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

# Cover Page

**Order ID :** Q2489

**Project ID :** Construction of Shafts 17B-18B - PN 220084

**Client :** Walsh Construction Company II, LLC

| Lab Sample Number | Client Sample Number |
|---|---|
| Q2489-01 | G4(0-6) |
| Q2489-02 | G4(6-12) |
| Q2489-03 | G3(0-6) |
| Q2489-04 | G3(6-12) |
| Q2489-05 | G2(0-6) |
| Q2489-06 | G2(6-12) |
| Q2489-07 | G1(0-6) |
| Q2489-08 | G1(6-12) |

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

Signature : _____

Date: 7/14/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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 |

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**APPENDIX A**

**QA REVIEW GENERAL DOCUMENTATION**

**Project #:** **Q2489**

| | 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:** **PRADIP PRAJAPATI** **Date:** **07/14/2025**

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q2489 | **OrderDate:** | 7/2/2025 11:52:00 AM |
| **Client:** | Walsh Construction Company II, LLC | **Project:** | Construction of Shafts 17B-18B - PN 220084 |
| **Contact:** | Jesse A. Sylvestri | **Location:** | --Select-- |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q2489-01** | **G4(0-6)** | **TCLP** | | | **07/01/25** | | | **07/01/25** |
| | | | TCLP BNA | 8270E | | 07/07/25 | 07/08/25 | |
| **Q2489-02** | **G4(6-12)** | **TCLP** | | | **07/01/25** | | | **07/01/25** |
| | | | TCLP BNA | 8270E | | 07/07/25 | 07/08/25 | |
| **Q2489-03** | **G3(0-6)** | **TCLP** | | | **07/01/25** | | | **07/01/25** |
| | | | TCLP BNA | 8270E | | 07/07/25 | 07/09/25 | |
| **Q2489-04** | **G3(6-12)** | **TCLP** | | | **07/01/25** | | | **07/01/25** |
| | | | TCLP BNA | 8270E | | 07/07/25 | 07/09/25 | |
| **Q2489-05** | **G2(0-6)** | **TCLP** | | | **07/01/25** | | | **07/01/25** |
| | | | TCLP BNA | 8270E | | 07/07/25 | 07/09/25 | |
| **Q2489-06** | **G2(6-12)** | **TCLP** | | | **07/01/25** | | | **07/01/25** |
| | | | TCLP BNA | 8270E | | 07/07/25 | 07/09/25 | |
| **Q2489-07** | **G1(0-6)** | **TCLP** | | | **07/01/25** | | | **07/01/25** |
| | | | TCLP BNA | 8270E | | 07/07/25 | 07/09/25 | |
| **Q2489-08** | **G1(6-12)** | **TCLP** | | | **07/01/25** | | | **07/01/25** |
| | | | TCLP BNA | 8270E | | 07/07/25 | 07/09/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q2489

**Client:** Walsh Construction Company II, LLC

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | 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.:** Q2489

**Client:** Walsh Construction Company II, LLC

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| PB168728TB | PB168728TB | 2-Fluorophenol | 150 | 154 | 103 | | 23 | 138 |
| | | Phenol-d6 | 150 | 150 | 100 | | 10 | 134 |
| | | Nitrobenzene-d5 | 100 | 93.1 | 93 | | 67 | 132 |
| | | 2-Fluorobiphenyl | 100 | 92.2 | 92 | | 52 | 132 |
| | | 2,4,6-Tribromophenol | 150 | 152 | 101 | | 44 | 137 |
| | | Terphenyl-d14 | 100 | 112 | 112 | | 42 | 152 |
| PB168750BL | PB168750BL | 2-Fluorophenol | 150 | 125 | 84 | | 23 | 138 |
| | | Phenol-d6 | 150 | 126 | 84 | | 10 | 134 |
| | | Nitrobenzene-d5 | 100 | 79.2 | 79 | | 67 | 132 |
| | | 2-Fluorobiphenyl | 100 | 78.7 | 79 | | 52 | 132 |
| | | 2,4,6-Tribromophenol | 150 | 129 | 86 | | 44 | 137 |
| | | Terphenyl-d14 | 100 | 86.3 | 86 | | 42 | 152 |
| PB168750BS | PB168750BS | 2-Fluorophenol | 150 | 125 | 83 | | 23 | 138 |
| | | Phenol-d6 | 150 | 126 | 84 | | 10 | 134 |
| | | Nitrobenzene-d5 | 100 | 78.9 | 79 | | 67 | 132 |
| | | 2-Fluorobiphenyl | 100 | 80.7 | 81 | | 52 | 132 |
| | | 2,4,6-Tribromophenol | 150 | 135 | 90 | | 44 | 137 |
| | | Terphenyl-d14 | 100 | 86.3 | 86 | | 42 | 152 |
| Q2478-04MS | WC-1MS | 2-Fluorophenol | 150 | 113 | 75 | | 23 | 138 |
| | | Phenol-d6 | 150 | 107 | 71 | | 10 | 134 |
| | | Nitrobenzene-d5 | 100 | 78.0 | 78 | | 67 | 132 |
| | | 2-Fluorobiphenyl | 100 | 80.3 | 80 | | 52 | 132 |
| | | 2,4,6-Tribromophenol | 150 | 115 | 77 | | 44 | 137 |
| | | Terphenyl-d14 | 100 | 63.2 | 63 | | 42 | 152 |
| Q2478-04MSD | WC-1MSD | 2-Fluorophenol | 150 | 111 | 74 | | 23 | 138 |
| | | Phenol-d6 | 150 | 105 | 70 | | 10 | 134 |
| | | Nitrobenzene-d5 | 100 | 76.9 | 77 | | 67 | 132 |
| | | 2-Fluorobiphenyl | 100 | 79.0 | 79 | | 52 | 132 |
| | | 2,4,6-Tribromophenol | 150 | 120 | 80 | | 44 | 137 |
| | | Terphenyl-d14 | 100 | 66.4 | 66 | | 42 | 152 |
| Q2489-01 | G4(0-6) | 2-Fluorophenol | 150 | 111 | 74 | | 23 | 138 |
| | | Phenol-d6 | 150 | 97.4 | 65 | | 10 | 134 |
| | | Nitrobenzene-d5 | 100 | 87.5 | 87 | | 67 | 132 |
| | | 2-Fluorobiphenyl | 100 | 88.2 | 88 | | 52 | 132 |
| | | 2,4,6-Tribromophenol | 150 | 131 | 87 | | 44 | 137 |
| | | Terphenyl-d14 | 100 | 66.2 | 66 | | 42 | 152 |
| Q2489-02 | G4(6-12) | 2-Fluorophenol | 150 | 118 | 79 | | 23 | 138 |
| | | Phenol-d6 | 150 | 103 | 68 | | 10 | 134 |
| | | Nitrobenzene-d5 | 100 | 82.5 | 82 | | 67 | 132 |
| | | 2-Fluorobiphenyl | 100 | 85.6 | 86 | | 52 | 132 |
| | | 2,4,6-Tribromophenol | 150 | 121 | 81 | | 44 | 137 |
| | | Terphenyl-d14 | 100 | 60.6 | 61 | | 42 | 152 |
| Q2489-03 | G3(0-6) | 2-Fluorophenol | 150 | 117 | 78 | | 23 | 138 |
| | | Phenol-d6 | 150 | 104 | 69 | | 10 | 134 |
| | | Nitrobenzene-d5 | 100 | 82.1 | 82 | | 67 | 132 |
| | | 2-Fluorobiphenyl | 100 | 80.2 | 80 | | 52 | 132 |
| | | 2,4,6-Tribromophenol | 150 | 126 | 84 | | 44 | 137 |
| | | Terphenyl-d14 | 100 | 78.3 | 78 | | 42 | 152 |
| Q2489-04 | G3(6-12) | 2-Fluorophenol | 150 | 117 | 78 | | 23 | 138 |
| | | Phenol-d6 | 150 | 103 | 69 | | 10 | 134 |
| | | Nitrobenzene-d5 | 100 | 85.6 | 86 | | 67 | 132 |

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# Surrogate Summary

**SW-846**

**SDG No.:** Q2489

**Client:** Walsh Construction Company II, LLC

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| Q2489-04 | G3(6-12) | 2-Fluorobiphenyl | 100 | 83.8 | 84 | | 52 | 132 |
| | | 2,4,6-Tribromophenol | 150 | 138 | 92 | | 44 | 137 |
| | | Terphenyl-d14 | 100 | 81.6 | 82 | | 42 | 152 |
| Q2489-05 | G2(0-6) | 2-Fluorophenol | 150 | 117 | 78 | | 23 | 138 |
| | | Phenol-d6 | 150 | 102 | 68 | | 10 | 134 |
| | | Nitrobenzene-d5 | 100 | 84.4 | 84 | | 67 | 132 |
| | | 2-Fluorobiphenyl | 100 | 81.0 | 81 | | 52 | 132 |
| | | 2,4,6-Tribromophenol | 150 | 134 | 89 | | 44 | 137 |
| | | Terphenyl-d14 | 100 | 81.0 | 81 | | 42 | 152 |
| Q2489-06 | G2(6-12) | 2-Fluorophenol | 150 | 118 | 79 | | 23 | 138 |
| | | Phenol-d6 | 150 | 102 | 68 | | 10 | 134 |
| | | Nitrobenzene-d5 | 100 | 86.3 | 86 | | 67 | 132 |
| | | 2-Fluorobiphenyl | 100 | 85.5 | 86 | | 52 | 132 |
| | | 2,4,6-Tribromophenol | 150 | 138 | 92 | | 44 | 137 |
| | | Terphenyl-d14 | 100 | 78.7 | 79 | | 42 | 152 |
| Q2489-07 | G1(0-6) | 2-Fluorophenol | 150 | 123 | 82 | | 23 | 138 |
| | | Phenol-d6 | 150 | 107 | 72 | | 10 | 134 |
| | | Nitrobenzene-d5 | 100 | 85.4 | 85 | | 67 | 132 |
| | | 2-Fluorobiphenyl | 100 | 83.9 | 84 | | 52 | 132 |
| | | 2,4,6-Tribromophenol | 150 | 137 | 91 | | 44 | 137 |
| | | Terphenyl-d14 | 100 | 83.3 | 83 | | 42 | 152 |
| Q2489-08 | G1(6-12) | 2-Fluorophenol | 150 | 121 | 81 | | 23 | 138 |
| | | Phenol-d6 | 150 | 108 | 72 | | 10 | 134 |
| | | Nitrobenzene-d5 | 100 | 83.9 | 84 | | 67 | 132 |
| | | 2-Fluorobiphenyl | 100 | 84.2 | 84 | | 52 | 132 |
| | | 2,4,6-Tribromophenol | 150 | 131 | 87 | | 44 | 137 |
| | | Terphenyl-d14 | 100 | 83.0 | 83 | | 42 | 152 |

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**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q2489 **Analytical Method:** SW8270E

**Client:** Walsh Construction Company II, LLC **DataFile:** BF143013.D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: Q2478-04MS** | | **Client Sample ID: WC-1MS** | | | | | | | | | |
| Pyridine | 500 | 0 | 340 | ug/L | 68 | | | | 10 | 109 | |
| 1,4-Dichlorobenzene | 500 | 0 | 380 | ug/L | 76 | | | | 55 | 125 | |
| 2-Methylphenol | 500 | 0 | 400 | ug/L | 80 | | | | 60 | 131 | |
| 3+4-Methylphenols | 500 | 0 | 420 | ug/L | 84 | | | | 54 | 136 | |
| Hexachloroethane | 500 | 0 | 380 | ug/L | 76 | | | | 19 | 146 | |
| Nitrobenzene | 500 | 0 | 430 | ug/L | 86 | | | | 62 | 112 | |
| Hexachlorobutadiene | 500 | 0 | 410 | ug/L | 82 | | | | 52 | 125 | |
| 2,4,6-Trichlorophenol | 500 | 0 | 430 | ug/L | 86 | | | | 78 | 112 | |
| 2,4,5-Trichlorophenol | 500 | 0 | 430 | ug/L | 86 | | | | 71 | 111 | |
| 2,4-Dinitrotoluene | 500 | 0 | 440 | ug/L | 88 | | | | 74 | 137 | |
| Hexachlorobenzene | 500 | 0 | 450 | ug/L | 90 | | | | 72 | 115 | |
| Pentachlorophenol | 1000 | 0 | 750 | ug/L | 75 | | | | 52 | 162 | |

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**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q2489 **Analytical Method:** SW8270E

**Client:** Walsh Construction Company II, LLC **DataFile:** BF143014.D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: Q2478-04MSD** | | **Client Sample ID: WC-1MSD** | | | | | | | | | |
| Pyridine | 500 | 0 | 340 | ug/L | 68 | | 0 | | 10 | 109 | 20 |
| 1,4-Dichlorobenzene | 500 | 0 | 380 | ug/L | 76 | | 0 | | 55 | 125 | 20 |
| 2-Methylphenol | 500 | 0 | 400 | ug/L | 80 | | 0 | | 60 | 131 | 20 |
| 3+4-Methylphenols | 500 | 0 | 410 | ug/L | 82 | | 2 | | 54 | 136 | 20 |
| Hexachloroethane | 500 | 0 | 380 | ug/L | 76 | | 0 | | 19 | 146 | 20 |
| Nitrobenzene | 500 | 0 | 410 | ug/L | 82 | | 5 | | 62 | 112 | 20 |
| Hexachlorobutadiene | 500 | 0 | 410 | ug/L | 82 | | 0 | | 52 | 125 | 20 |
| 2,4,6-Trichlorophenol | 500 | 0 | 430 | ug/L | 86 | | 0 | | 78 | 112 | 20 |
| 2,4,5-Trichlorophenol | 500 | 0 | 420 | ug/L | 84 | | 2 | | 71 | 111 | 20 |
| 2,4-Dinitrotoluene | 500 | 0 | 440 | ug/L | 88 | | 0 | | 74 | 137 | 20 |
| Hexachlorobenzene | 500 | 0 | 460 | ug/L | 92 | | 2 | | 72 | 115 | 20 |
| Pentachlorophenol | 1000 | 0 | 770 | ug/L | 77 | | 3 | | 52 | 162 | 20 |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2489 **Analytical Method:** 8270E

**Client:** Walsh Construction Company II, LLC **DataFile:** BF143052.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB168750BS | Pyridine | 50 | 38.4 | ug/L | 77 | | | | 29 | 97 | |
| | 1,4-Dichlorobenzene | 50 | 43.6 | ug/L | 87 | | | | 76 | 103 | |
| | 2-Methylphenol | 50 | 45.1 | ug/L | 90 | | | | 69 | 109 | |
| | 3+4-Methylphenols | 50 | 46.0 | ug/L | 92 | | | | 67 | 106 | |
| | Hexachloroethane | 50 | 43.2 | ug/L | 86 | | | | 76 | 118 | |
| | Nitrobenzene | 50 | 43.4 | ug/L | 87 | | | | 58 | 106 | |
| | Hexachlorobutadiene | 50 | 44.4 | ug/L | 89 | | | | 69 | 101 | |
| | 2,4,6-Trichlorophenol | 50 | 42.2 | ug/L | 84 | | | | 61 | 110 | |
| | 2,4,5-Trichlorophenol | 50 | 44.0 | ug/L | 88 | | | | 70 | 106 | |
| | 2,4-Dinitrotoluene | 50 | 47.5 | ug/L | 95 | | | | 60 | 115 | |
| | Hexachlorobenzene | 50 | 47.4 | ug/L | 95 | | | | 73 | 106 | |
| | Pentachlorophenol | 100 | 77.0 | ug/L | 77 | | | | 47 | 114 | |

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB168750BL

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q2489

Lab File ID: BF143051.D

Lab Sample ID: PB168750BL

Instrument ID: BNA_F

Date Extracted: 07/07/2025

Matrix: (soil/water) water

Date Analyzed: 07/09/2025

Level: (low/med) LOW

Time Analyzed: 12:24

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| PB168750BS | PB168750BS | BF143052.D | 07/09/2025 |
| G2(6-12) | Q2489-06 | BF143053.D | 07/09/2025 |
| G1(0-6) | Q2489-07 | BF143054.D | 07/09/2025 |
| G1(6-12) | Q2489-08 | BF143055.D | 07/09/2025 |
| G3(0-6) | Q2489-03 | BF143056.D | 07/09/2025 |
| G3(6-12) | Q2489-04 | BF143057.D | 07/09/2025 |
| G2(0-6) | Q2489-05 | BF143058.D | 07/09/2025 |
| PB168728TB | PB168728TB | BM050436.D | 07/14/2025 |
| WC-1MS | Q2478-04MS | BF143013.D | 07/07/2025 |
| WC-1MSD | Q2478-04MSD | BF143014.D | 07/07/2025 |
| G4(0-6) | Q2489-01 | BF143039.D | 07/08/2025 |
| G4(6-12) | Q2489-02 | BF143040.D | 07/08/2025 |

COMMENTS:

Alliance TECHNICAL GROUP
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: WALS01

Lab Code: ACE | SDG NO.: Q2489

Lab File ID: BF142787.D | DFTPP Injection Date: 06/19/2025

Instrument ID: BNA_F | DFTPP Injection Time: 16:37

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 33.9 |
| 68 | Less than 2.0% of mass 69 | 0.6 ( 1.8 ) 1 |
| 69 | Mass 69 relative abundance | 30.9 |
| 70 | Less than 2.0% of mass 69 | 0.1 ( 0.5 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 41.6 |
| 197 | Less than 2.0% of mass 198 | 0.0 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 5.8 |
| 275 | 10.0 - 60.0% of mass 198 | 24.9 |
| 365 | Greater than 1% of mass 198 | 3.3 |
| 441 | Present, but less than mass 443 | 15 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 19.1 (19.1) 2 |

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

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDICC2.5 | SSTDICC2.5 | BF142788.D | 06/19/2025 | 17:07 |
| SSTDICC005 | SSTDICC005 | BF142789.D | 06/19/2025 | 17:38 |
| SSTDICC010 | SSTDICC010 | BF142790.D | 06/19/2025 | 18:08 |
| SSTDICC020 | SSTDICC020 | BF142791.D | 06/19/2025 | 18:39 |
| SSTDICCC040 | SSTDICCC040 | BF142792.D | 06/19/2025 | 19:09 |
| SSTDICC050 | SSTDICC050 | BF142793.D | 06/19/2025 | 19:40 |
| SSTDICC060 | SSTDICC060 | BF142794.D | 06/19/2025 | 20:10 |
| SSTDICC080 | SSTDICC080 | BF142795.D | 06/19/2025 | 20:40 |

Raw Data: **BF143002.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: WALS01

Lab Code: ACE | SDG NO.: Q2489

Lab File ID: BF143002.D | DFTPP Injection Date: 07/07/2025

Instrument ID: BNA_F | DFTPP Injection Time: 11:12

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 32.2 |
| 68 | Less than 2.0% of mass 69 | 0.0 ( 0.0 ) 1 |
| 69 | Mass 69 relative abundance | 29.4 |
| 70 | Less than 2.0% of mass 69 | 0.0 ( 0.0 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 42.4 |
| 197 | Less than 2.0% of mass 198 | 0.0 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6 |
| 275 | 10.0 - 60.0% of mass 198 | 25.1 |
| 365 | Greater than 1% of mass 198 | 3.4 |
| 441 | Present, but less than mass 443 | 15.5 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 19 ( 19 ) 2 |

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

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BF143003.D | 07/07/2025 | 12:12 |
| WC-1MS | Q2478-04MS | BF143013.D | 07/07/2025 | 17:19 |
| WC-1MSD | Q2478-04MSD | BF143014.D | 07/07/2025 | 17:50 |

Raw Data: **BF143024.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: WALS01

Lab Code: ACE | SDG NO.: Q2489

Lab File ID: BF143024.D | DFTPP Injection Date: 07/08/2025

Instrument ID: BNA_F | DFTPP Injection Time: 10:24

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 34.6 |
| 68 | Less than 2.0% of mass 69 | 0.6 ( 2 ) 1 |
| 69 | Mass 69 relative abundance | 32.1 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.5 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 44.5 |
| 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 |
| 275 | 10.0 - 60.0% of mass 198 | 25.6 |
| 365 | Greater than 1% of mass 198 | 3.3 |
| 441 | Present, but less than mass 443 | 15.7 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 18.8 (18.8) 2 |

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

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BF143025.D | 07/08/2025 | 10:54 |
| G4(0-6) | Q2489-01 | BF143039.D | 07/08/2025 | 18:08 |
| G4(6-12) | Q2489-02 | BF143040.D | 07/08/2025 | 18:39 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: WALS01

Lab Code: ACE | SDG NO.: Q2489

Lab File ID: BF143047.D | DFTPP Injection Date: 07/09/2025

Instrument ID: BNA_F | DFTPP Injection Time: 10:22

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 33.7 |
| 68 | Less than 2.0% of mass 69 | 0.6 ( 1.9 ) 1 |
| 69 | Mass 69 relative abundance | 30.9 |
| 70 | Less than 2.0% of mass 69 | 0.0 ( 0.0 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 43.5 |
| 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 | 5.8 |
| 275 | 10.0 - 60.0% of mass 198 | 26 |
| 365 | Greater than 1% of mass 198 | 3.3 |
| 441 | Present, but less than mass 443 | 15.1 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 19.2 (19.2) 2 |

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

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BF143048.D | 07/09/2025 | 10:52 |
| PB168750BL | PB168750BL | BF143051.D | 07/09/2025 | 12:24 |
| PB168750BS | PB168750BS | BF143052.D | 07/09/2025 | 12:54 |
| G2(6-12) | Q2489-06 | BF143053.D | 07/09/2025 | 13:27 |
| G1(0-6) | Q2489-07 | BF143054.D | 07/09/2025 | 13:57 |
| G1(6-12) | Q2489-08 | BF143055.D | 07/09/2025 | 14:28 |
| G3(0-6) | Q2489-03 | BF143056.D | 07/09/2025 | 14:58 |
| G3(6-12) | Q2489-04 | BF143057.D | 07/09/2025 | 15:28 |
| G2(0-6) | Q2489-05 | BF143058.D | 07/09/2025 | 15:59 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Contract: WALS01
Lab Code: ACE
SDG NO.: Q2489
Lab File ID: BM050376.D
DFTPP Injection Date: 07/08/2025
Instrument ID: BNA_M
DFTPP Injection Time: 11:59

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 35.7 |
| 68 | Less than 2.0% of mass 69 | 0.5 ( 1.5 ) 1 |
| 69 | Mass 69 relative abundance | 33.9 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.5 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 43 |
| 197 | Less than 2.0% of mass 198 | 0.3 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.7 |
| 275 | 10.0 - 60.0% of mass 198 | 24.7 |
| 365 | Greater than 1% of mass 198 | 3.4 |
| 441 | Present, but less than mass 443 | 10.5 |
| 442 | Greater than 50% of mass 198 | 66.5 |
| 443 | 15.0 - 24.0% of mass 442 | 12.9 (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:

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDICC2.5 | SSTDICC2.5 | BM050377.D | 07/08/2025 | 12:39 |
| SSTDICC005 | SSTDICC005 | BM050378.D | 07/08/2025 | 13:19 |
| SSTDICC010 | SSTDICC010 | BM050379.D | 07/08/2025 | 14:00 |
| SSTDICC020 | SSTDICC020 | BM050380.D | 07/08/2025 | 14:40 |
| SSTDICCC040 | SSTDICCC040 | BM050381.D | 07/08/2025 | 15:20 |
| SSTDICC050 | SSTDICC050 | BM050382.D | 07/08/2025 | 16:01 |
| SSTDICC060 | SSTDICC060 | BM050383.D | 07/08/2025 | 16:41 |
| SSTDICC080 | SSTDICC080 | BM050384.D | 07/08/2025 | 17:22 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Contract: WALS01
Lab Code: ACE
SDG NO.: Q2489
Lab File ID: BM050428.D
DFTPP Injection Date: 07/14/2025
Instrument ID: BNA_M
DFTPP Injection Time: 16:13

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 34.7 |
| 68 | Less than 2.0% of mass 69 | 0.6 ( 1.7 ) 1 |
| 69 | Mass 69 relative abundance | 33.3 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.5 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 42.4 |
| 197 | Less than 2.0% of mass 198 | 0.4 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.8 |
| 275 | 10.0 - 60.0% of mass 198 | 25.4 |
| 365 | Greater than 1% of mass 198 | 3.6 |
| 441 | Present, but less than mass 443 | 11.7 |
| 442 | Greater than 50% of mass 198 | 73.6 |
| 443 | 15.0 - 24.0% of mass 442 | 14.1 (19.1) 2 |

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

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BM050429.D | 07/14/2025 | 16:53 |
| PB168728TB | PB168728TB | BM050436.D | 07/14/2025 | 21:34 |

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2489

Client ID : SSTDCCC040 Date Analyzed: 07/07/2025

Lab File ID: BF143003.D Time Analyzed: 12:12

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 | 66299 | 6.875 | 250576 | 8.16 | 128386 | 9.92 |
| | UPPER LIMIT | 132598 | 7.375 | 501152 | 8.663 | 256772 | 10.422 |
| | LOWER LIMIT | 33149.5 | 6.375 | 125288 | 7.663 | 64193 | 9.422 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | WC-1MS | 66708 | 6.88 | 246241 | 8.16 | 120592 | 9.92 |
| 02 | WC-1MSD | 66005 | 6.88 | 248256 | 8.16 | 125034 | 9.92 |

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2489

Client ID: SSTDCCC040

Date Analyzed: 07/07/2025

Lab File ID: BF143003.D

Time Analyzed: 12:12

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 | 196682 | 11.41 | 115356 | 14.057 | 146144 | 15.551 |
| | UPPER LIMIT | 393364 | 11.91 | 230712 | 14.557 | 292288 | 16.051 |
| | LOWER LIMIT | 98341 | 10.91 | 57678 | 13.557 | 73072 | 15.051 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | WC-1MS | 169949 | 11.41 | 131277 | 14.06 | 127587 | 15.55 |
| 02 | WC-1MSD | 185988 | 11.40 | 133052 | 14.06 | 132424 | 15.55 |

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2489

Client ID : SSTDCCC040 Date Analyzed: 07/08/2025

Lab File ID: BF143025.D Time Analyzed: 10:54

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 | 66813 | 6.875 | 257725 | 8.16 | 136330 | 9.92 |
| | UPPER LIMIT | 133626 | 7.375 | 515450 | 8.663 | 272660 | 10.422 |
| | LOWER LIMIT | 33406.5 | 6.375 | 128863 | 7.663 | 68165 | 9.422 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | G4(6-12) | 52138 | 6.88 | 196486 | 8.16 | 94511 | 9.92 |
| 02 | G4(0-6) | 50855 | 6.88 | 188920 | 8.16 | 94572 | 9.92 |

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2489

Client ID: SSTDCCC040 Date Analyzed: 07/08/2025

Lab File ID: BF143025.D Time Analyzed: 10:54

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 | 218169 | 11.41 | 109391 | 14.063 | 135350 | 15.557 |
| | UPPER LIMIT | 436338 | 11.91 | 218782 | 14.563 | 270700 | 16.057 |
| | LOWER LIMIT | 109085 | 10.91 | 54695.5 | 13.563 | 67675 | 15.057 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | G4(6-12) | 135249 | 11.40 | 102220 | 14.05 | 133953 | 15.55 |
| 02 | G4(0-6) | 143217 | 11.40 | 100635 | 14.05 | 123438 | 15.55 |

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2489

Client ID : SSTDCCC040 Date Analyzed: 07/09/2025

Lab File ID: BF143048.D Time Analyzed: 10:52

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 | 66592 | 6.875 | 257344 | 8.16 | 135062 | 9.92 |
| | UPPER LIMIT | 133184 | 7.375 | 514688 | 8.657 | 270124 | 10.416 |
| | LOWER LIMIT | 33296 | 6.375 | 128672 | 7.657 | 67531 | 9.416 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB168750BL | 58608 | 6.87 | 223429 | 8.16 | 120074 | 9.92 |
| 02 | PB168750BS | 56794 | 6.88 | 214539 | 8.16 | 112458 | 9.92 |
| 03 | G3(0-6) | 48079 | 6.87 | 180422 | 8.16 | 91584 | 9.91 |
| 04 | G2(6-12) | 47477 | 6.87 | 177768 | 8.16 | 89876 | 9.91 |
| 05 | G1(0-6) | 46737 | 6.87 | 178995 | 8.16 | 91494 | 9.91 |
| 06 | G1(6-12) | 45752 | 6.87 | 173750 | 8.16 | 87159 | 9.91 |
| 07 | G3(6-12) | 48610 | 6.87 | 183226 | 8.16 | 95918 | 9.91 |
| 08 | G2(0-6) | 48749 | 6.87 | 184584 | 8.16 | 97408 | 9.91 |

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2489

Client ID: SSTDCCC040 Date Analyzed: 07/09/2025

Lab File ID: BF143048.D Time Analyzed: 10:52

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 | 218580 | 11.41 | 110392 | 14.057 | 146270 | 15.545 |
| | UPPER LIMIT | 437160 | 11.91 | 220784 | 14.557 | 292540 | 16.045 |
| | LOWER LIMIT | 109290 | 10.91 | 55196 | 13.557 | 73135 | 15.045 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB168750BL | 209574 | 11.40 | 109296 | 14.05 | 119678 | 15.55 |
| 02 | PB168750BS | 186535 | 11.40 | 95347 | 14.06 | 120157 | 15.55 |
| 03 | G3(0-6) | 143380 | 11.40 | 82579 | 14.05 | 96581 | 15.55 |
| 04 | G2(6-12) | 143550 | 11.40 | 84373 | 14.05 | 99394 | 15.55 |
| 05 | G1(0-6) | 145846 | 11.40 | 81059 | 14.05 | 94524 | 15.55 |
| 06 | G1(6-12) | 140460 | 11.40 | 76491 | 14.05 | 90349 | 15.55 |
| 07 | G3(6-12) | 160874 | 11.40 | 93406 | 14.05 | 96312 | 15.55 |
| 08 | G2(0-6) | 160012 | 11.40 | 99422 | 14.05 | 100116 | 15.55 |

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2489

Client ID : SSTDCCC040 Date Analyzed: 07/14/2025

Lab File ID: BM050429.D Time Analyzed: 16:53

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

| | | IS1 (DCB) AREA # | RT # | IS2 (NPT) AREA # | RT # | IS3 (ANT) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 427187 | 7.863 | 1630120 | 10.66 | 1036890 | 14.49 |
| | UPPER LIMIT | 854374 | 8.363 | 3260240 | 11.157 | 2073780 | 14.986 |
| | LOWER LIMIT | 213594 | 7.363 | 815060 | 10.157 | 518445 | 13.986 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB168728TB | 354744 | 7.86 | 1265660 | 10.66 | 770422 | 14.49 |

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: Alliance

Lab Code: ACE SDG NO.: Q2489

Client ID: SSTDCCC040 Date Analyzed: 07/14/2025

Lab File ID: BM050429.D Time Analyzed: 16:53

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

| | | IS4 (PHN) AREA # | RT # | IS5 (CRY) AREA # | RT # | IS6 (PRY) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 1998800 | 17.221 | 2212240 | 21.445 | 2243970 | 24.474 |
| | UPPER LIMIT | 3997600 | 17.721 | 4424480 | 21.945 | 4487940 | 24.974 |
| | LOWER LIMIT | 999400 | 16.721 | 1106120 | 20.945 | 1121990 | 23.974 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB168728TB | 1489630 | 17.22 | 1465640 | 21.44 | 1553410 | 24.47 |

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

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

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

# SAMPLE DATA

Raw Data: **BM050436.D**

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/07/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/07/25 |
| Client Sample ID: | PB168728TB | SDG No.: | Q2489 |
| Lab Sample ID: | PB168728TB | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BM050436.D | 1 | 07/07/25 11:15 | 07/14/25 21:34 | PB168750 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 12.8 | U | 12.8 | 50.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 5.30 | U | 5.30 | 50.0 | ug/L |
| 95-48-7 | 2-Methylphenol | 11.2 | U | 11.2 | 50.0 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 11.0 | U | 11.0 | 100 | ug/L |
| 67-72-1 | Hexachloroethane | 6.50 | U | 6.50 | 50.0 | ug/L |
| 98-95-3 | Nitrobenzene | 7.60 | U | 7.60 | 50.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 5.40 | U | 5.40 | 50.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 5.10 | U | 5.10 | 50.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 6.20 | U | 6.20 | 50.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 12.2 | U | 12.2 | 50.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | 5.20 | U | 5.20 | 50.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 15.8 | U | 15.8 | 100 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 154 | | 23 - 138 | 103% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 150 | | 10 - 134 | 100% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 93.1 | | 67 - 132 | 93% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 92.2 | | 52 - 132 | 92% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 152 | | 44 - 137 | 101% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 112 | | 42 - 152 | 112% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 355000 | 7.863 | | | |
| 1146-65-2 | Naphthalene-d8 | 1270000 | 10.657 | | | |
| 15067-26-2 | Acenaphthene-d10 | 770000 | 14.486 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1490000 | 17.215 | | | |
| 1719-03-5 | Chrysene-d12 | 1470000 | 21.439 | | | |
| 1520-96-3 | Perylene-d12 | 1550000 | 24.468 | | | |

Raw Data: **BM050436.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/07/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/07/25 |
| Client Sample ID: | PB168728TB | SDG No.: | Q2489 |
| Lab Sample ID: | PB168728TB | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BM050436.D | 1 | 07/07/25 11:15 | 07/14/25 21:34 | PB168750 |

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

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

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

Sample Results: **BM050436.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
Data File : BM050436.D
Acq On : 14 Jul 2025 21:34
Operator : RC/JU
Sample : PB168728TB
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB168728TB

Quant Time: Jul 15 02:04:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.863 | 152 | 354744 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.657 | 136 | 1265655 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.486 | 164 | 770422 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.215 | 188 | 1489633 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 21.439 | 240 | 1465640 | 20.000 | ng | -0.02 |
| 86) Perylene-d12 | 24.468 | 264 | 1553412 | 20.000 | ng | -0.03 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.440 | 112 | 3173931 | 154.008 | ng | 0.00 |
| 7) Phenol-d6 | 7.022 | 99 | 3886308 | 149.590 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.016 | 82 | 2309636 | 93.101 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.968 | 330 | 1418630 | 151.552 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.116 | 172 | 5752719 | 92.212 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.833 | 244 | 9302062 | 111.669 | ng | -0.01 |

Target Compounds Qvalue

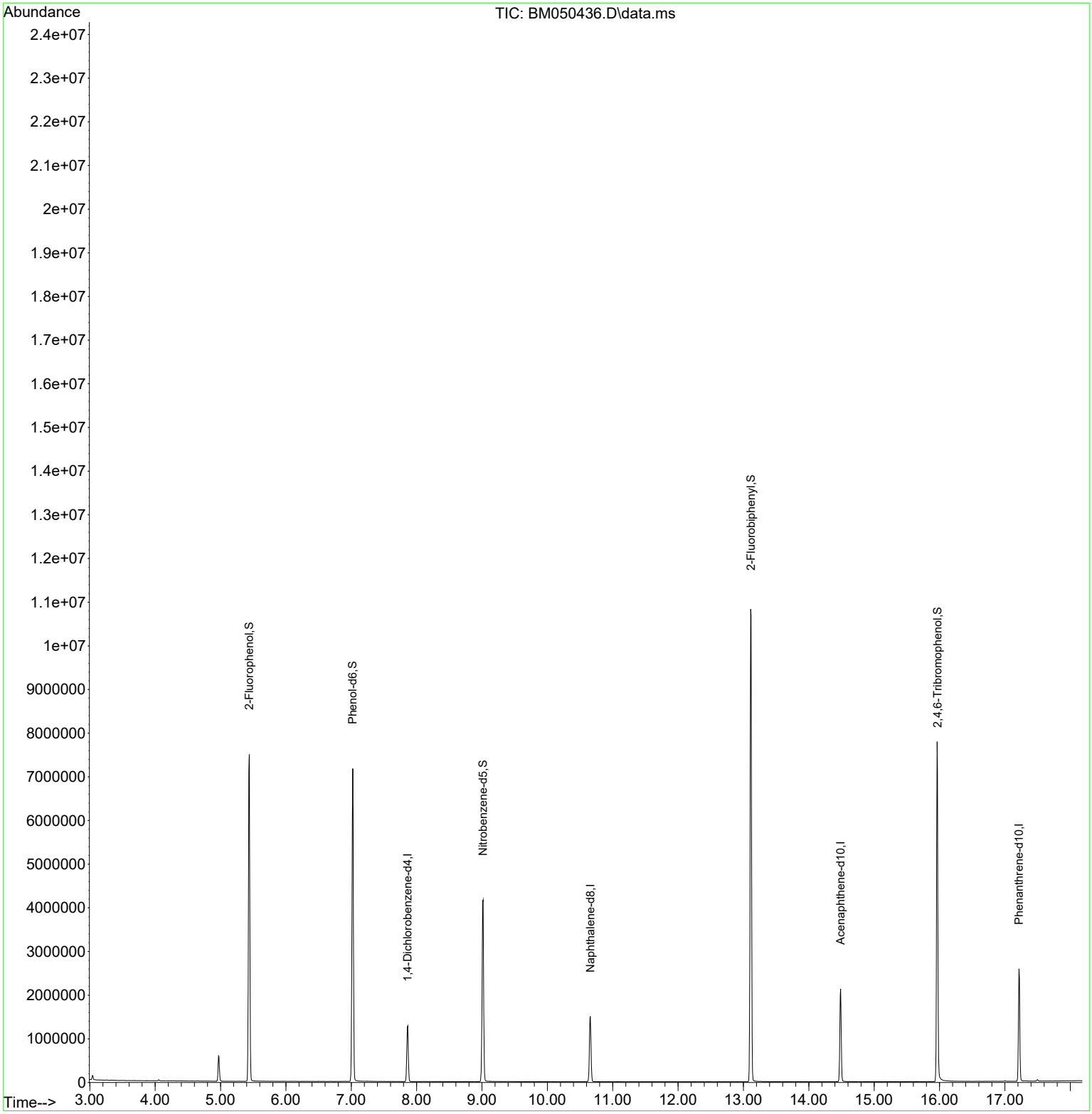
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **BM050436.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
Data File : BM050436.D
Acq On : 14 Jul 2025 21:34
Operator : RC/JU
Sample : PB168728TB
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB168728TB

Quant Time: Jul 15 02:04:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration



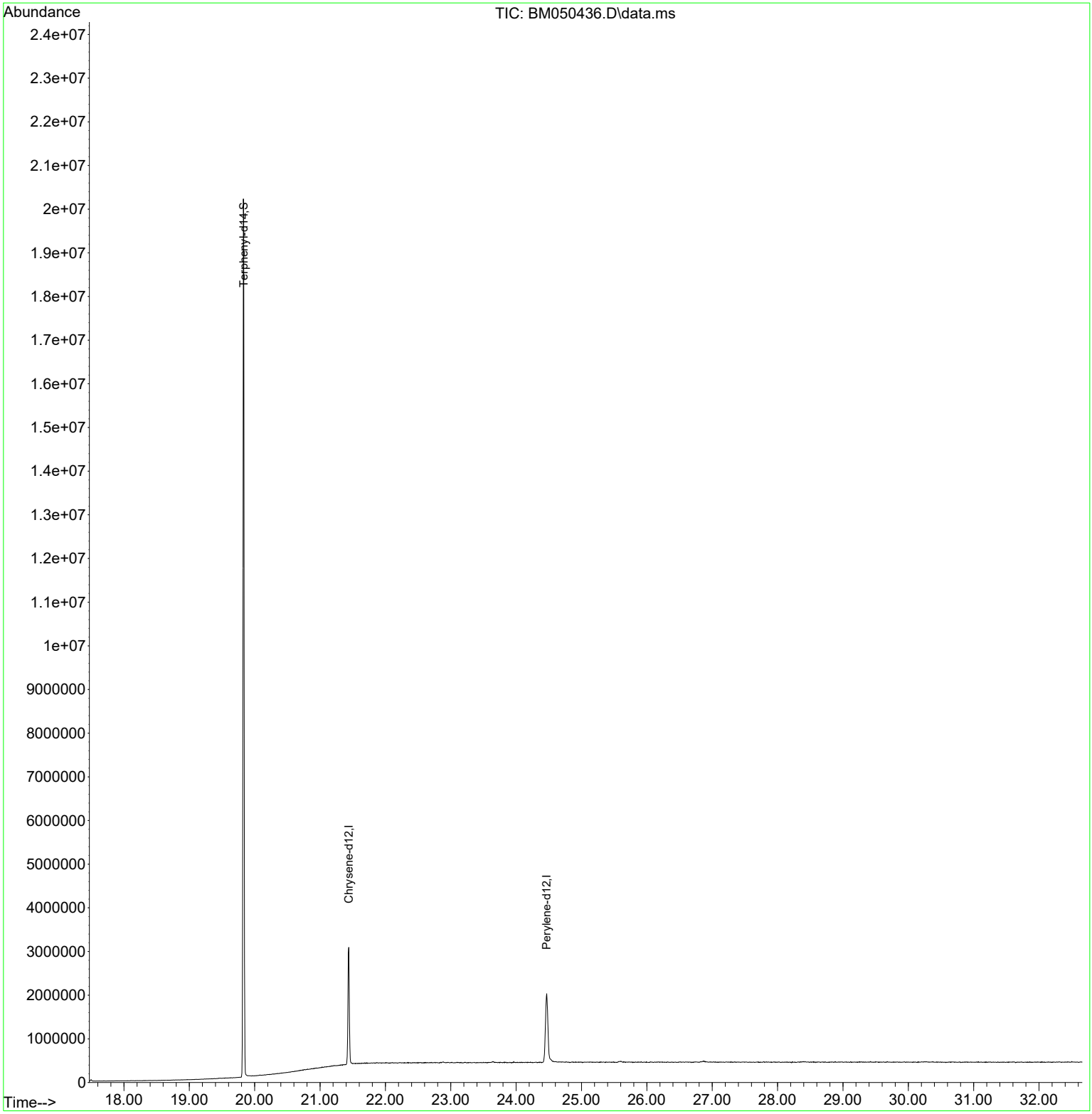
Quantitation Report (QT Reviewed)

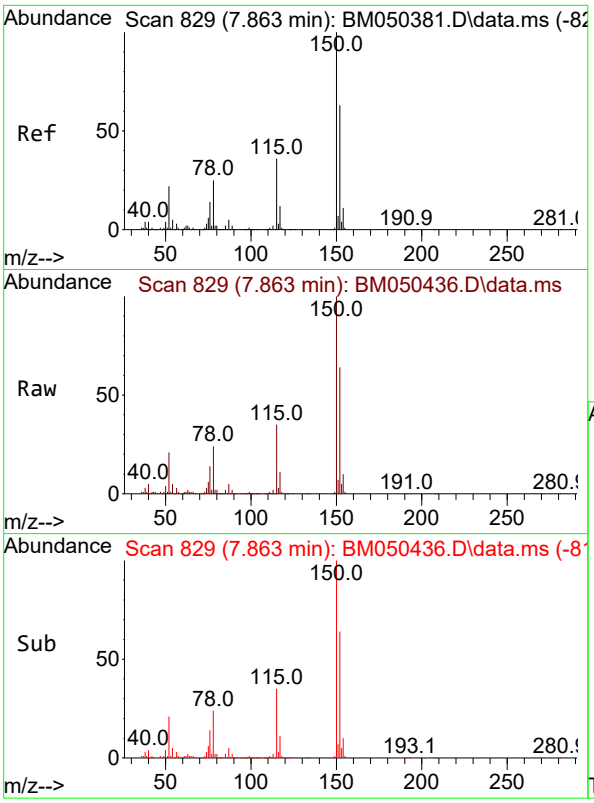
Sample Results: **BM050436.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
Data File : BM050436.D
Acq On : 14 Jul 2025 21:34
Operator : RC/JU
Sample : PB168728TB
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB168728TB

Quant Time: Jul 15 02:04:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration



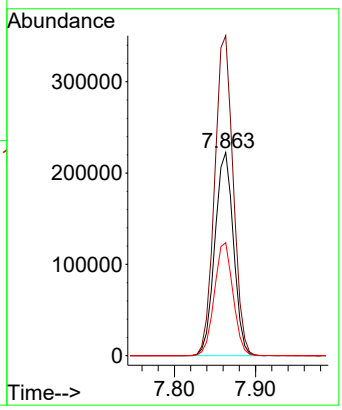


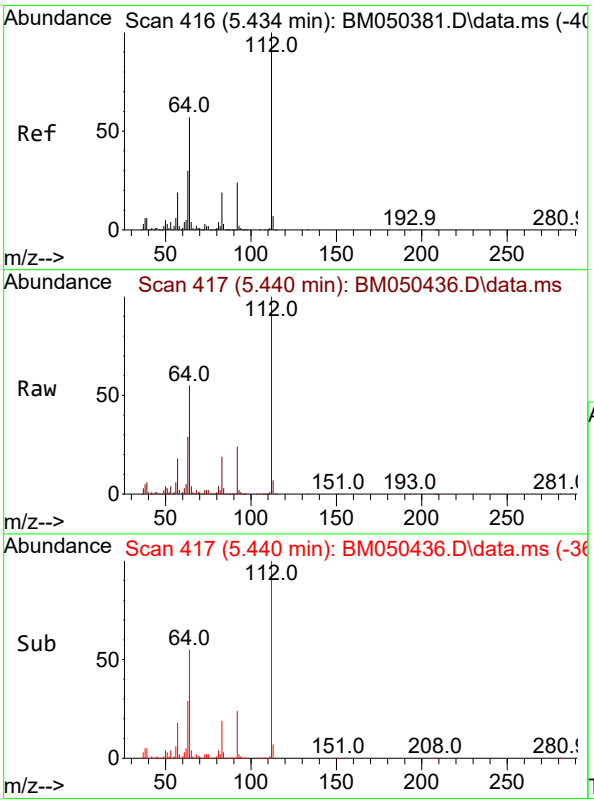

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050436.D
Acq: 14 Jul 2025 21:34

**Instrument :**
BNA_M
**ClientSampleId :**
PB168728TB

Tgt Ion:152 Resp: 354744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.4 | 126.2 | 189.4 |
| 115 | 55.6 | 45.8 | 68.8 |

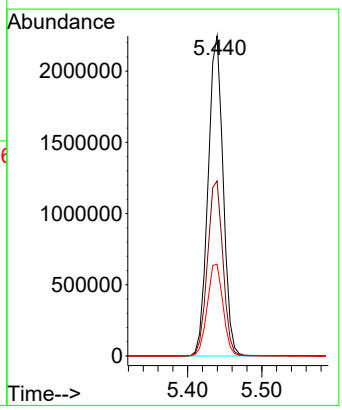


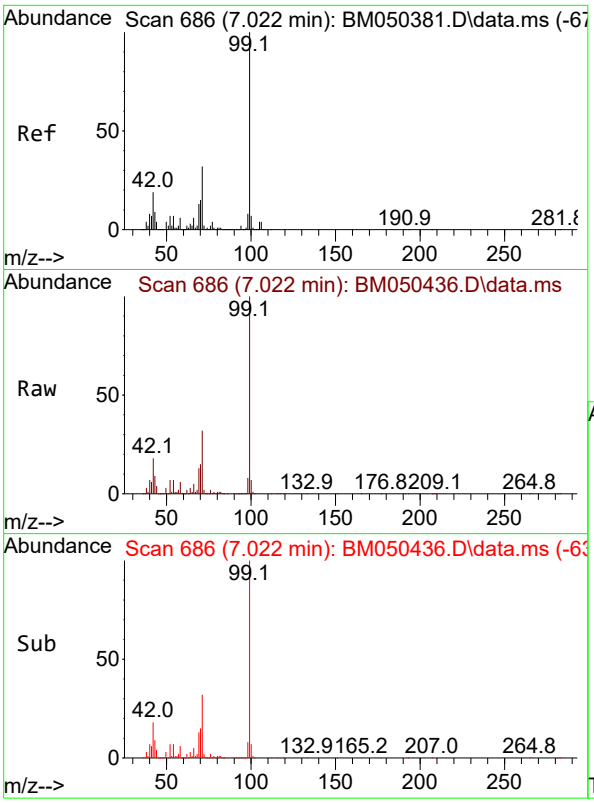




#5
2-Fluorophenol
Concen: 154.008 ng
RT: 5.440 min Scan# 417
Delta R.T. 0.006 min
Lab File: BM050436.D
Acq: 14 Jul 2025 21:34

Tgt Ion:112 Resp: 3173931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.7 | 45.5 | 68.3 |
| 63 | 28.7 | 24.2 | 36.4 |



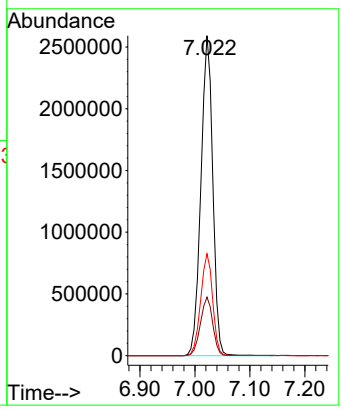


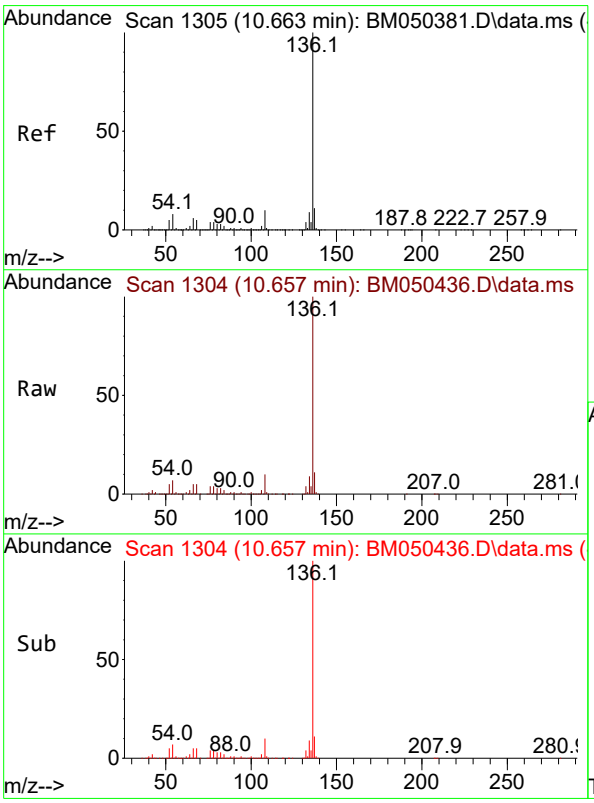

#7
Phenol-d6
Concen: 149.590 ng
RT: 7.022 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050436.D
Acq: 14 Jul 2025 21:34

**Instrument :**
BNA_M
**ClientSampleId :**
PB168728TB

Tgt Ion: 99 Resp: 3886308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.3 | 15.0 | 22.6 |
| 71 | 31.8 | 25.9 | 38.9 |

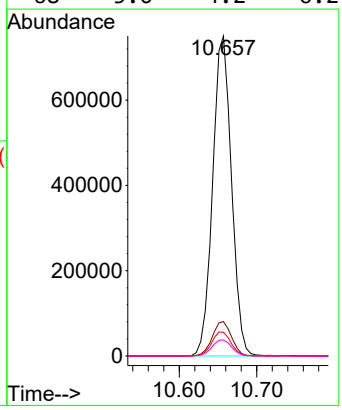


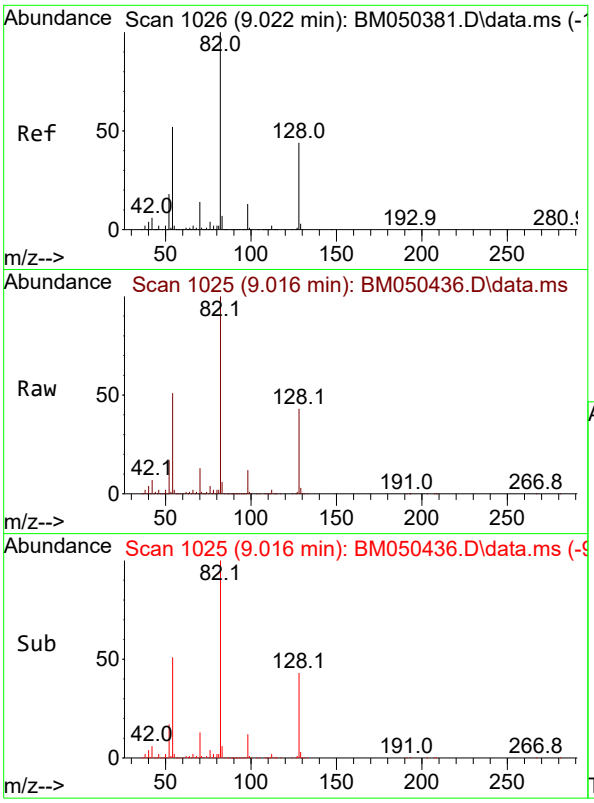




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050436.D
Acq: 14 Jul 2025 21:34

Tgt Ion:136 Resp: 1265655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.8 | 13.2 |
| 54 | 7.4 | 6.3 | 9.5 |
| 68 | 5.0 | 4.2 | 6.2 |



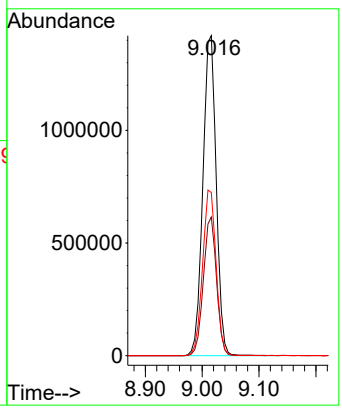


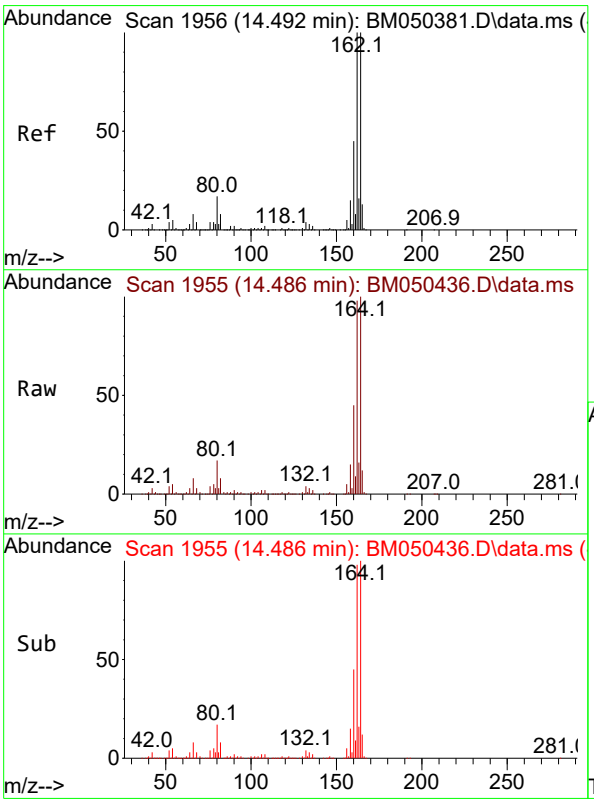

#23
Nitrobenzene-d5
Concen: 93.101 ng
RT: 9.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050436.D
Acq: 14 Jul 2025 21:34

**Instrument :**
BNA_M
**ClientSampleId :**
PB168728TB

Tgt Ion: 82 Resp: 2309636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.4 | 35.2 | 52.8 |
| 54 | 51.0 | 41.5 | 62.3 |

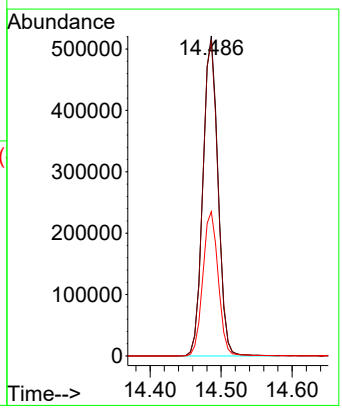


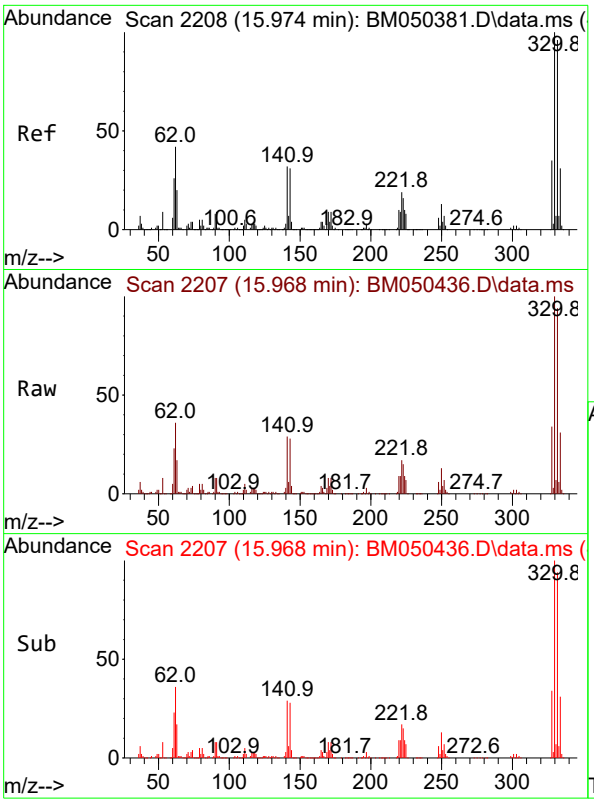




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BM050436.D
Acq: 14 Jul 2025 21:34

Tgt Ion:164 Resp: 770422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.4 | 79.9 | 119.9 |
| 160 | 45.1 | 36.2 | 54.4 |



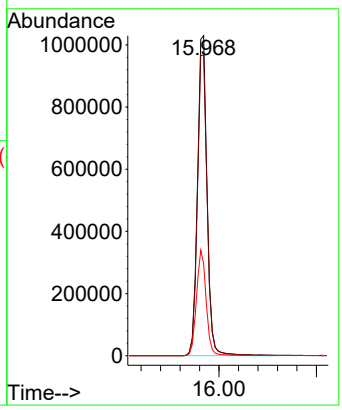


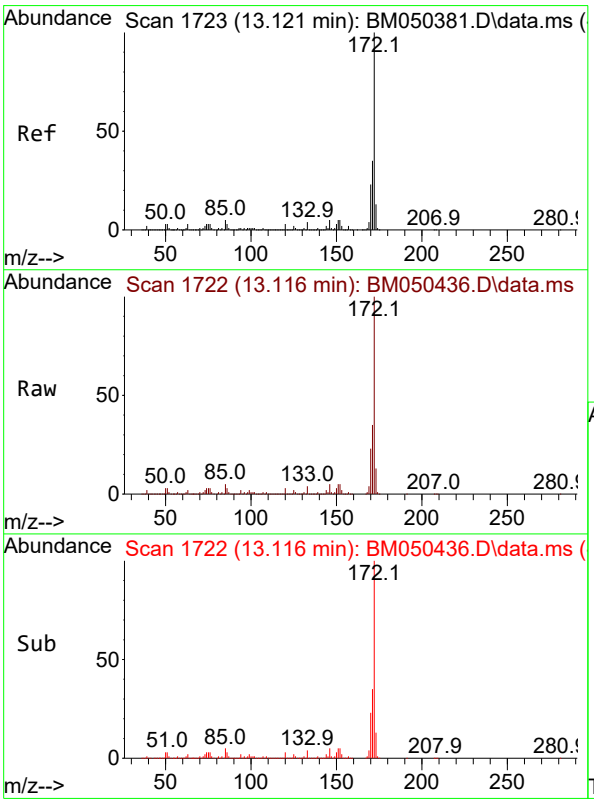

#42
2,4,6-Tribromophenol
Concen: 151.552 ng
RT: 15.968 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050436.D
Acq: 14 Jul 2025 21:34

**Instrument :**
BNA_M
**ClientSampleId :**
PB168728TB

Tgt Ion:330 Resp: 1418630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.0 | 76.9 | 115.3 |
| 141 | 33.3 | 27.4 | 41.0 |

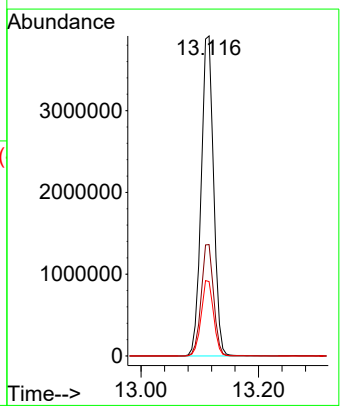


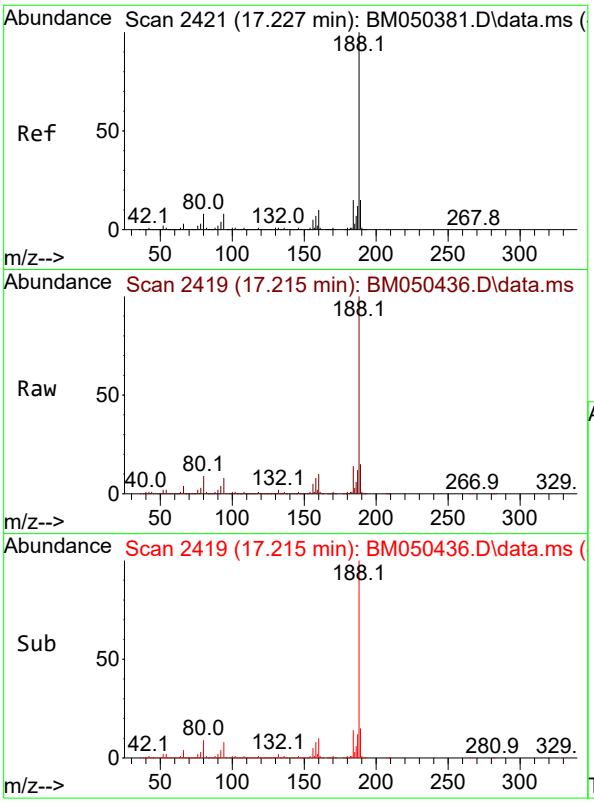




#45
2-Fluorobiphenyl
Concen: 92.212 ng
RT: 13.116 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BM050436.D
Acq: 14 Jul 2025 21:34

Tgt Ion:172 Resp: 5752719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 27.7 | 41.5 |
| 170 | 23.2 | 18.8 | 28.2 |



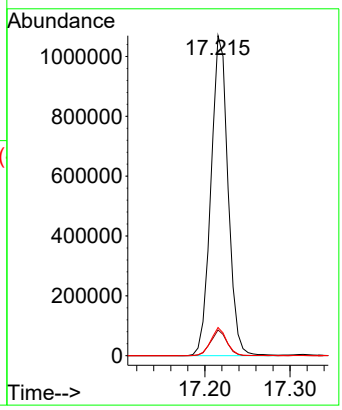


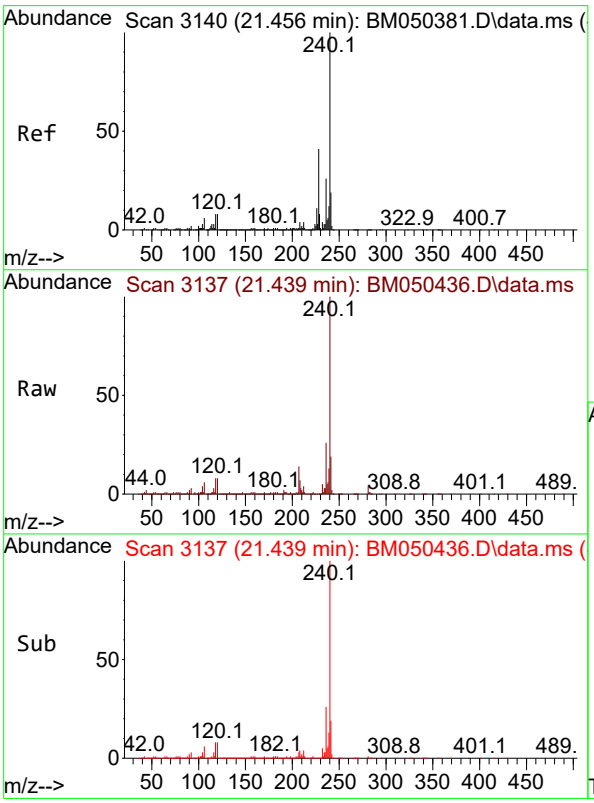

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050436.D
Acq: 14 Jul 2025 21:34

**Instrument :**
BNA_M
**ClientSampleId :**
PB168728TB

Tgt Ion:188 Resp: 1489633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.0 | 6.0 | 9.0 |
| 80 | 8.8 | 6.5 | 9.7 |

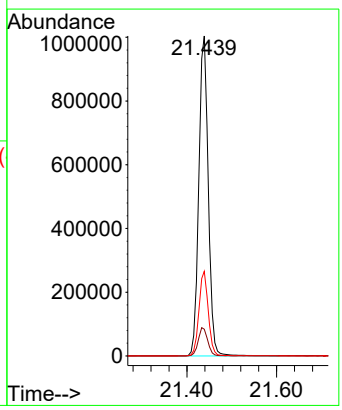


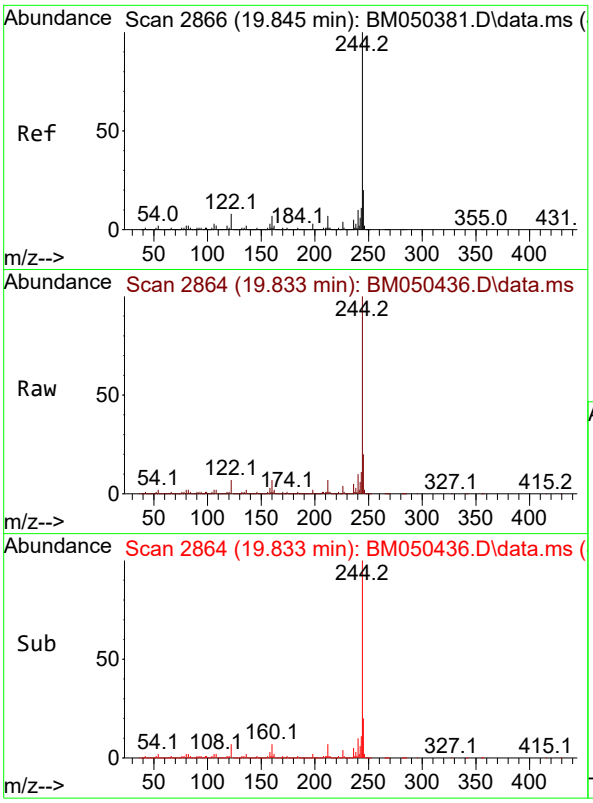




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3137
Delta R.T. -0.017 min
Lab File: BM050436.D
Acq: 14 Jul 2025 21:34

Tgt Ion:240 Resp: 1465640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.4 | 6.7 | 10.1 |
| 236 | 26.5 | 20.7 | 31.1 |



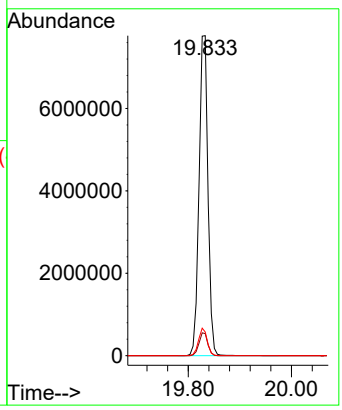


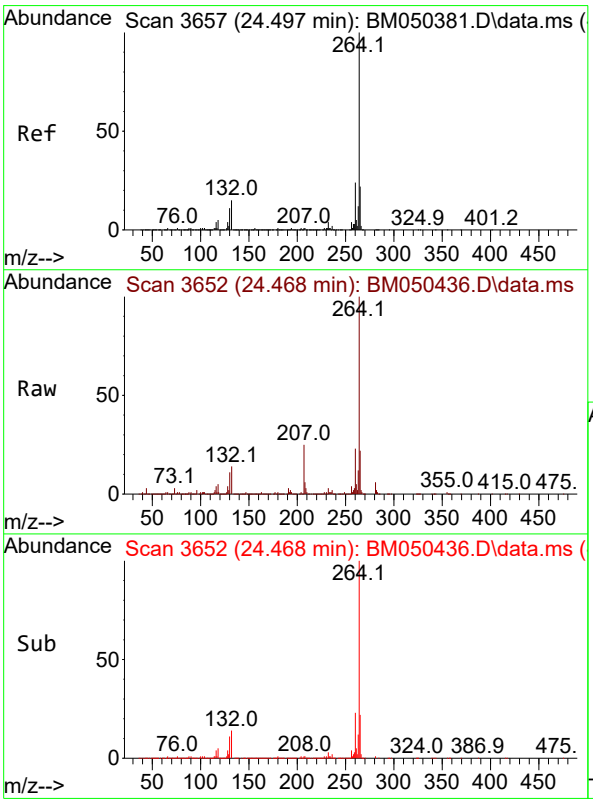

#79
Terphenyl-d14
Concen: 111.669 ng
RT: 19.833 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050436.D
Acq: 14 Jul 2025 21:34

**Instrument :**
BNA_M
**ClientSampleId :**
PB168728TB

Tgt Ion:244 Resp: 9302062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.7 | 8.5 |
| 122 | 7.4 | 6.2 | 9.2 |

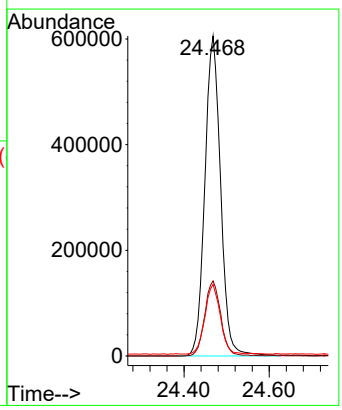



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3652
Delta R.T. -0.029 min
Lab File: BM050436.D
Acq: 14 Jul 2025 21:34

Tgt Ion:264 Resp: 1553412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 19.2 | 28.8 |
| 265 | 22.4 | 17.8 | 26.6 |



Raw Data: **BF143039.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/01/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/01/25 |
| Client Sample ID: | G4(0-6) | SDG No.: | Q2489 |
| Lab Sample ID: | Q2489-01 | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BF143039.D | 1 | 07/07/25 11:15 | 07/08/25 18:08 | PB168750 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 12.8 | U | 12.8 | 50.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 5.30 | U | 5.30 | 50.0 | ug/L |
| 95-48-7 | 2-Methylphenol | 11.2 | U | 11.2 | 50.0 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 11.0 | U | 11.0 | 100 | ug/L |
| 67-72-1 | Hexachloroethane | 6.50 | U | 6.50 | 50.0 | ug/L |
| 98-95-3 | Nitrobenzene | 7.60 | U | 7.60 | 50.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 5.40 | U | 5.40 | 50.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 5.10 | U | 5.10 | 50.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 6.20 | U | 6.20 | 50.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 12.2 | U | 12.2 | 50.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | 5.20 | U | 5.20 | 50.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 15.8 | U | 15.8 | 100 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 111 | | 23 - 138 | 74% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 97.4 | | 10 - 134 | 65% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 87.5 | | 67 - 132 | 87% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 88.2 | | 52 - 132 | 88% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 131 | | 44 - 137 | 87% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 66.2 | | 42 - 152 | 66% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 50900 | 6.875 | | | |
| 1146-65-2 | Naphthalene-d8 | 189000 | 8.157 | | | |
| 15067-26-2 | Acenaphthene-d10 | 94600 | 9.916 | | | |
| 1517-22-2 | Phenanthrene-d10 | 143000 | 11.404 | | | |
| 1719-03-5 | Chrysene-d12 | 101000 | 14.051 | | | |
| 1520-96-3 | Perylene-d12 | 123000 | 15.551 | | | |

Raw Data: **BF143039.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/01/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/01/25 |
| Client Sample ID: | G4(0-6) | SDG No.: | Q2489 |
| Lab Sample ID: | Q2489-01 | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BF143039.D | 1 | 07/07/25 11:15 | 07/08/25 18:08 | PB168750 |

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

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

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

Sample Results: **BF143039.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143039.D
Acq On : 08 Jul 2025 18:08
Operator : RC/JU
Sample : Q2489-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
G4(0-6)

Quant Time: Jul 08 19:33:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 50855 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 188920 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 94572 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 143217 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.051 | 240 | 100635 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.551 | 264 | 123438 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.504 | 112 | 340406 | 111.444 | ng | 0.01 |
| 7) Phenol-d6 | 6.504 | 99 | 350880 | 97.366 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 301356 | 87.495 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 127154 | 130.654 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.234 | 172 | 635260 | 88.242 | ng | -0.01 |
| 79) Terphenyl-d14 | 12.992 | 244 | 482045 | 66.184 | ng | 0.00 |

Target Compounds Qvalue

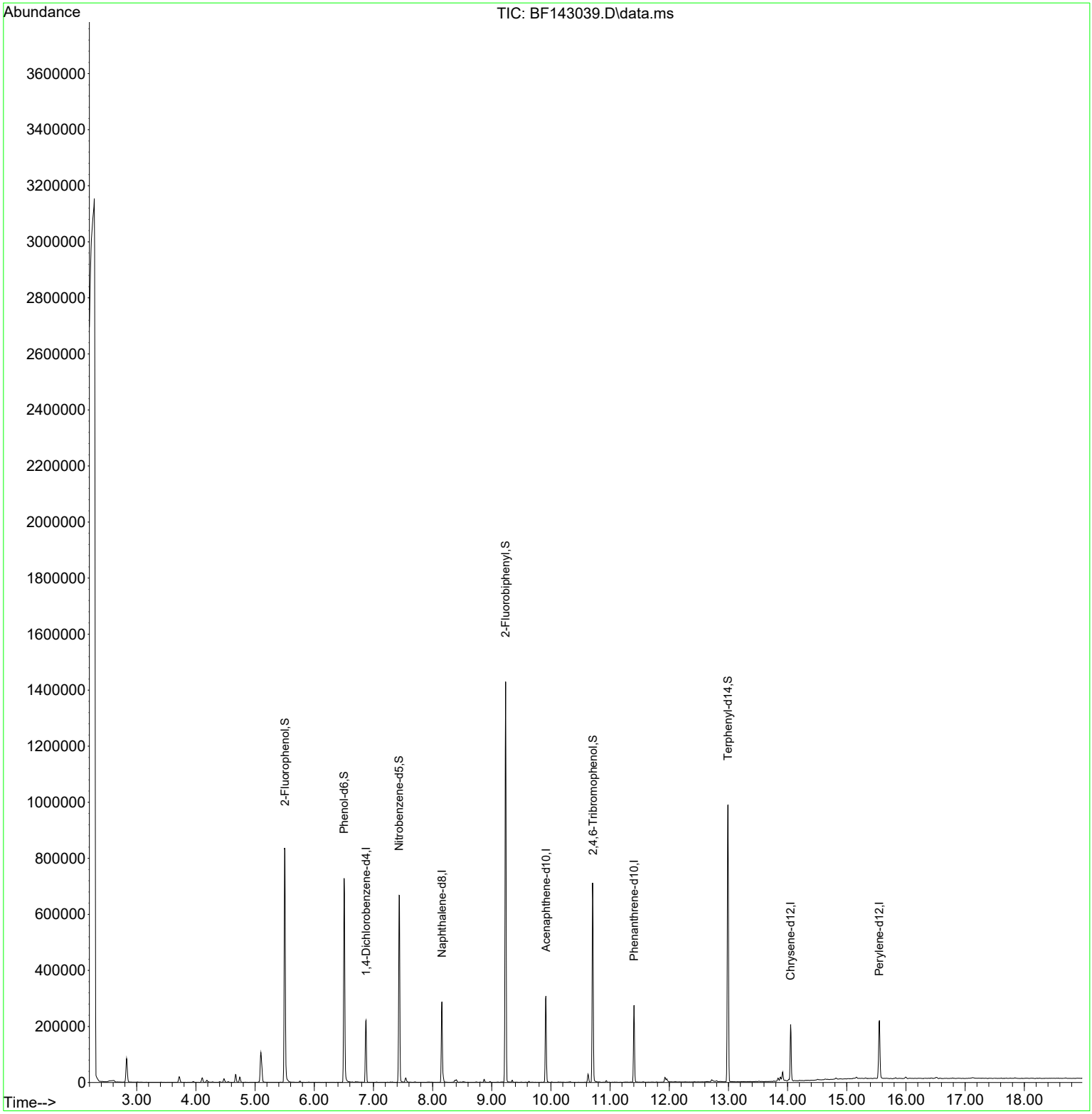
(#) = qualifier out of range (m) = manual integration (+) = signals summed

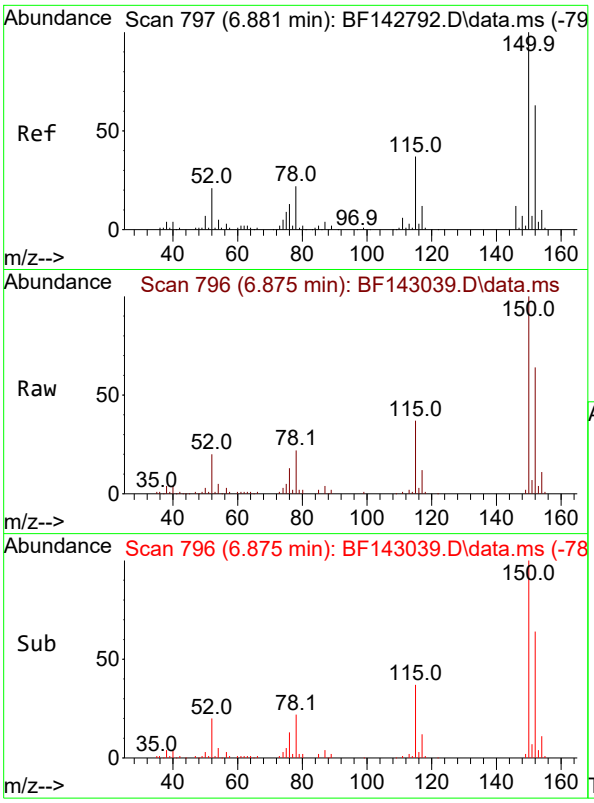
Sample Results: **BF143039.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143039.D
Acq On : 08 Jul 2025 18:08
Operator : RC/JU
Sample : Q2489-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
G4(0-6)

Quant Time: Jul 08 19:33:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



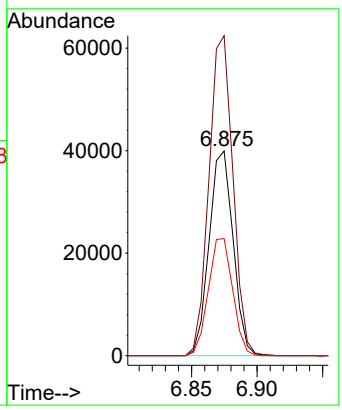


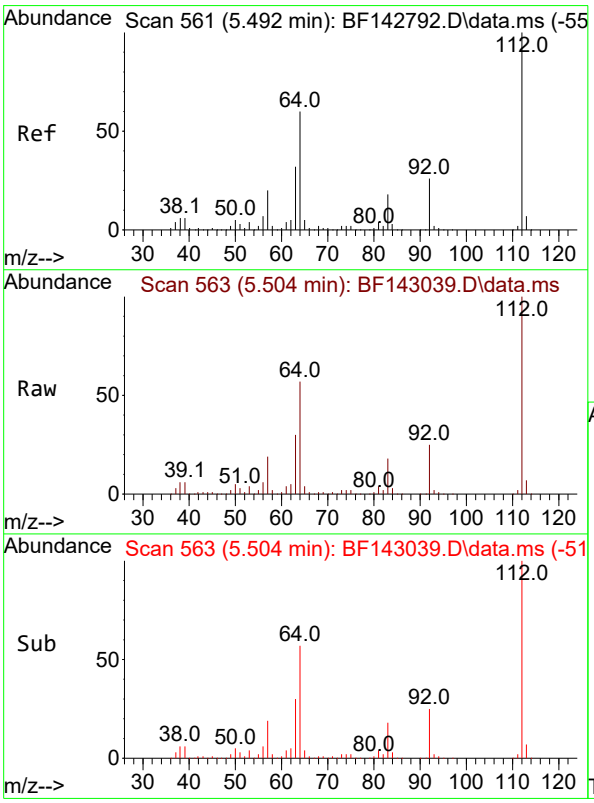

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

**Instrument :**
BNA_F
**ClientSampleId :**
G4(0-6)

Tgt Ion:152 Resp: 50855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.4 | 127.2 | 190.8 |
| 115 | 57.3 | 46.6 | 69.8 |

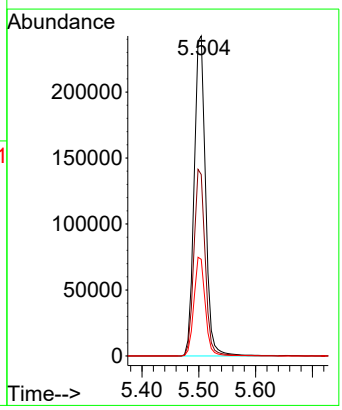


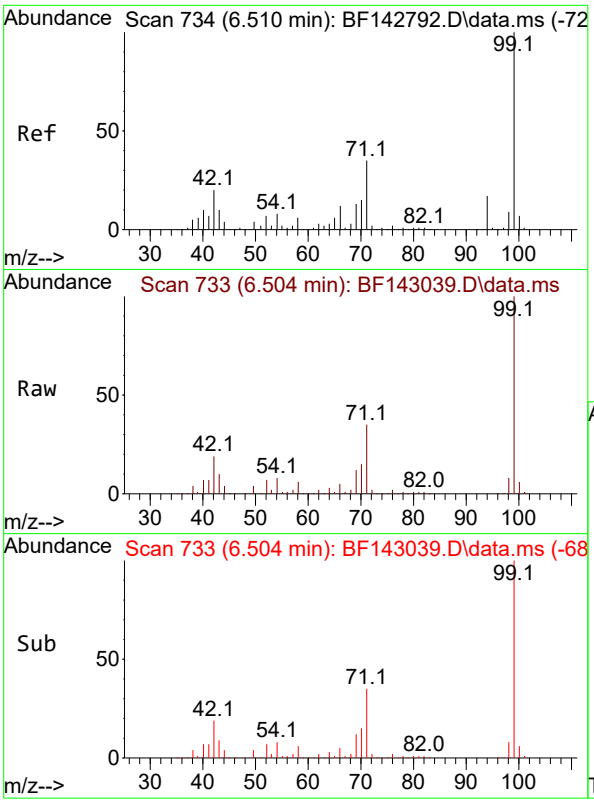




#5
2-Fluorophenol
Concen: 111.444 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

Tgt Ion:112 Resp: 340406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.7 | 48.2 | 72.2 |
| 63 | 30.2 | 25.7 | 38.5 |



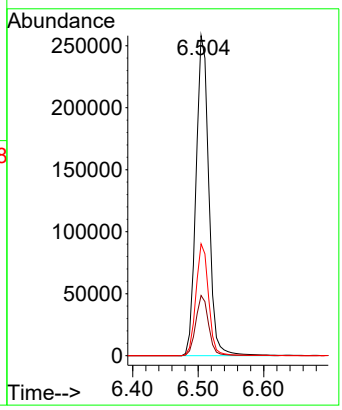


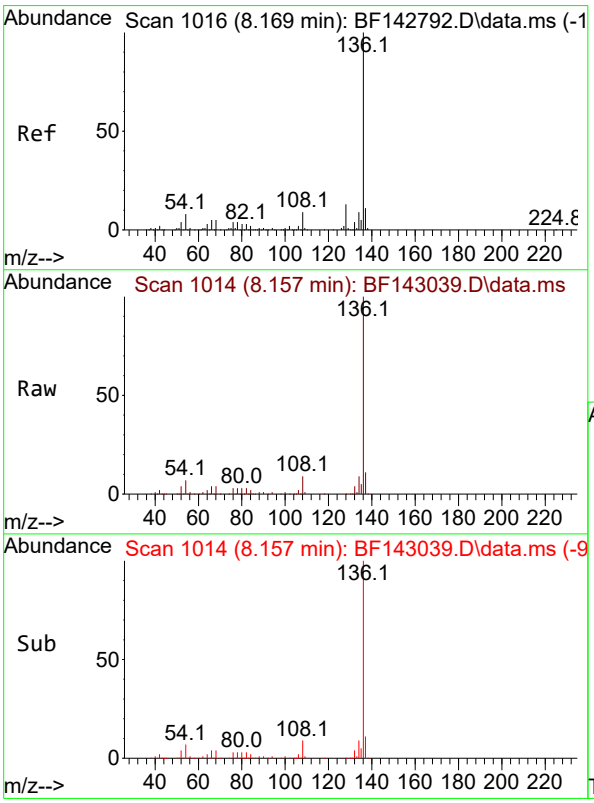

#7
Phenol-d6
Concen: 97.366 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

**Instrument :**
BNA_F
**ClientSampleId :**
G4(0-6)

Tgt Ion: 99 Resp: 350880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.8 | 15.9 | 23.9 |
| 71 | 35.0 | 27.8 | 41.8 |

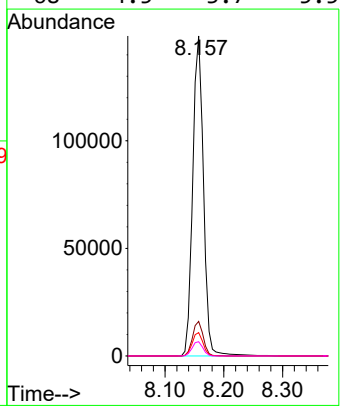


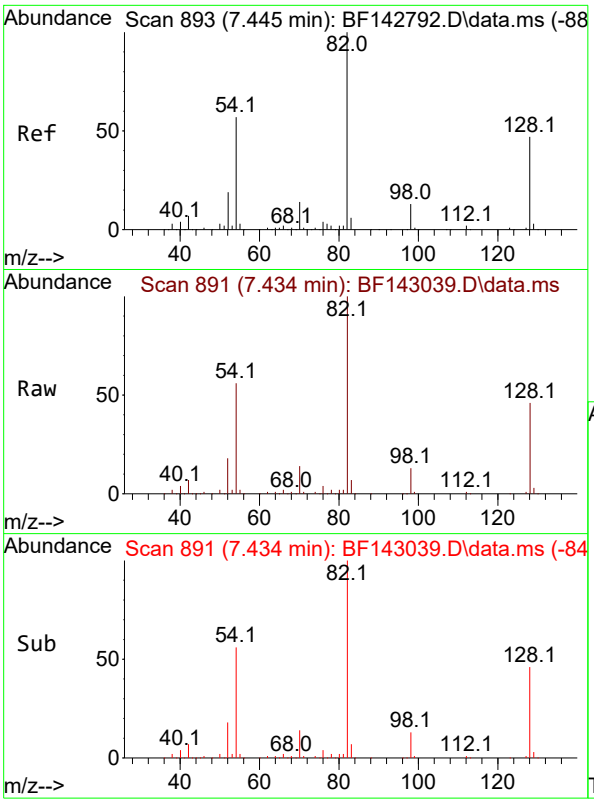




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

Tgt Ion:136 Resp: 188920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.4 | 12.6 |
| 54 | 7.3 | 6.3 | 9.5 |
| 68 | 4.5 | 3.7 | 5.5 |



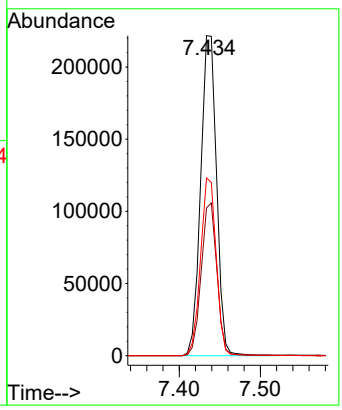


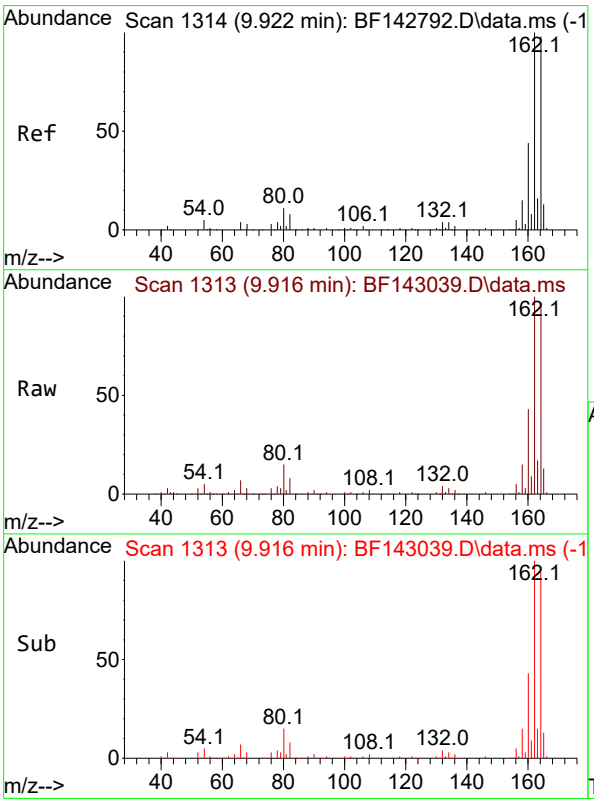

#23
Nitrobenzene-d5
Concen: 87.495 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

**Instrument :**
BNA_F
**ClientSampleId :**
G4(0-6)

Tgt Ion: 82 Resp: 301356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.2 | 37.7 | 56.5 |
| 54 | 55.6 | 45.7 | 68.5 |

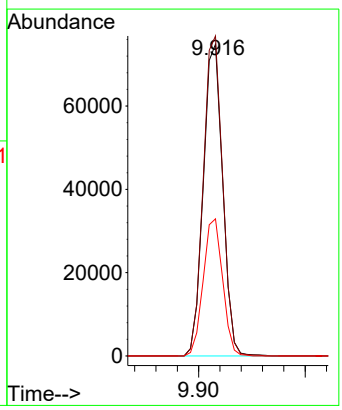


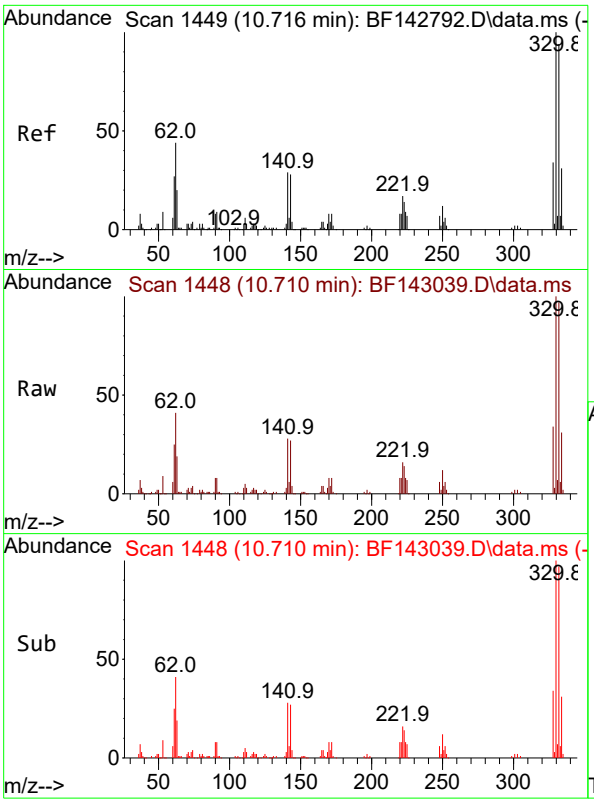




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

Tgt Ion:164 Resp: 94572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.7 | 81.8 | 122.8 |
| 160 | 44.0 | 36.0 | 54.0 |



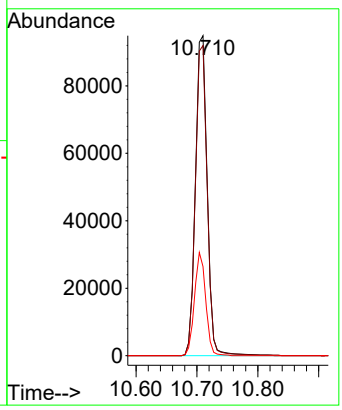


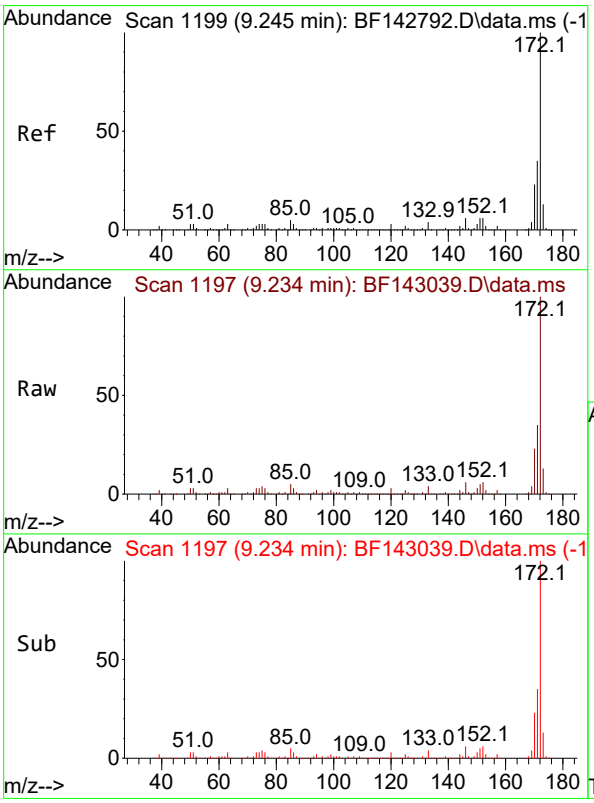

#42
2,4,6-Tribromophenol
Concen: 130.654 ng
RT: 10.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

**Instrument :**
BNA_F
**ClientSampleId :**
G4(0-6)

Tgt Ion:330 Resp: 127154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.1 | 75.0 | 112.6 |
| 141 | 30.8 | 25.3 | 37.9 |

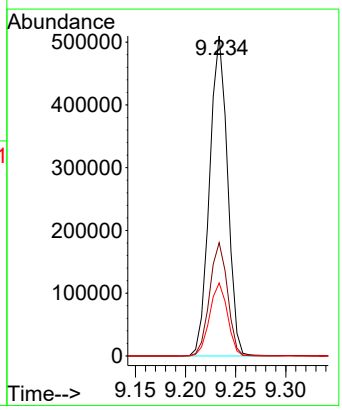


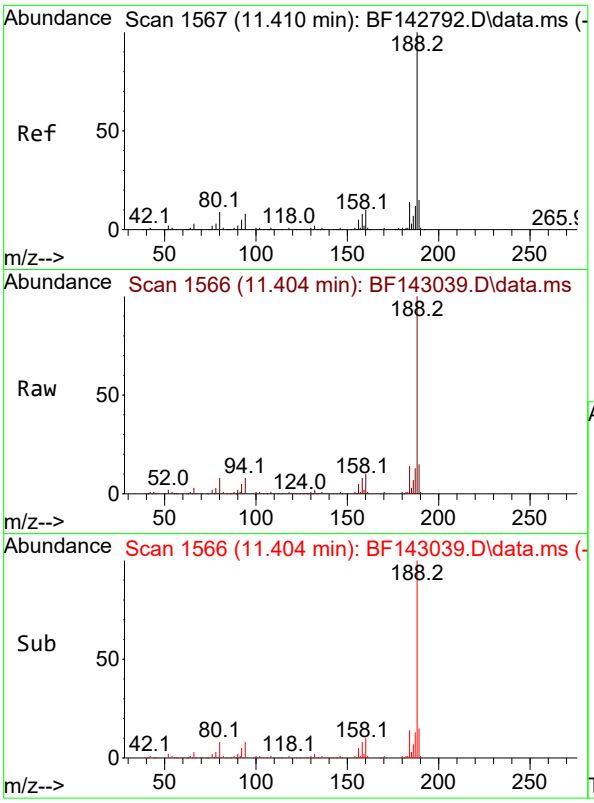




#45
2-Fluorobiphenyl
Concen: 88.242 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

Tgt Ion:172 Resp: 635260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.2 | 42.4 |
| 170 | 22.8 | 18.5 | 27.7 |



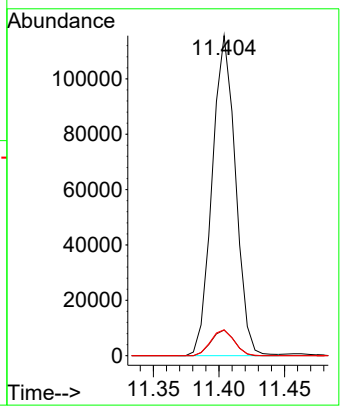


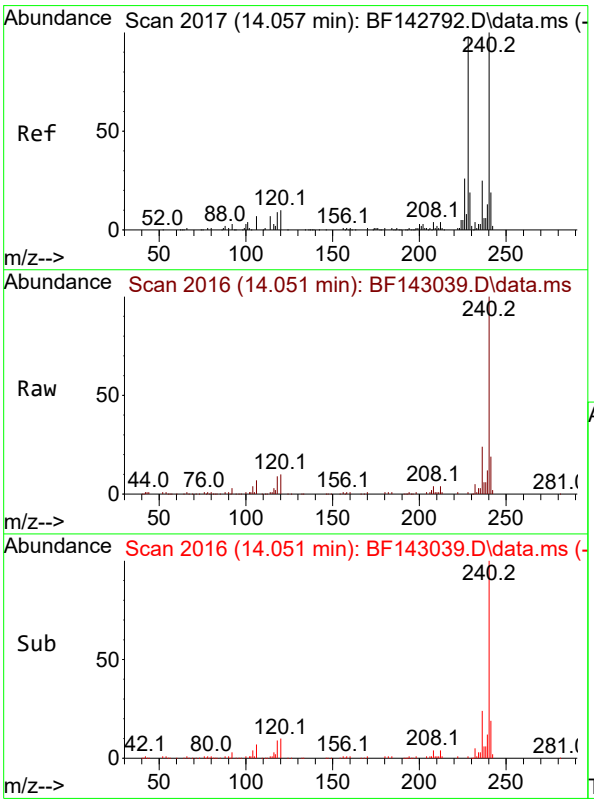

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

**Instrument :**
BNA_F
**ClientSampleId :**
G4(0-6)

Tgt Ion:188 Resp: 143217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.0 | 6.7 | 10.1 |
| 80 | 8.1 | 6.9 | 10.3 |

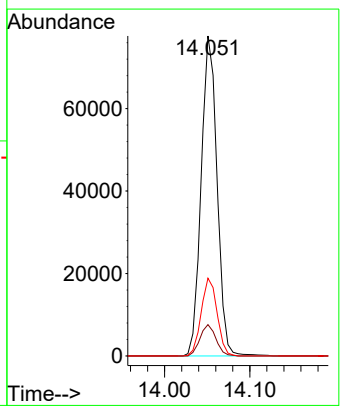


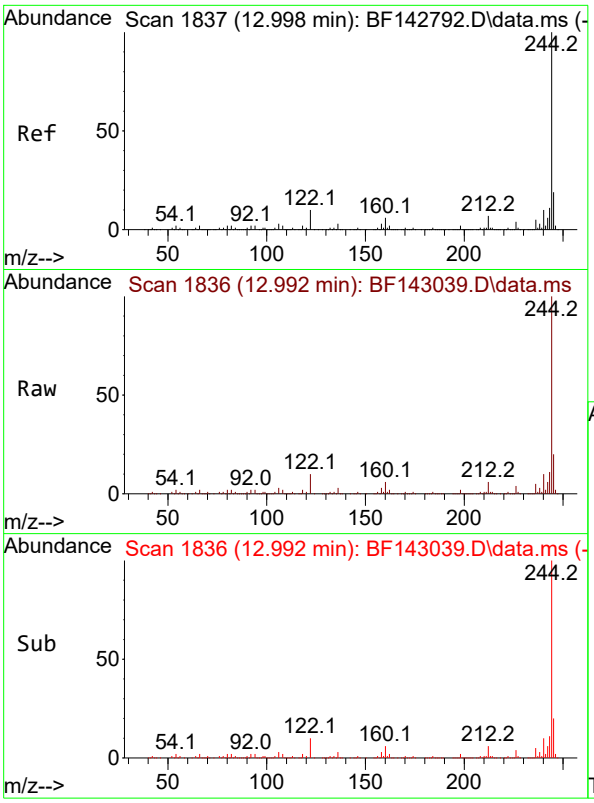




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

Tgt Ion:240 Resp: 100635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.8 | 8.2 | 12.2 |
| 236 | 24.3 | 19.8 | 29.8 |



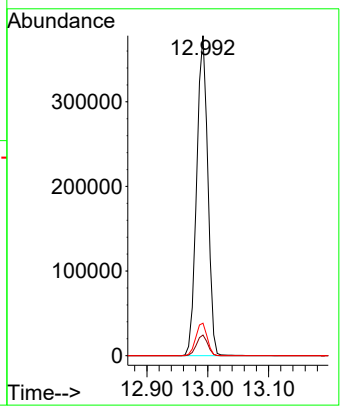


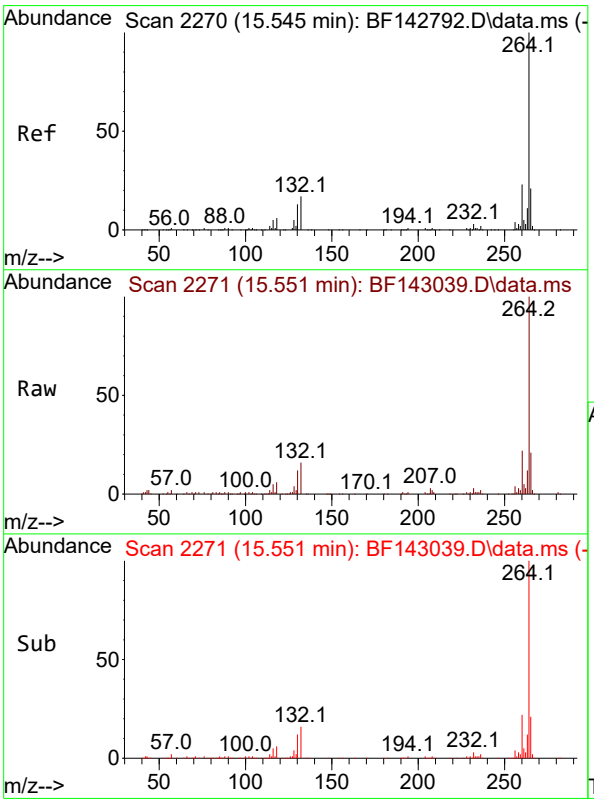

#79
Terphenyl-d14
Concen: 66.184 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

**Instrument :**
BNA_F
**ClientSampleId :**
G4(0-6)

Tgt Ion:244 Resp: 482045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.5 | 5.4 | 8.0 |
| 122 | 10.2 | 8.2 | 12.2 |

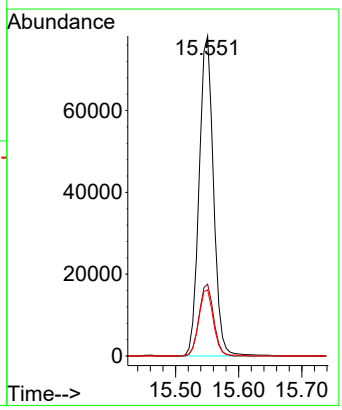



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

Tgt Ion:264 Resp: 123438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.5 | 18.1 | 27.1 |
| 265 | 20.7 | 16.6 | 25.0 |



Raw Data: **BF143040.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/01/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/01/25 |
| Client Sample ID: | G4(6-12) | SDG No.: | Q2489 |
| Lab Sample ID: | Q2489-02 | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BF143040.D | 1 | 07/07/25 11:15 | 07/08/25 18:39 | PB168750 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 12.8 | U | 12.8 | 50.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 5.30 | U | 5.30 | 50.0 | ug/L |
| 95-48-7 | 2-Methylphenol | 11.2 | U | 11.2 | 50.0 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 11.0 | U | 11.0 | 100 | ug/L |
| 67-72-1 | Hexachloroethane | 6.50 | U | 6.50 | 50.0 | ug/L |
| 98-95-3 | Nitrobenzene | 7.60 | U | 7.60 | 50.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 5.40 | U | 5.40 | 50.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 5.10 | U | 5.10 | 50.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 6.20 | U | 6.20 | 50.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 12.2 | U | 12.2 | 50.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | 5.20 | U | 5.20 | 50.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 15.8 | U | 15.8 | 100 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 118 | | 23 - 138 | 79% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 103 | | 10 - 134 | 68% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 82.5 | | 67 - 132 | 82% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 85.6 | | 52 - 132 | 86% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 121 | | 44 - 137 | 81% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 60.6 | | 42 - 152 | 61% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 52100 | 6.875 | | | |
| 1146-65-2 | Naphthalene-d8 | 196000 | 8.157 | | | |
| 15067-26-2 | Acenaphthene-d10 | 94500 | 9.916 | | | |
| 1517-22-2 | Phenanthrene-d10 | 135000 | 11.404 | | | |
| 1719-03-5 | Chrysene-d12 | 102000 | 14.051 | | | |
| 1520-96-3 | Perylene-d12 | 134000 | 15.551 | | | |

Raw Data: **BF143040.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/01/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/01/25 |
| Client Sample ID: | G4(6-12) | SDG No.: | Q2489 |
| Lab Sample ID: | Q2489-02 | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BF143040.D | 1 | 07/07/25 11:15 | 07/08/25 18:39 | PB168750 |

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

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

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

Quantitation Report (QT Reviewed)

Sample Results: **BF143040.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143040.D
Acq On : 08 Jul 2025 18:39
Operator : RC/JU
Sample : Q2489-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
G4(6-12)

Quant Time: Jul 09 01:41:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 52138 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 196486 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 94511 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 135249 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.051 | 240 | 102220 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.551 | 264 | 133953 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.504 | 112 | 368775 | 117.761 | ng | 0.01 |
| 7) Phenol-d6 | 6.504 | 99 | 378913 | 102.558 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 295451 | 82.478 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 117910 | 121.234 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 616144 | 85.642 | ng | -0.01 |
| 79) Terphenyl-d14 | 12.992 | 244 | 448421 | 60.613 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 31) Naphthalene | 8.175 | 128 | 45067 | 4.686 | ng | 99 |

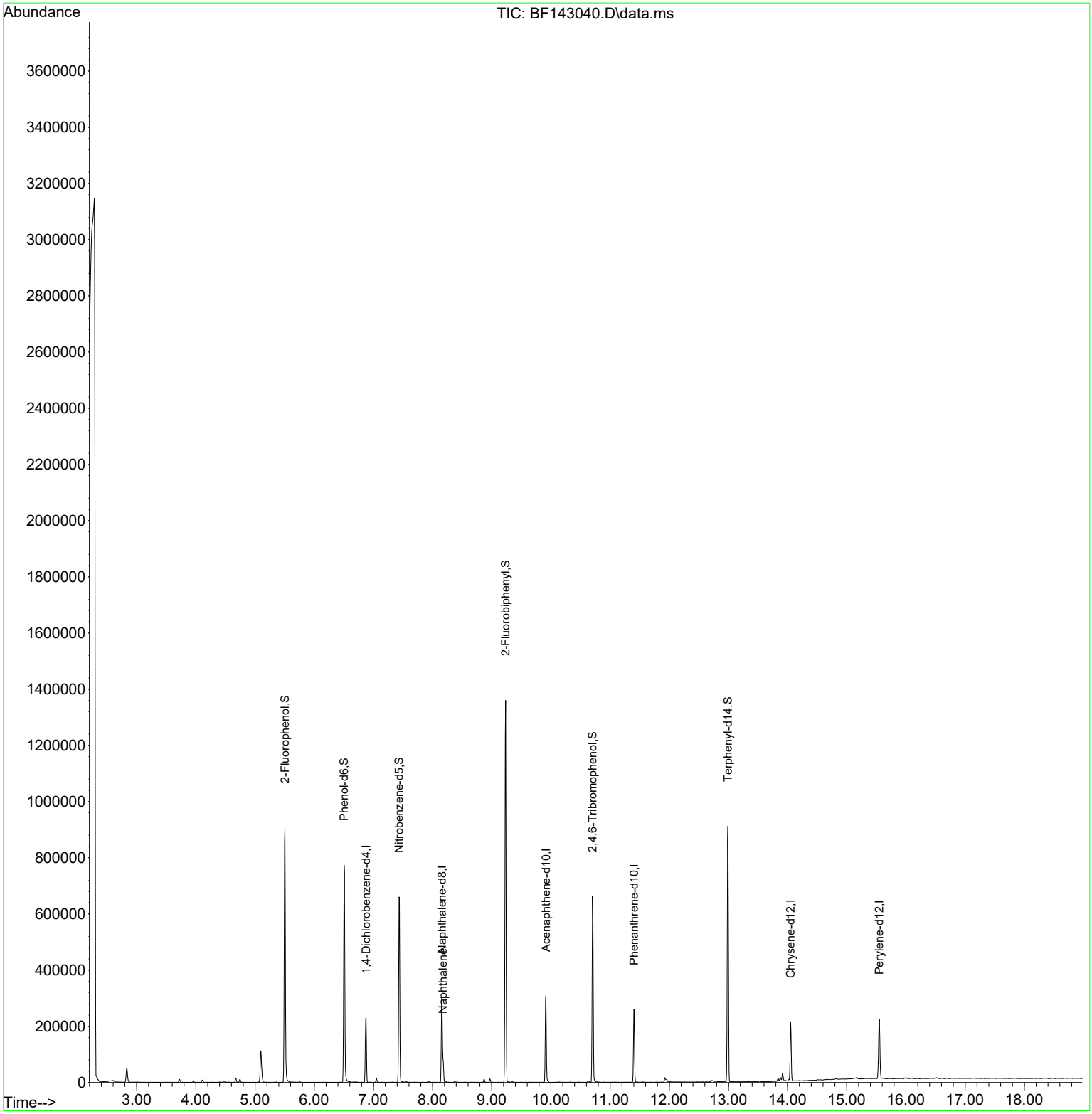
(#) = qualifier out of range (m) = manual integration (+) = signals summed

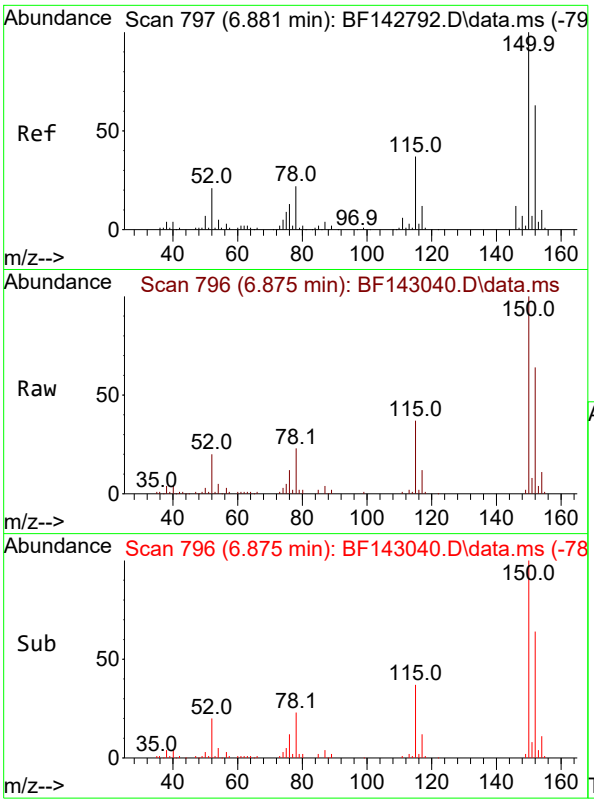
Sample Results: **BF143040.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143040.D
Acq On : 08 Jul 2025 18:39
Operator : RC/JU
Sample : Q2489-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
G4(6-12)

Quant Time: Jul 09 01:41:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



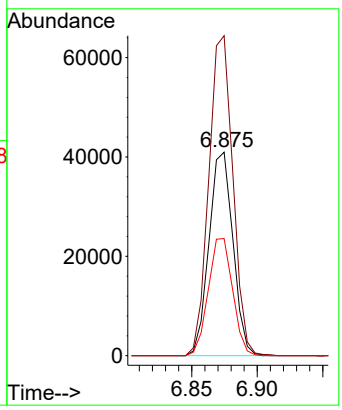


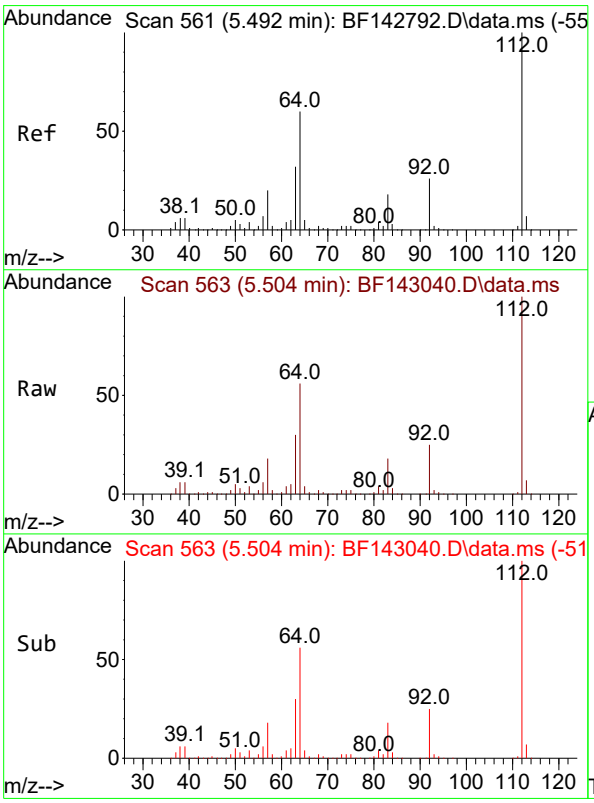

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

**Instrument :**
BNA_F
**ClientSampleId :**
G4(6-12)

Tgt Ion:152 Resp: 52138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.2 | 127.2 | 190.8 |
| 115 | 57.5 | 46.6 | 69.8 |

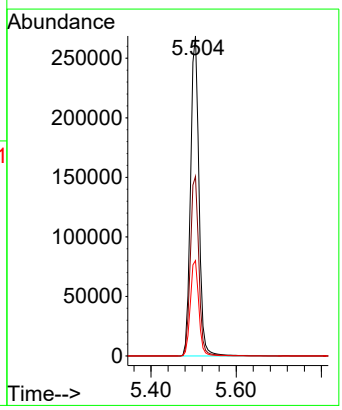


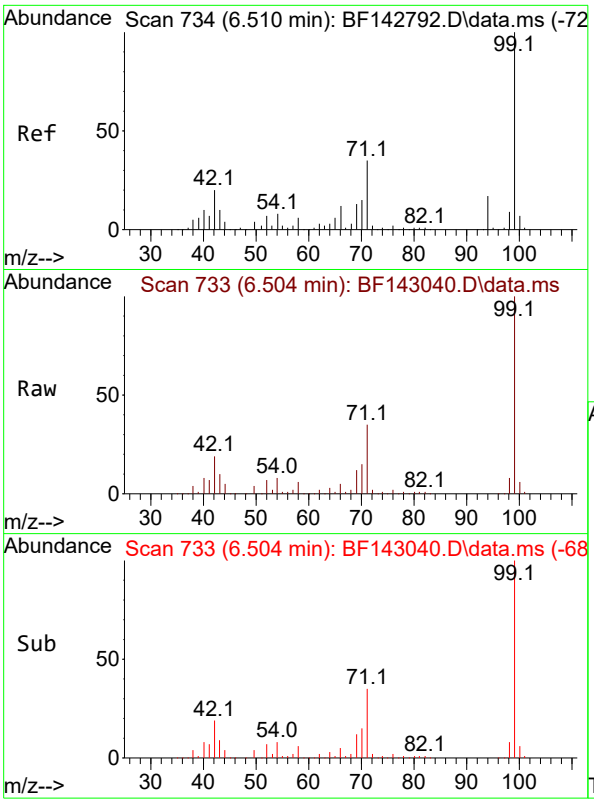




#5
2-Fluorophenol
Concen: 117.761 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

Tgt Ion:112 Resp: 368775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.1 | 48.2 | 72.2 |
| 63 | 29.8 | 25.7 | 38.5 |



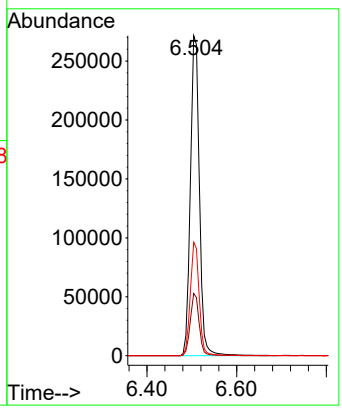


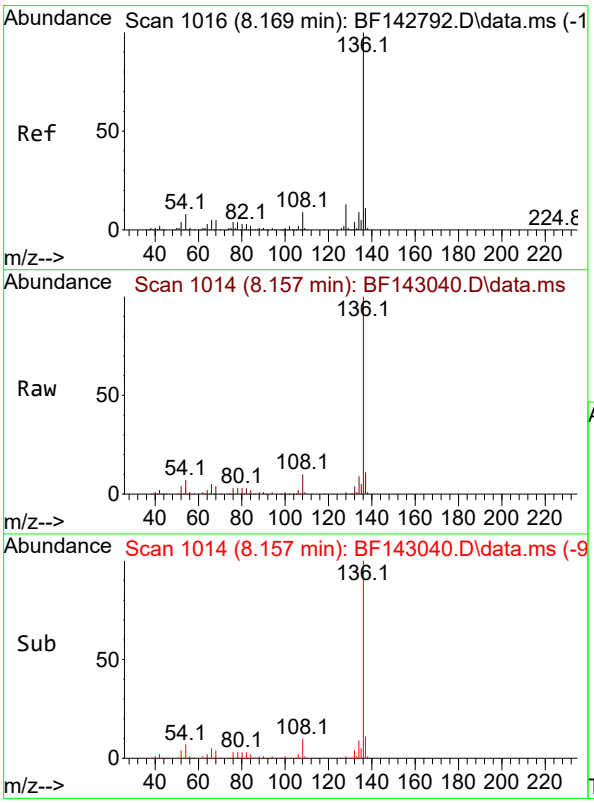

#7
Phenol-d6
Concen: 102.558 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

**Instrument :**
BNA_F
**ClientSampleId :**
G4(6-12)

Tgt Ion: 99 Resp: 378913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.4 | 15.9 | 23.9 |
| 71 | 35.5 | 27.8 | 41.8 |

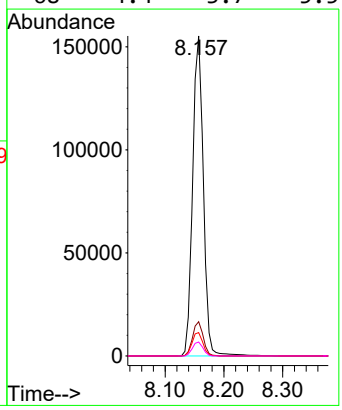


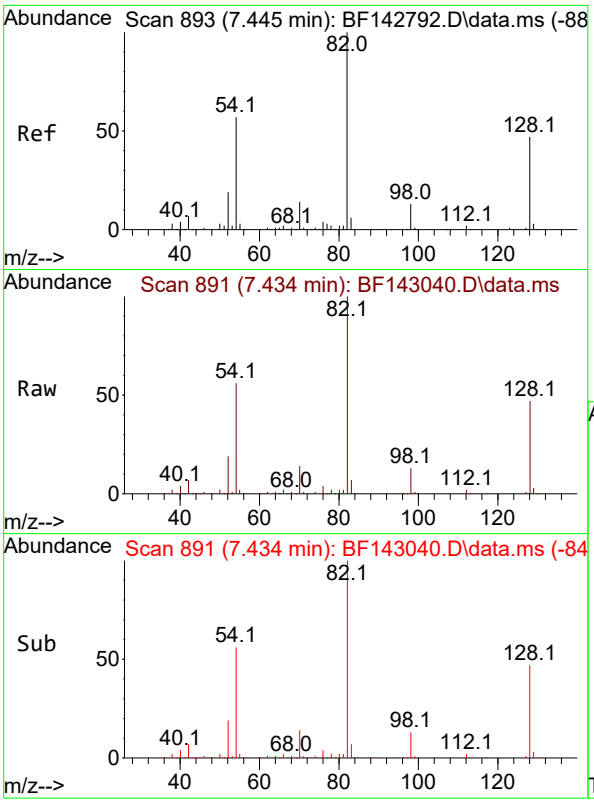




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

Tgt Ion:136 Resp: 196486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.4 | 12.6 |
| 54 | 7.3 | 6.3 | 9.5 |
| 68 | 4.4 | 3.7 | 5.5 |



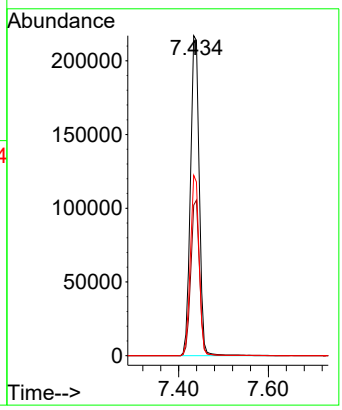


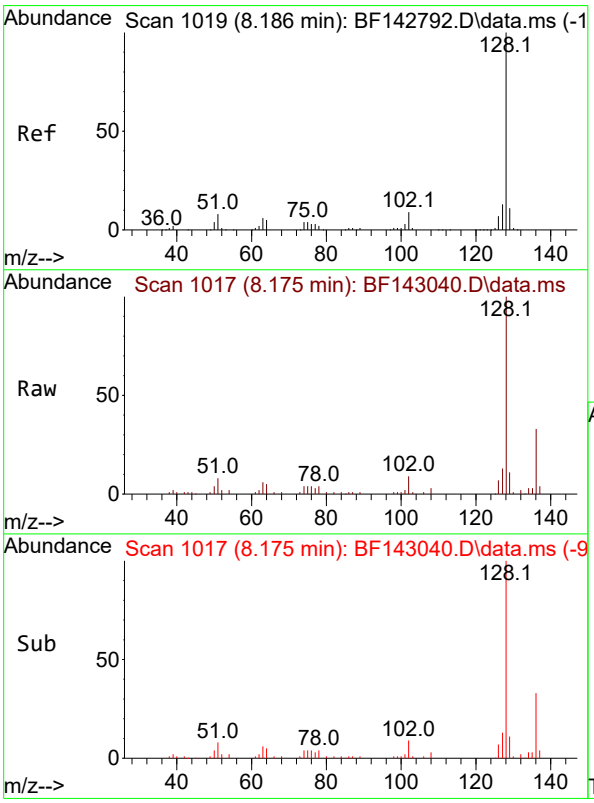

#23
Nitrobenzene-d5
Concen: 82.478 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

**Instrument :**
BNA_F
**ClientSampleId :**
G4(6-12)

Tgt Ion: 82 Resp: 295451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.0 | 37.7 | 56.5 |
| 54 | 56.4 | 45.7 | 68.5 |

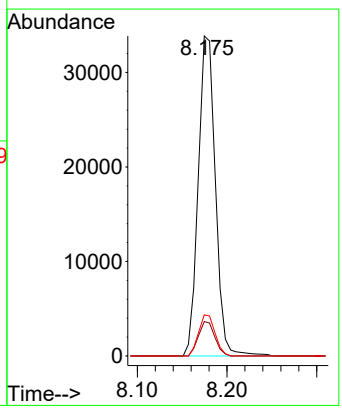


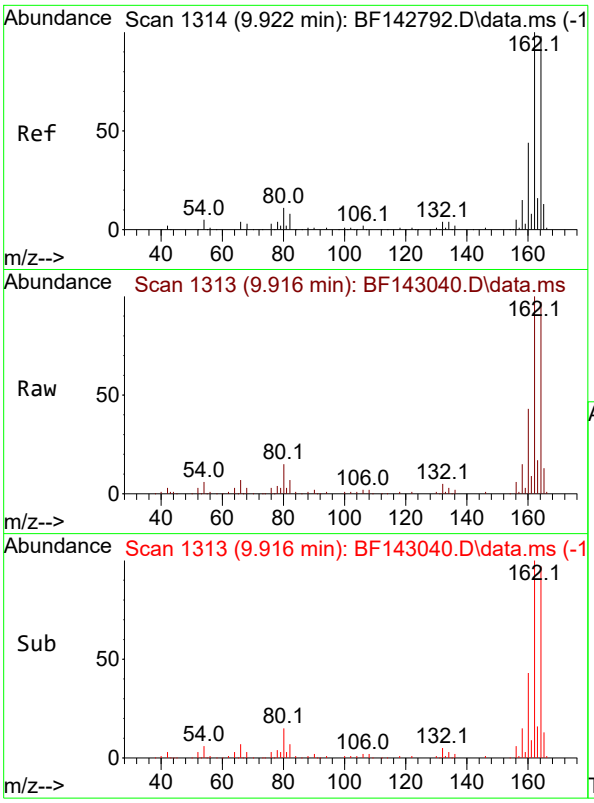




#31
Naphthalene
Concen: 4.686 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

Tgt Ion:128 Resp: 45067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.9 | 13.3 |
| 127 | 12.8 | 10.4 | 15.6 |



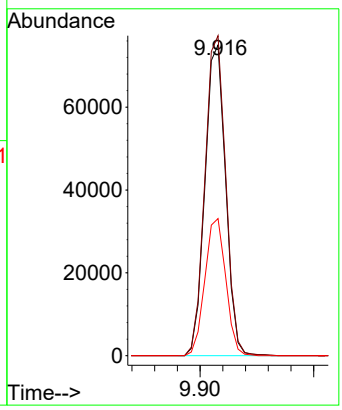


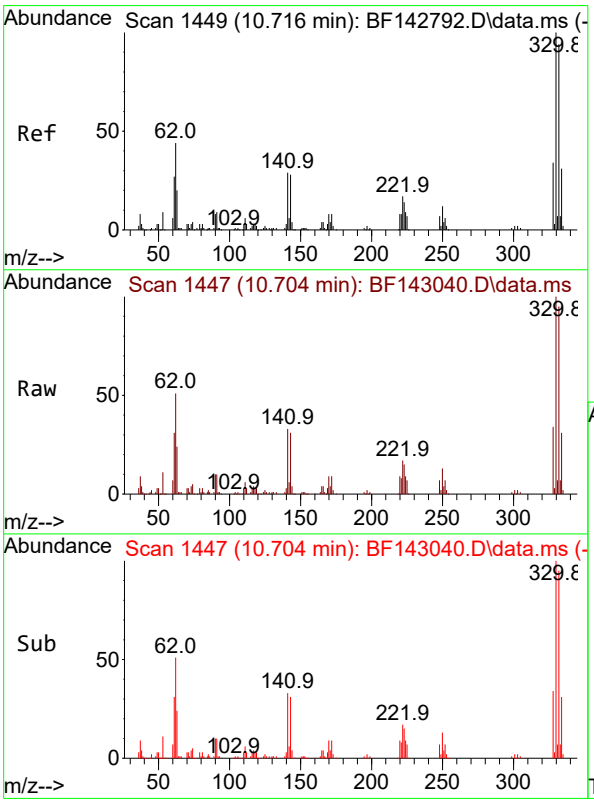

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

**Instrument :**
BNA_F
**ClientSampleId :**
G4(6-12)

Tgt Ion:164 Resp: 94511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.0 | 81.8 | 122.8 |
| 160 | 44.1 | 36.0 | 54.0 |

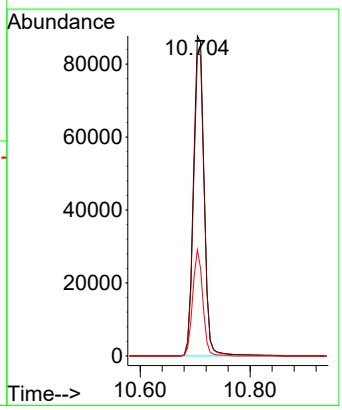


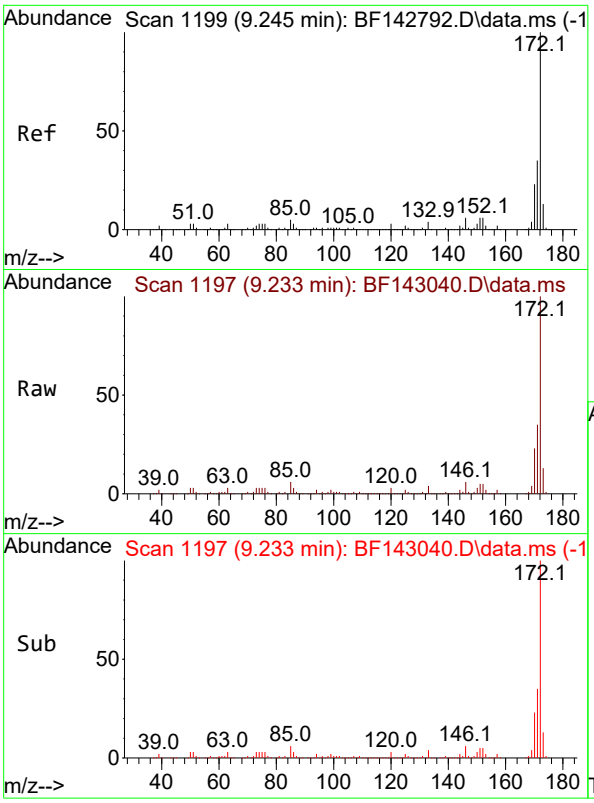




#42
2,4,6-Tribromophenol
Concen: 121.234 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

Tgt Ion:330 Resp: 117910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.6 | 75.0 | 112.6 |
| 141 | 31.5 | 25.3 | 37.9 |



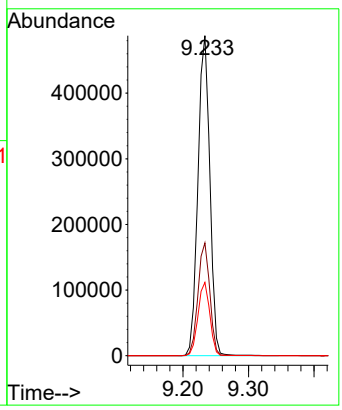


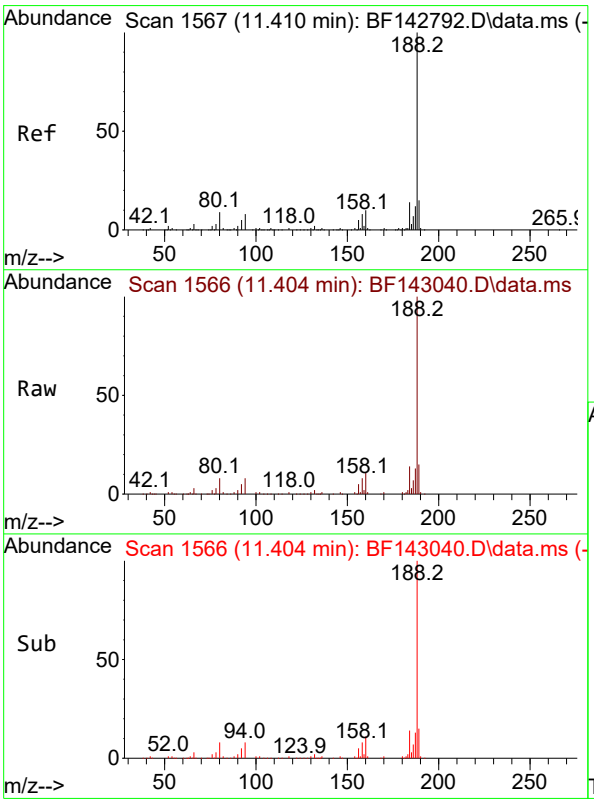

#45
2-Fluorobiphenyl
Concen: 85.642 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

**Instrument :**
BNA_F
**ClientSampleId :**
G4(6-12)

Tgt Ion:172 Resp: 616144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.2 | 42.4 |
| 170 | 22.9 | 18.5 | 27.7 |

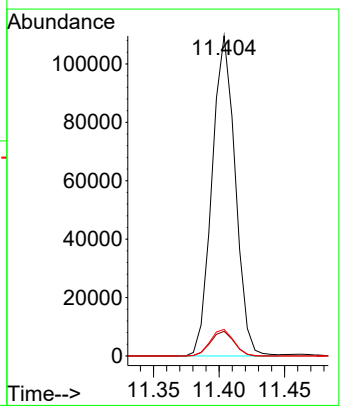


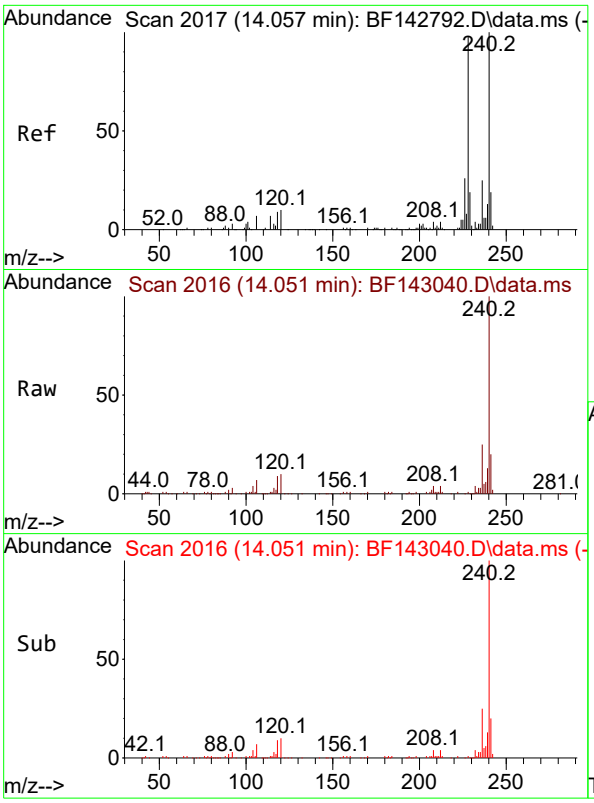




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

Tgt Ion:188 Resp: 135249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.7 | 6.7 | 10.1 |
| 80 | 8.3 | 6.9 | 10.3 |



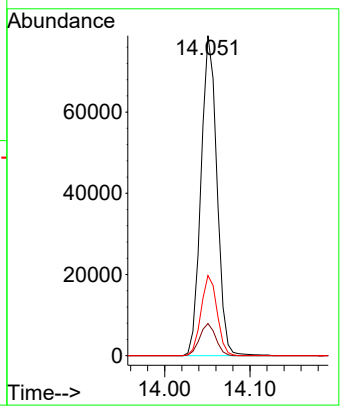


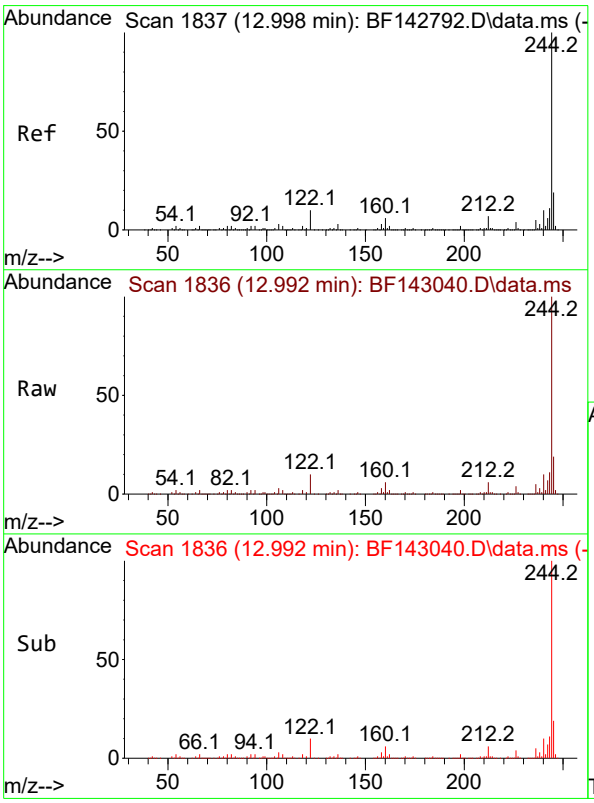

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

**Instrument :**
BNA_F
**ClientSampleId :**
G4(6-12)

Tgt Ion:240 Resp: 102220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.1 | 8.2 | 12.2 |
| 236 | 25.0 | 19.8 | 29.8 |

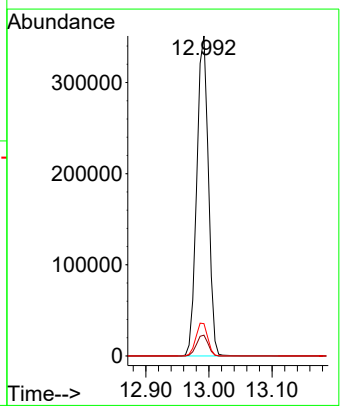


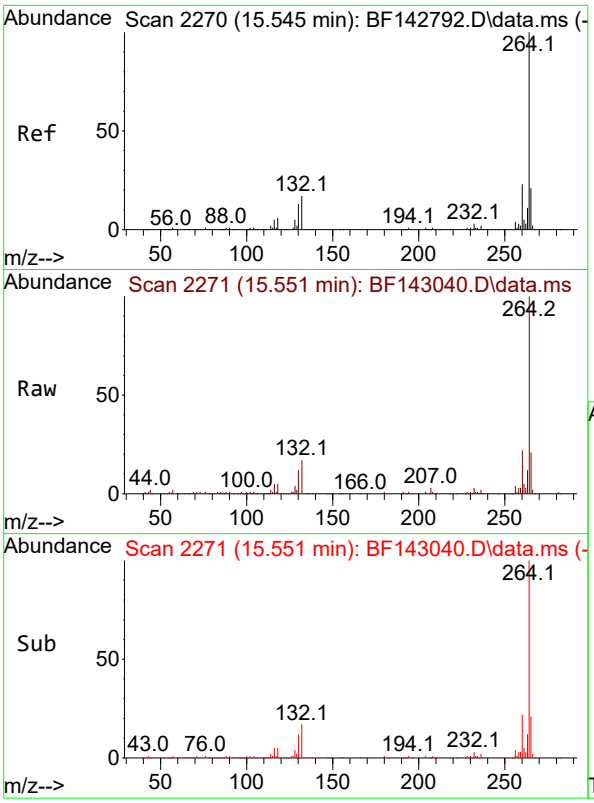




#79
Terphenyl-d14
Concen: 60.613 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

Tgt Ion:244 Resp: 448421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.5 | 5.4 | 8.0 |
| 122 | 10.1 | 8.2 | 12.2 |



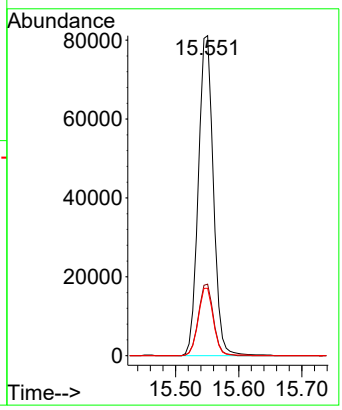



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

**Instrument :**
BNA_F
**ClientSampleId :**
G4(6-12)

Tgt Ion:264 Resp: 133953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.4 | 18.1 | 27.1 |
| 265 | 21.1 | 16.6 | 25.0 |



Raw Data: **BF143056.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/01/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/01/25 |
| Client Sample ID: | G3(0-6) | SDG No.: | Q2489 |
| Lab Sample ID: | Q2489-03 | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BF143056.D | 1 | 07/07/25 11:15 | 07/09/25 14:58 | PB168750 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 12.8 | U | 12.8 | 50.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 5.30 | U | 5.30 | 50.0 | ug/L |
| 95-48-7 | 2-Methylphenol | 11.2 | U | 11.2 | 50.0 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 11.0 | U | 11.0 | 100 | ug/L |
| 67-72-1 | Hexachloroethane | 6.50 | U | 6.50 | 50.0 | ug/L |
| 98-95-3 | Nitrobenzene | 7.60 | U | 7.60 | 50.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 5.40 | U | 5.40 | 50.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 5.10 | U | 5.10 | 50.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 6.20 | U | 6.20 | 50.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 12.2 | U | 12.2 | 50.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | 5.20 | U | 5.20 | 50.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 15.8 | U | 15.8 | 100 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 117 | | 23 - 138 | 78% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 104 | | 10 - 134 | 69% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 82.1 | | 67 - 132 | 82% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 80.2 | | 52 - 132 | 80% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 126 | | 44 - 137 | 84% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 78.3 | | 42 - 152 | 78% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 48100 | 6.869 | | | |
| 1146-65-2 | Naphthalene-d8 | 180000 | 8.157 | | | |
| 15067-26-2 | Acenaphthene-d10 | 91600 | 9.91 | | | |
| 1517-22-2 | Phenanthrene-d10 | 143000 | 11.404 | | | |
| 1719-03-5 | Chrysene-d12 | 82600 | 14.051 | | | |
| 1520-96-3 | Perylene-d12 | 96600 | 15.545 | | | |

Raw Data: **BF143056.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/01/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/01/25 |
| Client Sample ID: | G3(0-6) | SDG No.: | Q2489 |
| Lab Sample ID: | Q2489-03 | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BF143056.D | 1 | 07/07/25 11:15 | 07/09/25 14:58 | PB168750 |

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

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

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

Sample Results: **BF143056.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143056.D
Acq On : 09 Jul 2025 14:58
Operator : RC/JU
Sample : Q2489-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
G3(0-6)

Quant Time: Jul 09 16:03:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.869 | 152 | 48079 | 20.000 | ng | -0.01 |
| 21) Naphthalene-d8 | 8.157 | 136 | 180422 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 91584 | 20.000 | ng | -0.01 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 143380 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.051 | 240 | 82579 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 96581 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 338055 | 117.065 | ng | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 353958 | 103.892 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 269977 | 82.077 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 118480 | 125.713 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 9.234 | 172 | 559320 | 80.228 | ng | -0.01 |
| 79) Terphenyl-d14 | 12.986 | 244 | 468131 | 78.327 | ng | -0.01 |

Target Compounds Qvalue

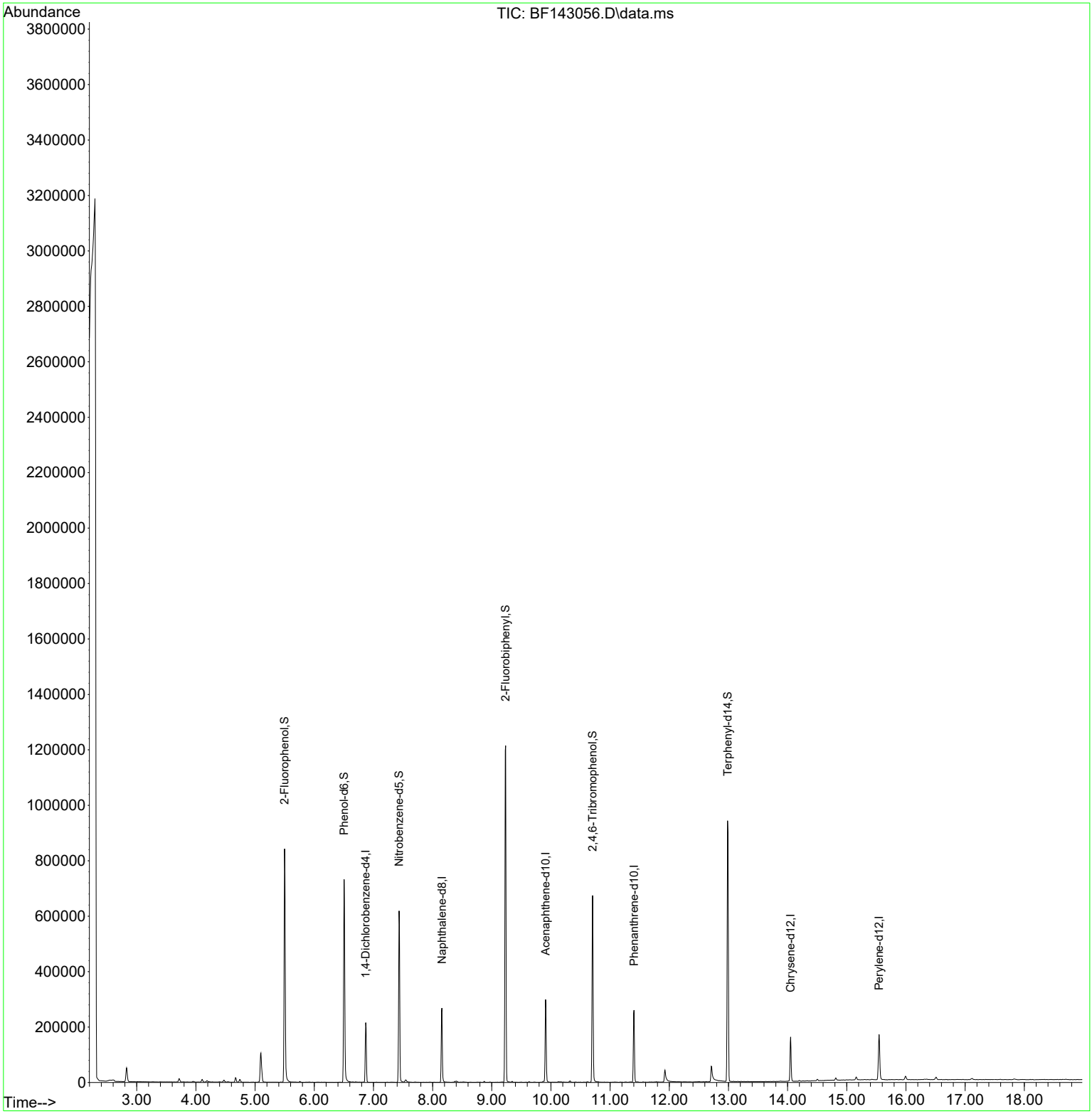
(#) = qualifier out of range (m) = manual integration (+) = signals summed

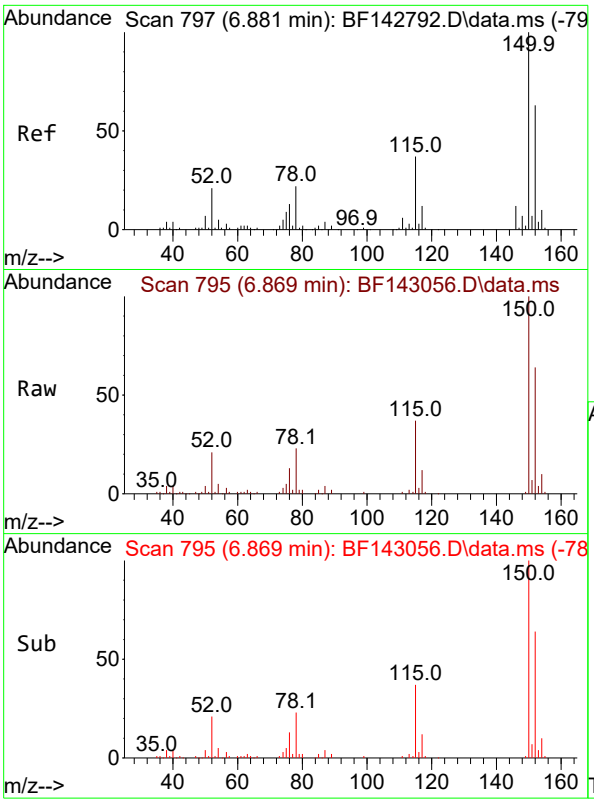
Sample Results: **BF143056.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143056.D
Acq On : 09 Jul 2025 14:58
Operator : RC/JU
Sample : Q2489-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
G3(0-6)

Quant Time: Jul 09 16:03:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



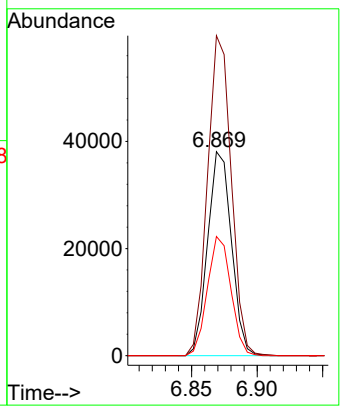


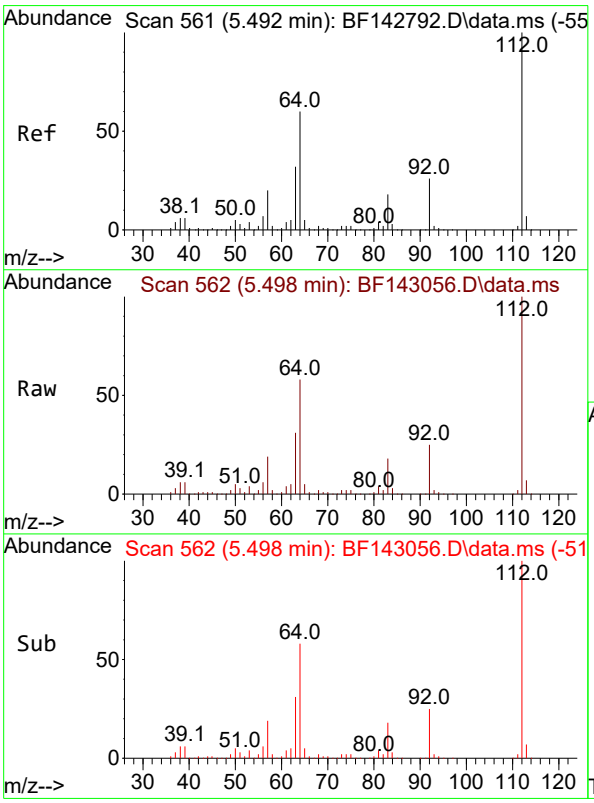

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

**Instrument :**
BNA_F
**ClientSampleId :**
G3(0-6)

Tgt Ion:152 Resp: 48079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.9 | 127.2 | 190.8 |
| 115 | 58.5 | 46.6 | 69.8 |

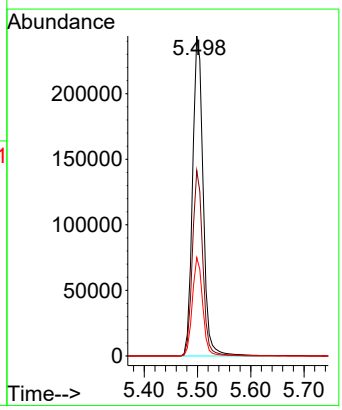


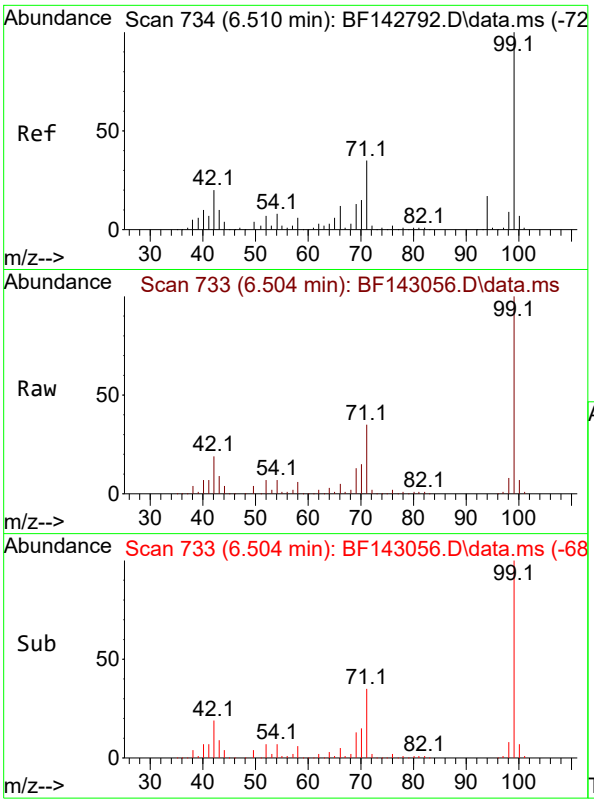




#5
2-Fluorophenol
Concen: 117.065 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

Tgt Ion:112 Resp: 338055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.9 | 48.2 | 72.2 |
| 63 | 30.8 | 25.7 | 38.5 |



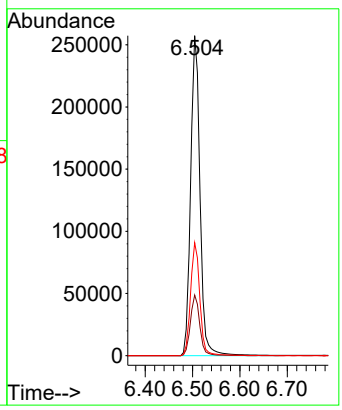


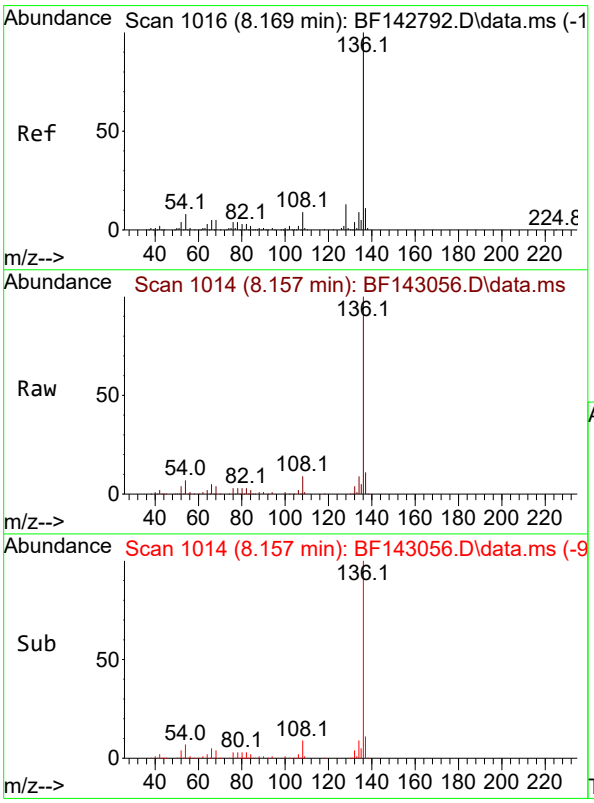

#7
Phenol-d6
Concen: 103.892 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

**Instrument :**
BNA_F
**ClientSampleId :**
G3(0-6)

Tgt Ion: 99 Resp: 353958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.0 | 15.9 | 23.9 |
| 71 | 35.3 | 27.8 | 41.8 |

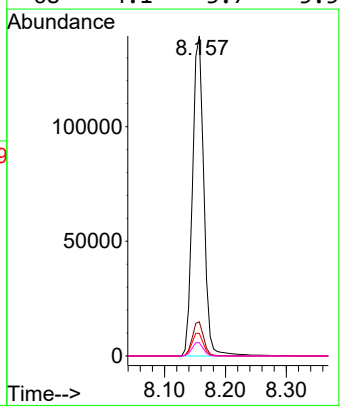


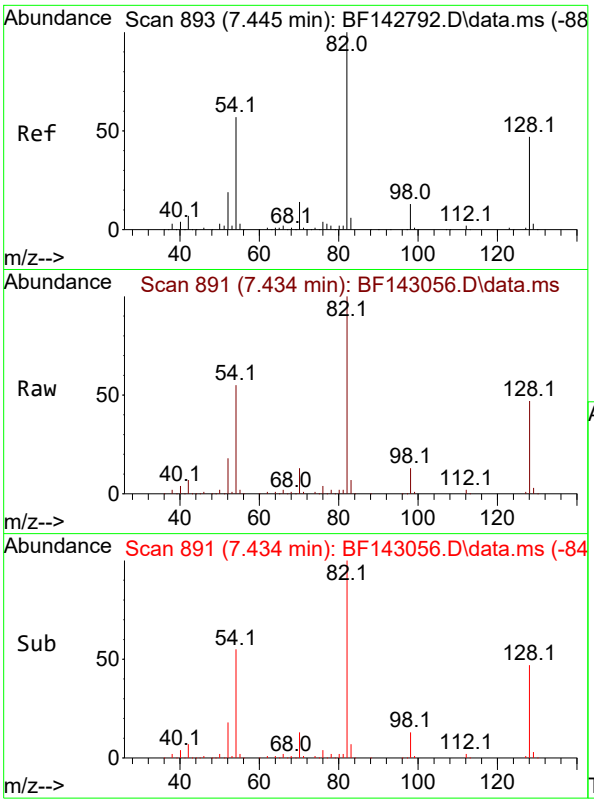




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

Tgt Ion:136 Resp: 180422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.4 | 12.6 |
| 54 | 7.1 | 6.3 | 9.5 |
| 68 | 4.1 | 3.7 | 5.5 |



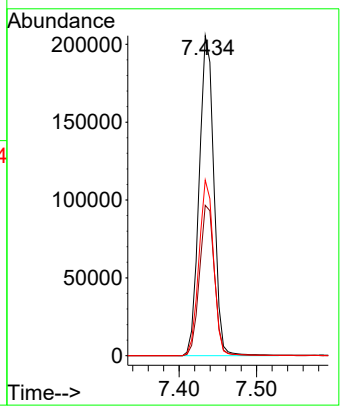


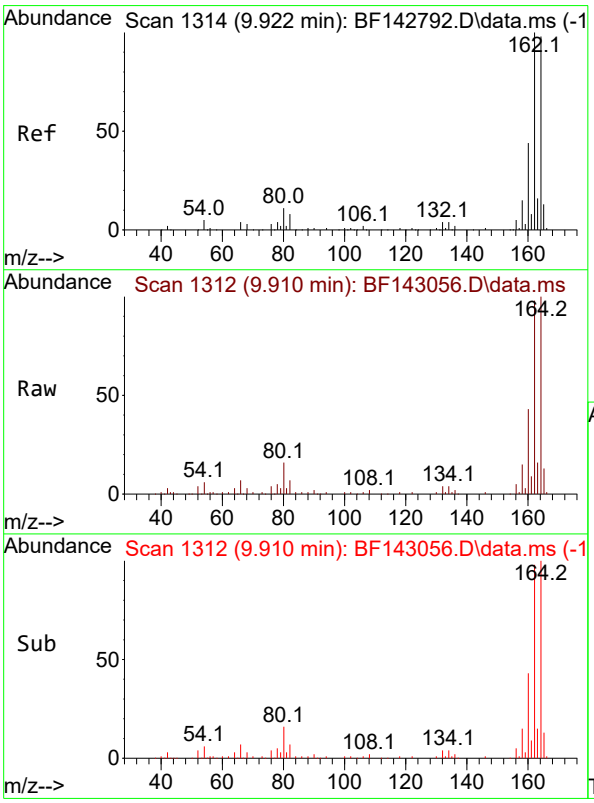

#23
Nitrobenzene-d5
Concen: 82.077 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

**Instrument :**
BNA_F
**ClientSampleId :**
G3(0-6)

Tgt Ion: 82 Resp: 269977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.0 | 37.7 | 56.5 |
| 54 | 54.9 | 45.7 | 68.5 |

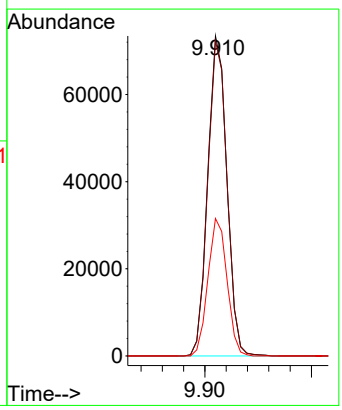


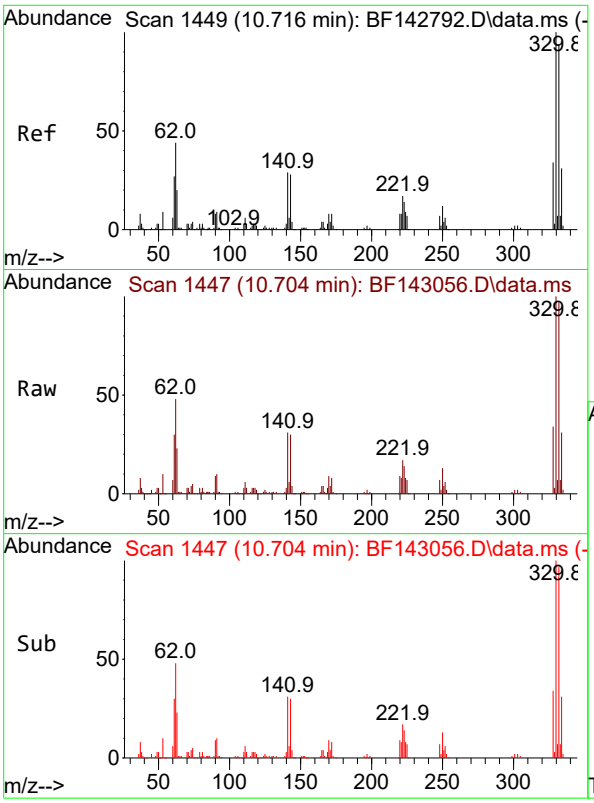




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

Tgt Ion:164 Resp: 91584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.5 | 81.8 | 122.8 |
| 160 | 42.9 | 36.0 | 54.0 |



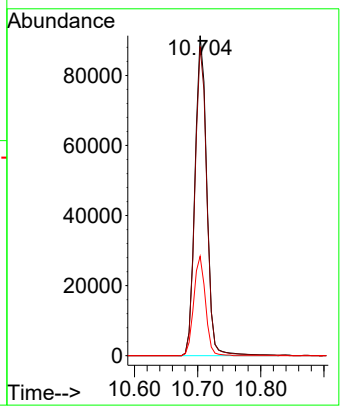


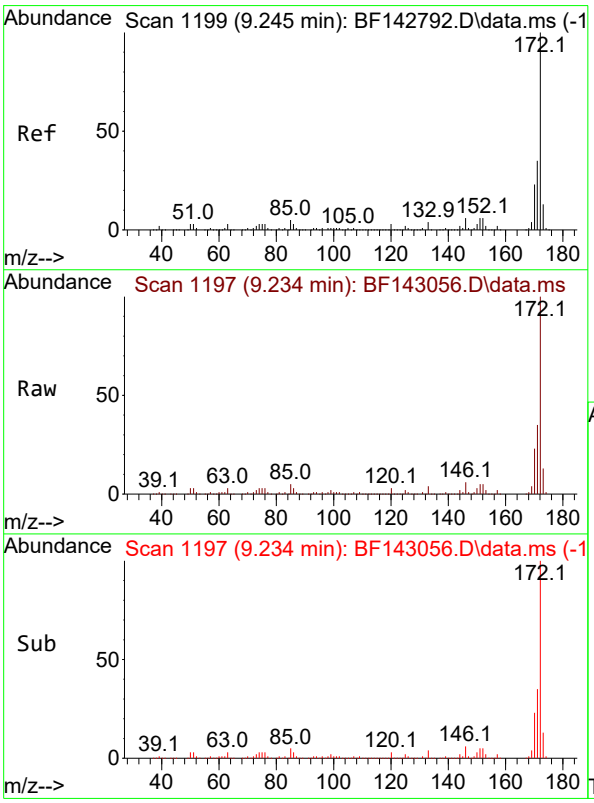

#42
2,4,6-Tribromophenol
Concen: 125.713 ng
RT: 10.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

**Instrument :**
BNA_F
**ClientSampleId :**
G3(0-6)

Tgt Ion:330 Resp: 118480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 75.0 | 112.6 |
| 141 | 30.7 | 25.3 | 37.9 |

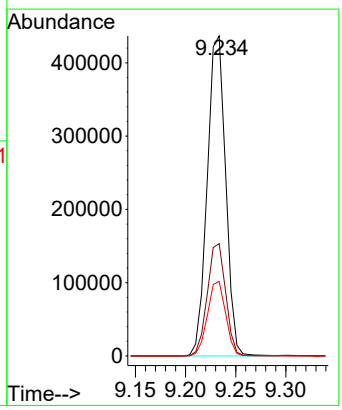


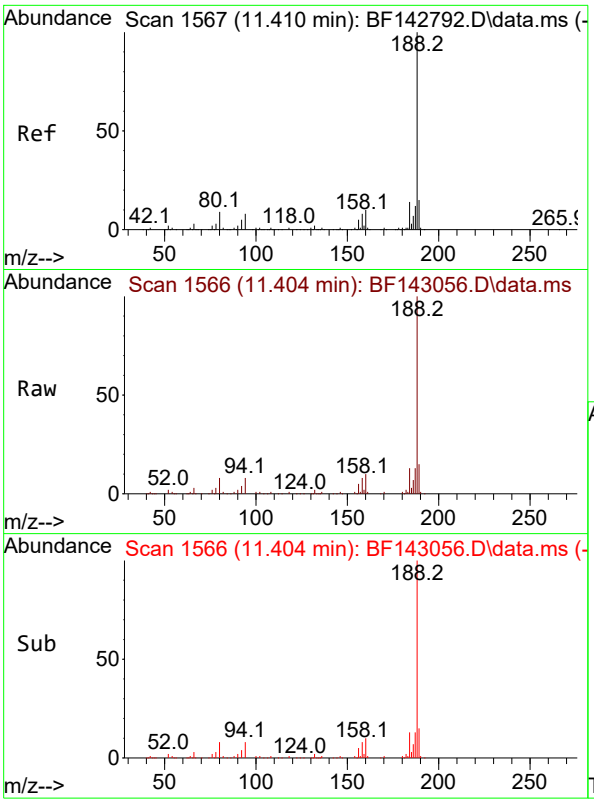




#45
2-Fluorobiphenyl
Concen: 80.228 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

Tgt Ion:172 Resp: 559320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.1 | 28.2 | 42.4 |
| 170 | 23.3 | 18.5 | 27.7 |



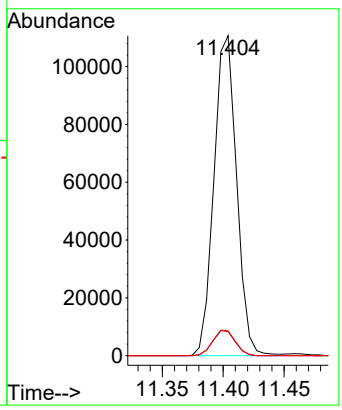


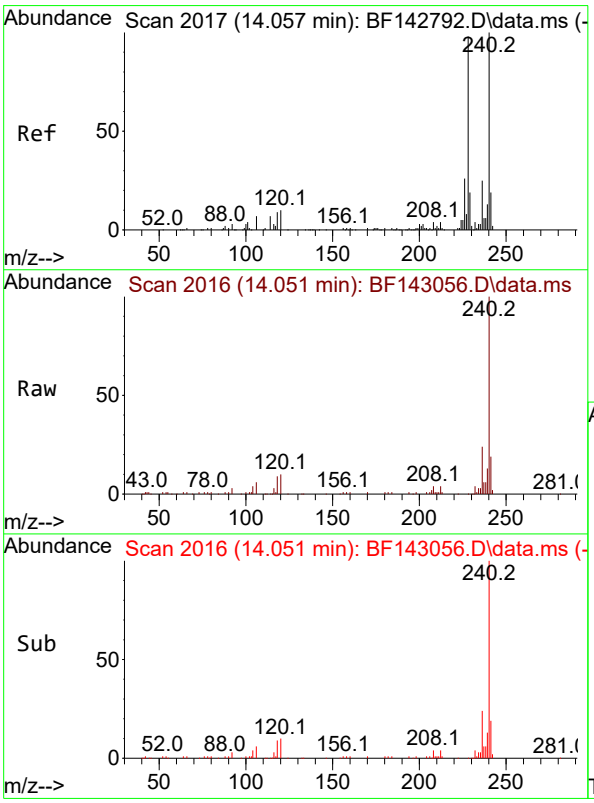

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

**Instrument :**
BNA_F
**ClientSampleId :**
G3(0-6)

Tgt Ion:188 Resp: 143380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.6 | 6.7 | 10.1 |
| 80 | 7.8 | 6.9 | 10.3 |

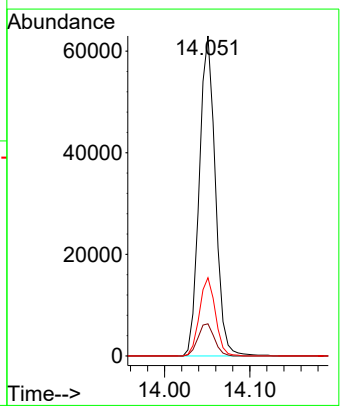


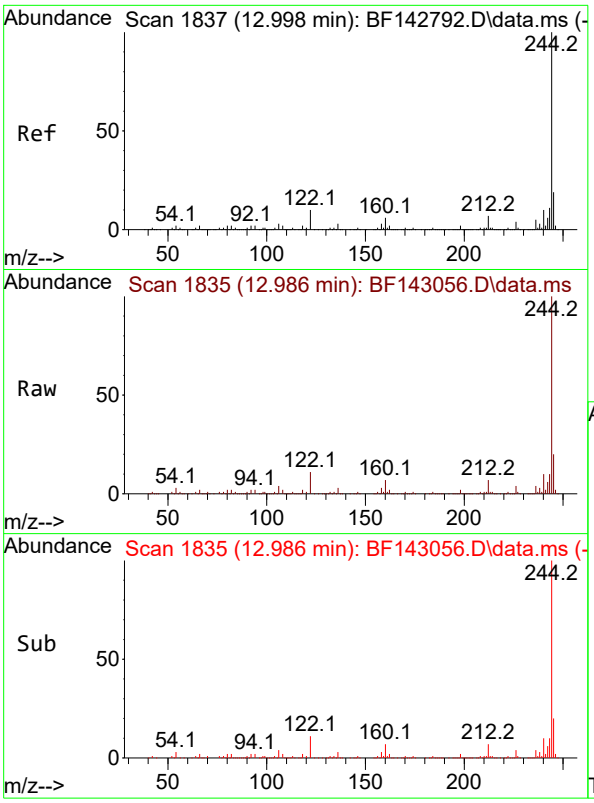




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

Tgt Ion:240 Resp: 82579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.0 | 8.2 | 12.2 |
| 236 | 24.5 | 19.8 | 29.8 |



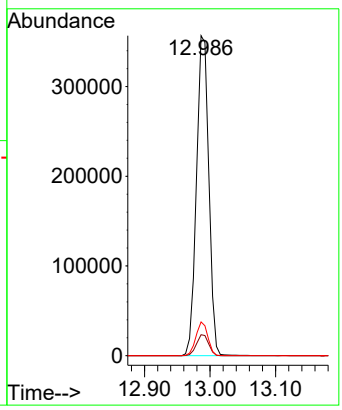


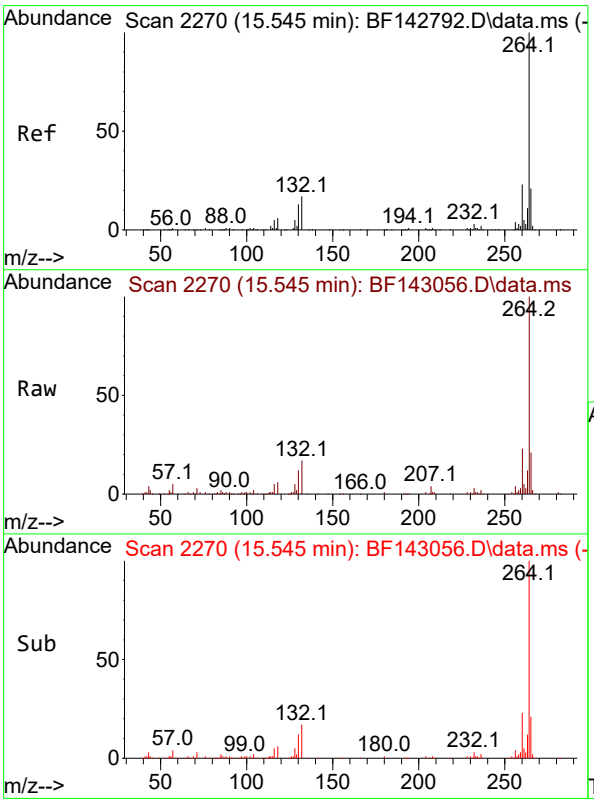

#79
Terphenyl-d14
Concen: 78.327 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

**Instrument :**
BNA_F
**ClientSampleId :**
G3(0-6)

Tgt Ion:244 Resp: 468131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.5 | 5.4 | 8.0 |
| 122 | 10.6 | 8.2 | 12.2 |

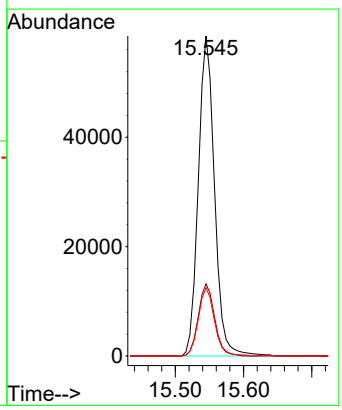



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

Tgt Ion:264 Resp: 96581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.6 | 18.1 | 27.1 |
| 265 | 21.3 | 16.6 | 25.0 |



Raw Data: **BF143057.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/01/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/01/25 |
| Client Sample ID: | G3(6-12) | SDG No.: | Q2489 |
| Lab Sample ID: | Q2489-04 | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BF143057.D | 1 | 07/07/25 11:15 | 07/09/25 15:28 | PB168750 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 12.8 | U | 12.8 | 50.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 5.30 | U | 5.30 | 50.0 | ug/L |
| 95-48-7 | 2-Methylphenol | 11.2 | U | 11.2 | 50.0 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 11.0 | U | 11.0 | 100 | ug/L |
| 67-72-1 | Hexachloroethane | 6.50 | U | 6.50 | 50.0 | ug/L |
| 98-95-3 | Nitrobenzene | 7.60 | U | 7.60 | 50.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 5.40 | U | 5.40 | 50.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 5.10 | U | 5.10 | 50.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 6.20 | U | 6.20 | 50.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 12.2 | U | 12.2 | 50.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | 5.20 | U | 5.20 | 50.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 15.8 | U | 15.8 | 100 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 117 | | 23 - 138 | 78% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 103 | | 10 - 134 | 69% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 85.6 | | 67 - 132 | 86% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 83.8 | | 52 - 132 | 84% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 138 | | 44 - 137 | 92% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 81.6 | | 42 - 152 | 82% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 48600 | 6.869 | | | |
| 1146-65-2 | Naphthalene-d8 | 183000 | 8.157 | | | |
| 15067-26-2 | Acenaphthene-d10 | 95900 | 9.91 | | | |
| 1517-22-2 | Phenanthrene-d10 | 161000 | 11.404 | | | |
| 1719-03-5 | Chrysene-d12 | 93400 | 14.051 | | | |
| 1520-96-3 | Perylene-d12 | 96300 | 15.545 | | | |

Raw Data: **BF143057.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/01/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/01/25 |
| Client Sample ID: | G3(6-12) | SDG No.: | Q2489 |
| Lab Sample ID: | Q2489-04 | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BF143057.D | 1 | 07/07/25 11:15 | 07/09/25 15:28 | PB168750 |

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

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

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

Sample Results: **BF143057.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143057.D
Acq On : 09 Jul 2025 15:28
Operator : RC/JU
Sample : Q2489-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
G3(6-12)

Quant Time: Jul 09 16:03:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.869 | 152 | 48610 | 20.000 | ng | -0.01 |
| 21) Naphthalene-d8 | 8.157 | 136 | 183226 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 95918 | 20.000 | ng | -0.01 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 160874 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.051 | 240 | 93406 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 96312 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 341401 | 116.932 | ng | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 354955 | 103.046 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 285940 | 85.599 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 136372 | 138.160 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 9.234 | 172 | 611602 | 83.764 | ng | -0.01 |
| 79) Terphenyl-d14 | 12.992 | 244 | 551342 | 81.557 | ng | 0.00 |

Target Compounds Qvalue

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

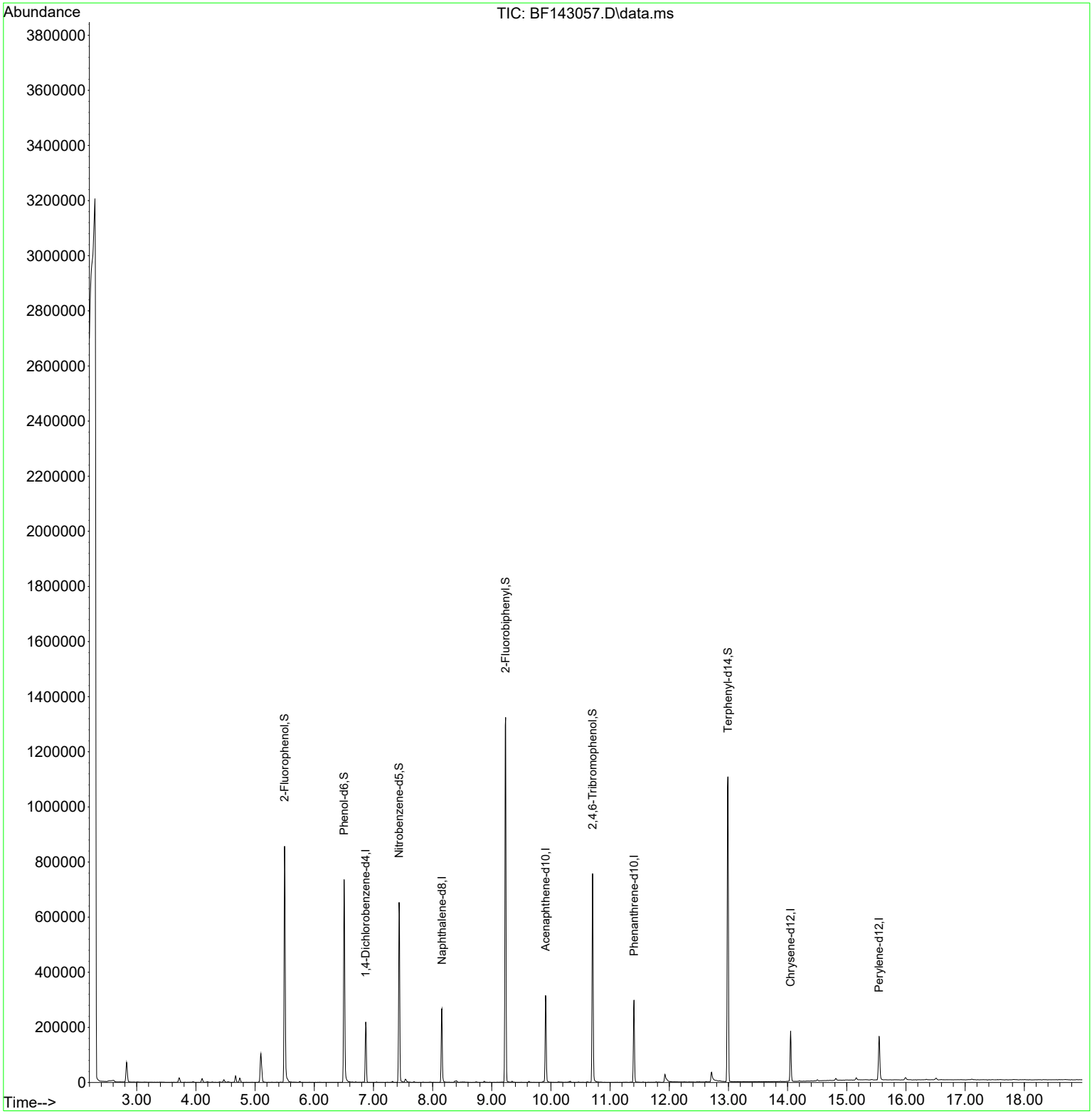
Quantitation Report (QT Reviewed)

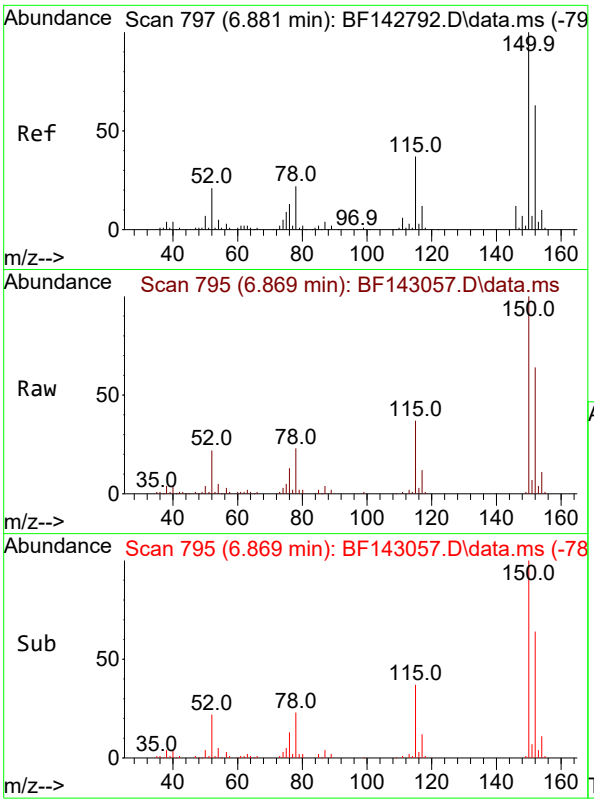
Sample Results: **BF143057.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143057.D
Acq On : 09 Jul 2025 15:28
Operator : RC/JU
Sample : Q2489-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
G3(6-12)

Quant Time: Jul 09 16:03:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



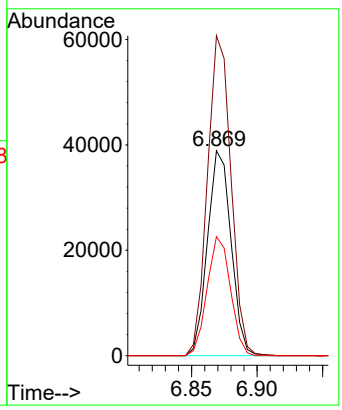


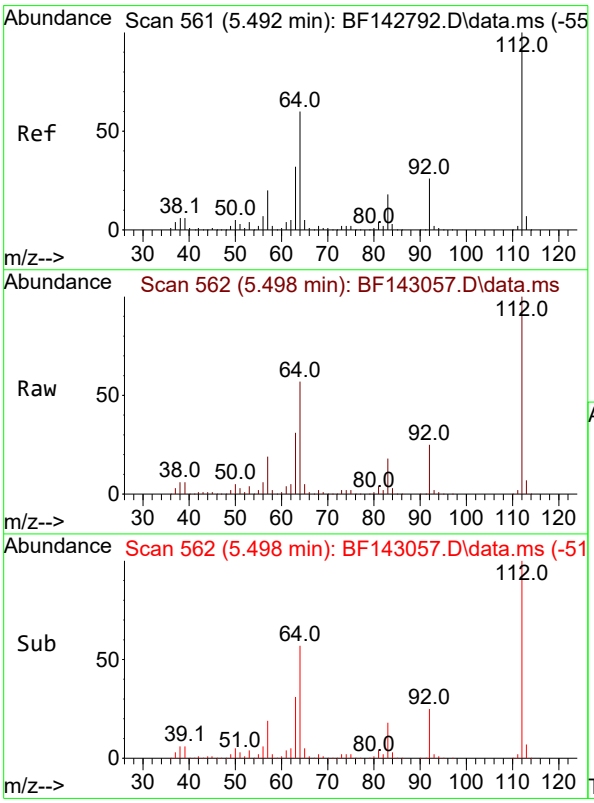

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143057.D
Acq: 09 Jul 2025 15:28

**Instrument :**
BNA_F
**ClientSampleId :**
G3(6-12)

Tgt Ion:152 Resp: 48610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.1 | 127.2 | 190.8 |
| 115 | 58.1 | 46.6 | 69.8 |

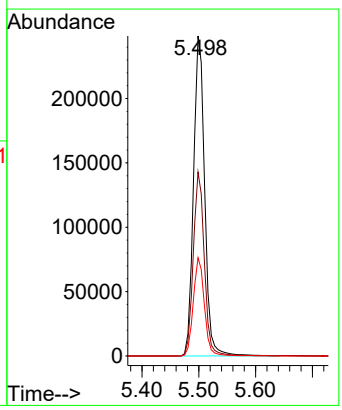


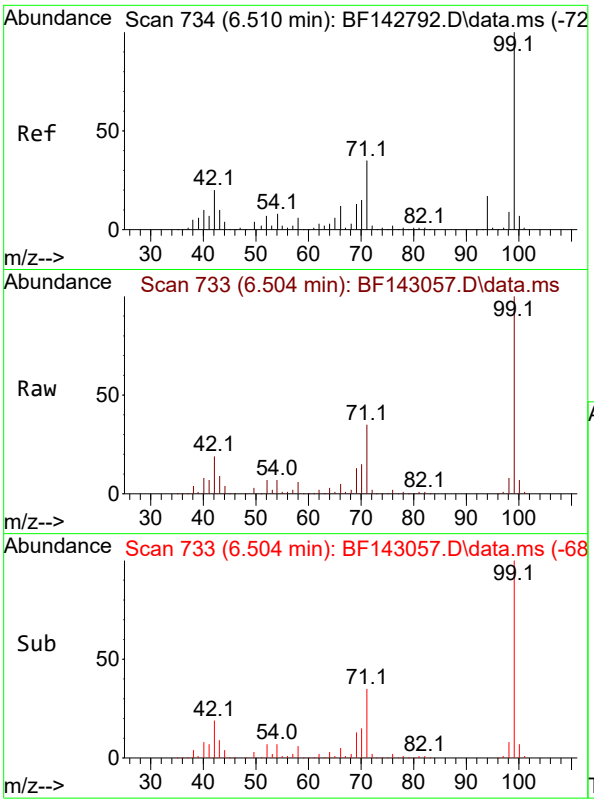




#5
2-Fluorophenol
Concen: 116.932 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF143057.D
Acq: 09 Jul 2025 15:28

Tgt Ion:112 Resp: 341401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.5 | 48.2 | 72.2 |
| 63 | 30.7 | 25.7 | 38.5 |



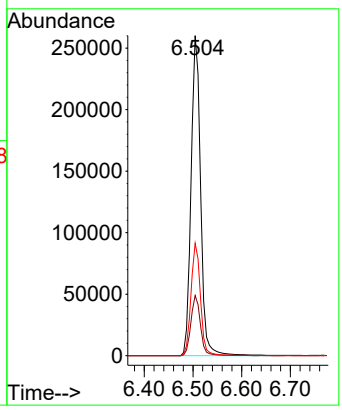


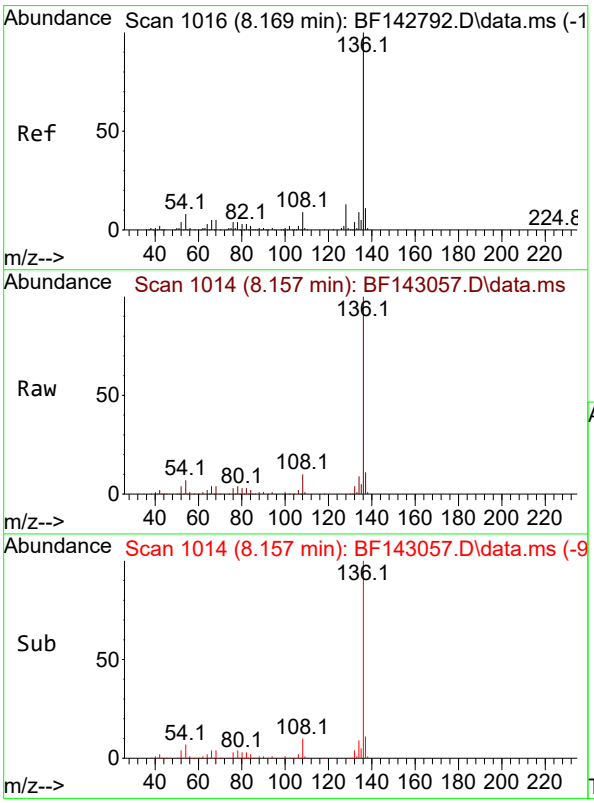

#7
Phenol-d6
Concen: 103.046 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143057.D
Acq: 09 Jul 2025 15:28

**Instrument :**
BNA_F
**ClientSampleId :**
G3(6-12)

Tgt Ion: 99 Resp: 354955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.8 | 15.9 | 23.9 |
| 71 | 35.1 | 27.8 | 41.8 |

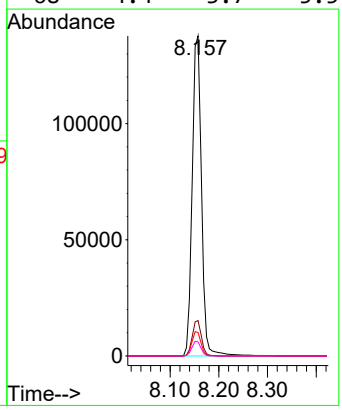


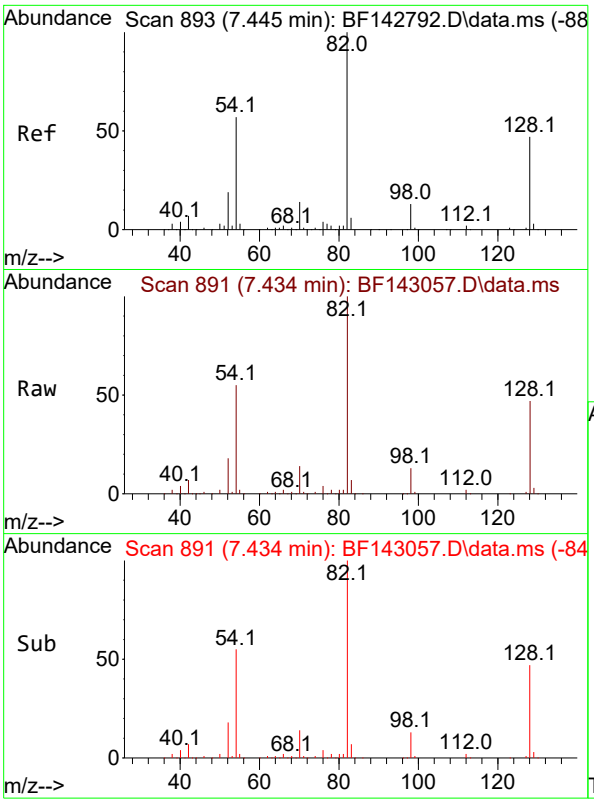




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143057.D
Acq: 09 Jul 2025 15:28

Tgt Ion:136 Resp: 183226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.4 | 12.6 |
| 54 | 7.3 | 6.3 | 9.5 |
| 68 | 4.4 | 3.7 | 5.5 |



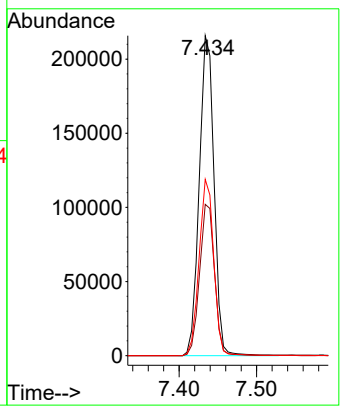


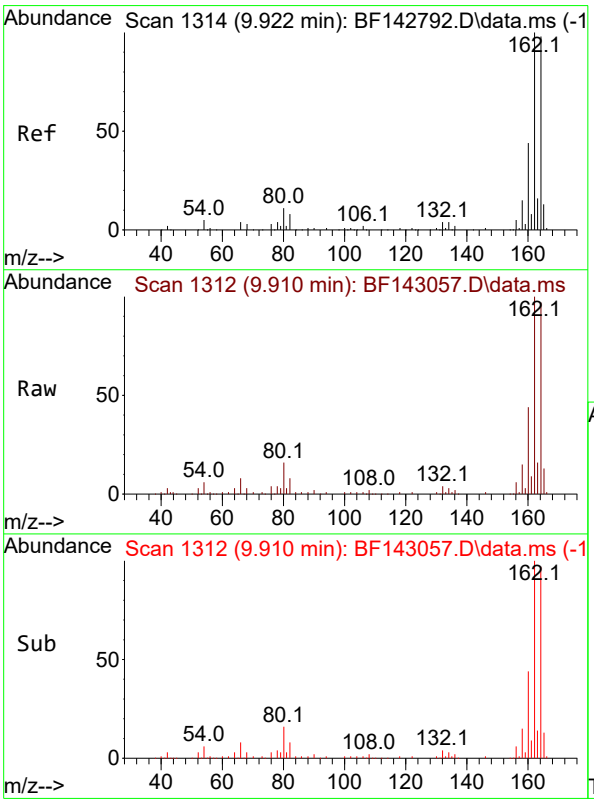

#23
Nitrobenzene-d5
Concen: 85.599 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF143057.D
Acq: 09 Jul 2025 15:28

**Instrument :**
BNA_F
**ClientSampleId :**
G3(6-12)

Tgt Ion: 82 Resp: 285940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.3 | 37.7 | 56.5 |
| 54 | 55.1 | 45.7 | 68.5 |

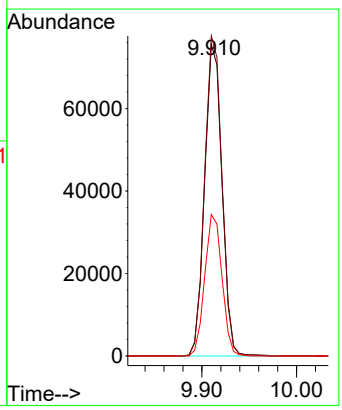


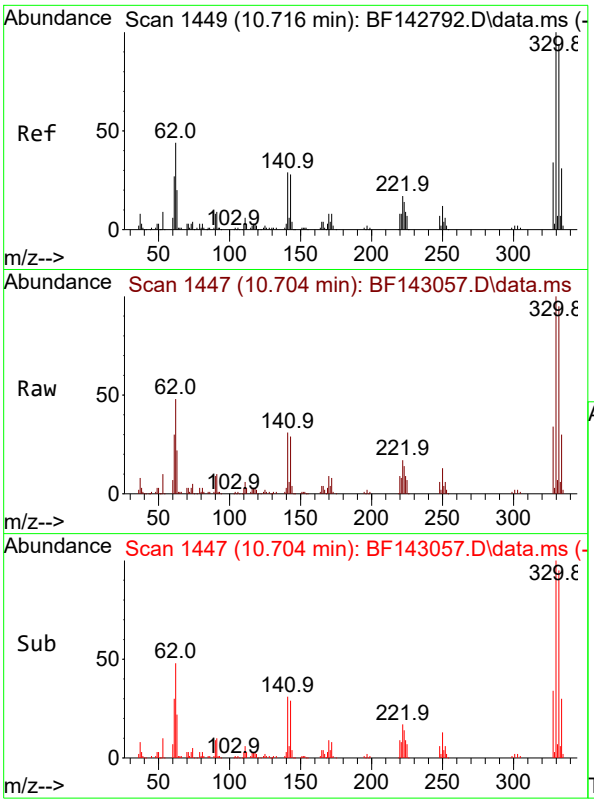




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF143057.D
Acq: 09 Jul 2025 15:28

Tgt Ion:164 Resp: 95918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.7 | 81.8 | 122.8 |
| 160 | 45.4 | 36.0 | 54.0 |



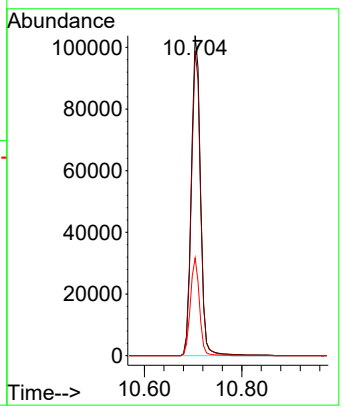


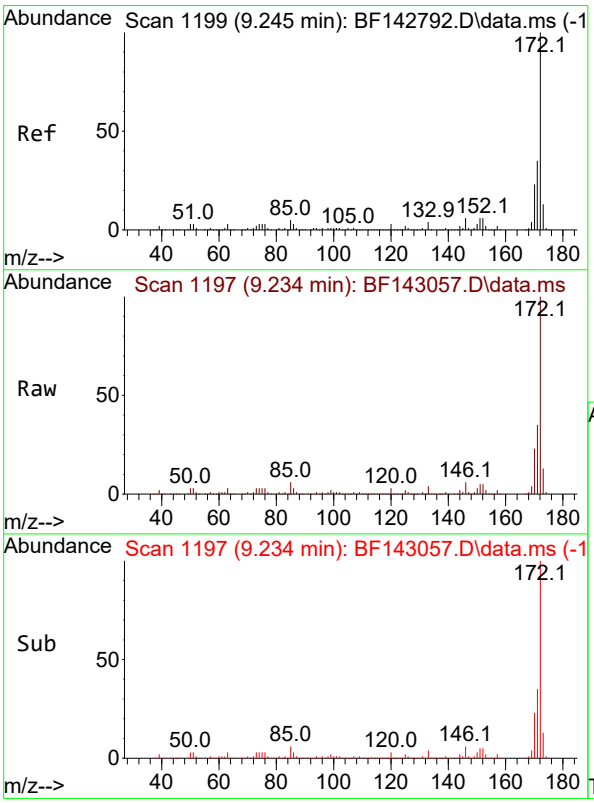

#42
2,4,6-Tribromophenol
Concen: 138.160 ng
RT: 10.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143057.D
Acq: 09 Jul 2025 15:28

**Instrument :**
BNA_F
**ClientSampleId :**
G3(6-12)

Tgt Ion:330 Resp: 136372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.3 | 75.0 | 112.6 |
| 141 | 30.0 | 25.3 | 37.9 |

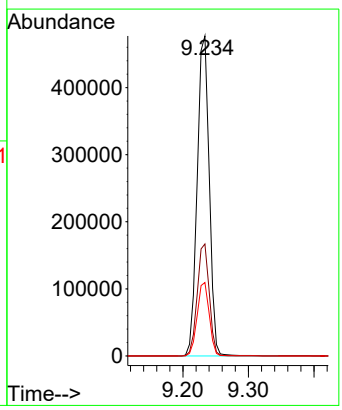


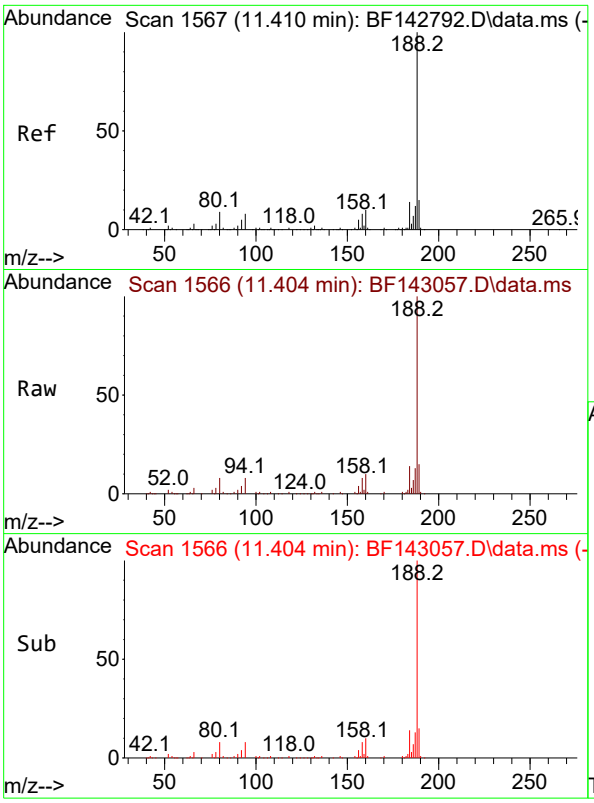




#45
2-Fluorobiphenyl
Concen: 83.764 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF143057.D
Acq: 09 Jul 2025 15:28

Tgt Ion:172 Resp: 611602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.0 | 28.2 | 42.4 |
| 170 | 23.0 | 18.5 | 27.7 |



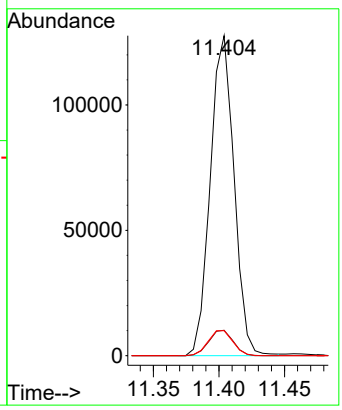


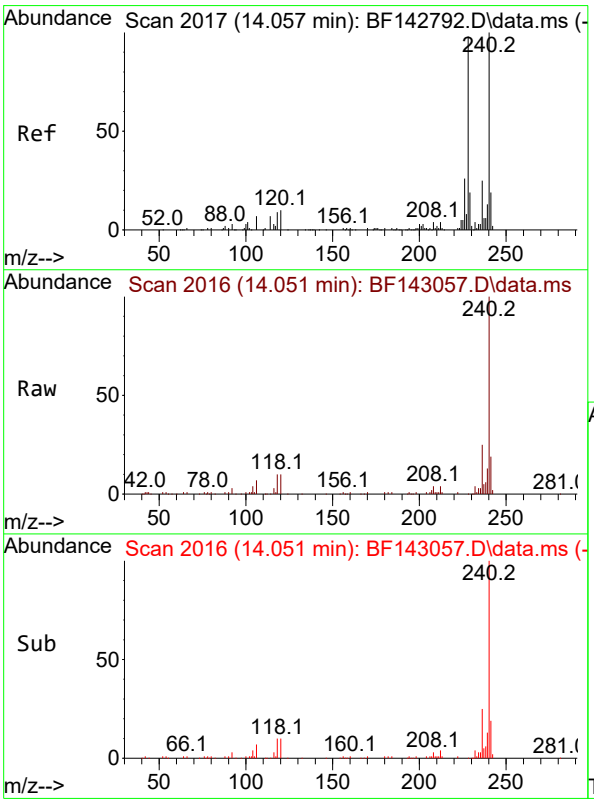

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143057.D
Acq: 09 Jul 2025 15:28

**Instrument :**
BNA_F
**ClientSampleId :**
G3(6-12)

Tgt Ion:188 Resp: 160874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.0 | 6.7 | 10.1 |
| 80 | 7.8 | 6.9 | 10.3 |

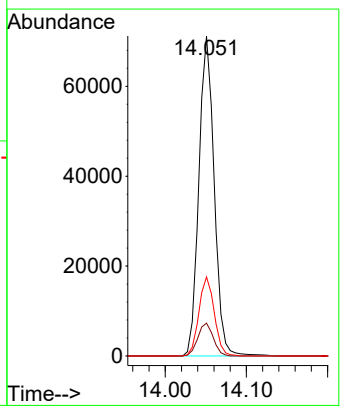


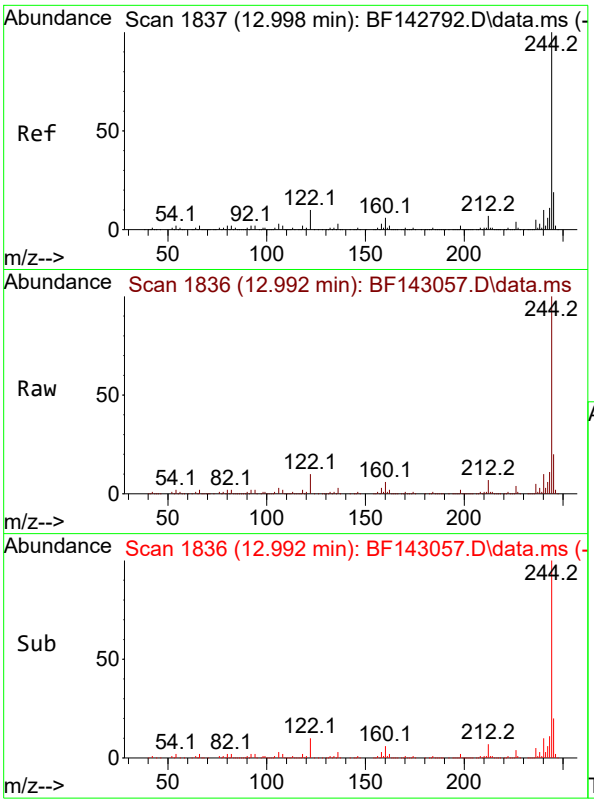




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143057.D
Acq: 09 Jul 2025 15:28

Tgt Ion:240 Resp: 93406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.3 | 8.2 | 12.2 |
| 236 | 24.7 | 19.8 | 29.8 |



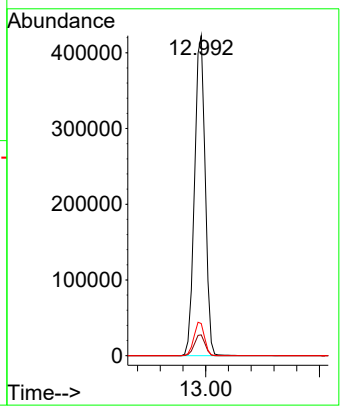


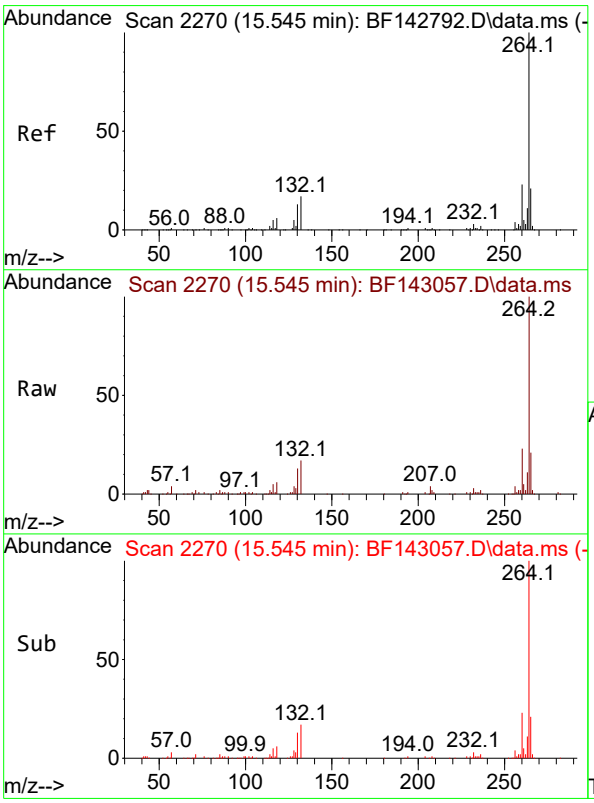

#79
Terphenyl-d14
Concen: 81.557 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143057.D
Acq: 09 Jul 2025 15:28

**Instrument :**
BNA_F
**ClientSampleId :**
G3(6-12)

Tgt Ion:244 Resp: 551342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.5 | 5.4 | 8.0 |
| 122 | 10.0 | 8.2 | 12.2 |

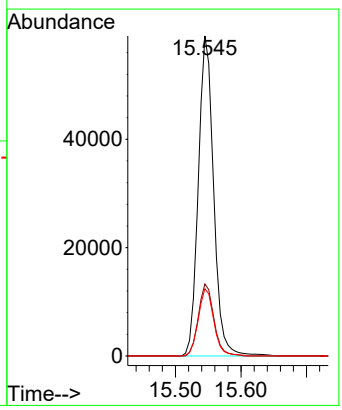



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143057.D
Acq: 09 Jul 2025 15:28

Tgt Ion:264 Resp: 96312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.5 | 18.1 | 27.1 |
| 265 | 21.0 | 16.6 | 25.0 |



Raw Data: **BF143058.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/01/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/01/25 |
| Client Sample ID: | G2(0-6) | SDG No.: | Q2489 |
| Lab Sample ID: | Q2489-05 | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BF143058.D | 1 | 07/07/25 11:15 | 07/09/25 15:59 | PB168750 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 12.8 | U | 12.8 | 50.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 5.30 | U | 5.30 | 50.0 | ug/L |
| 95-48-7 | 2-Methylphenol | 11.2 | U | 11.2 | 50.0 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 11.0 | U | 11.0 | 100 | ug/L |
| 67-72-1 | Hexachloroethane | 6.50 | U | 6.50 | 50.0 | ug/L |
| 98-95-3 | Nitrobenzene | 7.60 | U | 7.60 | 50.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 5.40 | U | 5.40 | 50.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 5.10 | U | 5.10 | 50.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 6.20 | U | 6.20 | 50.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 12.2 | U | 12.2 | 50.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | 5.20 | U | 5.20 | 50.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 15.8 | U | 15.8 | 100 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 117 | | 23 - 138 | 78% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 102 | | 10 - 134 | 68% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 84.4 | | 67 - 132 | 84% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 81.0 | | 52 - 132 | 81% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 134 | | 44 - 137 | 89% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 81.0 | | 42 - 152 | 81% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 48700 | 6.869 | | | |
| 1146-65-2 | Naphthalene-d8 | 185000 | 8.157 | | | |
| 15067-26-2 | Acenaphthene-d10 | 97400 | 9.91 | | | |
| 1517-22-2 | Phenanthrene-d10 | 160000 | 11.404 | | | |
| 1719-03-5 | Chrysene-d12 | 99400 | 14.051 | | | |
| 1520-96-3 | Perylene-d12 | 100000 | 15.545 | | | |

Raw Data: **BF143058.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/01/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/01/25 |
| Client Sample ID: | G2(0-6) | SDG No.: | Q2489 |
| Lab Sample ID: | Q2489-05 | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BF143058.D | 1 | 07/07/25 11:15 | 07/09/25 15:59 | PB168750 |

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

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

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

Sample Results: **BF143058.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143058.D
Acq On : 09 Jul 2025 15:59
Operator : RC/JU
Sample : Q2489-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
G2(0-6)

Quant Time: Jul 09 16:22:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.869 | 152 | 48749 | 20.000 | ng | -0.01 |
| 21) Naphthalene-d8 | 8.157 | 136 | 184584 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 97408 | 20.000 | ng | -0.01 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 160012 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.051 | 240 | 99422 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 100116 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 341981 | 116.797 | ng | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 351969 | 101.888 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 283935 | 84.374 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 133981 | 133.661 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 600776 | 81.022 | ng | -0.01 |
| 79) Terphenyl-d14 | 12.992 | 244 | 582738 | 80.985 | ng | 0.00 |

Target Compounds Qvalue

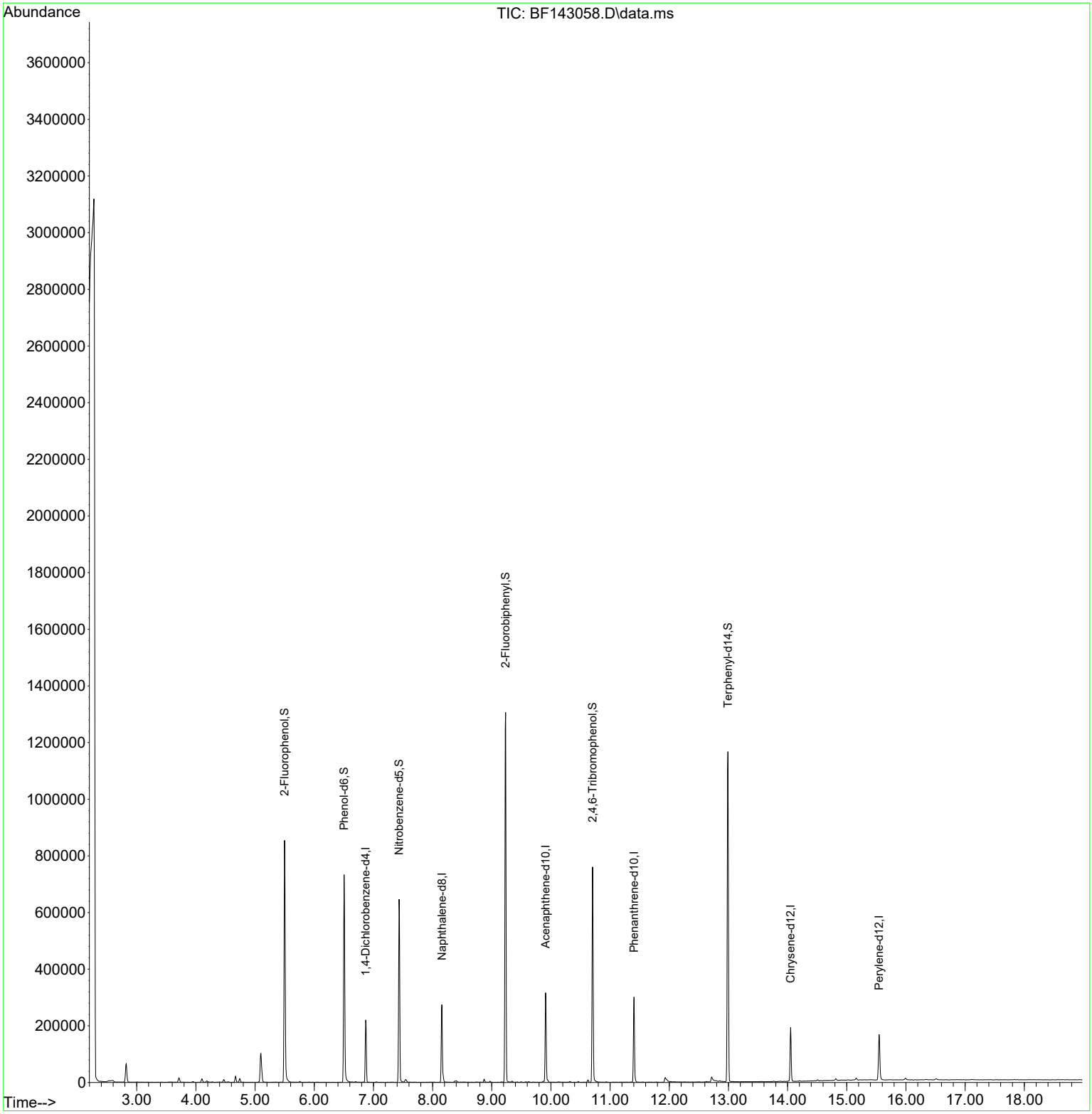
(#) = qualifier out of range (m) = manual integration (+) = signals summed

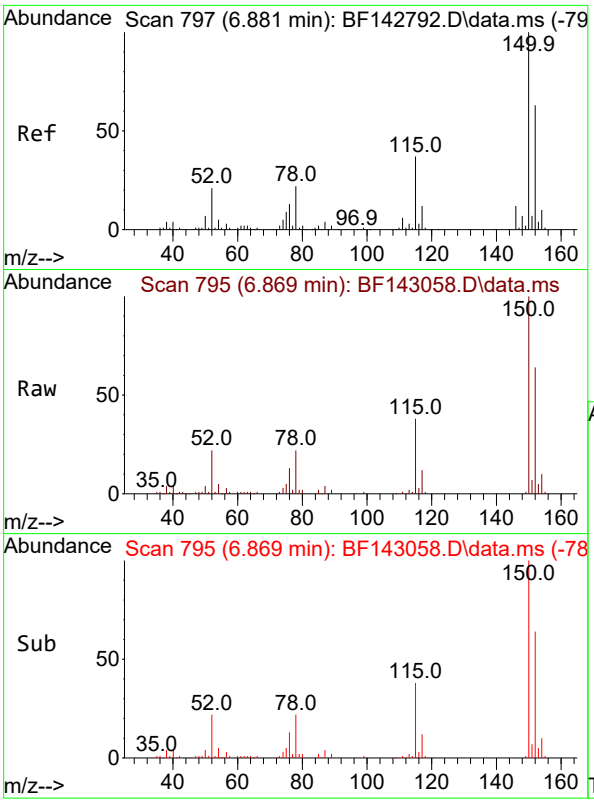
Sample Results: **BF143058.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143058.D
Acq On : 09 Jul 2025 15:59
Operator : RC/JU
Sample : Q2489-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
G2(0-6)

Quant Time: Jul 09 16:22:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



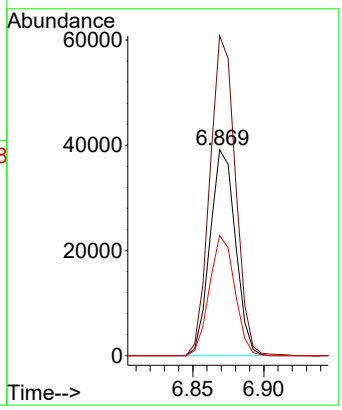


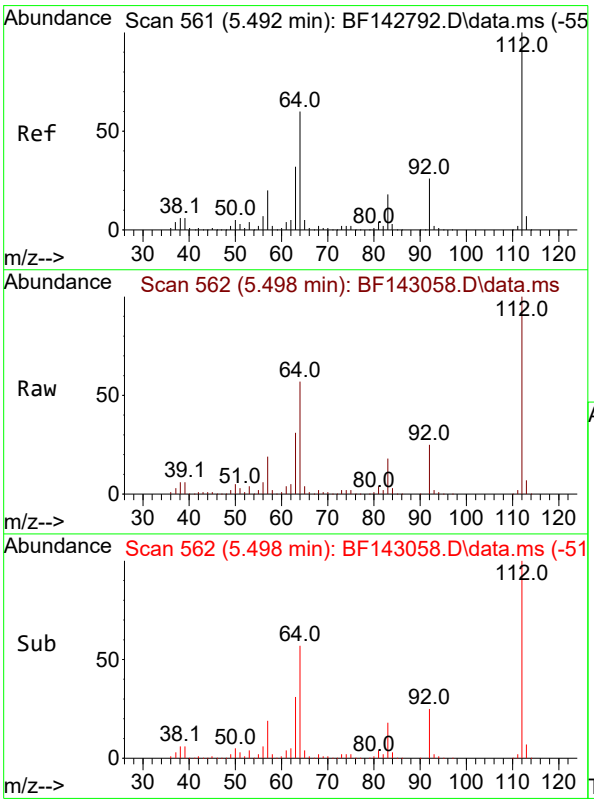

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143058.D
Acq: 09 Jul 2025 15:59

**Instrument :**
BNA_F
**ClientSampleId :**
G2(0-6)

Tgt Ion:152 Resp: 48749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.4 | 127.2 | 190.8 |
| 115 | 58.5 | 46.6 | 69.8 |

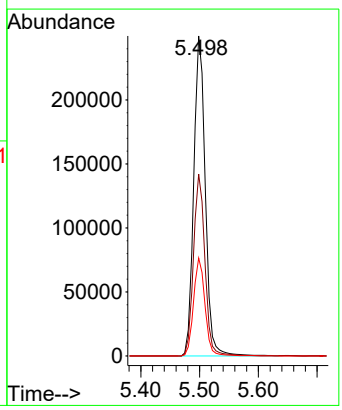


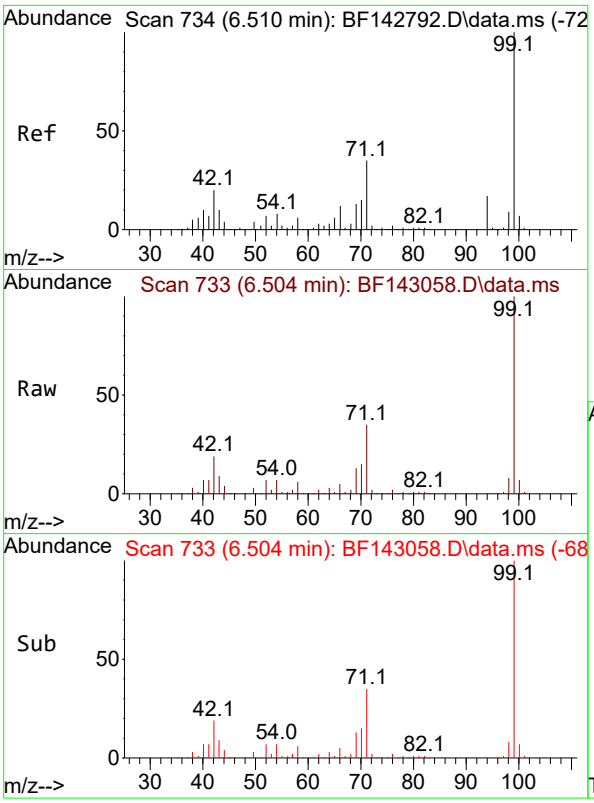




#5
2-Fluorophenol
Concen: 116.797 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF143058.D
Acq: 09 Jul 2025 15:59

Tgt Ion:112 Resp: 341981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.8 | 48.2 | 72.2 |
| 63 | 30.6 | 25.7 | 38.5 |



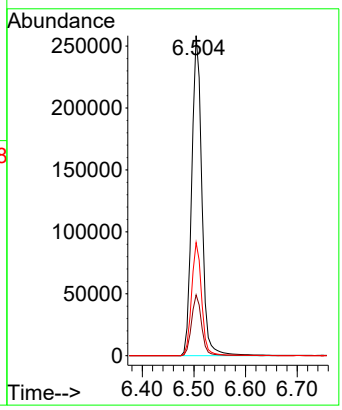


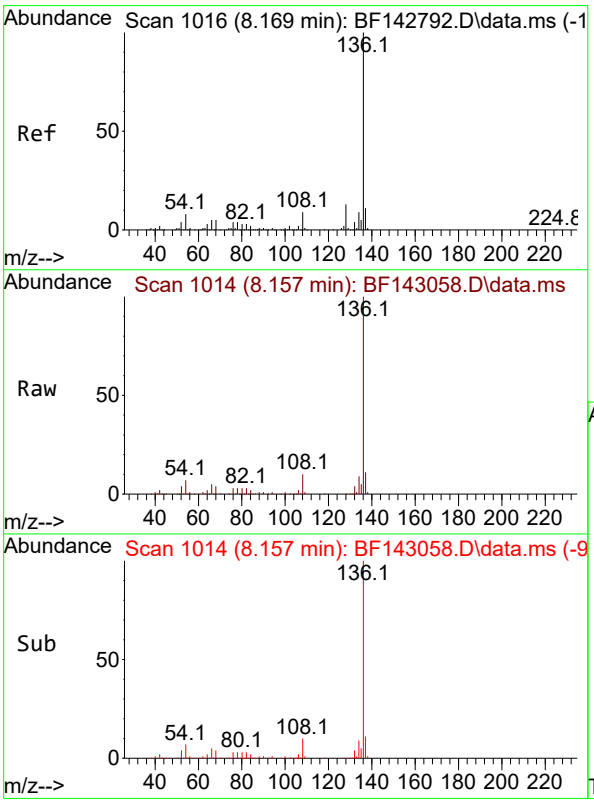

#7
Phenol-d6
Concen: 101.888 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143058.D
Acq: 09 Jul 2025 15:59

**Instrument :**
BNA_F
**ClientSampleId :**
G2(0-6)

Tgt Ion: 99 Resp: 351969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.0 | 15.9 | 23.9 |
| 71 | 35.4 | 27.8 | 41.8 |

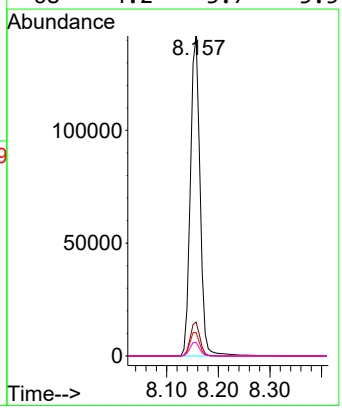


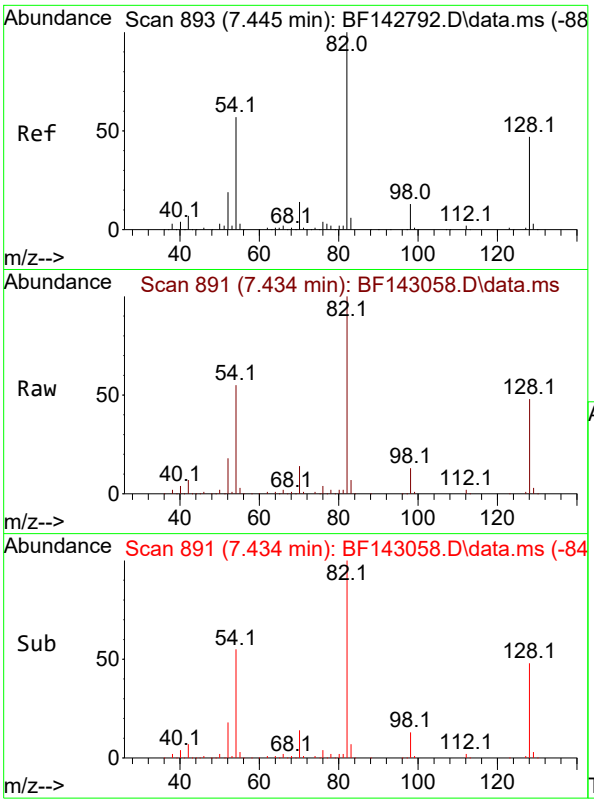




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143058.D
Acq: 09 Jul 2025 15:59

Tgt Ion:136 Resp: 184584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.4 | 12.6 |
| 54 | 7.3 | 6.3 | 9.5 |
| 68 | 4.2 | 3.7 | 5.5 |



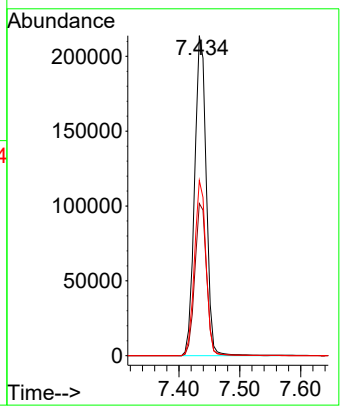


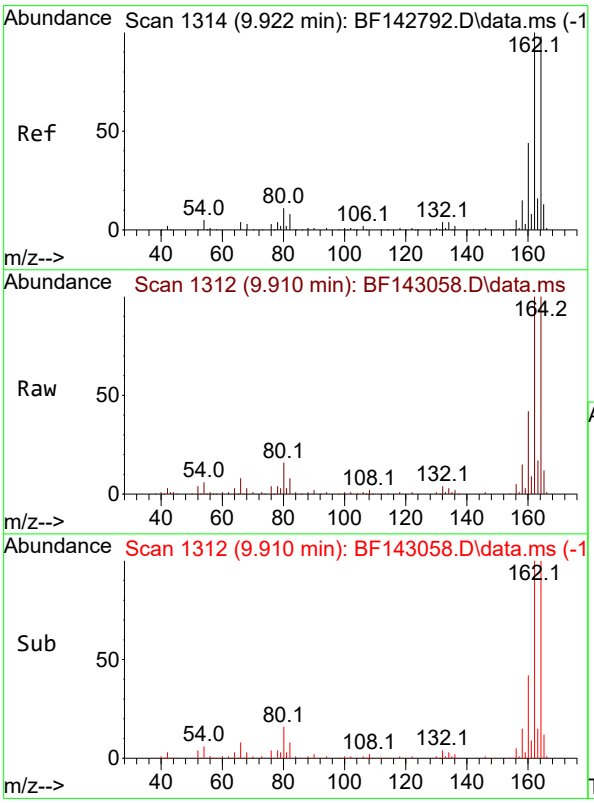

#23
Nitrobenzene-d5
Concen: 84.374 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF143058.D
Acq: 09 Jul 2025 15:59

**Instrument :**
BNA_F
**ClientSampleId :**
G2(0-6)

Tgt Ion: 82 Resp: 283935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.6 | 37.7 | 56.5 |
| 54 | 54.8 | 45.7 | 68.5 |

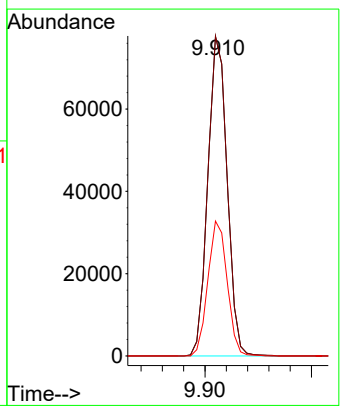


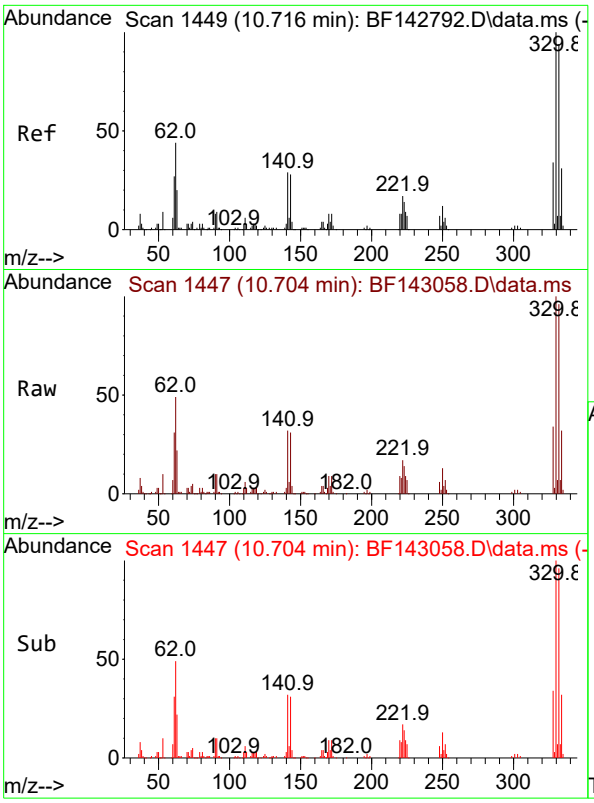




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF143058.D
Acq: 09 Jul 2025 15:59

Tgt Ion:164 Resp: 97408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.2 | 81.8 | 122.8 |
| 160 | 42.2 | 36.0 | 54.0 |



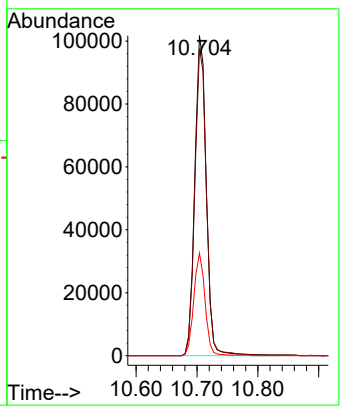


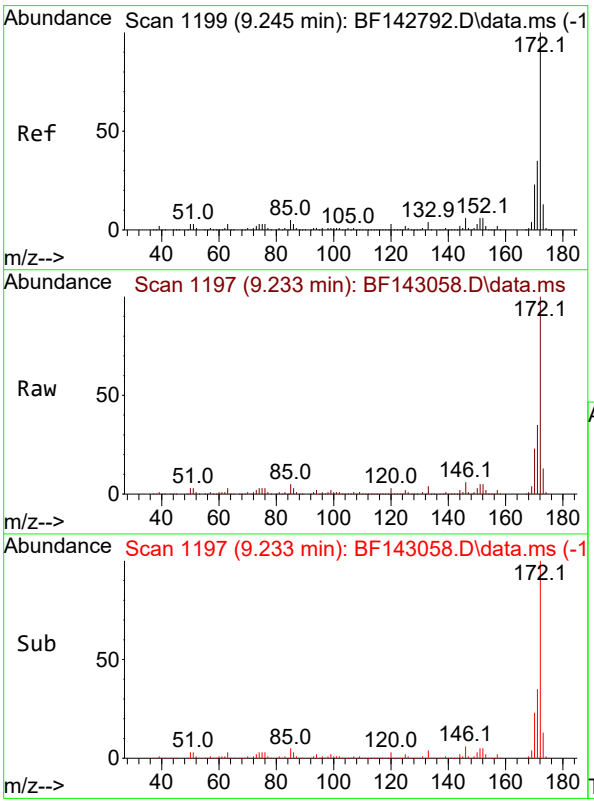

#42
2,4,6-Tribromophenol
Concen: 133.661 ng
RT: 10.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143058.D
Acq: 09 Jul 2025 15:59

**Instrument :**
BNA_F
**ClientSampleId :**
G2(0-6)

Tgt Ion:330 Resp: 133981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 75.0 | 112.6 |
| 141 | 31.4 | 25.3 | 37.9 |

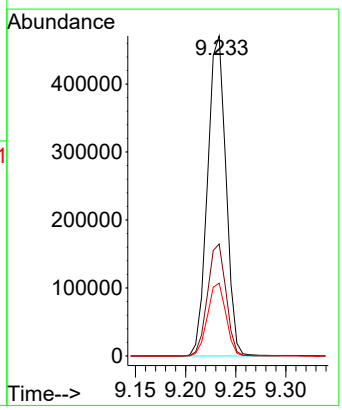


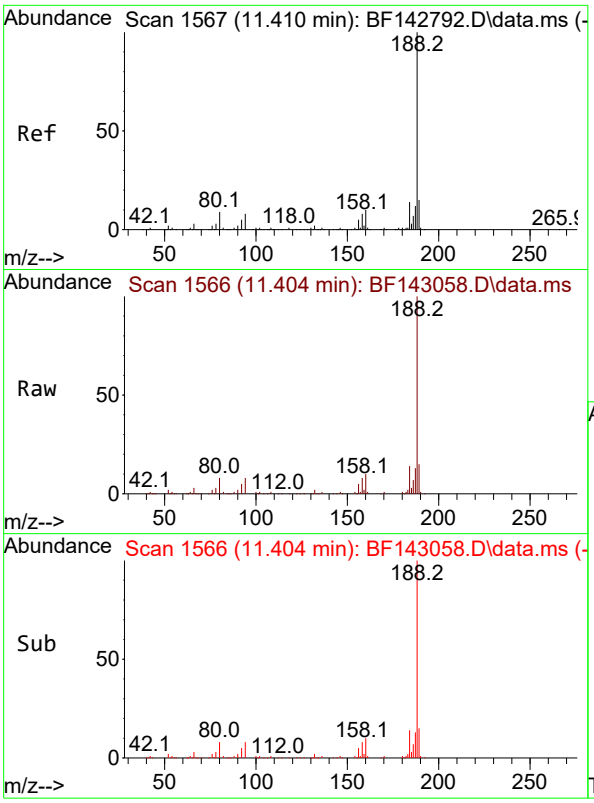




#45
2-Fluorobiphenyl
Concen: 81.022 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF143058.D
Acq: 09 Jul 2025 15:59

Tgt Ion:172 Resp: 600776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.0 | 28.2 | 42.4 |
| 170 | 22.8 | 18.5 | 27.7 |



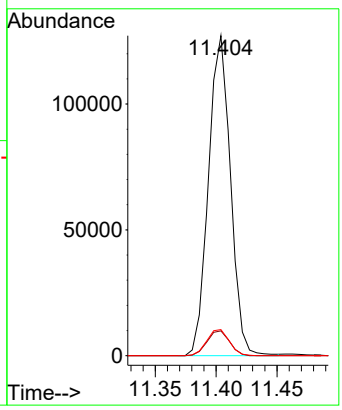


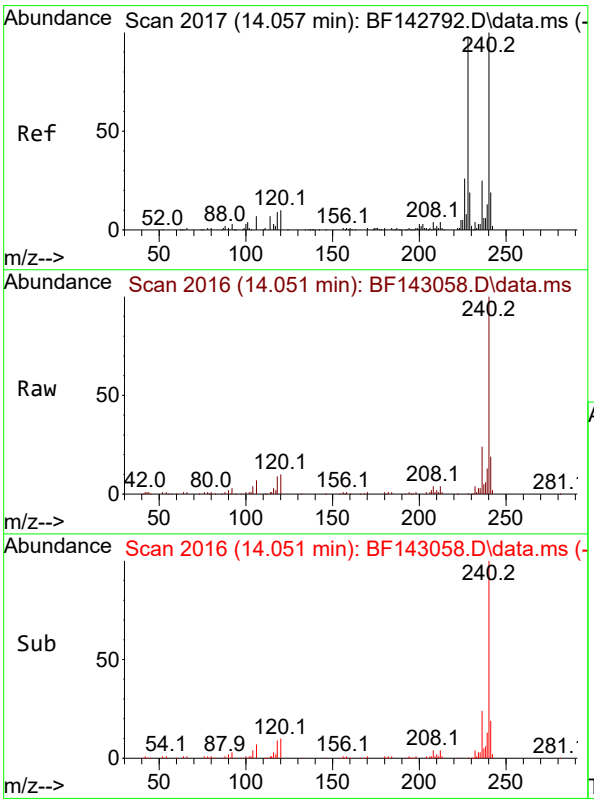

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143058.D
Acq: 09 Jul 2025 15:59

**Instrument :**
BNA_F
**ClientSampleId :**
G2(0-6)

Tgt Ion:188 Resp: 160012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.8 | 6.7 | 10.1 |
| 80 | 8.1 | 6.9 | 10.3 |

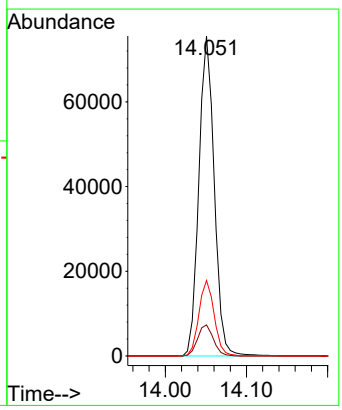


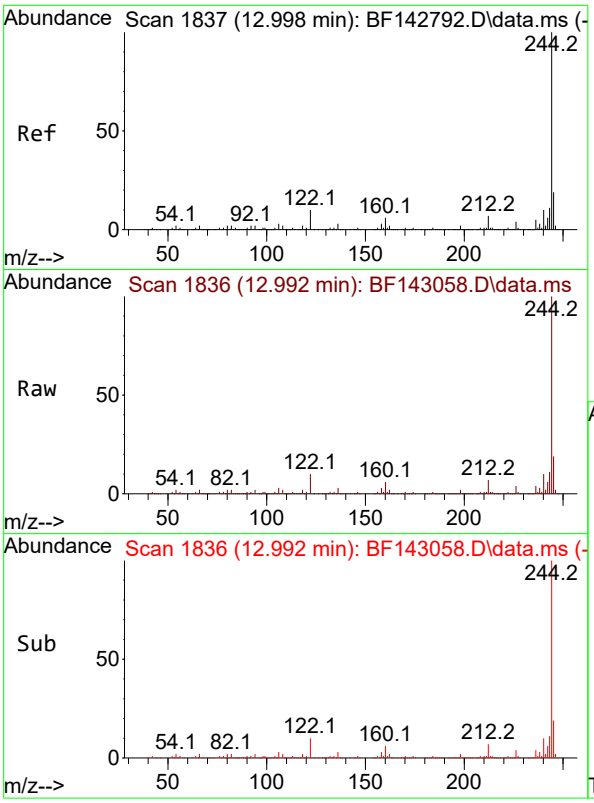




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143058.D
Acq: 09 Jul 2025 15:59

Tgt Ion:240 Resp: 99422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.7 | 8.2 | 12.2 |
| 236 | 23.6 | 19.8 | 29.8 |



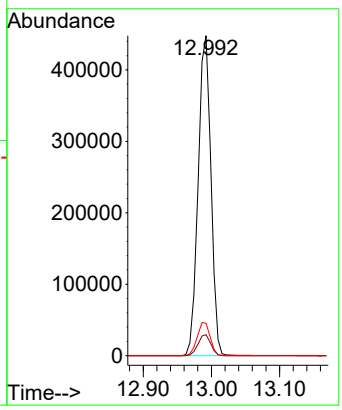


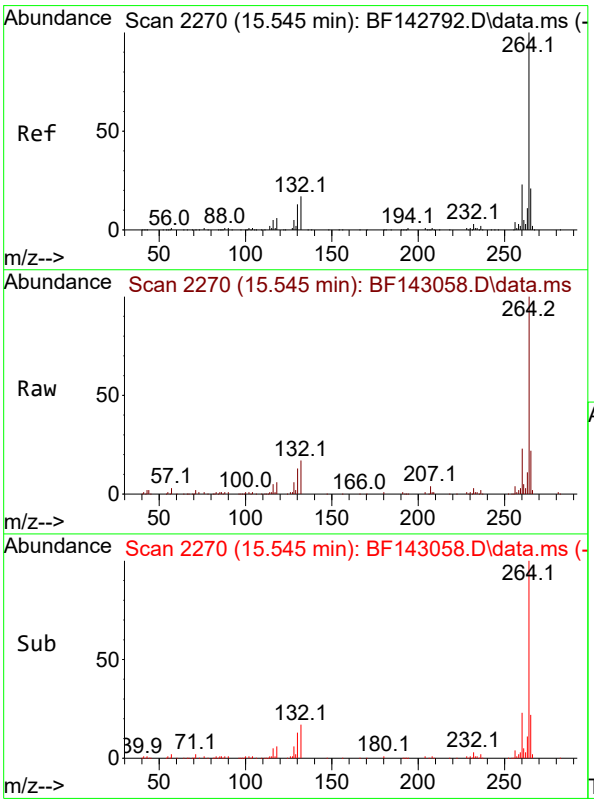

#79
Terphenyl-d14
Concen: 80.985 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143058.D
Acq: 09 Jul 2025 15:59

**Instrument :**
BNA_F
**ClientSampleId :**
G2(0-6)

Tgt Ion:244 Resp: 582738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.5 | 5.4 | 8.0 |
| 122 | 10.1 | 8.2 | 12.2 |

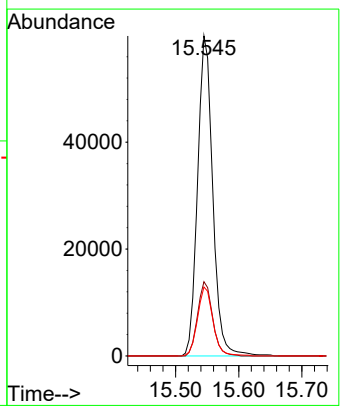



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143058.D
Acq: 09 Jul 2025 15:59

Tgt Ion:264 Resp: 100116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.1 | 27.1 |
| 265 | 21.6 | 16.6 | 25.0 |



Raw Data: **BF143053.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/01/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/01/25 |
| Client Sample ID: | G2(6-12) | SDG No.: | Q2489 |
| Lab Sample ID: | Q2489-06 | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BF143053.D | 1 | 07/07/25 11:15 | 07/09/25 13:27 | PB168750 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 12.8 | U | 12.8 | 50.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 5.30 | U | 5.30 | 50.0 | ug/L |
| 95-48-7 | 2-Methylphenol | 11.2 | U | 11.2 | 50.0 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 11.0 | U | 11.0 | 100 | ug/L |
| 67-72-1 | Hexachloroethane | 6.50 | U | 6.50 | 50.0 | ug/L |
| 98-95-3 | Nitrobenzene | 7.60 | U | 7.60 | 50.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 5.40 | U | 5.40 | 50.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 5.10 | U | 5.10 | 50.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 6.20 | U | 6.20 | 50.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 12.2 | U | 12.2 | 50.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | 5.20 | U | 5.20 | 50.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 15.8 | U | 15.8 | 100 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 118 | | 23 - 138 | 79% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 102 | | 10 - 134 | 68% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 86.3 | | 67 - 132 | 86% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 85.5 | | 52 - 132 | 86% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 138 | | 44 - 137 | 92% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 78.7 | | 42 - 152 | 79% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 47500 | 6.869 | | | |
| 1146-65-2 | Naphthalene-d8 | 178000 | 8.157 | | | |
| 15067-26-2 | Acenaphthene-d10 | 89900 | 9.91 | | | |
| 1517-22-2 | Phenanthrene-d10 | 144000 | 11.404 | | | |
| 1719-03-5 | Chrysene-d12 | 84400 | 14.051 | | | |
| 1520-96-3 | Perylene-d12 | 99400 | 15.545 | | | |

Raw Data: **BF143053.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/01/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/01/25 |
| Client Sample ID: | G2(6-12) | SDG No.: | Q2489 |
| Lab Sample ID: | Q2489-06 | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BF143053.D | 1 | 07/07/25 11:15 | 07/09/25 13:27 | PB168750 |

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

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

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

Sample Results: **BF143053.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143053.D
Acq On : 09 Jul 2025 13:27
Operator : RC/JU
Sample : Q2489-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
G2(6-12)

Quant Time: Jul 09 13:53:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.869 | 152 | 47477 | 20.000 | ng | -0.01 |
| 21) Naphthalene-d8 | 8.157 | 136 | 177768 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 89876 | 20.000 | ng | -0.01 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 143550 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.051 | 240 | 84373 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 99394 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 337710 | 118.428 | ng | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 343773 | 102.182 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 279571 | 86.262 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 127228 | 137.561 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 585030 | 85.511 | ng | -0.01 |
| 79) Terphenyl-d14 | 12.992 | 244 | 480616 | 78.706 | ng | 0.00 |

Target Compounds Qvalue

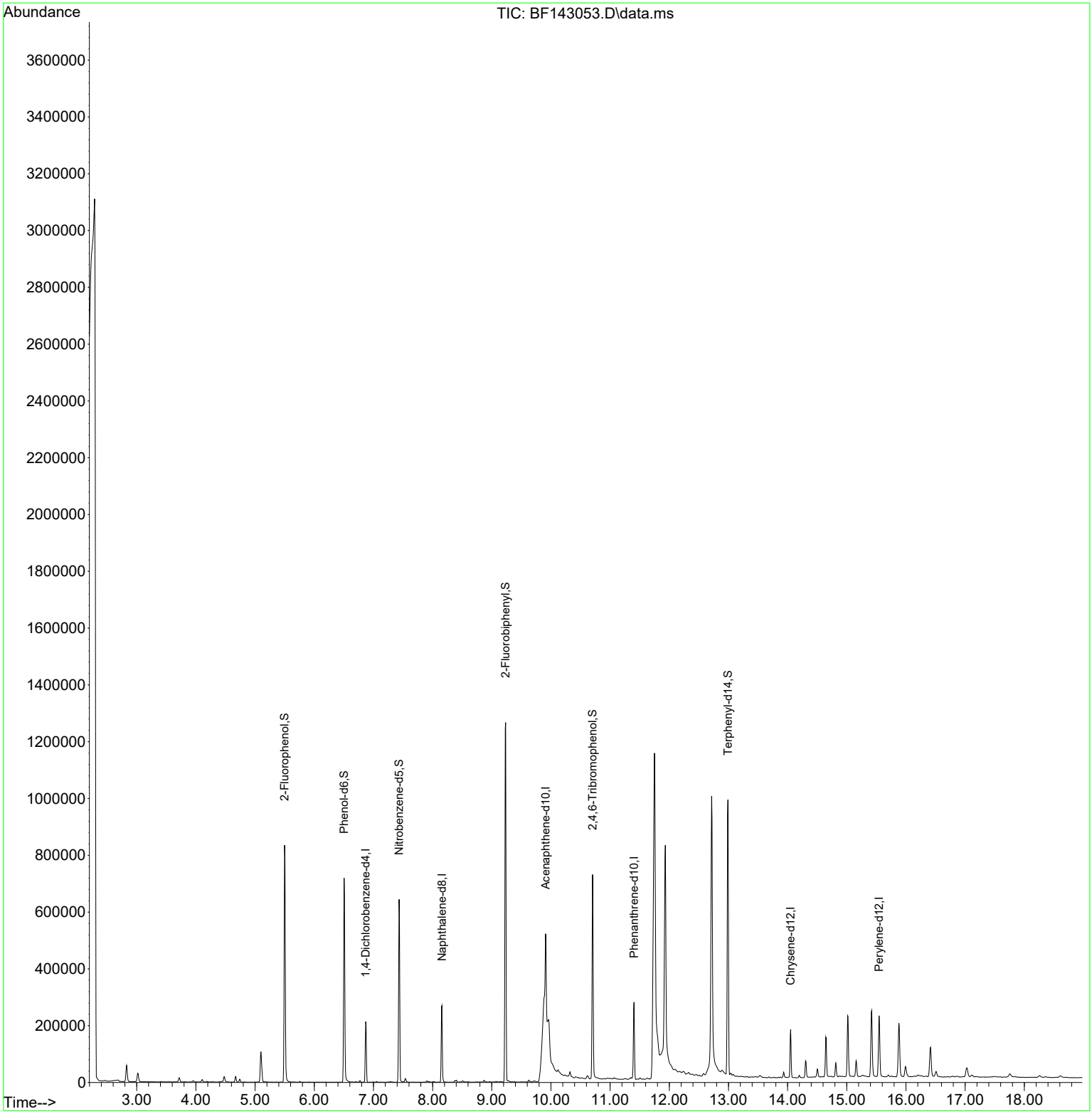
(#) = qualifier out of range (m) = manual integration (+) = signals summed

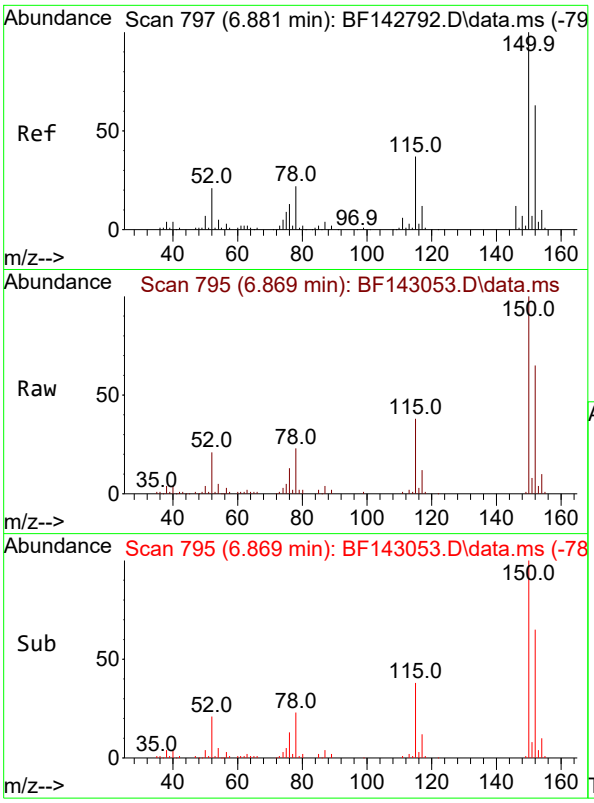
Sample Results: **BF143053.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143053.D
Acq On : 09 Jul 2025 13:27
Operator : RC/JU
Sample : Q2489-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
G2(6-12)

Quant Time: Jul 09 13:53:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



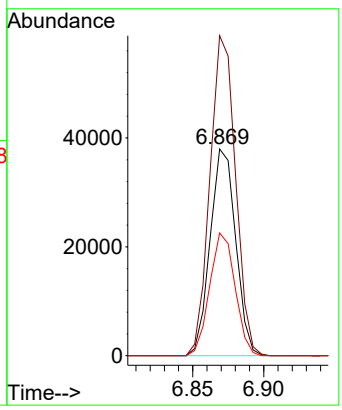


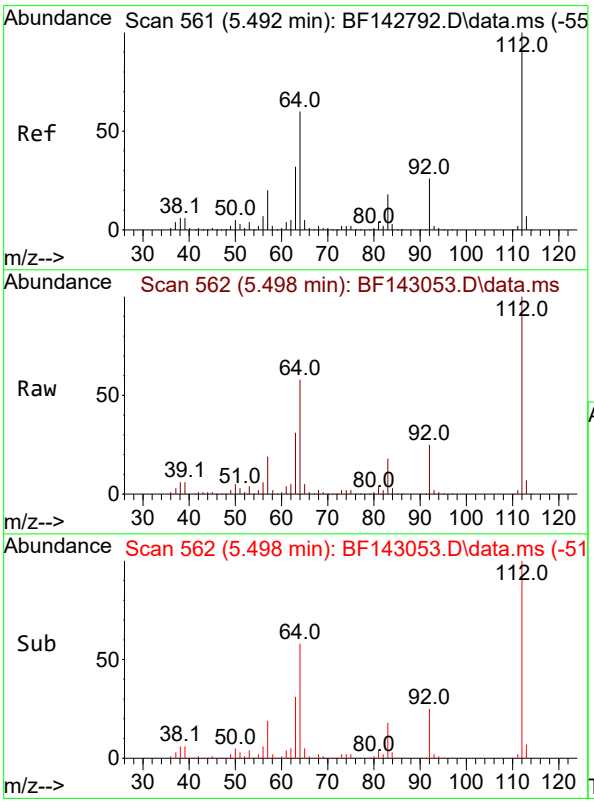

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143053.D
Acq: 09 Jul 2025 13:27

**Instrument :**
BNA_F
**ClientSampleId :**
G2(6-12)

Tgt Ion:152 Resp: 47477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.7 | 127.2 | 190.8 |
| 115 | 59.3 | 46.6 | 69.8 |

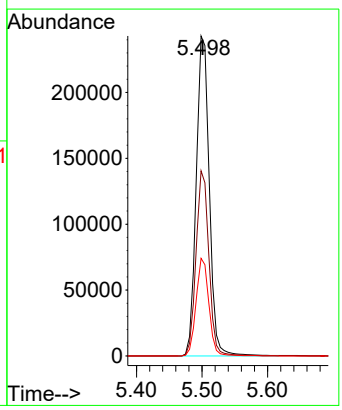


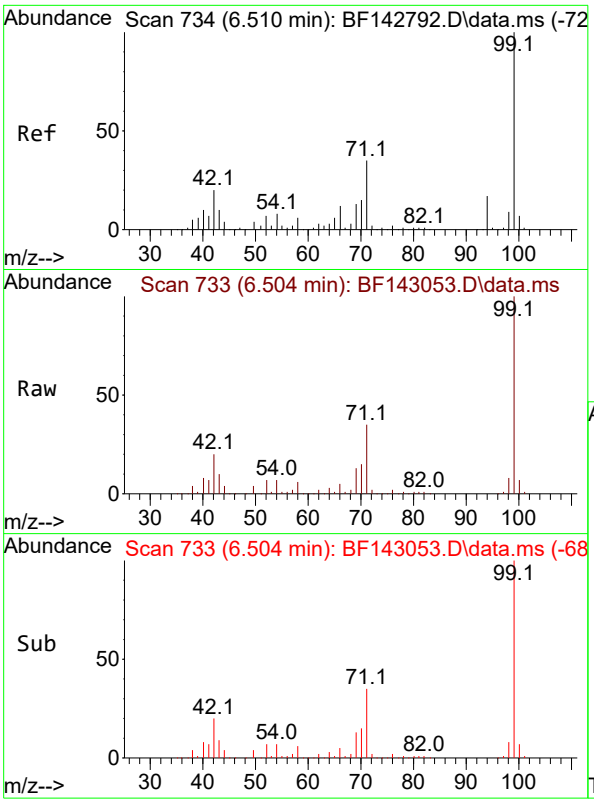




#5
2-Fluorophenol
Concen: 118.428 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF143053.D
Acq: 09 Jul 2025 13:27

Tgt Ion:112 Resp: 337710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.9 | 48.2 | 72.2 |
| 63 | 30.5 | 25.7 | 38.5 |



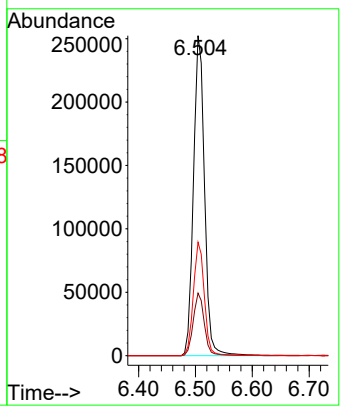


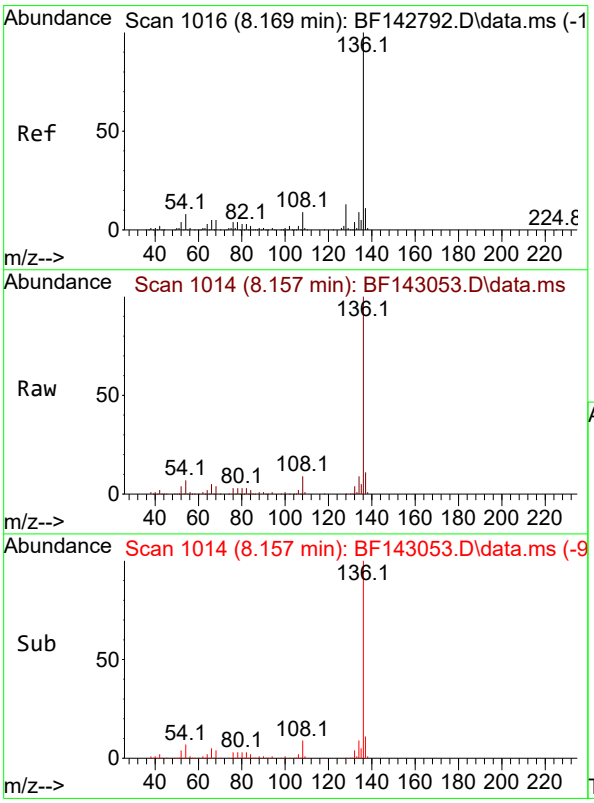

#7
Phenol-d6
Concen: 102.182 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143053.D
Acq: 09 Jul 2025 13:27

**Instrument :**
BNA_F
**ClientSampleId :**
G2(6-12)

Tgt Ion: 99 Resp: 343773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.5 | 15.9 | 23.9 |
| 71 | 35.4 | 27.8 | 41.8 |

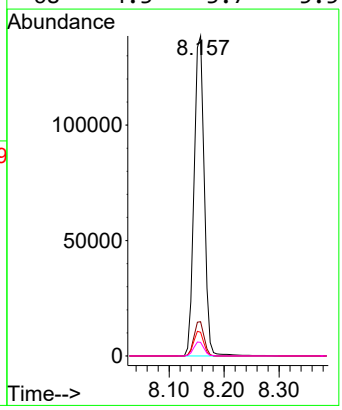


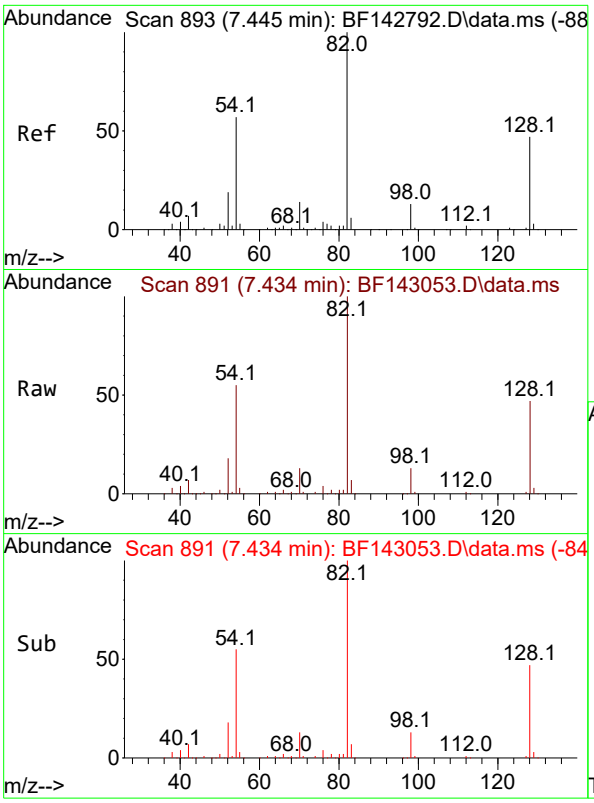




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143053.D
Acq: 09 Jul 2025 13:27

Tgt Ion:136 Resp: 177768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.4 | 12.6 |
| 54 | 7.4 | 6.3 | 9.5 |
| 68 | 4.3 | 3.7 | 5.5 |



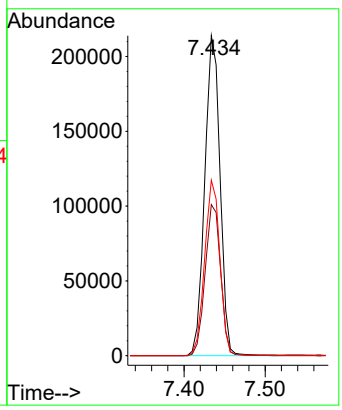


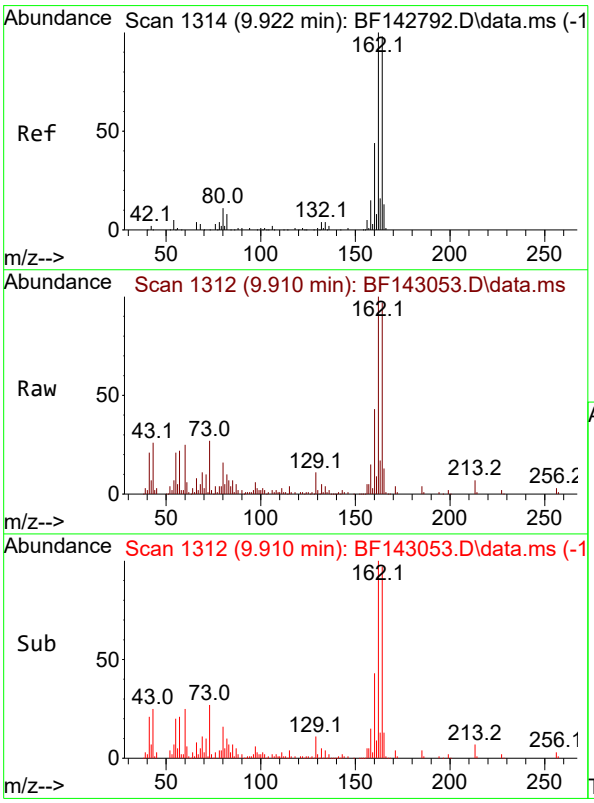

#23
Nitrobenzene-d5
Concen: 86.262 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF143053.D
Acq: 09 Jul 2025 13:27

**Instrument :**
BNA_F
**ClientSampleId :**
G2(6-12)

Tgt Ion: 82 Resp: 279571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.2 | 37.7 | 56.5 |
| 54 | 54.9 | 45.7 | 68.5 |

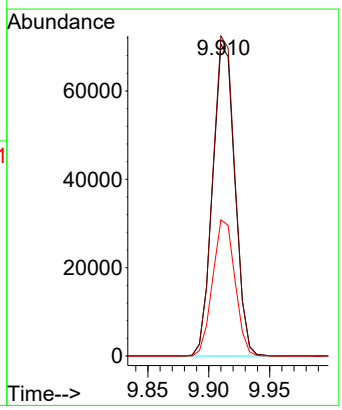


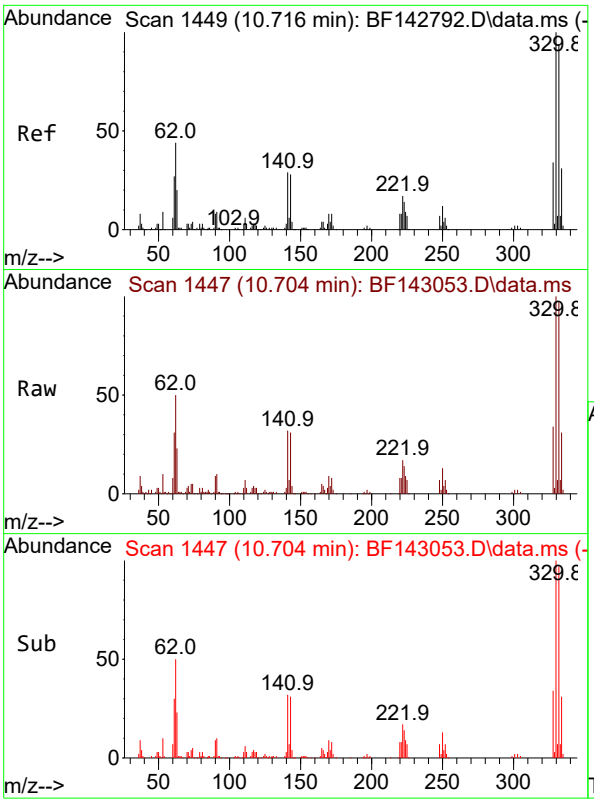




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF143053.D
Acq: 09 Jul 2025 13:27

Tgt Ion:164 Resp: 89876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.7 | 81.8 | 122.8 |
| 160 | 43.7 | 36.0 | 54.0 |



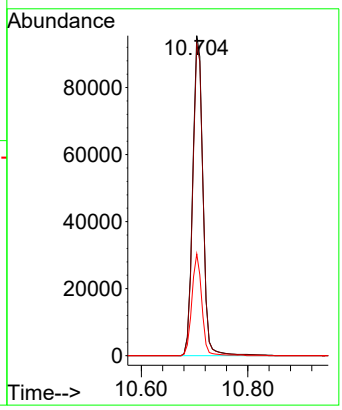


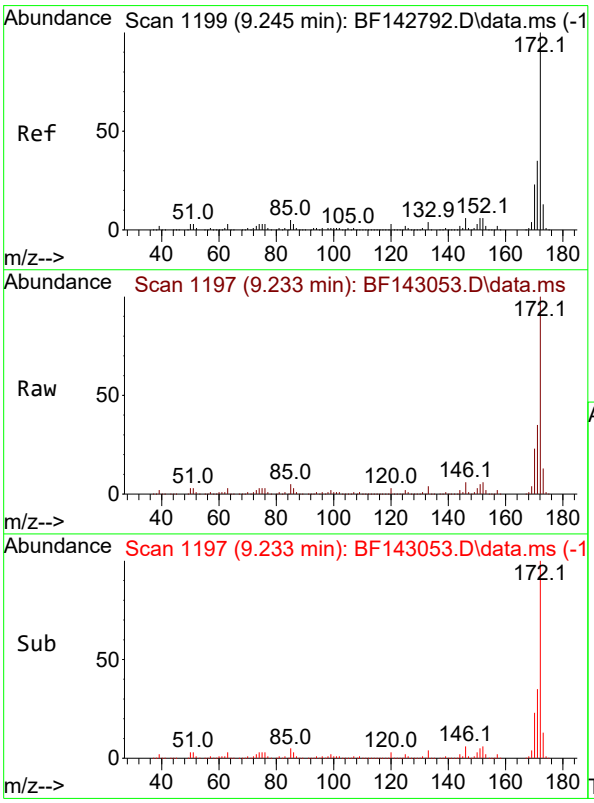

#42
2,4,6-Tribromophenol
Concen: 137.561 ng
RT: 10.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143053.D
Acq: 09 Jul 2025 13:27

**Instrument :**
BNA_F
**ClientSampleId :**
G2(6-12)

Tgt Ion:330 Resp: 127228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.6 | 75.0 | 112.6 |
| 141 | 31.1 | 25.3 | 37.9 |

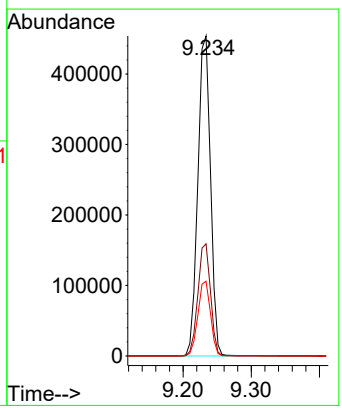


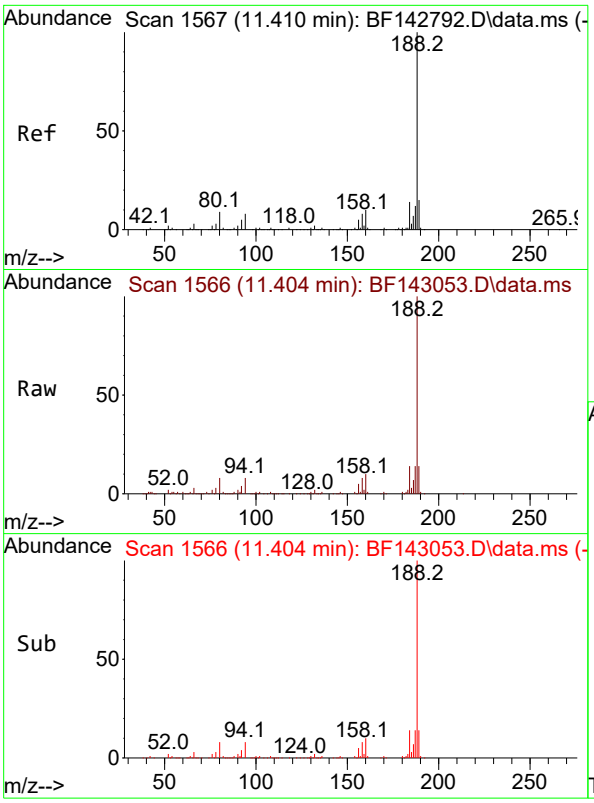




#45
2-Fluorobiphenyl
Concen: 85.511 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF143053.D
Acq: 09 Jul 2025 13:27

Tgt Ion:172 Resp: 585030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.1 | 28.2 | 42.4 |
| 170 | 23.4 | 18.5 | 27.7 |



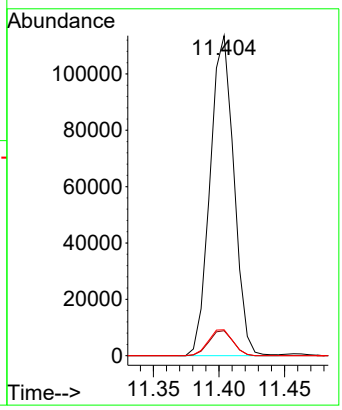


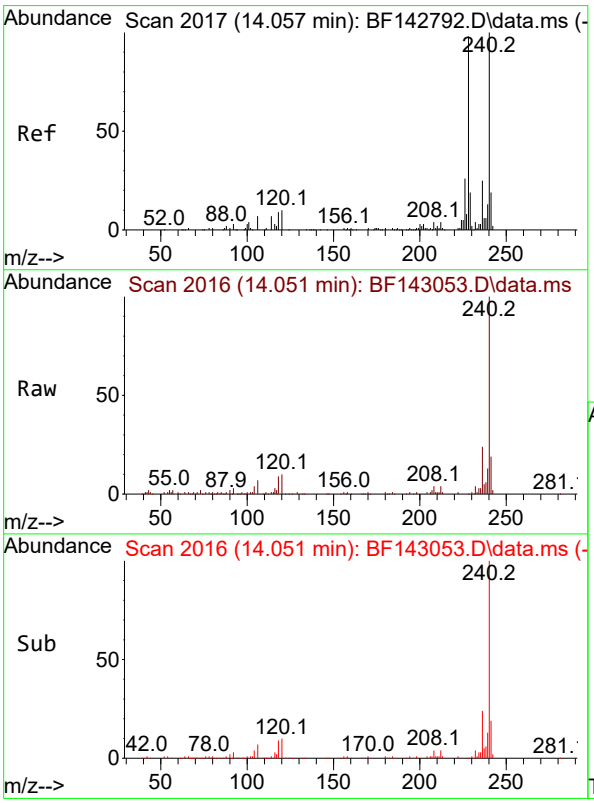

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143053.D
Acq: 09 Jul 2025 13:27

**Instrument :**
BNA_F
**ClientSampleId :**
G2(6-12)

Tgt Ion:188 Resp: 143550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.8 | 6.7 | 10.1 |
| 80 | 8.1 | 6.9 | 10.3 |

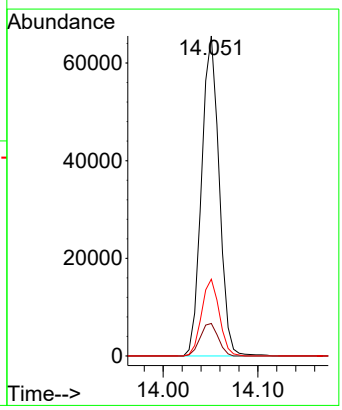


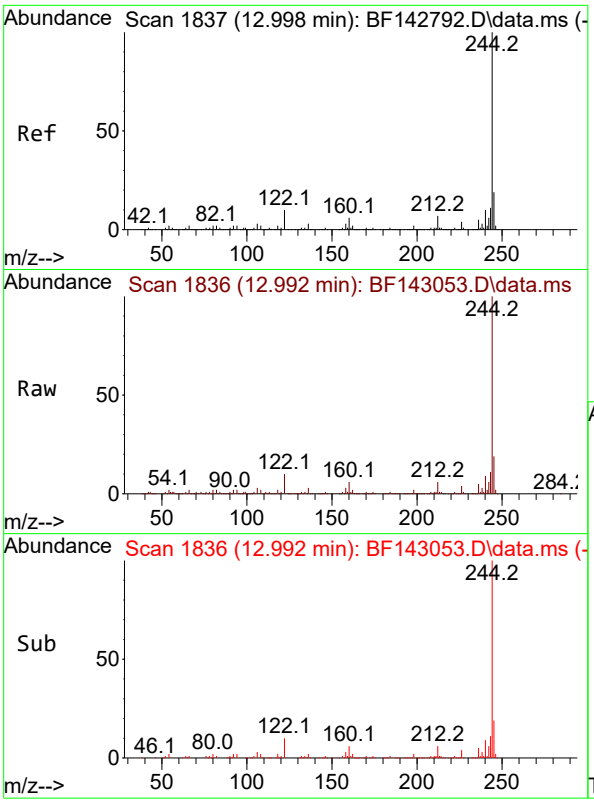




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143053.D
Acq: 09 Jul 2025 13:27

Tgt Ion:240 Resp: 84373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.2 | 8.2 | 12.2 |
| 236 | 24.0 | 19.8 | 29.8 |



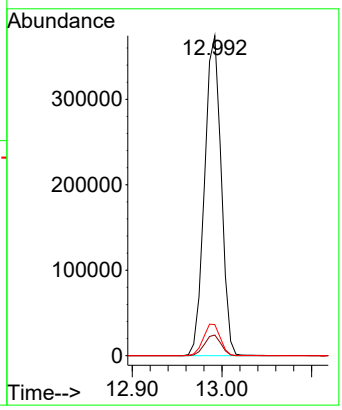


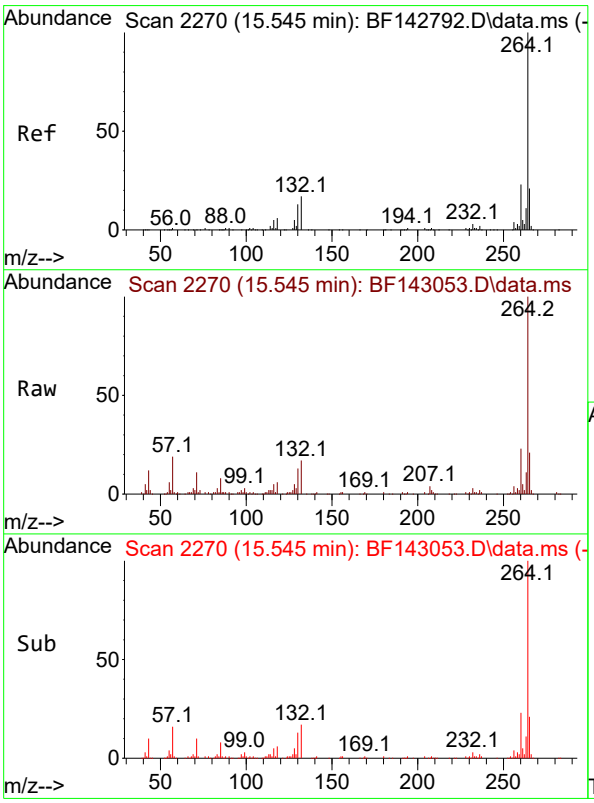

#79
Terphenyl-d14
Concen: 78.706 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143053.D
Acq: 09 Jul 2025 13:27

**Instrument :**
BNA_F
**ClientSampleId :**
G2(6-12)

Tgt Ion:244 Resp: 480616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.4 | 5.4 | 8.0 |
| 122 | 9.7 | 8.2 | 12.2 |

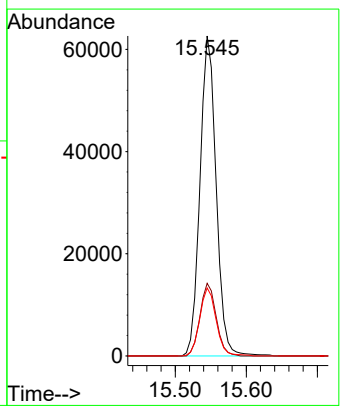



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143053.D
Acq: 09 Jul 2025 13:27

Tgt Ion:264 Resp: 99394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.7 | 18.1 | 27.1 |
| 265 | 21.2 | 16.6 | 25.0 |



Raw Data: **BF143054.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/01/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/01/25 |
| Client Sample ID: | G1(0-6) | SDG No.: | Q2489 |
| Lab Sample ID: | Q2489-07 | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BF143054.D | 1 | 07/07/25 11:15 | 07/09/25 13:57 | PB168750 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 12.8 | U | 12.8 | 50.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 5.30 | U | 5.30 | 50.0 | ug/L |
| 95-48-7 | 2-Methylphenol | 11.2 | U | 11.2 | 50.0 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 11.0 | U | 11.0 | 100 | ug/L |
| 67-72-1 | Hexachloroethane | 6.50 | U | 6.50 | 50.0 | ug/L |
| 98-95-3 | Nitrobenzene | 7.60 | U | 7.60 | 50.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 5.40 | U | 5.40 | 50.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 5.10 | U | 5.10 | 50.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 6.20 | U | 6.20 | 50.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 12.2 | U | 12.2 | 50.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | 5.20 | U | 5.20 | 50.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 15.8 | U | 15.8 | 100 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 123 | | 23 - 138 | 82% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 107 | | 10 - 134 | 72% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 85.4 | | 67 - 132 | 85% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 83.9 | | 52 - 132 | 84% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 137 | | 44 - 137 | 91% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 83.3 | | 42 - 152 | 83% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 46700 | 6.869 | | | |
| 1146-65-2 | Naphthalene-d8 | 179000 | 8.157 | | | |
| 15067-26-2 | Acenaphthene-d10 | 91500 | 9.91 | | | |
| 1517-22-2 | Phenanthrene-d10 | 146000 | 11.404 | | | |
| 1719-03-5 | Chrysene-d12 | 81100 | 14.051 | | | |
| 1520-96-3 | Perylene-d12 | 94500 | 15.545 | | | |

Raw Data: **BF143054.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/01/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/01/25 |
| Client Sample ID: | G1(0-6) | SDG No.: | Q2489 |
| Lab Sample ID: | Q2489-07 | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BF143054.D | 1 | 07/07/25 11:15 | 07/09/25 13:57 | PB168750 |

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

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

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

Sample Results: **BF143054.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143054.D
Acq On : 09 Jul 2025 13:57
Operator : RC/JU
Sample : Q2489-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
G1(0-6)

Quant Time: Jul 09 14:29:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.869 | 152 | 46737 | 20.000 | ng | -0.01 |
| 21) Naphthalene-d8 | 8.157 | 136 | 178995 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 91494 | 20.000 | ng | -0.01 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 145846 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.051 | 240 | 81059 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 94524 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 344519 | 122.729 | ng | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 355550 | 107.355 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 278828 | 85.443 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 128896 | 136.900 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 584359 | 83.902 | ng | -0.01 |
| 79) Terphenyl-d14 | 12.992 | 244 | 488454 | 83.260 | ng | 0.00 |

Target Compounds Qvalue

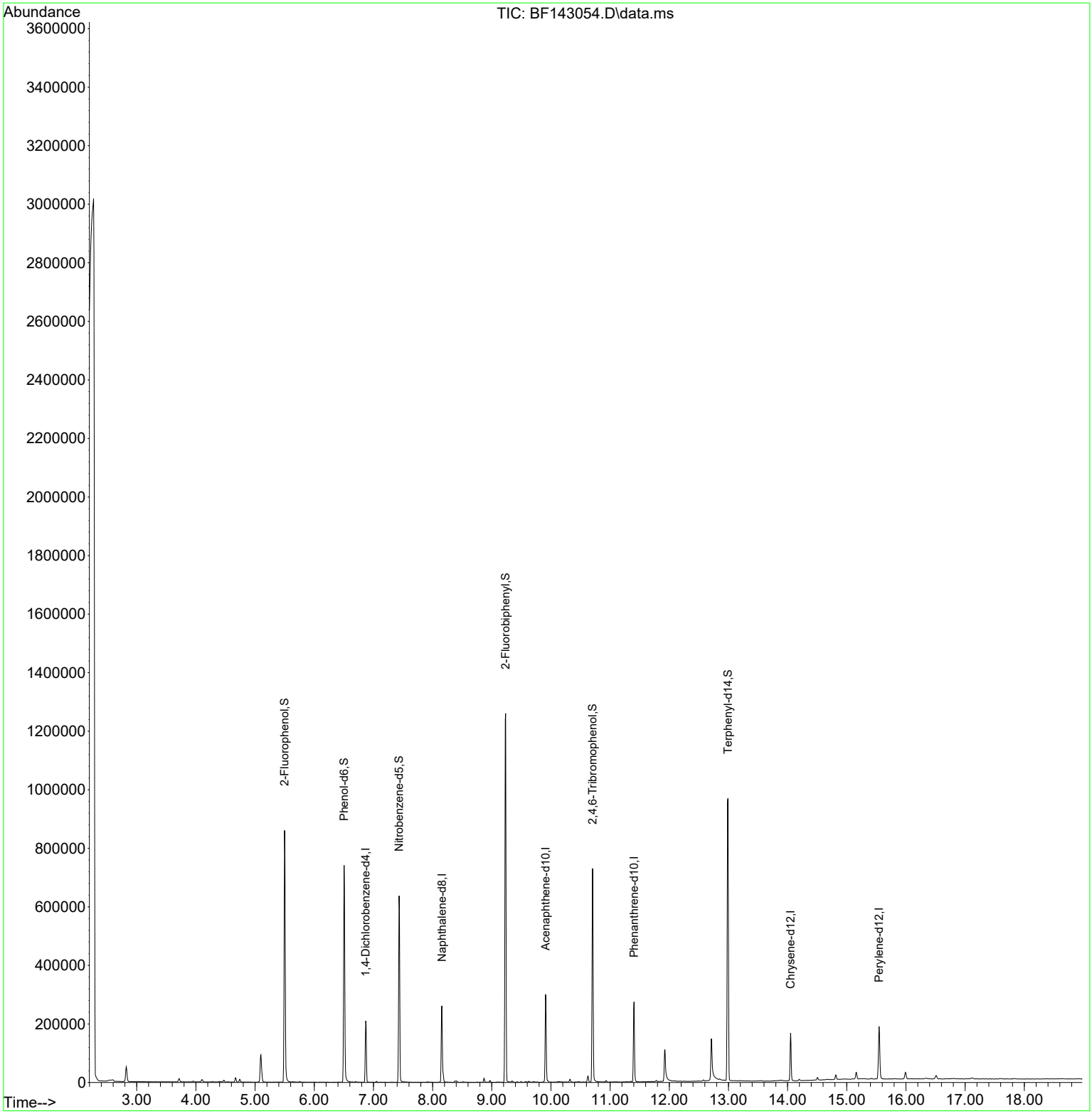
(#) = qualifier out of range (m) = manual integration (+) = signals summed

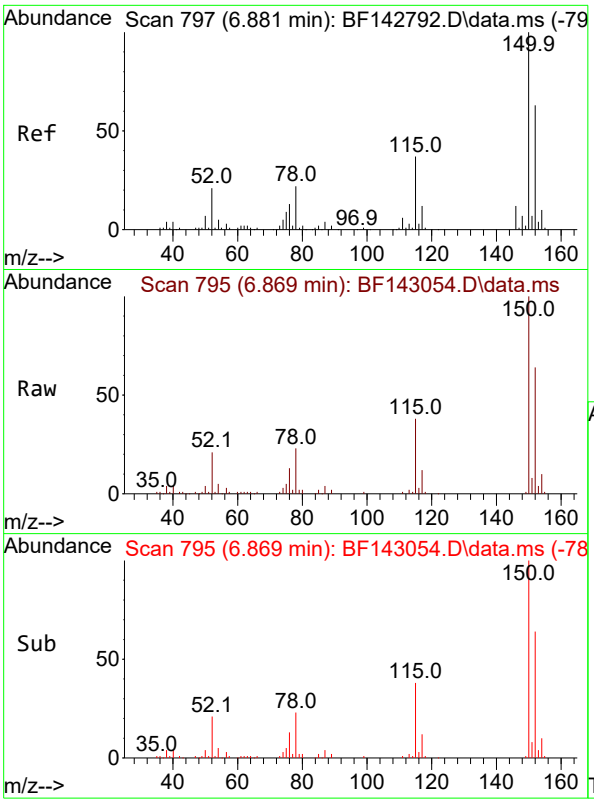
Sample Results: **BF143054.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143054.D
Acq On : 09 Jul 2025 13:57
Operator : RC/JU
Sample : Q2489-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
G1(0-6)

Quant Time: Jul 09 14:29:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



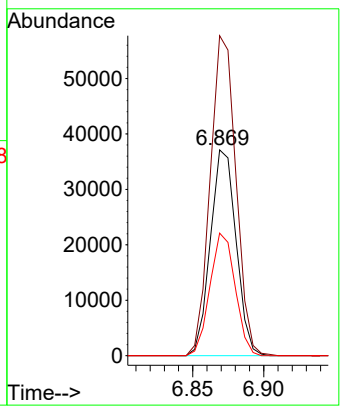


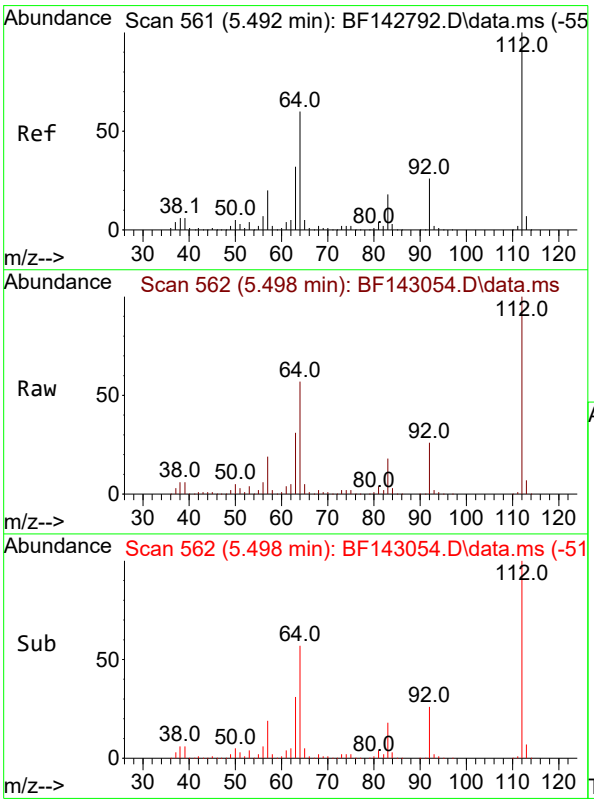

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
G1(0-6)

Tgt Ion:152 Resp: 46737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.5 | 127.2 | 190.8 |
| 115 | 59.5 | 46.6 | 69.8 |

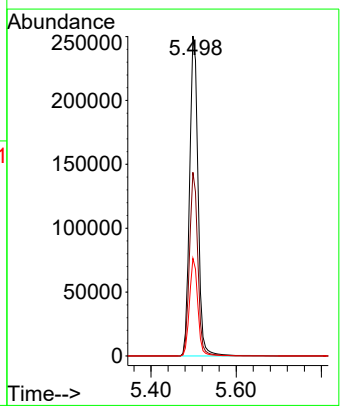


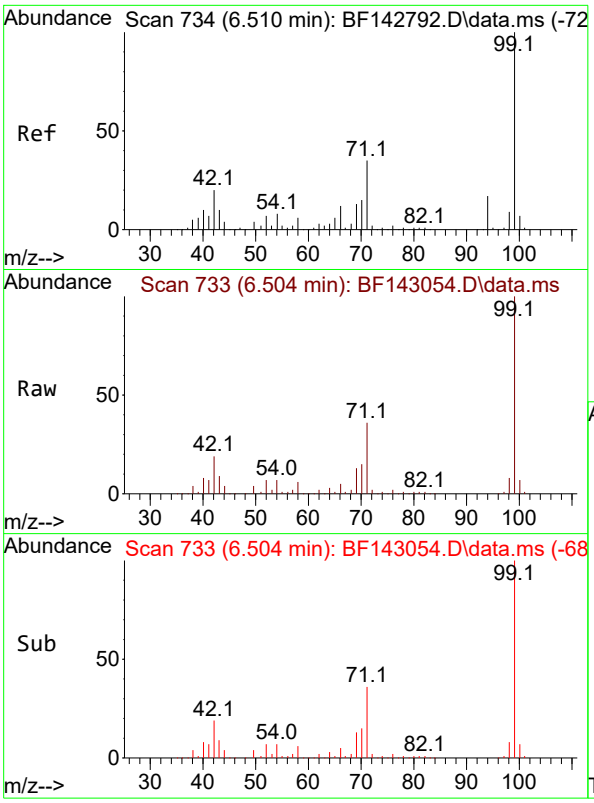




#5
2-Fluorophenol
Concen: 122.729 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

Tgt Ion:112 Resp: 344519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.4 | 48.2 | 72.2 |
| 63 | 30.5 | 25.7 | 38.5 |



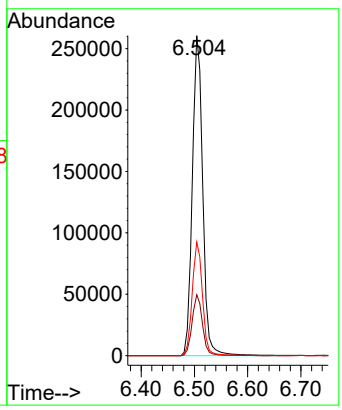


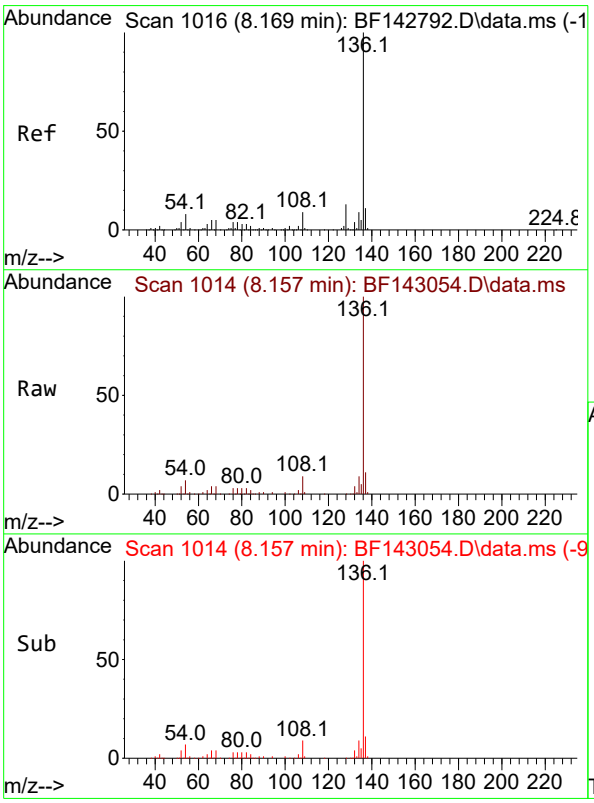

#7
Phenol-d6
Concen: 107.355 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
G1(0-6)

Tgt Ion: 99 Resp: 355550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.1 | 15.9 | 23.9 |
| 71 | 35.5 | 27.8 | 41.8 |

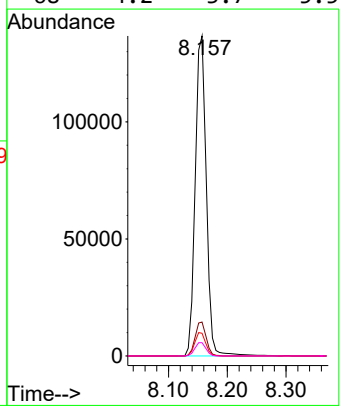


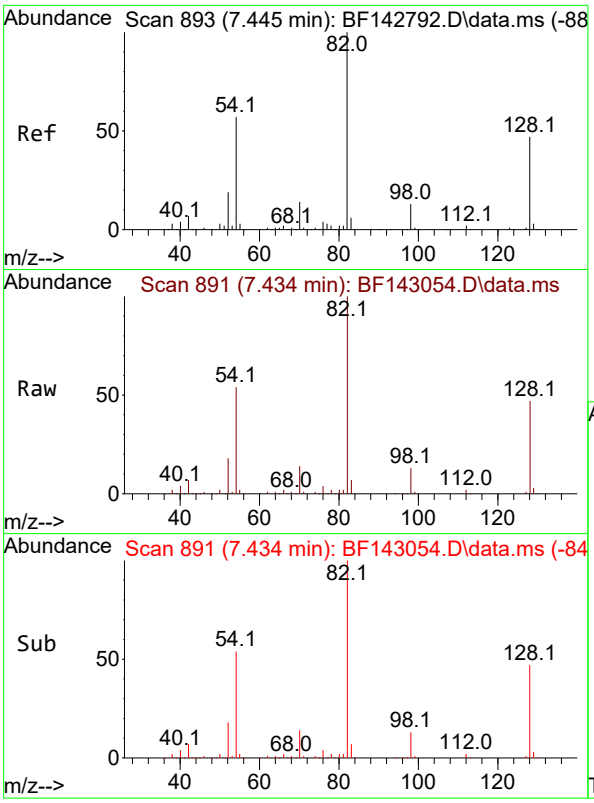




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

Tgt Ion:136 Resp: 178995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.4 | 12.6 |
| 54 | 7.1 | 6.3 | 9.5 |
| 68 | 4.2 | 3.7 | 5.5 |



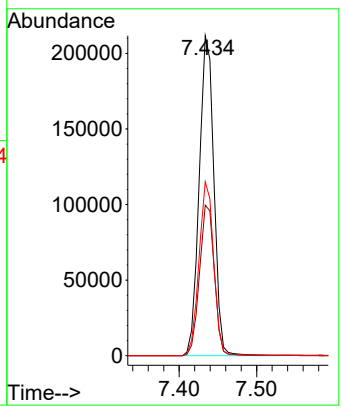


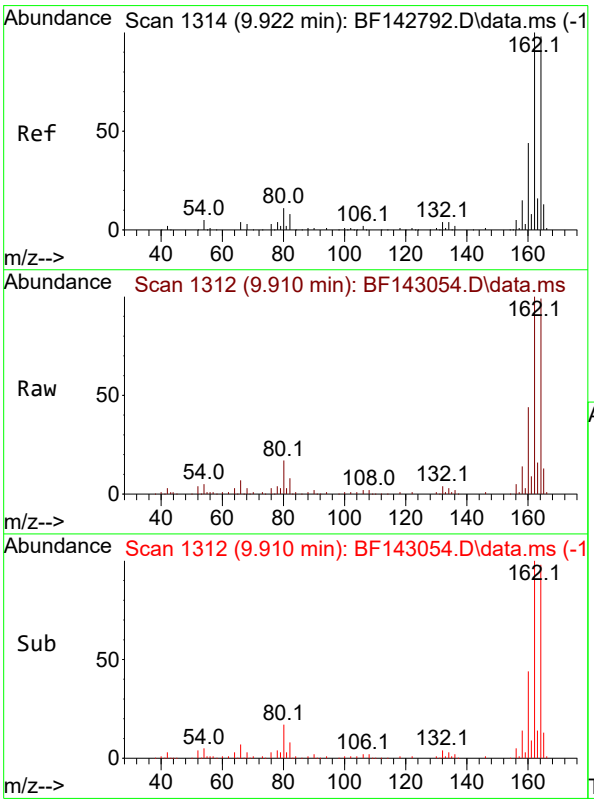

#23
Nitrobenzene-d5
Concen: 85.443 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
G1(0-6)

Tgt Ion: 82 Resp: 278828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.1 | 37.7 | 56.5 |
| 54 | 54.4 | 45.7 | 68.5 |

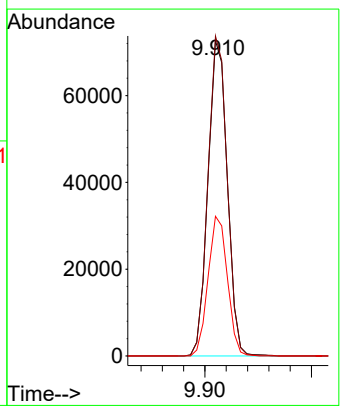


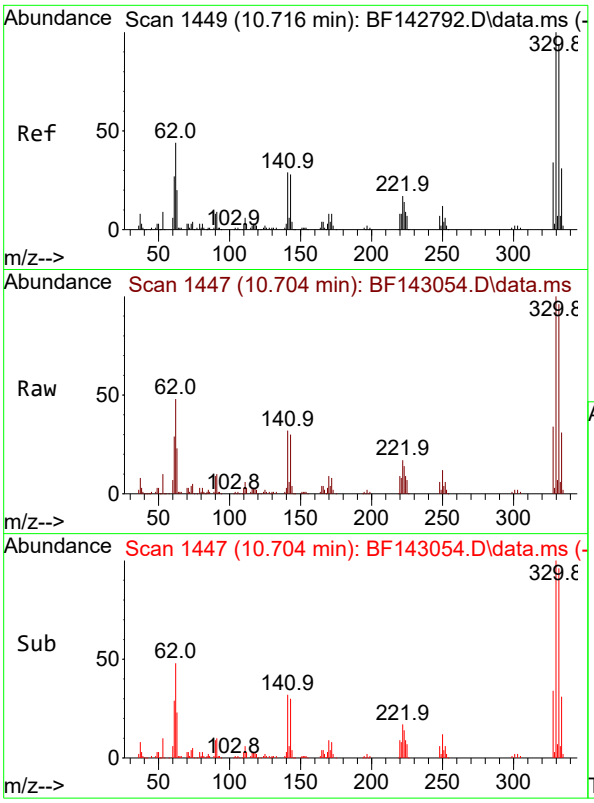




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

Tgt Ion:164 Resp: 91494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.5 | 81.8 | 122.8 |
| 160 | 44.3 | 36.0 | 54.0 |



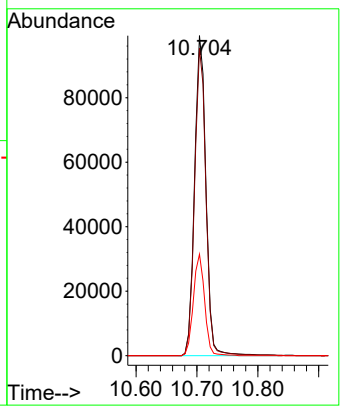


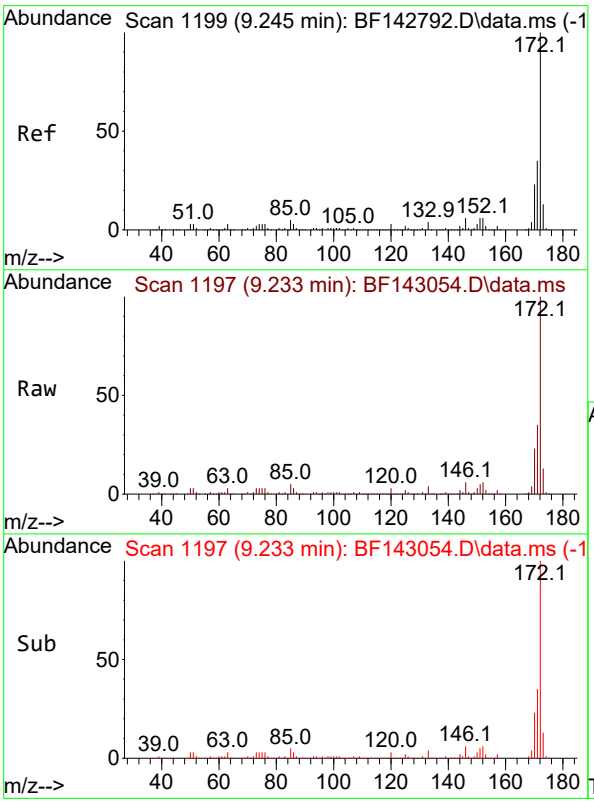

#42
2,4,6-Tribromophenol
Concen: 136.900 ng
RT: 10.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
G1(0-6)

Tgt Ion:330 Resp: 128896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 75.0 | 112.6 |
| 141 | 31.3 | 25.3 | 37.9 |

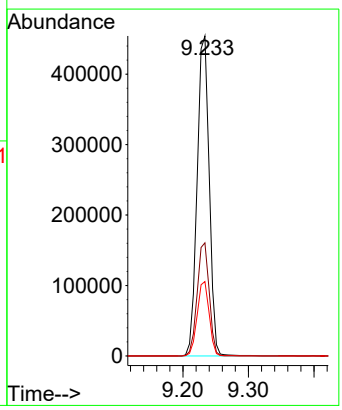


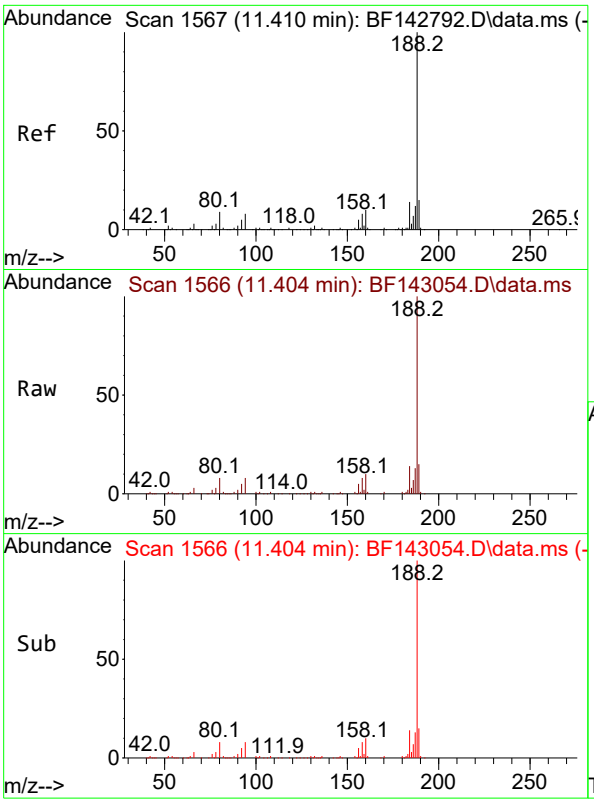




#45
2-Fluorobiphenyl
Concen: 83.902 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

Tgt Ion:172 Resp: 584359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.2 | 42.4 |
| 170 | 23.2 | 18.5 | 27.7 |



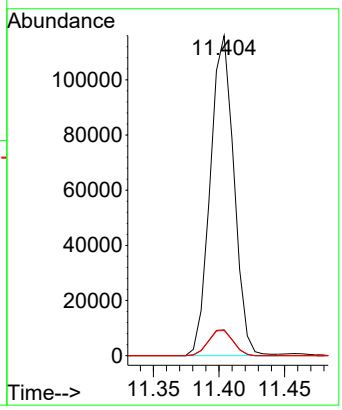


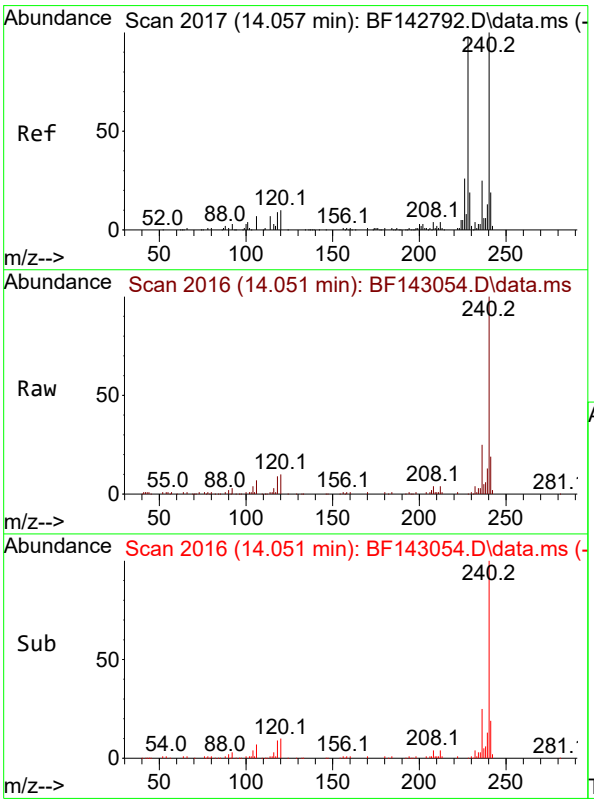

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
G1(0-6)

Tgt Ion:188 Resp: 145846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.1 | 6.7 | 10.1 |
| 80 | 7.9 | 6.9 | 10.3 |

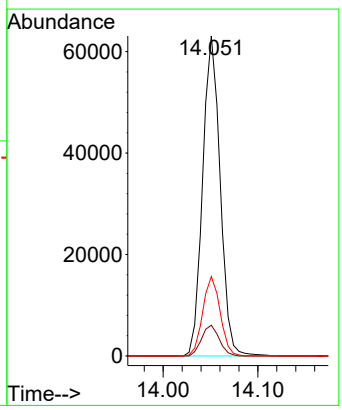


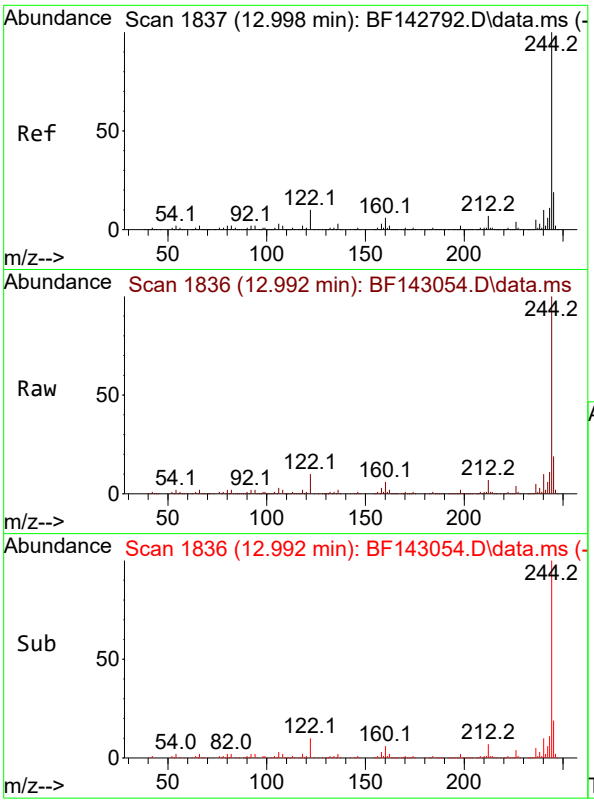




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

Tgt Ion:240 Resp: 81059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.6 | 8.2 | 12.2 |
| 236 | 24.8 | 19.8 | 29.8 |



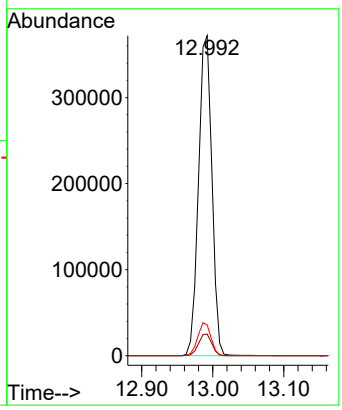


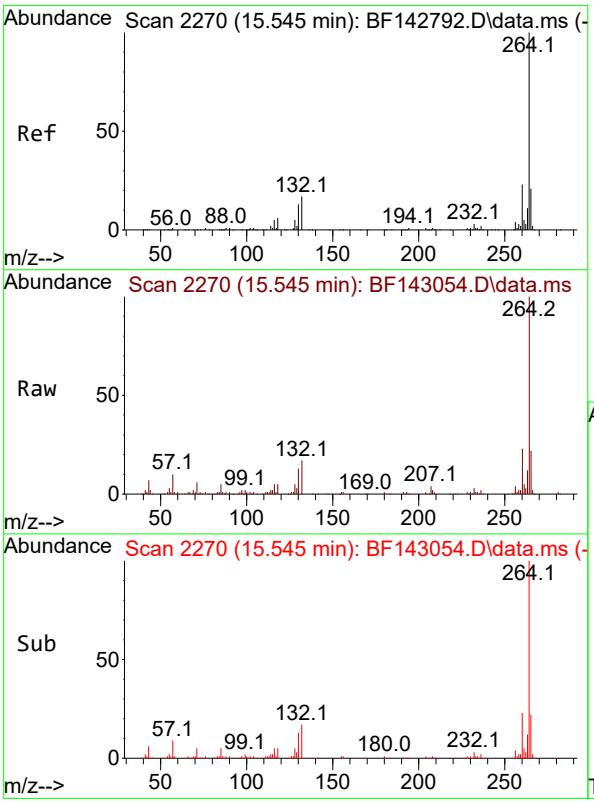

#79
Terphenyl-d14
Concen: 83.260 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
G1(0-6)

Tgt Ion:244 Resp: 488454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.4 | 8.0 |
| 122 | 9.6 | 8.2 | 12.2 |

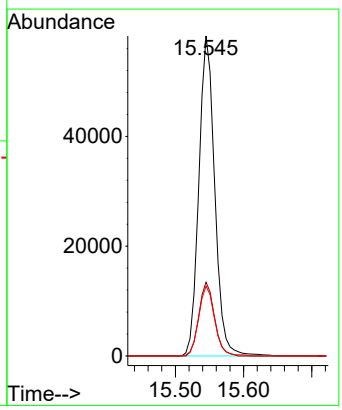



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

Tgt Ion:264 Resp: 94524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 18.1 | 27.1 |
| 265 | 21.8 | 16.6 | 25.0 |



Raw Data: **BF143055.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/01/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/01/25 |
| Client Sample ID: | G1(6-12) | SDG No.: | Q2489 |
| Lab Sample ID: | Q2489-08 | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BF143055.D | 1 | 07/07/25 11:15 | 07/09/25 14:28 | PB168750 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 12.8 | U | 12.8 | 50.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 5.30 | U | 5.30 | 50.0 | ug/L |
| 95-48-7 | 2-Methylphenol | 11.2 | U | 11.2 | 50.0 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 11.0 | U | 11.0 | 100 | ug/L |
| 67-72-1 | Hexachloroethane | 6.50 | U | 6.50 | 50.0 | ug/L |
| 98-95-3 | Nitrobenzene | 7.60 | U | 7.60 | 50.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 5.40 | U | 5.40 | 50.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 5.10 | U | 5.10 | 50.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 6.20 | U | 6.20 | 50.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 12.2 | U | 12.2 | 50.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | 5.20 | U | 5.20 | 50.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 15.8 | U | 15.8 | 100 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 121 | | 23 - 138 | 81% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 108 | | 10 - 134 | 72% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 83.9 | | 67 - 132 | 84% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 84.2 | | 52 - 132 | 84% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 131 | | 44 - 137 | 87% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 83.0 | | 42 - 152 | 83% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 45800 | 6.869 | | | |
| 1146-65-2 | Naphthalene-d8 | 174000 | 8.157 | | | |
| 15067-26-2 | Acenaphthene-d10 | 87200 | 9.91 | | | |
| 1517-22-2 | Phenanthrene-d10 | 140000 | 11.404 | | | |
| 1719-03-5 | Chrysene-d12 | 76500 | 14.051 | | | |
| 1520-96-3 | Perylene-d12 | 90300 | 15.545 | | | |

Raw Data: **BF143055.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/01/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/01/25 |
| Client Sample ID: | G1(6-12) | SDG No.: | Q2489 |
| Lab Sample ID: | Q2489-08 | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BF143055.D | 1 | 07/07/25 11:15 | 07/09/25 14:28 | PB168750 |

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

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

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

Sample Results: **BF143055.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143055.D
Acq On : 09 Jul 2025 14:28
Operator : RC/JU
Sample : Q2489-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
G1(6-12)

Quant Time: Jul 09 14:47:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.869 | 152 | 45752 | 20.000 | ng | -0.01 |
| 21) Naphthalene-d8 | 8.157 | 136 | 173750 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 87159 | 20.000 | ng | -0.01 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 140460 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.051 | 240 | 76491 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 90349 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 332097 | 120.851 | ng | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 349614 | 107.836 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 265677 | 83.871 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 117081 | 130.536 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 9.234 | 172 | 558501 | 84.178 | ng | -0.01 |
| 79) Terphenyl-d14 | 12.992 | 244 | 459680 | 83.035 | ng | 0.00 |

| Target Compounds | Qvalue |
|---|---|

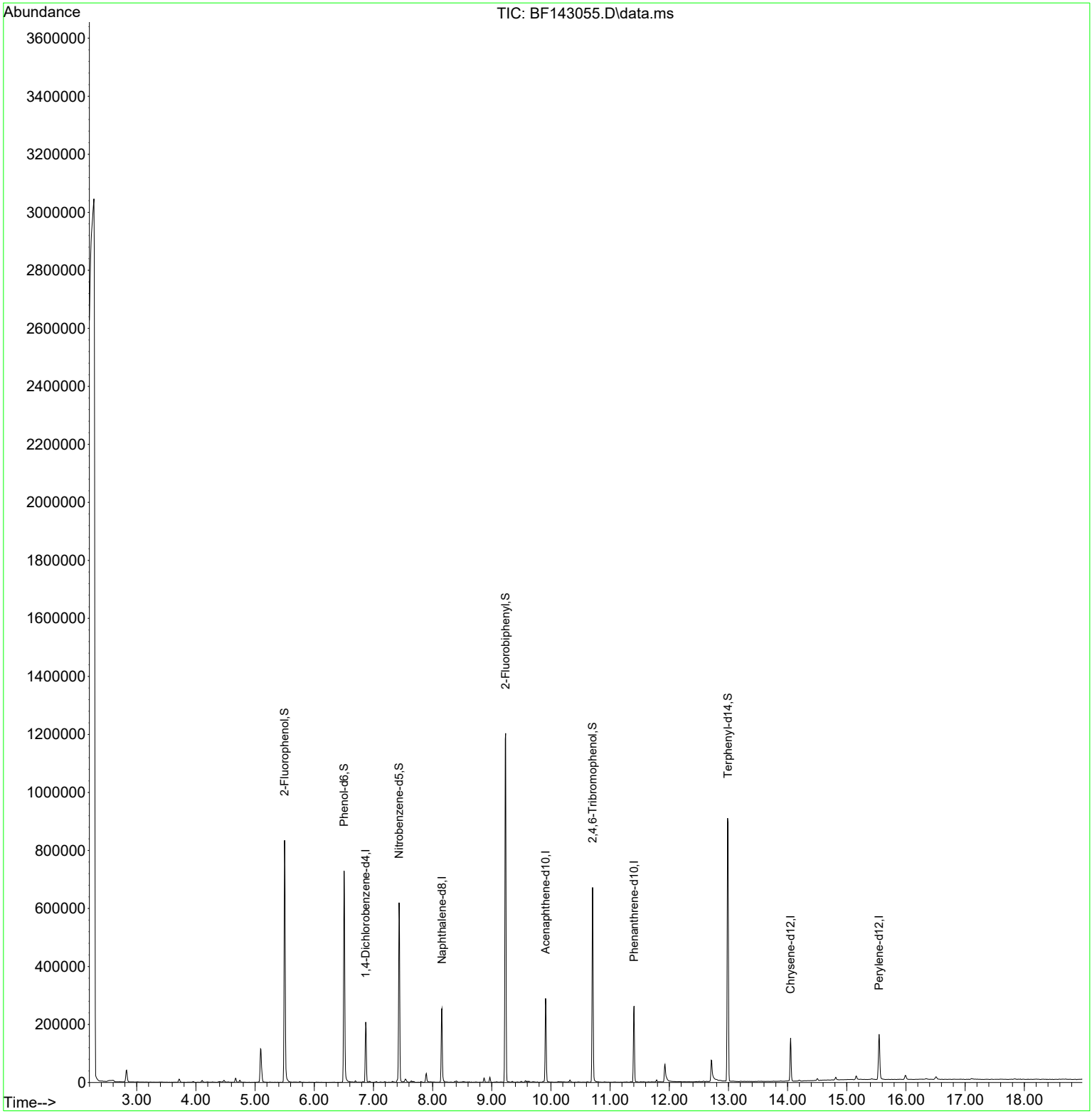
(#) = qualifier out of range (m) = manual integration (+) = signals summed

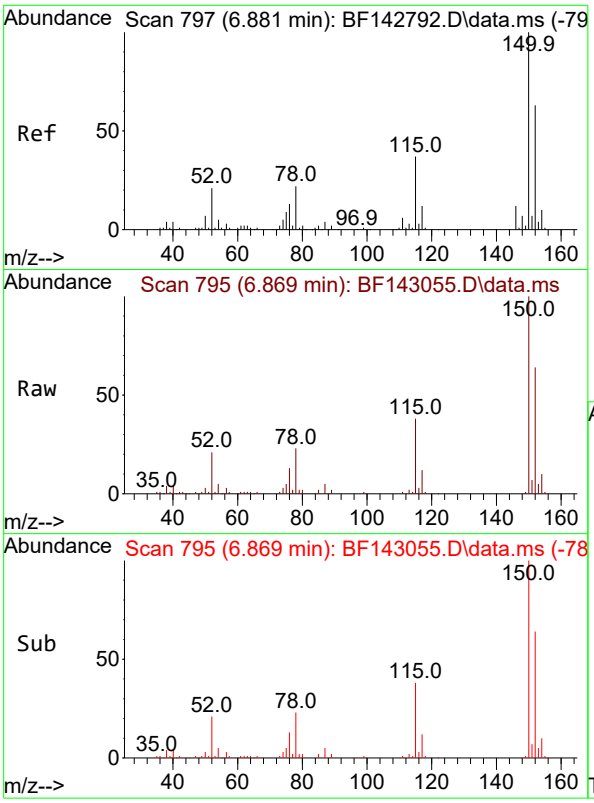
Sample Results: **BF143055.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143055.D
Acq On : 09 Jul 2025 14:28
Operator : RC/JU
Sample : Q2489-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
G1(6-12)

Quant Time: Jul 09 14:47:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



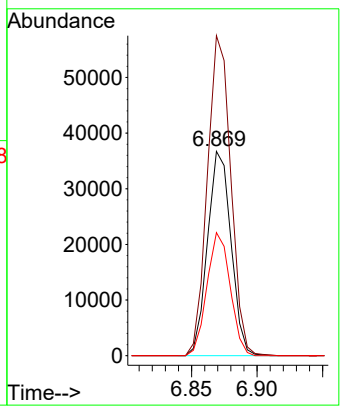


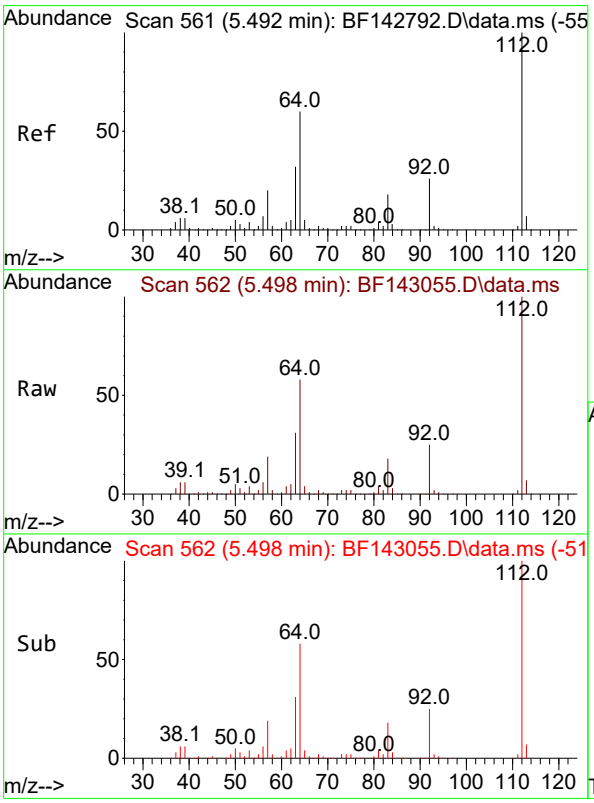

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143055.D
Acq: 09 Jul 2025 14:28

**Instrument :**
BNA_F
**ClientSampleId :**
G1(6-12)

Tgt Ion:152 Resp: 45752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.6 | 127.2 | 190.8 |
| 115 | 60.2 | 46.6 | 69.8 |

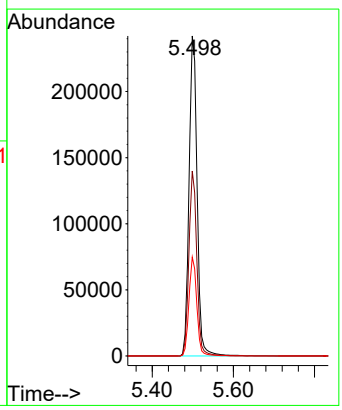


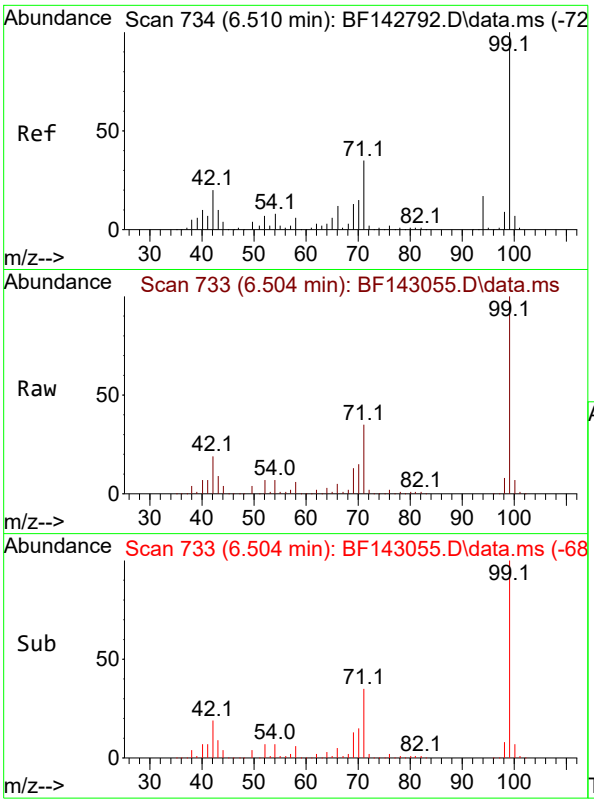




#5
2-Fluorophenol
Concen: 120.851 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF143055.D
Acq: 09 Jul 2025 14:28

Tgt Ion:112 Resp: 332097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.8 | 48.2 | 72.2 |
| 63 | 30.9 | 25.7 | 38.5 |



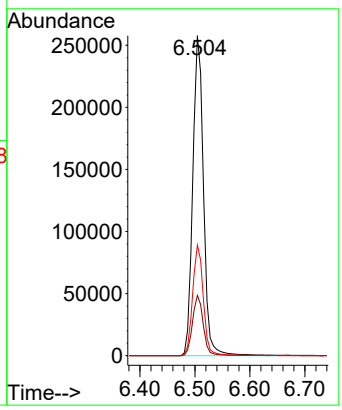


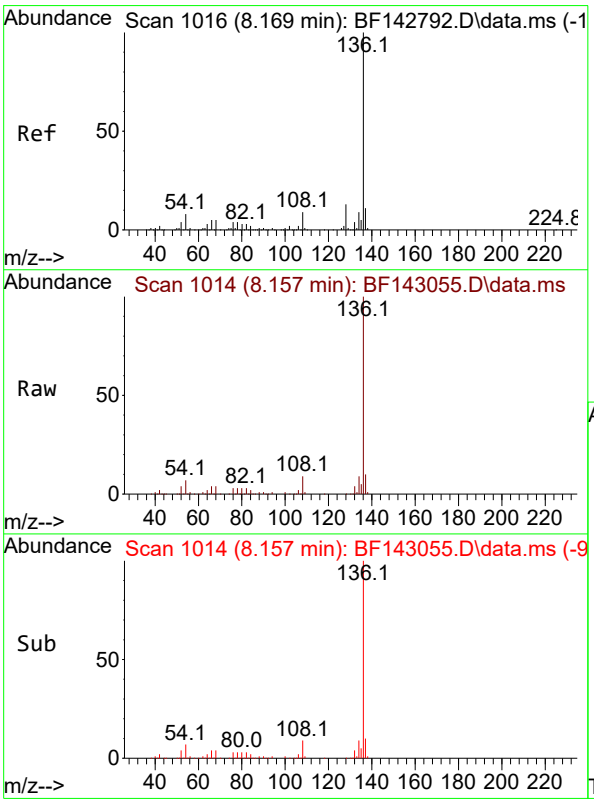

#7
Phenol-d6
Concen: 107.836 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143055.D
Acq: 09 Jul 2025 14:28

**Instrument :**
BNA_F
**ClientSampleId :**
G1(6-12)

Tgt Ion: 99 Resp: 349614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.8 | 15.9 | 23.9 |
| 71 | 34.6 | 27.8 | 41.8 |

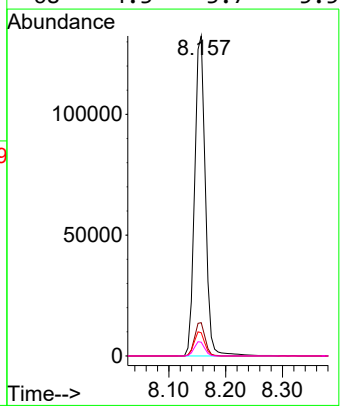


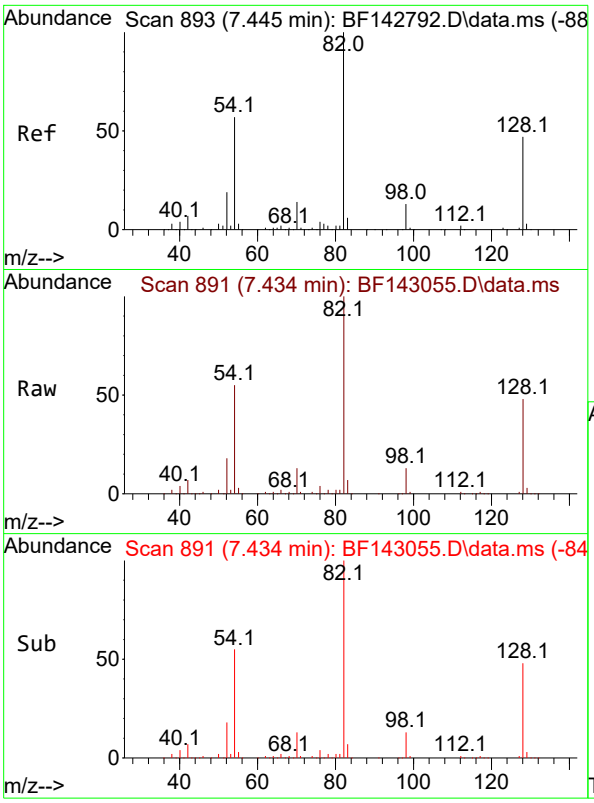




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143055.D
Acq: 09 Jul 2025 14:28

Tgt Ion:136 Resp: 173750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.4 | 8.4 | 12.6 |
| 54 | 7.2 | 6.3 | 9.5 |
| 68 | 4.3 | 3.7 | 5.5 |



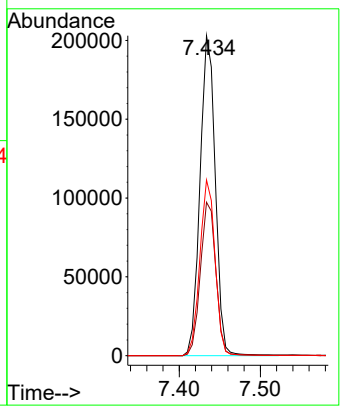


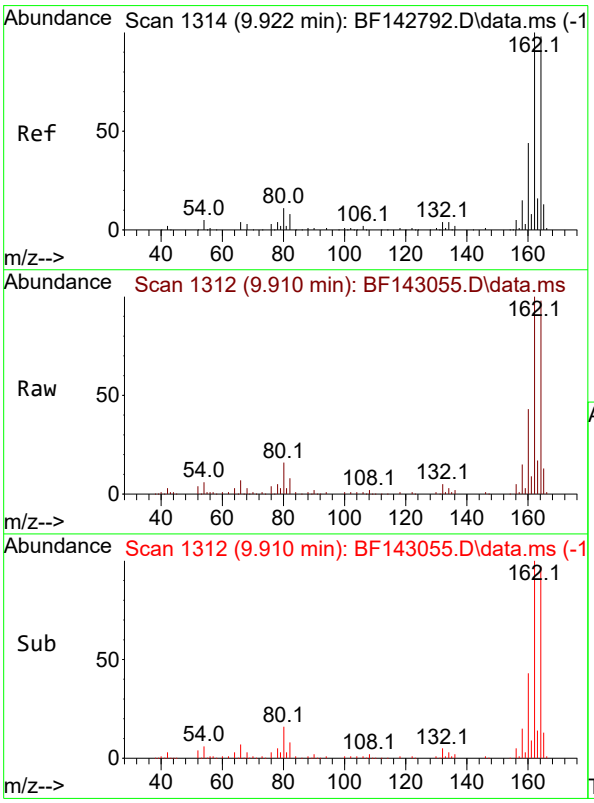

#23
Nitrobenzene-d5
Concen: 83.871 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF143055.D
Acq: 09 Jul 2025 14:28

**Instrument :**
BNA_F
**ClientSampleId :**
G1(6-12)

Tgt Ion: 82 Resp: 265677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.9 | 37.7 | 56.5 |
| 54 | 54.9 | 45.7 | 68.5 |

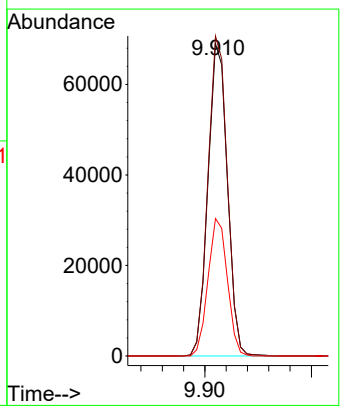


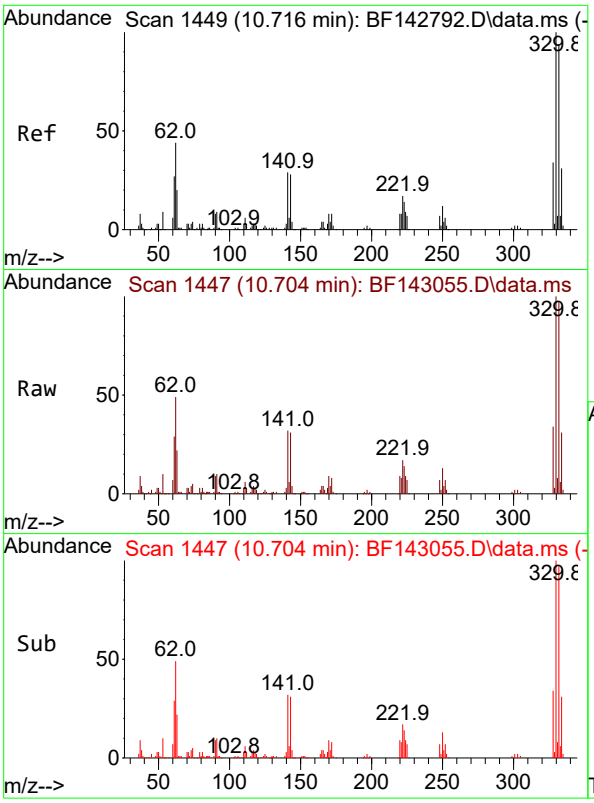




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF143055.D
Acq: 09 Jul 2025 14:28

Tgt Ion:164 Resp: 87159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.5 | 81.8 | 122.8 |
| 160 | 44.0 | 36.0 | 54.0 |



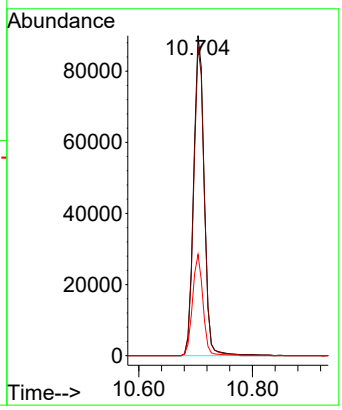


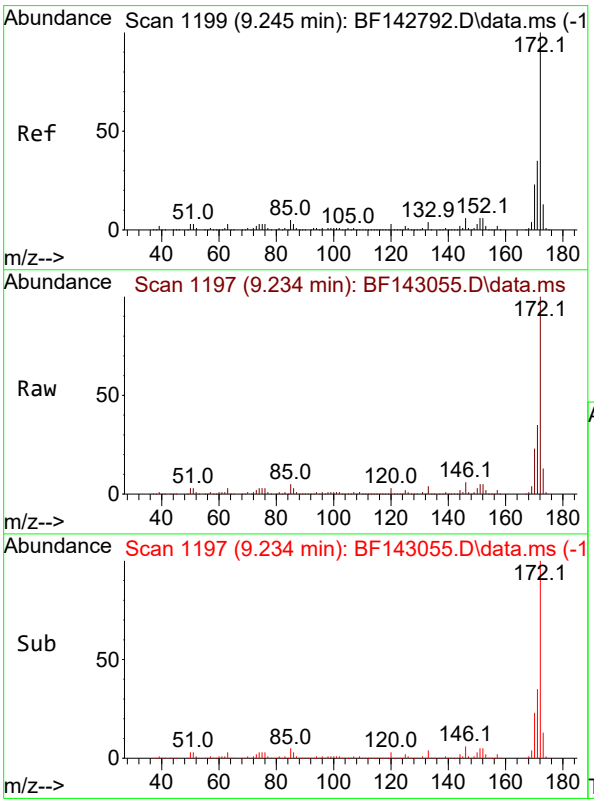

#42
2,4,6-Tribromophenol
Concen: 130.536 ng
RT: 10.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143055.D
Acq: 09 Jul 2025 14:28

**Instrument :**
BNA_F
**ClientSampleId :**
G1(6-12)

Tgt Ion:330 Resp: 117081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 75.0 | 112.6 |
| 141 | 31.2 | 25.3 | 37.9 |

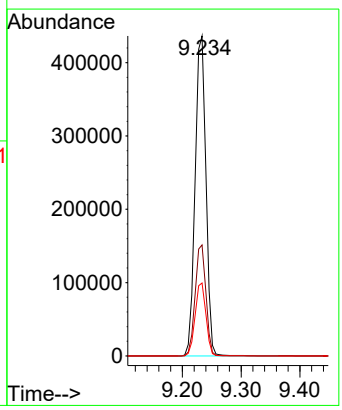


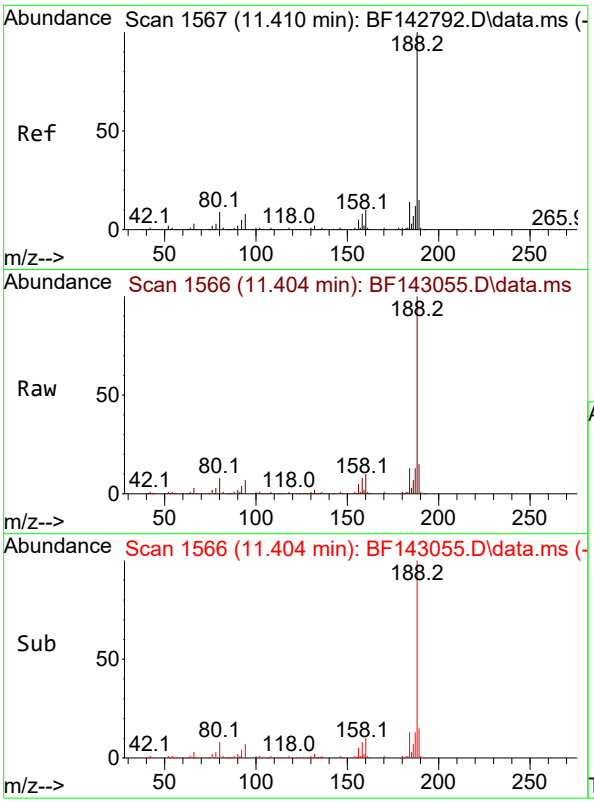




#45
2-Fluorobiphenyl
Concen: 84.178 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF143055.D
Acq: 09 Jul 2025 14:28

Tgt Ion:172 Resp: 558501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.7 | 28.2 | 42.4 |
| 170 | 22.8 | 18.5 | 27.7 |



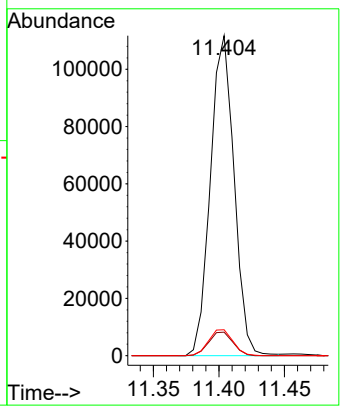


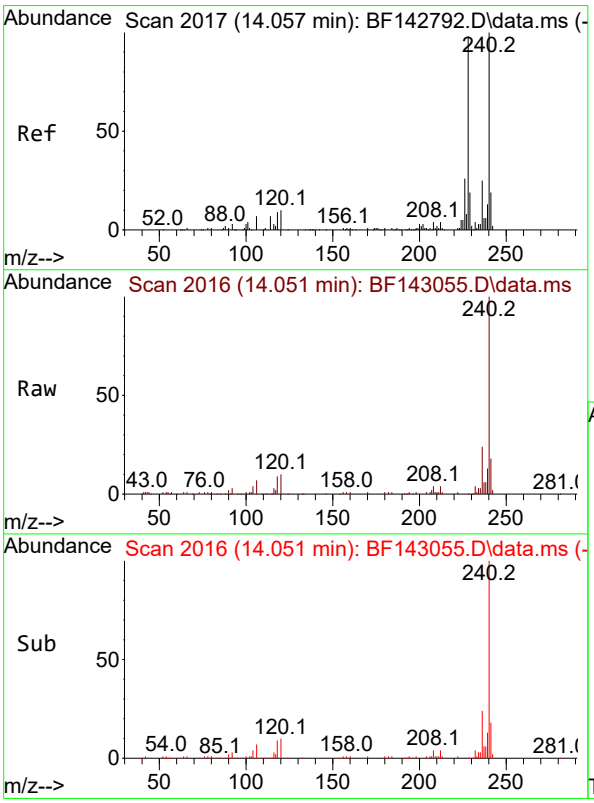

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143055.D
Acq: 09 Jul 2025 14:28

**Instrument :**
BNA_F
**ClientSampleId :**
G1(6-12)

Tgt Ion:188 Resp: 140460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.4 | 6.7 | 10.1 |
| 80 | 8.1 | 6.9 | 10.3 |

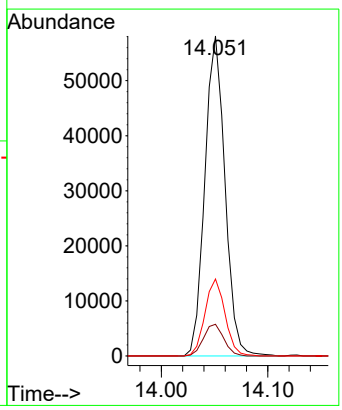


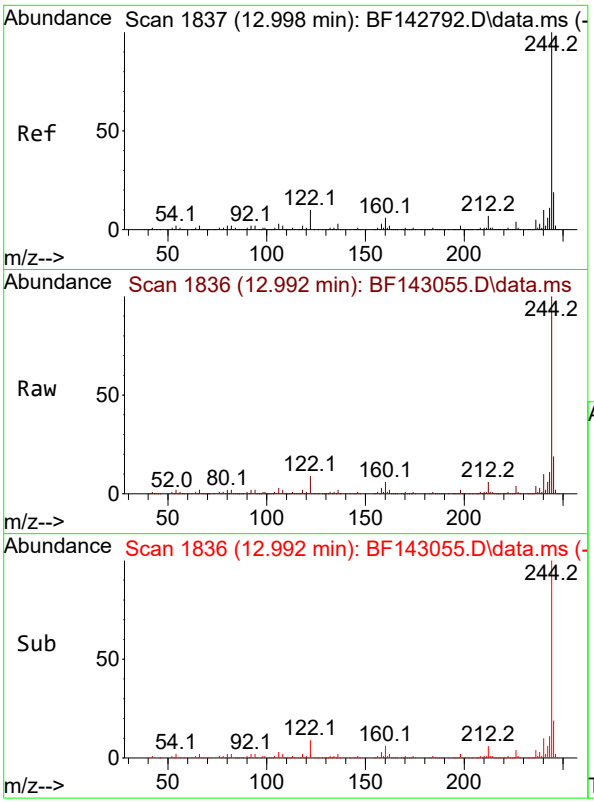




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143055.D
Acq: 09 Jul 2025 14:28

Tgt Ion:240 Resp: 76491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.9 | 8.2 | 12.2 |
| 236 | 24.1 | 19.8 | 29.8 |



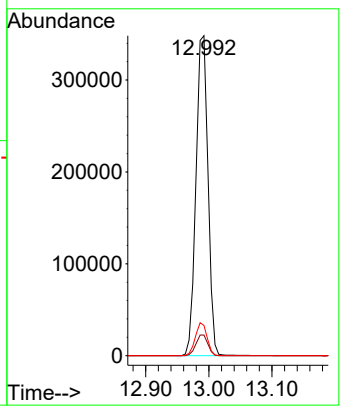


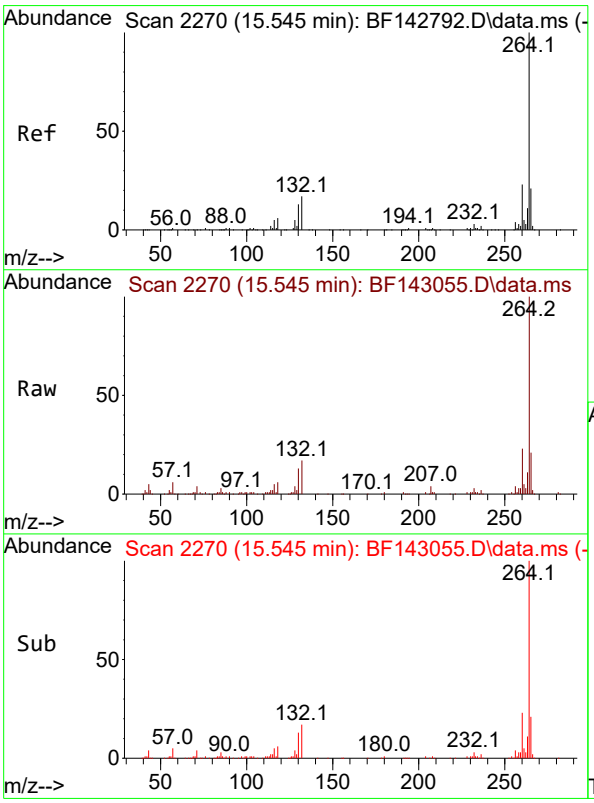

#79
Terphenyl-d14
Concen: 83.035 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143055.D
Acq: 09 Jul 2025 14:28

**Instrument :**
BNA_F
**ClientSampleId :**
G1(6-12)

Tgt Ion:244 Resp: 459680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.4 | 5.4 | 8.0 |
| 122 | 9.4 | 8.2 | 12.2 |

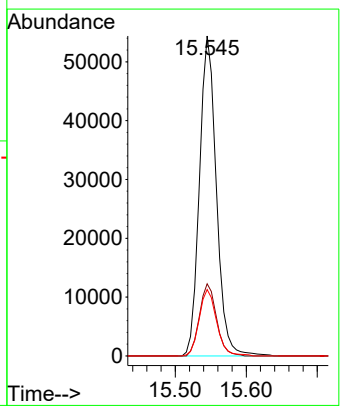



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143055.D
Acq: 09 Jul 2025 14:28

Tgt Ion:264 Resp: 90349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.5 | 18.1 | 27.1 |
| 265 | 20.8 | 16.6 | 25.0 |



# CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance  Contract: WALS01

Lab Code: ACE  SDG No.: Q2489

Instrument ID: BNA_F  Calibration Date(s): 06/19/2025 06/19/2025

Calibration Time(s): 17:07 20:40

LAB FILE ID: RRF2.5 = BF142788.D RRF005 = BF142789.D RRF010 = BF142790.D
RRF020 = BF142791.D RRF040 = BF142792.D RRF050 = BF142793.D

| COMPOUND | RRF2.5 | RRF005 | RRF010 | RRF020 | RRF040 | RRF050 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Pyridine | | 1.190 | 1.195 | 1.190 | 1.164 | 1.303 | 1.205 | 3.8 |
| 2-Fluorophenol | | 1.238 | 1.230 | 1.230 | 1.149 | 1.263 | 1.201 | 4.3 |
| Phenol-d6 | | 1.512 | 1.481 | 1.423 | 1.340 | 1.480 | 1.417 | 5.5 |
| 1,4-Dichlorobenzene | | 1.563 | 1.496 | 1.472 | 1.409 | 1.523 | 1.462 | 5.0 |
| 2-Methylphenol | | 1.015 | 0.997 | 0.980 | 0.938 | 1.043 | 0.982 | 4.1 |
| 3+4-Methylphenols | | | 1.292 | 1.262 | 1.176 | 1.312 | 1.224 | 6.4 |
| Nitrobenzene-d5 | | 0.369 | 0.362 | 0.373 | 0.354 | 0.386 | 0.365 | 3.5 |
| Hexachloroethane | | 0.533 | 0.521 | 0.507 | 0.499 | 0.539 | 0.511 | 3.9 |
| Nitrobenzene | | 0.345 | 0.325 | 0.332 | 0.319 | 0.349 | 0.330 | 3.9 |
| Hexachlorobutadiene | | 0.195 | 0.188 | 0.198 | 0.184 | 0.200 | 0.190 | 4.3 |
| 2,4,6-Trichlorophenol | | 0.385 | 0.380 | 0.394 | 0.365 | 0.408 | 0.385 | 3.7 |
| 2-Fluorobiphenyl | | 1.740 | 1.636 | 1.592 | 1.430 | 1.500 | 1.522 | 9.2 |
| 2,4,5-Trichlorophenol | | 0.407 | 0.403 | 0.421 | 0.391 | 0.416 | 0.405 | 3.0 |
| 2,4-Dinitrotoluene | | 0.373 | 0.378 | 0.397 | 0.367 | 0.407 | 0.378 | 5.9 |
| 2,4,6-Tribromophenol | | 0.208 | 0.207 | 0.214 | 0.200 | 0.219 | 0.206 | 5.0 |
| Hexachlorobenzene | | 0.263 | 0.248 | 0.257 | 0.241 | 0.262 | 0.253 | 3.3 |
| Pentachlorophenol | | | 0.102 | 0.119 | 0.125 | 0.142 | 0.126 | 11.3 |
| Terphenyl-d14 | | 1.691 | 1.556 | 1.533 | 1.327 | 1.535 | 1.447 | 13.3 |

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 20 05:06:14 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142788.D 5 =BF142789.D 10 =BF142790.D 20 =BF142791.D 40 =BF142792.D 50 =BF142793.D 60 =BF142794.D 80 =BF1427
95.D

| | | Compound | 2.5 | 5 | 10 | 20 | 40 | 50 | 60 | 80 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | | | |
| 2) | | 1,4-Dioxane | 0.479 | 0.499 | 0.471 | 0.461 | 0.509 | 0.479 | 0.467 | 0.480 | | 3.60 |
| 3) | | Pyridine | 1.190 | 1.195 | 1.190 | 1.164 | 1.303 | 1.209 | 1.181 | 1.205 | | 3.78 |
| 4) | | n-Nitrosodimet... | | 0.610 | 0.617 | 0.596 | 0.668 | 0.632 | 0.614 | 0.623 | | 3.98 |
| 5) | S | 2-Fluorophenol | 2.475 | 2.460 | 2.460 | 2.299 | 2.525 | 2.342 | 2.256 | 2.403 | | 4.26 |
| 6) | | Aniline | 1.951 | 1.944 | 1.891 | 1.818 | 1.982 | 1.869 | 1.746 | 1.886 | | 4.41 |
| 7) | S | Phenol-d6 | 3.024 | 2.962 | 2.846 | 2.681 | 2.959 | 2.760 | 2.610 | 2.834 | | 5.53 |
| 8) | | 2-Chlorophenol | 1.362 | 1.303 | 1.292 | 1.245 | 1.366 | 1.272 | 1.231 | 1.296 | | 4.08 |
| 9) | | Benzaldehyde | | 0.988 | 0.943 | 0.757 | 0.832 | 0.684 | | 0.841 | | 15.02 |
| 10) | C | Phenol | 1.648 | 1.653 | 1.591 | 1.516 | 1.651 | 1.530 | 1.437 | 1.575 | | 5.31 |
| 11) | | bis(2-Chloroet... | 1.167 | 1.133 | 1.134 | 1.072 | 1.183 | 1.116 | 1.077 | 1.126 | | 3.71 |
| 12) | | 1,3-Dichlorobe... | 1.536 | 1.499 | 1.470 | 1.377 | 1.500 | 1.414 | 1.348 | 1.449 | | 4.85 |
| 13) | C | 1,4-Dichlorobe... | 1.563 | 1.496 | 1.472 | 1.409 | 1.523 | 1.425 | 1.347 | 1.462 | | 5.04 |
| 14) | | 1,2-Dichlorobe... | 1.458 | 1.422 | 1.409 | 1.331 | 1.451 | 1.353 | 1.284 | 1.387 | | 4.72 |
| 15) | | Benzyl Alcohol | | 1.023 | 1.025 | 0.976 | 1.106 | 1.032 | 0.985 | 1.025 | | 4.51 |
| 16) | | 2,2'-oxybis(1-... | 1.975 | 1.869 | 1.815 | 1.723 | 1.879 | 1.758 | 1.644 | 1.809 | | 6.12 |
| 17) | | 2-Methylphenol | 1.015 | 0.997 | 0.980 | 0.938 | 1.043 | 0.972 | 0.929 | 0.982 | | 4.13 |
| 18) | | Hexachloroethane | 0.533 | 0.521 | 0.507 | 0.499 | 0.539 | 0.498 | 0.484 | 0.511 | | 3.89 |
| 19) | P | n-Nitroso-di-n... | 0.831 | 0.879 | 0.840 | 0.833 | 0.787 | 0.847 | 0.812 | 0.766 | 0.824 | 4.30 |
| 20) | | 3+4-Methylphenols | | 1.292 | 1.262 | 1.176 | 1.312 | 1.197 | 1.108 | 1.224 | | 6.36 |
| 21) | I | Naphthalene-d8 | ----------ISTD---------- | | | | | | | | | |
| 22) | | Acetophenone | 0.464 | 0.451 | 0.459 | 0.418 | 0.461 | 0.428 | 0.406 | 0.441 | | 5.28 |
| 23) | S | Nitrobenzene-d5 | 0.738 | 0.724 | 0.747 | 0.708 | 0.771 | 0.724 | 0.694 | 0.729 | | 3.48 |
| 24) | | Nitrobenzene | 0.345 | 0.325 | 0.332 | 0.319 | 0.349 | 0.326 | 0.314 | 0.330 | | 3.88 |
| 25) | | Isophorone | 0.611 | 0.582 | 0.592 | 0.555 | 0.616 | 0.584 | 0.554 | 0.585 | | 4.17 |
| 26) | C | 2-Nitrophenol | 0.169 | 0.172 | 0.182 | 0.178 | 0.194 | 0.186 | 0.176 | 0.180 | | 4.85 |
| 27) | | 2,4-Dimethylph... | 0.322 | 0.310 | 0.318 | 0.300 | 0.329 | 0.307 | 0.294 | 0.311 | | 3.99 |
| 28) | | bis(2-Chloroet... | 0.386 | 0.373 | 0.383 | 0.355 | 0.390 | 0.366 | 0.351 | 0.372 | | 4.09 |
| 29) | C | 2,4-Dichloroph... | 0.291 | 0.280 | 0.290 | 0.273 | 0.298 | 0.277 | 0.268 | 0.282 | | 3.77 |
| 30) | | 1,2,4-Trichlor... | 0.324 | 0.316 | 0.318 | 0.299 | 0.324 | 0.301 | 0.292 | 0.310 | | 4.26 |
| 31) | | Naphthalene | 1.051 | 1.002 | 1.004 | 0.934 | 1.017 | 0.943 | 0.902 | 0.979 | | 5.46 |
| 32) | | Benzoic acid | | 0.118 | 0.147 | 0.157 | 0.181 | 0.180 | 0.169 | 0.159 | | 15.08 |
| 33) | | 4-Chloroaniline | 0.414 | 0.408 | 0.409 | 0.379 | 0.421 | 0.393 | 0.363 | 0.398 | | 5.26 |
| 34) | C | Hexachlorobuta... | 0.195 | 0.188 | 0.198 | 0.184 | 0.200 | 0.184 | 0.179 | 0.190 | | 4.30 |
| 35) | | Caprolactam | | 0.073 | 0.075 | 0.072 | 0.081 | 0.078 | 0.069 | 0.075 | | 5.84 |
| 36) | C | 4-Chloro-3-met... | 0.300 | 0.275 | 0.286 | 0.269 | 0.298 | 0.278 | 0.260 | 0.281 | | 5.24 |
| 37) | | 2-Methylnaphth... | 0.655 | 0.621 | 0.629 | 0.579 | 0.631 | 0.583 | 0.550 | 0.607 | | 6.12 |
| 38) | | 1-Methylnaphth... | 0.684 | 0.645 | 0.650 | 0.598 | 0.654 | 0.604 | 0.563 | 0.628 | | 6.56 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 39) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 40) | | 1,2,4,5-Tetrac... | 0.626 | 0.609 | 0.602 | 0.557 | 0.598 | 0.577 | 0.563 | 0.590 | 4.27 |
| 41) | P | Hexachlorocycl... | | 0.235 | 0.308 | 0.336 | 0.365 | 0.376 | 0.389 | 0.335 | 17.02 |
| 42) | S | 2,4,6-Tribromo... | 0.415 | 0.414 | 0.428 | 0.400 | 0.438 | 0.411 | 0.374 | 0.412 | 4.96 |
| 43) | C | 2,4,6-Trichlor... | 0.385 | 0.380 | 0.394 | 0.365 | 0.408 | 0.389 | 0.371 | 0.385 | 3.71 |
| 44) | | 2,4,5-Trichlor... | 0.407 | 0.403 | 0.421 | 0.391 | 0.416 | 0.407 | 0.388 | 0.405 | 2.95 |
| 45) | S | 2-Fluorobiphenyl | 3.480 | 3.272 | 3.184 | 2.861 | 2.999 | 2.816 | 2.702 | 3.045 | 9.15 |
| 46) | | 1,1'-Biphenyl | 1.701 | 1.616 | 1.637 | 1.505 | 1.609 | 1.525 | 1.466 | 1.580 | 5.27 |
| 47) | | 2-Chloronaphth... | 1.300 | 1.202 | 1.208 | 1.129 | 1.209 | 1.145 | 1.106 | 1.186 | 5.50 |
| 48) | | 2-Nitroaniline | 0.321 | 0.329 | 0.337 | 0.324 | 0.358 | 0.337 | 0.320 | 0.332 | 3.93 |
| 49) | | Acenaphthylene | 2.110 | 2.006 | 2.011 | 1.861 | 1.995 | 1.891 | 1.787 | 1.952 | 5.64 |
| 50) | | Dimethylphthalate | 1.372 | 1.334 | 1.330 | 1.228 | 1.335 | 1.277 | 1.186 | 1.295 | 5.17 |
| 51) | | 2,6-Dinitrotol... | 0.297 | 0.279 | 0.290 | 0.277 | 0.294 | 0.284 | 0.268 | 0.284 | 3.57 |
| 52) | C | Acenaphthene | 1.247 | 1.199 | 1.241 | 1.142 | 1.228 | 1.172 | 1.107 | 1.191 | 4.44 |
| 53) | | 3-Nitroaniline | 0.311 | 0.311 | 0.316 | 0.302 | 0.338 | 0.320 | 0.292 | 0.313 | 4.52 |
| 54) | P | 2,4-Dinitrophenol | | 0.095 | 0.129 | 0.142 | 0.173 | 0.163 | 0.152 | 0.142 | 19.61 |
| 55) | | Dibenzofuran | 1.844 | 1.772 | 1.763 | 1.626 | 1.752 | 1.660 | 1.537 | 1.708 | 6.13 |
| 56) | P | 4-Nitrophenol | | 0.189 | 0.218 | 0.208 | 0.238 | 0.229 | 0.203 | 0.214 | 8.25 |
| 57) | | 2,4-Dinitrotol... | 0.373 | 0.378 | 0.397 | 0.367 | 0.407 | 0.383 | 0.338 | 0.378 | 5.90 |
| 58) | | Fluorene | 1.464 | 1.412 | 1.395 | 1.260 | 1.362 | 1.260 | 1.183 | 1.334 | 7.58 |
| 59) | | 2,3,4,6-Tetrac... | 0.327 | 0.327 | 0.339 | 0.312 | 0.345 | 0.331 | 0.304 | 0.326 | 4.43 |
| 60) | | Diethylphthalate | 1.328 | 1.302 | 1.319 | 1.211 | 1.318 | 1.266 | 1.141 | 1.269 | 5.50 |
| 61) | | 4-Chlorophenyl... | 0.713 | 0.656 | 0.669 | 0.599 | 0.640 | 0.609 | 0.568 | 0.636 | 7.64 |
| 62) | | 4-Nitroaniline | 0.279 | 0.276 | 0.297 | 0.272 | 0.316 | 0.300 | 0.264 | 0.286 | 6.48 |
| 63) | | Azobenzene | 1.215 | 1.149 | 1.167 | 1.081 | 1.176 | 1.122 | 1.032 | 1.134 | 5.47 |
| 64) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 65) | | 4,6-Dinitro-2-... | | 0.099 | 0.119 | 0.119 | 0.134 | 0.130 | 0.125 | 0.121 | 10.04 |
| 66) | c | n-Nitrosodiphe... | 0.736 | 0.686 | 0.710 | 0.670 | 0.717 | 0.671 | 0.662 | 0.693 | 4.07 |
| 67) | | 4-Bromophenyl-... | 0.231 | 0.221 | 0.235 | 0.218 | 0.236 | 0.228 | 0.225 | 0.228 | 3.03 |
| 68) | | Hexachlorobenzene | 0.263 | 0.248 | 0.257 | 0.241 | 0.262 | 0.252 | 0.247 | 0.253 | 3.29 |
| 69) | | Atrazine | 0.176 | 0.172 | 0.180 | 0.174 | 0.195 | 0.183 | 0.174 | 0.179 | 4.48 |
| 70) | C | Pentachlorophenol | | 0.102 | 0.119 | 0.125 | 0.142 | 0.135 | 0.133 | 0.126 | 11.30 |
| 71) | | Phenanthrene | 1.183 | 1.113 | 1.115 | 1.031 | 1.122 | 1.028 | 0.992 | 1.083 | 6.24 |
| 72) | | Anthracene | 1.226 | 1.123 | 1.149 | 1.064 | 1.140 | 1.065 | 1.011 | 1.111 | 6.35 |
| 73) | | Carbazole | 1.040 | 0.986 | 0.999 | 0.900 | 1.002 | 0.920 | 0.866 | 0.959 | 6.67 |
| 74) | | Di-n-butylphth... | 0.997 | 1.006 | 1.045 | 0.946 | 1.073 | 0.989 | 0.936 | 0.999 | 4.92 |
| 75) | C | Fluoranthene | 1.136 | 1.088 | 1.090 | 0.954 | 1.059 | 0.972 | 0.899 | 1.028 | 8.44 |
| 76) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 77) | | Benzidine | | 0.745 | 0.860 | 0.773 | 0.824 | 0.719 | 0.587 | 0.751 | 12.71 |
| 78) | | Pyrene | 2.110 | 1.940 | 1.968 | 1.742 | 2.030 | 1.863 | 1.468 | 1.875 | 11.43 |
| 79) | S | Terphenyl-d14 | 3.383 | 3.111 | 3.066 | 2.655 | 3.070 | 2.772 | 2.208 | 2.895 | 13.30 |
| 80) | | Butylbenzylpht... | 0.478 | 0.470 | 0.538 | 0.547 | 0.613 | 0.597 | 0.563 | 0.544 | 10.01 |
| 81) | | Benzo(a)anthra... | 1.392 | 1.358 | 1.366 | 1.265 | 1.403 | 1.376 | 1.284 | 1.349 | 3.98 |
| 82) | | 3,3'-Dichlorob... | | 0.398 | 0.440 | 0.429 | 0.476 | 0.445 | 0.438 | 0.438 | 5.73 |
| 83) | | Chrysene | 1.243 | 1.191 | 1.208 | 1.164 | 1.295 | 1.177 | 1.150 | 1.204 | 4.17 |
| 84) | | Bis(2-ethylhex... | 0.650 | 0.675 | 0.767 | 0.803 | 0.861 | 0.843 | 0.878 | 0.782 | 11.52 |
| 85) | c | Di-n-octyl pht... | | 1.207 | 1.352 | 1.463 | 1.610 | 1.569 | 1.651 | 1.475 | 11.54 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 86) I | Perylene-d12 | ----------ISTD---------- | | | | | | | | |
| 87) | Indeno(1,2,3-c... | 1.528 | 1.488 | 1.545 | 1.474 | 1.648 | 1.539 | 1.442 | 1.523 | 4.38 |
| 88) | Benzo(b)fluora... | 1.164 | 1.220 | 1.226 | 1.072 | 1.152 | 1.197 | 1.070 | 1.157 | 5.61 |
| 89) | Benzo(k)fluora... | 1.206 | 1.004 | 1.035 | 1.037 | 1.193 | 1.038 | 1.068 | 1.083 | 7.55 |
| 90) C | Benzo(a)pyrene | 1.142 | 1.065 | 1.124 | 1.069 | 1.201 | 1.141 | 1.084 | 1.118 | 4.37 |
| 91) | Dibenzo(a,h)an... | 1.249 | 1.214 | 1.293 | 1.180 | 1.337 | 1.240 | 1.152 | 1.238 | 5.13 |
| 92) | Benzo(g,h,i)pe... | 1.239 | 1.198 | 1.266 | 1.188 | 1.332 | 1.255 | 1.161 | 1.234 | 4.66 |

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142788.D
Acq On : 19 Jun 2025 17:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 20 04:37:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 77977 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 295295 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.922 | 164 | 153580 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.410 | 188 | 258429 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.051 | 240 | 149767 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 154736 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 0.000 | 112 | 0d | 0.000 | ng | |
| 7) Phenol-d6 | 0.000 | 99 | 0d | 0.000 | ng | |
| 23) Nitrobenzene-d5 | 0.000 | 82 | 0d | 0.000 | ng | |
| 42) 2,4,6-Tribromophenol | 0.000 | 330 | 0d | 0.000 | ng | |
| 45) 2-Fluorobiphenyl | 0.000 | 172 | 0d | 0.000 | ng | |
| 79) Terphenyl-d14 | 0.000 | 244 | 0d | 0.000 | ng | |
| Target Compounds | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propyla... | 7.281 | 70 | 8100 | 2.392 | ng | 97 |

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

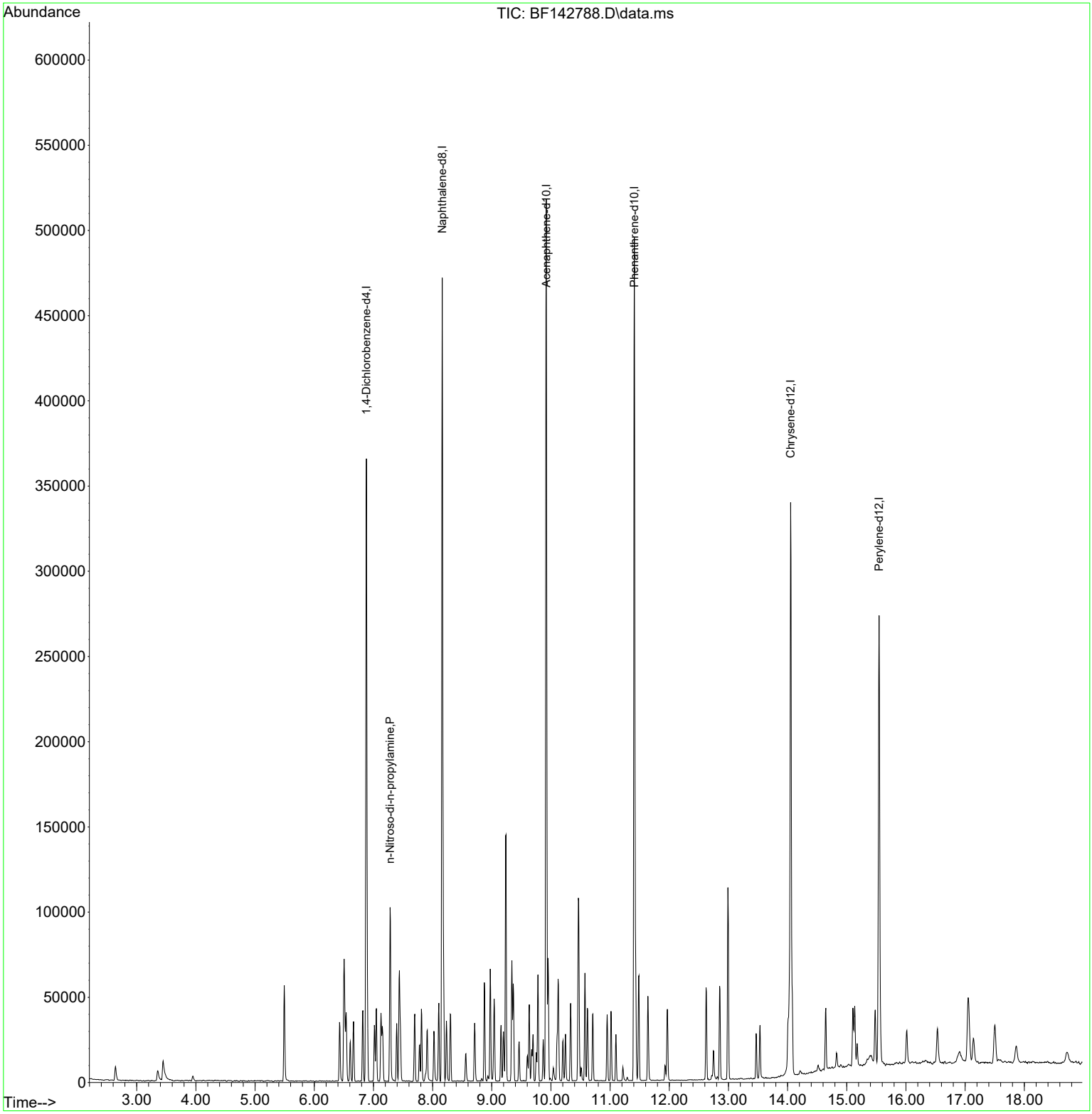
Quantitation Report (QT Reviewed)

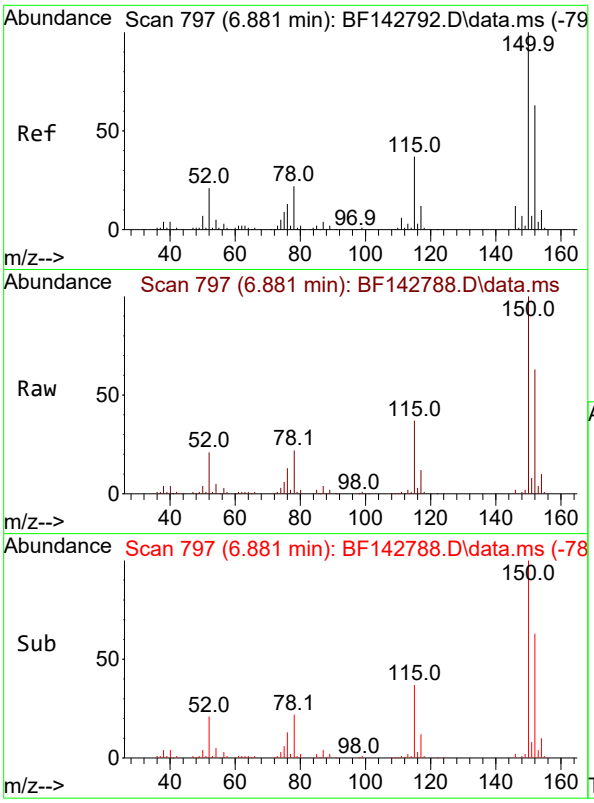
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142788.D
Acq On : 19 Jun 2025 17:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 20 04:37:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



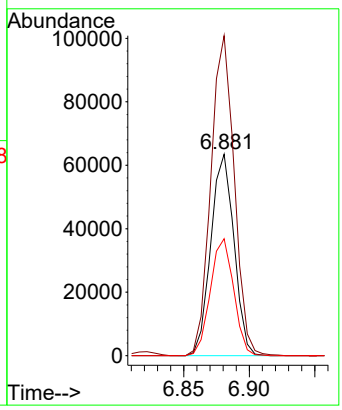


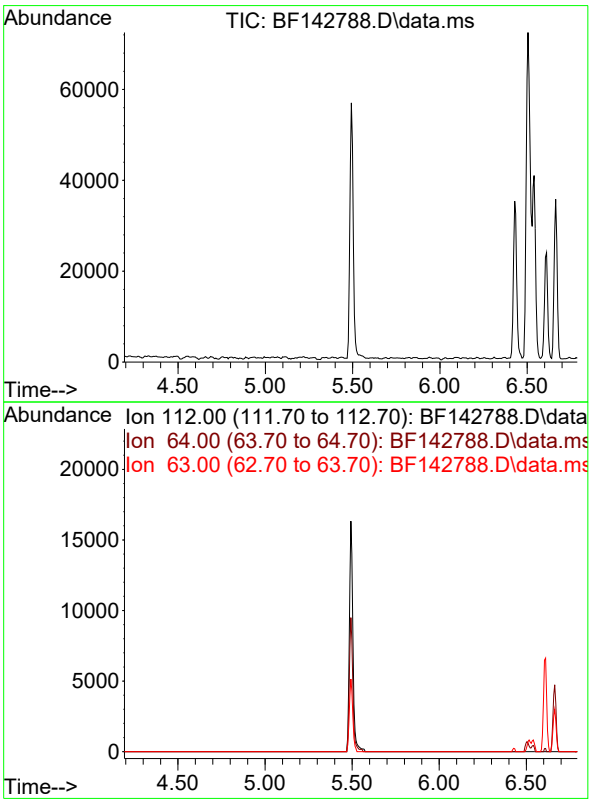

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

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

Tgt Ion:152 Resp: 77977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.8 | 127.2 | 190.8 |
| 115 | 58.1 | 46.6 | 69.8 |



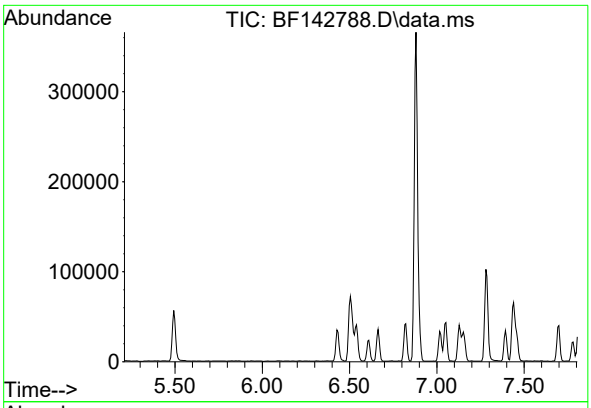




#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.49 min

Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Tgt Ion: 112

| Sig | Exp Ratio |
|---|---|
| 112 | 100 |
| 64 | 60.2 |
| 63 | 32.1 |



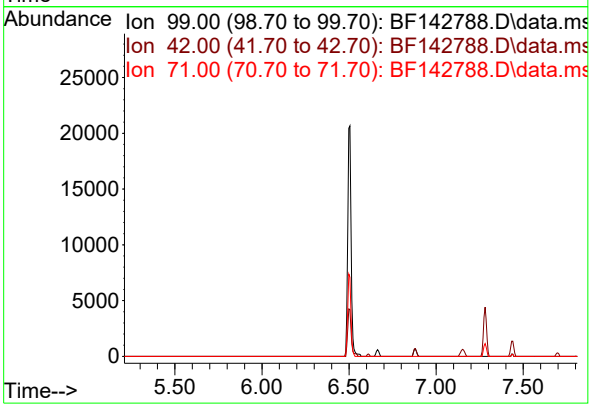

#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.51 min

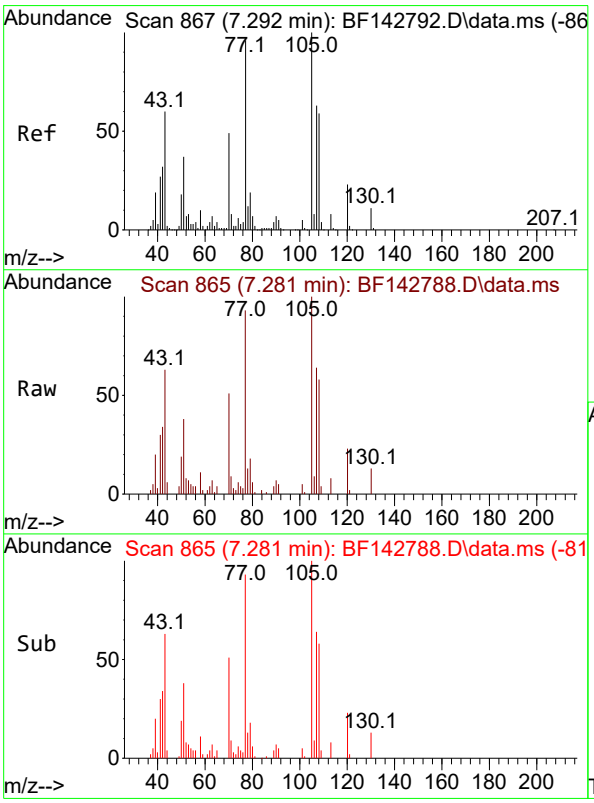
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

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

Tgt Ion: 99

| Sig | Exp Ratio |
|---|---|
| 99 | 100 |
| 42 | 19.9 |
| 71 | 34.8 |

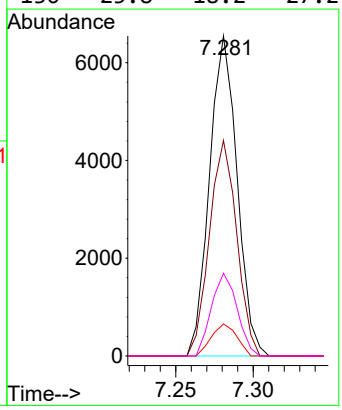


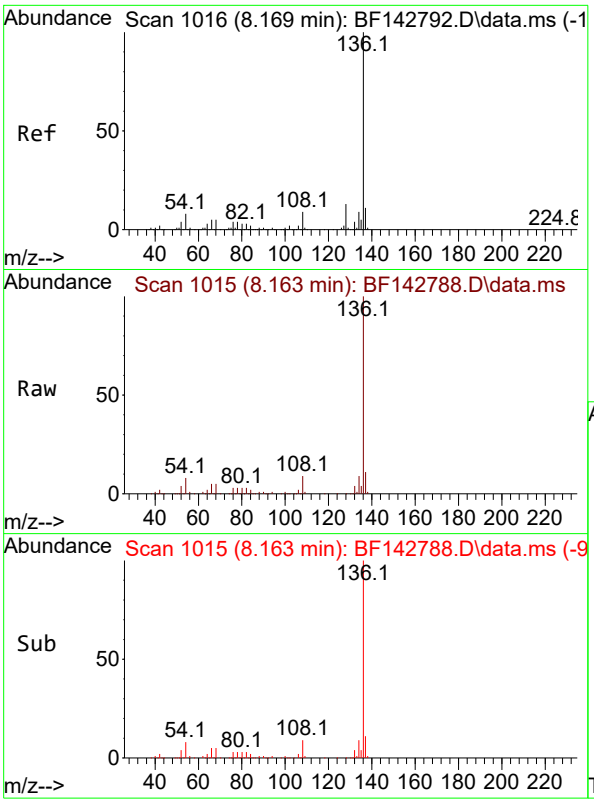




#19
n-Nitroso-di-n-propylamine
Concen: 2.392 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Tgt Ion: 70 Resp: 8100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 67.3 | 52.1 | 78.1 |
| 101 | 10.0 | 8.2 | 12.2 |
| 130 | 25.8 | 18.2 | 27.2 |



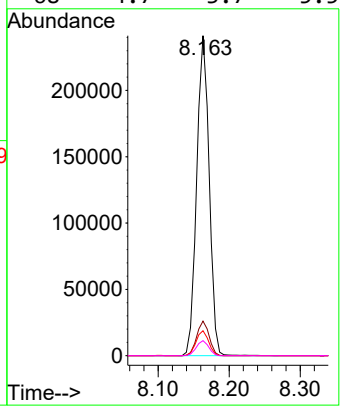


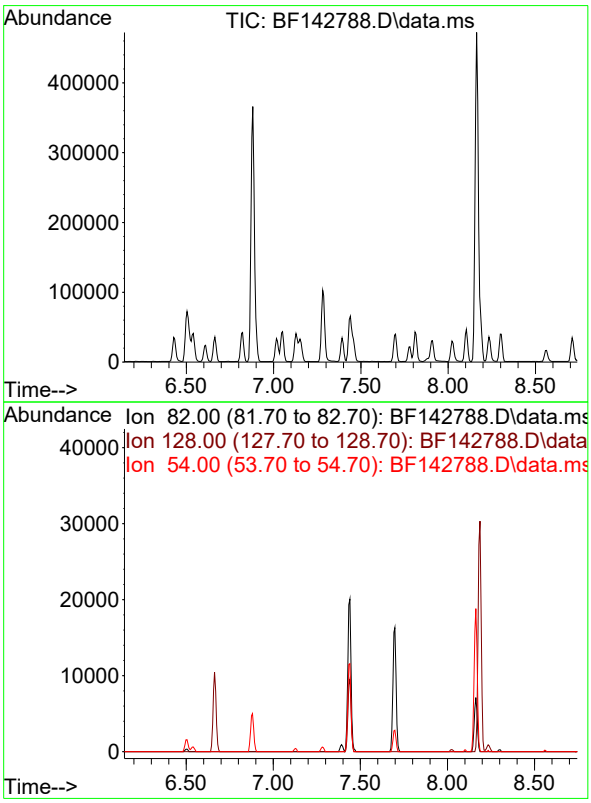

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

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

Tgt Ion:136 Resp: 295295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.4 | 12.6 |
| 54 | 7.8 | 6.3 | 9.5 |
| 68 | 4.7 | 3.7 | 5.5 |



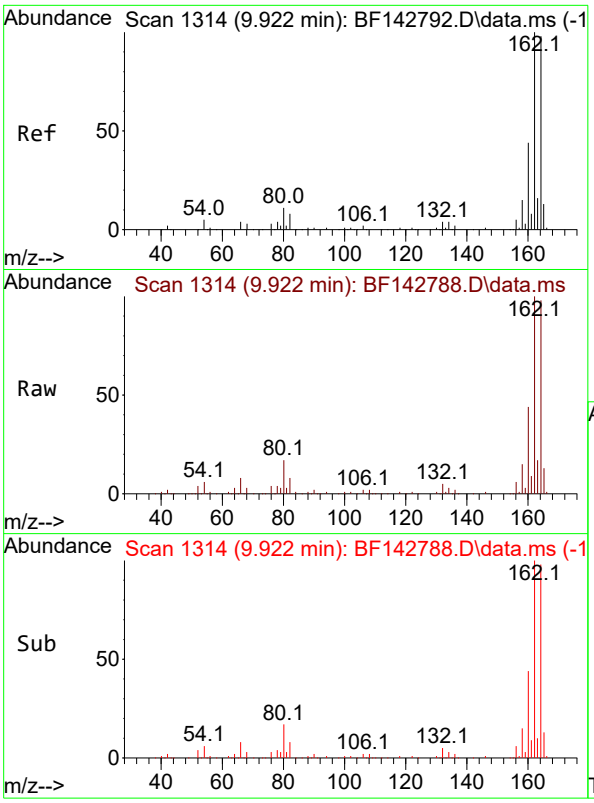




#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.45 min

Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Tgt Ion: 82

| Sig | Exp Ratio |
|---|---|
| 82 | 100 |
| 128 | 47.1 |
| 54 | 57.1 |

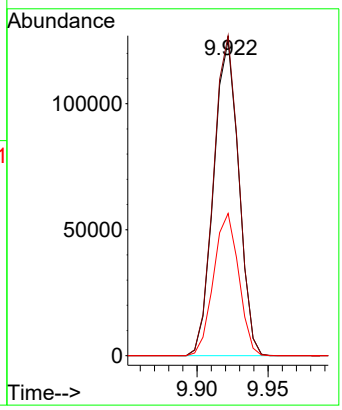


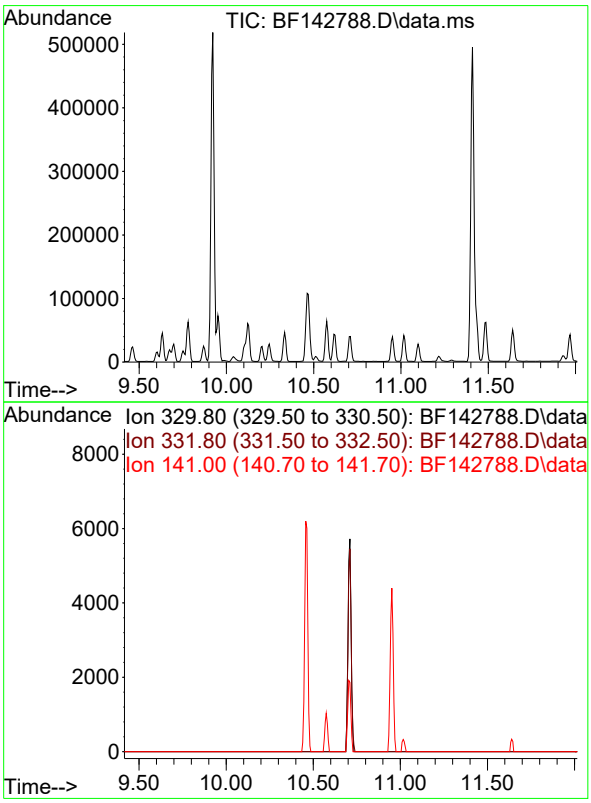

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

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

Tgt Ion:164 Resp: 153580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.6 | 81.8 | 122.8 |
| 160 | 45.1 | 36.0 | 54.0 |



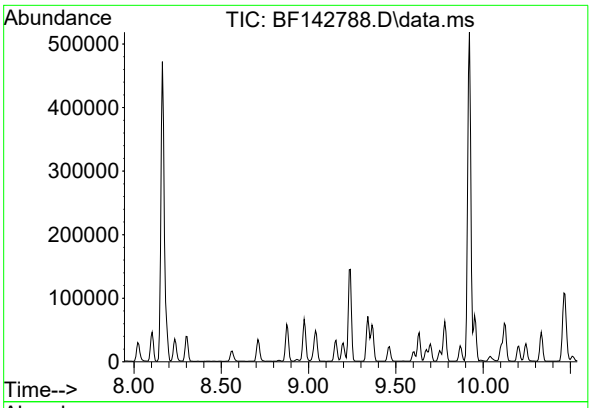




#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.72 min

Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Tgt Ion: 330

| Sig | Exp Ratio |
|---|---|
| 330 | 100 |
| 332 | 93.8 |
| 141 | 31.6 |



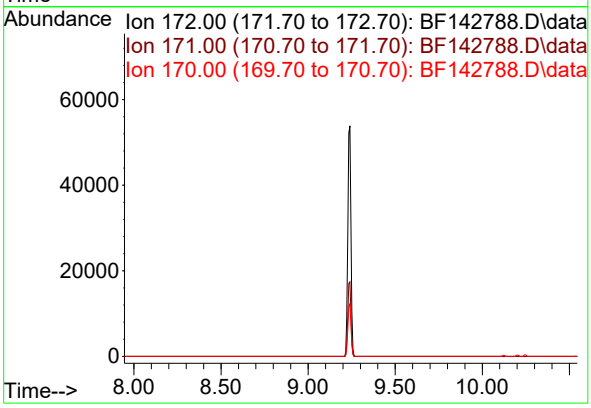

#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.25 min

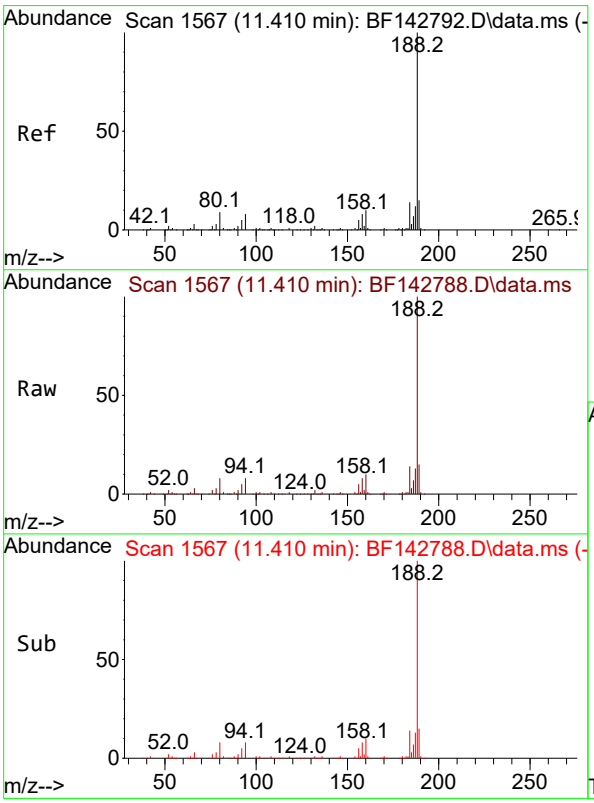
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

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

Tgt Ion: 172

| Sig | Exp Ratio |
|---|---|
| 172 | 100 |
| 171 | 35.3 |
| 170 | 23.1 |

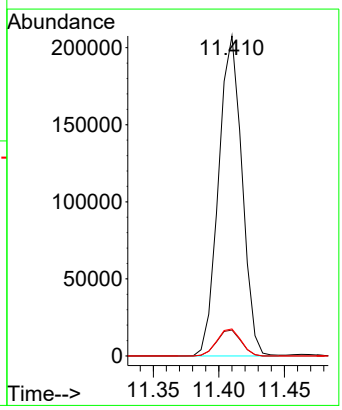


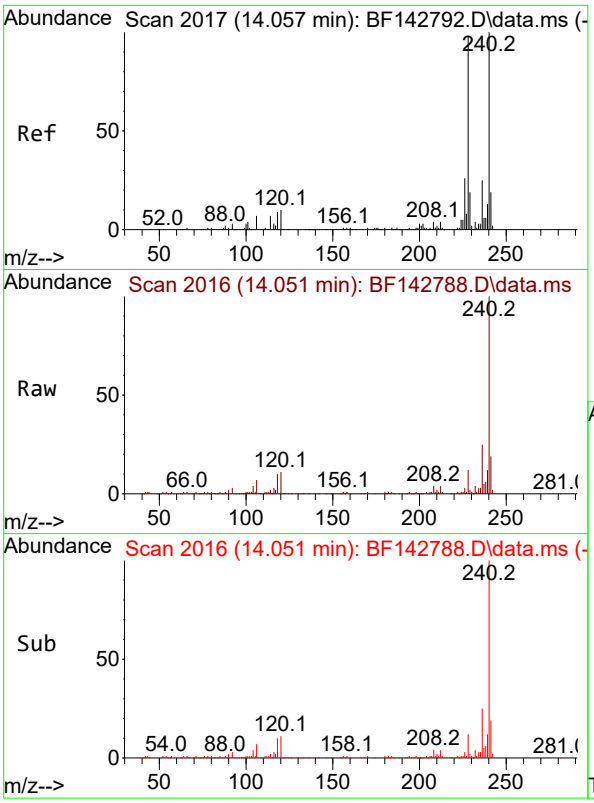




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Tgt Ion:188 Resp: 258429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.1 | 6.7 | 10.1 |
| 80 | 8.5 | 6.9 | 10.3 |



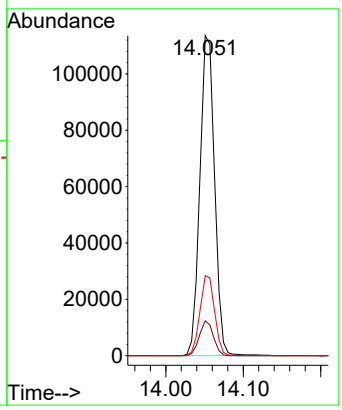


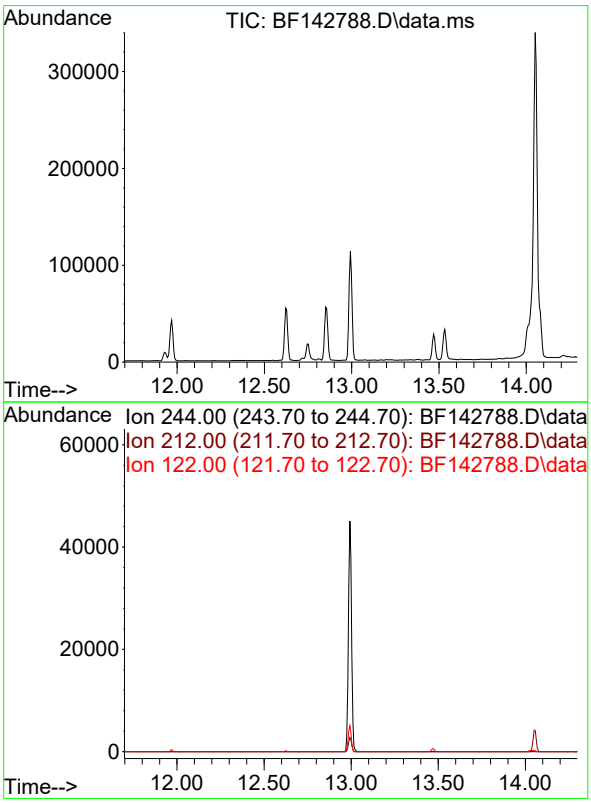

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

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

Tgt Ion:240 Resp: 149767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.9 | 8.2 | 12.2 |
| 236 | 25.0 | 19.8 | 29.8 |



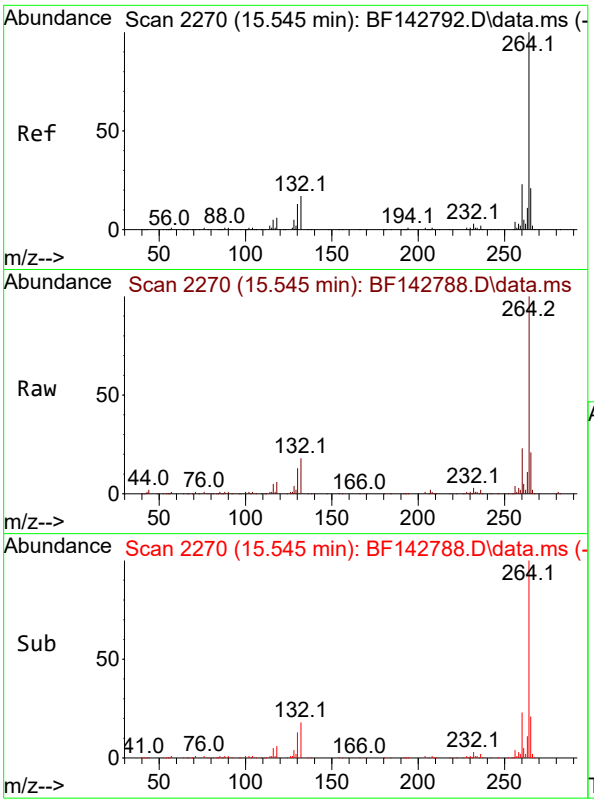




#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.00 min

Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Tgt Ion: 244

| Sig | Exp Ratio |
|---|---|
| 244 | 100 |
| 212 | 6.7 |
| 122 | 10.2 |

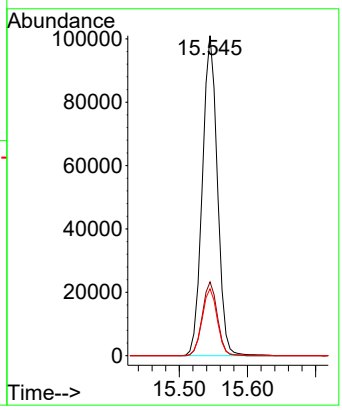



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

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

Tgt Ion:264 Resp: 154736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 18.1 | 27.1 |
| 265 | 20.9 | 16.6 | 25.0 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142789.D
Acq On : 19 Jun 2025 17:38
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jun 20 04:37:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 80144 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 305306 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.922 | 164 | 162729 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.410 | 188 | 277233 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.051 | 240 | 151689 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 132284 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 49599 | 10.555 | ng | 0.00 |
| 7) Phenol-d6 | 6.498 | 99 | 60590 | 10.981 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.439 | 82 | 56291 | 10.106 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 16892 | 9.551 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.239 | 172 | 141565 | 11.573 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.992 | 244 | 128289 | 11.771 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.652 | 88 | 9589 | 5.139 | ng | 95 |
| 3) Pyridine | 3.434 | 79 | 23835 | 5.102 | ng | 98 |
| 6) Aniline | 6.540 | 93 | 39088 | 5.286 | ng | 97 |
| 8) 2-Chlorophenol | 6.663 | 128 | 27282 | 5.332 | ng | 96 |
| 10) Phenol | 6.516 | 94 | 33027 | 5.369 | ng | 94 |
| 11) bis(2-Chloroethyl)ether | 6.610 | 93 | 23378 | 5.122 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 30770 | 5.281 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 31311 | 5.302 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 29215 | 5.175 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151 | 45 | 39577 | 5.503 | ng | 99 |
| 17) 2-Methylphenol | 7.128 | 107 | 20336 | 5.199 | ng | 99 |
| 18) Hexachloroethane | 7.392 | 117 | 10670 | 5.054 | ng | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.281 | 70 | 17612 | 5.061 | ng | 98 |
| 22) Acetophenone | 7.281 | 105 | 35396 | 5.240 | ng | 95 |
| 24) Nitrobenzene | 7.457 | 77 | 26353 | 5.324 | ng | 98 |
| 25) Isophorone | 7.698 | 82 | 46673 | 4.997 | ng | 99 |
| 26) 2-Nitrophenol | 7.781 | 139 | 12914 | 4.682 | ng | 99 |
| 27) 2,4-Dimethylphenol | 7.810 | 122 | 24614 | 5.242 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.910 | 93 | 29467 | 5.068 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.022 | 162 | 22222 | 5.134 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.104 | 180 | 24724 | 5.171 | ng | 98 |
| 31) Naphthalene | 8.187 | 128 | 80247 | 5.344 | ng | 99 |
| 33) 4-Chloroaniline | 8.234 | 127 | 31626 | 5.256 | ng | 98 |
| 34) Hexachlorobutadiene | 8.304 | 225 | 14900 | 4.918 | ng | 97 |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 22861 | 5.113 | ng | 98 |
| 37) 2-Methylnaphthalene | 8.875 | 142 | 50024 | 5.281 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.975 | 142 | 52193 | 5.307 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.045 | 216 | 25456 | 5.419 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.157 | 196 | 15667 | 5.154 | ng | 100 |
| 44) 2,4,5-Trichlorophenol | 9.192 | 196 | 16563 | 5.045 | ng | 97 |
| 46) 1,1'-Biphenyl | 9.339 | 154 | 69218 | 5.478 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.363 | 162 | 52868 | 5.670 | ng | 98 |
| 48) 2-Nitroaniline | 9.457 | 65 | 13076 | 4.937 | ng | 96 |
| 49) Acenaphthylene | 9.781 | 152 | 85856 | 5.477 | ng | 99 |
| 50) Dimethylphthalate | 9.633 | 163 | 55804 | 5.170 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.698 | 165 | 12080 | 5.163 | ng | 98 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142789.D
Acq On : 19 Jun 2025 17:38
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jun 20 04:37:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 52) Acenaphthene | 9.951 | 154 | 50726 | 5.230 ng | | 97 |
| 53) 3-Nitroaniline | 9.869 | 138 | 12667 | 4.984 ng | | 99 |
| 55) Dibenzofuran | 10.122 | 168 | 74998 | 5.420 ng | | 99 |
| 57) 2,4-Dinitrotoluene | 10.104 | 165 | 15173 | 4.904 ng | | 96 |
| 58) Fluorene | 10.469 | 166 | 59558 | 5.453 ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232 | 13285 | 4.827 ng | # | 97 |
| 60) Diethylphthalate | 10.333 | 149 | 54038 | 5.040 ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204 | 29011 | 5.469 ng | | 98 |
| 62) 4-Nitroaniline | 10.475 | 138 | 11342 | 4.971 ng | | 97 |
| 63) Azobenzene | 10.616 | 77 | 49436 | 5.276 ng | | 99 |
| 66) n-Nitrosodiphenylamine | 10.575 | 169 | 51021 | 5.356 ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248 | 15996 | 4.927 ng | | 99 |
| 68) Hexachlorobenzene | 11.016 | 284 | 18237 | 5.059 ng | | 97 |
| 69) Atrazine | 11.098 | 200 | 12221 | 4.832 ng | | 98 |
| 71) Phenanthrene | 11.433 | 178 | 81962 | 5.522 ng | | 99 |
| 72) Anthracene | 11.486 | 178 | 84944 | 5.529 ng | | 99 |
| 73) Carbazole | 11.639 | 167 | 72067 | 5.601 ng | | 100 |
| 74) Di-n-butylphthalate | 11.969 | 149 | 69083 | 4.850 ng | | 99 |
| 75) Fluoranthene | 12.622 | 202 | 78721 | 5.582 ng | | 99 |
| 78) Pyrene | 12.851 | 202 | 80026 | 5.739 ng | | 100 |
| 80) Butylbenzylphthalate | 13.469 | 149 | 18113 | 4.383 ng | | 96 |
| 81) Benzo(a)anthracene | 14.045 | 228 | 52785 | 5.300 ng | | 100 |
| 83) Chrysene | 14.080 | 228 | 47142 | 5.084 ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149 | 24641 | 4.002 ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 17.045 | 276 | 50546 | 5.168 ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.104 | 252 | 38493 | 4.996 ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.133 | 252 | 39874 | 5.302 ng | | 97 |
| 90) Benzo(a)pyrene | 15.480 | 252 | 37779 | 5.124 ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.062 | 278 | 41301 | 5.194 ng | | 100 |
| 92) Benzo(g,h,i)perylene | 17.504 | 276 | 40975 | 5.165 ng | | 99 |

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

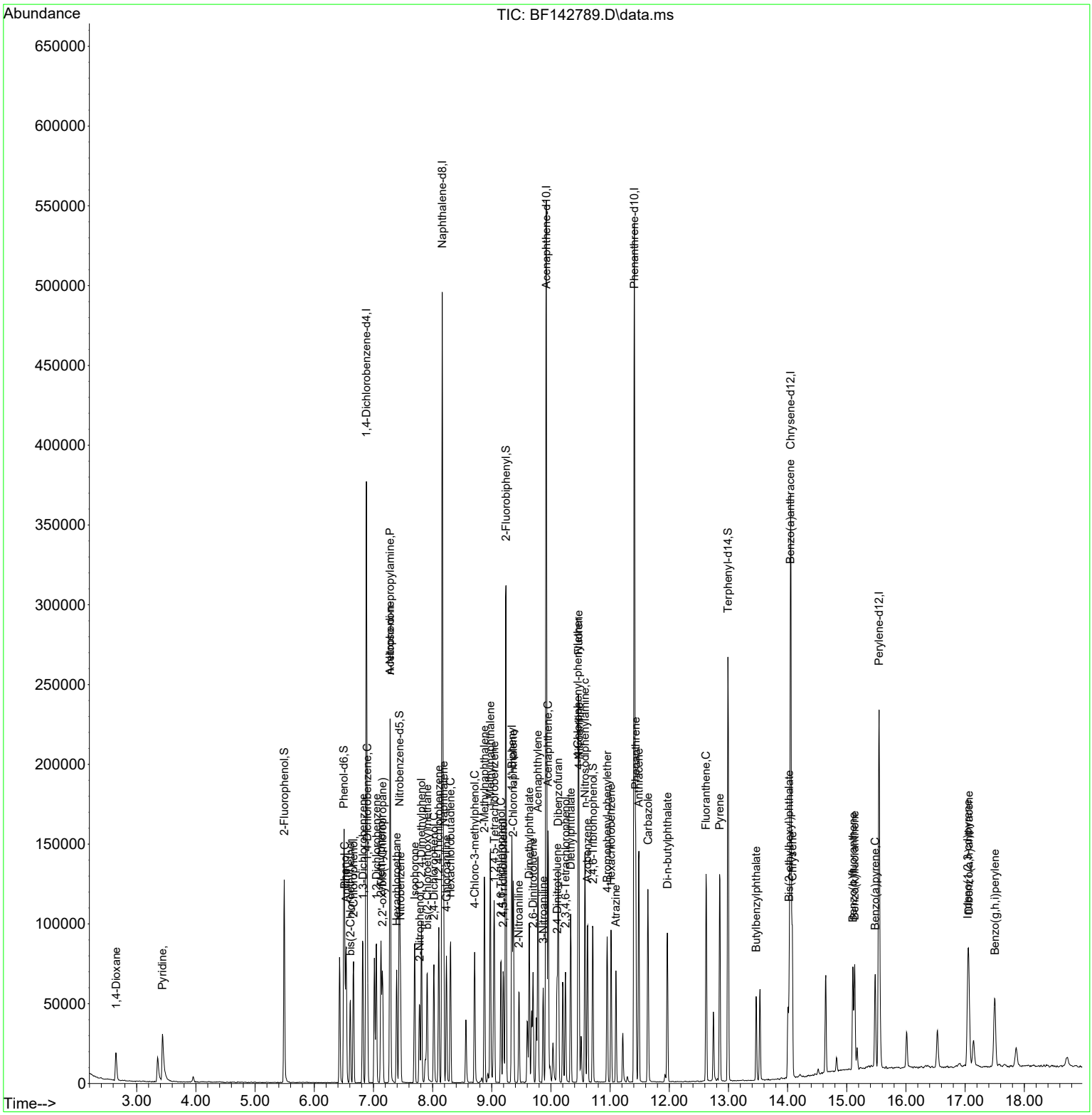
Quantitation Report (QT Reviewed)

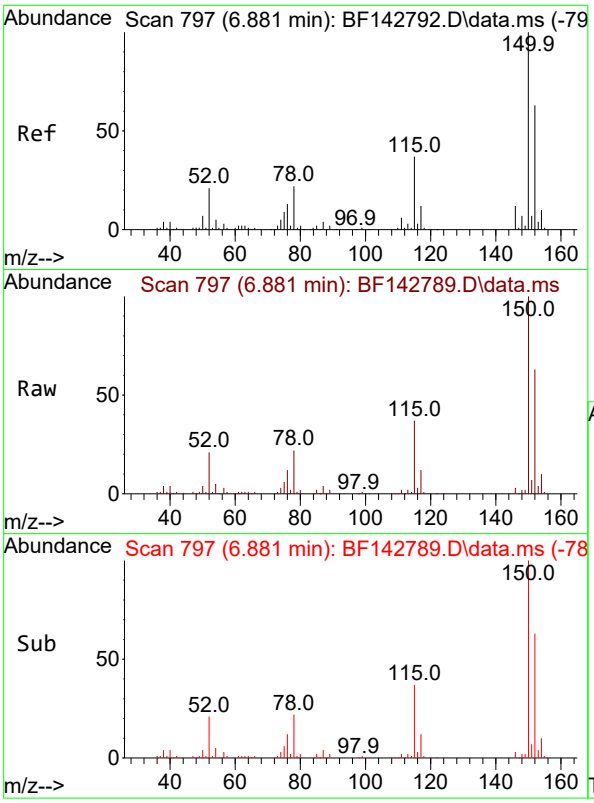
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142789.D
Acq On : 19 Jun 2025 17:38
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jun 20 04:37:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



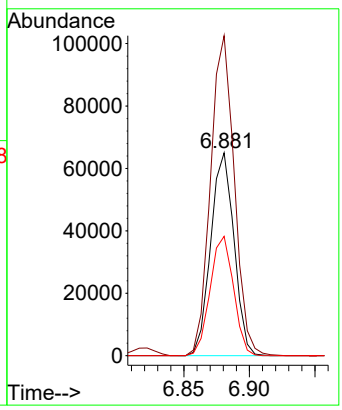


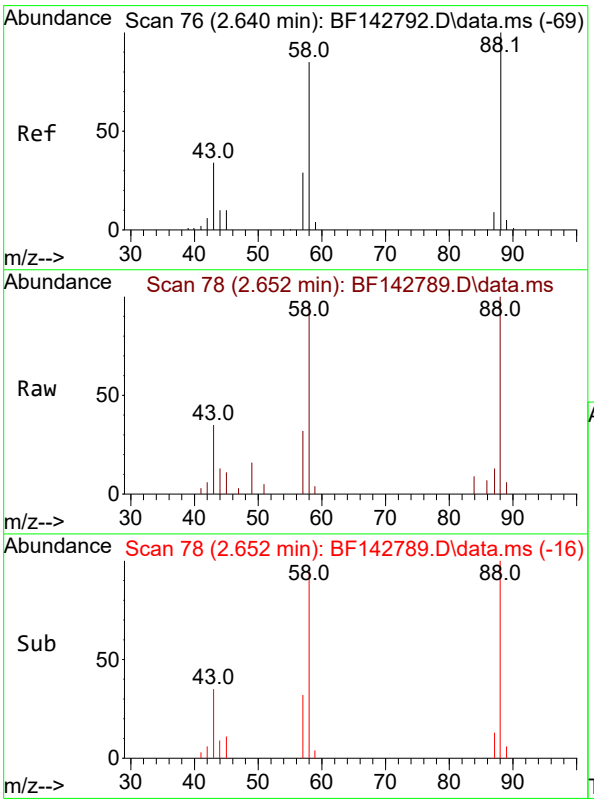

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:152 Resp: 80144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.7 | 127.2 | 190.8 |
| 115 | 58.8 | 46.6 | 69.8 |

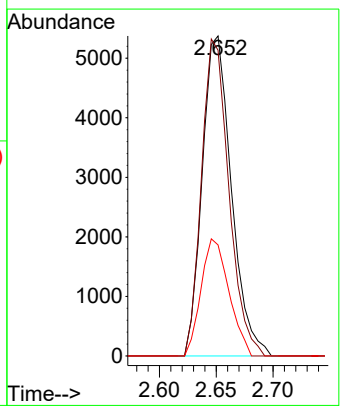


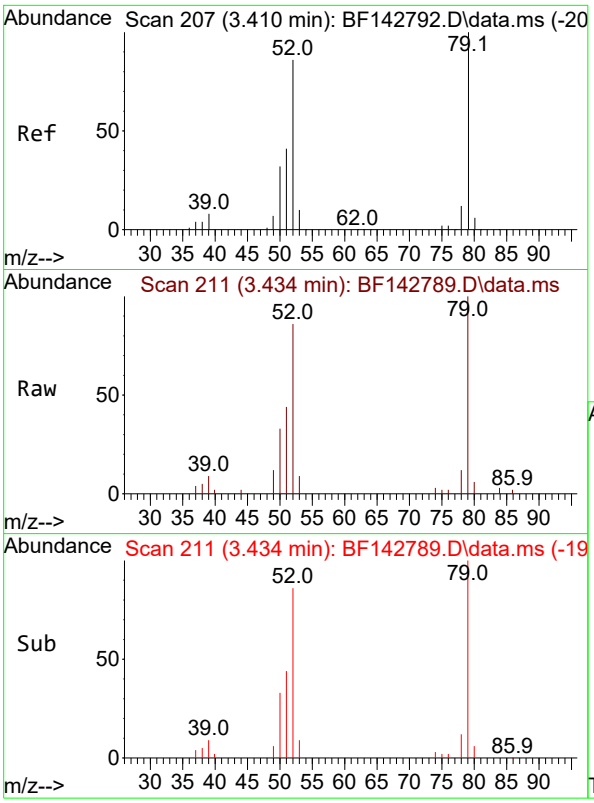




#2
1,4-Dioxane
Concen: 5.139 ng
RT: 2.652 min Scan# 78
Delta R.T. 0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 88 Resp: 9589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 92.9 | 69.1 | 103.7 |
| 43 | 35.1 | 27.4 | 41.2 |



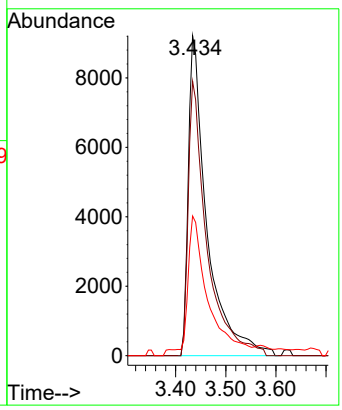


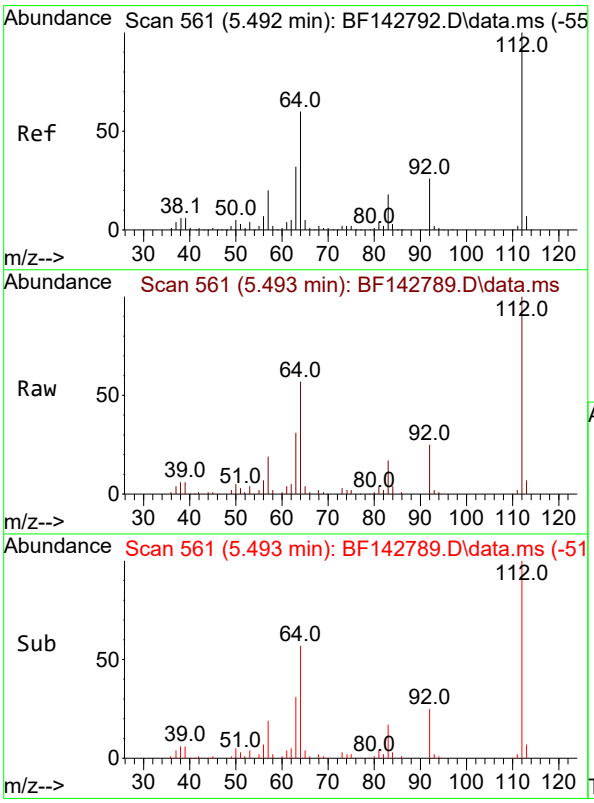

#3
Pyridine
Concen: 5.102 ng
RT: 3.434 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion: 79 Resp: 23835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 85.8 | 69.2 | 103.8 |
| 51 | 43.7 | 33.2 | 49.8 |

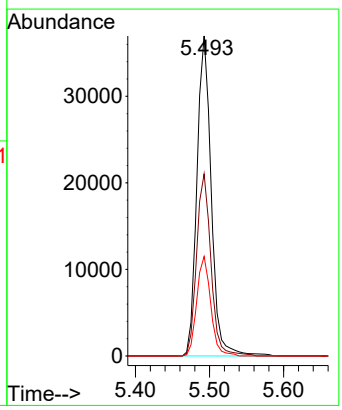


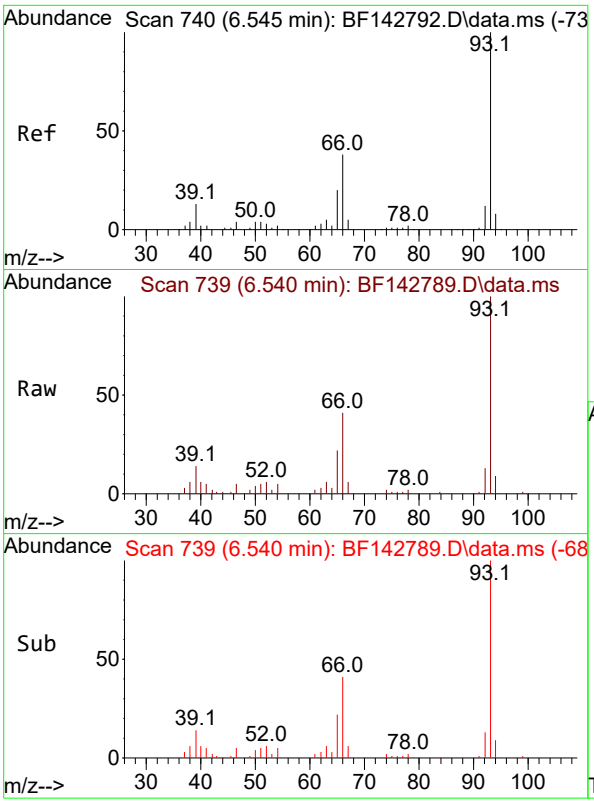




#5
2-Fluorophenol
Concen: 10.555 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:112 Resp: 49599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.9 | 48.2 | 72.2 |
| 63 | 31.1 | 25.7 | 38.5 |



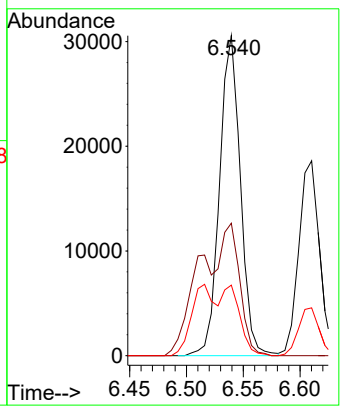


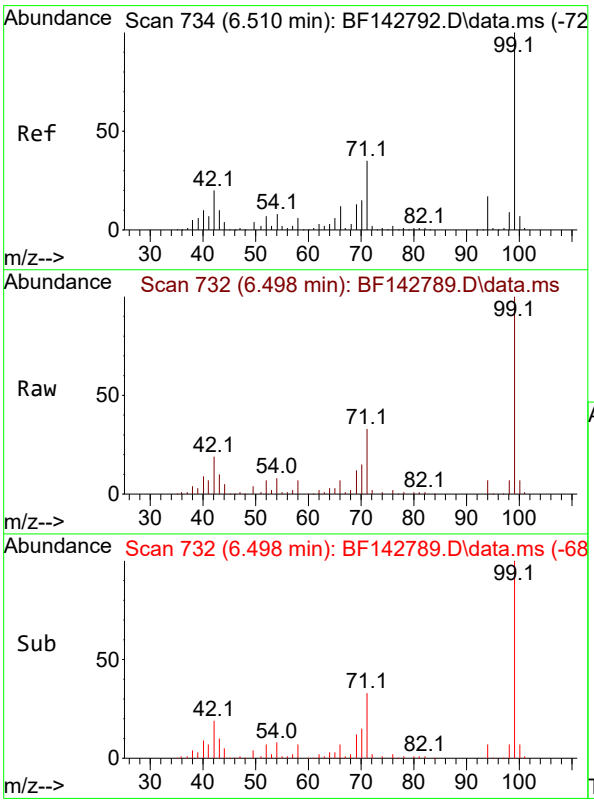

#6
Aniline
Concen: 5.286 ng
RT: 6.540 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion: 93 Resp: 39088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 41.4 | 31.8 | 47.6 |
| 65 | 22.0 | 16.2 | 24.2 |

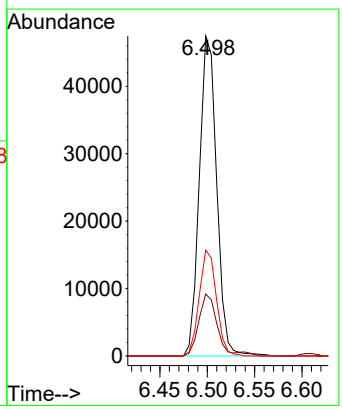


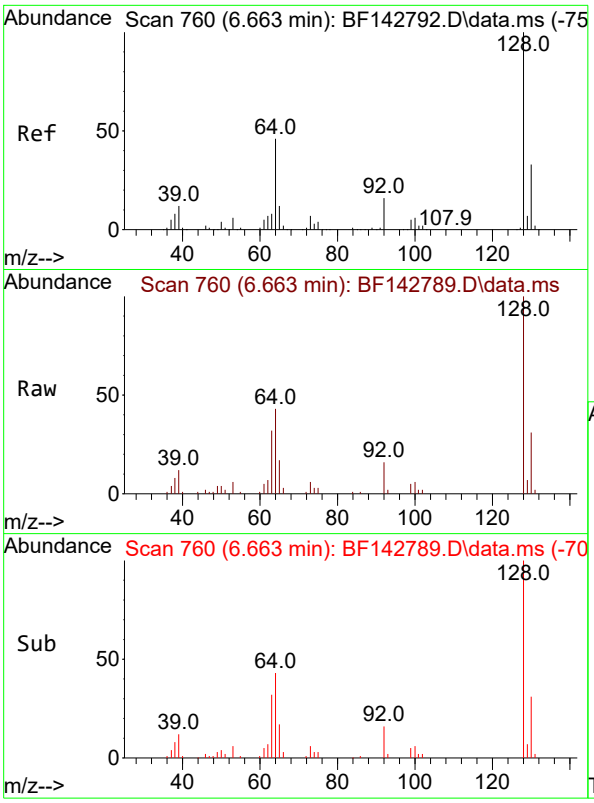




#7
Phenol-d6
Concen: 10.981 ng
RT: 6.498 min Scan# 732
Delta R.T. -0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 99 Resp: 60590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.4 | 15.9 | 23.9 |
| 71 | 33.1 | 27.8 | 41.8 |



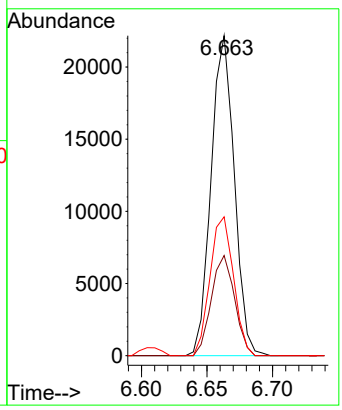


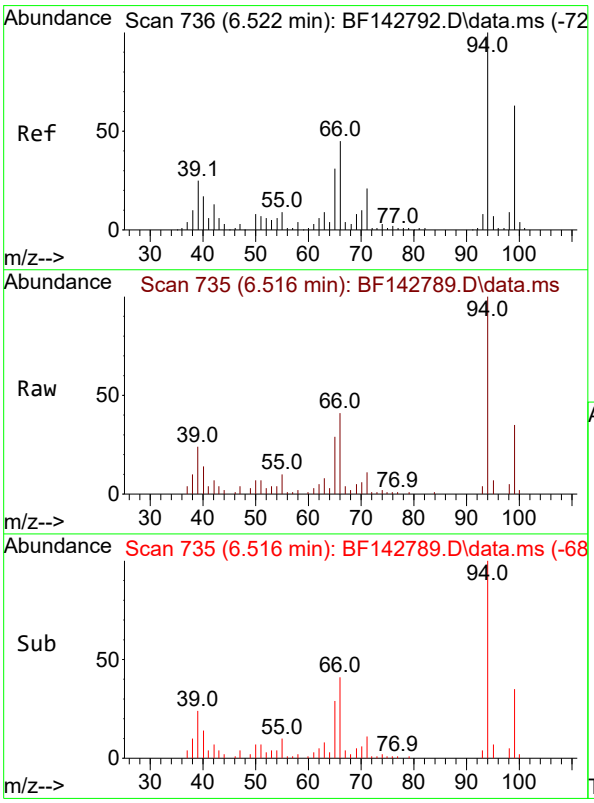

#8
2-Chlorophenol
Concen: 5.332 ng
RT: 6.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:128 Resp: 27282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.3 | 12.7 | 52.7 |
| 64 | 43.4 | 26.5 | 66.5 |

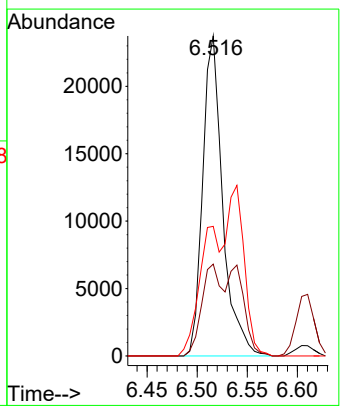


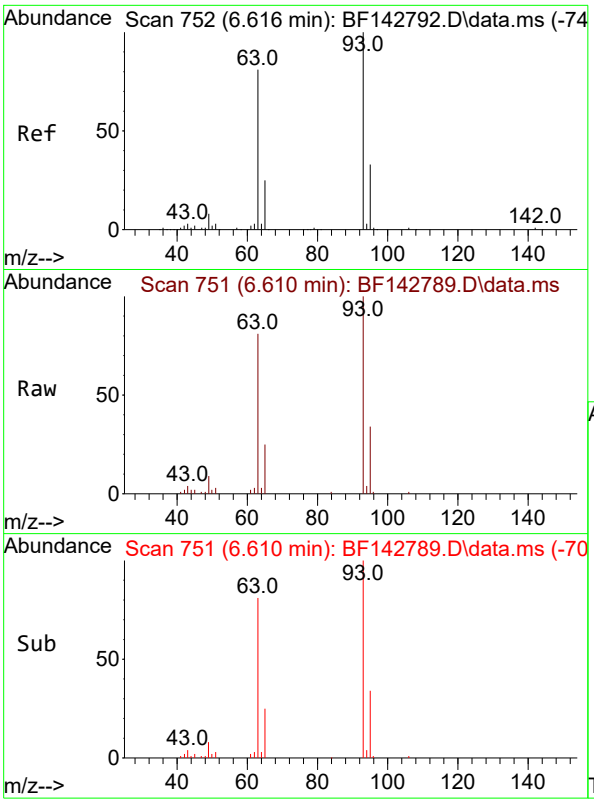




#10
Phenol
Concen: 5.369 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 94 Resp: 33027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.7 | 11.3 | 51.3 |
| 66 | 40.5 | 24.9 | 64.9 |



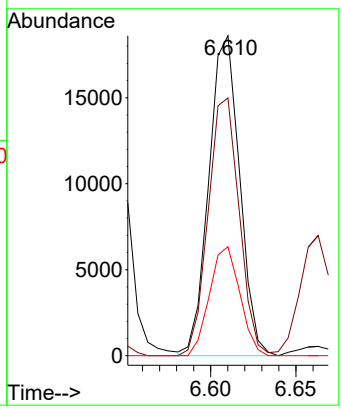


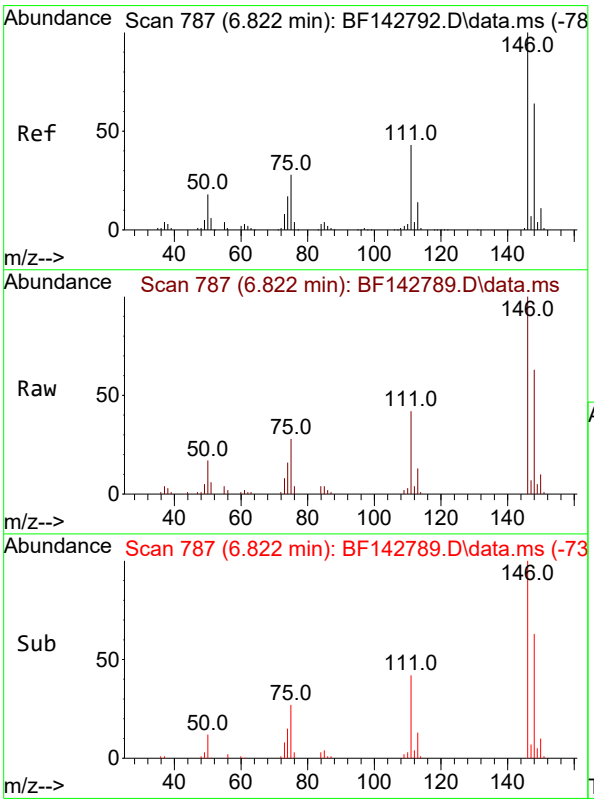

#11
bis(2-Chloroethyl)ether
Concen: 5.122 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion: 93 Resp: 23378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 80.6 | 60.3 | 100.3 |
| 95 | 34.1 | 12.5 | 52.5 |

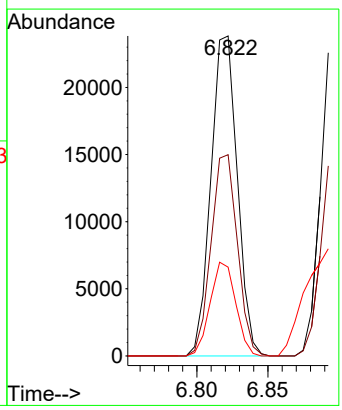


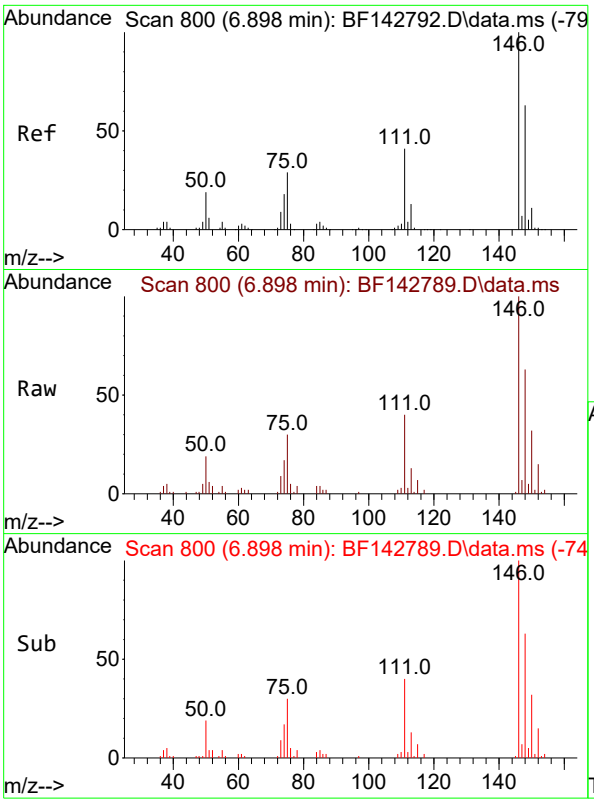




#12
1,3-Dichlorobenzene
Concen: 5.281 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:146 Resp: 30770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.9 | 51.1 | 76.7 |
| 75 | 27.7 | 22.7 | 34.1 |



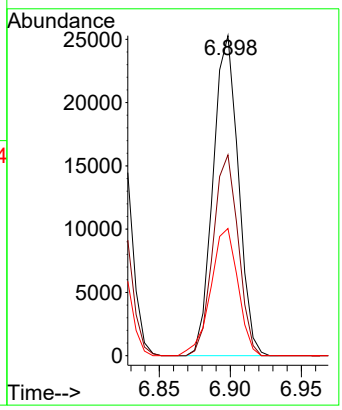


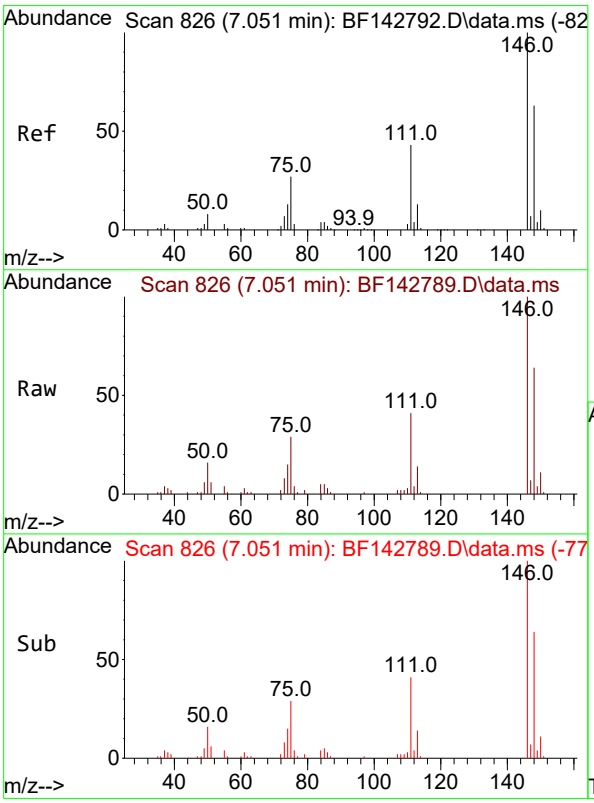

#13
1,4-Dichlorobenzene
Concen: 5.302 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:146 Resp: 31311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.8 | 50.2 | 75.2 |
| 111 | 39.8 | 33.2 | 49.8 |

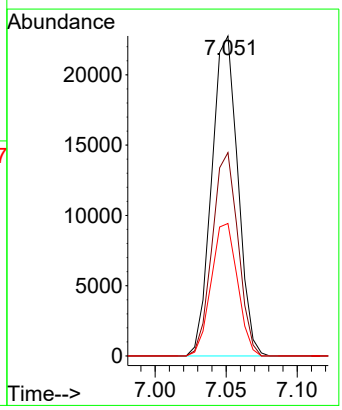


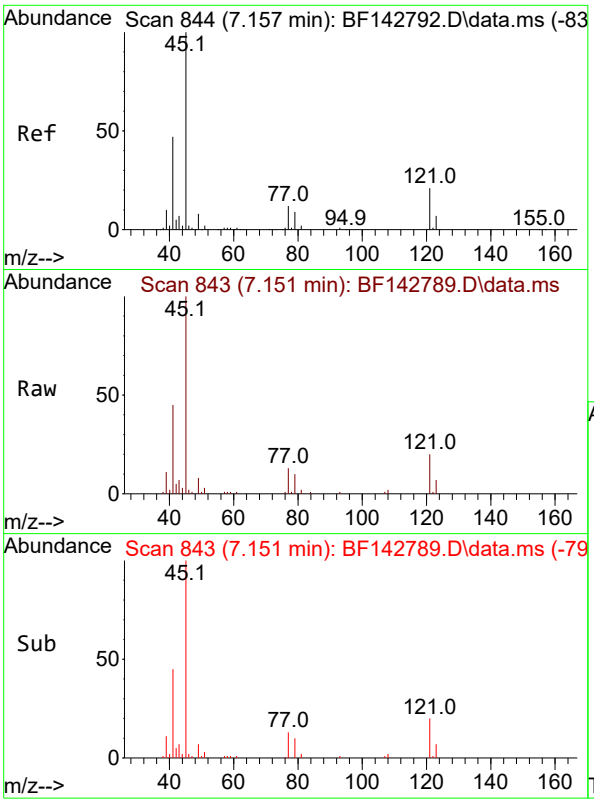




#14
1,2-Dichlorobenzene
Concen: 5.175 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:146 Resp: 29215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.5 | 50.4 | 75.6 |
| 111 | 41.4 | 34.1 | 51.1 |



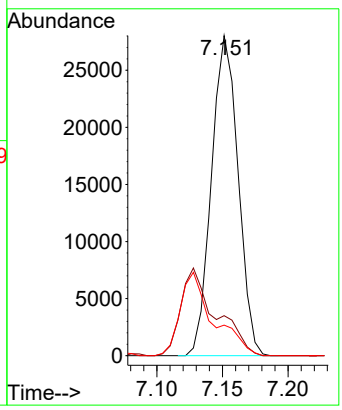


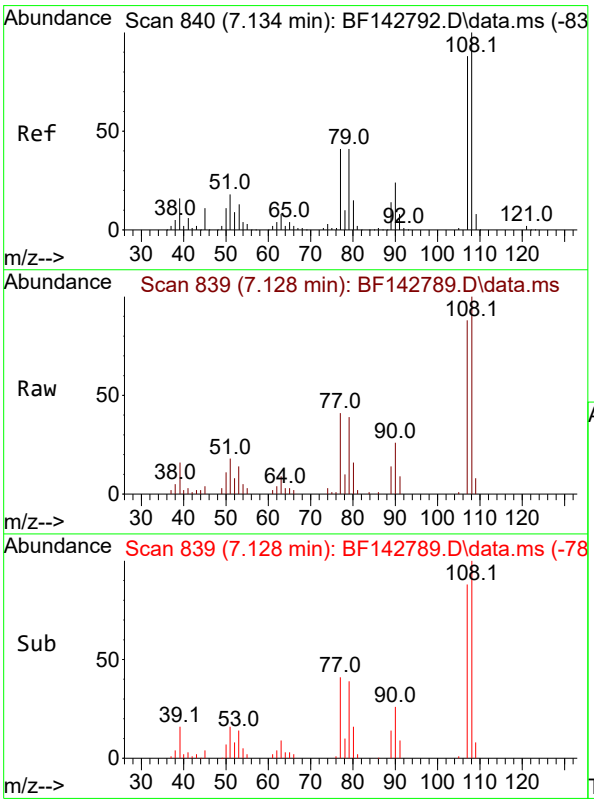

#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.503 ng
RT: 7.151 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion: 45 Resp: 39577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 12.5 | 0.0 | 32.8 |
| 79 | 9.5 | 0.0 | 29.8 |

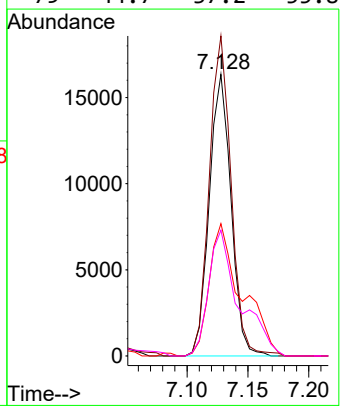


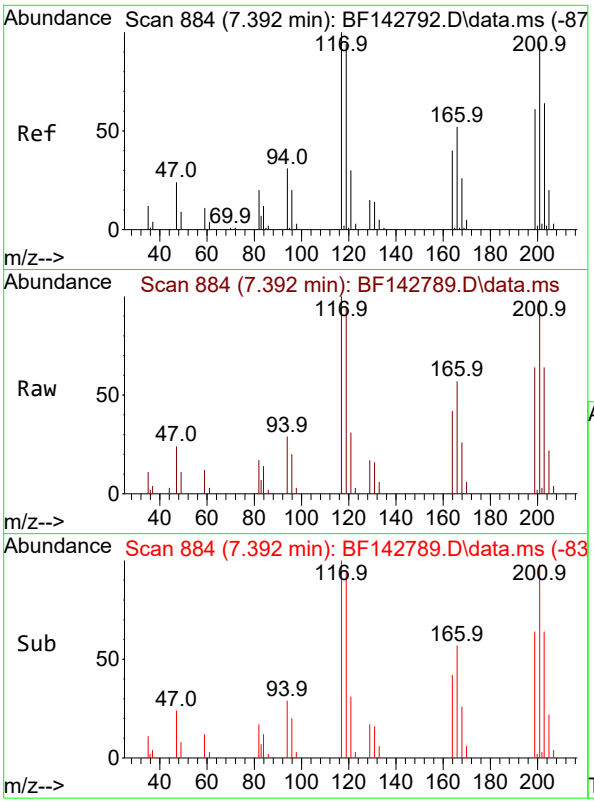




#17
2-Methylphenol
Concen: 5.199 ng
RT: 7.128 min Scan# 839
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:107 Resp: 20336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.6 | 90.9 | 136.3 |
| 77 | 47.0 | 37.3 | 55.9 |
| 79 | 44.7 | 37.2 | 55.8 |



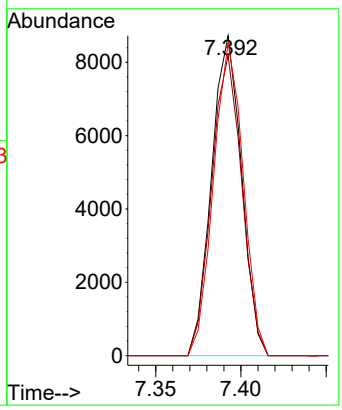


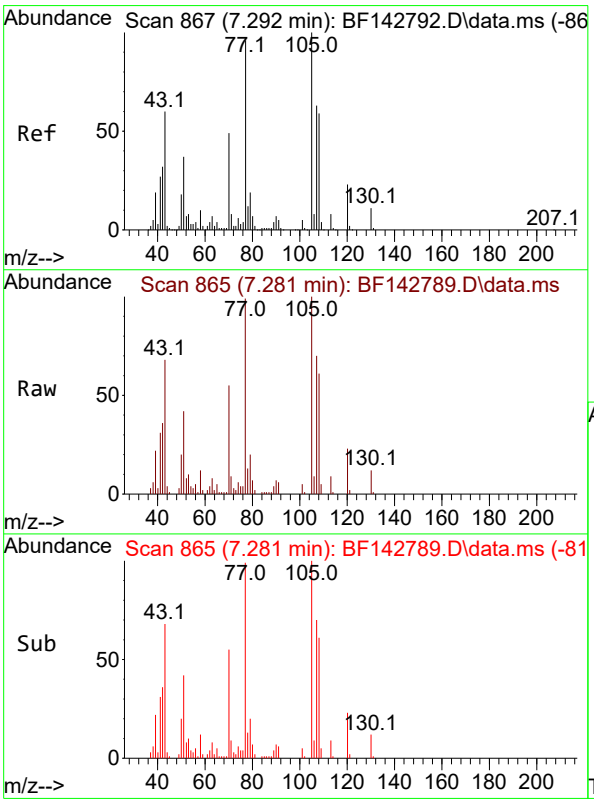

#18
Hexachloroethane
Concen: 5.054 ng
RT: 7.392 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:117 Resp: 10670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.8 | 75.4 | 113.0 |
| 201 | 97.7 | 75.9 | 113.9 |

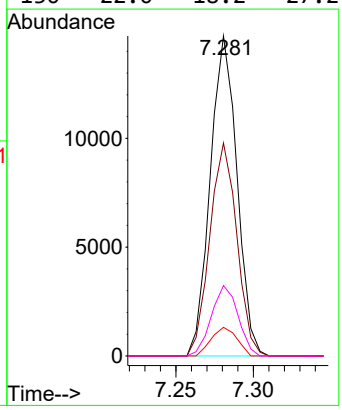


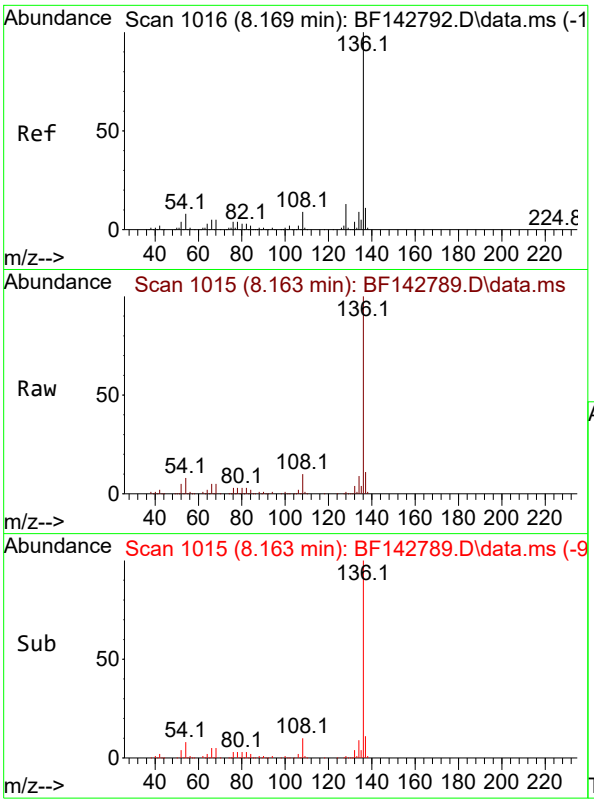




#19
n-Nitroso-di-n-propylamine
Concen: 5.061 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 70 Resp: 17612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 66.5 | 52.1 | 78.1 |
| 101 | 8.9 | 8.2 | 12.2 |
| 130 | 22.0 | 18.2 | 27.2 |



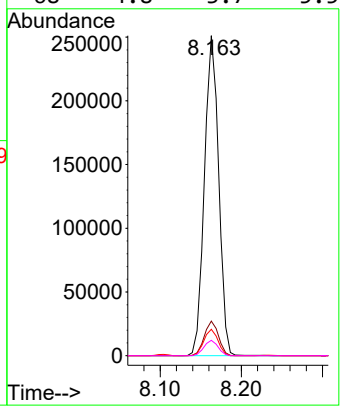


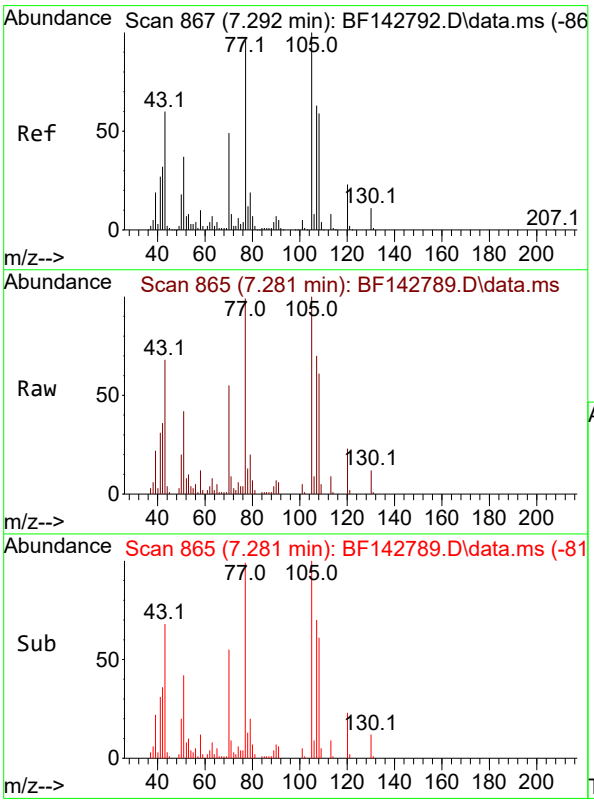

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:136 Resp: 305306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.4 | 12.6 |
| 54 | 8.3 | 6.3 | 9.5 |
| 68 | 4.8 | 3.7 | 5.5 |

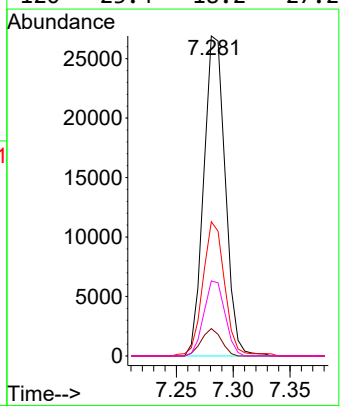


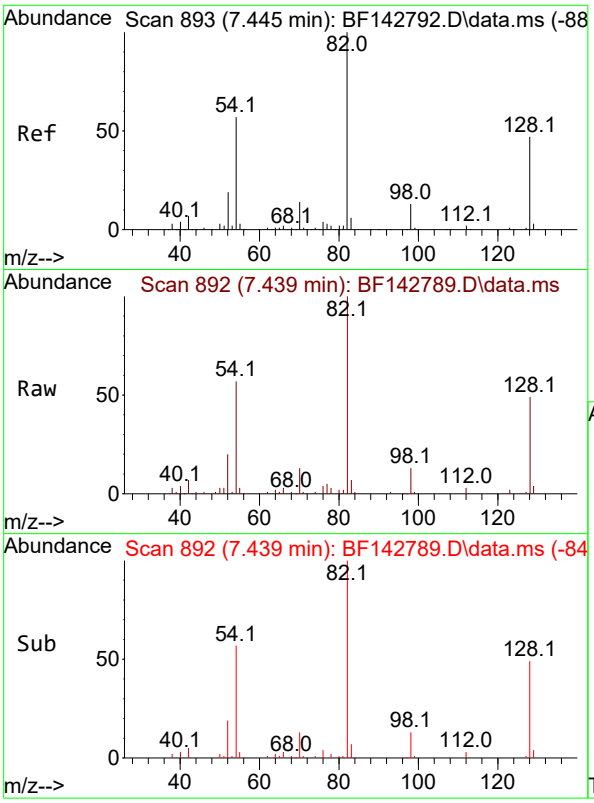




#22
Acetophenone
Concen: 5.240 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:105 Resp: 35396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.5 | 6.5 | 9.7 |
| 51 | 41.9 | 29.8 | 44.8 |
| 120 | 23.4 | 18.2 | 27.2 |



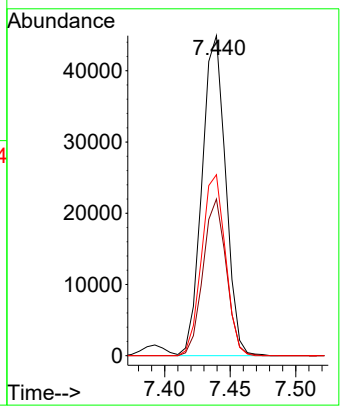


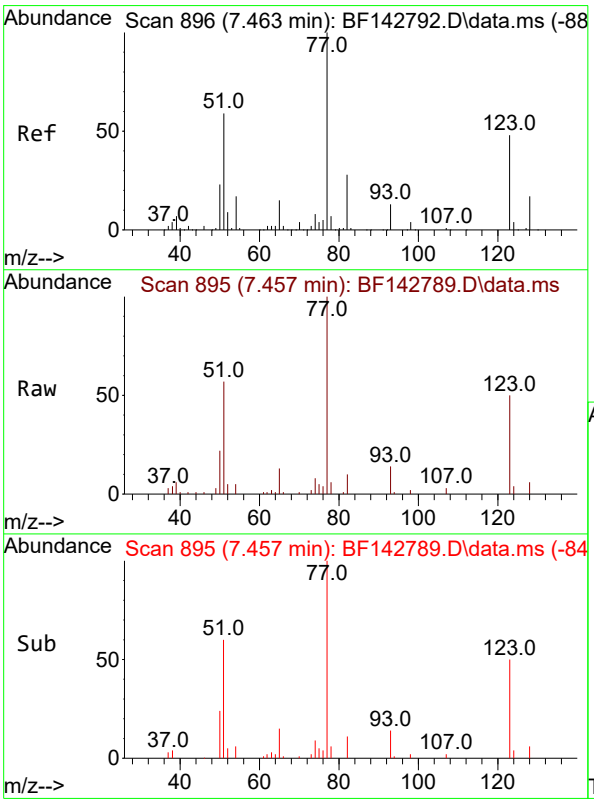

#23
Nitrobenzene-d5
Concen: 10.106 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion: 82 Resp: 56291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.9 | 37.7 | 56.5 |
| 54 | 56.6 | 45.7 | 68.5 |

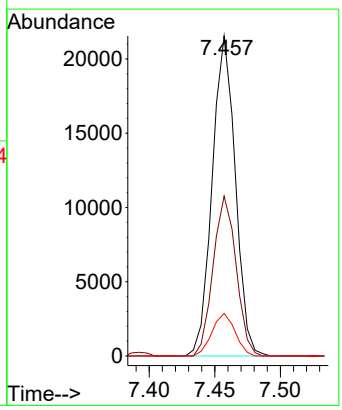


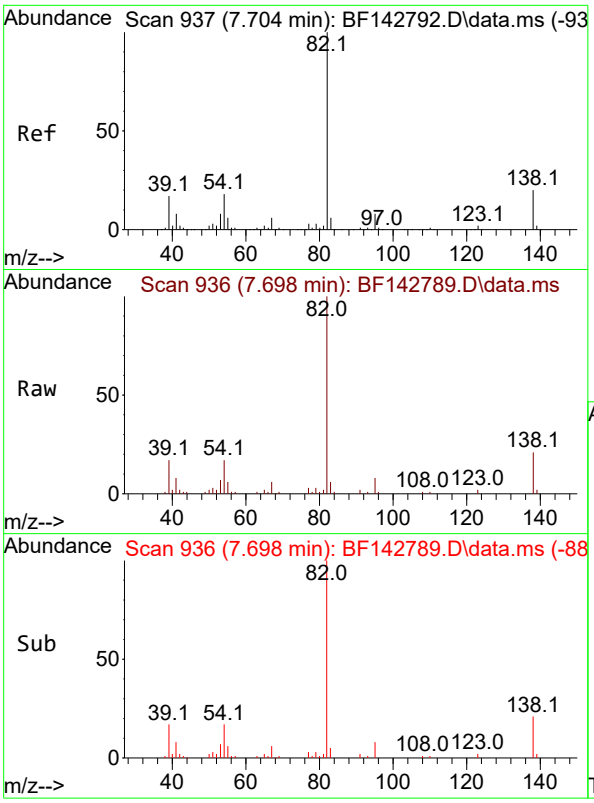




#24
Nitrobenzene
Concen: 5.324 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 77 Resp: 26353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 49.9 | 39.2 | 58.8 |
| 65 | 13.3 | 11.6 | 17.4 |



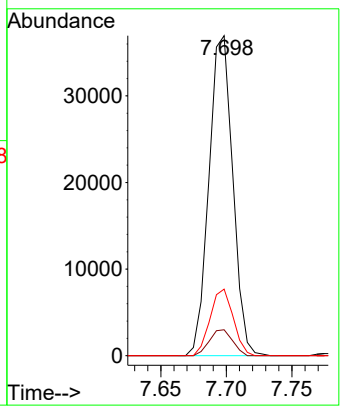


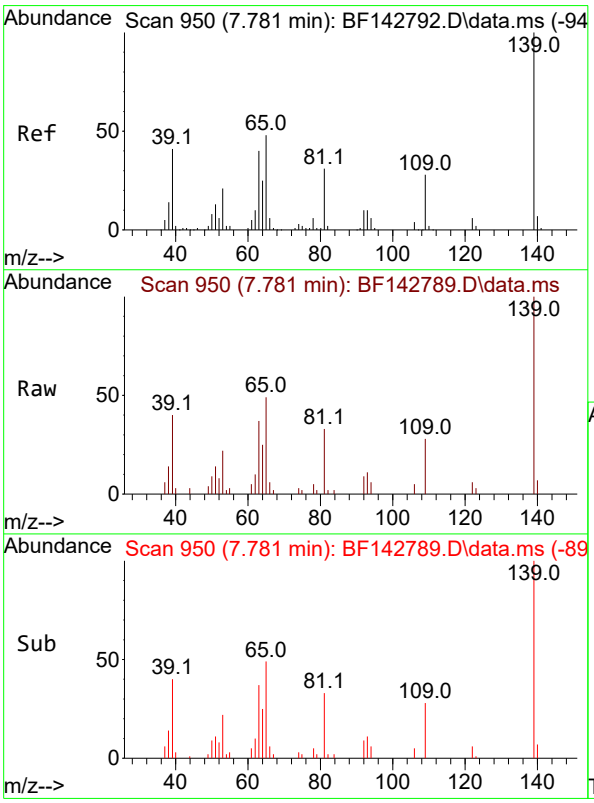

#25
Isophorone
Concen: 4.997 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion: 82 Resp: 46673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.1 | 6.2 | 9.2 |
| 138 | 20.8 | 16.2 | 24.4 |

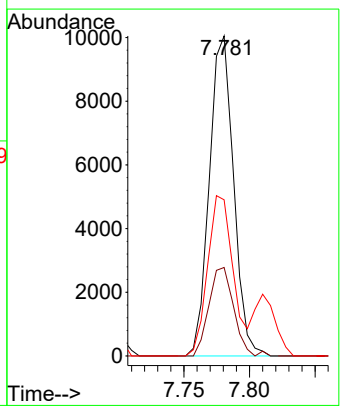


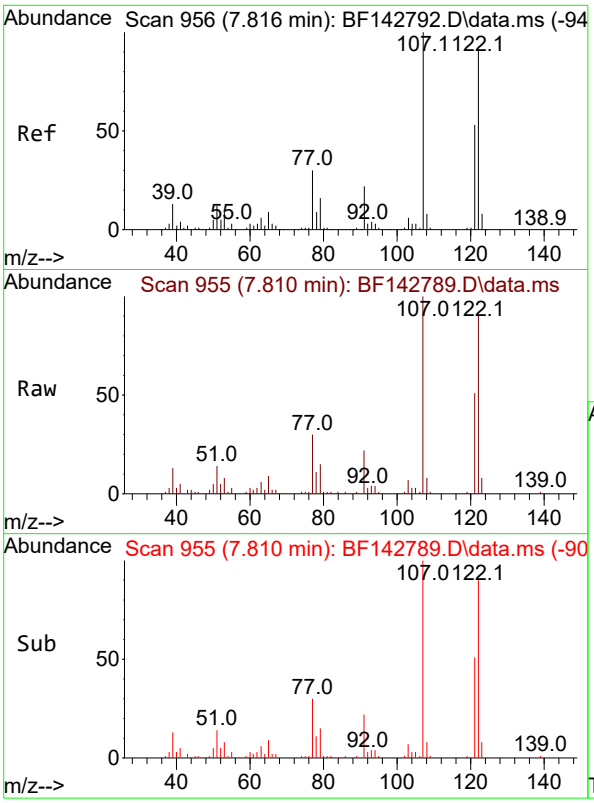




#26
2-Nitrophenol
Concen: 4.682 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:139 Resp: 12914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 27.7 | 22.7 | 34.1 |
| 65 | 48.8 | 38.6 | 58.0 |



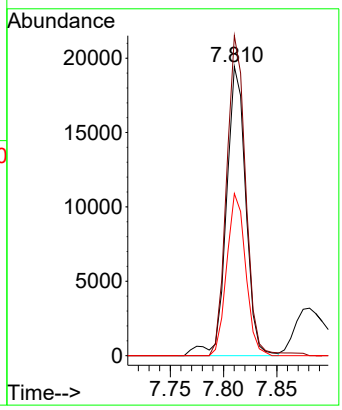


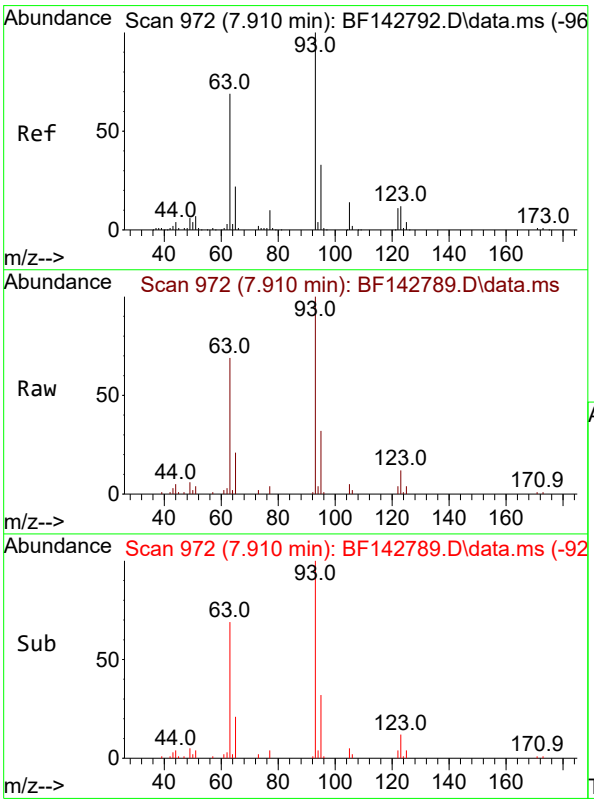

#27
2,4-Dimethylphenol
Concen: 5.242 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:122 Resp: 24614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 110.7 | 88.0 | 132.0 |
| 121 | 56.1 | 46.3 | 69.5 |

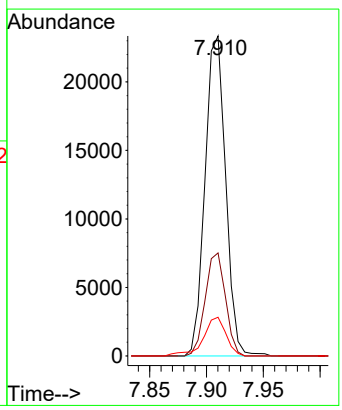


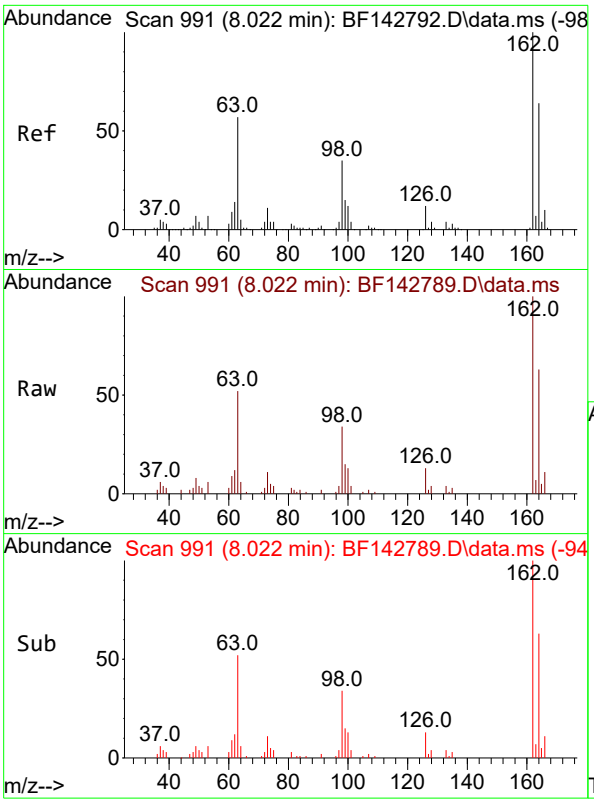




#28
bis(2-Chloroethoxy)methane
Concen: 5.068 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 93 Resp: 29467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.2 | 26.2 | 39.2 |
| 123 | 12.1 | 9.9 | 14.9 |



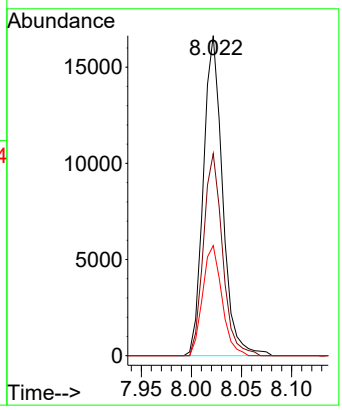


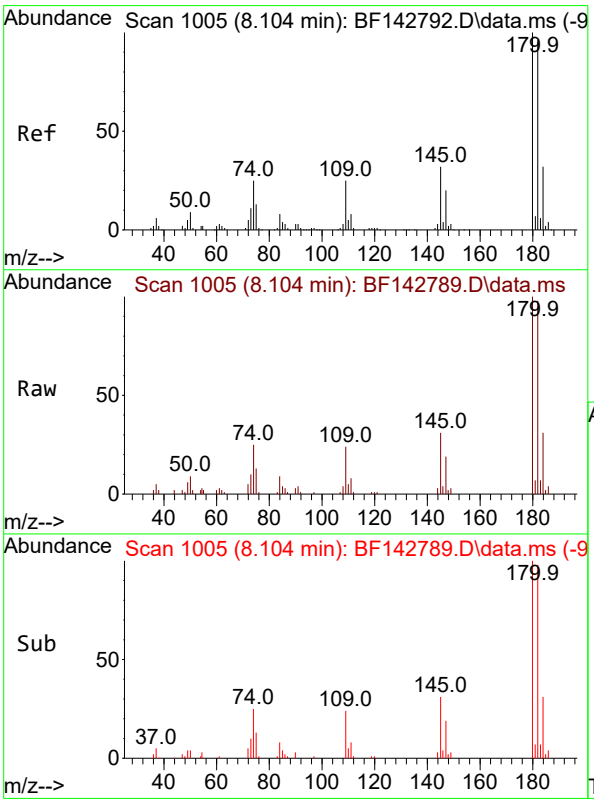

#29
2,4-Dichlorophenol
Concen: 5.134 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:162 Resp: 22222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.2 | 44.0 | 84.0 |
| 98 | 34.4 | 15.4 | 55.4 |

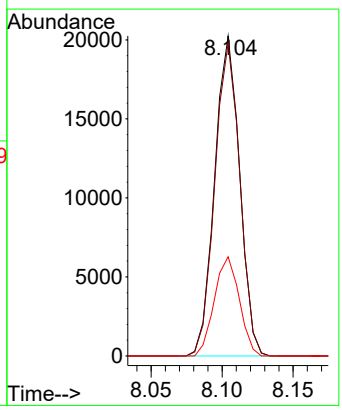


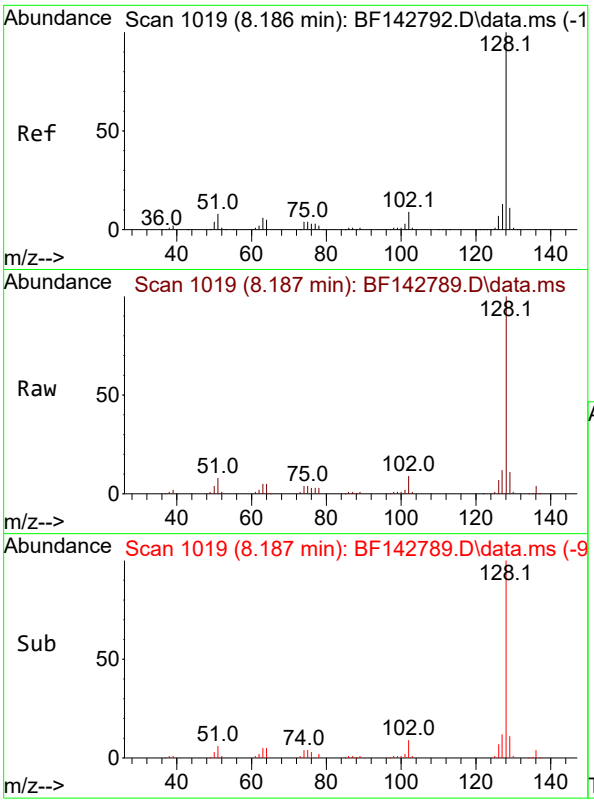




#30
1,2,4-Trichlorobenzene
Concen: 5.171 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:180 Resp: 24724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.8 | 76.4 | 114.6 |
| 145 | 31.0 | 25.8 | 38.8 |



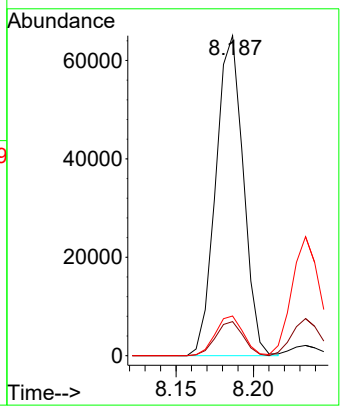


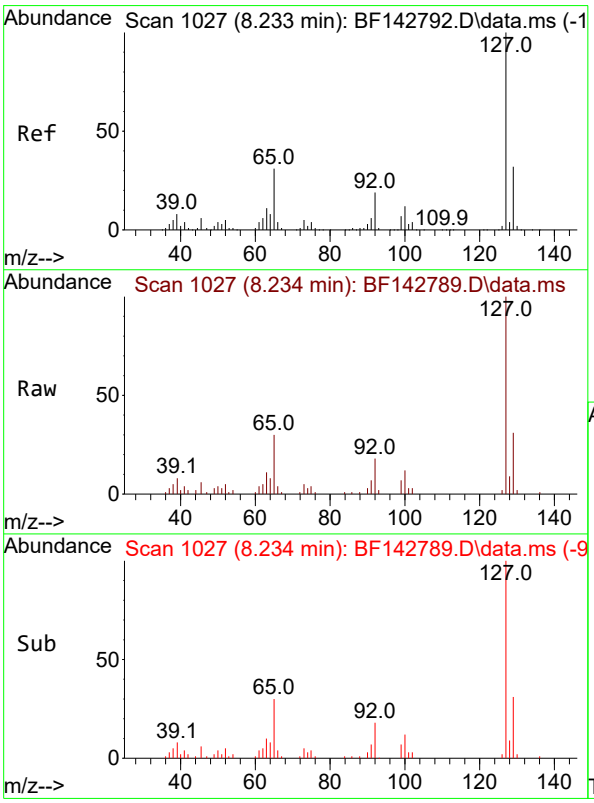

#31
Naphthalene
Concen: 5.344 ng
RT: 8.187 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:128 Resp: 80247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.7 | 8.9 | 13.3 |
| 127 | 12.4 | 10.4 | 15.6 |

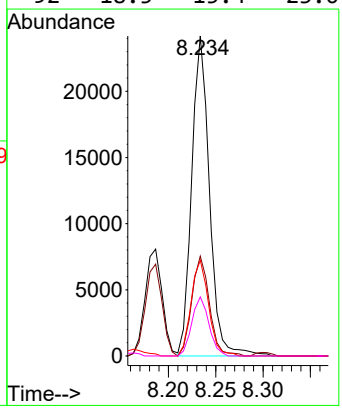


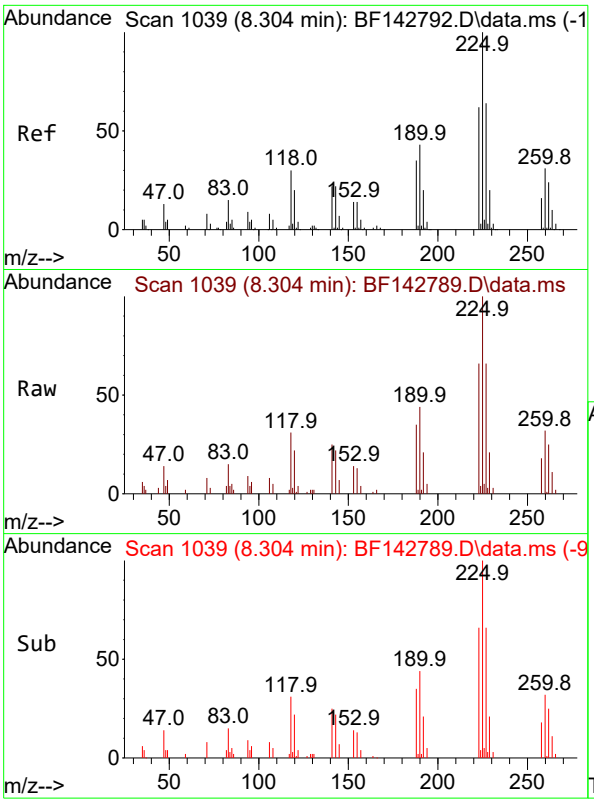




#33
4-Chloroaniline
Concen: 5.256 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:127 Resp: 31626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.2 | 25.9 | 38.9 |
| 65 | 29.9 | 24.6 | 36.8 |
| 92 | 18.5 | 15.4 | 23.0 |



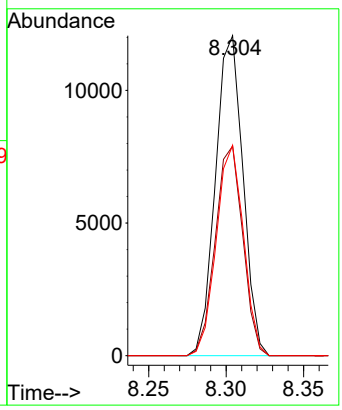


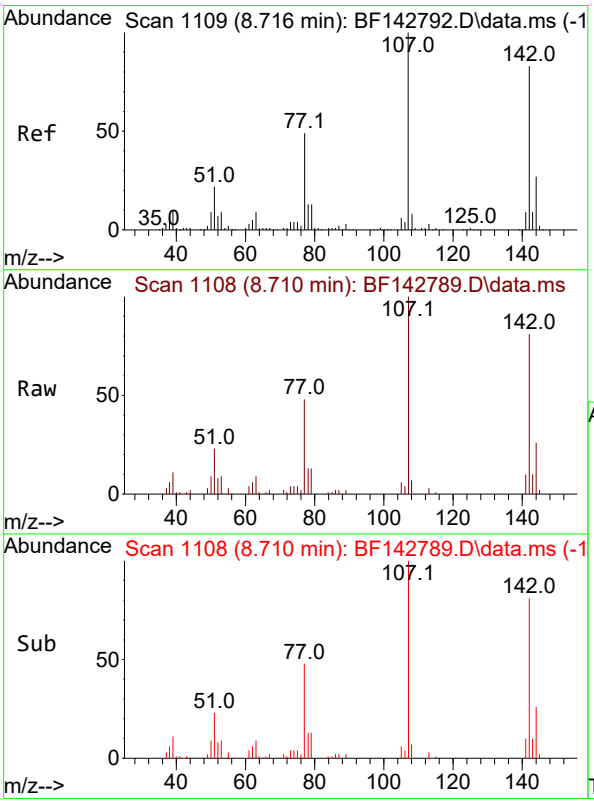

#34
Hexachlorobutadiene
Concen: 4.918 ng
RT: 8.304 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:225 Resp: 14900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.5 | 49.9 | 74.9 |
| 227 | 65.7 | 51.4 | 77.0 |

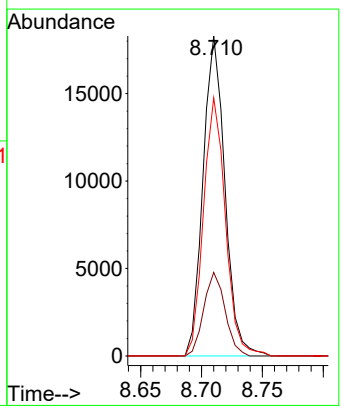


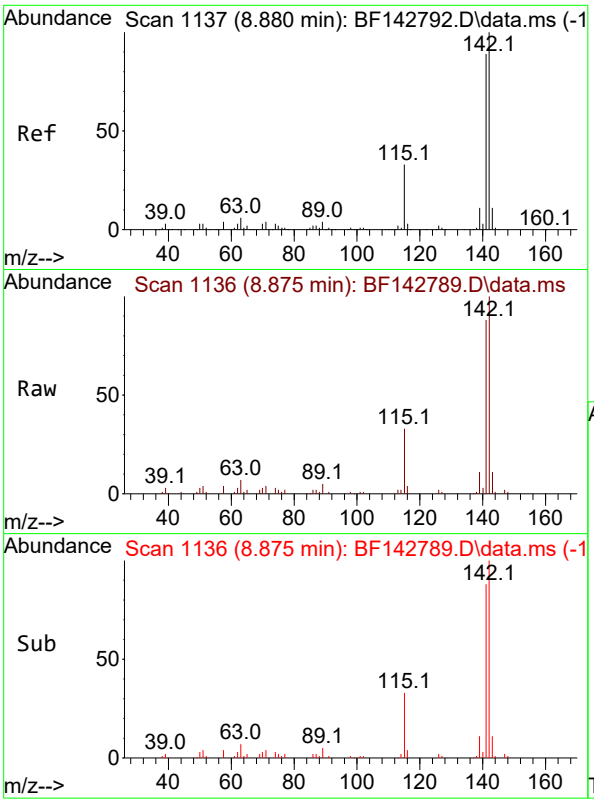




#36
4-Chloro-3-methylphenol
Concen: 5.113 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:107 Resp: 22861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.1 | 21.3 | 31.9 |
| 142 | 80.7 | 66.6 | 100.0 |



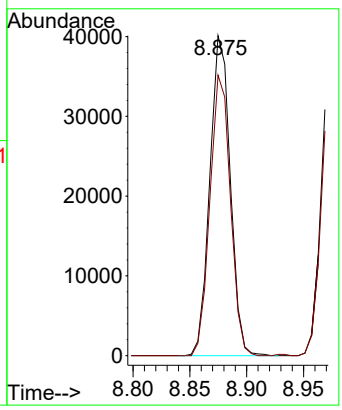


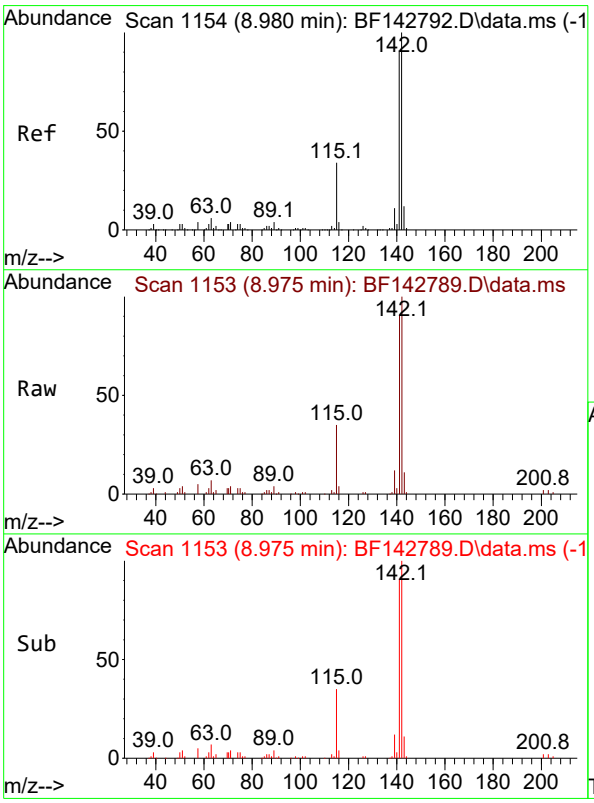

#37
2-Methylnaphthalene
Concen: 5.281 ng
RT: 8.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:142 Resp: 50024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.6 | 70.9 | 106.3 |

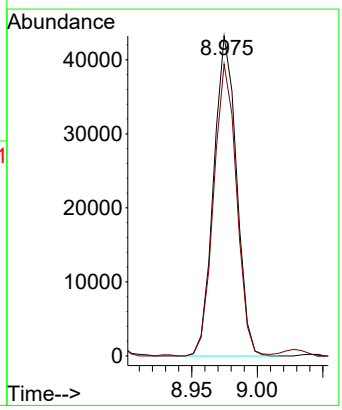


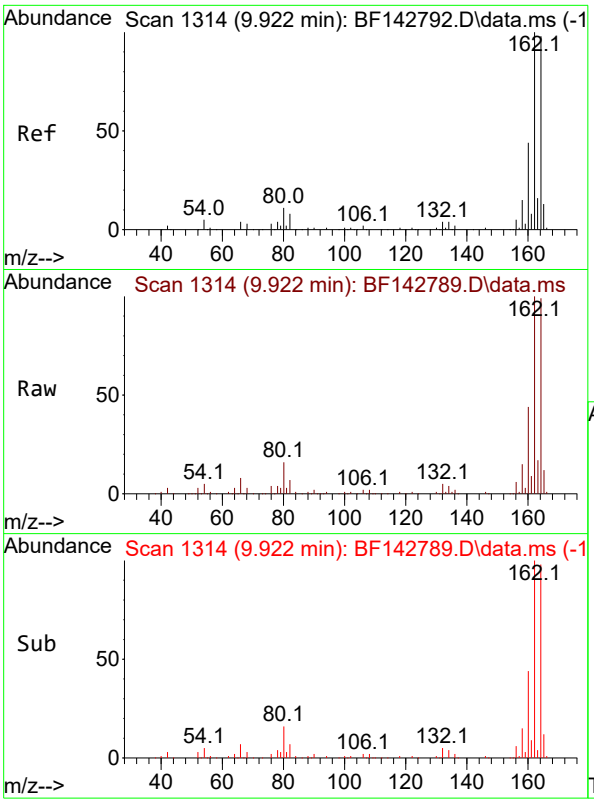




#38
1-Methylnaphthalene
Concen: 5.307 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:142 Resp: 52193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.2 | 73.0 | 109.4 |



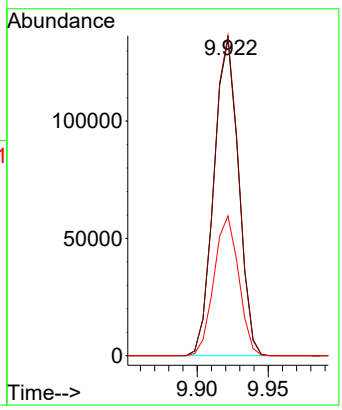


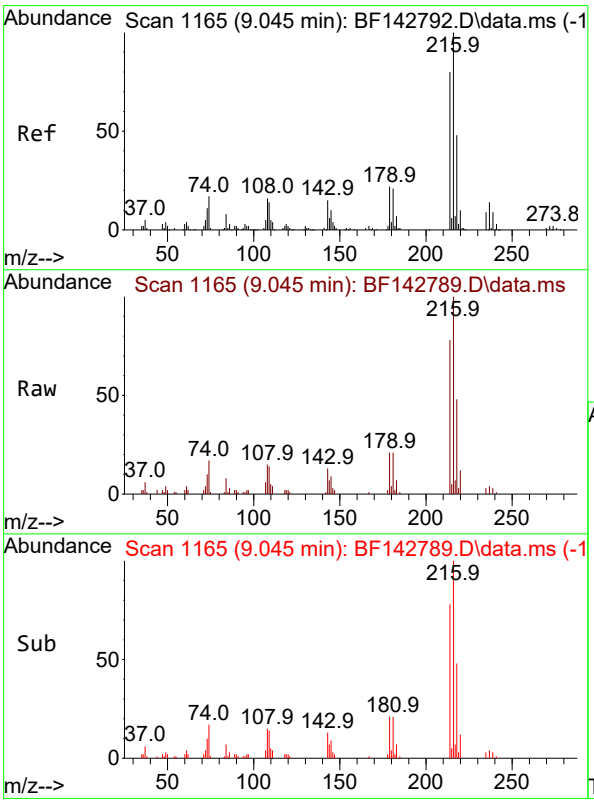

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:164 Resp: 162729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.1 | 81.8 | 122.8 |
| 160 | 44.2 | 36.0 | 54.0 |

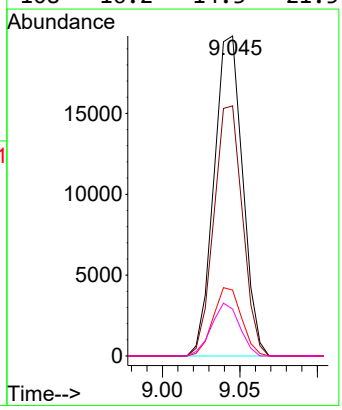


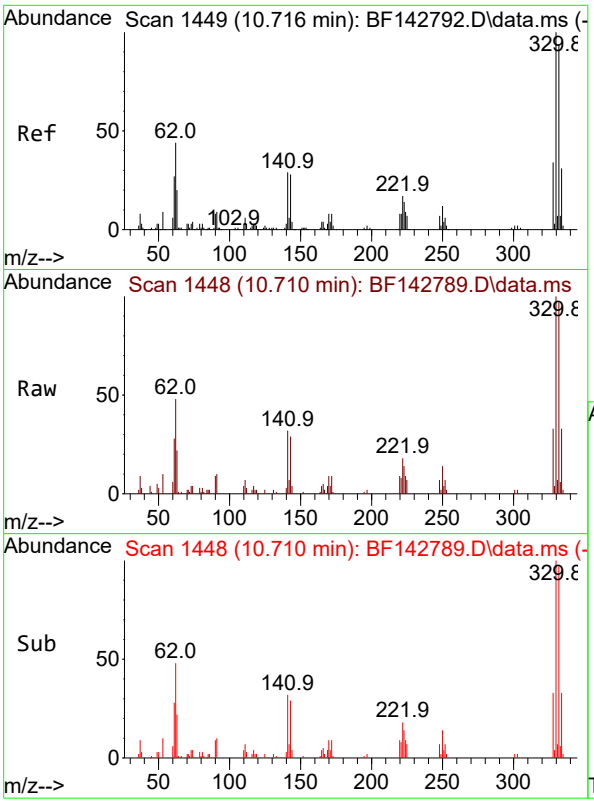




#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.419 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:216 Resp: 25456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.0 | 63.7 | 95.5 |
| 179 | 21.1 | 17.6 | 26.4 |
| 108 | 16.2 | 14.3 | 21.5 |



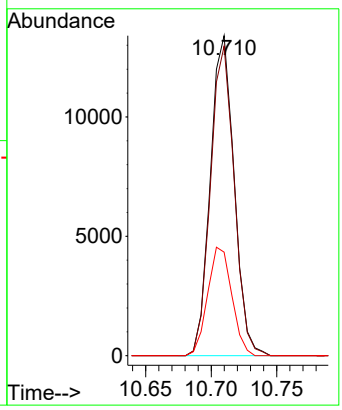


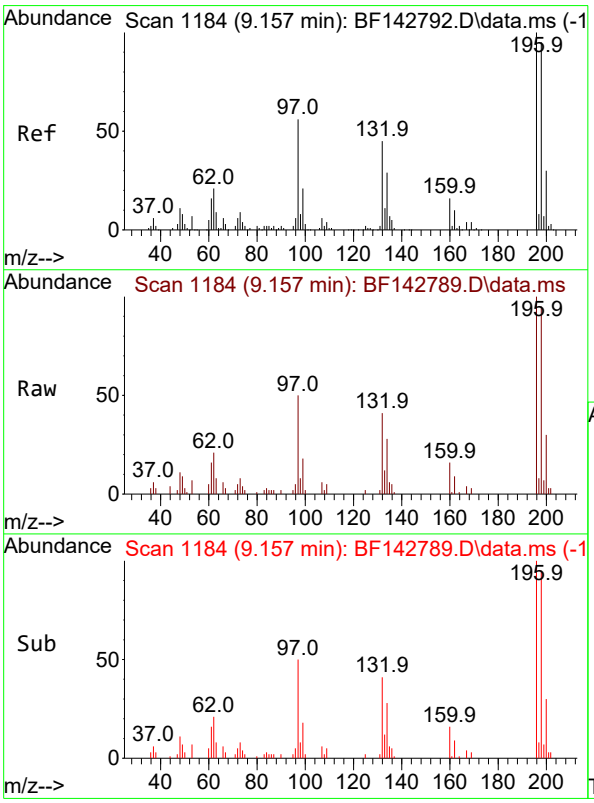

#42
2,4,6-Tribromophenol
Concen: 9.551 ng
RT: 10.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:330 Resp: 16892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 75.0 | 112.6 |
| 141 | 34.5 | 25.3 | 37.9 |

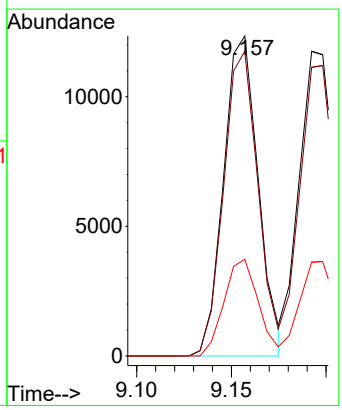


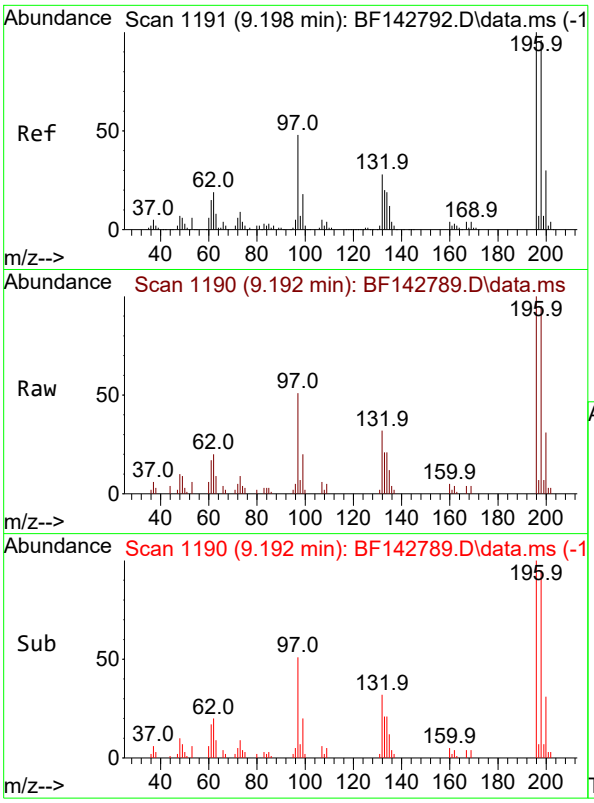




#43
2,4,6-Trichlorophenol
Concen: 5.154 ng
RT: 9.157 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:196 Resp: 15667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.2 | 76.2 | 114.2 |
| 200 | 30.2 | 24.1 | 36.1 |



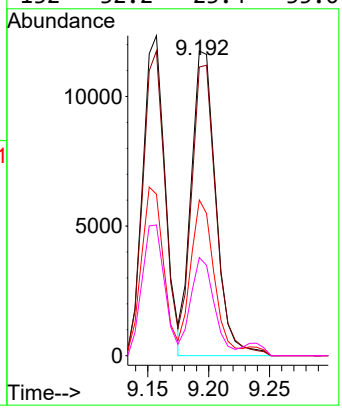


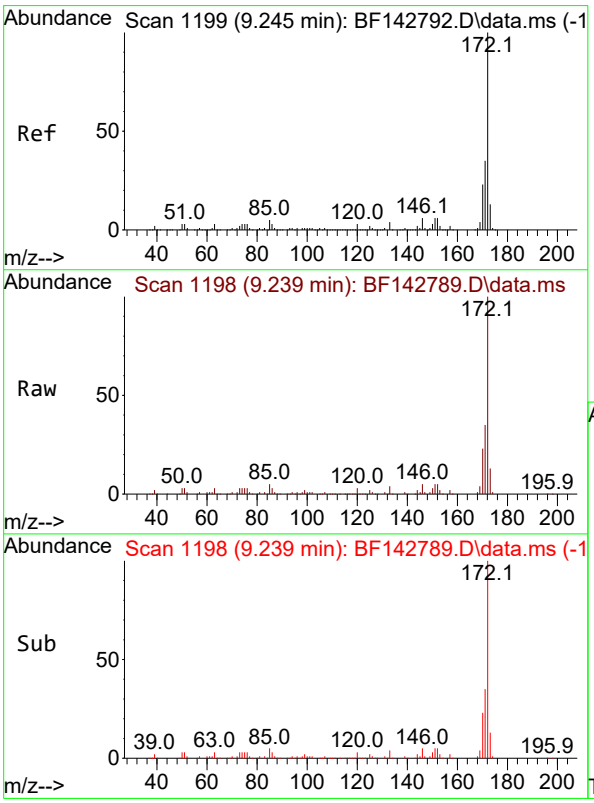

#44
2,4,5-Trichlorophenol
Concen: 5.045 ng
RT: 9.192 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:196 Resp: 16563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.8 | 76.6 | 115.0 |
| 97 | 51.1 | 38.2 | 57.2 |
| 132 | 32.2 | 23.4 | 35.0 |

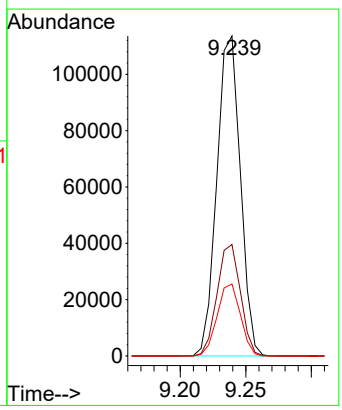


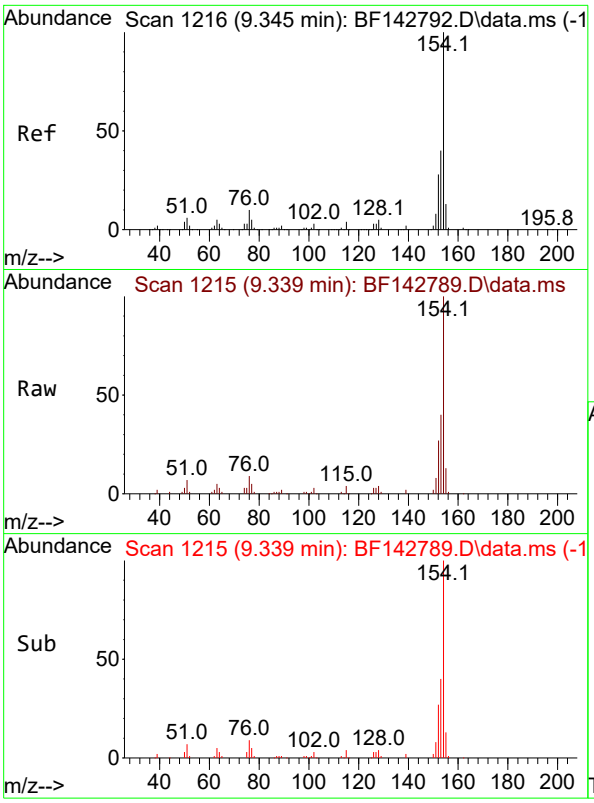




#45
2-Fluorobiphenyl
Concen: 11.573 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:172 Resp: 141565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 28.2 | 42.4 |
| 170 | 22.5 | 18.5 | 27.7 |



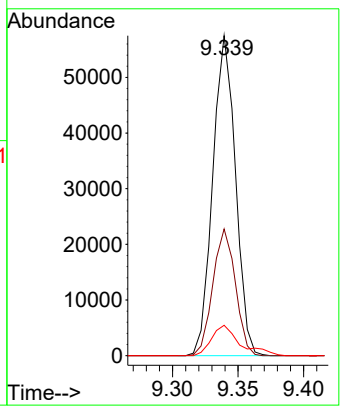


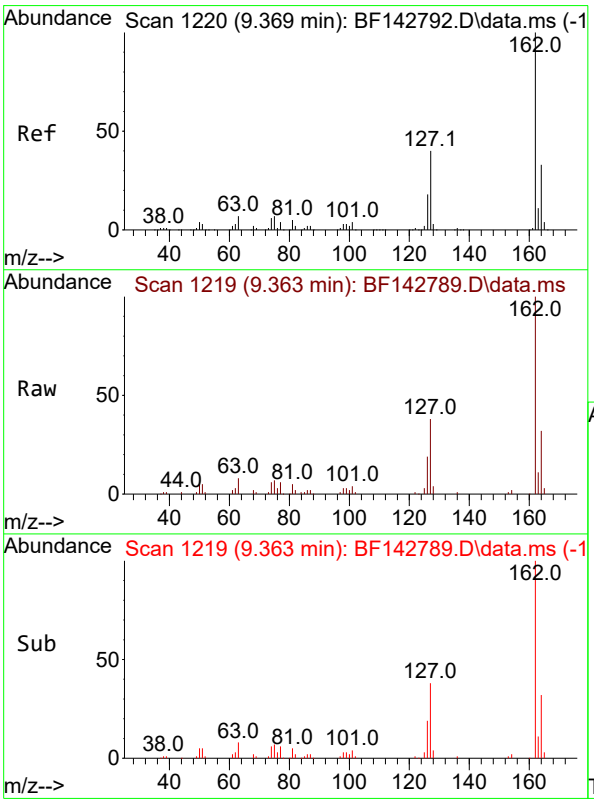

#46
1,1'-Biphenyl
Concen: 5.478 ng
RT: 9.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:154 Resp: 69218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.6 | 20.3 | 60.3 |
| 76 | 9.5 | 0.0 | 30.3 |

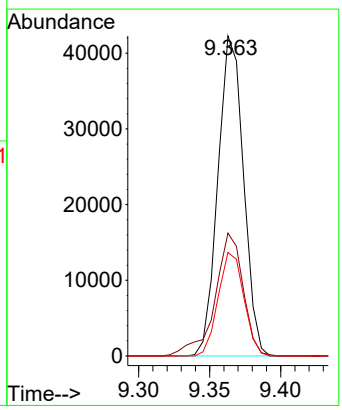


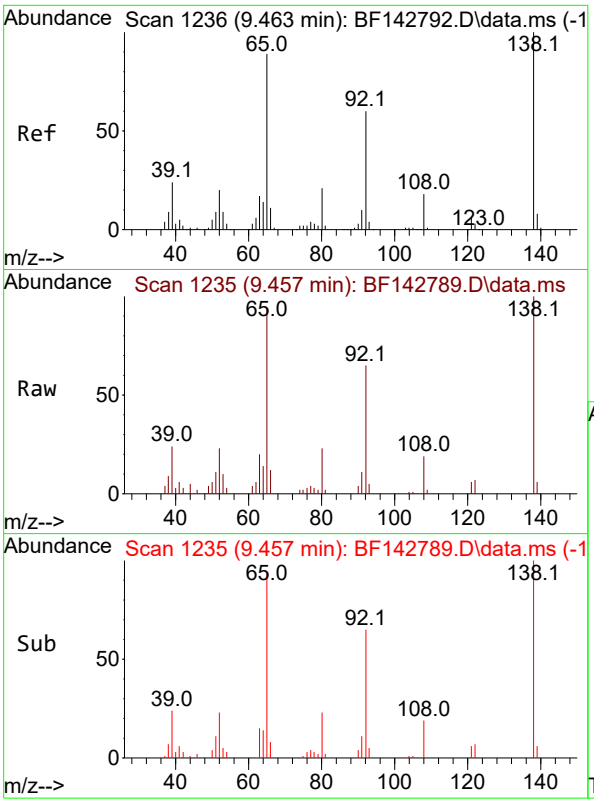




#47
2-Chloronaphthalene
Concen: 5.670 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:162 Resp: 52868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 38.4 | 32.2 | 48.2 |
| 164 | 32.4 | 26.1 | 39.1 |



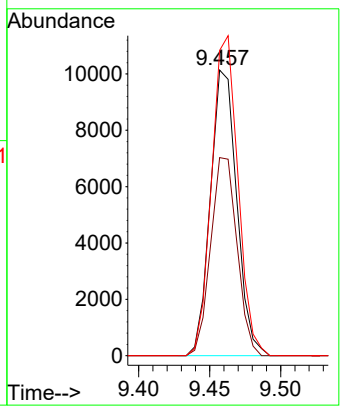


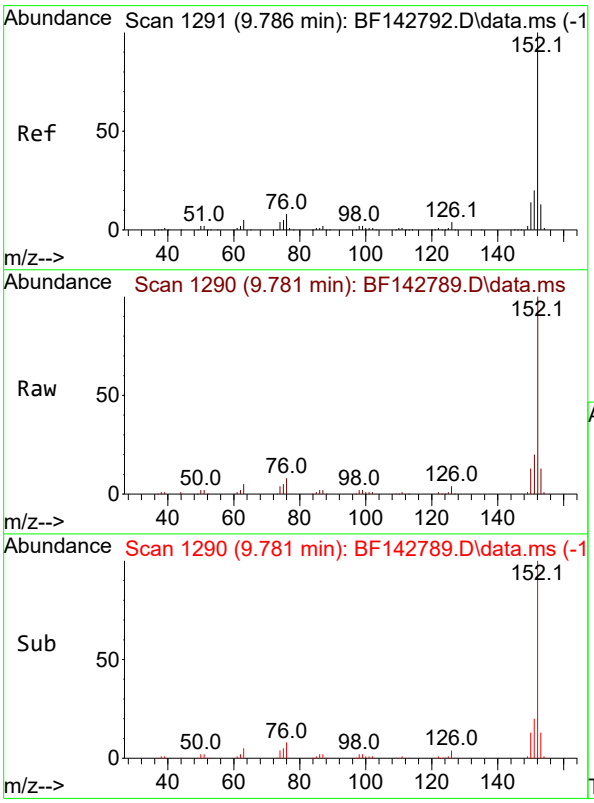

#48
2-Nitroaniline
Concen: 4.937 ng
RT: 9.457 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion: 65 Resp: 13076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 69.4 | 53.8 | 80.6 |
| 138 | 106.9 | 89.6 | 134.4 |

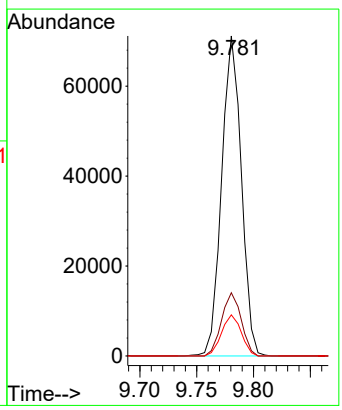


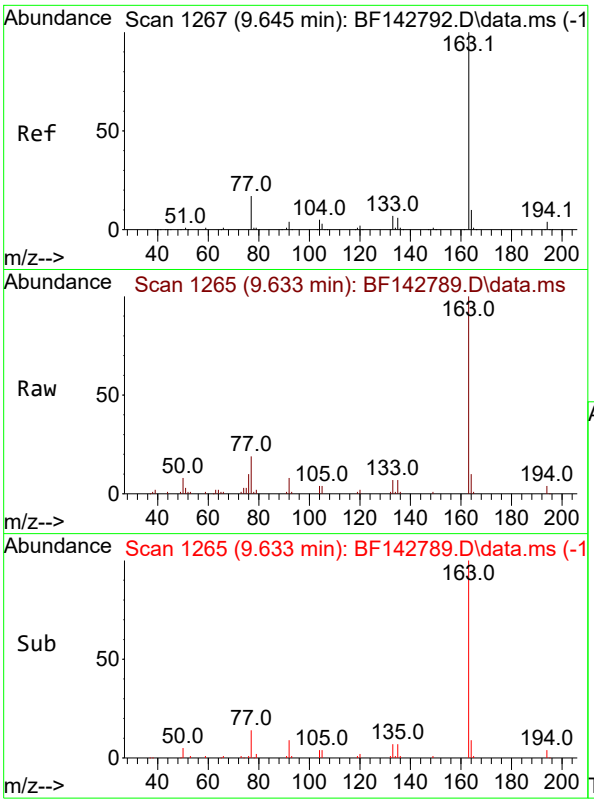




#49
Acenaphthylene
Concen: 5.477 ng
RT: 9.781 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:152 Resp: 85856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.7 | 16.1 | 24.1 |
| 153 | 12.8 | 10.4 | 15.6 |



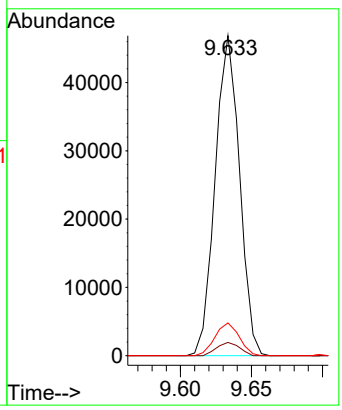


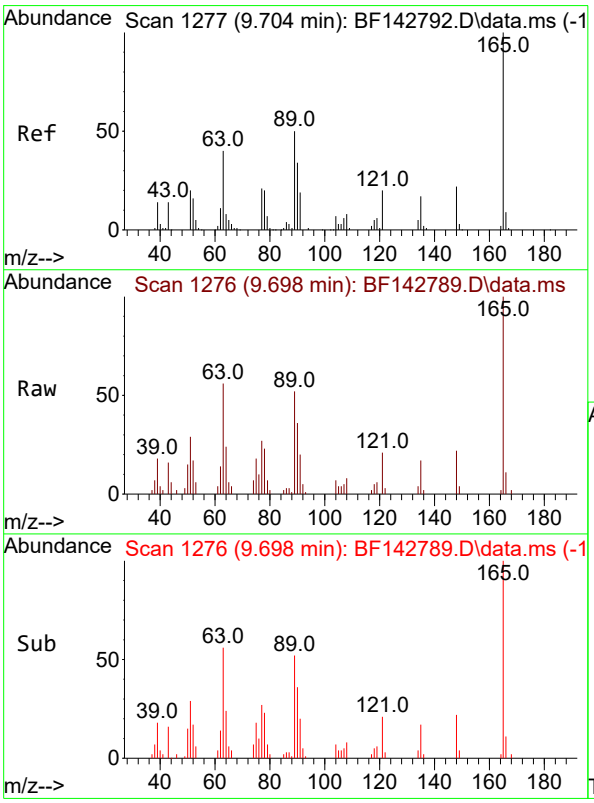

#50
Dimethylphthalate
Concen: 5.170 ng
RT: 9.633 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:163 Resp: 55804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.3 | 4.9 |
| 164 | 10.2 | 8.0 | 12.0 |

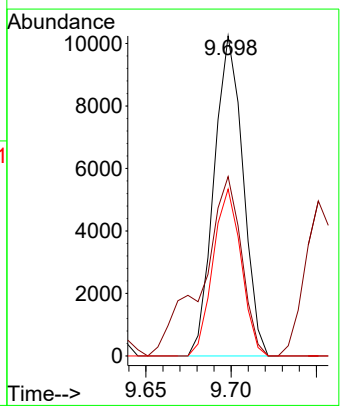


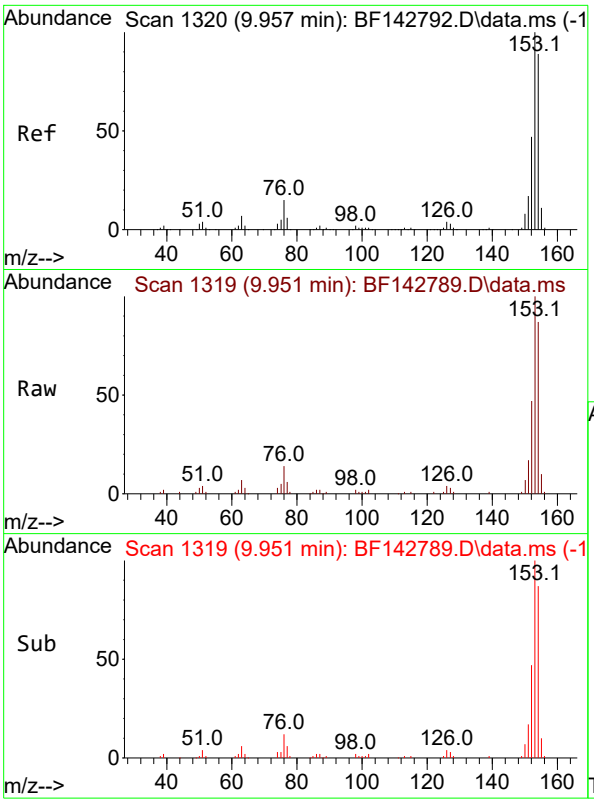




#51
2,6-Dinitrotoluene
Concen: 5.163 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:165 Resp: 12080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 56.1 | 44.2 | 66.4 |
| 89 | 52.1 | 39.8 | 59.8 |



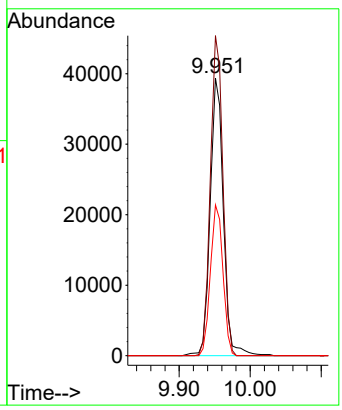


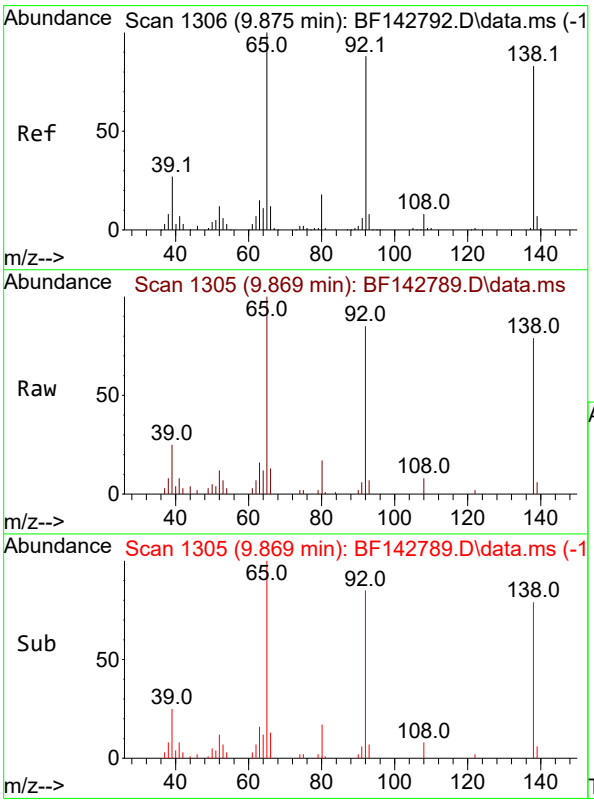

#52
Acenaphthene
Concen: 5.230 ng
RT: 9.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:154 Resp: 50726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 115.3 | 90.0 | 135.0 |
| 152 | 54.3 | 41.9 | 62.9 |

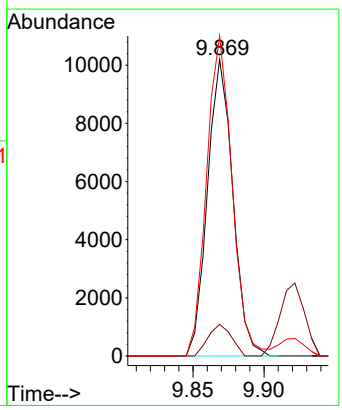


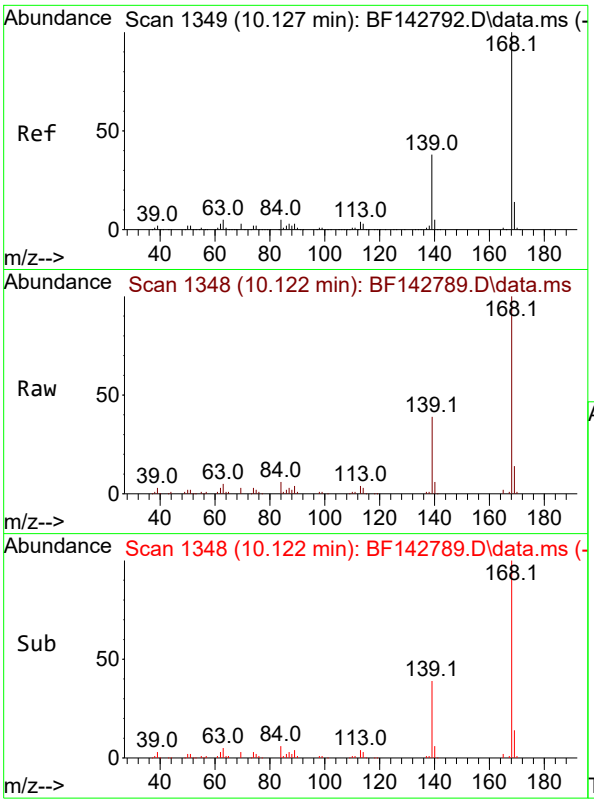




#53
3-Nitroaniline
Concen: 4.984 ng
RT: 9.869 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:138 Resp: 12667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.7 | 8.1 | 12.1 |
| 92 | 108.0 | 85.1 | 127.7 |



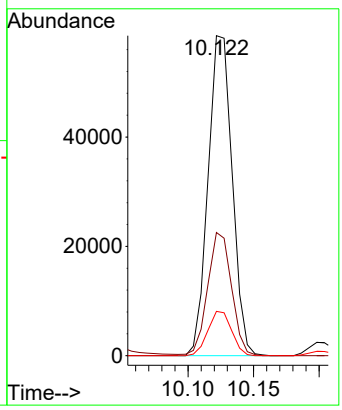


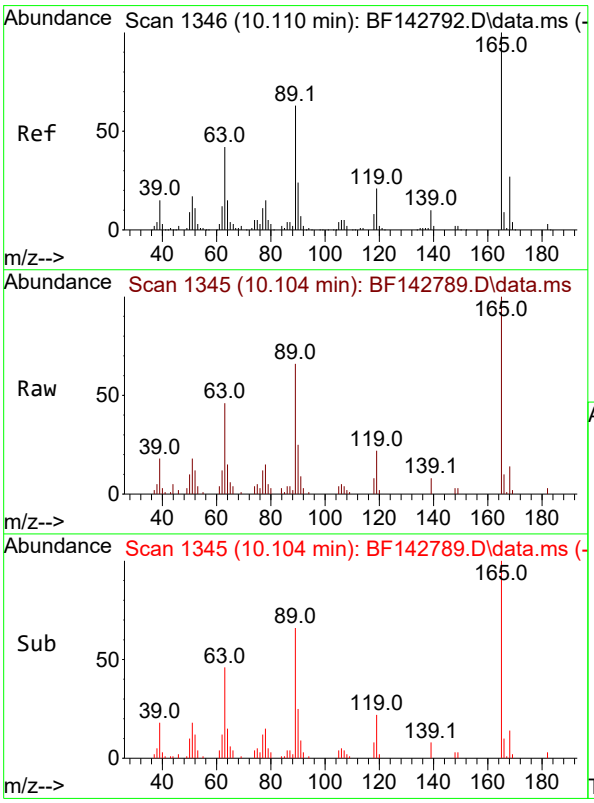

#55
Dibenzofuran
Concen: 5.420 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:168 Resp: 74998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.5 | 30.2 | 45.4 |
| 169 | 13.8 | 10.8 | 16.2 |

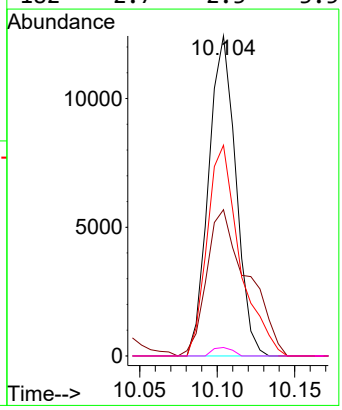


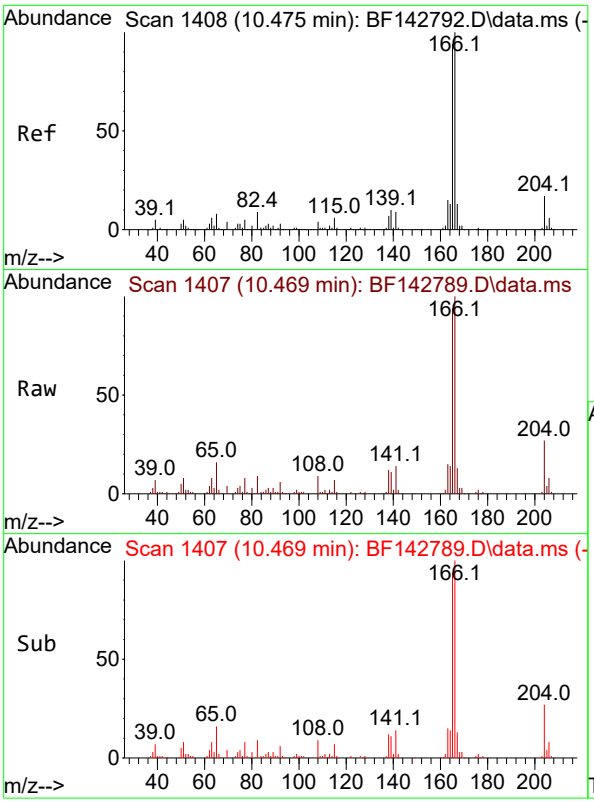




#57
2,4-Dinitrotoluene
Concen: 4.904 ng
RT: 10.104 min Scan# 1345
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:165 Resp: 15173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 45.7 | 33.9 | 50.9 |
| 89 | 65.9 | 50.6 | 75.8 |
| 182 | 2.7 | 2.3 | 3.5 |



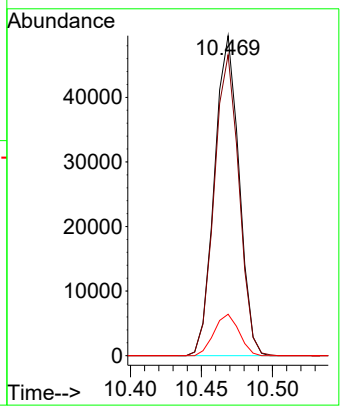


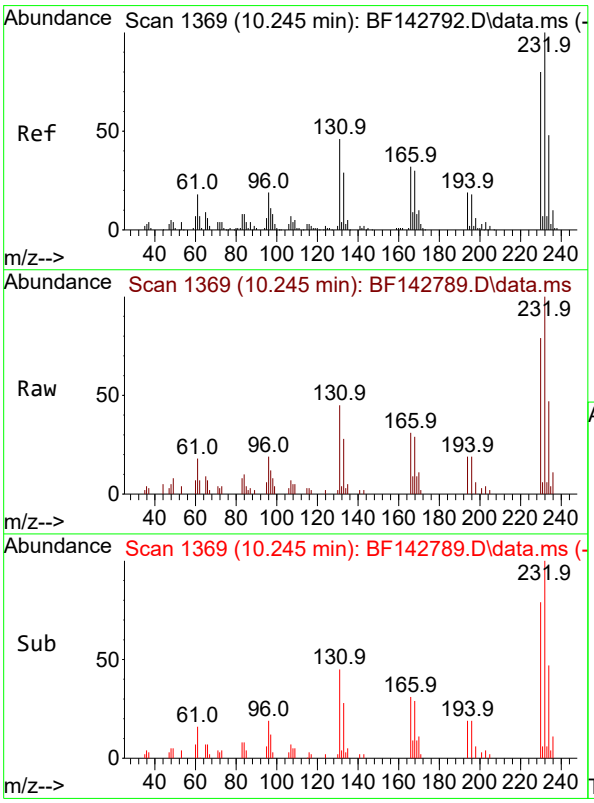

#58
Fluorene
Concen: 5.453 ng
RT: 10.469 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:166 Resp: 59558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 94.0 | 75.2 | 112.8 |
| 167 | 13.0 | 10.6 | 15.8 |

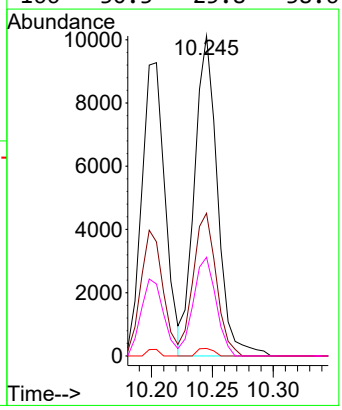


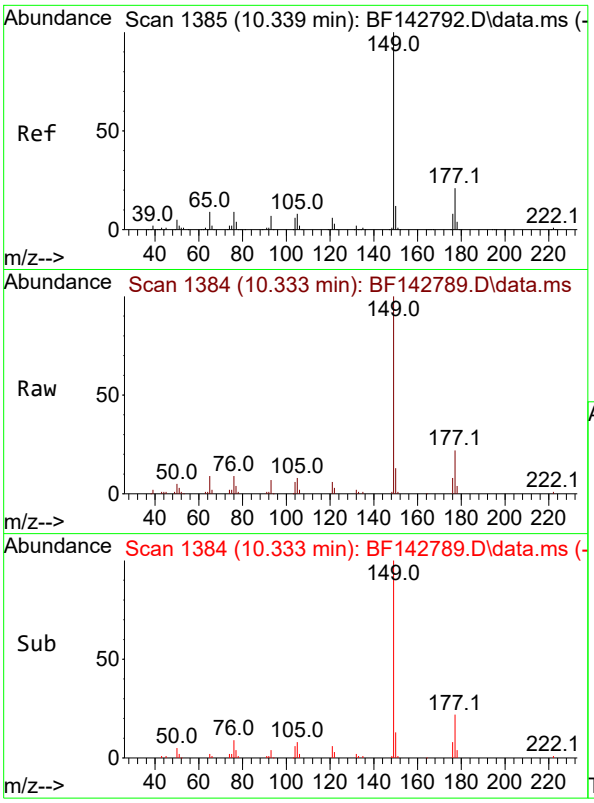




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.827 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:232 Resp: 13285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.7 | 37.6 | 56.4 |
| 130 | 1.7 | 1.7 | 2.5# |
| 166 | 30.3 | 25.8 | 38.6 |



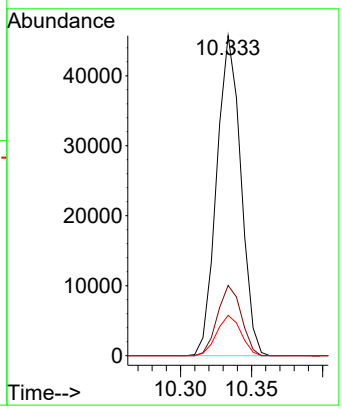


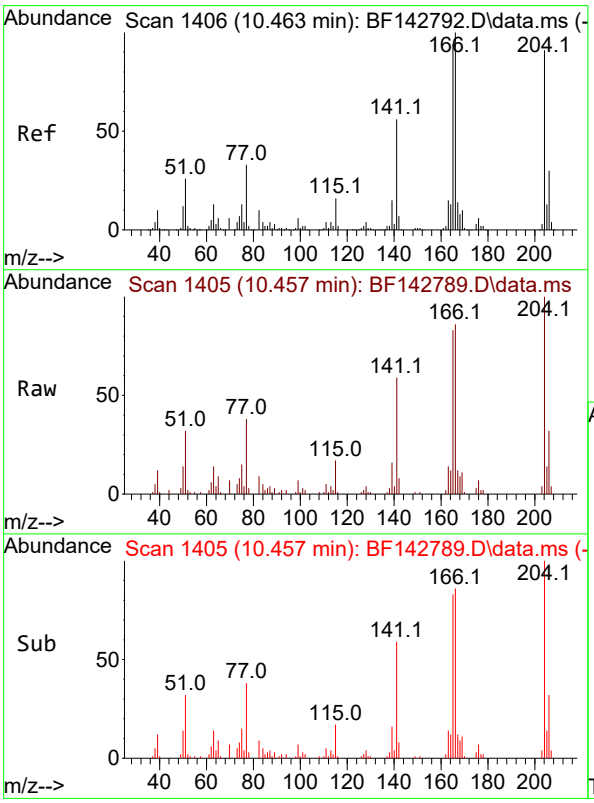

#60
Diethylphthalate
Concen: 5.040 ng
RT: 10.333 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:149 Resp: 54038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.9 | 17.0 | 25.6 |
| 150 | 12.6 | 9.8 | 14.6 |

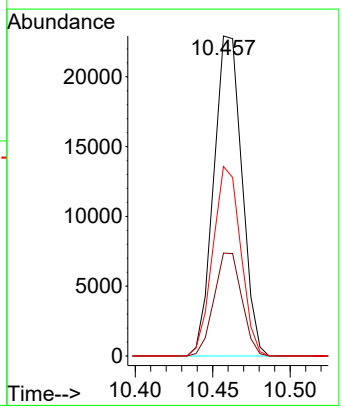


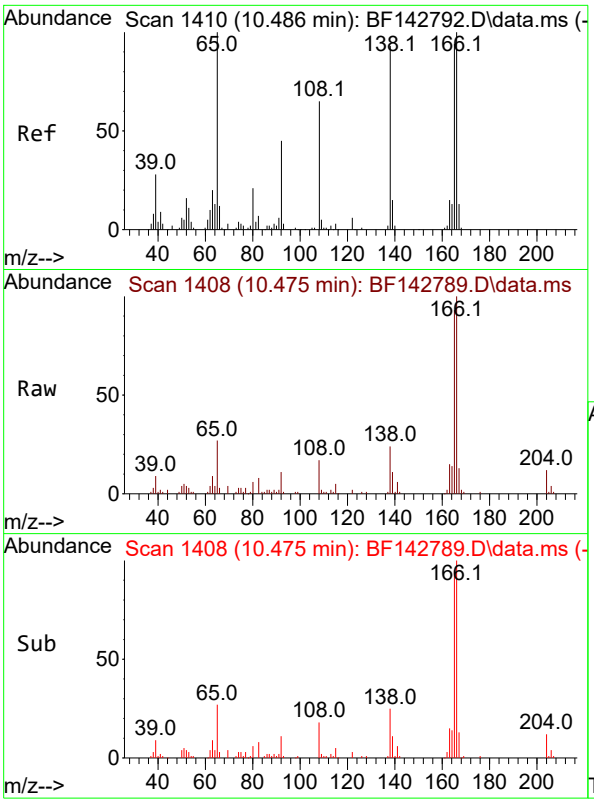




#61
4-Chlorophenyl-phenylether
Concen: 5.469 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:204 Resp: 29011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.2 | 26.3 | 39.5 |
| 141 | 59.2 | 49.1 | 73.7 |



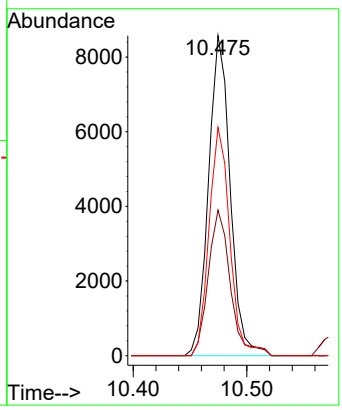


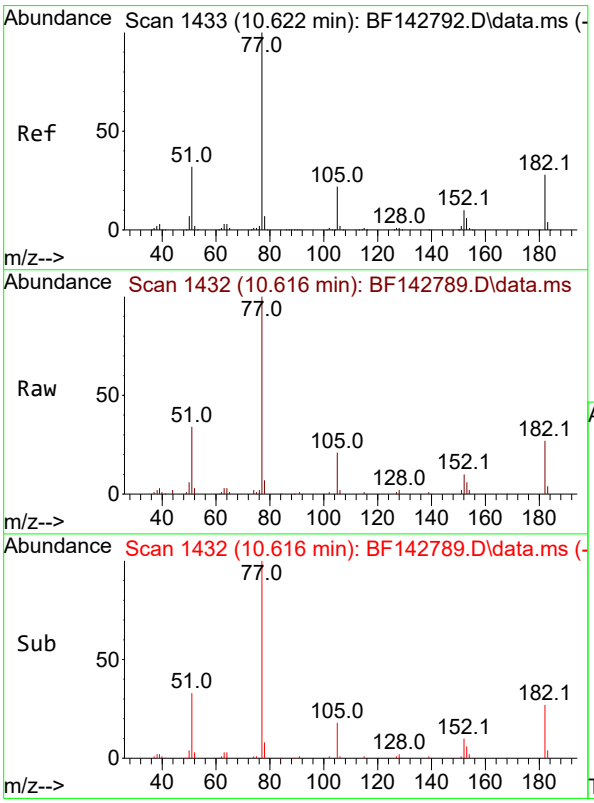

#62
4-Nitroaniline
Concen: 4.971 ng
RT: 10.475 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:138 Resp: 11342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 45.5 | 28.4 | 68.4 |
| 108 | 71.3 | 50.2 | 90.2 |

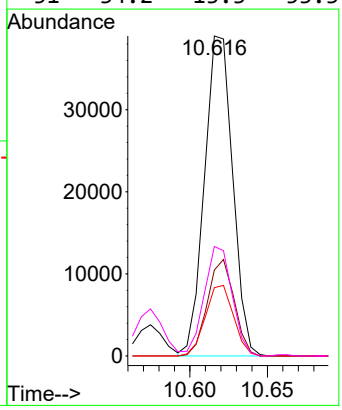


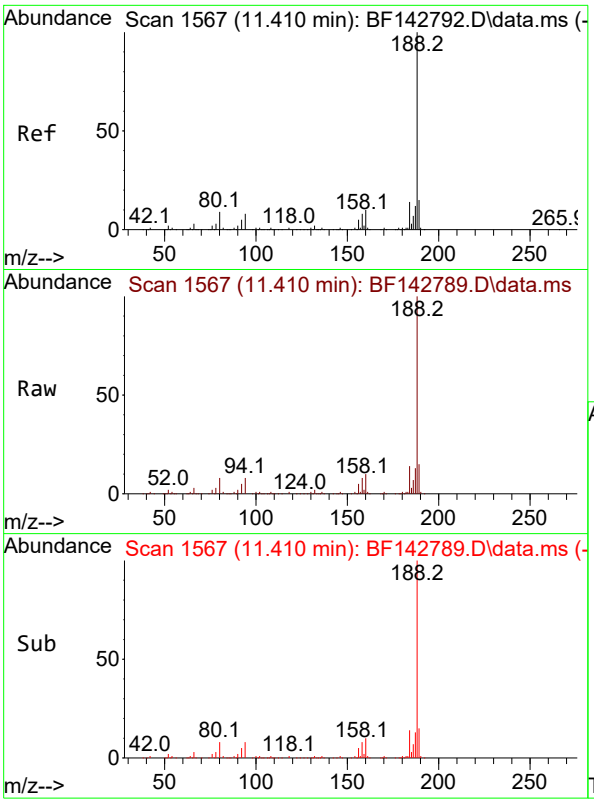




#63
Azobenzene
Concen: 5.276 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 77 Resp: 49436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.8 | 7.7 | 47.7 |
| 105 | 21.4 | 1.9 | 41.9 |
| 51 | 34.2 | 13.3 | 53.3 |



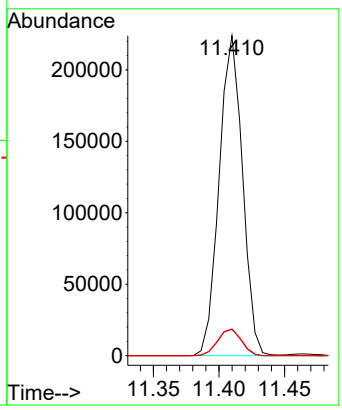


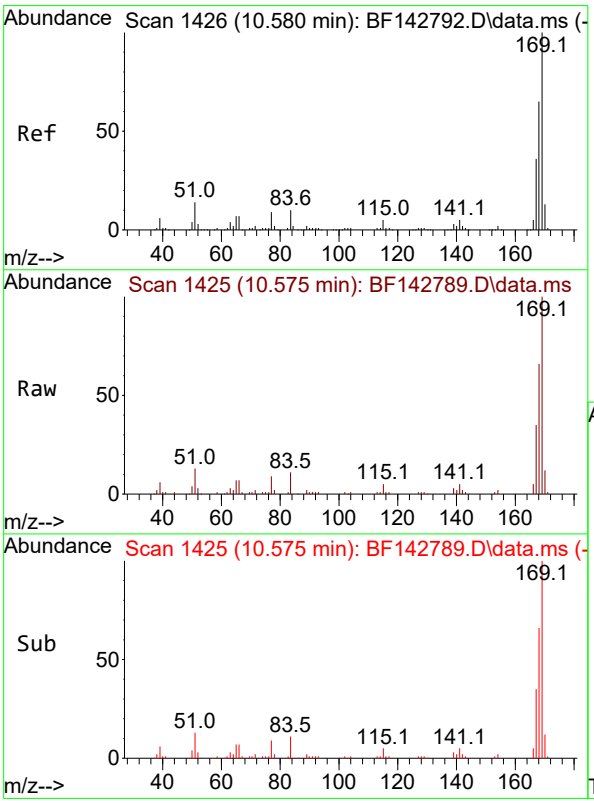

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:188 Resp: 277233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.2 | 6.7 | 10.1 |
| 80 | 8.3 | 6.9 | 10.3 |

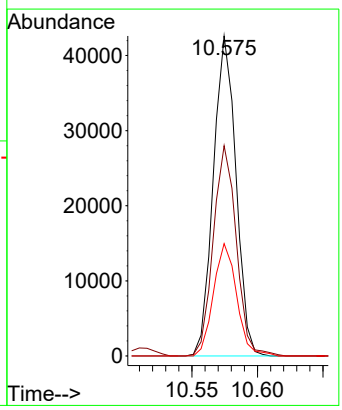


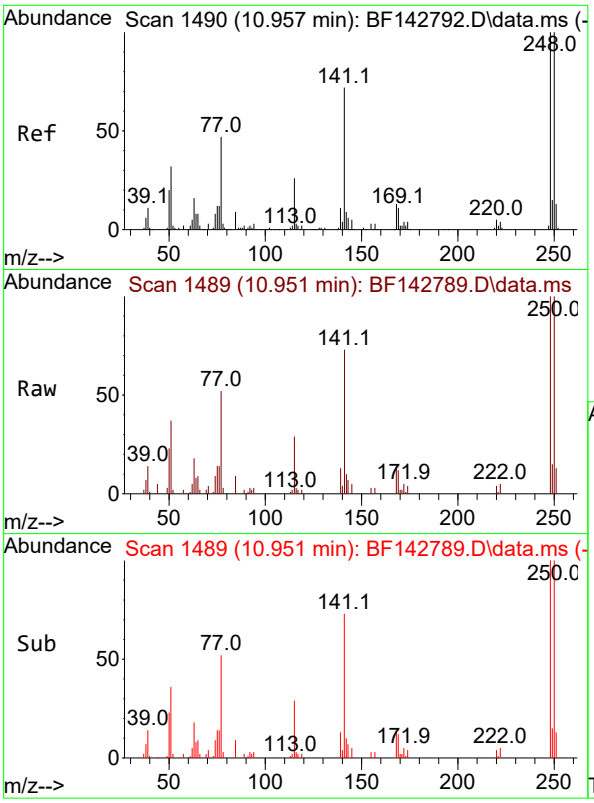




#66
n-Nitrosodiphenylamine
Concen: 5.356 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:169 Resp: 51021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.7 | 51.9 | 77.9 |
| 167 | 35.1 | 28.5 | 42.7 |



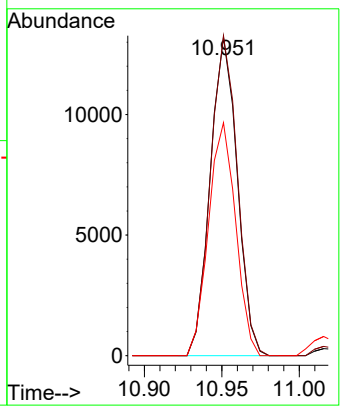


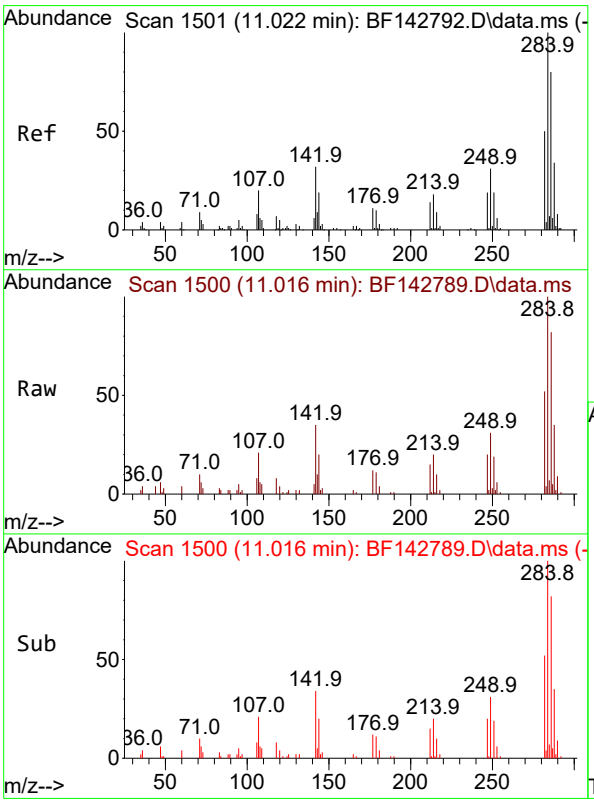

#67
4-Bromophenyl-phenylether
Concen: 4.927 ng
RT: 10.951 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:248 Resp: 15996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 100.4 | 79.8 | 119.8 |
| 141 | 73.1 | 57.8 | 86.6 |

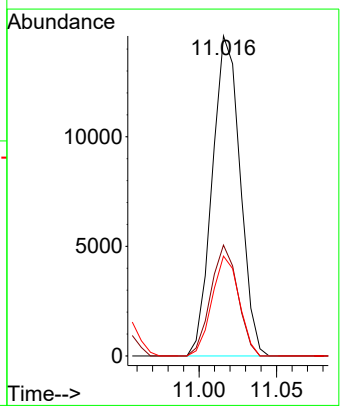


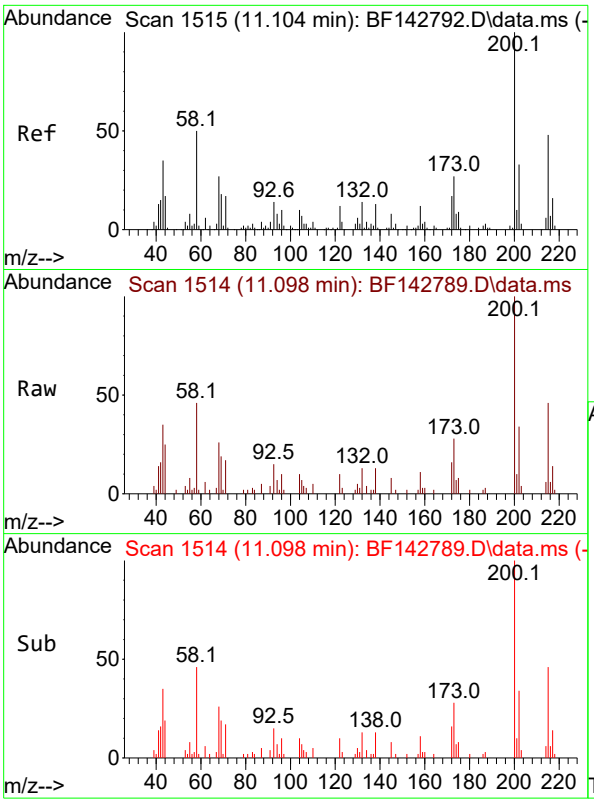




#68
Hexachlorobenzene
Concen: 5.059 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:284 Resp: 18237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.6 | 25.5 | 38.3 |
| 249 | 31.2 | 24.9 | 37.3 |



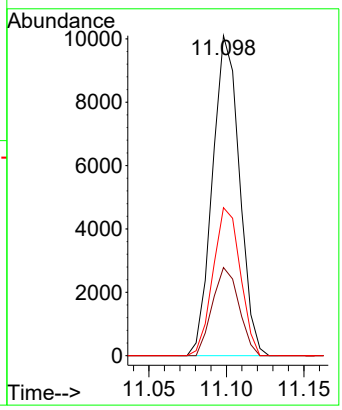


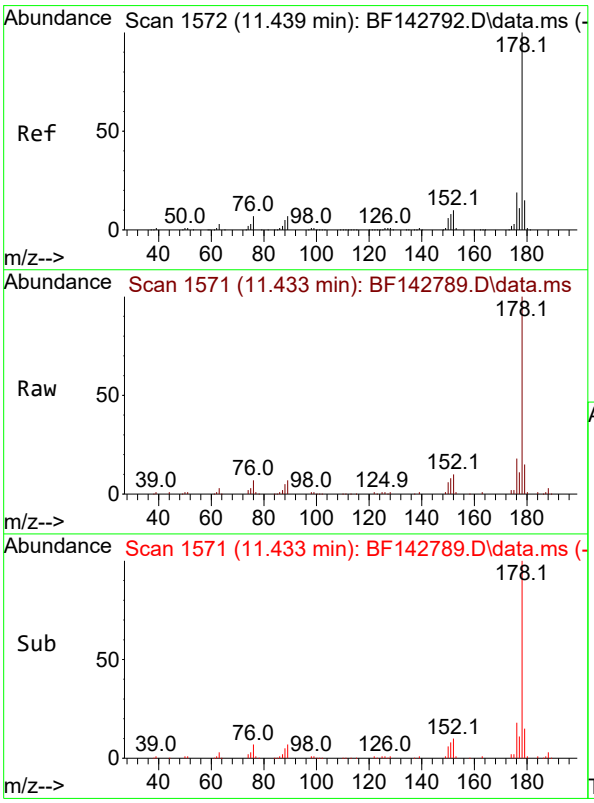

#69
Atrazine
Concen: 4.832 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:200 Resp: 12221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.6 | 7.4 | 47.4 |
| 215 | 46.2 | 28.4 | 68.4 |

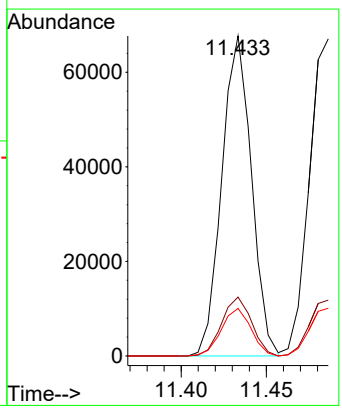


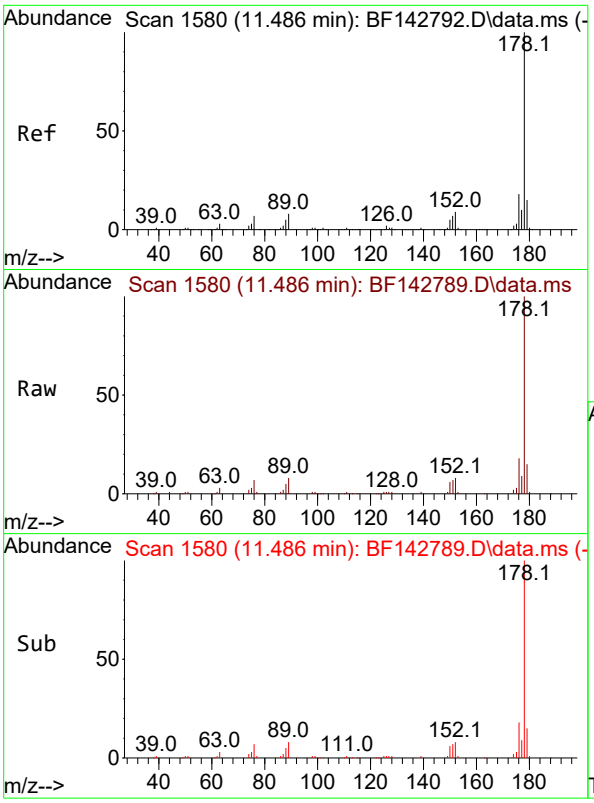




#71
Phenanthrene
Concen: 5.522 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:178 Resp: 81962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 15.1 | 22.7 |
| 179 | 14.8 | 12.0 | 18.0 |



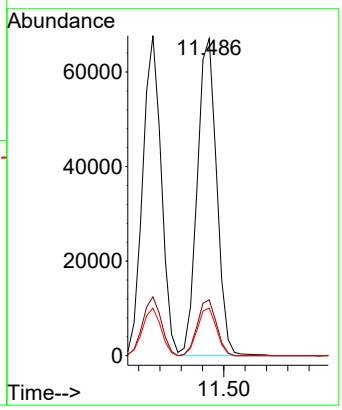


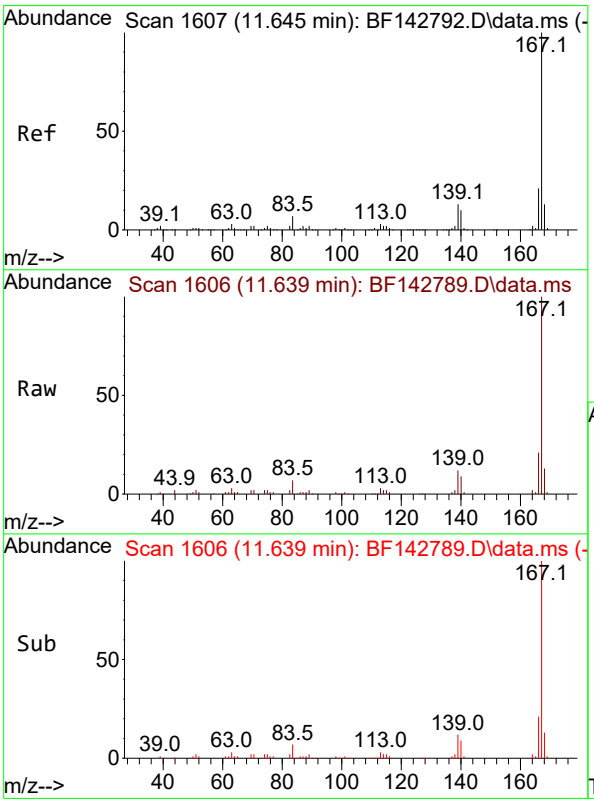

#72
Anthracene
Concen: 5.529 ng
RT: 11.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:178 Resp: 84944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.6 | 14.6 | 21.8 |
| 179 | 15.1 | 12.4 | 18.6 |

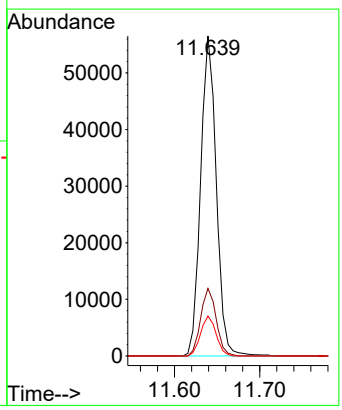


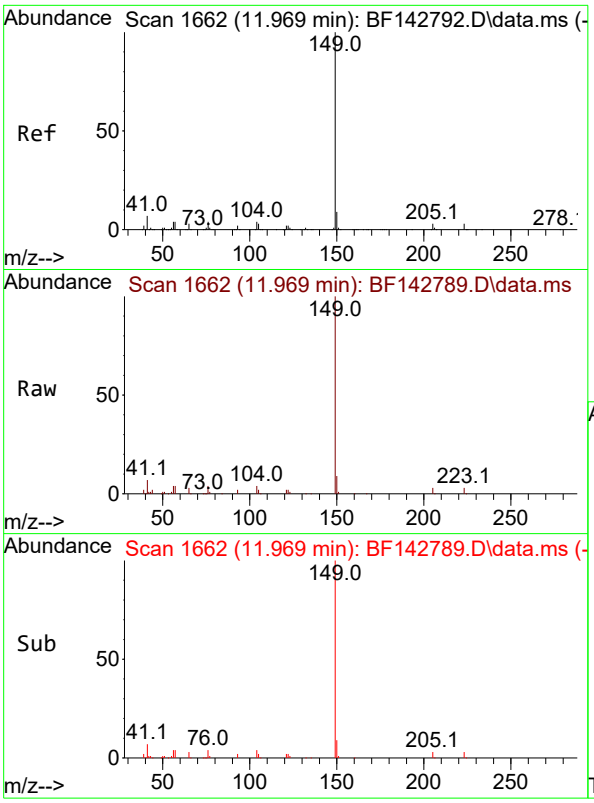




#73
Carbazole
Concen: 5.601 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:167 Resp: 72067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.1 | 17.0 | 25.4 |
| 139 | 12.5 | 10.2 | 15.2 |



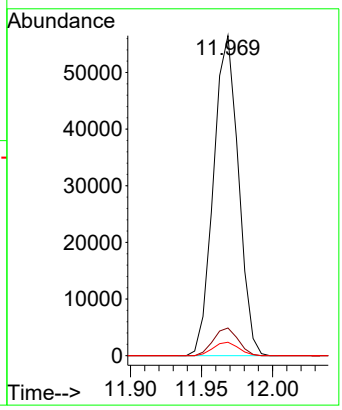


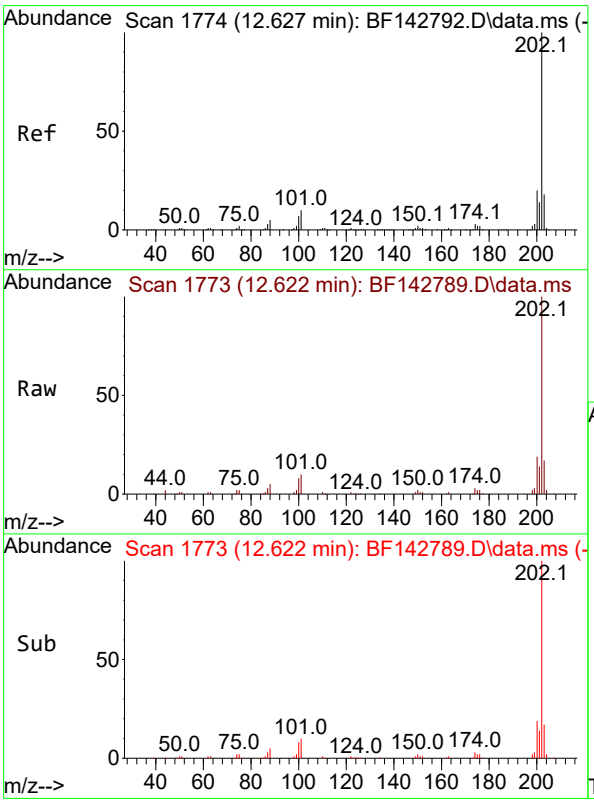

#74
Di-n-butylphthalate
Concen: 4.850 ng
RT: 11.969 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:149 Resp: 69083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 8.7 | 7.4 | 11.0 |
| 104 | 4.2 | 3.5 | 5.3 |

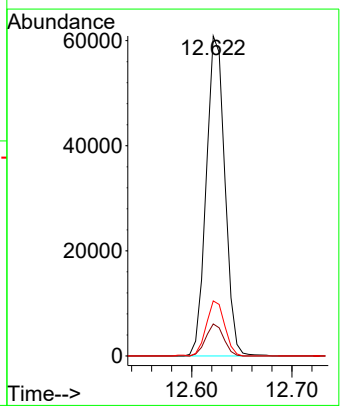


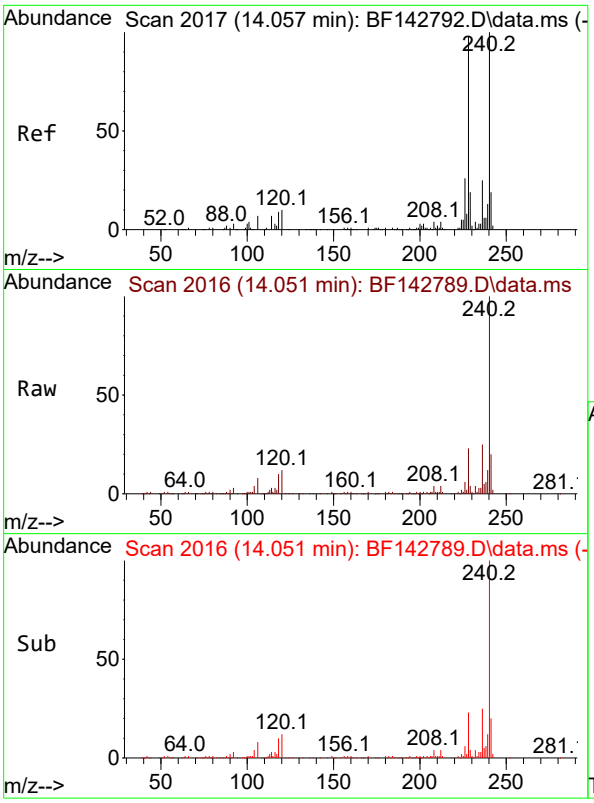




#75
Fluoranthene
Concen: 5.582 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:202 Resp: 78721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.0 | 0.0 | 29.7 |
| 203 | 17.2 | 0.0 | 37.5 |



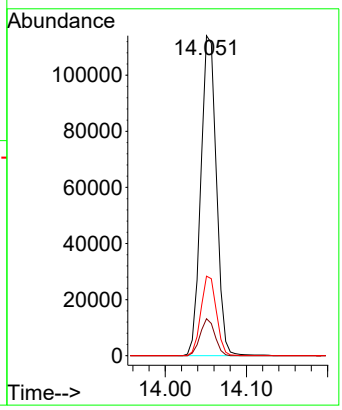


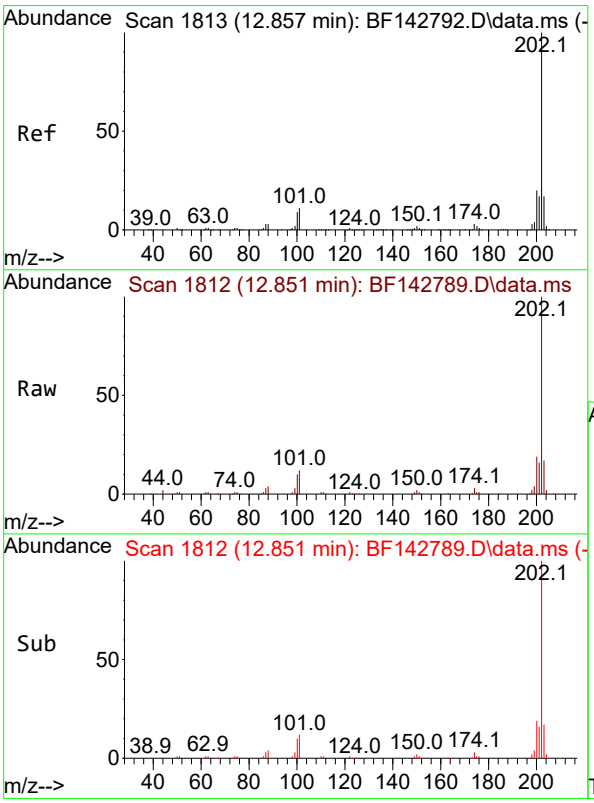

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:240 Resp: 151689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.5 | 8.2 | 12.2 |
| 236 | 24.9 | 19.8 | 29.8 |

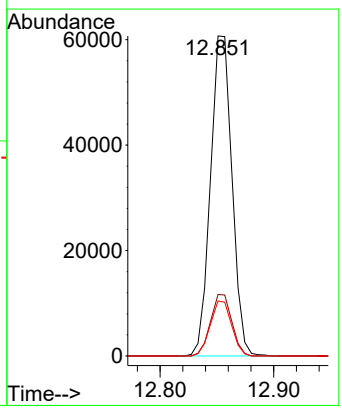


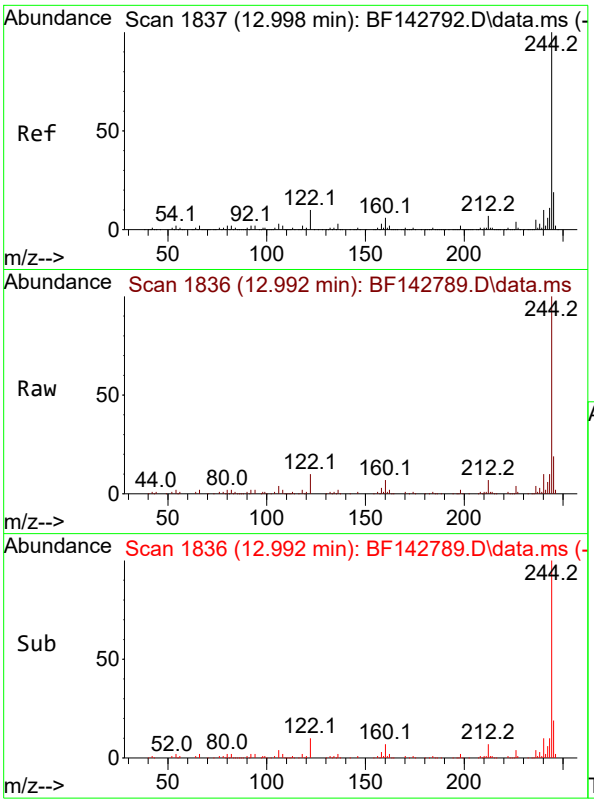




#78
Pyrene
Concen: 5.739 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:202 Resp: 80026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.2 | 15.7 | 23.5 |
| 203 | 17.2 | 13.8 | 20.6 |



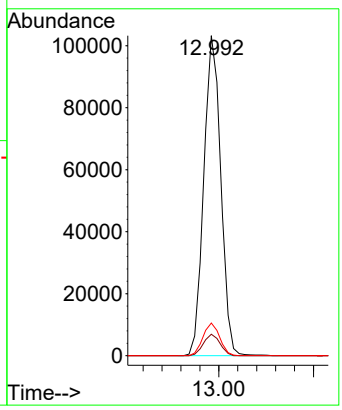


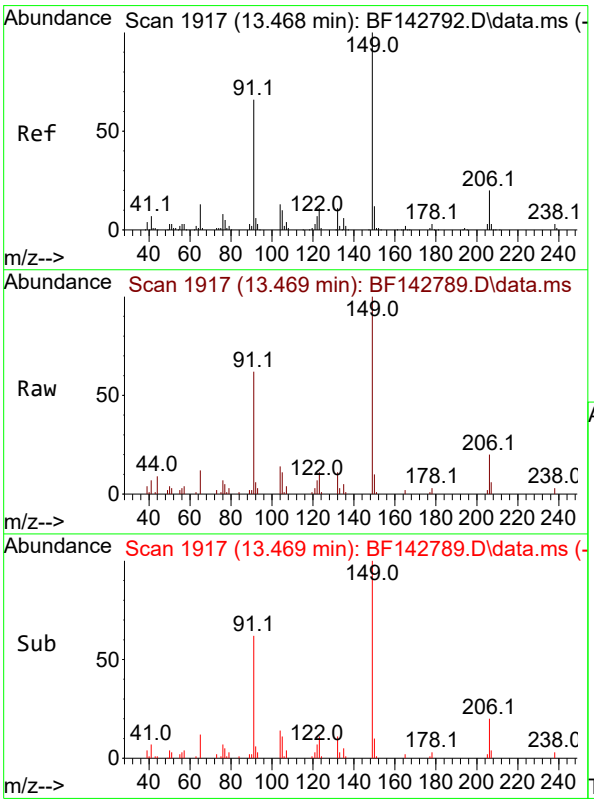

#79
Terphenyl-d14
Concen: 11.771 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:244 Resp: 128289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.4 | 8.0 |
| 122 | 10.2 | 8.2 | 12.2 |

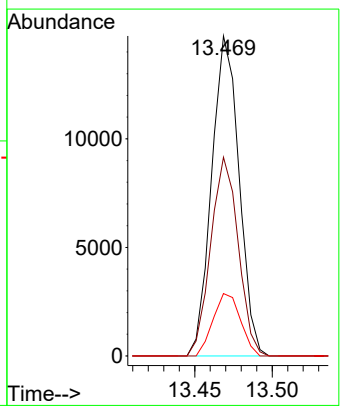


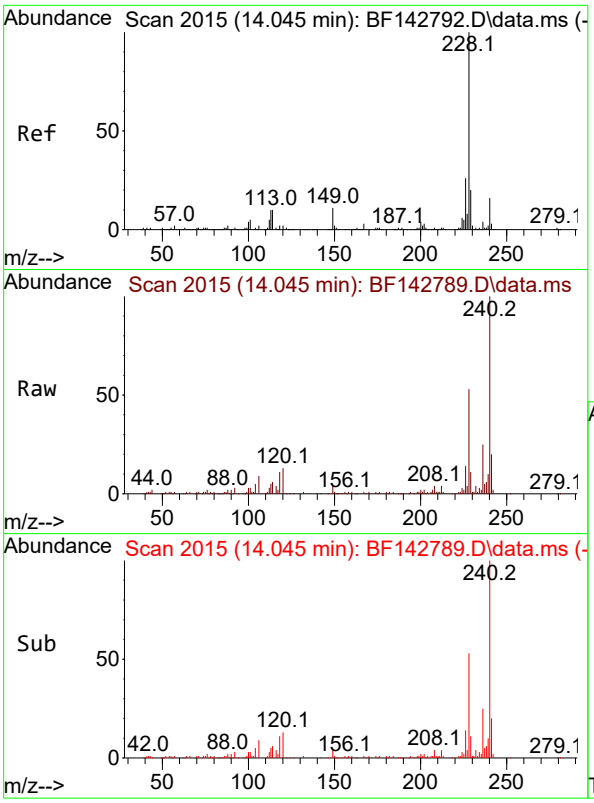




#80
Butylbenzylphthalate
Concen: 4.383 ng
RT: 13.469 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:149 Resp: 18113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 62.1 | 52.9 | 79.3 |
| 206 | 19.5 | 16.3 | 24.5 |



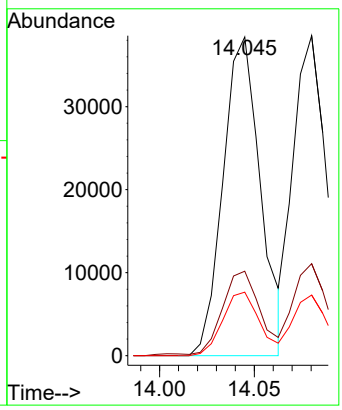


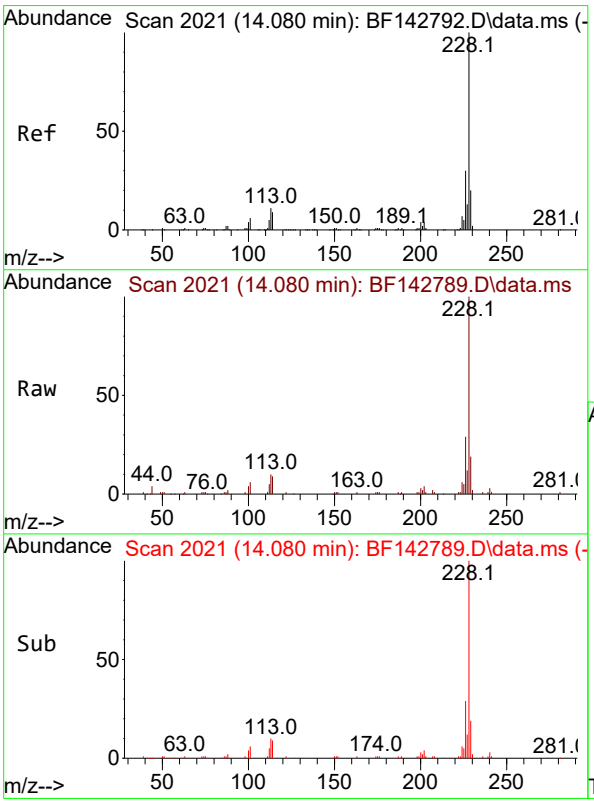

#81
Benzo(a)anthracene
Concen: 5.300 ng
RT: 14.045 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:228 Resp: 52785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.5 | 21.2 | 31.8 |
| 229 | 19.9 | 15.6 | 23.4 |

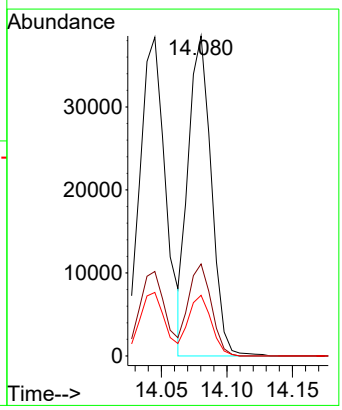


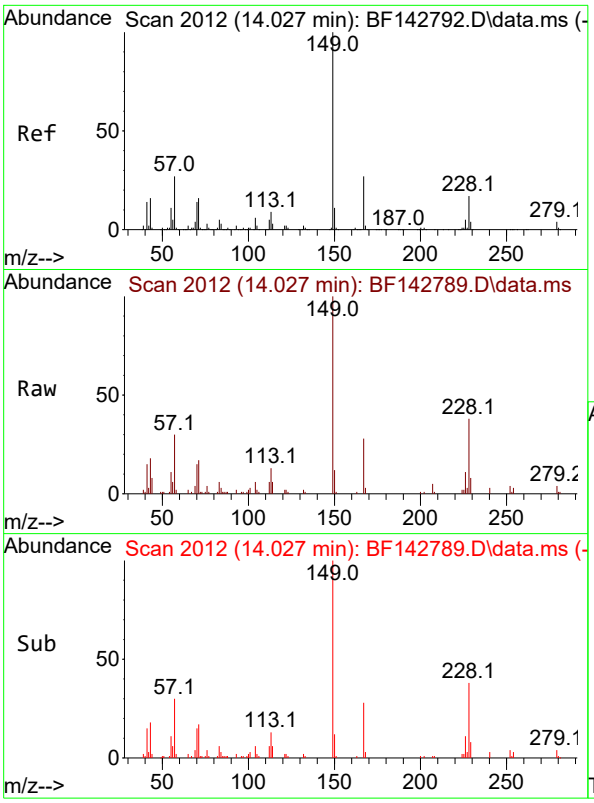




#83
Chrysene
Concen: 5.084 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:228 Resp: 47142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.7 | 23.7 | 35.5 |
| 229 | 18.9 | 15.7 | 23.5 |



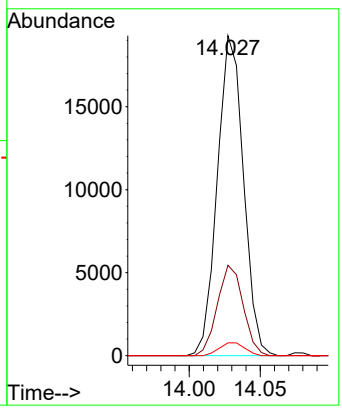


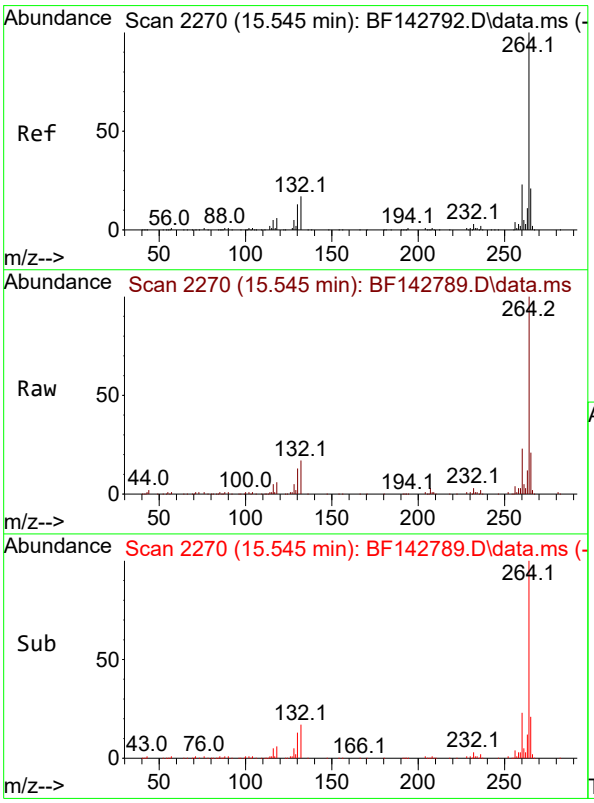

#84
Bis(2-ethylhexyl)phthalate
Concen: 4.002 ng
RT: 14.027 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:149 Resp: 24641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.3 | 21.4 | 32.0 |
| 279 | 4.0 | 3.0 | 4.6 |

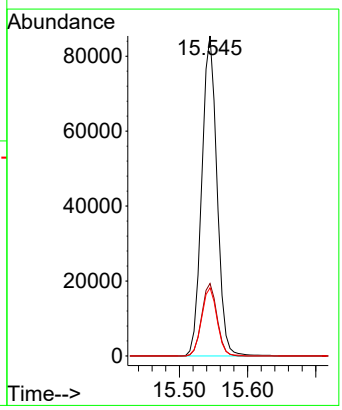


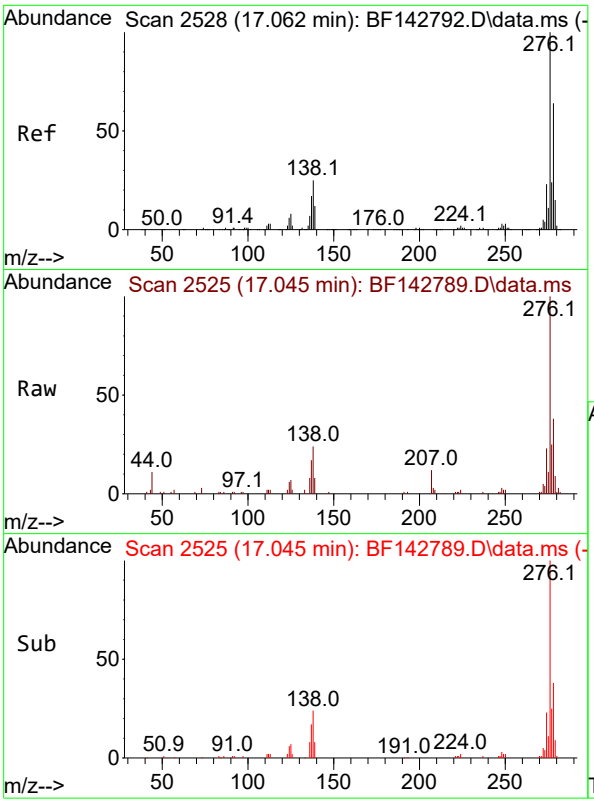




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:264 Resp: 132284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.7 | 18.1 | 27.1 |
| 265 | 21.3 | 16.6 | 25.0 |



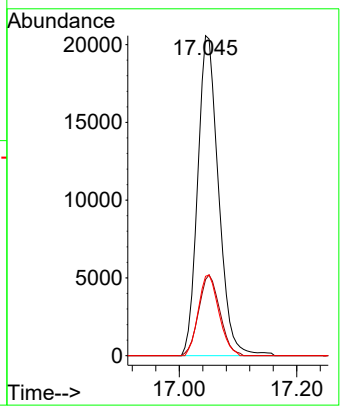


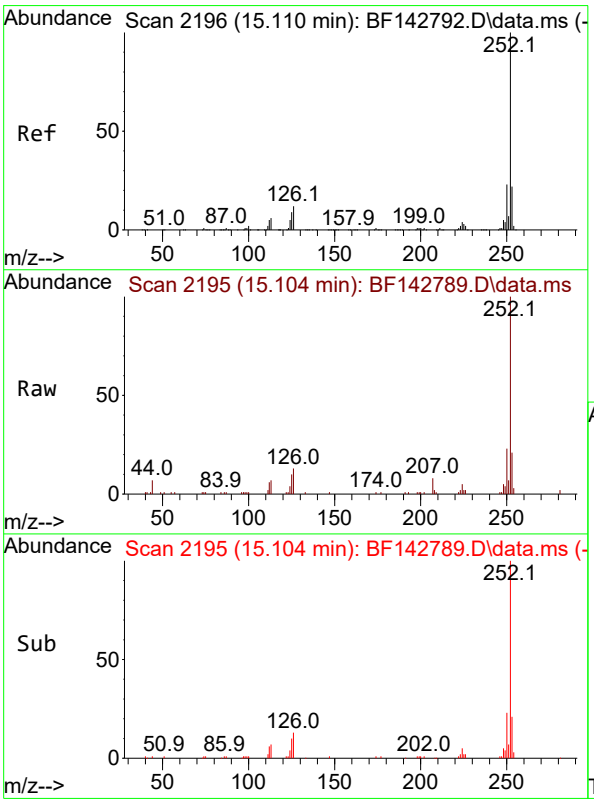

#87
Indeno(1,2,3-cd)pyrene
Concen: 5.168 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:276 Resp: 50546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.7 | 20.2 | 30.4 |
| 277 | 24.9 | 19.8 | 29.6 |

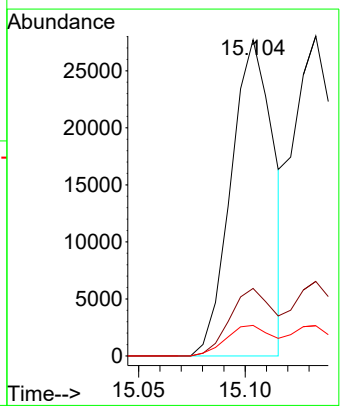


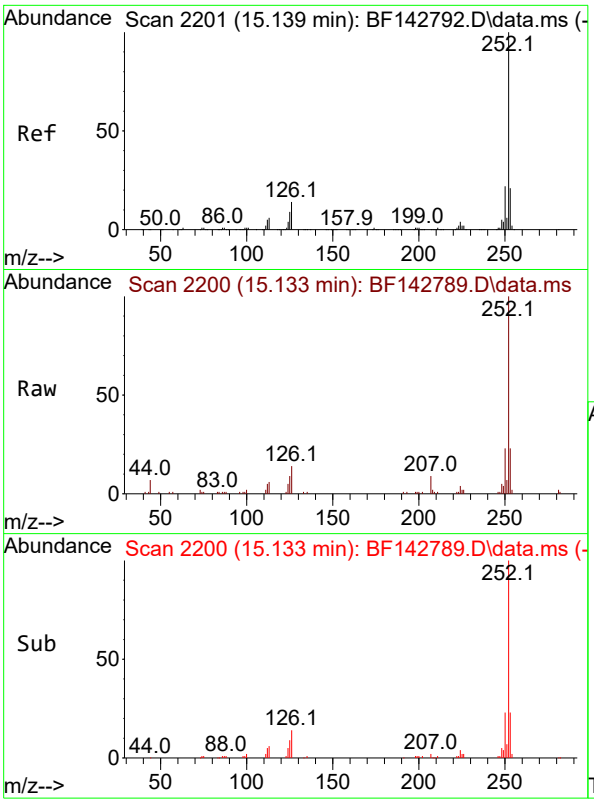




#88
Benzo(b)fluoranthene
Concen: 4.996 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:252 Resp: 38493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.3 | 17.5 | 26.3 |
| 125 | 9.7 | 7.4 | 11.0 |



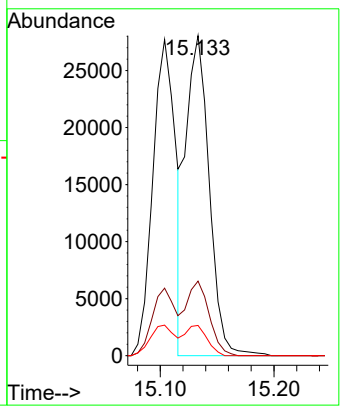


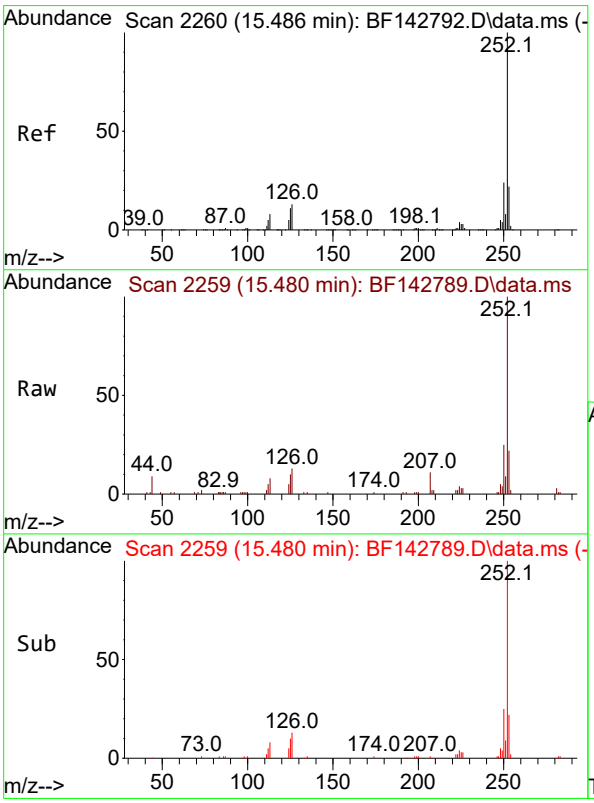

#89
Benzo(k)fluoranthene
Concen: 5.302 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:252 Resp: 39874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 17.2 | 25.8 |
| 125 | 9.4 | 7.4 | 11.2 |

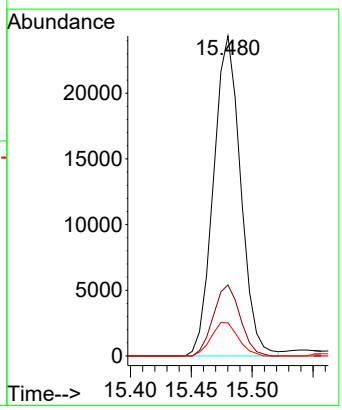


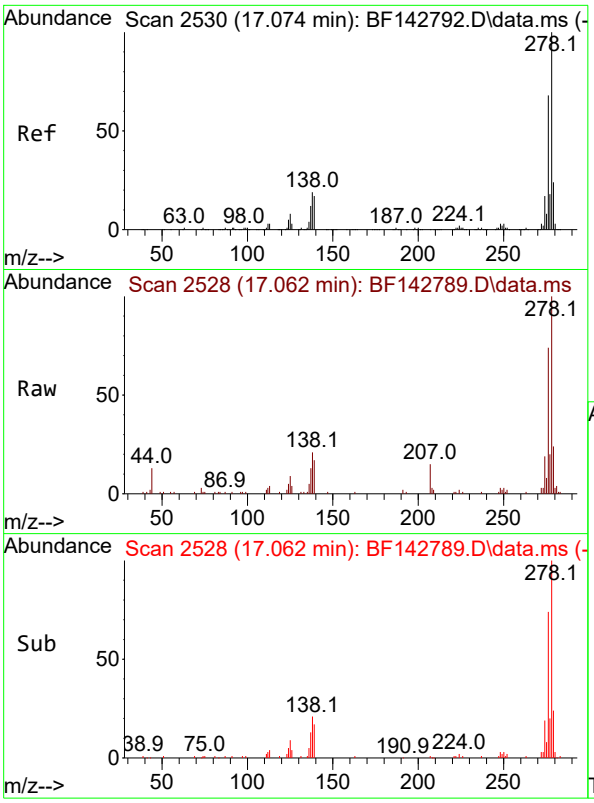




#90
Benzo(a)pyrene
Concen: 5.124 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:252 Resp: 37779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.5 | 26.3 |
| 125 | 10.3 | 8.6 | 12.8 |



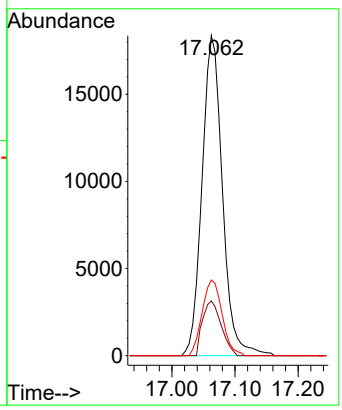


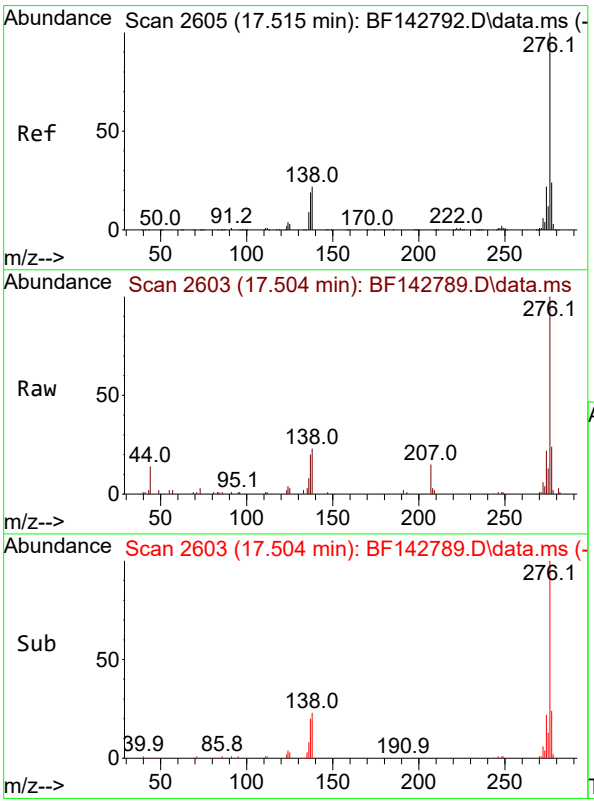

#91
Dibenzo(a,h)anthracene
Concen: 5.194 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

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

Tgt Ion:278 Resp: 41301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.1 | 13.5 | 20.3 |
| 279 | 23.6 | 18.8 | 28.2 |

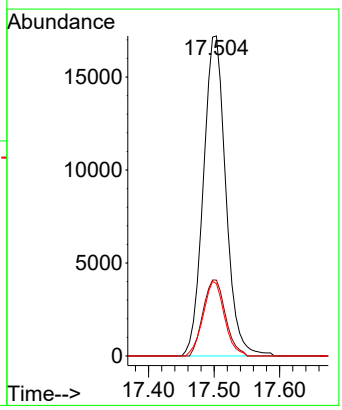



#92
Benzo(g,h,i)perylene
Concen: 5.165 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:276 Resp: 40975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 18.8 | 28.2 |
| 138 | 22.6 | 17.6 | 26.4 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142790.D
Acq On : 19 Jun 2025 18:08
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jun 20 04:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 76918 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 299903 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.922 | 164 | 158336 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.410 | 188 | 273084 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.057 | 240 | 152374 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 140417 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 94601 | 20.977 | ng | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 113910 | 21.510 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.440 | 82 | 108508 | 19.832 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 32767 | 19.042 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.239 | 172 | 259052 | 21.765 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.992 | 244 | 237037 | 21.651 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.640 | 88 | 19183 | 10.712 | ng | 98 |
| 3) Pyridine | 3.416 | 79 | 45966 | 10.252 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.346 | 42 | 23459 | 10.216 | ng | 99 |
| 6) Aniline | 6.540 | 93 | 74779 | 10.537 | ng | 100 |
| 8) 2-Chlorophenol | 6.663 | 128 | 50128 | 10.208 | ng | 99 |
| 9) Benzaldehyde | 6.428 | 77 | 37993 | 11.768 | ng | 98 |
| 10) Phenol | 6.516 | 94 | 63585 | 10.769 | ng | 95 |
| 11) bis(2-Chloroethyl)ether | 6.610 | 93 | 43585 | 9.950 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 57659 | 10.312 | ng | 97 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 57522 | 10.149 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 54672 | 10.091 | ng | 99 |
| 15) Benzyl Alcohol | 7.016 | 79 | 39348 | 9.927 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151 | 45 | 71897 | 10.417 | ng | 99 |
| 17) 2-Methylphenol | 7.128 | 107 | 38357 | 10.217 | ng | 98 |
| 18) Hexachloroethane | 7.393 | 117 | 20035 | 9.889 | ng | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.281 | 70 | 32293 | 9.670 | ng | 98 |
| 20) 3+4-Methylphenols | 7.281 | 107 | 49675 | 10.513 | ng | 91 |
| 22) Acetophenone | 7.287 | 105 | 67666 | 10.197 | ng | 98 |
| 24) Nitrobenzene | 7.457 | 77 | 48789 | 10.034 | ng | 99 |
| 25) Isophorone | 7.698 | 82 | 87205 | 9.504 | ng | 99 |
| 26) 2-Nitrophenol | 7.781 | 139 | 25734 | 9.498 | ng | 99 |
| 27) 2,4-Dimethylphenol | 7.810 | 122 | 46454 | 10.071 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.910 | 93 | 55907 | 9.788 | ng | 100 |
| 29) 2,4-Dichlorophenol | 8.022 | 162 | 41925 | 9.861 | ng | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.104 | 180 | 47419 | 10.097 | ng | 99 |
| 31) Naphthalene | 8.187 | 128 | 150265 | 10.188 | ng | 100 |
| 32) Benzoic acid | 7.887 | 122 | 17708 | 6.919 | ng | 90 |
| 33) 4-Chloroaniline | 8.234 | 127 | 61190 | 10.352 | ng | 98 |
| 34) Hexachlorobutadiene | 8.304 | 225 | 28192 | 9.473 | ng | 100 |
| 35) Caprolactam | 8.569 | 113 | 10933 | 9.557 | ng | 98 |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 41204 | 9.382 | ng | 98 |
| 37) 2-Methylnaphthalene | 8.875 | 142 | 93078 | 10.003 | ng | 98 |
| 38) 1-Methylnaphthalene | 8.975 | 142 | 96673 | 10.007 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.045 | 216 | 48175 | 10.540 | ng | 98 |
| 41) Hexachlorocyclopentadiene | 9.028 | 237 | 18602 | 6.436 | ng | 97 |
| 43) 2,4,6-Trichlorophenol | 9.157 | 196 | 30118 | 10.182 | ng | 96 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142790.D
Acq On : 19 Jun 2025 18:08
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jun 20 04:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 9.192 | 196 | 31900 | 9.987 | ng | 99 |
| 46) | 1,1'-Biphenyl | 9.339 | 154 | 127911 | 10.404 | ng | 98 |
| 47) | 2-Chloronaphthalene | 9.363 | 162 | 95194 | 10.493 | ng | 100 |
| 48) | 2-Nitroaniline | 9.457 | 65 | 26075 | 10.117 | ng | 98 |
| 49) | Acenaphthylene | 9.781 | 152 | 158842 | 10.415 | ng | 99 |
| 50) | Dimethylphthalate | 9.634 | 163 | 105636 | 10.058 | ng | 99 |
| 51) | 2,6-Dinitrotoluene | 9.698 | 165 | 22116 | 9.714 | ng | 97 |
| 52) | Acenaphthene | 9.951 | 154 | 94961 | 10.062 | ng | 98 |
| 53) | 3-Nitroaniline | 9.869 | 138 | 24651 | 9.968 | ng | 98 |
| 54) | 2,4-Dinitrophenol | 9.981 | 184 | 7521 | 6.104 | ng | 97 |
| 55) | Dibenzofuran | 10.128 | 168 | 140256 | 10.416 | ng | 97 |
| 56) | 4-Nitrophenol | 10.028 | 139 | 14986 | 8.927 | ng | 94 |
| 57) | 2,4-Dinitrotoluene | 10.104 | 165 | 29934 | 9.943 | ng | 99 |
| 58) | Fluorene | 10.469 | 166 | 111772 | 10.518 | ng | 99 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.245 | 232 | 25885 | 9.666 | ng | 96 |
| 60) | Diethylphthalate | 10.334 | 149 | 103048 | 9.877 | ng | 100 |
| 61) | 4-Chlorophenyl-phenyle... | 10.463 | 204 | 51958 | 10.067 | ng | 96 |
| 62) | 4-Nitroaniline | 10.475 | 138 | 21876 | 9.854 | ng | 98 |
| 63) | Azobenzene | 10.622 | 77 | 90965 | 9.977 | ng | 98 |
| 65) | 4,6-Dinitro-2-methylph... | 10.510 | 198 | 13545 | 7.982 | ng | 91 |
| 66) | n-Nitrosodiphenylamine | 10.575 | 169 | 93632 | 9.978 | ng | 100 |
| 67) | 4-Bromophenyl-phenylether | 10.951 | 248 | 30145 | 9.425 | ng | 97 |
| 68) | Hexachlorobenzene | 11.016 | 284 | 33838 | 9.530 | ng | 98 |
| 69) | Atrazine | 11.098 | 200 | 23423 | 9.401 | ng | 98 |
| 70) | Pentachlorophenol | 11.216 | 266 | 13894 | 7.534 | ng | 96 |
| 71) | Phenanthrene | 11.433 | 178 | 151997 | 10.396 | ng | 100 |
| 72) | Anthracene | 11.486 | 178 | 153376 | 10.135 | ng | 99 |
| 73) | Carbazole | 11.639 | 167 | 134656 | 10.625 | ng | 99 |
| 74) | Di-n-butylphthalate | 11.969 | 149 | 137293 | 9.784 | ng | 99 |
| 75) | Fluoranthene | 12.622 | 202 | 148540 | 10.693 | ng | 98 |
| 77) | Benzidine | 12.745 | 184 | 56769 | 10.524 | ng | 98 |
| 78) | Pyrene | 12.851 | 202 | 147819 | 10.553 | ng | 100 |
| 80) | Butylbenzylphthalate | 13.469 | 149 | 35843 | 8.635 | ng | 100 |
| 81) | Benzo(a)anthracene | 14.045 | 228 | 103495 | 10.345 | ng | 99 |
| 82) | 3,3'-Dichlorobenzidine | 14.004 | 252 | 30349 | 9.368 | ng | 99 |
| 83) | Chrysene | 14.080 | 228 | 90725 | 9.741 | ng | 98 |
| 84) | Bis(2-ethylhexyl)phtha... | 14.027 | 149 | 51432 | 8.316 | ng | 99 |
| 85) | Di-n-octyl phthalate | 14.645 | 149 | 91989 | 7.805 | ng | 100 |
| 87) | Indeno(1,2,3-cd)pyrene | 17.051 | 276 | 104445 | 10.061 | ng | 100 |
| 88) | Benzo(b)fluoranthene | 15.104 | 252 | 85689 | 10.478 | ng | 99 |
| 89) | Benzo(k)fluoranthene | 15.133 | 252 | 70470 | 8.828 | ng | 99 |
| 90) | Benzo(a)pyrene | 15.480 | 252 | 74803 | 9.558 | ng | 99 |
| 91) | Dibenzo(a,h)anthracene | 17.062 | 278 | 85238 | 10.099 | ng | 99 |
| 92) | Benzo(g,h,i)perylene | 17.504 | 276 | 84115 | 9.989 | ng | 98 |

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

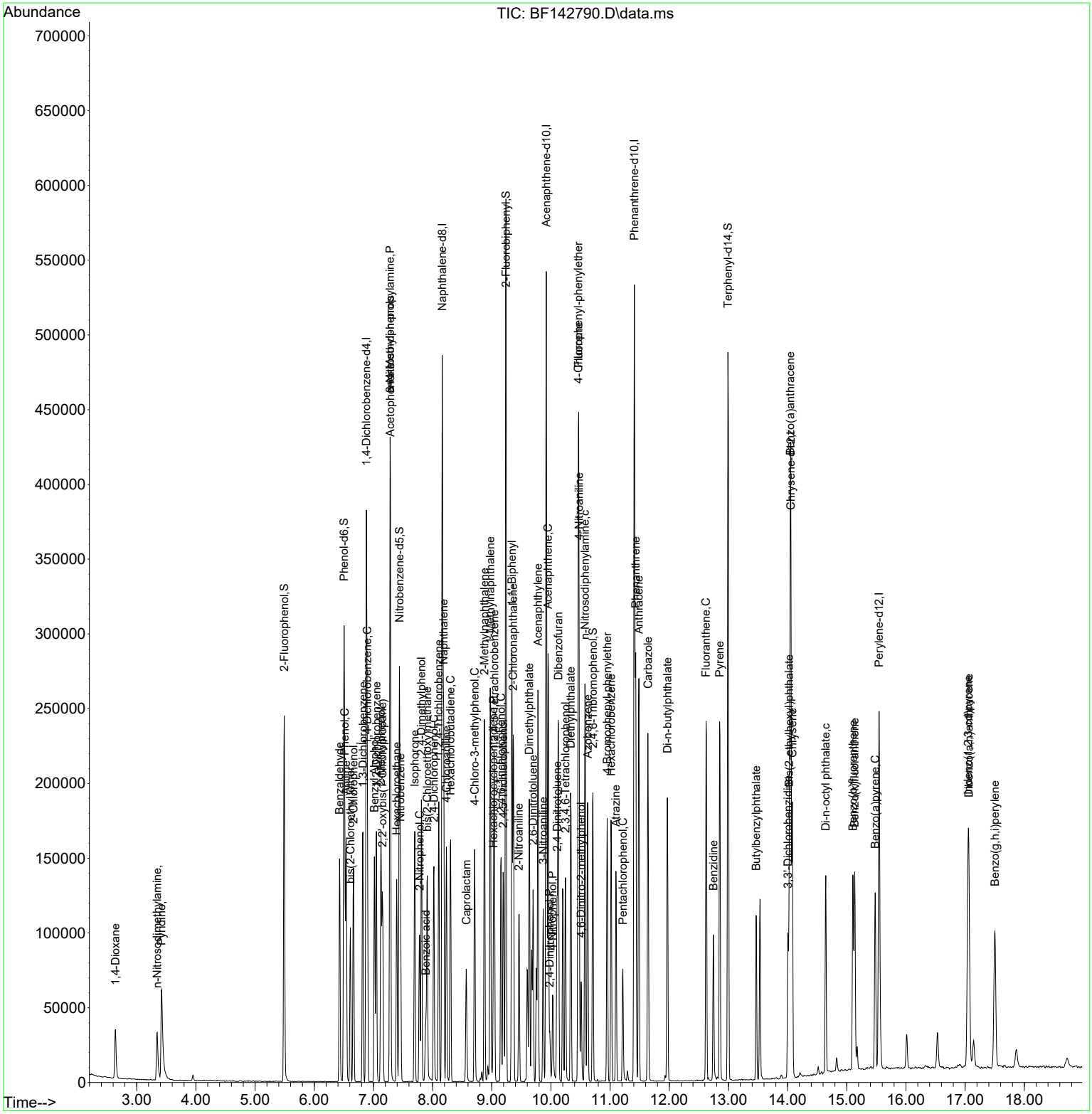
Quantitation Report (QT Reviewed)

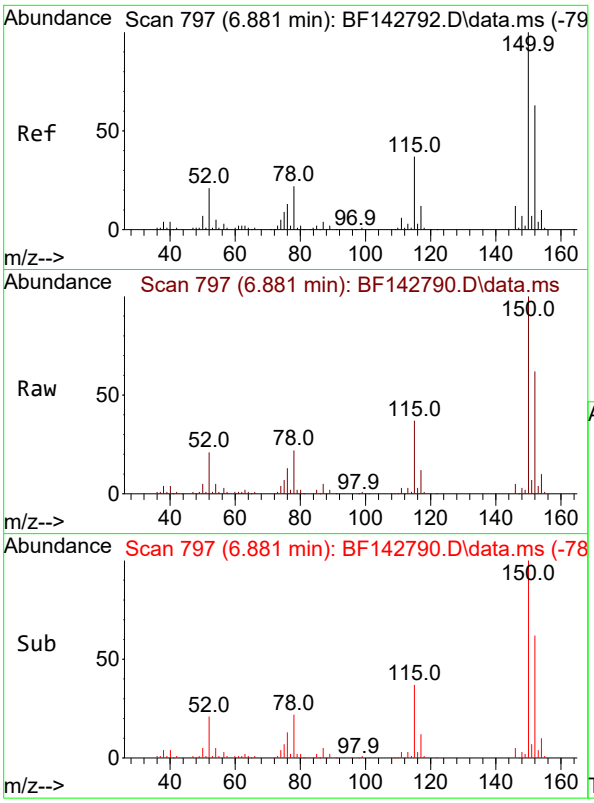
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142790.D
Acq On : 19 Jun 2025 18:08
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jun 20 04:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



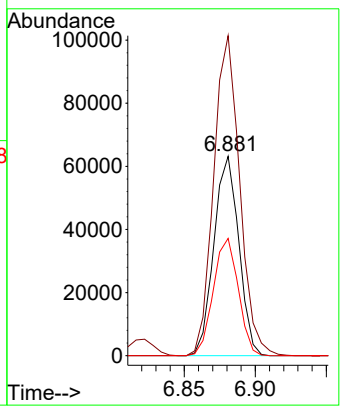


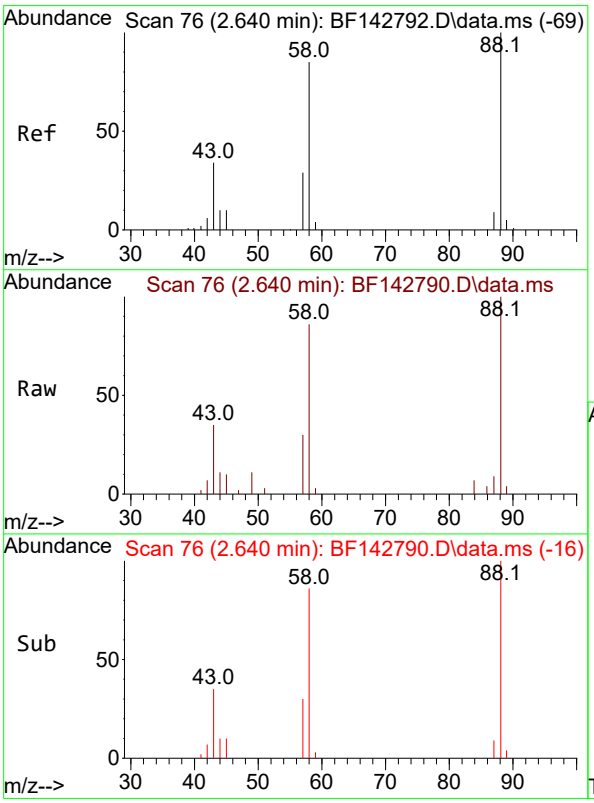

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:152 Resp: 76918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.5 | 127.2 | 190.8 |
| 115 | 58.8 | 46.6 | 69.8 |

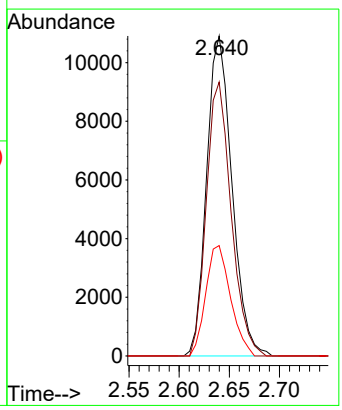


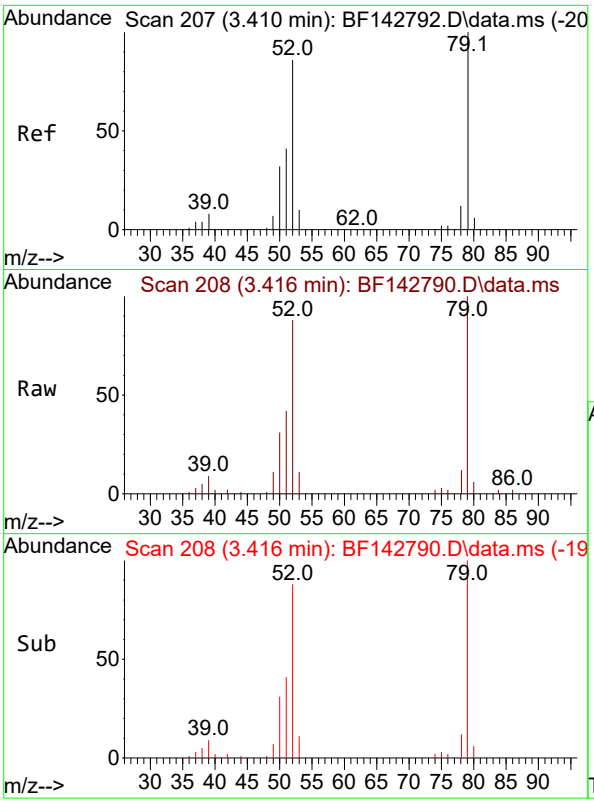




#2
1,4-Dioxane
Concen: 10.712 ng
RT: 2.640 min Scan# 76
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion: 88 Resp: 19183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 83.9 | 69.1 | 103.7 |
| 43 | 33.7 | 27.4 | 41.2 |



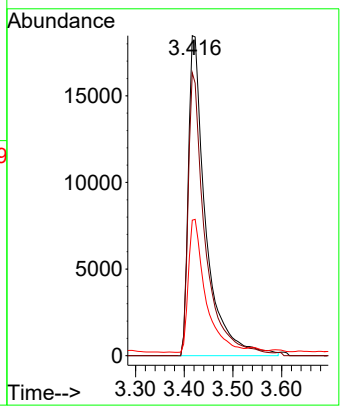


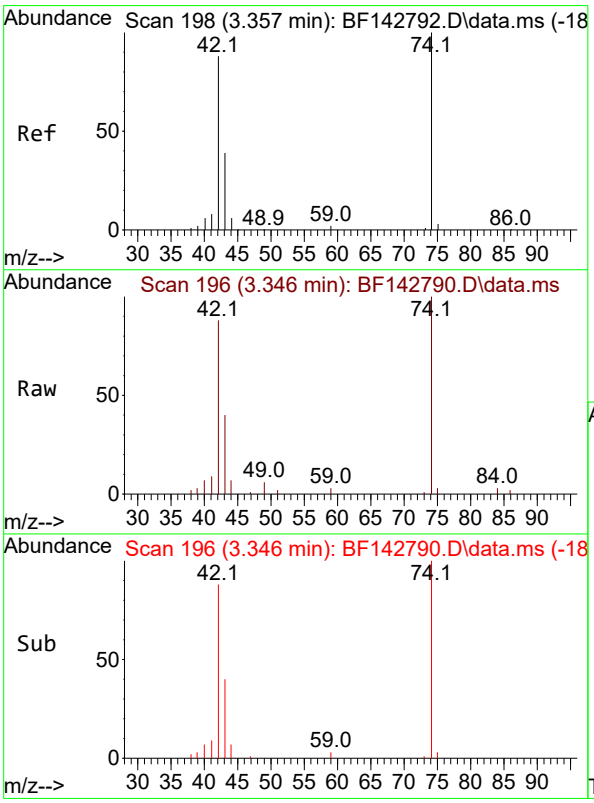

#3
Pyridine
Concen: 10.252 ng
RT: 3.416 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion: 79 Resp: 45966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 88.4 | 69.2 | 103.8 |
| 51 | 42.4 | 33.2 | 49.8 |

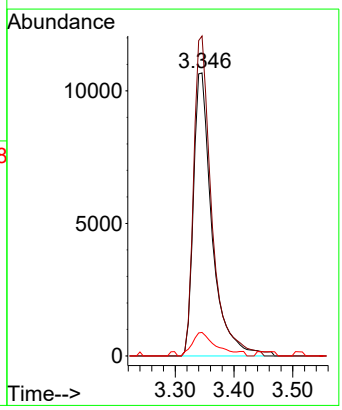


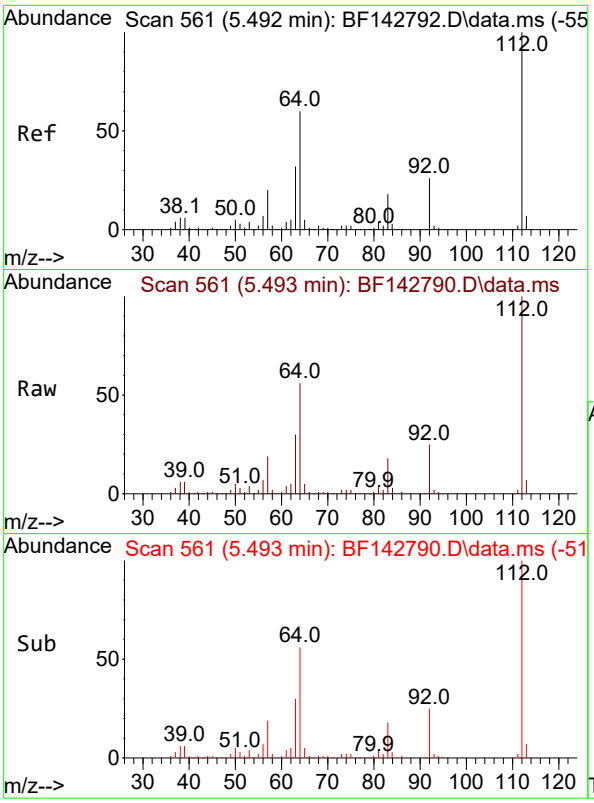




#4
n-Nitrosodimethylamine
Concen: 10.216 ng
RT: 3.346 min Scan# 196
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion: 42 Resp: 23459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 113.1 | 90.9 | 136.3 |
| 44 | 8.3 | 5.8 | 8.6 |



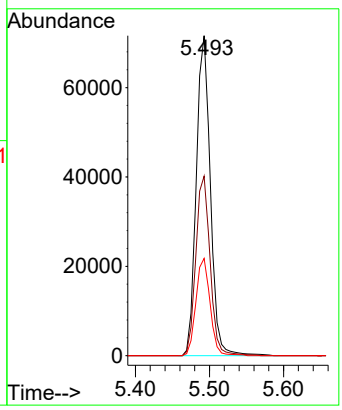


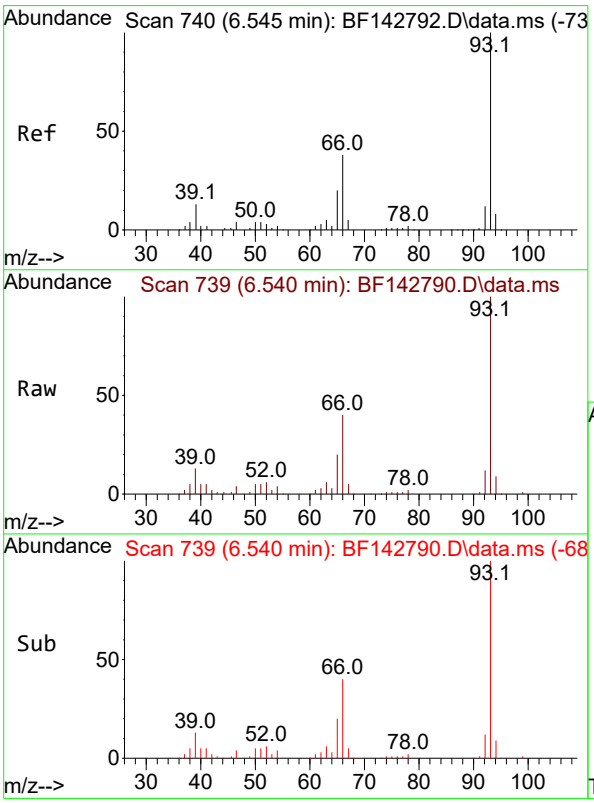

#5
2-Fluorophenol
Concen: 20.977 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:112 Resp: 94601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.1 | 48.2 | 72.2 |
| 63 | 30.4 | 25.7 | 38.5 |

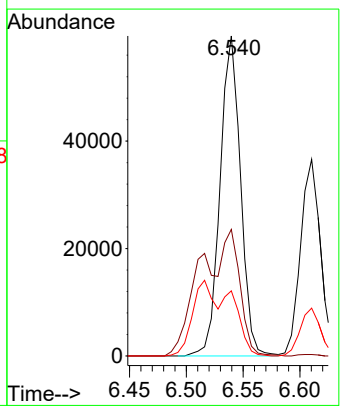


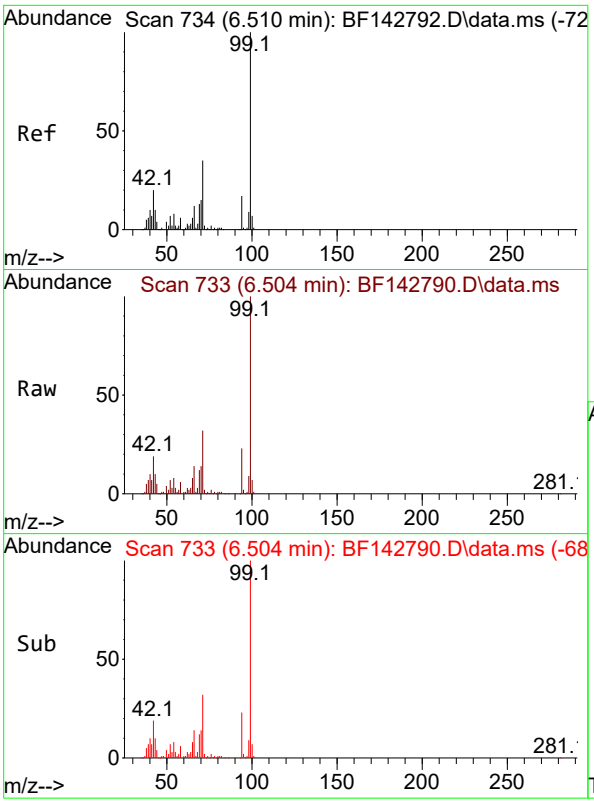




#6
Aniline
Concen: 10.537 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion: 93 Resp: 74779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.6 | 31.8 | 47.6 |
| 65 | 20.4 | 16.2 | 24.2 |



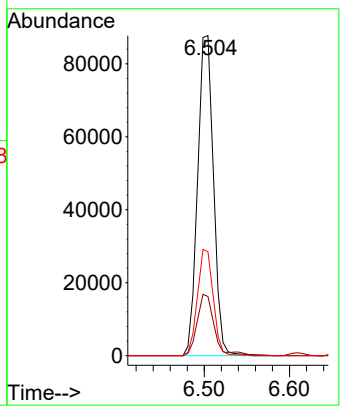


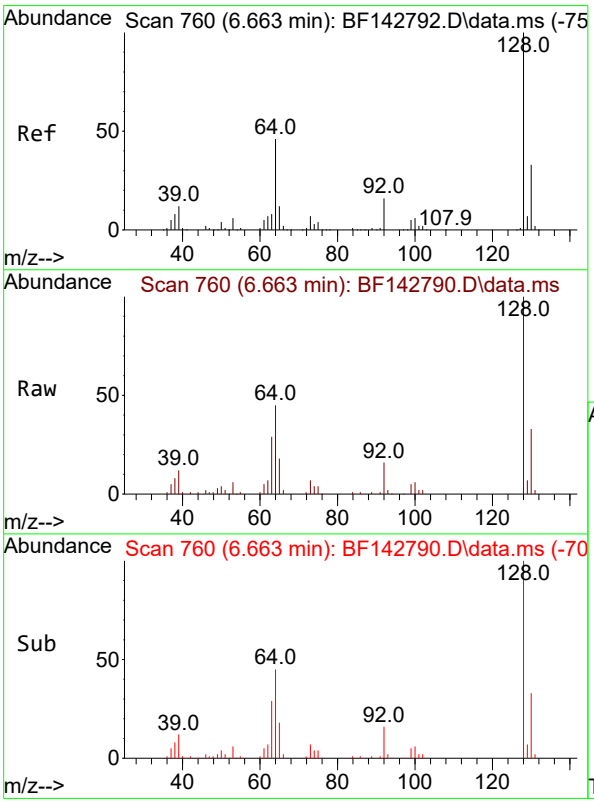

#7
Phenol-d6
Concen: 21.510 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion: 99 Resp: 113910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.5 | 15.9 | 23.9 |
| 71 | 32.5 | 27.8 | 41.8 |

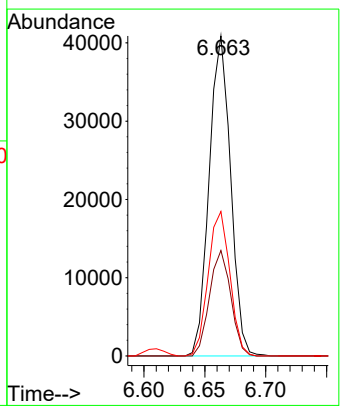


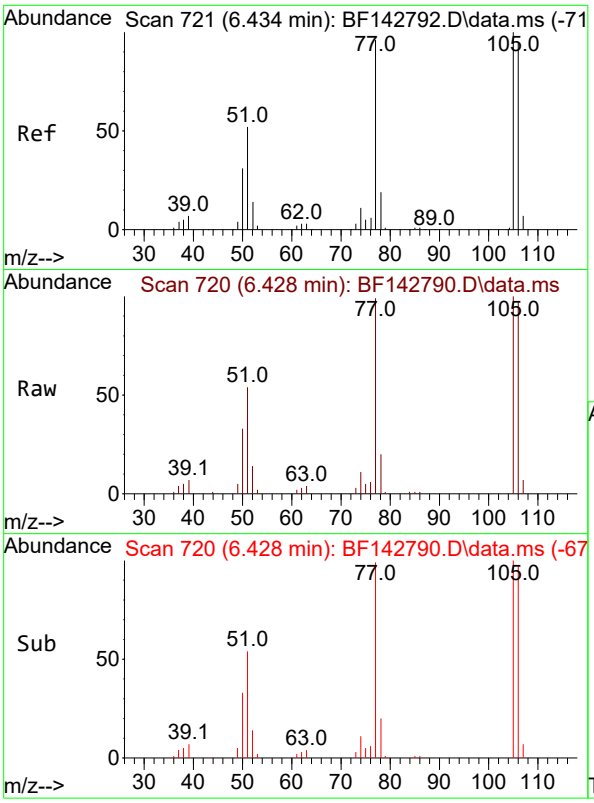




#8
2-Chlorophenol
Concen: 10.208 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:128 Resp: 50128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.0 | 12.7 | 52.7 |
| 64 | 45.2 | 26.5 | 66.5 |



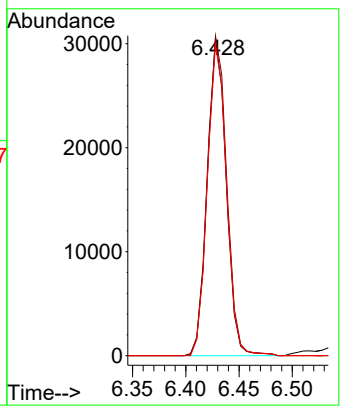


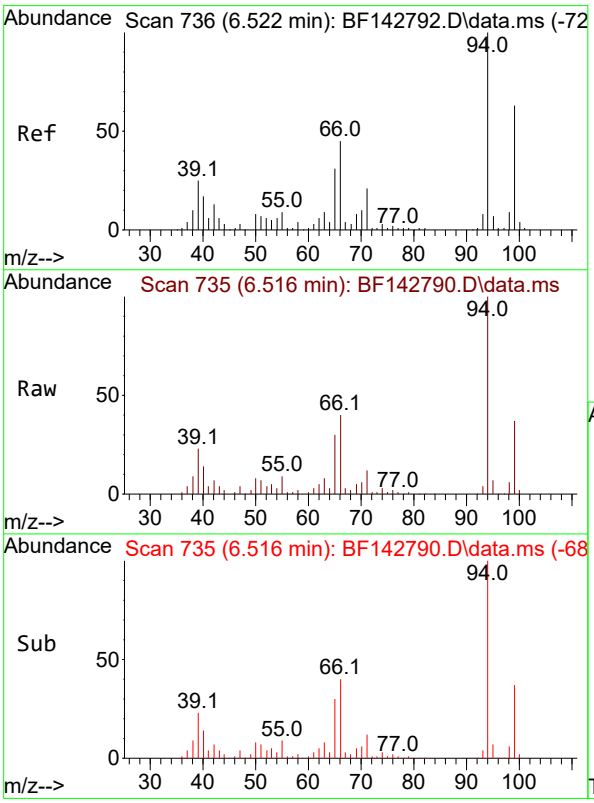

#9
Benzaldehyde
Concen: 11.768 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion: 77 Resp: 37993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 100.8 | 83.8 | 123.8 |
| 106 | 98.1 | 78.7 | 118.7 |

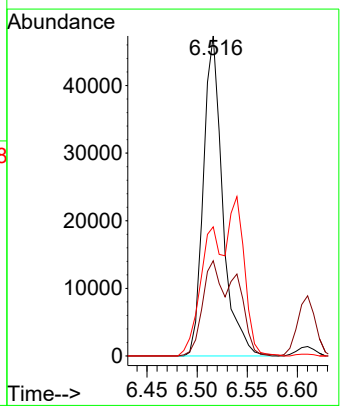


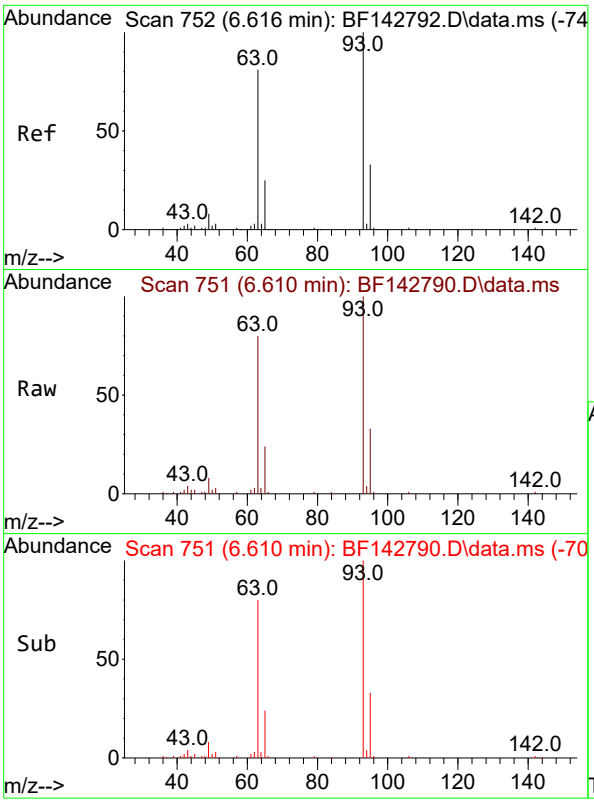




#10
Phenol
Concen: 10.769 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion: 94 Resp: 63585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.8 | 11.3 | 51.3 |
| 66 | 40.3 | 24.9 | 64.9 |



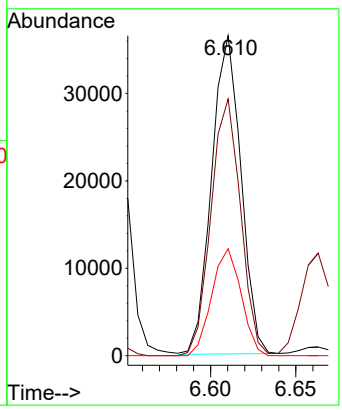


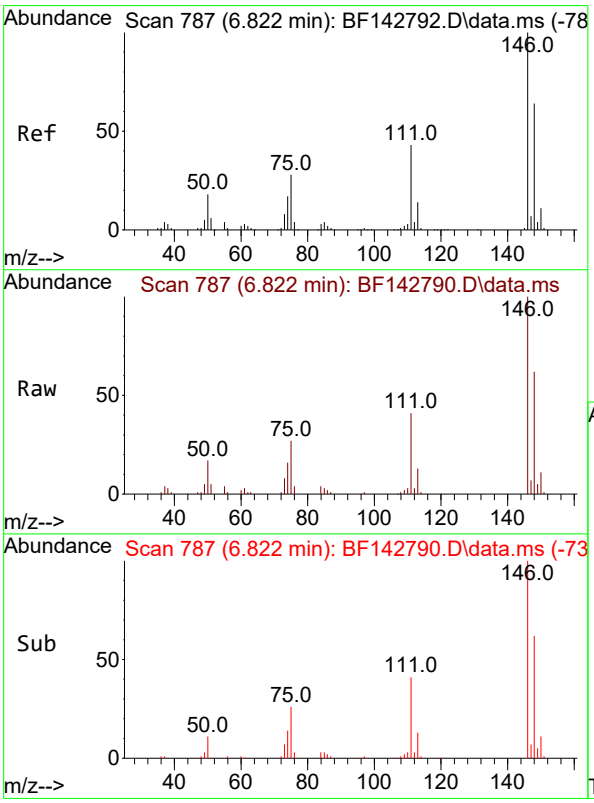

#11
bis(2-Chloroethyl)ether
Concen: 9.950 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion: 93 Resp: 43585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 80.2 | 60.3 | 100.3 |
| 95 | 33.5 | 12.5 | 52.5 |

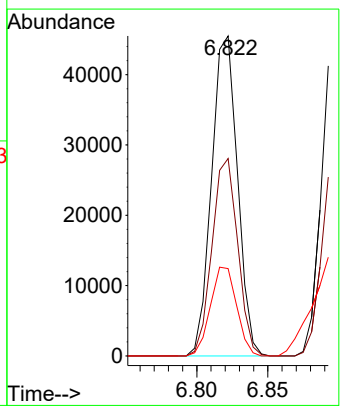


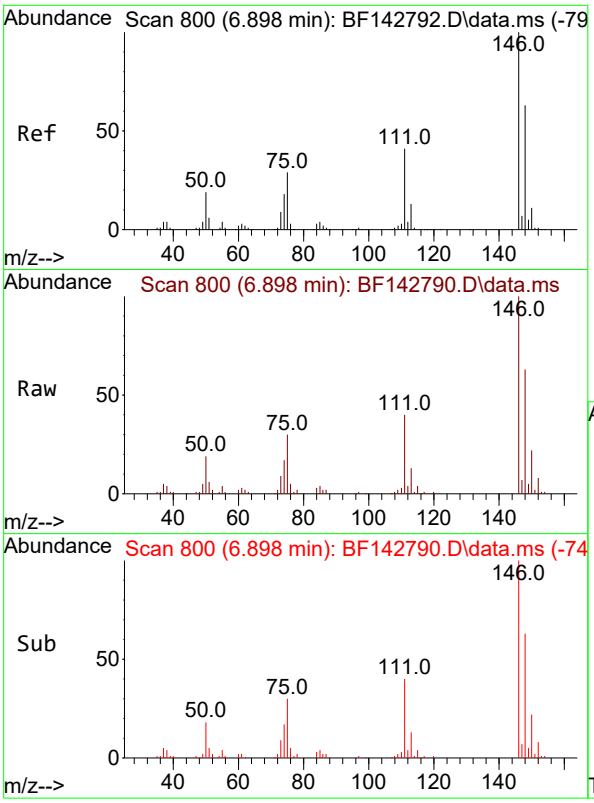




#12
1,3-Dichlorobenzene
Concen: 10.312 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:146 Resp: 57659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 61.7 | 51.1 | 76.7 |
| 75 | 27.3 | 22.7 | 34.1 |



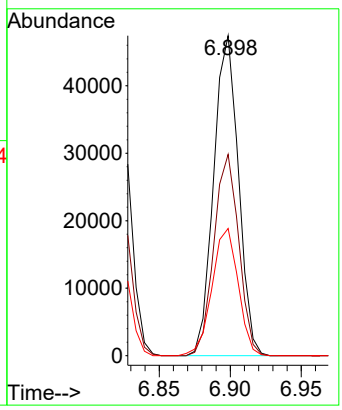


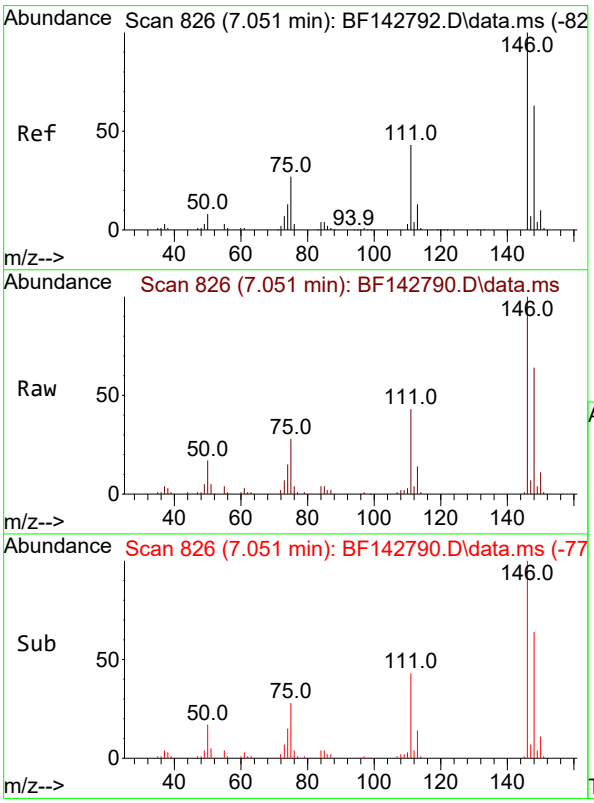

#13
1,4-Dichlorobenzene
Concen: 10.149 ng
RT: 6.898 min Scan# 8(
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:146 Resp: 57522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.9 | 50.2 | 75.2 |
| 111 | 39.8 | 33.2 | 49.8 |

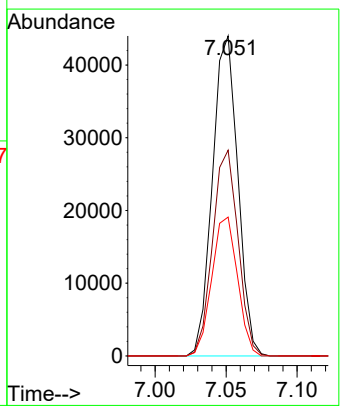


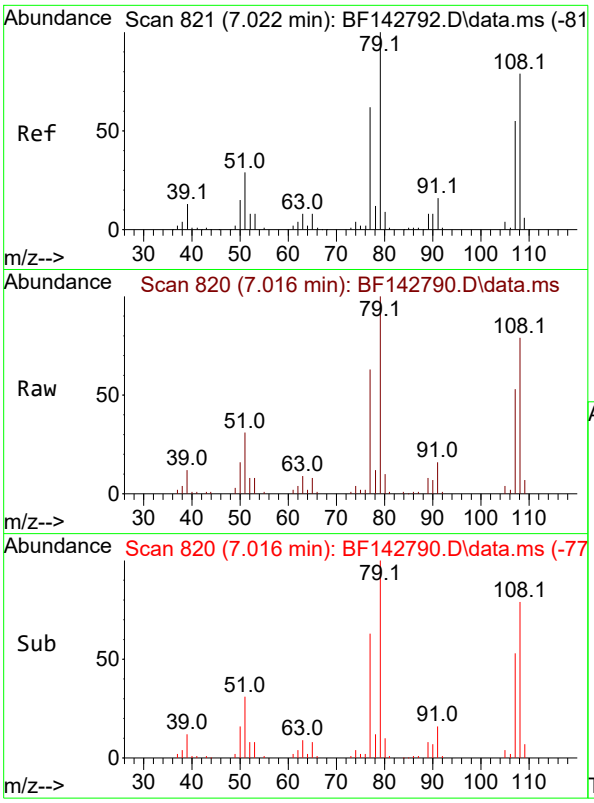




#14
1,2-Dichlorobenzene
Concen: 10.091 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:146 Resp: 54672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 50.4 | 75.6 |
| 111 | 43.4 | 34.1 | 51.1 |



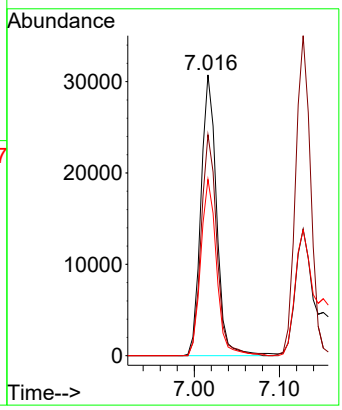


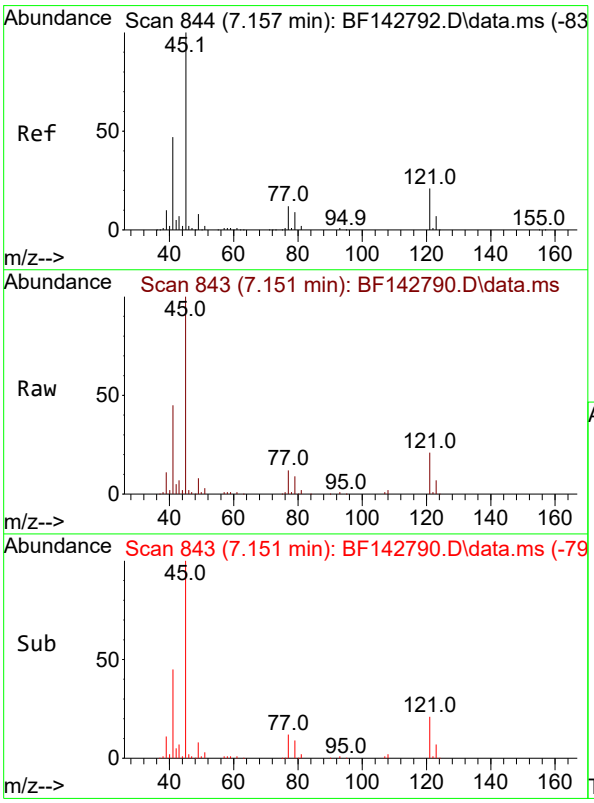

#15
Benzyl Alcohol
Concen: 9.927 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion: 79 Resp: 39348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 78.7 | 63.4 | 95.0 |
| 77 | 62.8 | 49.5 | 74.3 |

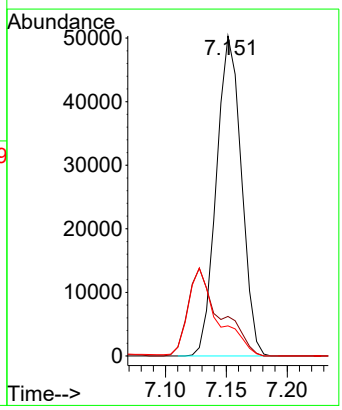


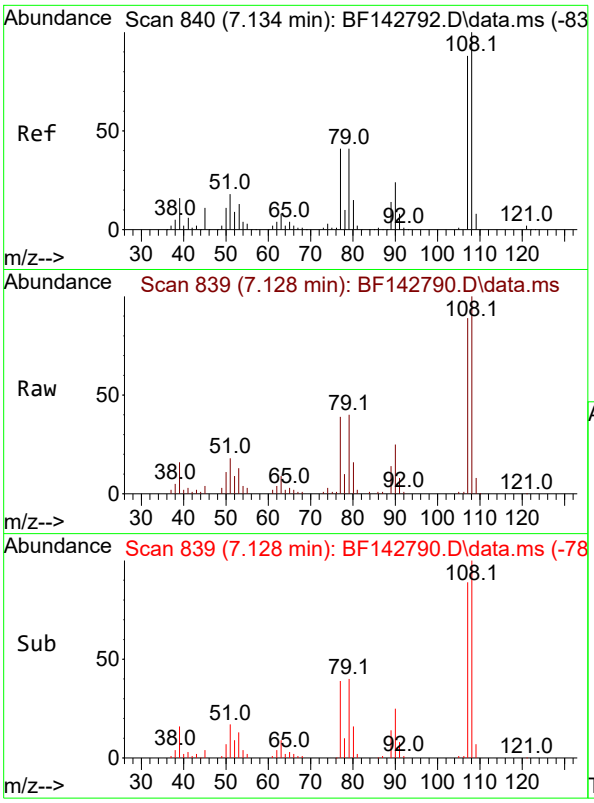




#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.417 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion: 45 Resp: 71897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 12.4 | 0.0 | 32.8 |
| 79 | 9.4 | 0.0 | 29.8 |



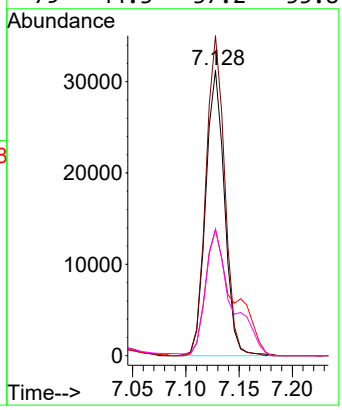


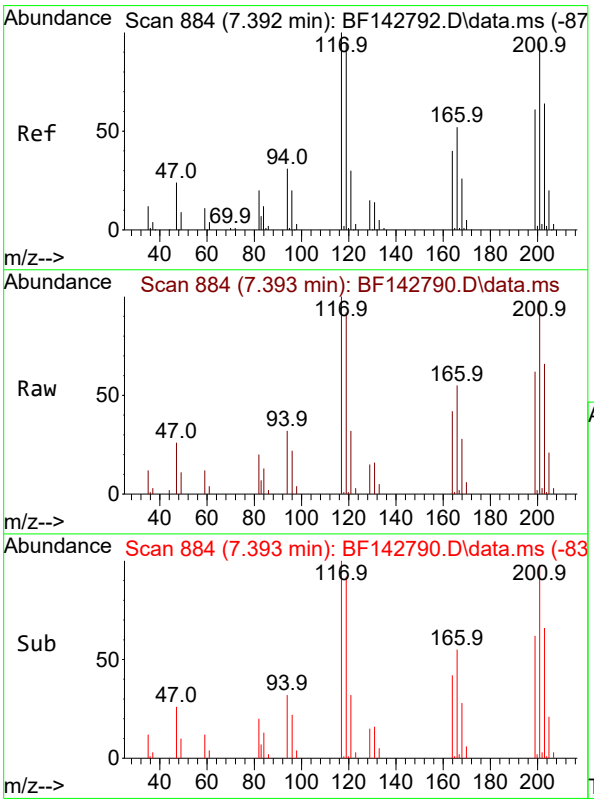

#17
2-Methylphenol
Concen: 10.217 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:107 Resp: 38357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.1 | 90.9 | 136.3 |
| 77 | 44.1 | 37.3 | 55.9 |
| 79 | 44.3 | 37.2 | 55.8 |

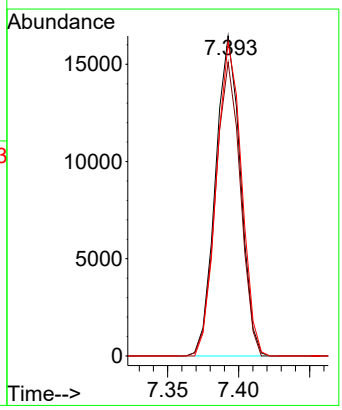


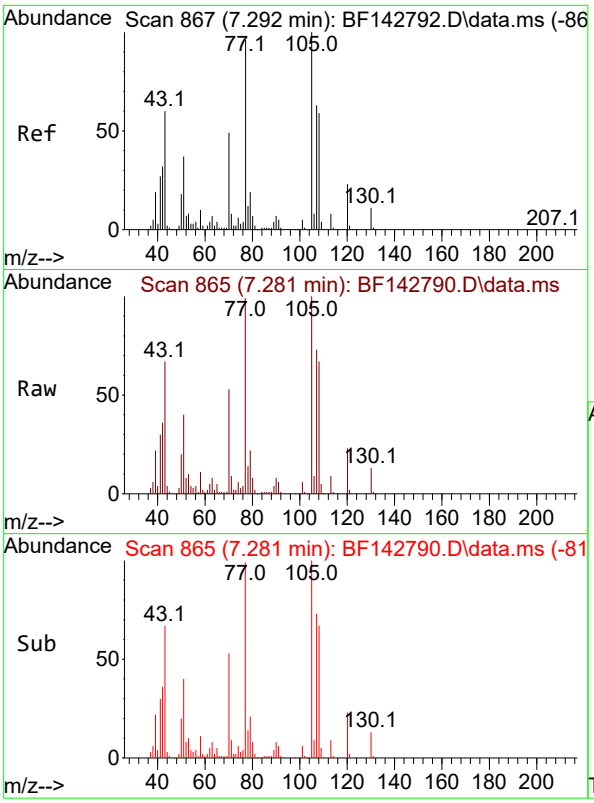




#18
Hexachloroethane
Concen: 9.889 ng
RT: 7.393 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:117 Resp: 20035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 91.8 | 75.4 | 113.0 |
| 201 | 98.0 | 75.9 | 113.9 |



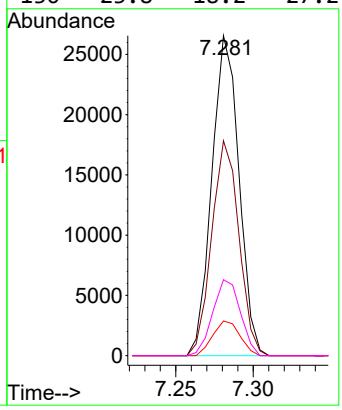


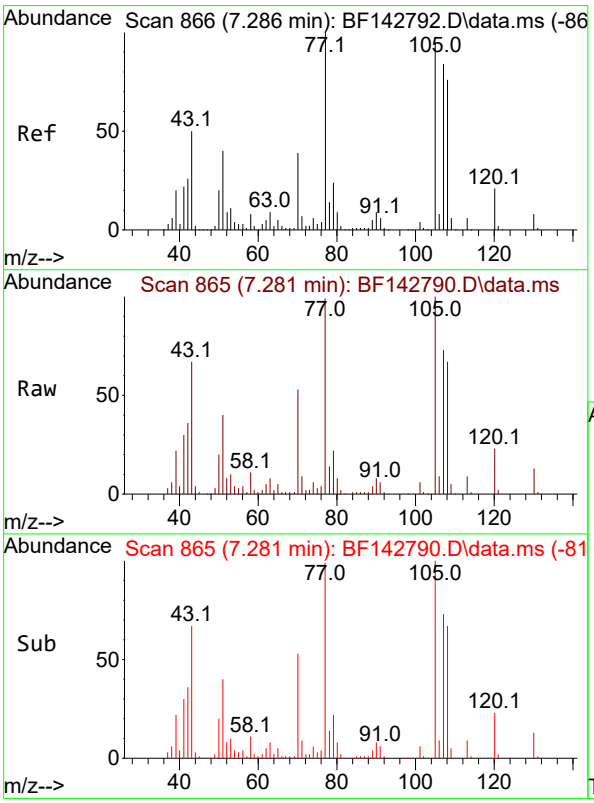

#19
n-Nitroso-di-n-propylamine
Concen: 9.670 ng
RT: 7.281 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion: 70 Resp: 32293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 67.1 | 52.1 | 78.1 |
| 101 | 10.9 | 8.2 | 12.2 |
| 130 | 23.8 | 18.2 | 27.2 |

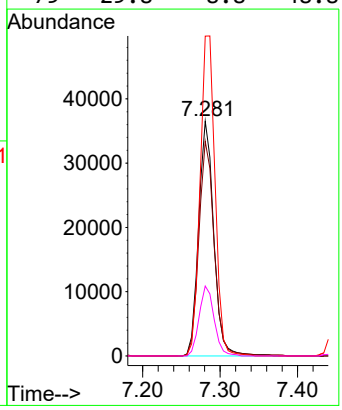


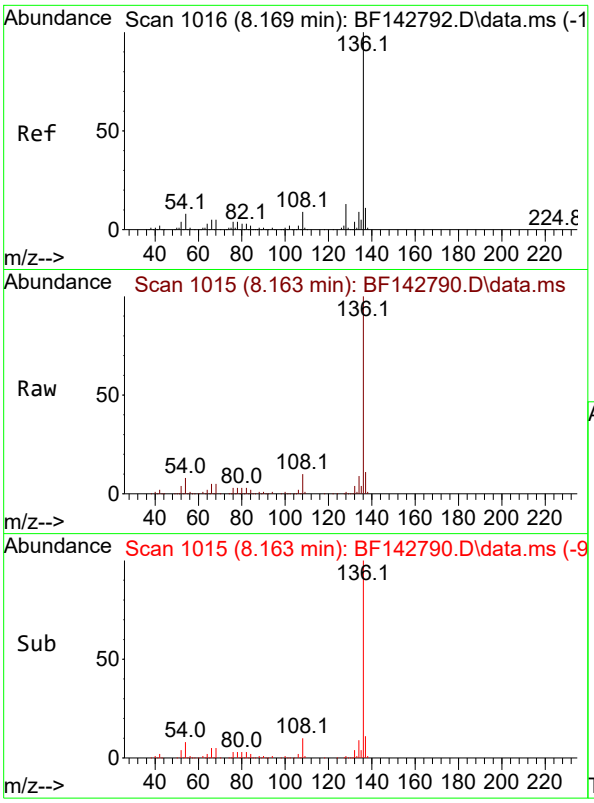




#20
3+4-Methylphenols
Concen: 10.513 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:107 Resp: 49675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.4 | 70.0 | 110.0 |
| 77 | 136.2 | 98.5 | 138.5 |
| 79 | 29.8 | 8.8 | 48.8 |



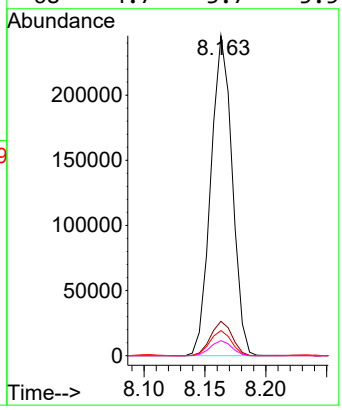


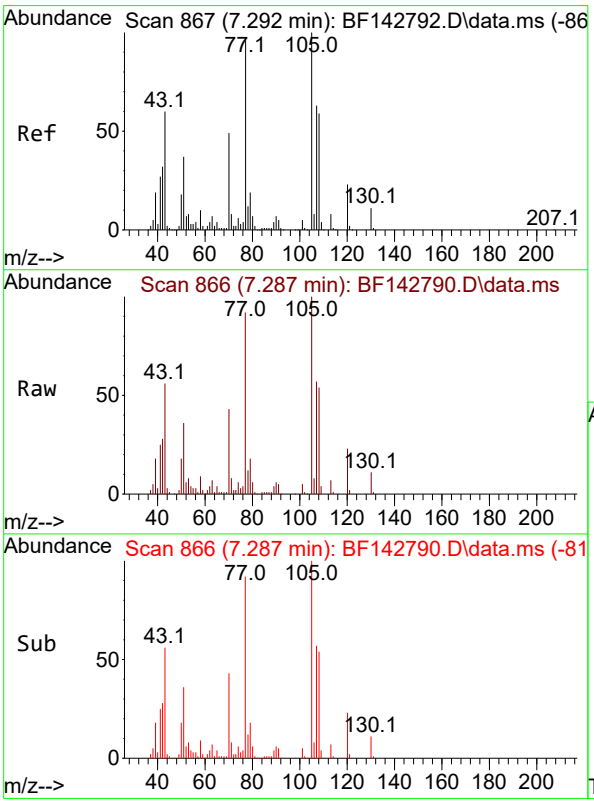

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:136 Resp: 299903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.4 | 12.6 |
| 54 | 7.9 | 6.3 | 9.5 |
| 68 | 4.7 | 3.7 | 5.5 |

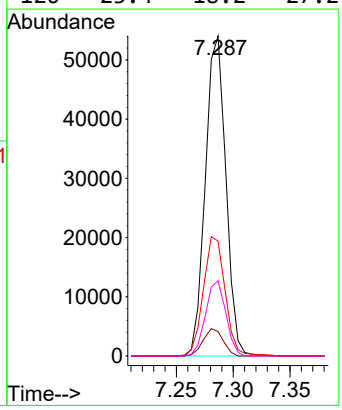


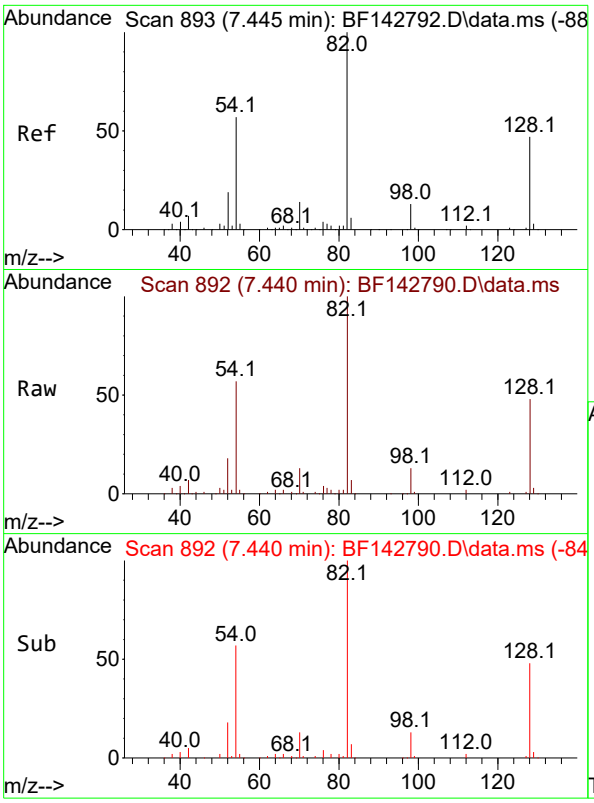




#22
Acetophenone
Concen: 10.197 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:105 Resp: 67666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.7 | 6.5 | 9.7 |
| 51 | 35.9 | 29.8 | 44.8 |
| 120 | 23.4 | 18.2 | 27.2 |



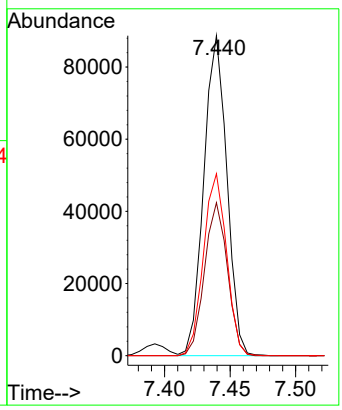


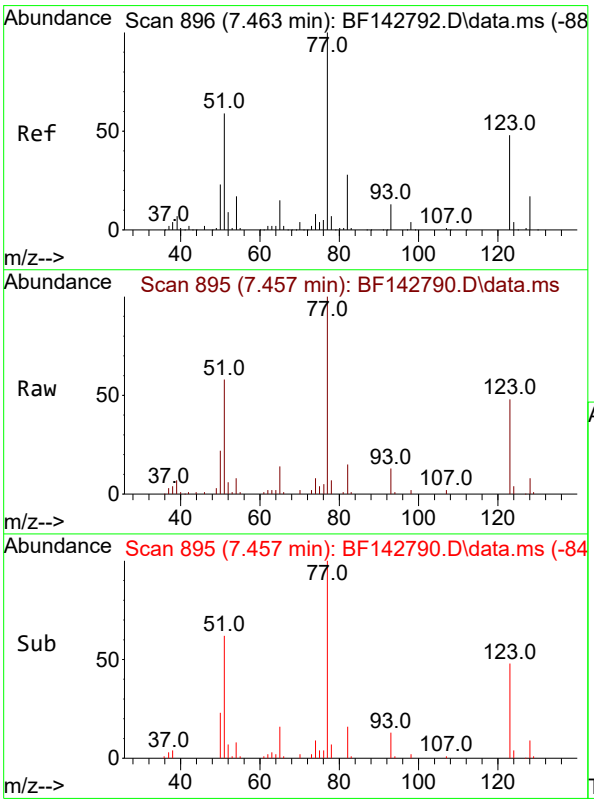

#23
Nitrobenzene-d5
Concen: 19.832 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion: 82 Resp: 108508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.8 | 37.7 | 56.5 |
| 54 | 56.9 | 45.7 | 68.5 |

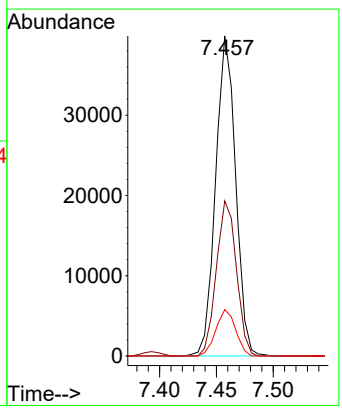


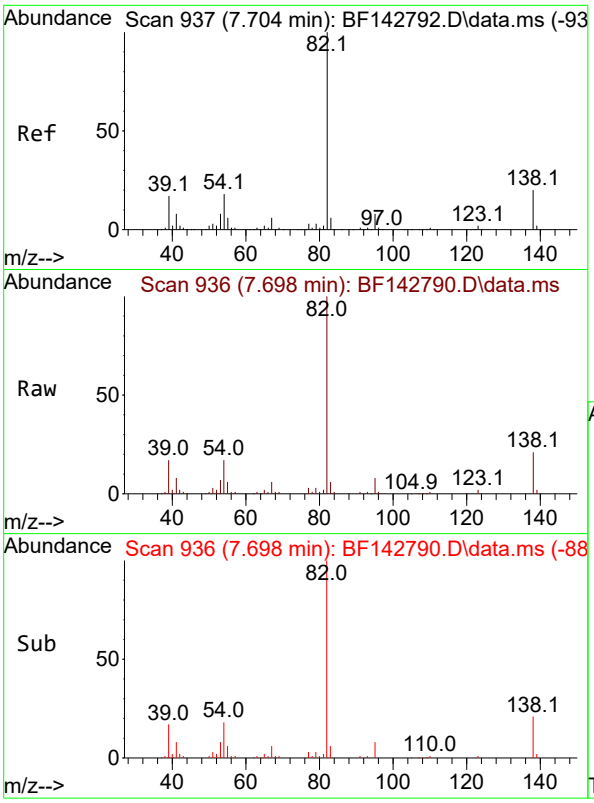




#24
Nitrobenzene
Concen: 10.034 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion: 77 Resp: 48789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 48.5 | 39.2 | 58.8 |
| 65 | 14.5 | 11.6 | 17.4 |



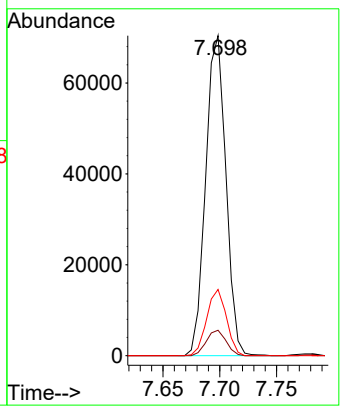


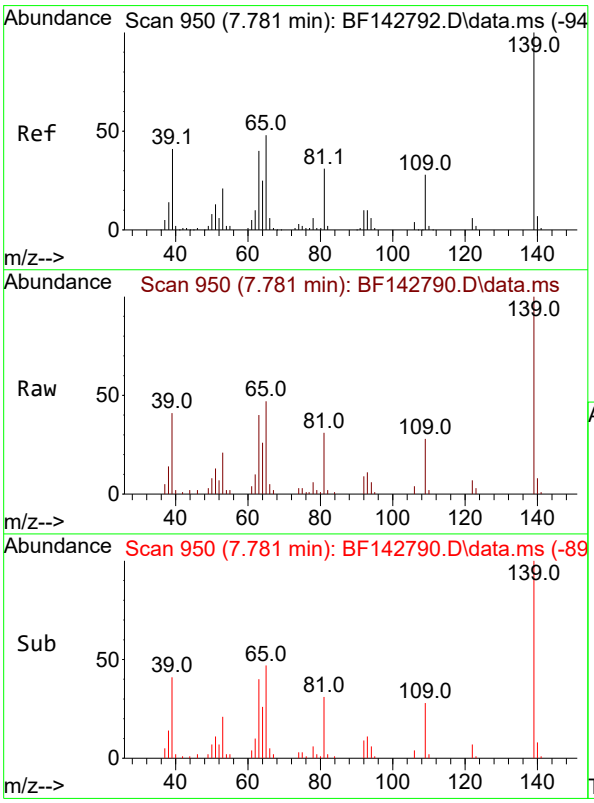

#25
Isophorone
Concen: 9.504 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion: 82 Resp: 87205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.0 | 6.2 | 9.2 |
| 138 | 20.7 | 16.2 | 24.4 |

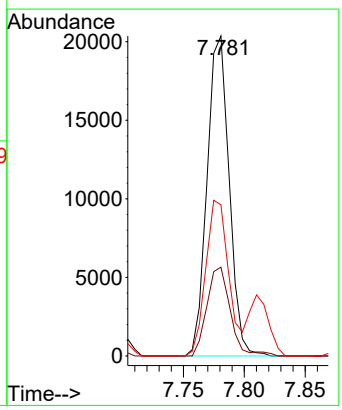


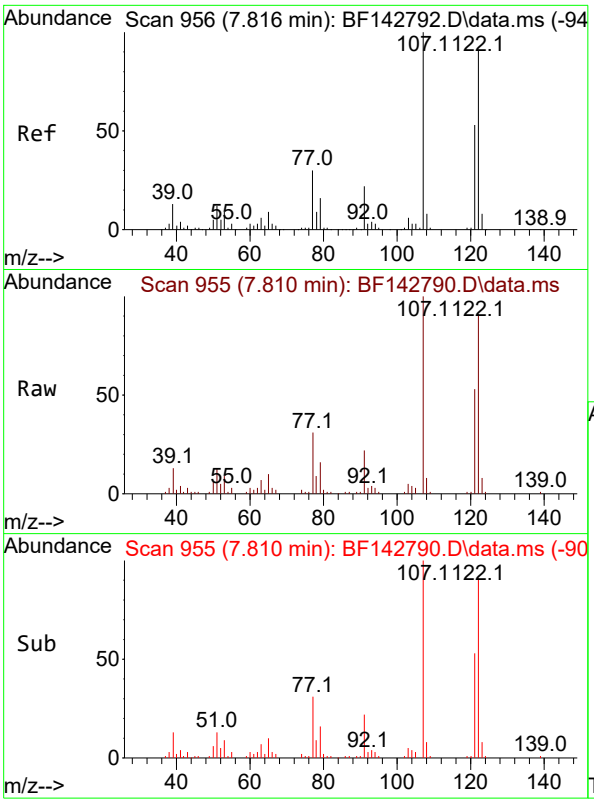




#26
2-Nitrophenol
Concen: 9.498 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:139 Resp: 25734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 27.7 | 22.7 | 34.1 |
| 65 | 47.2 | 38.6 | 58.0 |



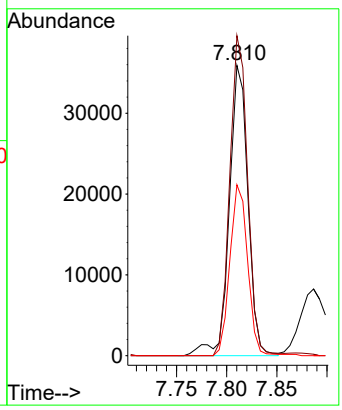


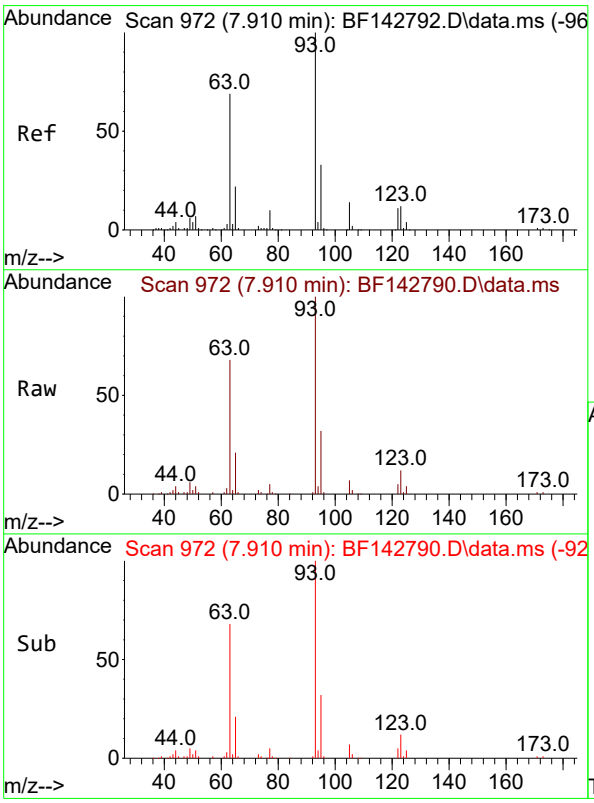

#27
2,4-Dimethylphenol
Concen: 10.071 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:122 Resp: 46454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 110.2 | 88.0 | 132.0 |
| 121 | 58.9 | 46.3 | 69.5 |

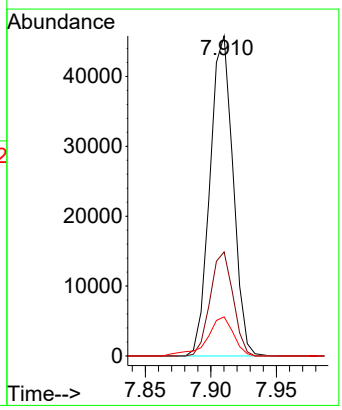


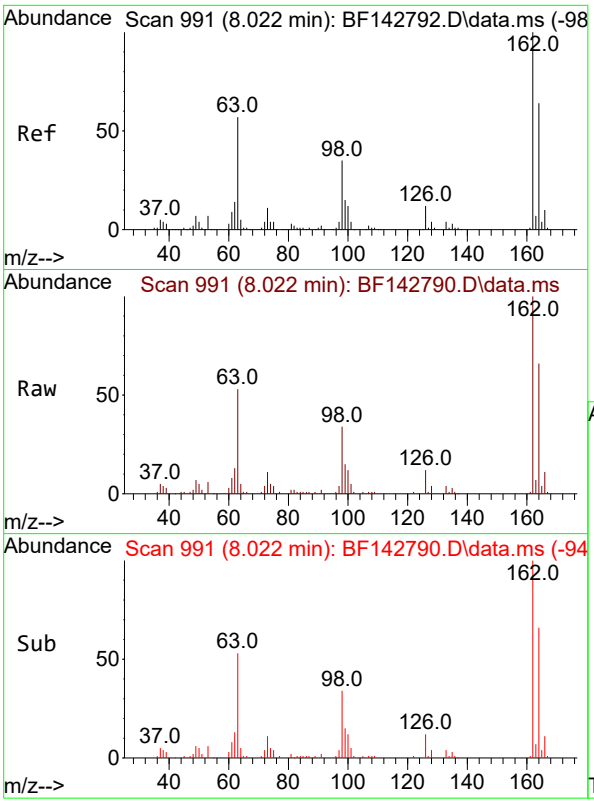




#28
bis(2-Chloroethoxy)methane
Concen: 9.788 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion: 93 Resp: 55907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.5 | 26.2 | 39.2 |
| 123 | 12.2 | 9.9 | 14.9 |



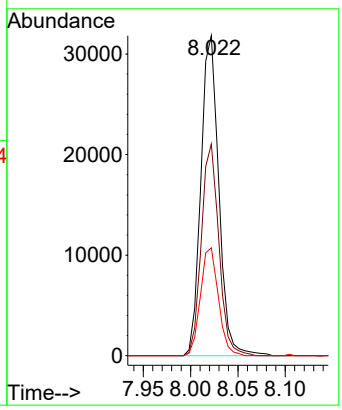


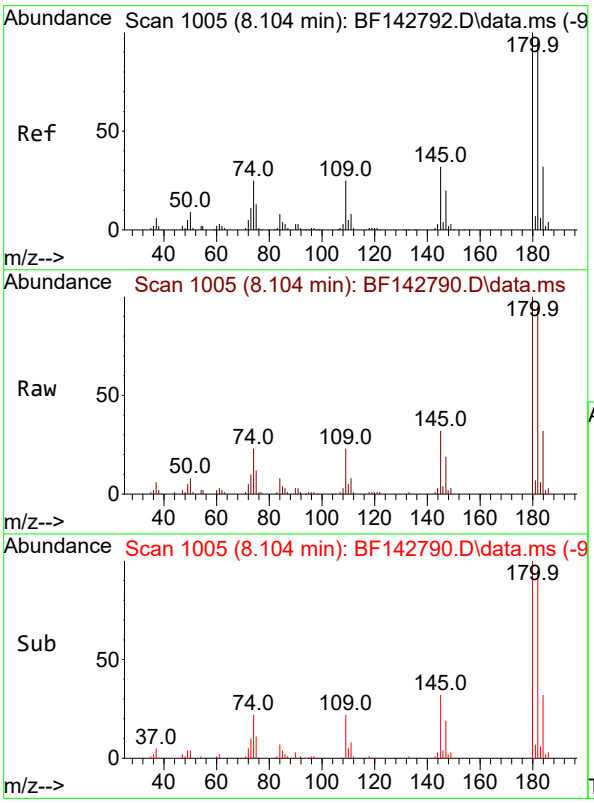

#29
2,4-Dichlorophenol
Concen: 9.861 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:162 Resp: 41925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 66.2 | 44.0 | 84.0 |
| 98 | 33.7 | 15.4 | 55.4 |

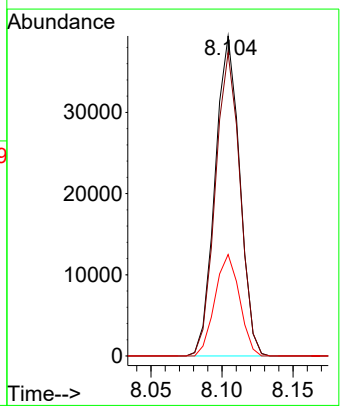


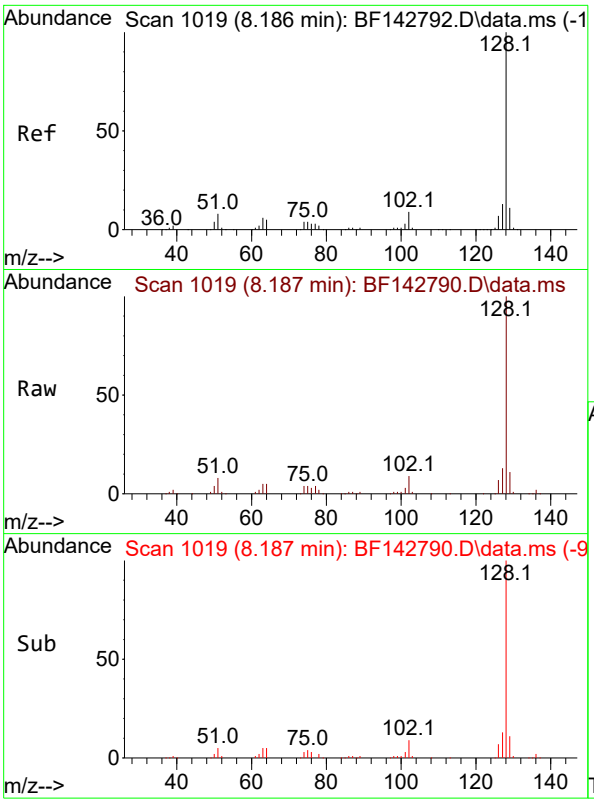




#30
1,2,4-Trichlorobenzene
Concen: 10.097 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:180 Resp: 47419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 76.4 | 114.6 |
| 145 | 31.7 | 25.8 | 38.8 |



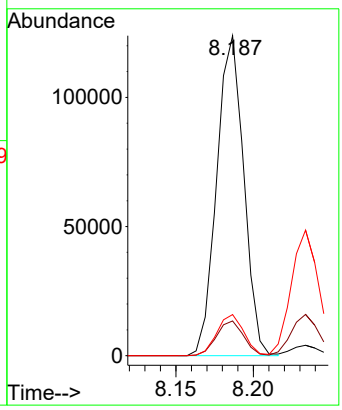


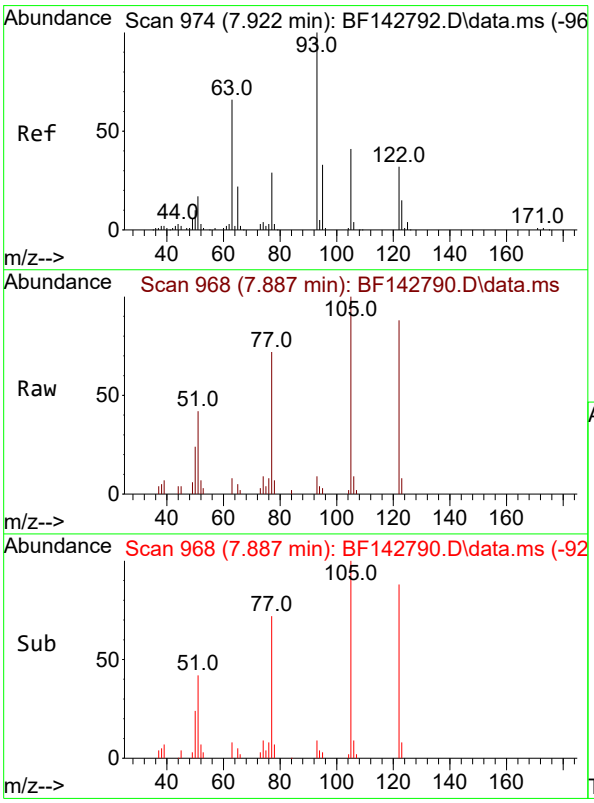

#31
Naphthalene
Concen: 10.188 ng
RT: 8.187 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:128 Resp: 150265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.9 | 13.3 |
| 127 | 12.9 | 10.4 | 15.6 |

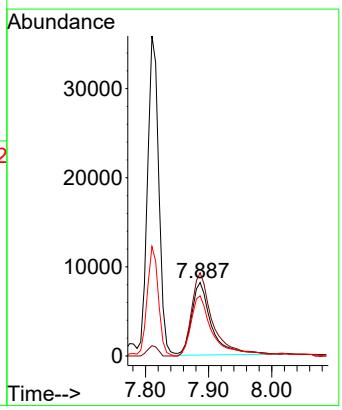


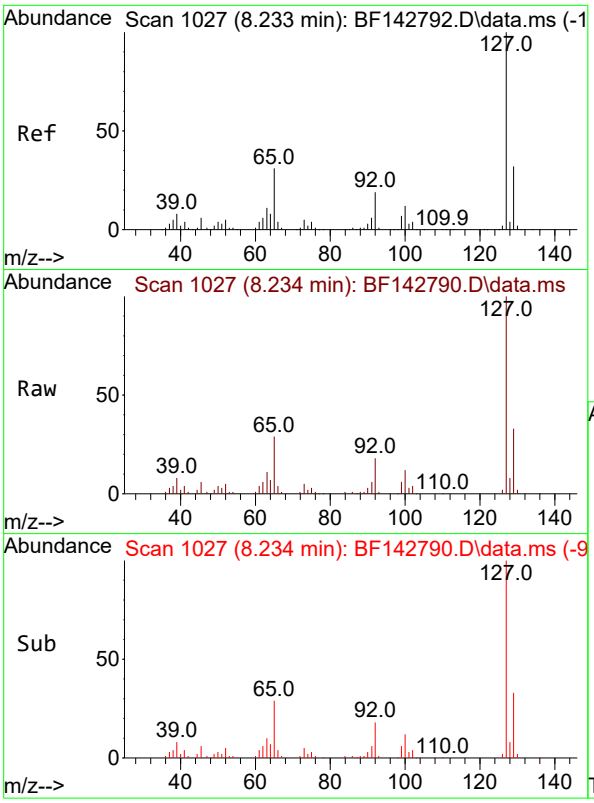




#32
Benzoic acid
Concen: 6.919 ng
RT: 7.887 min Scan# 968
Delta R.T. -0.035 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:122 Resp: 17708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 113.1 | 104.7 | 144.7 |
| 77 | 81.9 | 70.2 | 110.2 |



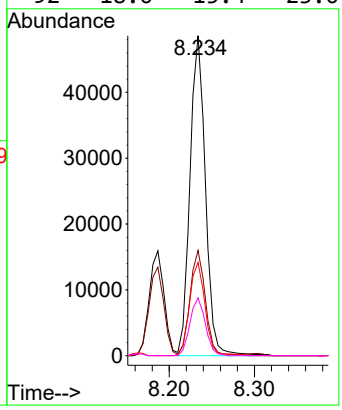


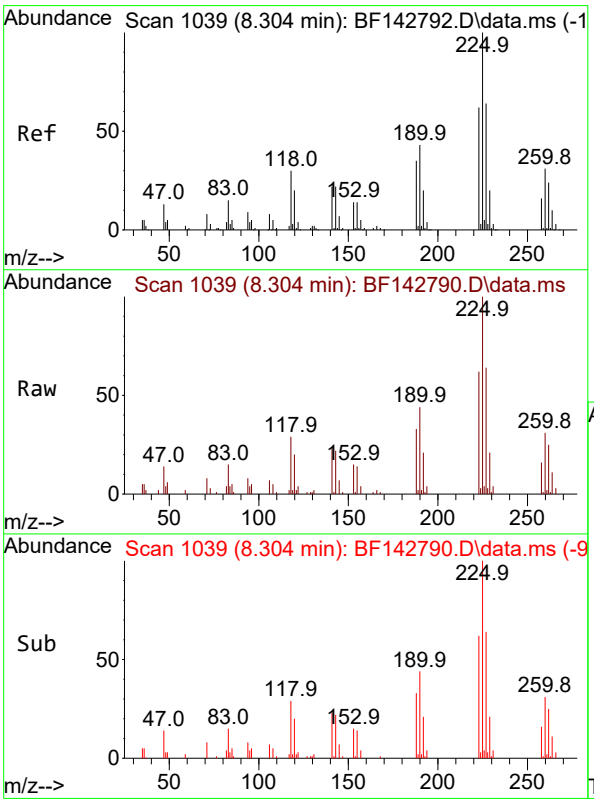

#33
4-Chloroaniline
Concen: 10.352 ng
RT: 8.234 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:127 Resp: 61190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.8 | 25.9 | 38.9 |
| 65 | 29.1 | 24.6 | 36.8 |
| 92 | 18.0 | 15.4 | 23.0 |

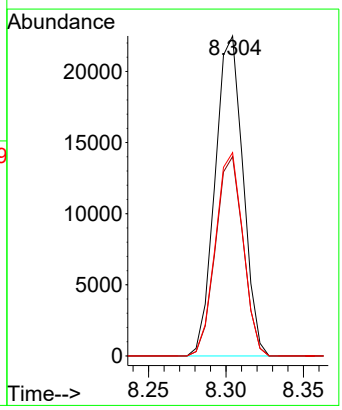


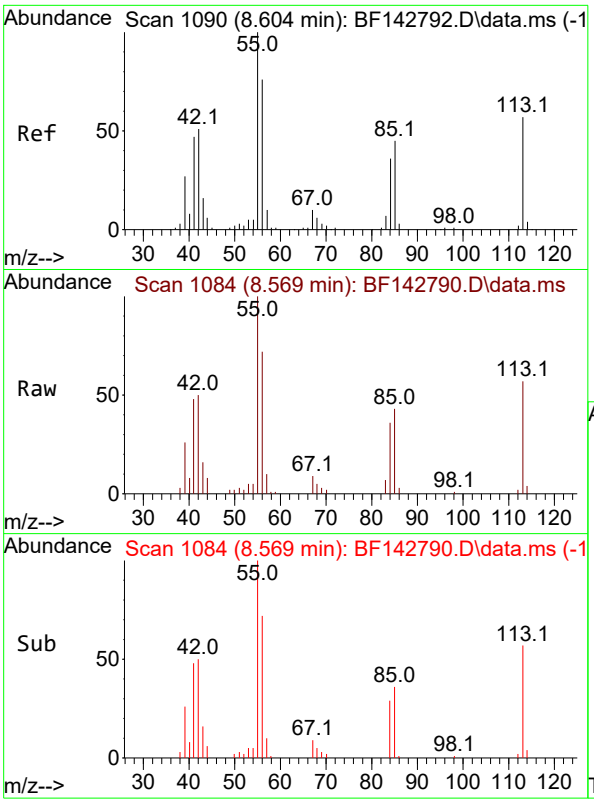




#34
Hexachlorobutadiene
Concen: 9.473 ng
RT: 8.304 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:225 Resp: 28192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.3 | 49.9 | 74.9 |
| 227 | 63.5 | 51.4 | 77.0 |



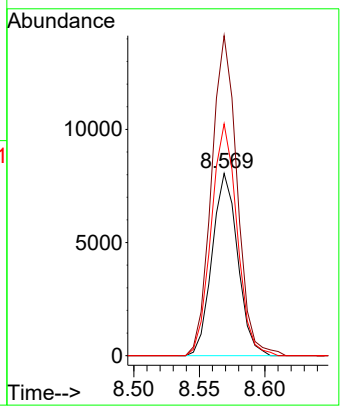


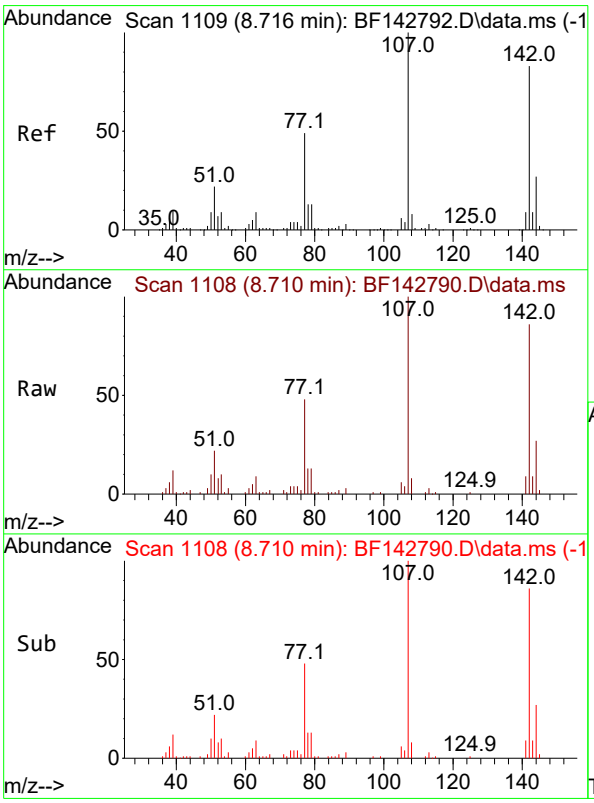

#35
Caprolactam
Concen: 9.557 ng
RT: 8.569 min Scan# 1(
Delta R.T. -0.035 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:113 Resp: 10933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 175.6 | 154.4 | 194.4 |
| 56 | 127.2 | 112.1 | 152.1 |

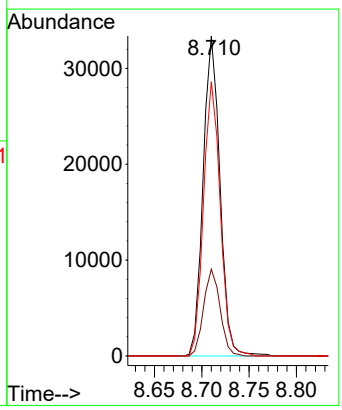


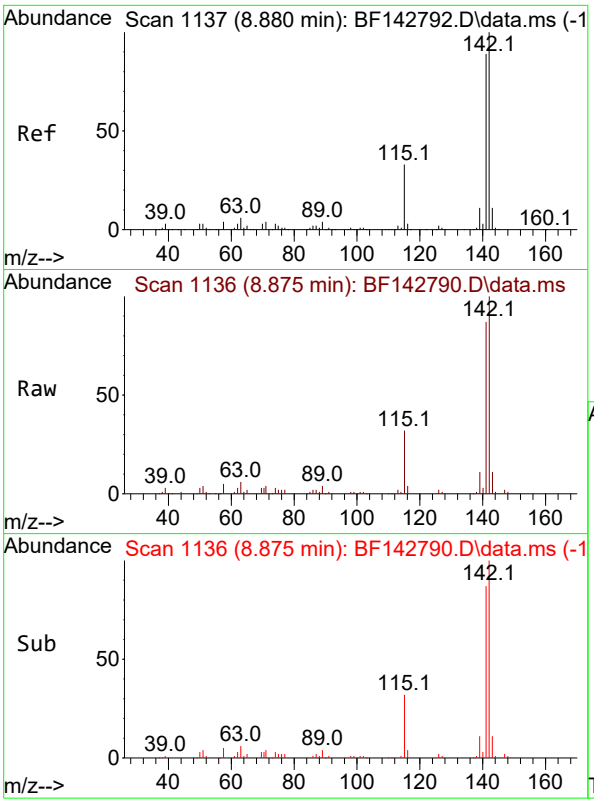




#36
4-Chloro-3-methylphenol
Concen: 9.382 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:107 Resp: 41204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 27.1 | 21.3 | 31.9 |
| 142 | 85.7 | 66.6 | 100.0 |



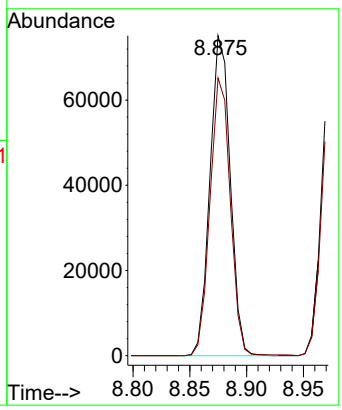


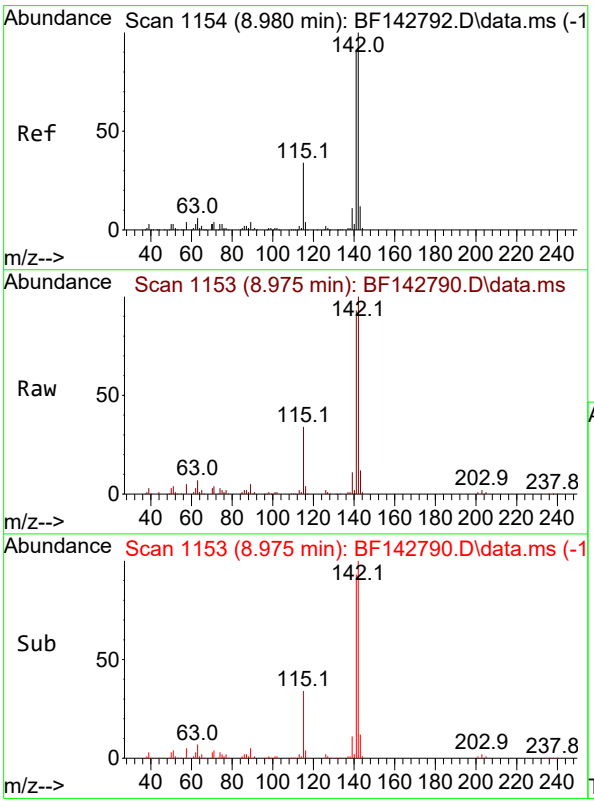

#37
2-Methylnaphthalene
Concen: 10.003 ng
RT: 8.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:142 Resp: 93078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.8 | 70.9 | 106.3 |

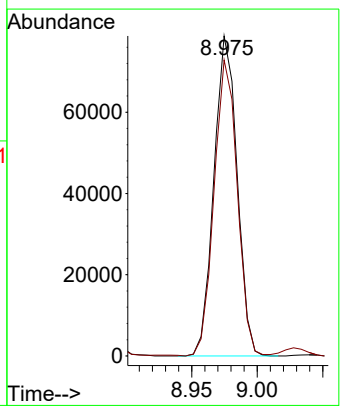


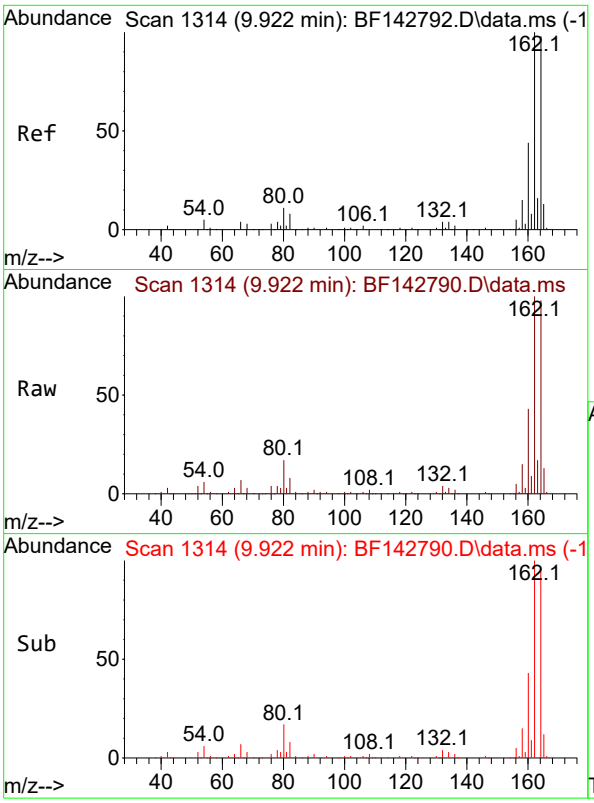




#38
1-Methylnaphthalene
Concen: 10.007 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:142 Resp: 96673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.5 | 73.0 | 109.4 |



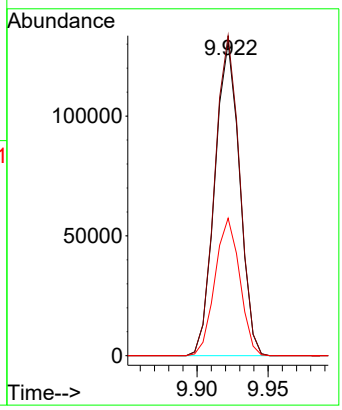


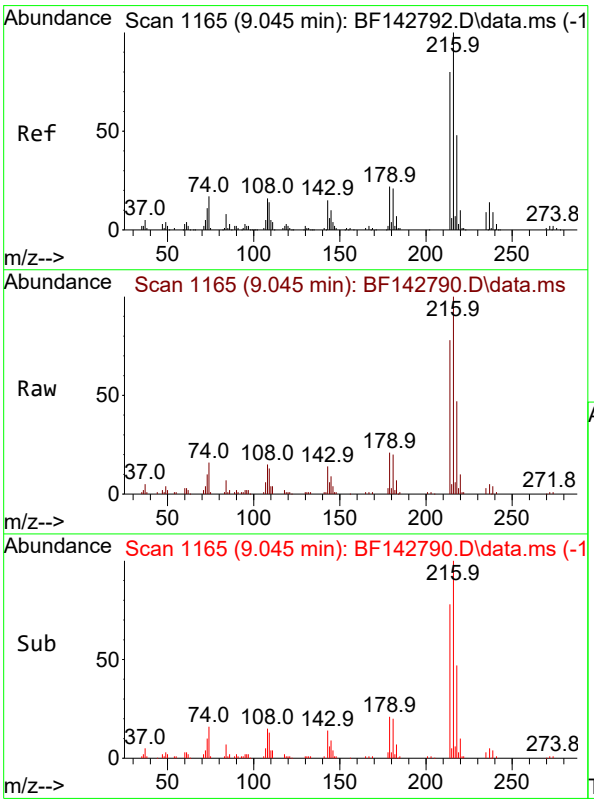

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:164 Resp: 158336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.2 | 81.8 | 122.8 |
| 160 | 43.9 | 36.0 | 54.0 |

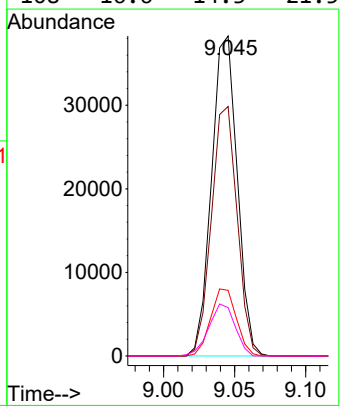


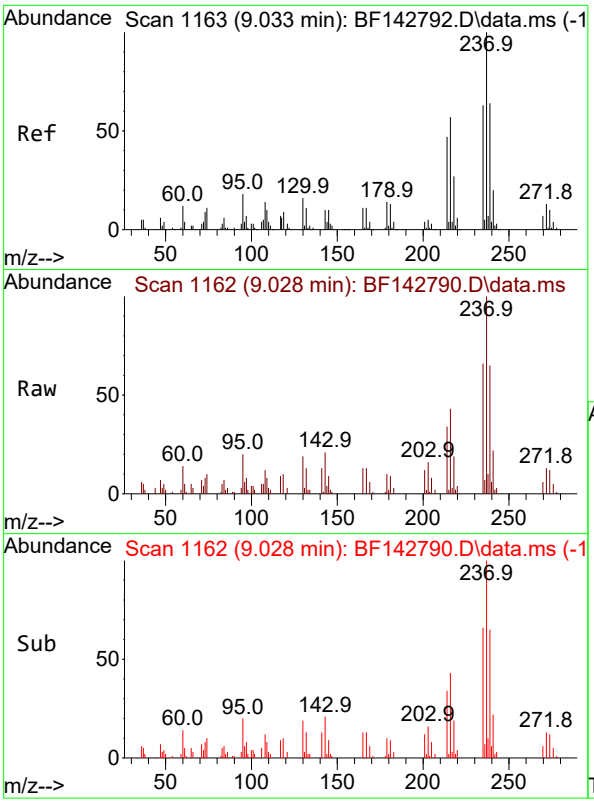




#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.540 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:216 Resp: 48175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 77.9 | 63.7 | 95.5 |
| 179 | 21.0 | 17.6 | 26.4 |
| 108 | 16.6 | 14.3 | 21.5 |



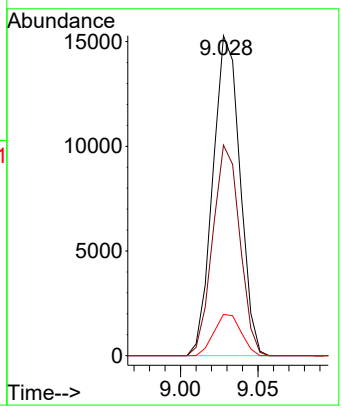


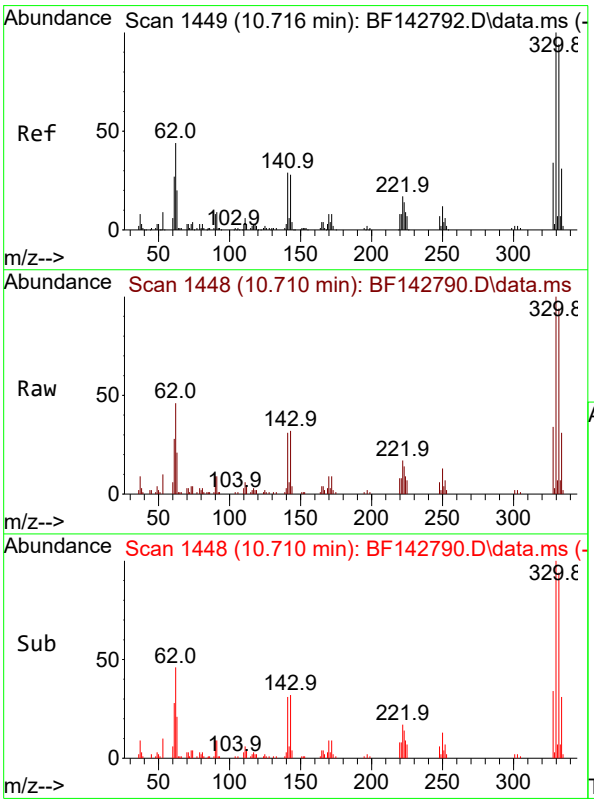

#41
Hexachlorocyclopentadiene
Concen: 6.436 ng
RT: 9.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:237 Resp: 18602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 65.8 | 43.4 | 83.4 |
| 272 | 12.9 | 0.0 | 32.7 |

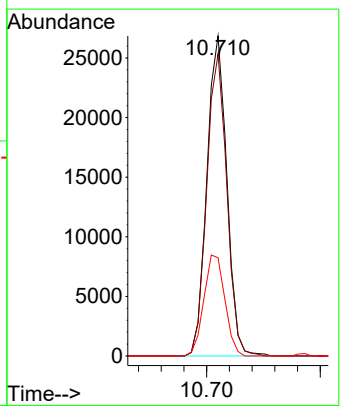


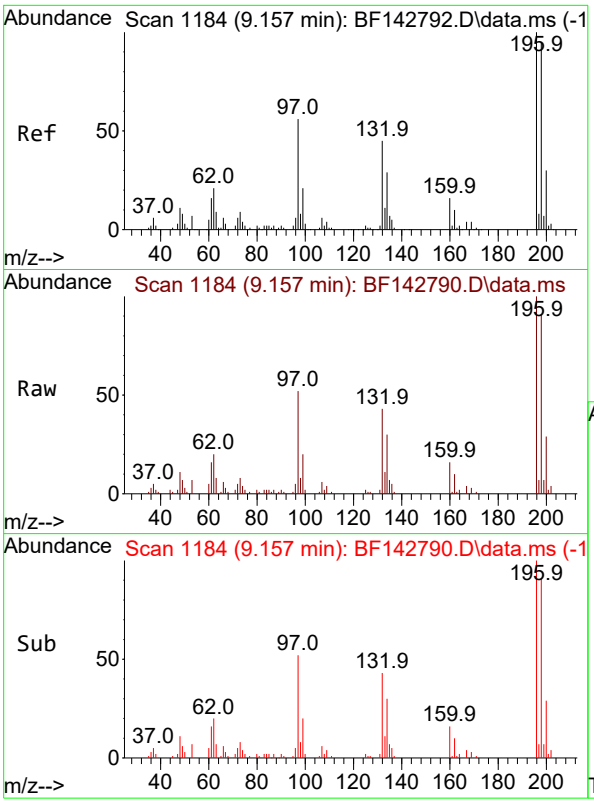




#42
2,4,6-Tribromophenol
Concen: 19.042 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:330 Resp: 32767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.6 | 75.0 | 112.6 |
| 141 | 33.1 | 25.3 | 37.9 |



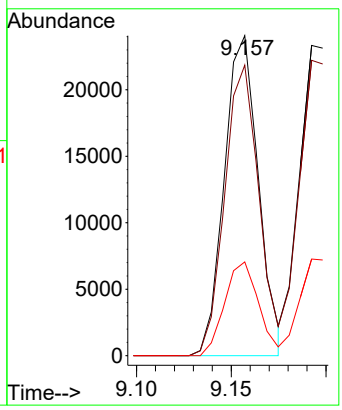


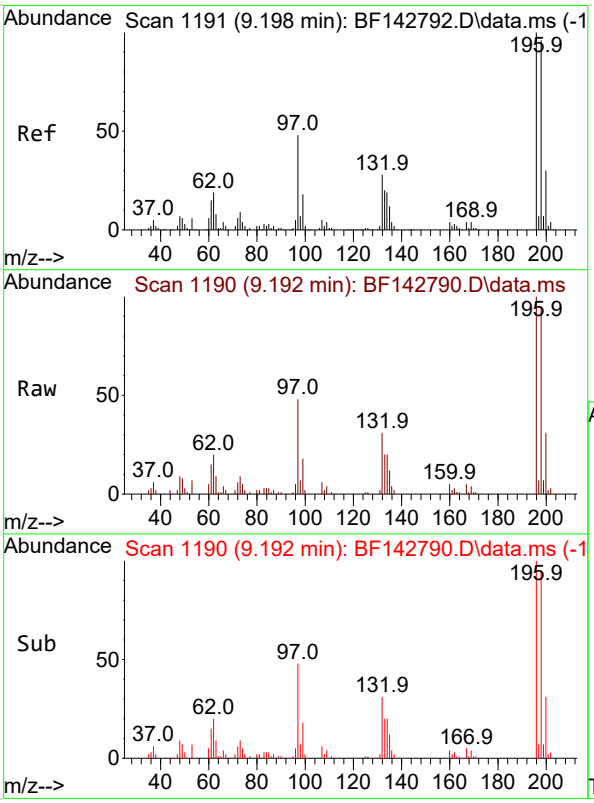

#43
2,4,6-Trichlorophenol
Concen: 10.182 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:196 Resp: 30118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 90.8 | 76.2 | 114.2 |
| 200 | 29.3 | 24.1 | 36.1 |

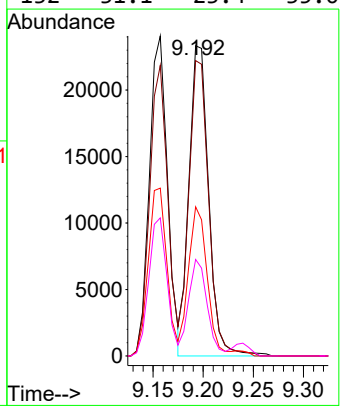


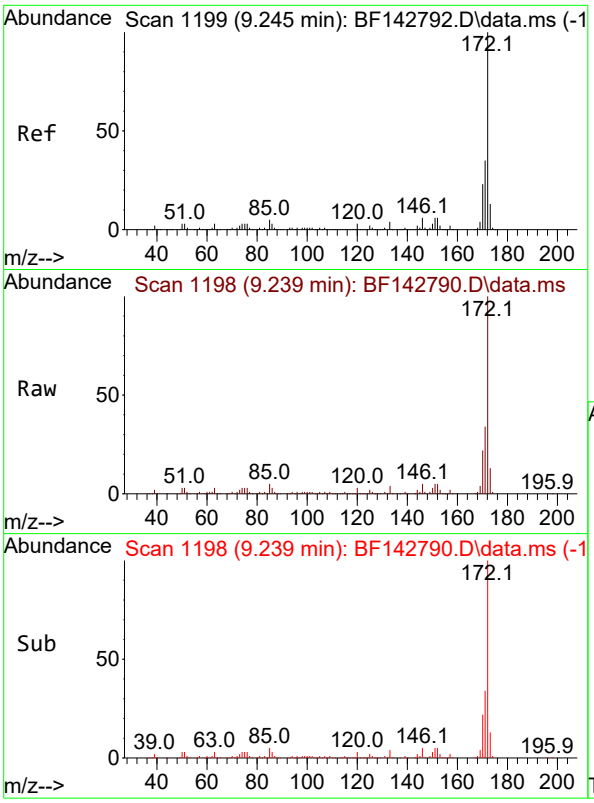




#44
2,4,5-Trichlorophenol
Concen: 9.987 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:196 Resp: 31900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.2 | 76.6 | 115.0 |
| 97 | 48.1 | 38.2 | 57.2 |
| 132 | 31.1 | 23.4 | 35.0 |



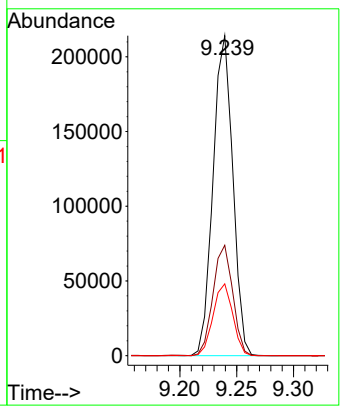


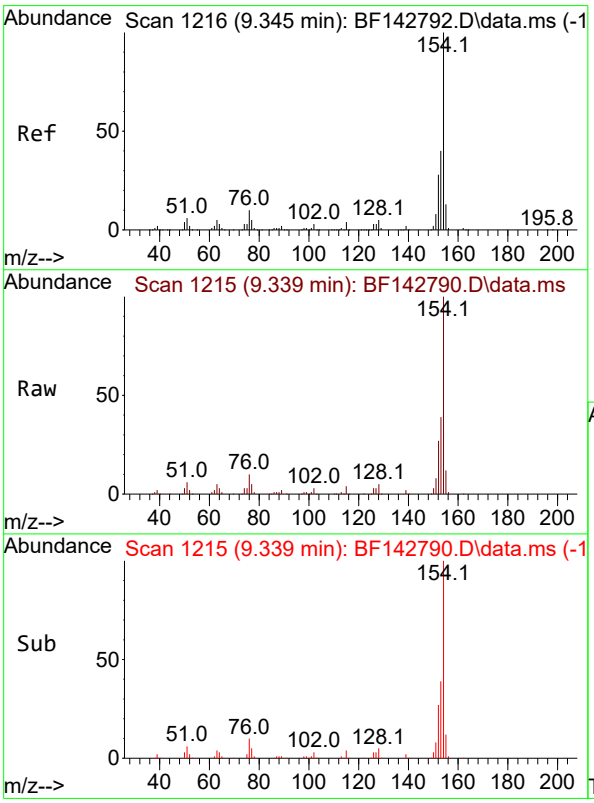

#45
2-Fluorobiphenyl
Concen: 21.765 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:172 Resp: 259052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.5 | 28.2 | 42.4 |
| 170 | 22.5 | 18.5 | 27.7 |

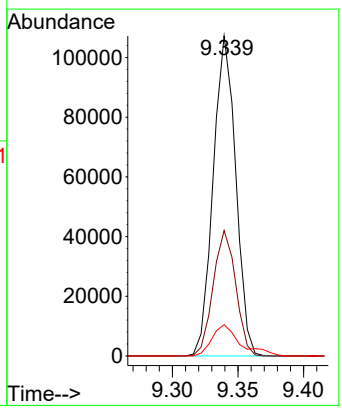


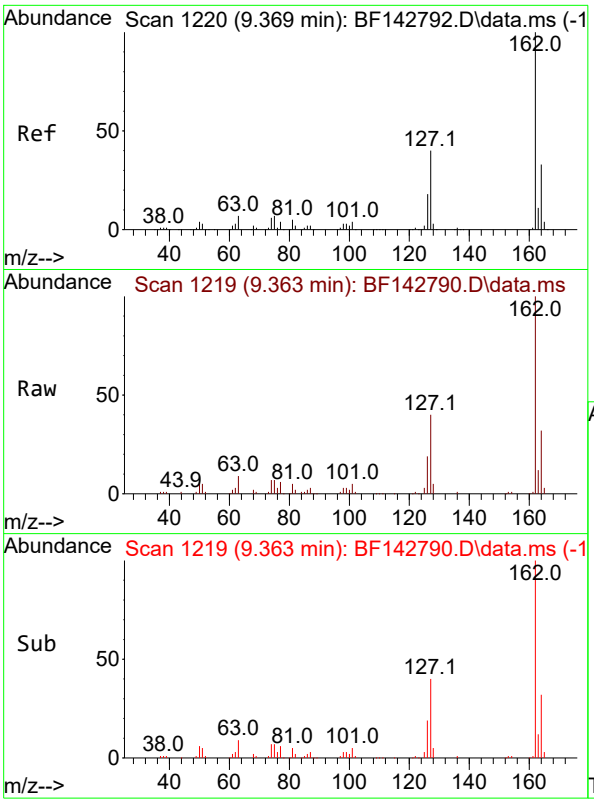




#46
1,1'-Biphenyl
Concen: 10.404 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:154 Resp: 127911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.2 | 20.3 | 60.3 |
| 76 | 9.8 | 0.0 | 30.3 |



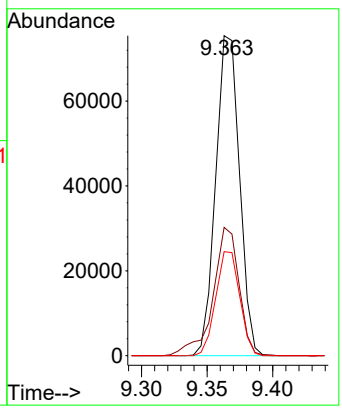


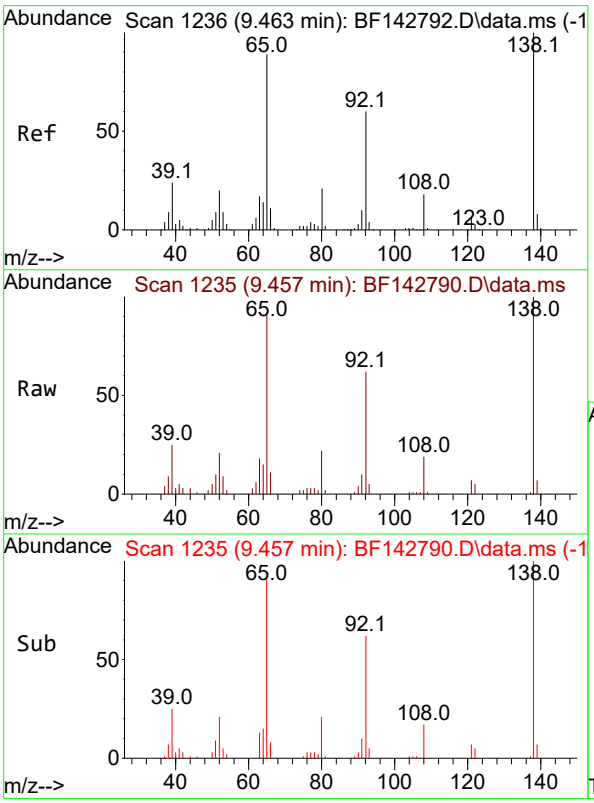

#47
2-Chloronaphthalene
Concen: 10.493 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:162 Resp: 95194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 40.1 | 32.2 | 48.2 |
| 164 | 32.5 | 26.1 | 39.1 |

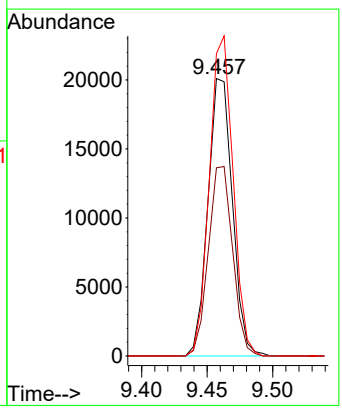


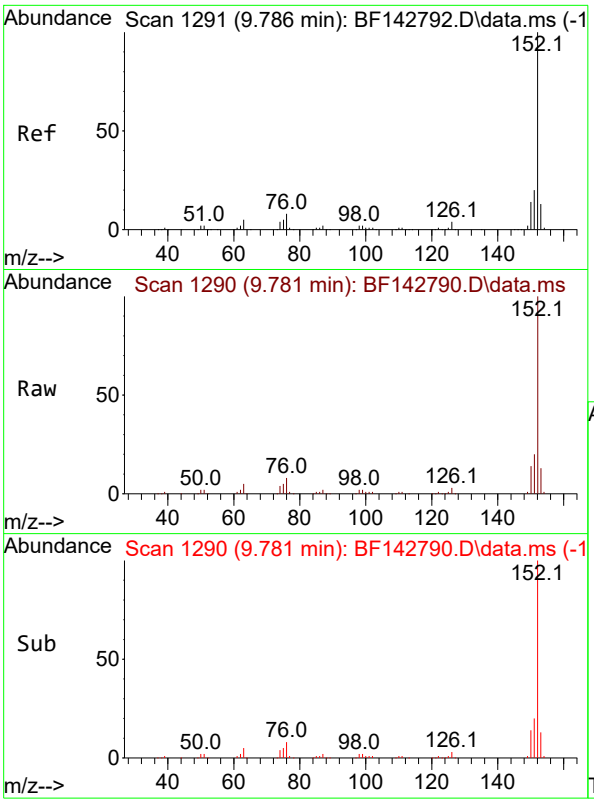




#48
2-Nitroaniline
Concen: 10.117 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion: 65 Resp: 26075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 67.8 | 53.8 | 80.6 |
| 138 | 109.0 | 89.6 | 134.4 |



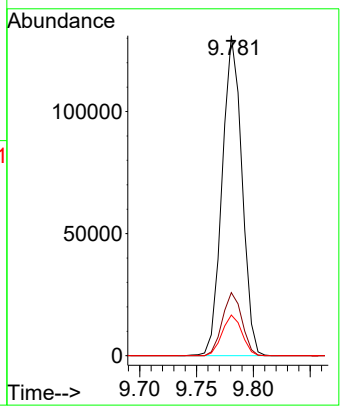


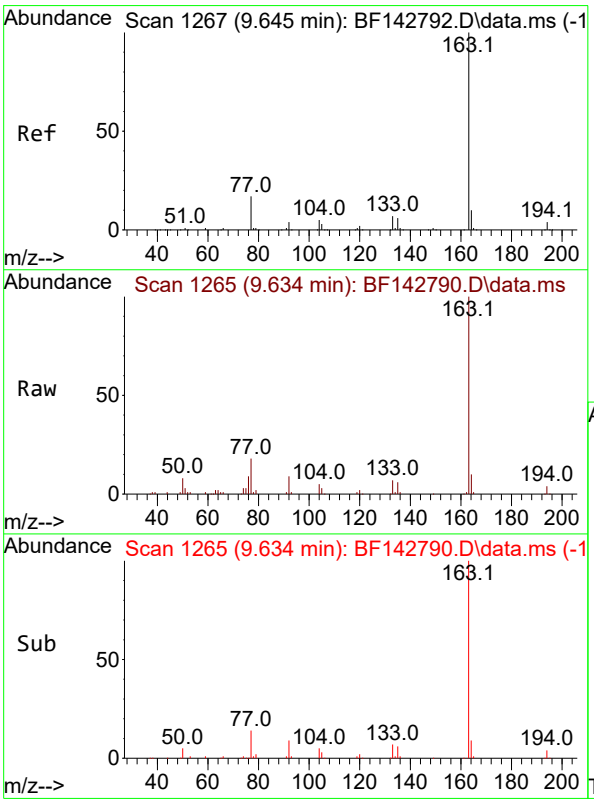

#49
Acenaphthylene
Concen: 10.415 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:152 Resp: 158842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.7 | 16.1 | 24.1 |
| 153 | 12.7 | 10.4 | 15.6 |

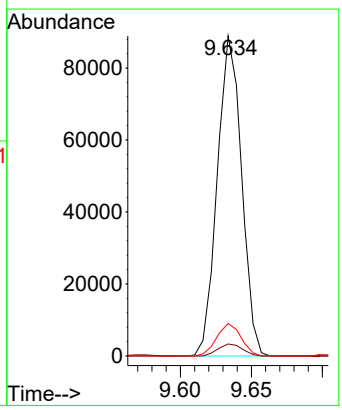


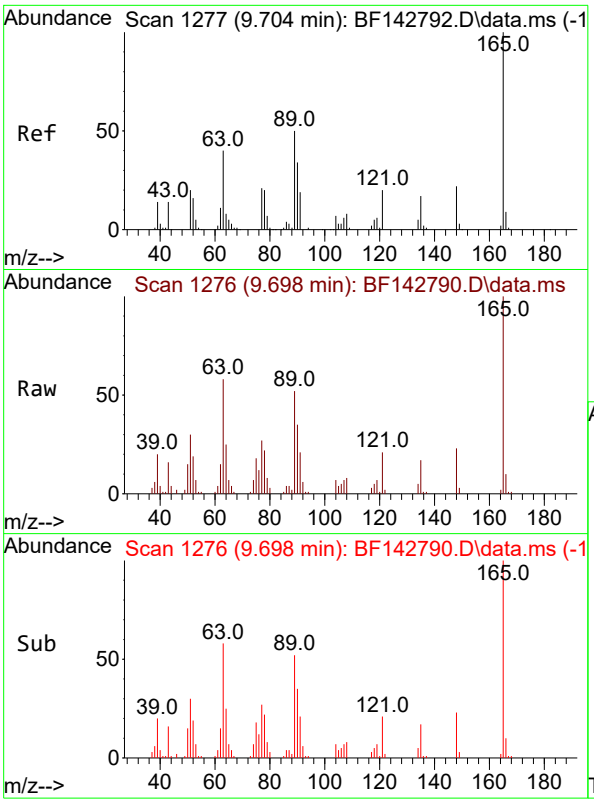




#50
Dimethylphthalate
Concen: 10.058 ng
RT: 9.634 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:163 Resp: 105636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.3 | 4.9 |
| 164 | 10.1 | 8.0 | 12.0 |



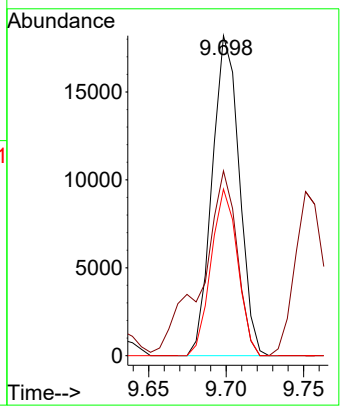


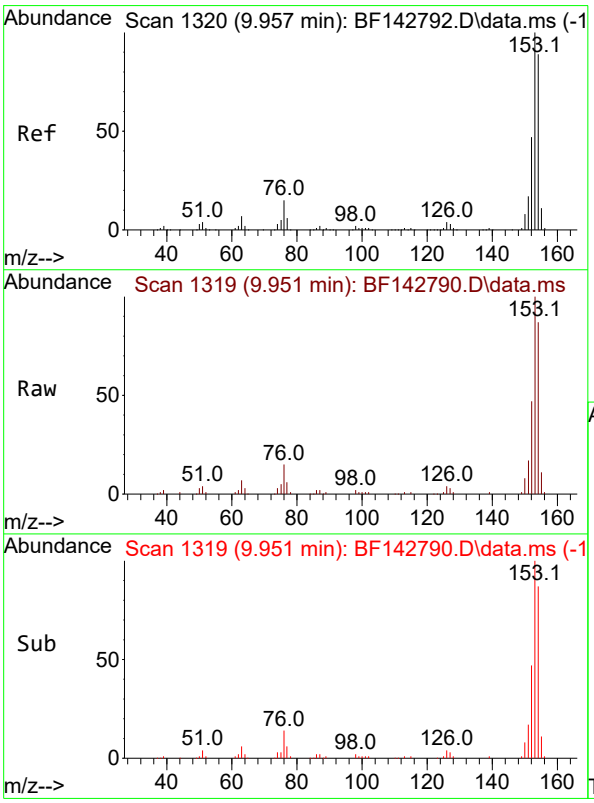

#51
2,6-Dinitrotoluene
Concen: 9.714 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:165 Resp: 22116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 57.7 | 44.2 | 66.4 |
| 89 | 52.1 | 39.8 | 59.8 |

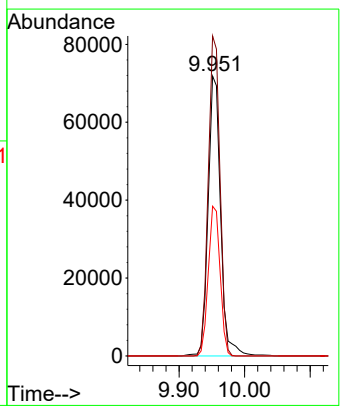


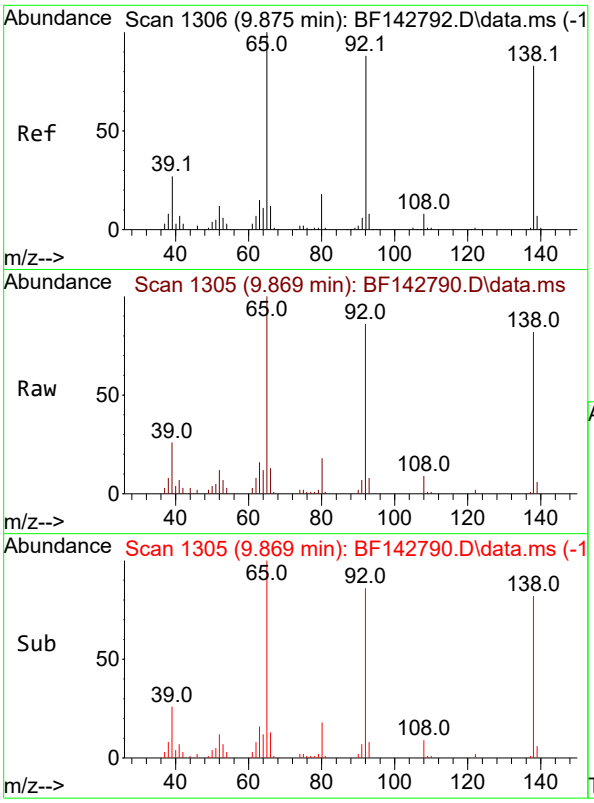




#52
Acenaphthene
Concen: 10.062 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:154 Resp: 94961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.4 | 90.0 | 135.0 |
| 152 | 53.5 | 41.9 | 62.9 |



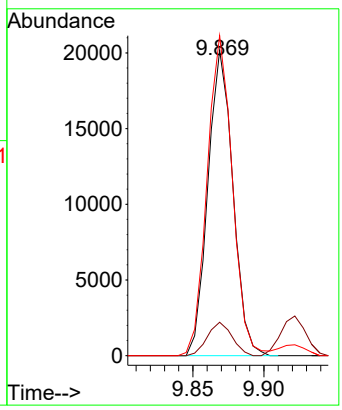


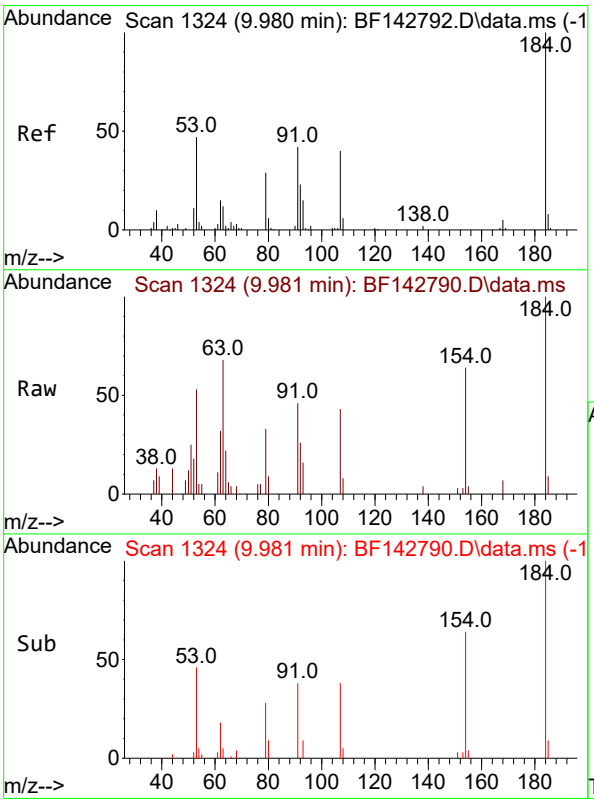

#53
3-Nitroaniline
Concen: 9.968 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:138 Resp: 24651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.9 | 8.1 | 12.1 |
| 92 | 104.8 | 85.1 | 127.7 |

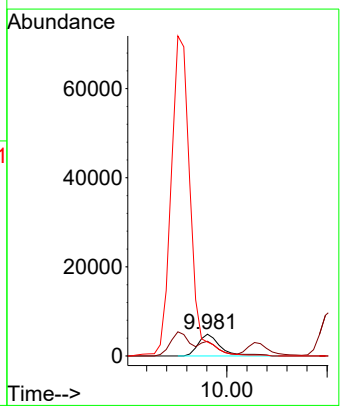


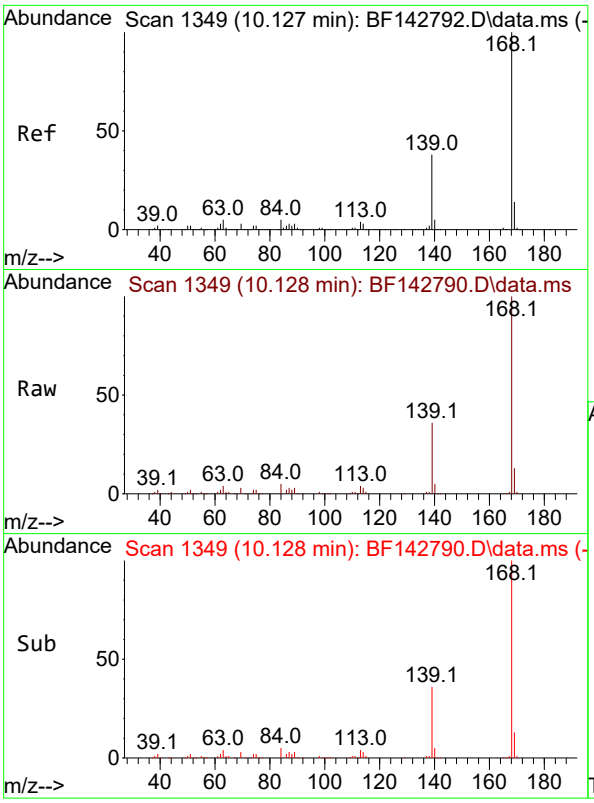




#54
2,4-Dinitrophenol
Concen: 6.104 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:184 Resp: 7521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 67.7 | 50.6 | 75.8 |
| 154 | 64.1 | 51.8 | 77.8 |



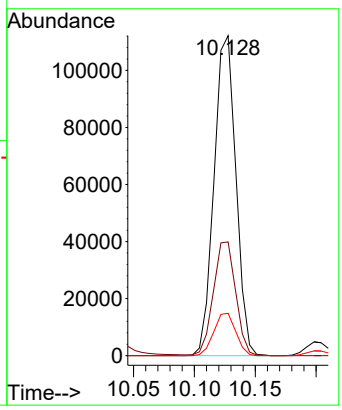


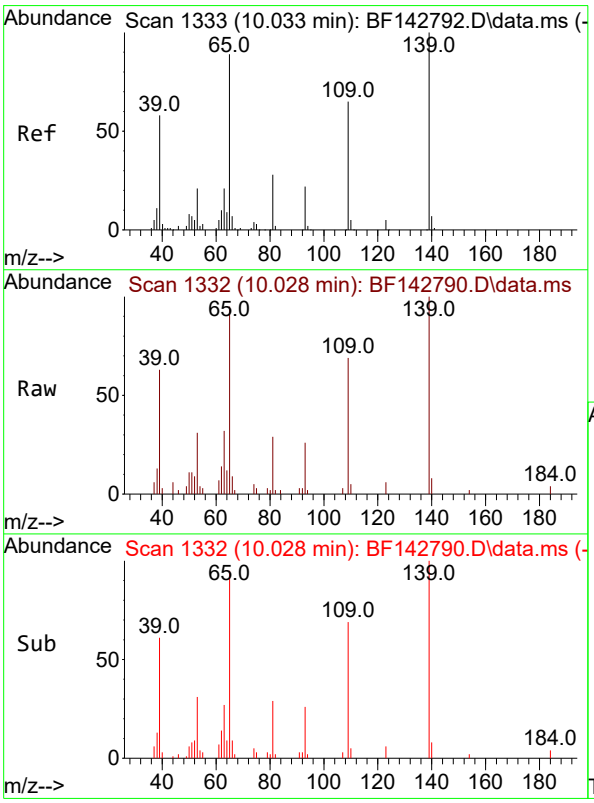

#55
Dibenzofuran
Concen: 10.416 ng
RT: 10.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:168 Resp: 140256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 35.6 | 30.2 | 45.4 |
| 169 | 13.3 | 10.8 | 16.2 |

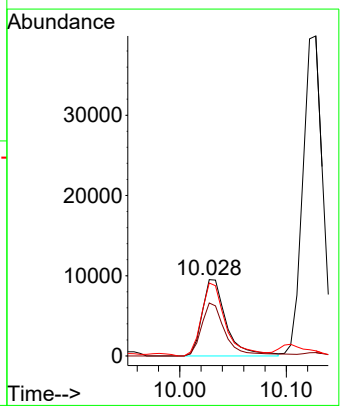


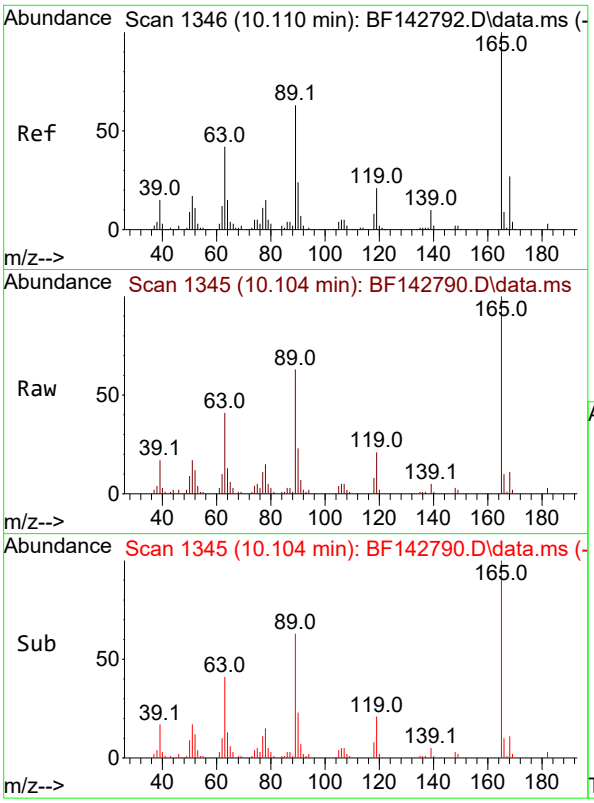




#56
4-Nitrophenol
Concen: 8.927 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:139 Resp: 14986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 69.3 | 44.7 | 84.7 |
| 65 | 95.5 | 69.8 | 109.8 |



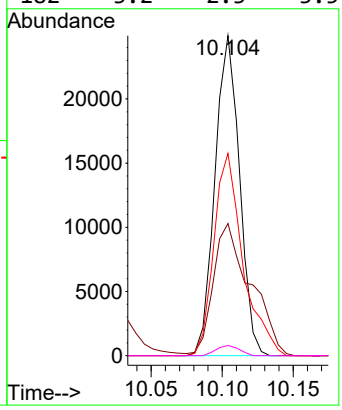


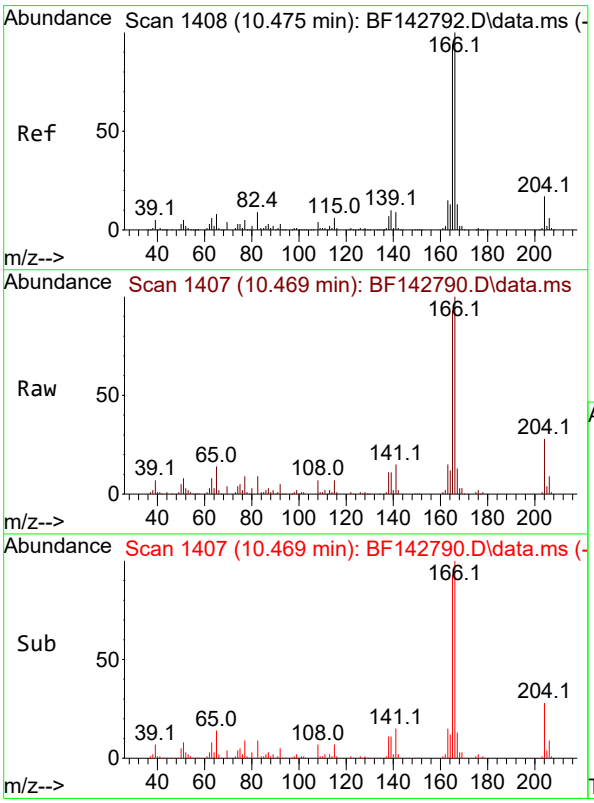

#57
2,4-Dinitrotoluene
Concen: 9.943 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:165 Resp: 29934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 41.3 | 33.9 | 50.9 |
| 89 | 63.2 | 50.6 | 75.8 |
| 182 | 3.2 | 2.3 | 3.5 |

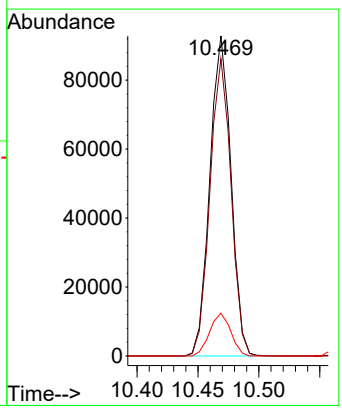


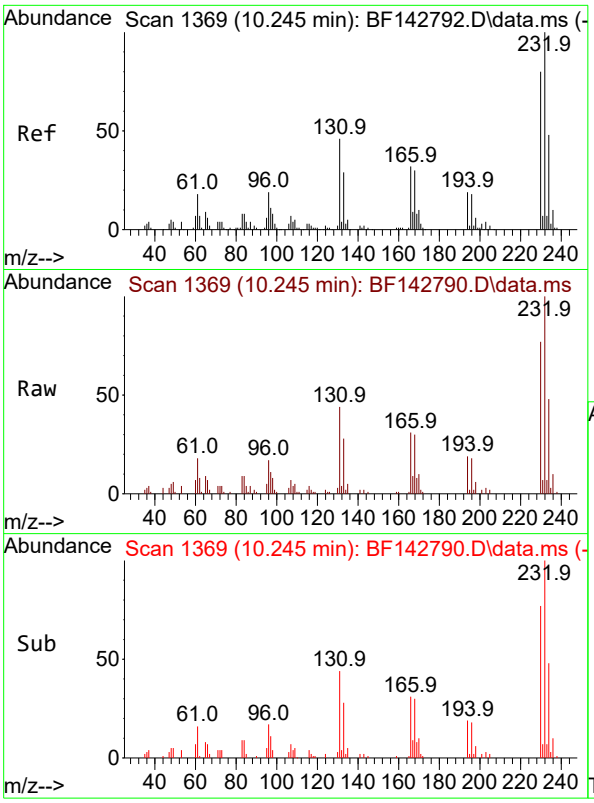




#58
Fluorene
Concen: 10.518 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:166 Resp: 111772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 92.9 | 75.2 | 112.8 |
| 167 | 13.3 | 10.6 | 15.8 |



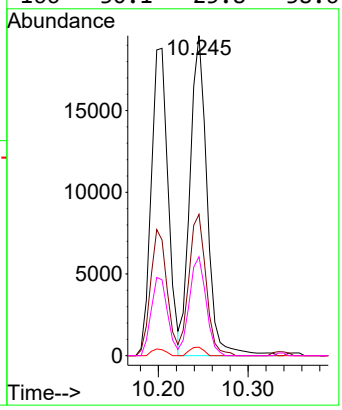


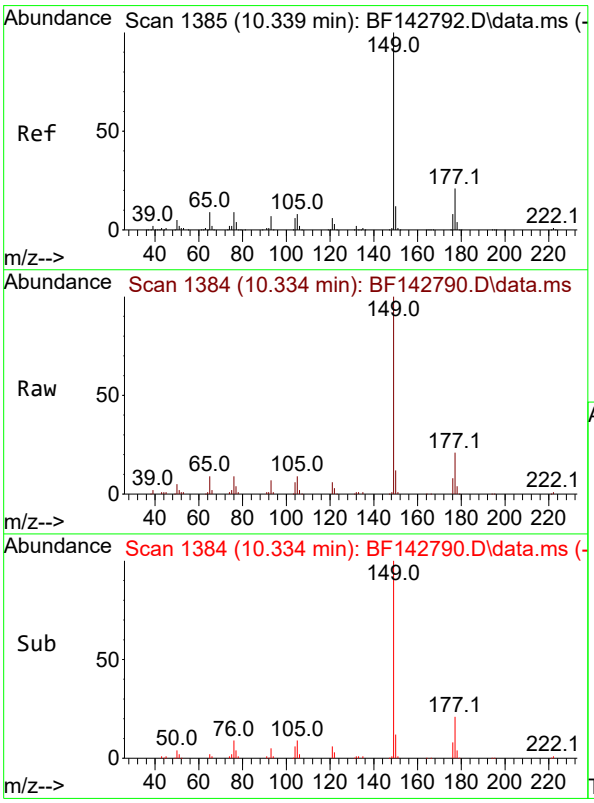

#59
2,3,4,6-Tetrachlorophenol
Concen: 9.666 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:232 Resp: 25885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.2 | 37.6 | 56.4 |
| 130 | 2.2 | 1.7 | 2.5 |
| 166 | 30.1 | 25.8 | 38.6 |

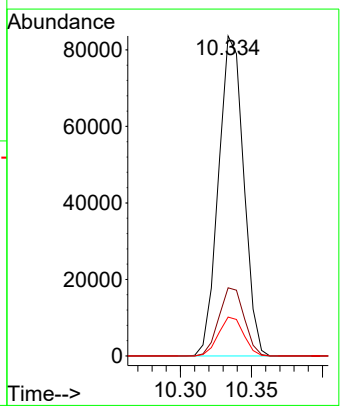


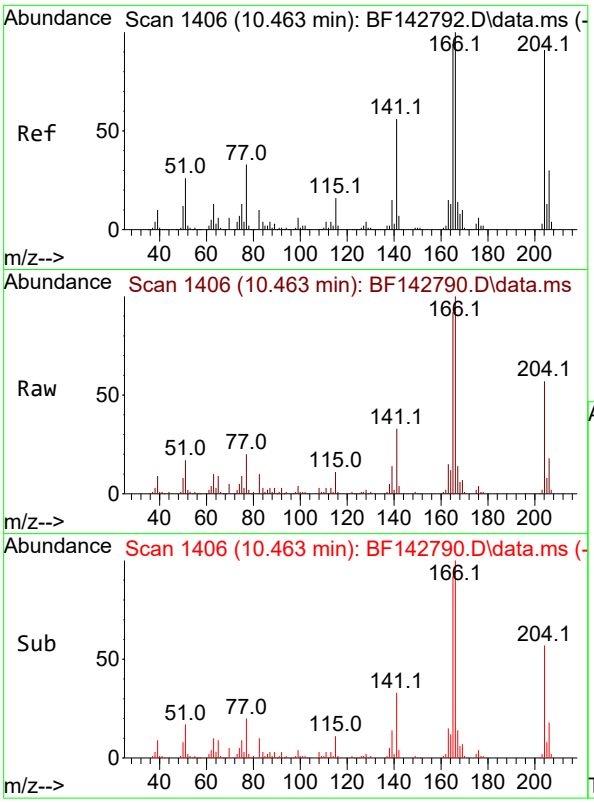




#60
Diethylphthalate
Concen: 9.877 ng
RT: 10.334 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:149 Resp: 103048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.3 | 17.0 | 25.6 |
| 150 | 12.2 | 9.8 | 14.6 |



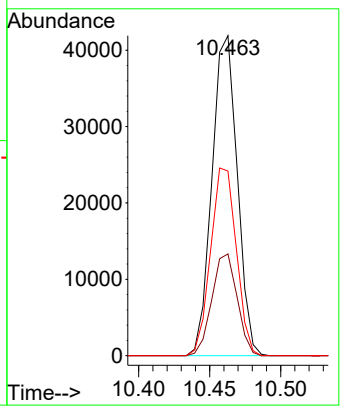


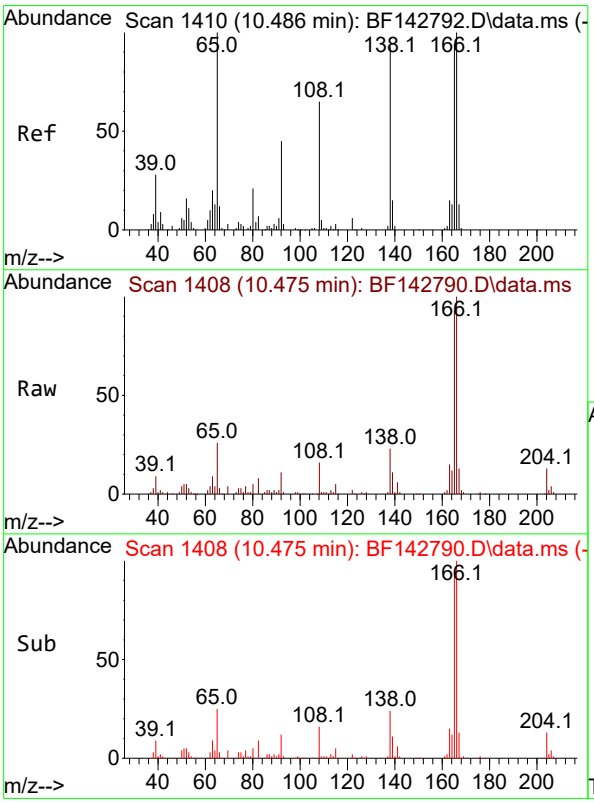

#61
4-Chlorophenyl-phenylether
Concen: 10.067 ng
RT: 10.463 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:204 Resp: 51958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 31.8 | 26.3 | 39.5 |
| 141 | 57.7 | 49.1 | 73.7 |

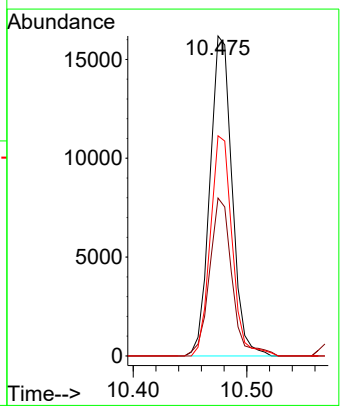


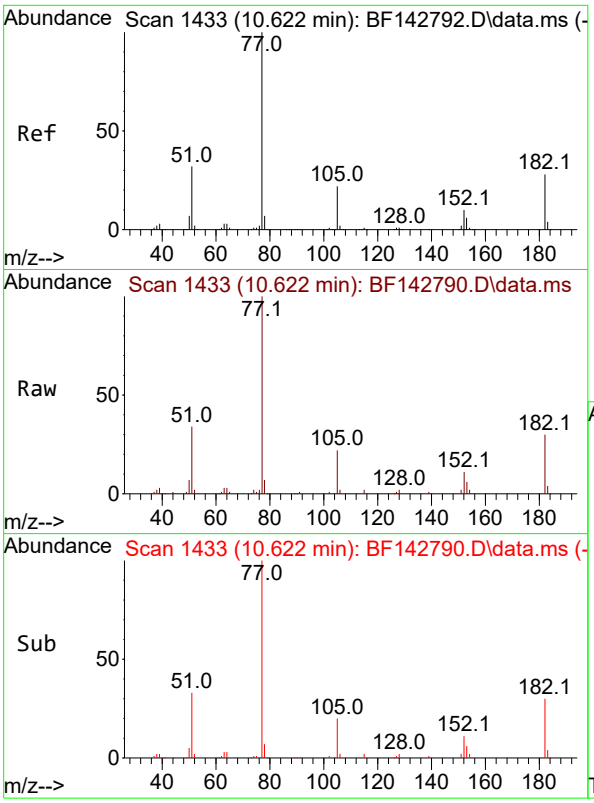




#62
4-Nitroaniline
Concen: 9.854 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:138 Resp: 21876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.3 | 28.4 | 68.4 |
| 108 | 68.8 | 50.2 | 90.2 |



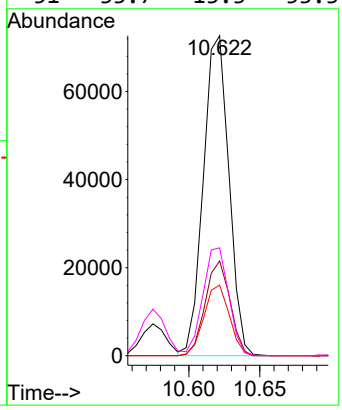


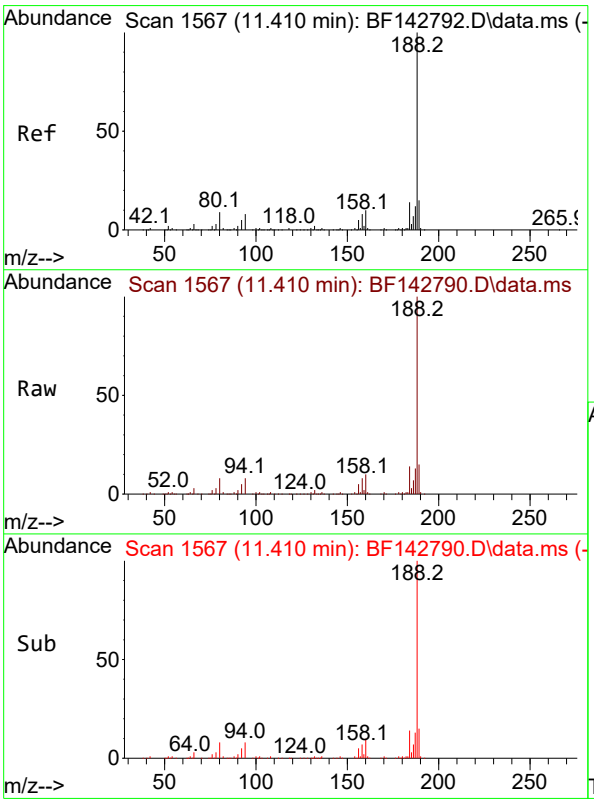

#63
Azobenzene
Concen: 9.977 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion: 77 Resp: 90965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 29.6 | 7.7 | 47.7 |
| 105 | 22.0 | 1.9 | 41.9 |
| 51 | 33.7 | 13.3 | 53.3 |

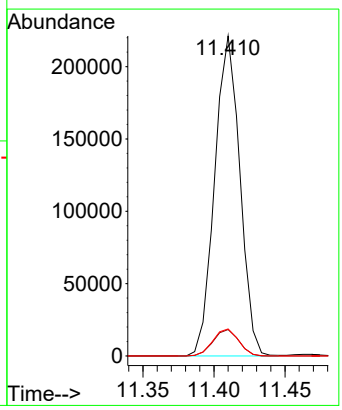


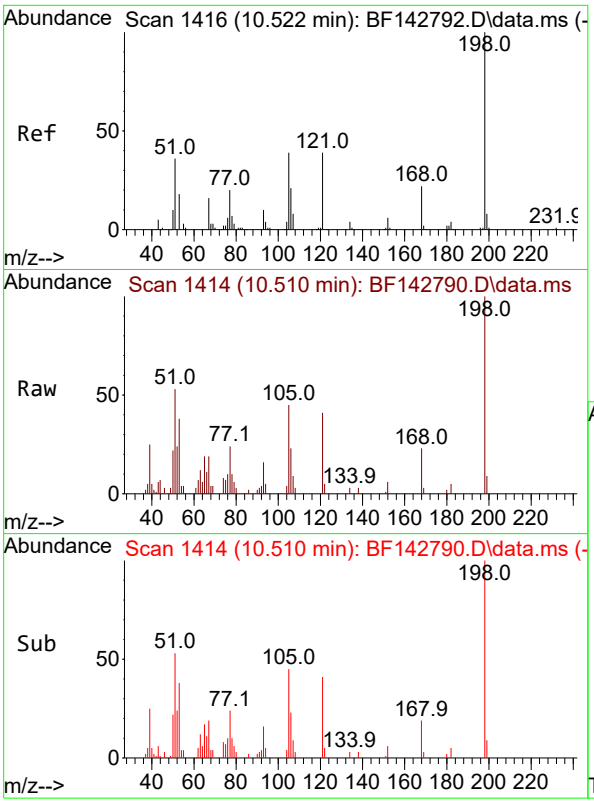




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:188 Resp: 273084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.2 | 6.7 | 10.1 |
| 80 | 8.5 | 6.9 | 10.3 |



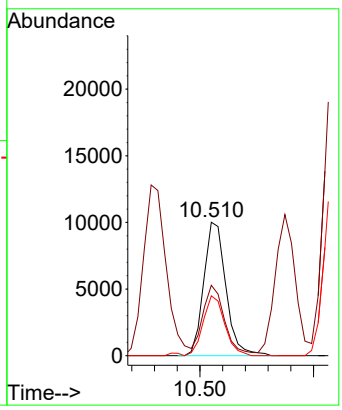


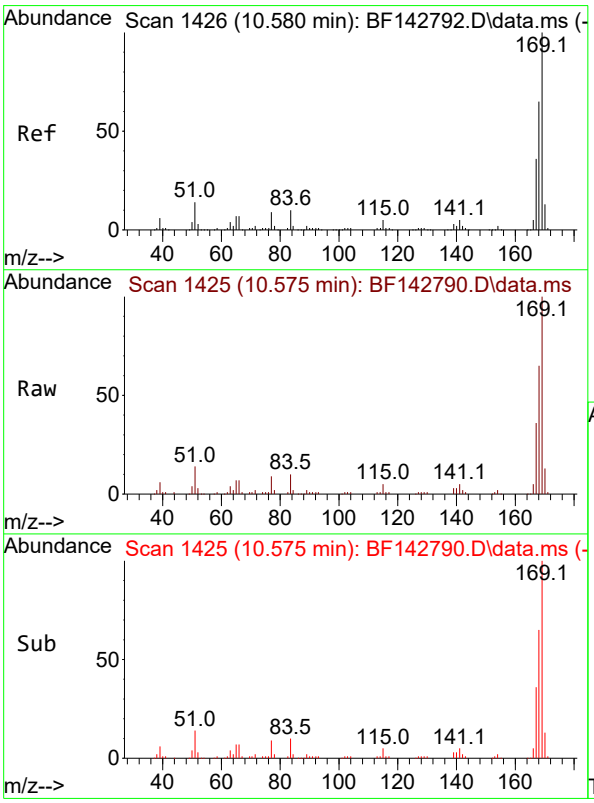

#65
4,6-Dinitro-2-methylphenol
Concen: 7.982 ng
RT: 10.510 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:198 Resp: 13545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 52.8 | 25.4 | 65.4 |
| 105 | 44.8 | 20.4 | 60.4 |

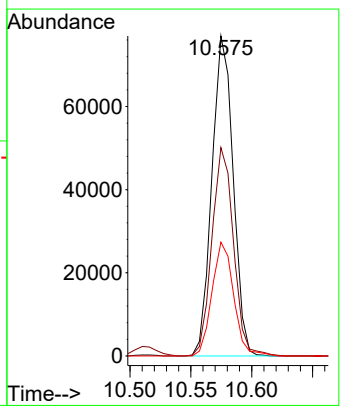


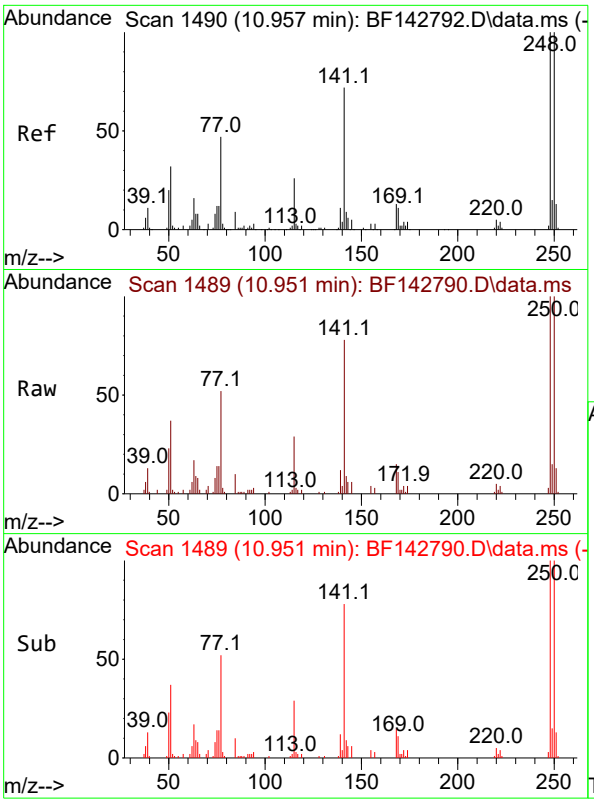




#66
n-Nitrosodiphenylamine
Concen: 9.978 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:169 Resp: 93632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.1 | 51.9 | 77.9 |
| 167 | 35.6 | 28.5 | 42.7 |



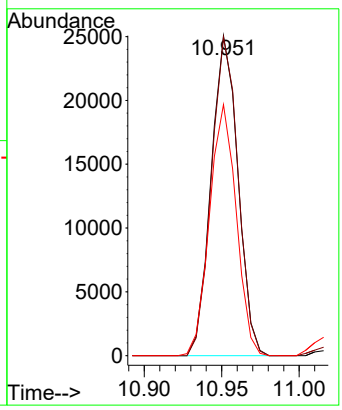


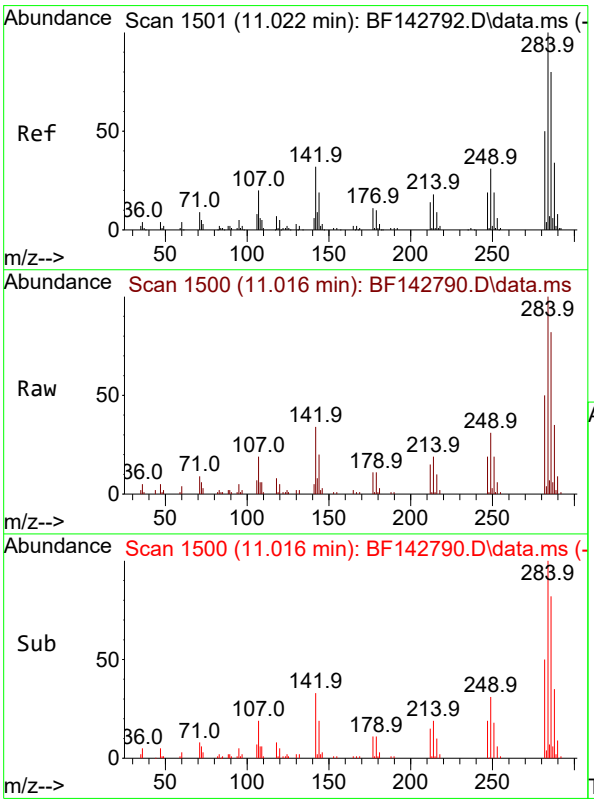

#67
4-Bromophenyl-phenylether
Concen: 9.425 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:248 Resp: 30145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.6 | 79.8 | 119.8 |
| 141 | 78.4 | 57.8 | 86.6 |

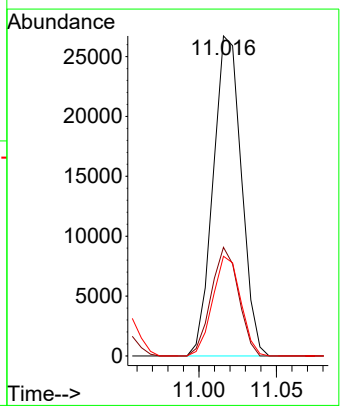


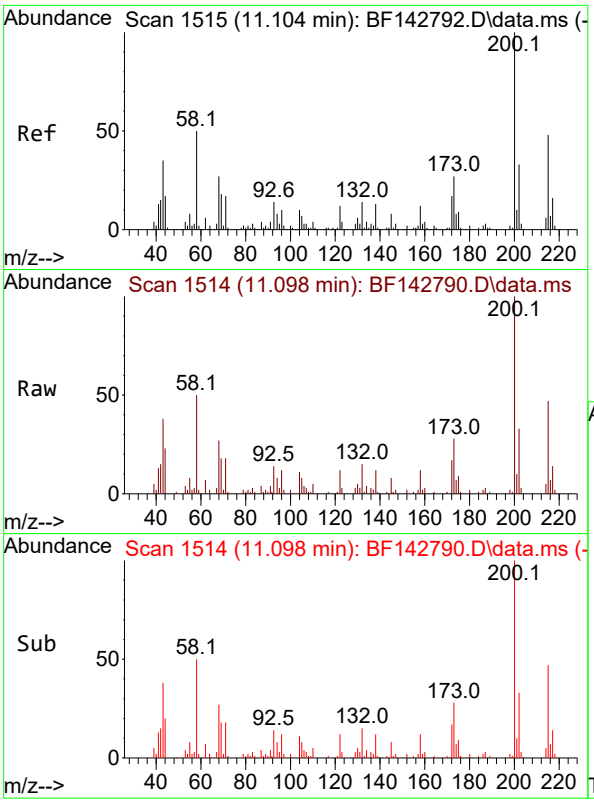




#68
Hexachlorobenzene
Concen: 9.530 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:284 Resp: 33838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.0 | 25.5 | 38.3 |
| 249 | 31.2 | 24.9 | 37.3 |



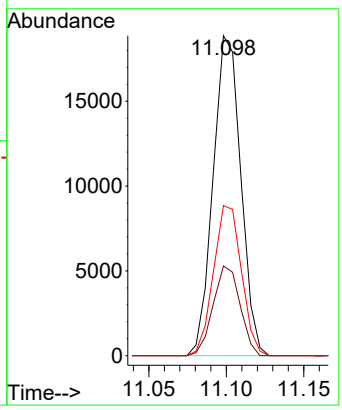


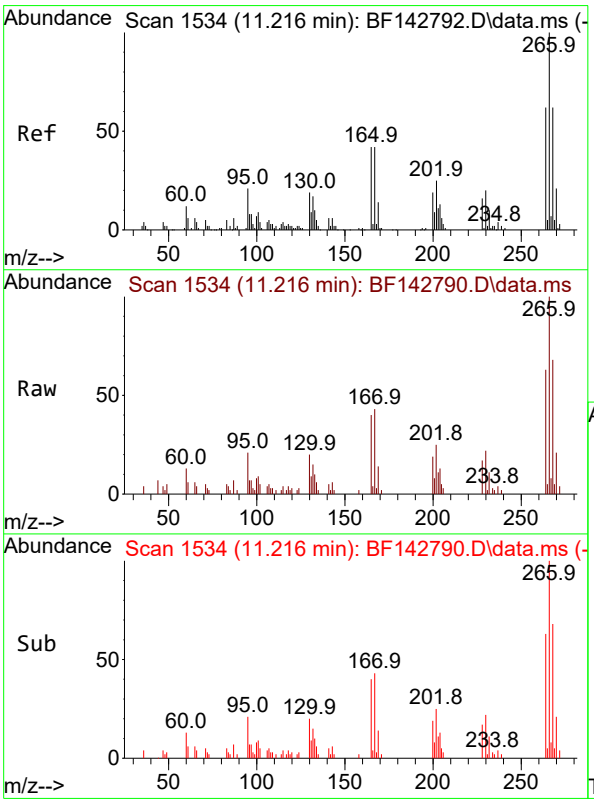

#69
Atrazine
Concen: 9.401 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:200 Resp: 23423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 28.1 | 7.4 | 47.4 |
| 215 | 46.9 | 28.4 | 68.4 |

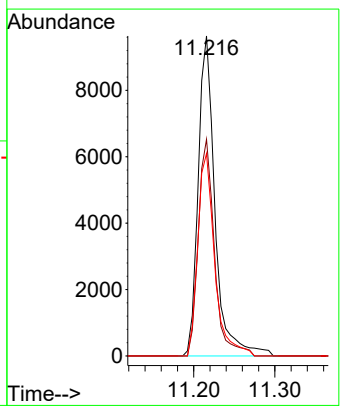


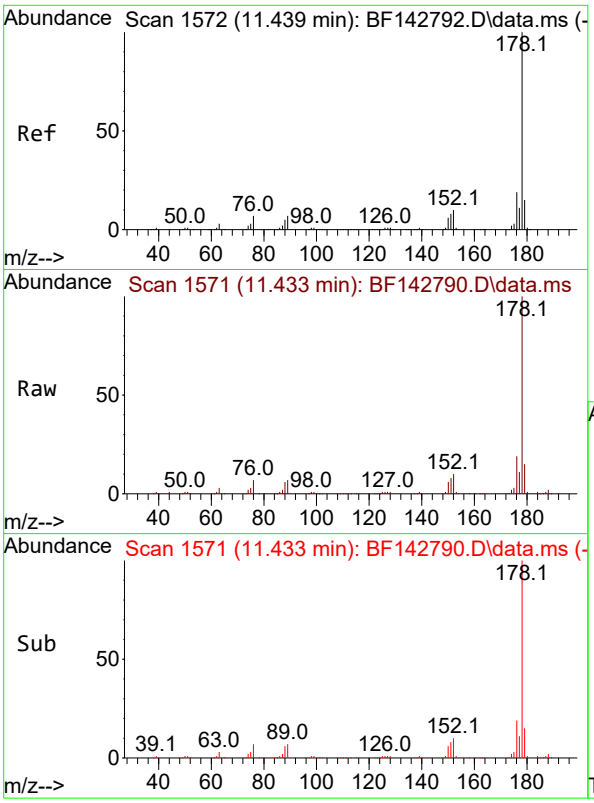




#70
Pentachlorophenol
Concen: 7.534 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:266 Resp: 13894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 67.7 | 49.8 | 74.8 |
| 264 | 63.2 | 49.9 | 74.9 |



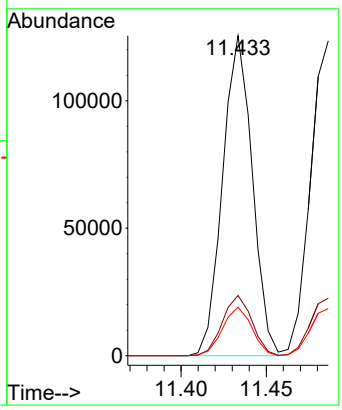


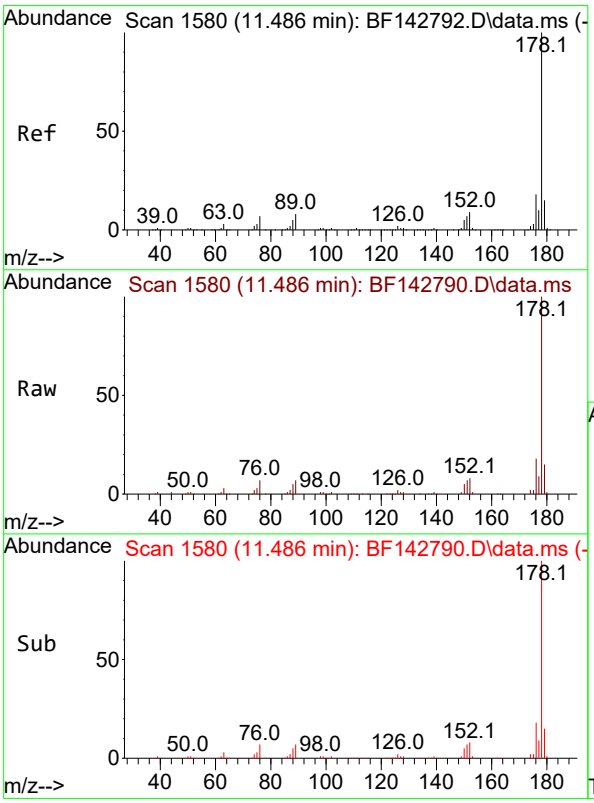

#71
Phenanthrene
Concen: 10.396 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:178 Resp: 151997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.1 | 22.7 |
| 179 | 15.1 | 12.0 | 18.0 |

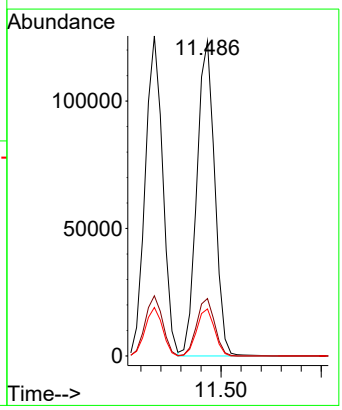


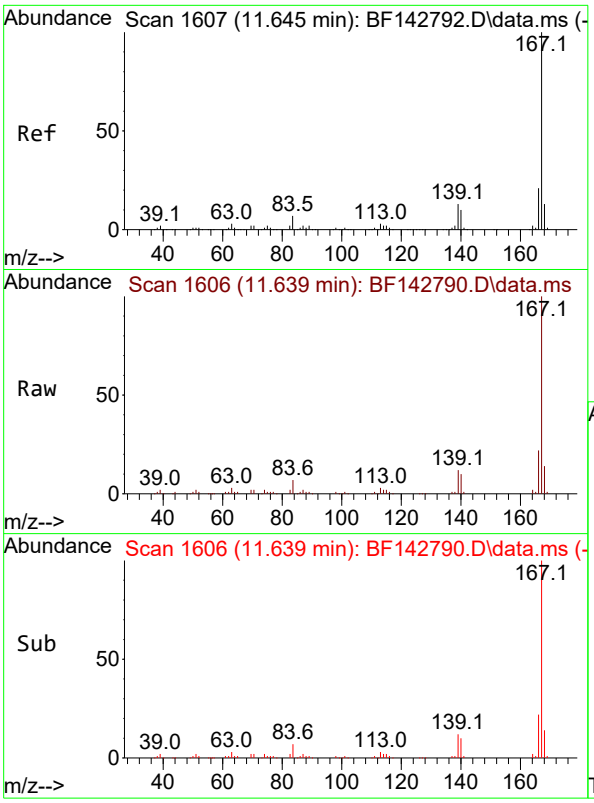




#72
Anthracene
Concen: 10.135 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:178 Resp: 153376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 14.6 | 21.8 |
| 179 | 15.0 | 12.4 | 18.6 |



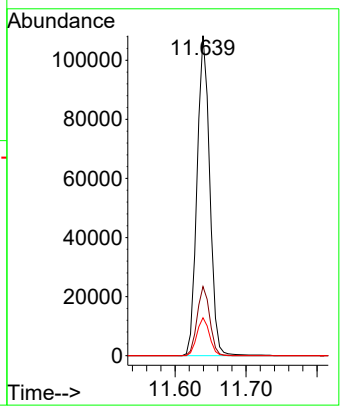


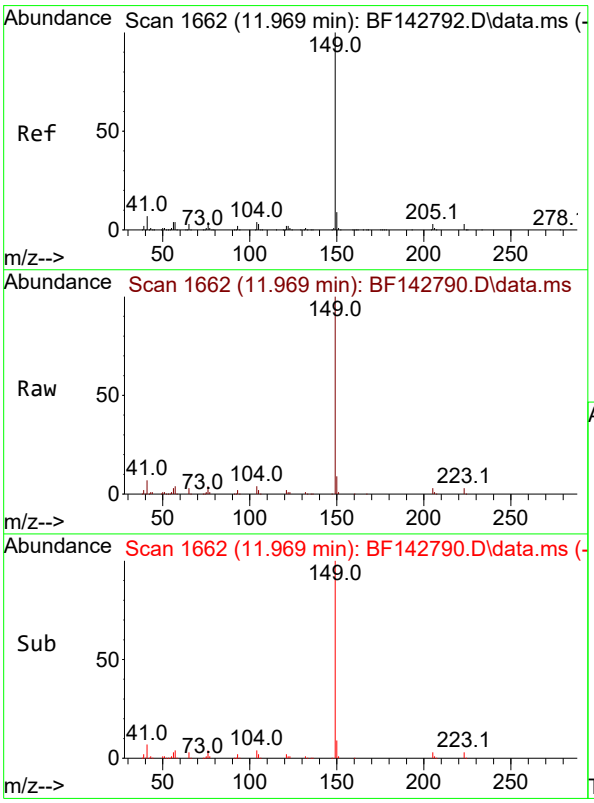

#73
Carbazole
Concen: 10.625 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:167 Resp: 134656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.0 | 25.4 |
| 139 | 11.8 | 10.2 | 15.2 |

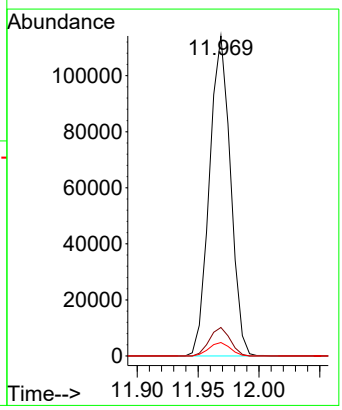


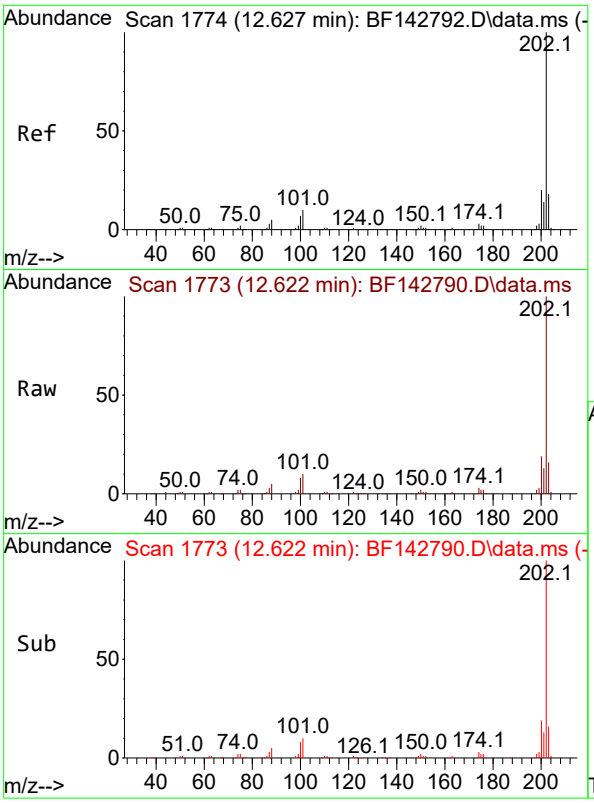




#74
Di-n-butylphthalate
Concen: 9.784 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:149 Resp: 137293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 8.9 | 7.4 | 11.0 |
| 104 | 4.2 | 3.5 | 5.3 |



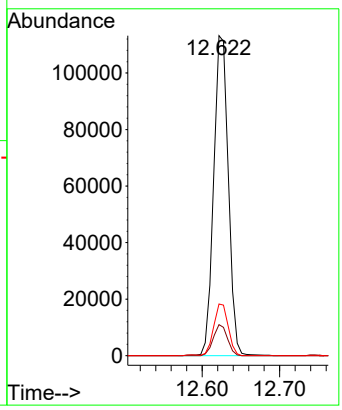


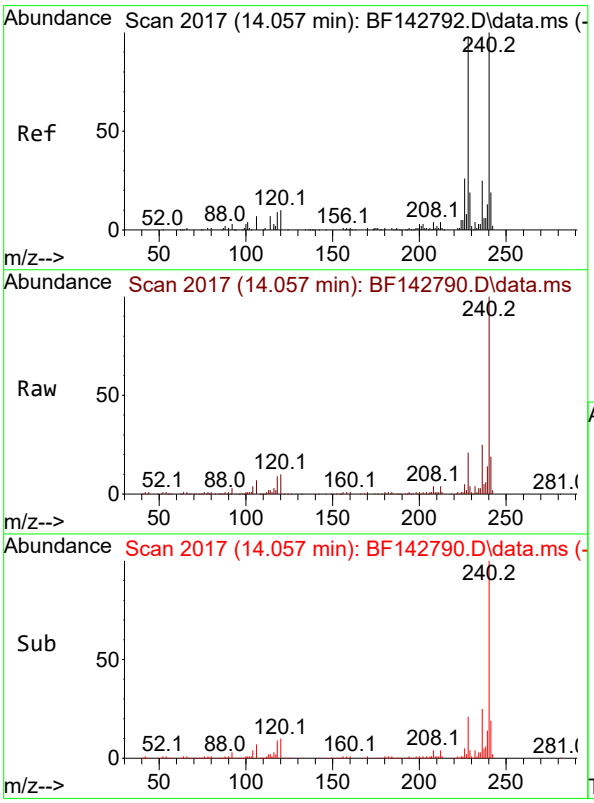

#75
Fluoranthene
Concen: 10.693 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:202 Resp: 148540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.7 | 0.0 | 29.7 |
| 203 | 16.2 | 0.0 | 37.5 |

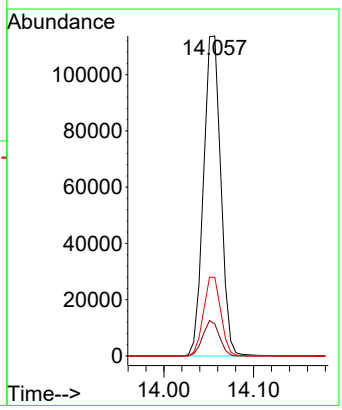


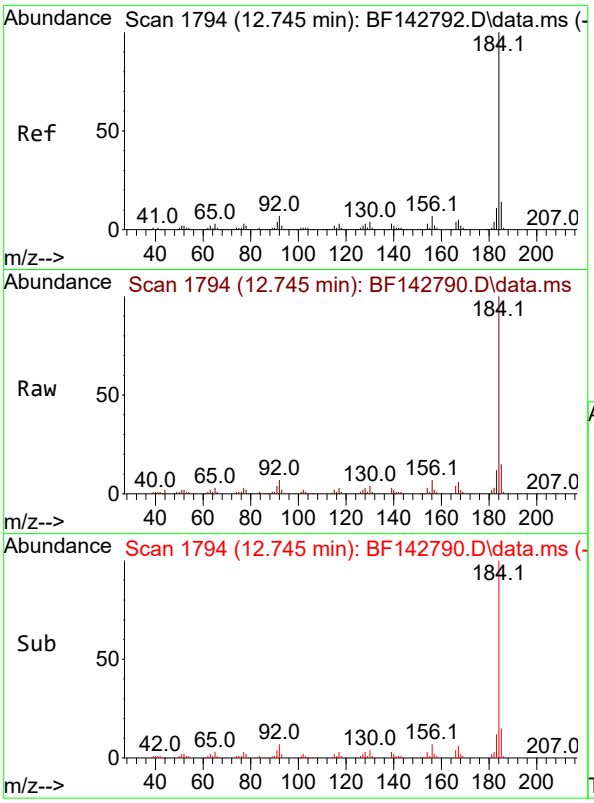




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:240 Resp: 152374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.0 | 8.2 | 12.2 |
| 236 | 24.6 | 19.8 | 29.8 |



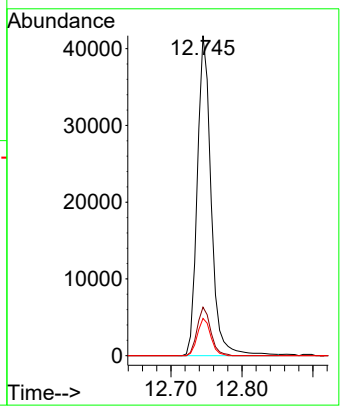


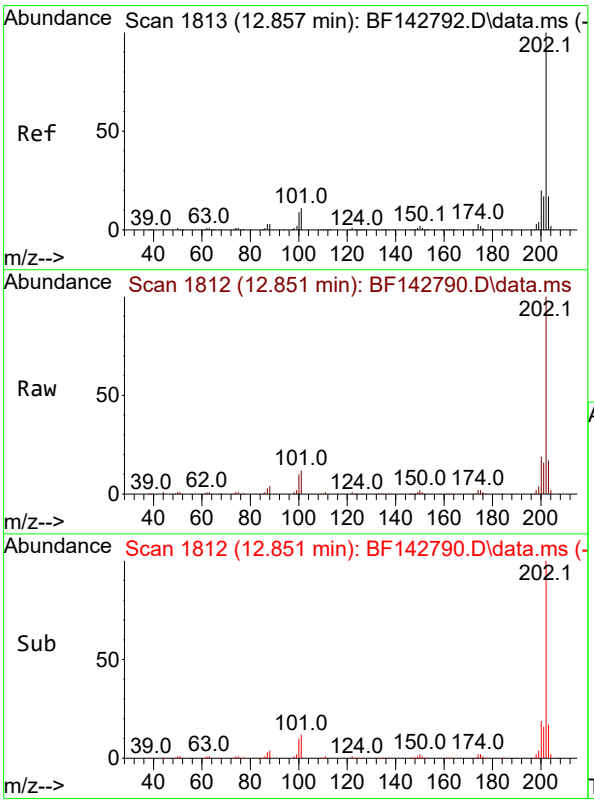

#77
Benzidine
Concen: 10.524 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:184 Resp: 56769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.1 | 11.5 | 17.3 |
| 183 | 11.6 | 9.0 | 13.4 |

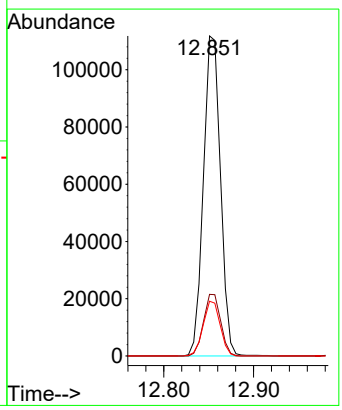


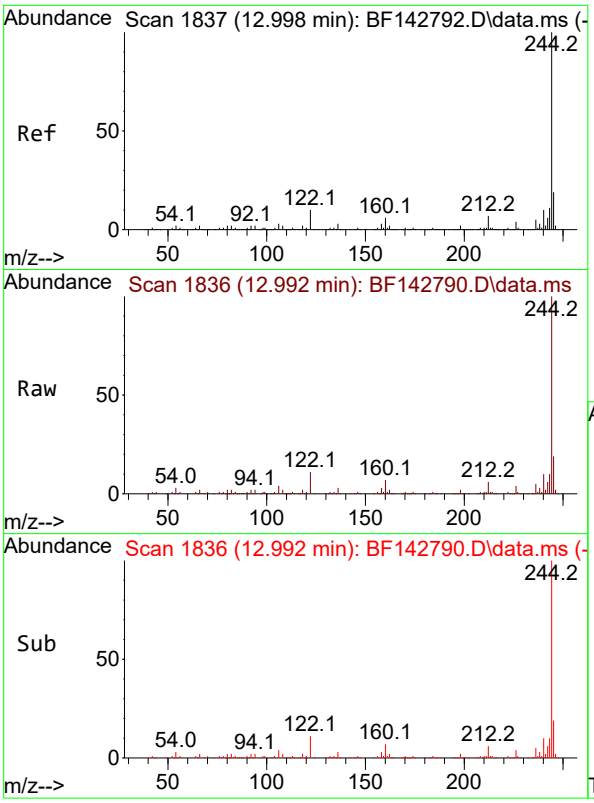




#78
Pyrene
Concen: 10.553 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:202 Resp: 147819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.3 | 15.7 | 23.5 |
| 203 | 17.1 | 13.8 | 20.6 |



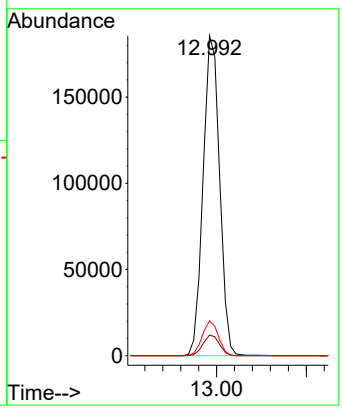


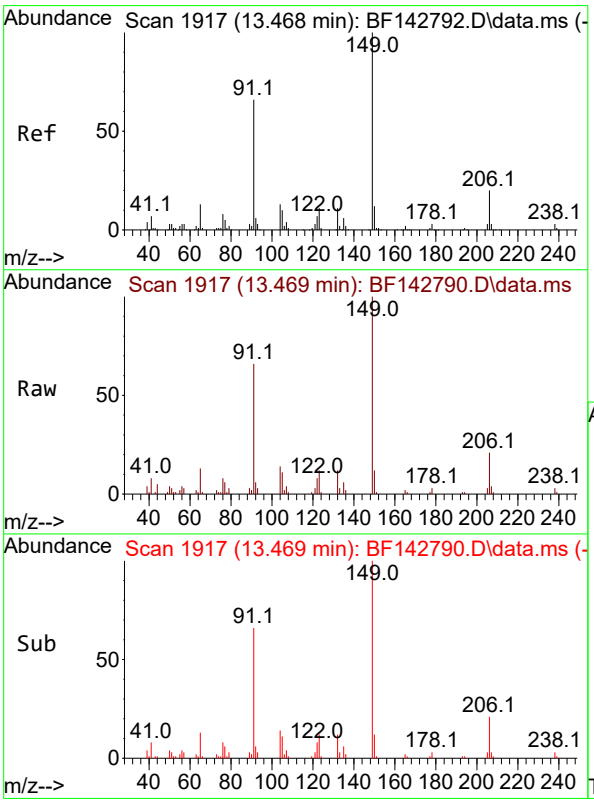

#79
Terphenyl-d14
Concen: 21.651 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:244 Resp: 237037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.5 | 5.4 | 8.0 |
| 122 | 10.9 | 8.2 | 12.2 |

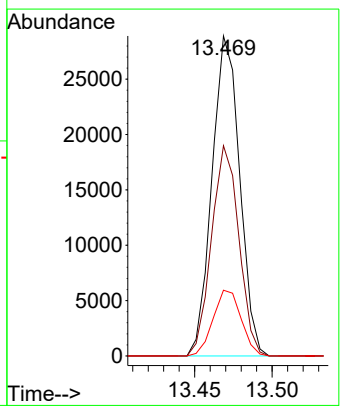


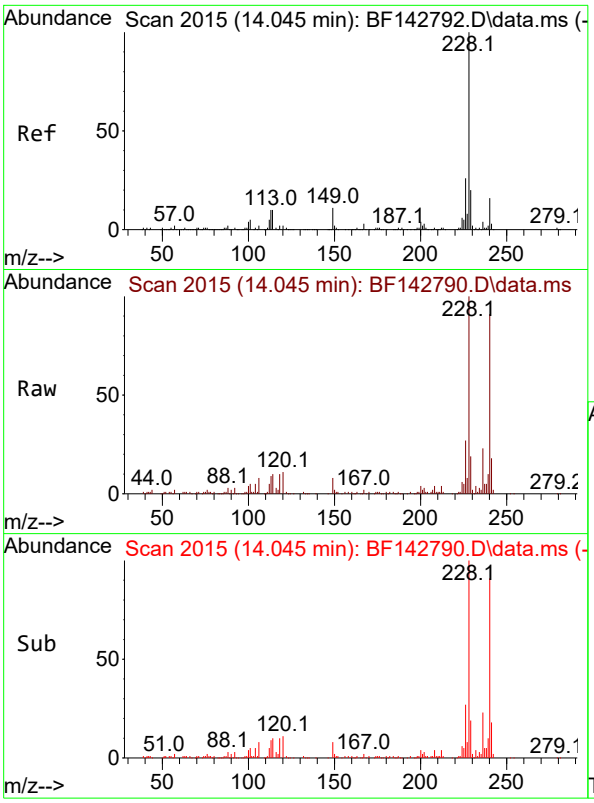




#80
Butylbenzylphthalate
Concen: 8.635 ng
RT: 13.469 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:149 Resp: 35843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 65.7 | 52.9 | 79.3 |
| 206 | 20.5 | 16.3 | 24.5 |



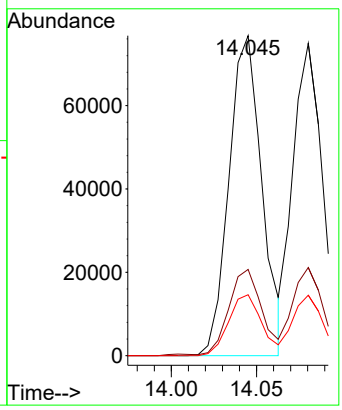


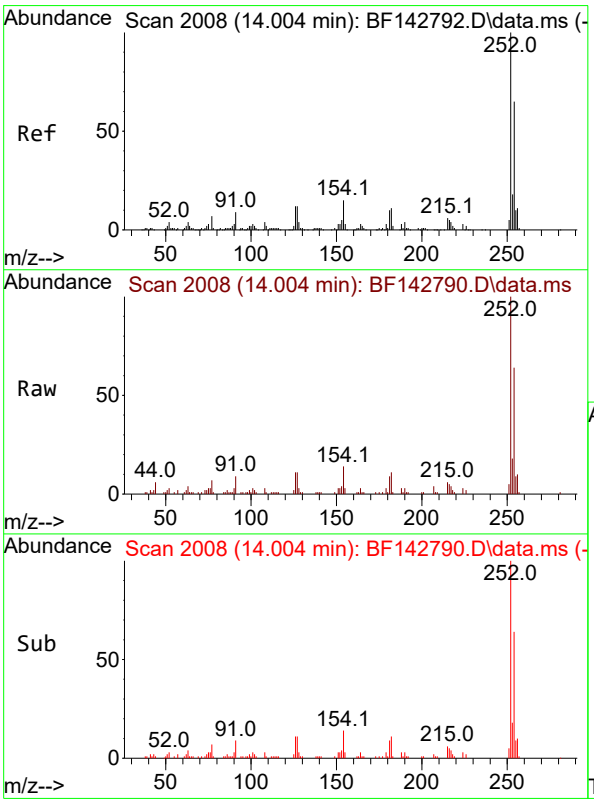

#81
Benzo(a)anthracene
Concen: 10.345 ng
RT: 14.045 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:228 Resp: 103495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.0 | 21.2 | 31.8 |
| 229 | 19.1 | 15.6 | 23.4 |

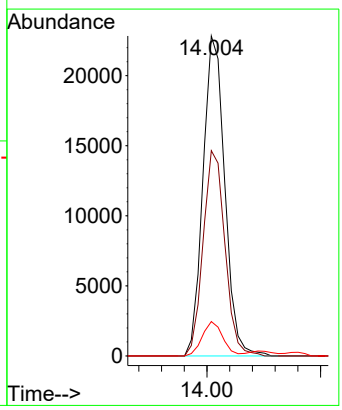


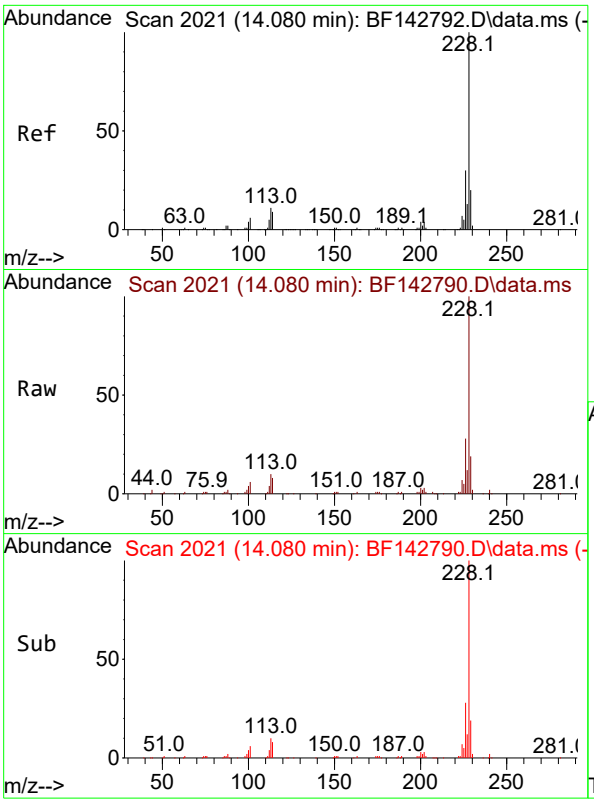




#82
3,3'-Dichlorobenzidine
Concen: 9.368 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:252 Resp: 30349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.2 | 51.7 | 77.5 |
| 126 | 10.8 | 9.4 | 14.2 |



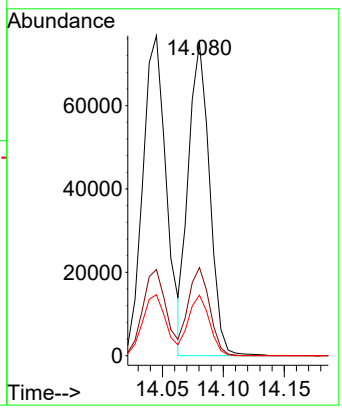


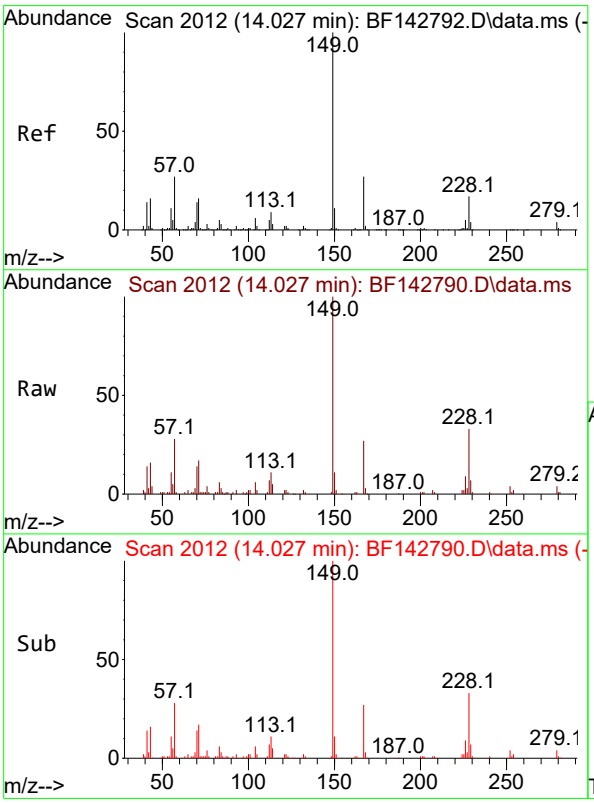

#83
Chrysene
Concen: 9.741 ng
RT: 14.080 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:228 Resp: 90725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.2 | 23.7 | 35.5 |
| 229 | 19.4 | 15.7 | 23.5 |

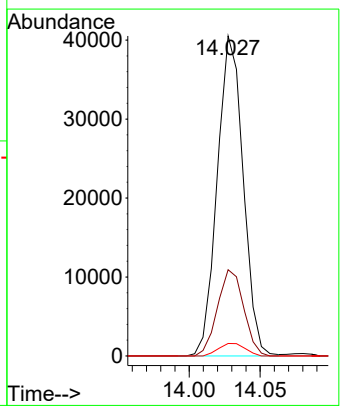


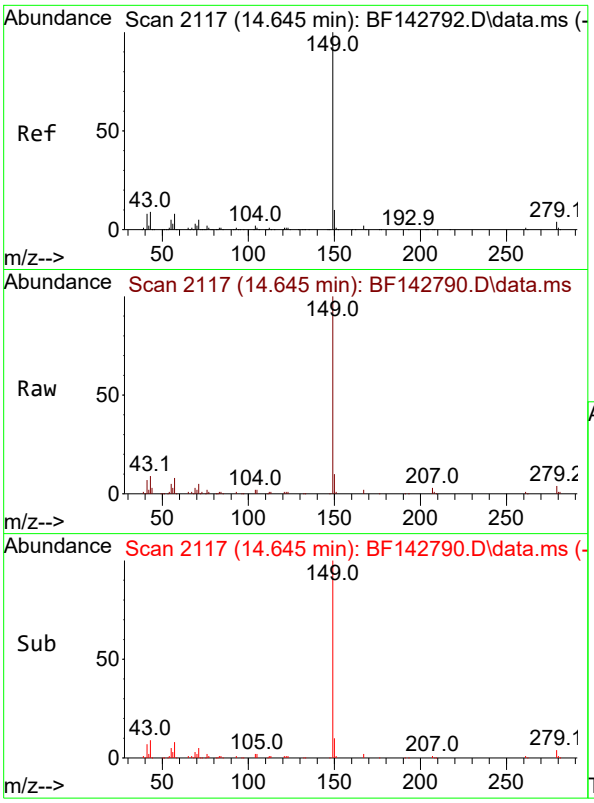




#84
Bis(2-ethylhexyl)phthalate
Concen: 8.316 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:149 Resp: 51432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.0 | 21.4 | 32.0 |
| 279 | 3.9 | 3.0 | 4.6 |



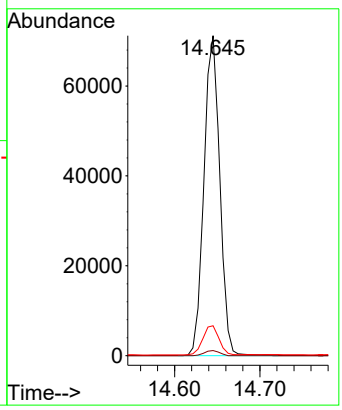


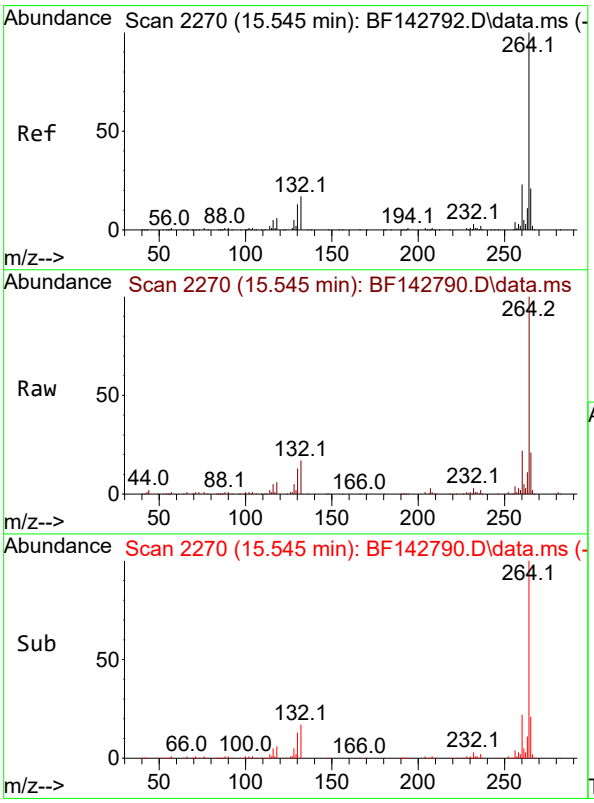

#85
Di-n-octyl phthalate
Concen: 7.805 ng
RT: 14.645 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:149 Resp: 91989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 9.3 | 7.6 | 11.4 |

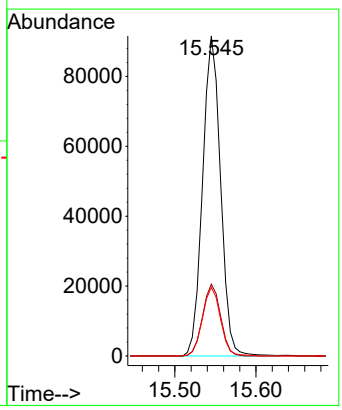


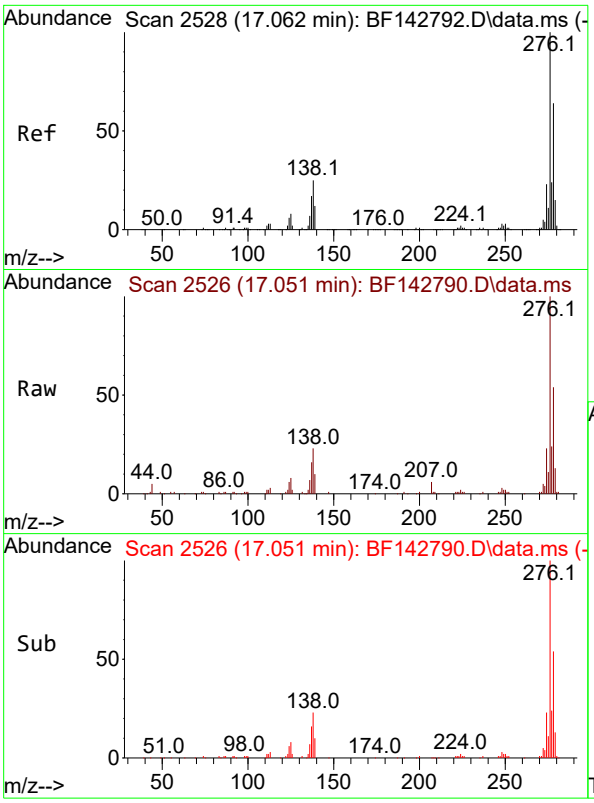




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:264 Resp: 140417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.4 | 18.1 | 27.1 |
| 265 | 21.5 | 16.6 | 25.0 |



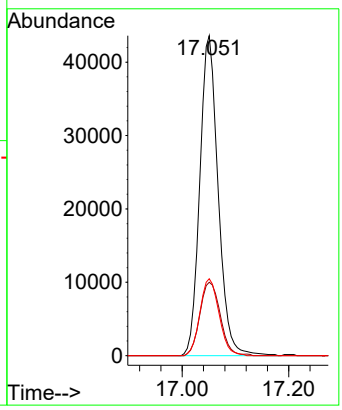


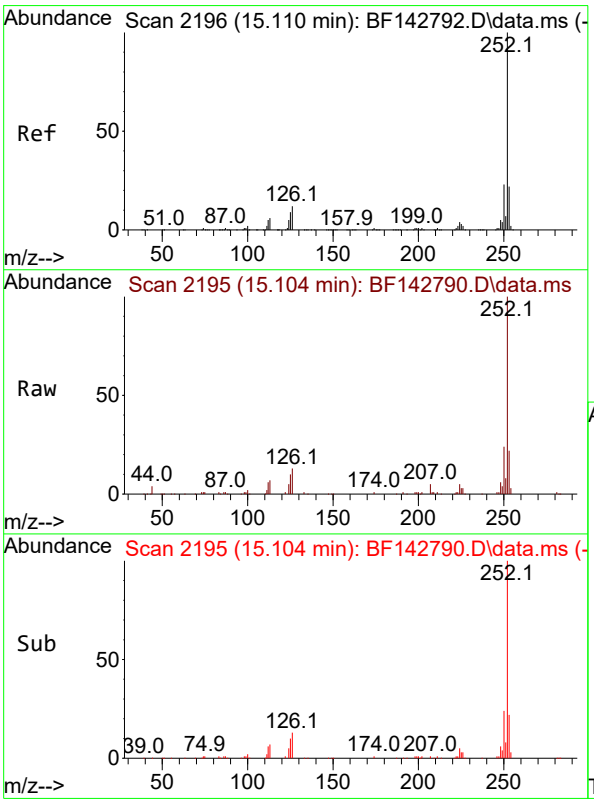

#87
Indeno(1,2,3-cd)pyrene
Concen: 10.061 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:276 Resp: 104445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.4 | 20.2 | 30.4 |
| 277 | 25.0 | 19.8 | 29.6 |

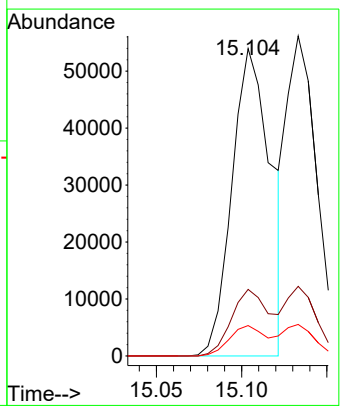


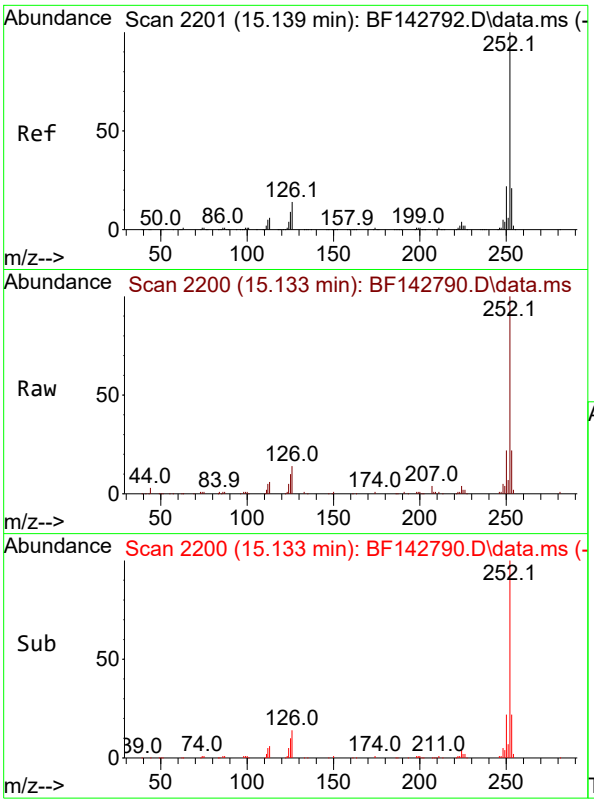




#88
Benzo(b)fluoranthene
Concen: 10.478 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:252 Resp: 85689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.5 | 26.3 |
| 125 | 9.9 | 7.4 | 11.0 |



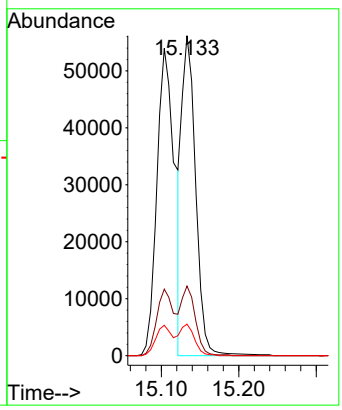


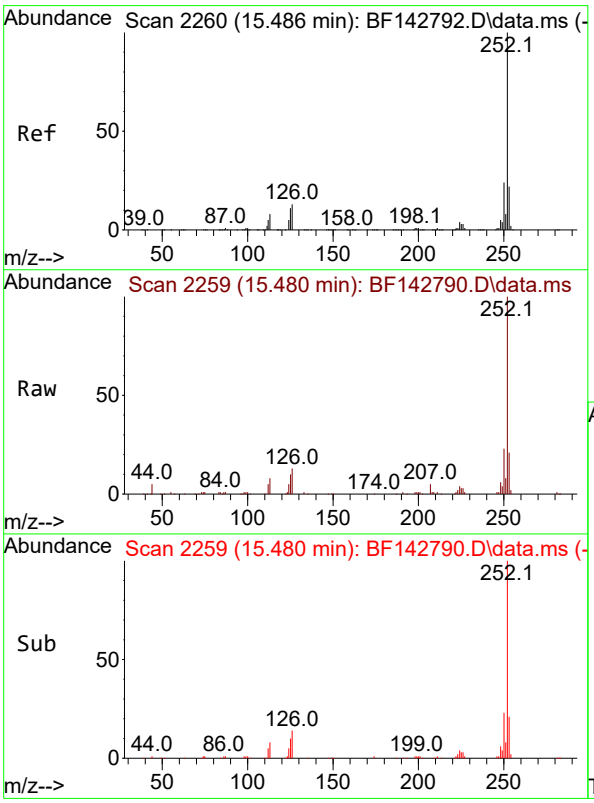

#89
Benzo(k)fluoranthene
Concen: 8.828 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:252 Resp: 70470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.2 | 25.8 |
| 125 | 9.9 | 7.4 | 11.2 |

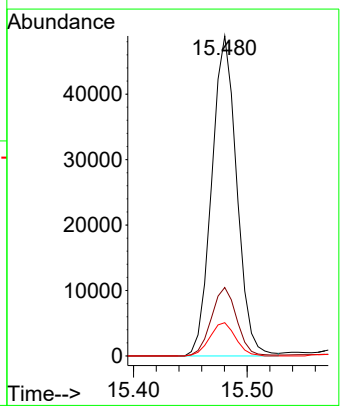


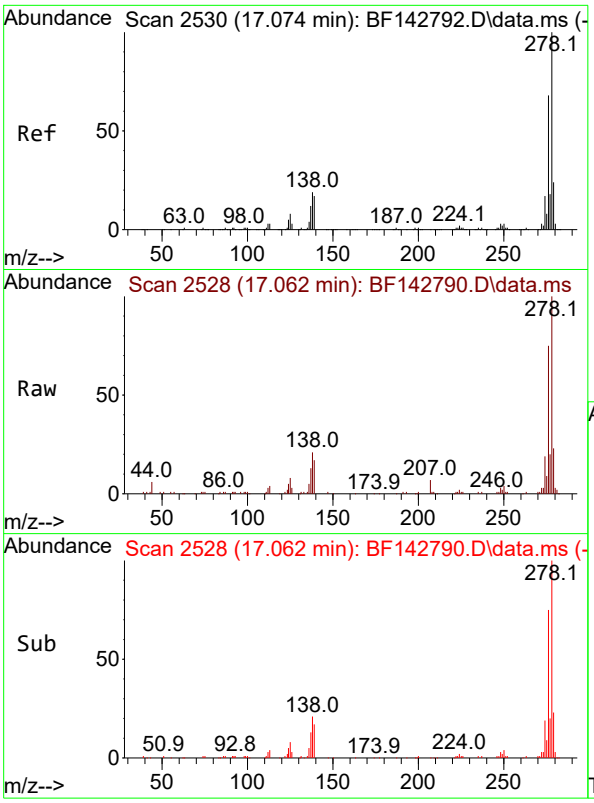




#90
Benzo(a)pyrene
Concen: 9.558 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:252 Resp: 74803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.5 | 26.3 |
| 125 | 10.4 | 8.6 | 12.8 |



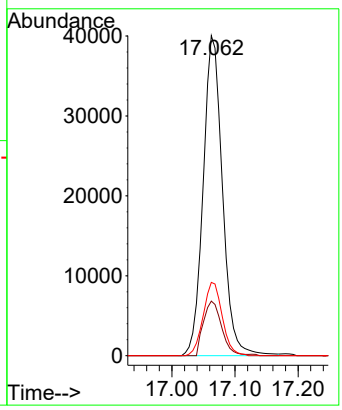


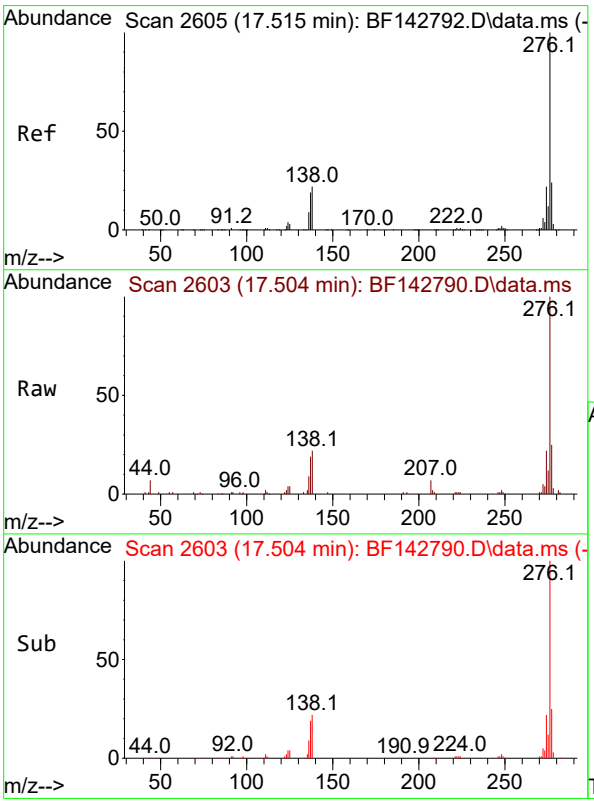

#91
Dibenzo(a,h)anthracene
Concen: 10.099 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

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

Tgt Ion:278 Resp: 85238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.0 | 13.5 | 20.3 |
| 279 | 22.9 | 18.8 | 28.2 |

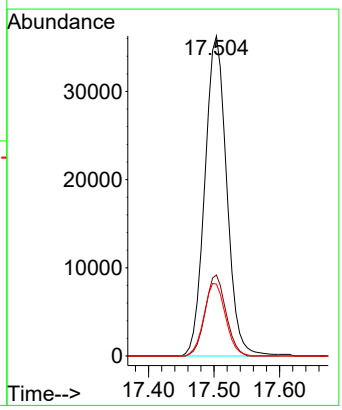



#92
Benzo(g,h,i)perylene
Concen: 9.989 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:276 Resp: 84115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.3 | 18.8 | 28.2 |
| 138 | 22.5 | 17.6 | 26.4 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142791.D
Acq On : 19 Jun 2025 18:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jun 20 04:39:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 83780 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 312367 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.922 | 164 | 164603 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.410 | 188 | 277149 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.057 | 240 | 151398 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 151331 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 206126 | 41.963 | ng | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 238437 | 41.338 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.440 | 82 | 233268 | 40.933 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 70502 | 39.411 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.240 | 172 | 524084 | 42.356 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.998 | 244 | 464214 | 42.675 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.640 | 88 | 39464 | 20.232 | ng | 99 |
| 3) Pyridine | 3.410 | 79 | 99721 | 20.419 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.346 | 42 | 51716 | 20.677 | ng | 94 |
| 6) Aniline | 6.540 | 93 | 158463 | 20.499 | ng | 99 |
| 8) 2-Chlorophenol | 6.663 | 128 | 108230 | 20.235 | ng | 99 |
| 9) Benzaldehyde | 6.428 | 77 | 79008 | 22.467 | ng | 99 |
| 10) Phenol | 6.516 | 94 | 133318 | 20.730 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 6.610 | 93 | 94972 | 19.905 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 123139 | 20.218 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.899 | 146 | 123337 | 19.980 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 118033 | 20.001 | ng | 100 |
| 15) Benzyl Alcohol | 7.016 | 79 | 85856 | 19.885 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151 | 45 | 152035 | 20.224 | ng | 99 |
| 17) 2-Methylphenol | 7.128 | 107 | 82097 | 20.077 | ng | 99 |
| 18) Hexachloroethane | 7.393 | 117 | 42435 | 19.229 | ng | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.287 | 70 | 69761 | 19.178 | ng | 99 |
| 20) 3+4-Methylphenols | 7.281 | 107 | 105750 | 20.547 | ng | 97 |
| 22) Acetophenone | 7.287 | 105 | 143274 | 20.730 | ng | 99 |
| 24) Nitrobenzene | 7.463 | 77 | 103569 | 20.450 | ng | 97 |
| 25) Isophorone | 7.698 | 82 | 185071 | 19.365 | ng | 100 |
| 26) 2-Nitrophenol | 7.781 | 139 | 56979 | 20.191 | ng | 99 |
| 27) 2,4-Dimethylphenol | 7.816 | 122 | 99256 | 20.659 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.910 | 93 | 119505 | 20.087 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.022 | 162 | 90497 | 20.437 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.104 | 180 | 99320 | 20.304 | ng | 99 |
| 31) Naphthalene | 8.187 | 128 | 313467 | 20.405 | ng | 100 |
| 32) Benzoic acid | 7.898 | 122 | 45969 | 17.245 | ng | 98 |
| 33) 4-Chloroaniline | 8.234 | 127 | 127623 | 20.729 | ng | 99 |
| 34) Hexachlorobutadiene | 8.304 | 225 | 61994 | 20.001 | ng | 98 |
| 35) Caprolactam | 8.587 | 113 | 23555 | 19.769 | ng | 98 |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 89279 | 19.518 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.881 | 142 | 196609 | 20.287 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.975 | 142 | 202898 | 20.165 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.045 | 216 | 99104 | 20.857 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.028 | 237 | 50669 | 16.864 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.157 | 196 | 64786 | 21.069 | ng | 97 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142791.D
Acq On : 19 Jun 2025 18:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jun 20 04:39:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.198 | 196 | 69275 | 20.862 ng | 98 |
| 46) 1,1'-Biphenyl | 9.340 | 154 | 269396 | 21.078 ng | 100 |
| 47) 2-Chloronaphthalene | 9.369 | 162 | 198874 | 21.087 ng | 99 |
| 48) 2-Nitroaniline | 9.463 | 65 | 55412 | 20.681 ng | 96 |
| 49) Acenaphthylene | 9.781 | 152 | 331018 | 20.878 ng | 99 |
| 50) Dimethylphthalate | 9.640 | 163 | 218901 | 20.049 ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.704 | 165 | 47707 | 20.156 ng | 99 |
| 52) Acenaphthene | 9.957 | 154 | 204192 | 20.813 ng | 99 |
| 53) 3-Nitroaniline | 9.875 | 138 | 52088 | 20.261 ng | 98 |
| 54) 2,4-Dinitrophenol | 9.981 | 184 | 21231 | 16.576 ng | 97 |
| 55) Dibenzofuran | 10.128 | 168 | 290254 | 20.736 ng | 98 |
| 56) 4-Nitrophenol | 10.028 | 139 | 35937 | 20.593 ng | 98 |
| 57) 2,4-Dinitrotoluene | 10.104 | 165 | 65367 | 20.887 ng | 98 |
| 58) Fluorene | 10.469 | 166 | 229569 | 20.780 ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232 | 55799 | 20.042 ng | 96 |
| 60) Diethylphthalate | 10.339 | 149 | 217133 | 20.020 ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204 | 110133 | 20.526 ng | 98 |
| 62) 4-Nitroaniline | 10.481 | 138 | 48947 | 21.208 ng | 96 |
| 63) Azobenzene | 10.622 | 77 | 192057 | 20.263 ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198 | 32946 | 19.130 ng | 99 |
| 66) n-Nitrosodiphenylamine | 10.581 | 169 | 196840 | 20.670 ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248 | 65137 | 20.068 ng | 97 |
| 68) Hexachlorobenzene | 11.022 | 284 | 71354 | 19.802 ng | 98 |
| 69) Atrazine | 11.104 | 200 | 49963 | 19.760 ng | 99 |
| 70) Pentachlorophenol | 11.216 | 266 | 33089 | 17.680 ng | 97 |
| 71) Phenanthrene | 11.434 | 178 | 309015 | 20.826 ng | 100 |
| 72) Anthracene | 11.486 | 178 | 318388 | 20.730 ng | 100 |
| 73) Carbazole | 11.639 | 167 | 276824 | 21.523 ng | 99 |
| 74) Di-n-butylphthalate | 11.969 | 149 | 289686 | 20.342 ng | 100 |
| 75) Fluoranthene | 12.628 | 202 | 302035 | 21.424 ng | 99 |
| 77) Benzidine | 12.745 | 184 | 130162 | 24.285 ng | 99 |
| 78) Pyrene | 12.857 | 202 | 297999 | 21.413 ng | 100 |
| 80) Butylbenzylphthalate | 13.469 | 149 | 81500 | 19.761 ng | 99 |
| 81) Benzo(a)anthracene | 14.045 | 228 | 206831 | 20.807 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.004 | 252 | 66675 | 20.714 ng | 97 |
| 83) Chrysene | 14.080 | 228 | 182829 | 19.756 ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149 | 116092 | 18.892 ng | 99 |
| 85) Di-n-octyl phthalate | 14.645 | 149 | 204632 | 17.475 ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.051 | 276 | 233757 | 20.893 ng | 99 |
| 88) Benzo(b)fluoranthene | 15.104 | 252 | 185574 | 21.056 ng | 99 |
| 89) Benzo(k)fluoranthene | 15.133 | 252 | 156588 | 18.201 ng | 99 |
| 90) Benzo(a)pyrene | 15.480 | 252 | 170053 | 20.162 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.068 | 278 | 195608 | 21.504 ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.504 | 276 | 191567 | 21.109 ng | 99 |

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

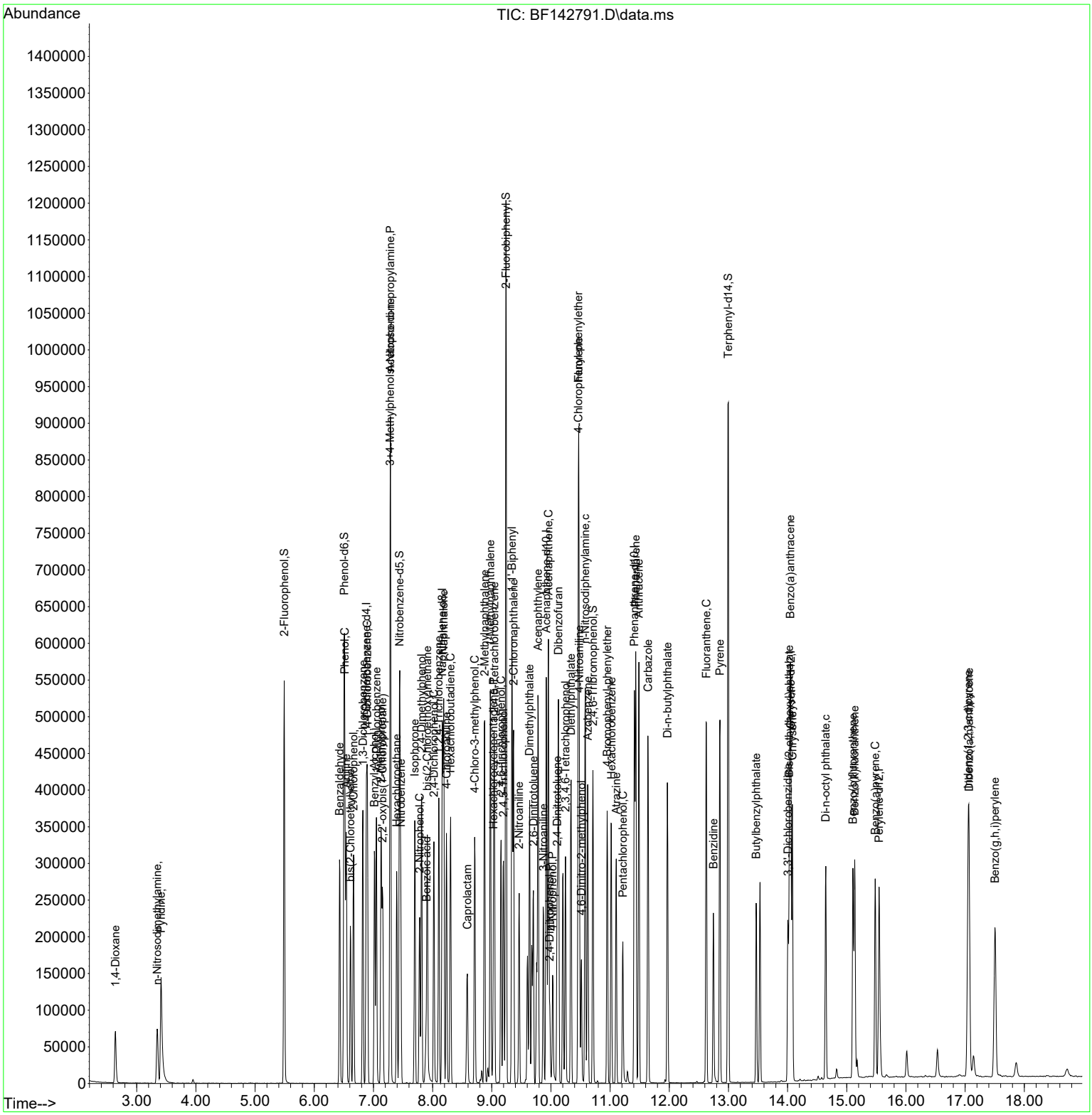
Quantitation Report (QT Reviewed)

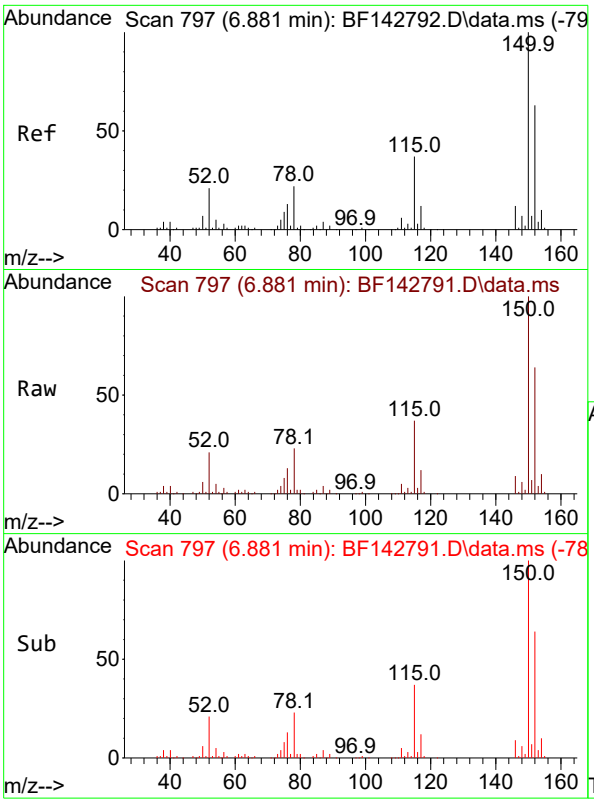
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142791.D
Acq On : 19 Jun 2025 18:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jun 20 04:39:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



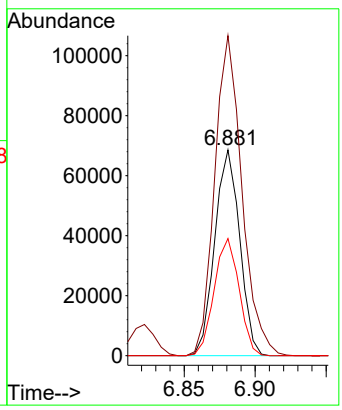


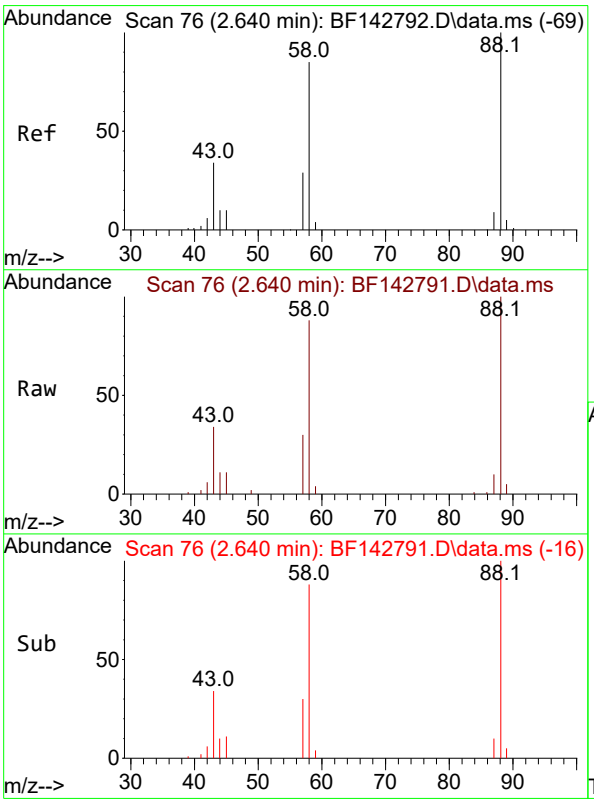

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:152 Resp: 83780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.5 | 127.2 | 190.8 |
| 115 | 56.9 | 46.6 | 69.8 |

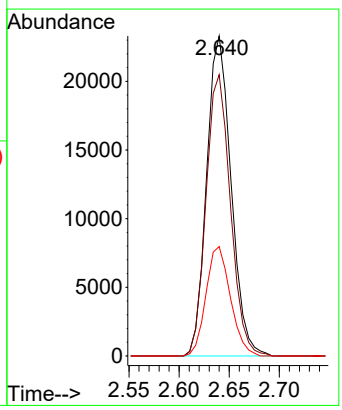


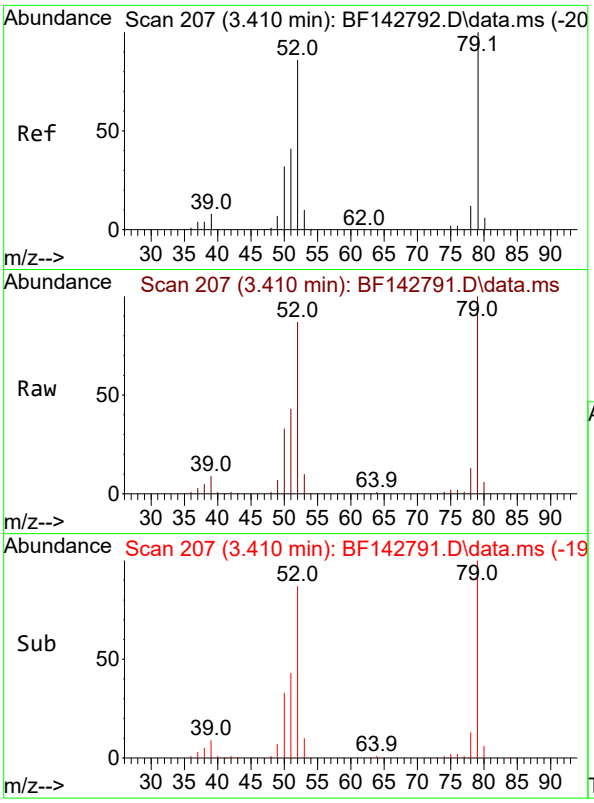




#2
1,4-Dioxane
Concen: 20.232 ng
RT: 2.640 min Scan# 76
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion: 88 Resp: 39464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 87.5 | 69.1 | 103.7 |
| 43 | 34.2 | 27.4 | 41.2 |



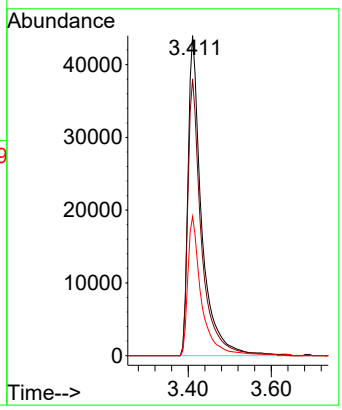


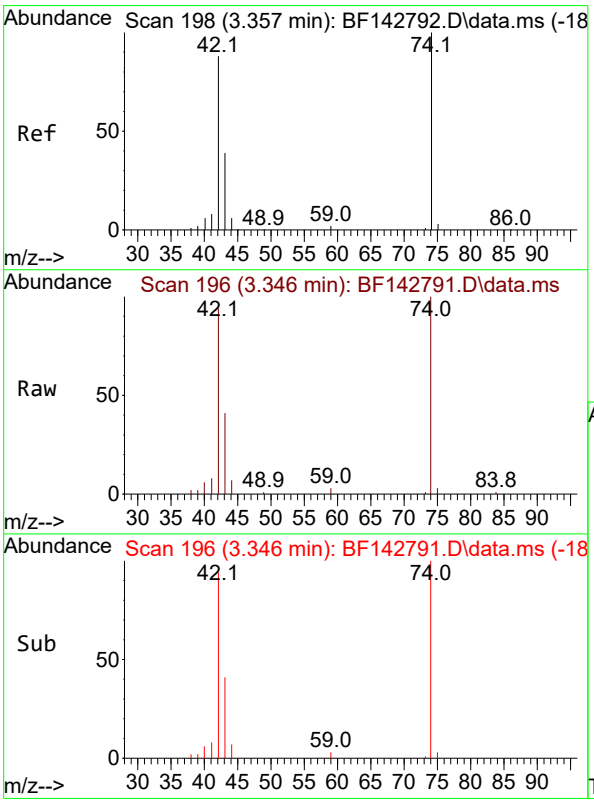

#3
Pyridine
Concen: 20.419 ng
RT: 3.410 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion: 79 Resp: 99721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 86.5 | 69.2 | 103.8 |
| 51 | 43.5 | 33.2 | 49.8 |

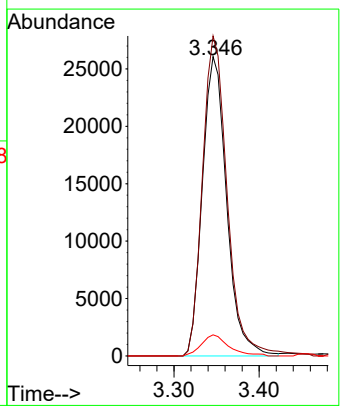


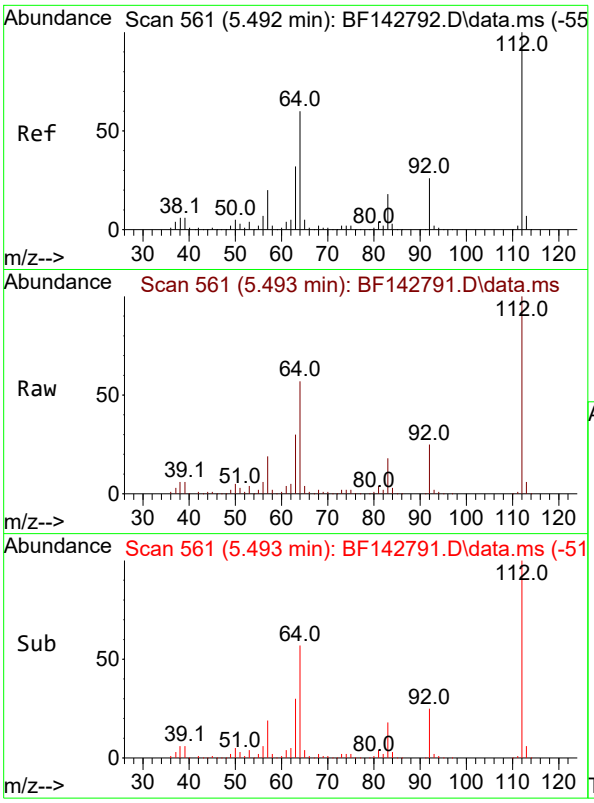




#4
n-Nitrosodimethylamine
Concen: 20.677 ng
RT: 3.346 min Scan# 196
Delta R.T. -0.012 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion: 42 Resp: 51716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 106.9 | 90.9 | 136.3 |
| 44 | 7.1 | 5.8 | 8.6 |



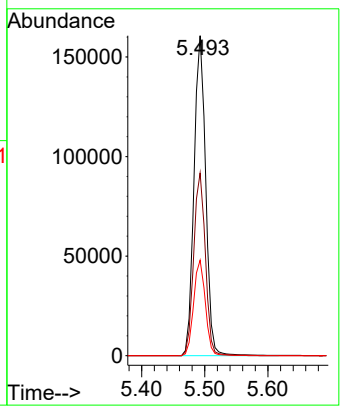


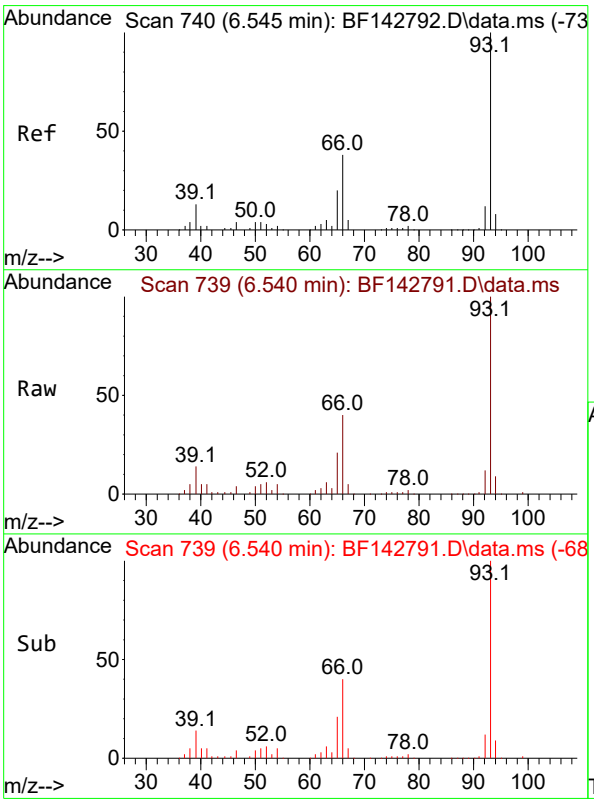

#5
2-Fluorophenol
Concen: 41.963 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:112 Resp: 206126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.1 | 48.2 | 72.2 |
| 63 | 29.9 | 25.7 | 38.5 |

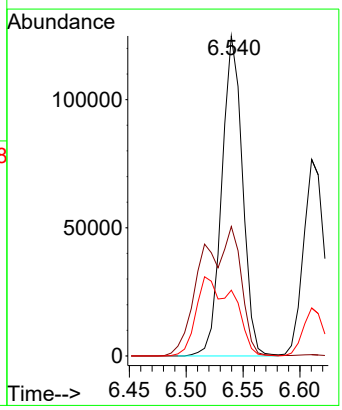


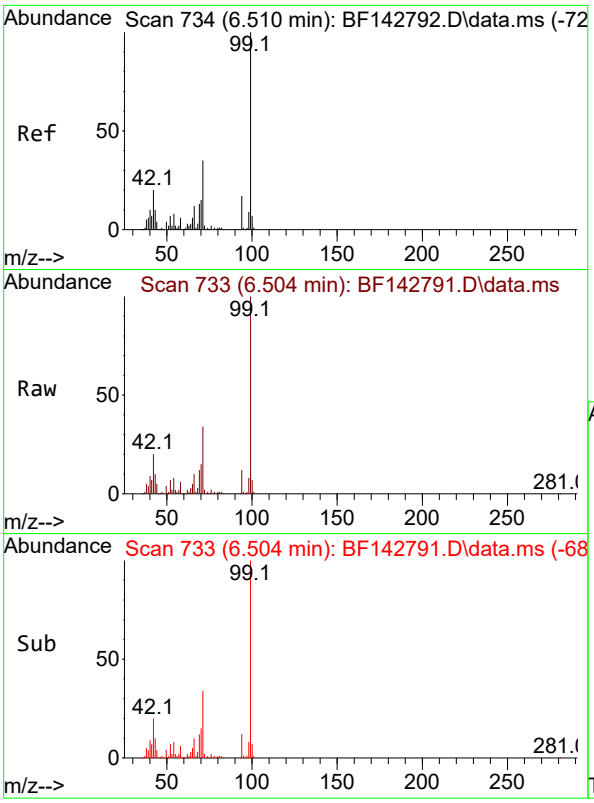




#6
Aniline
Concen: 20.499 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion: 93 Resp: 158463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.4 | 31.8 | 47.6 |
| 65 | 20.6 | 16.2 | 24.2 |



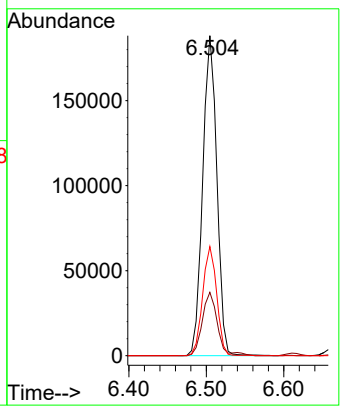


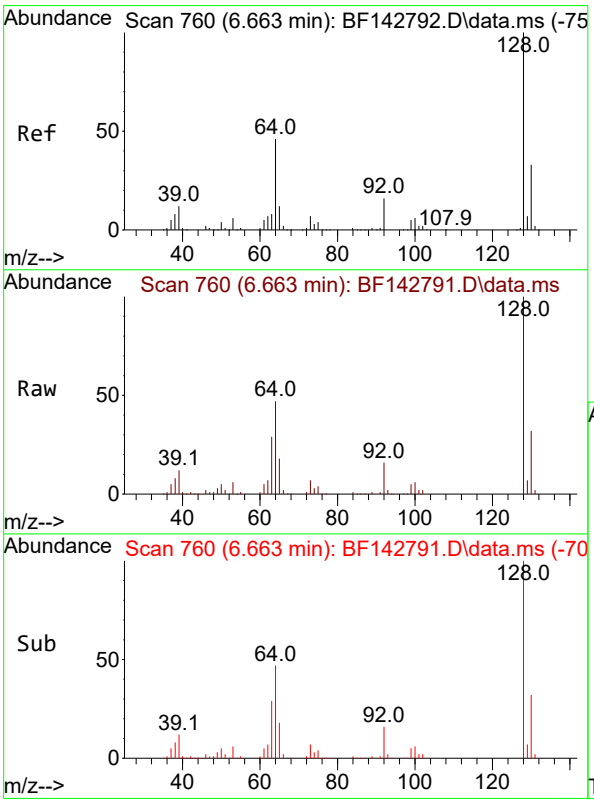

#7
Phenol-d6
Concen: 41.338 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion: 99 Resp: 238437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.8 | 15.9 | 23.9 |
| 71 | 34.1 | 27.8 | 41.8 |

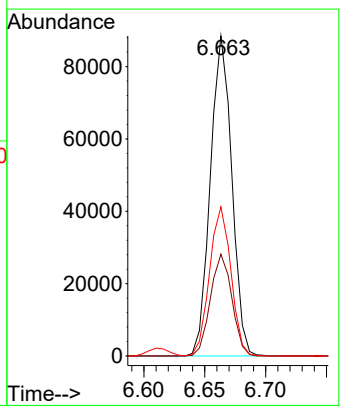


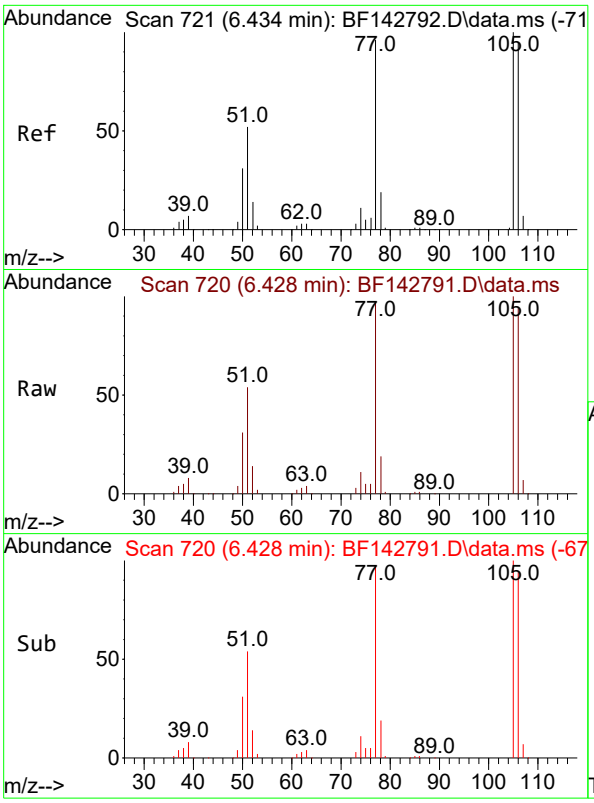




#8
2-Chlorophenol
Concen: 20.235 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:128 Resp: 108230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.8 | 12.7 | 52.7 |
| 64 | 46.6 | 26.5 | 66.5 |



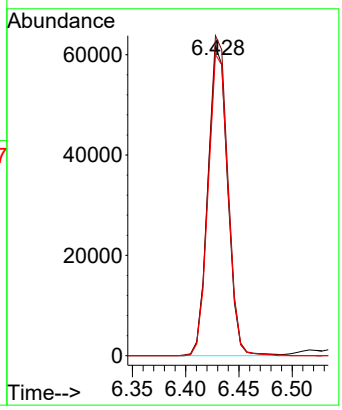


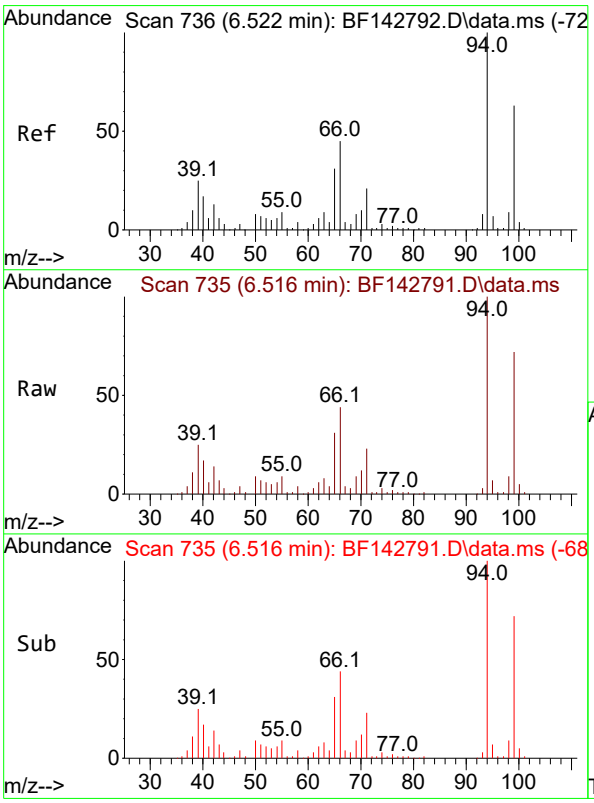

#9
Benzaldehyde
Concen: 22.467 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion: 77 Resp: 79008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 103.4 | 83.8 | 123.8 |
| 106 | 97.4 | 78.7 | 118.7 |

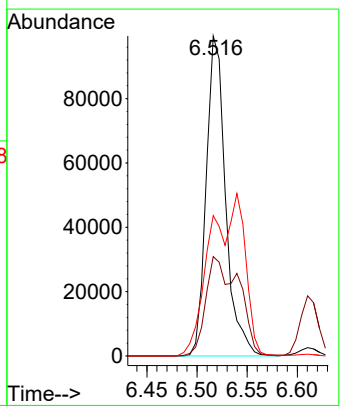


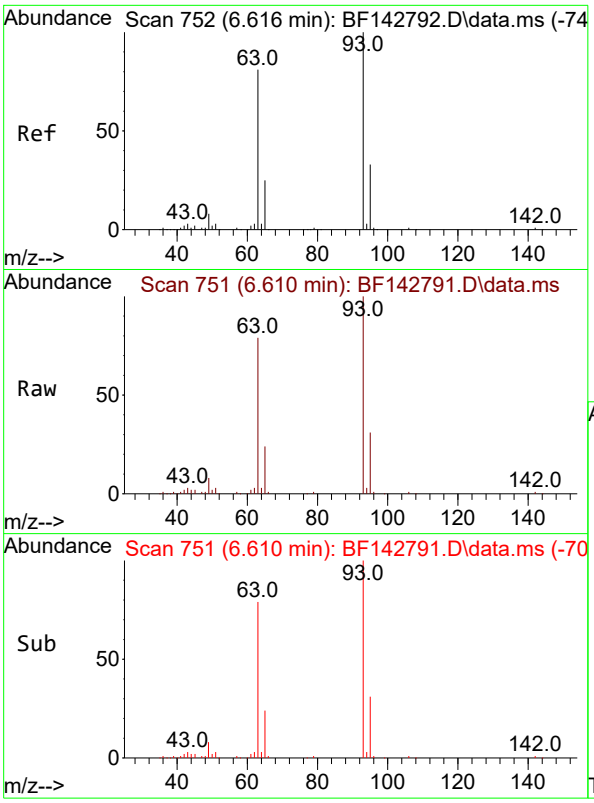




#10
Phenol
Concen: 20.730 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion: 94 Resp: 133318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 31.0 | 11.3 | 51.3 |
| 66 | 43.8 | 24.9 | 64.9 |



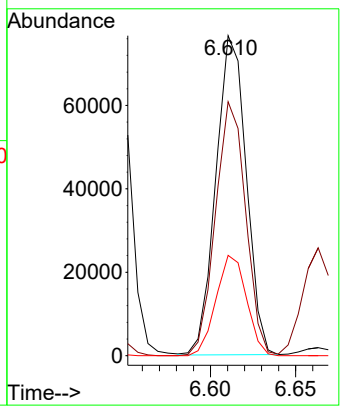


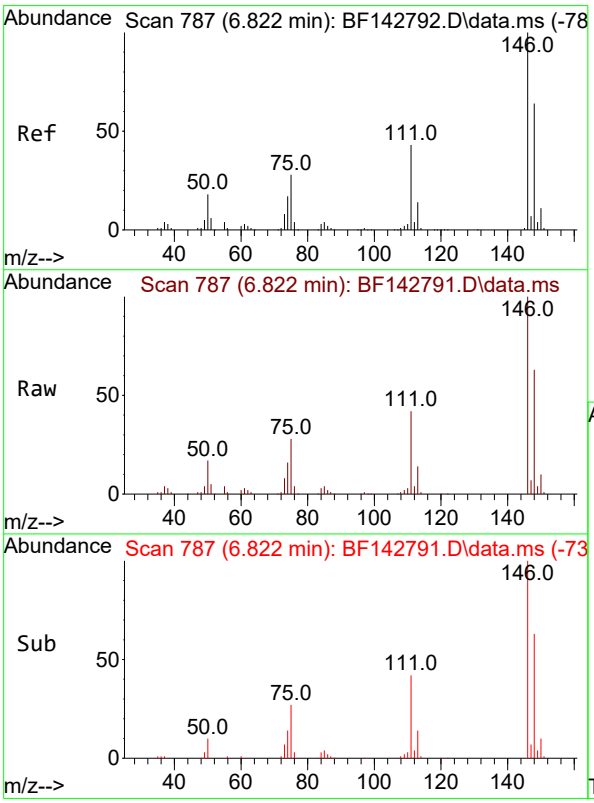

#11
bis(2-Chloroethyl)ether
Concen: 19.905 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion: 93 Resp: 94972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 79.3 | 60.3 | 100.3 |
| 95 | 31.3 | 12.5 | 52.5 |

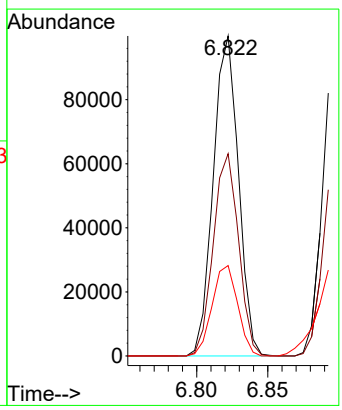


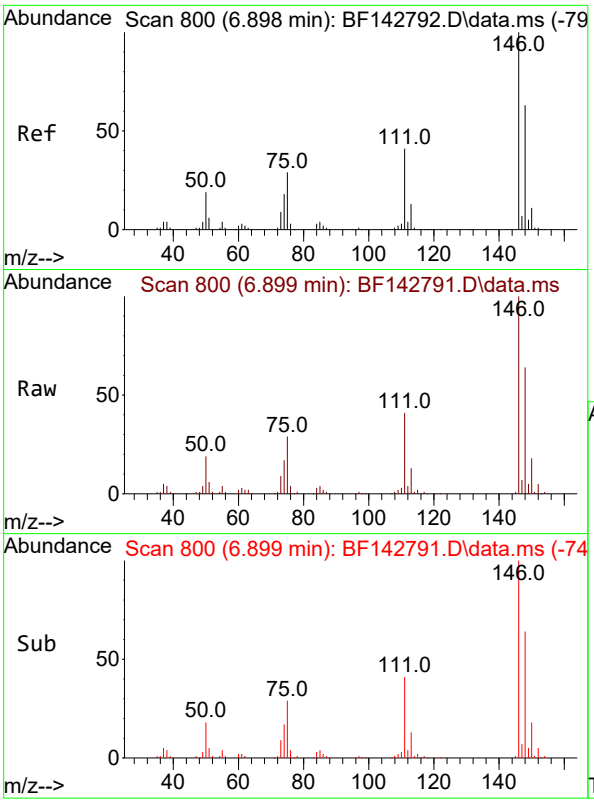




#12
1,3-Dichlorobenzene
Concen: 20.218 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:146 Resp: 123139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.2 | 51.1 | 76.7 |
| 75 | 28.2 | 22.7 | 34.1 |



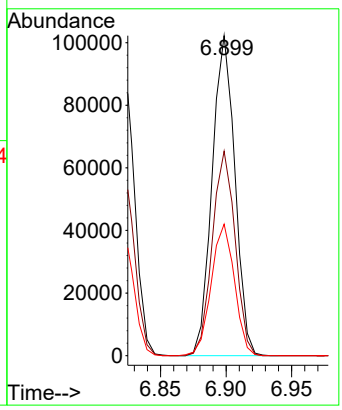


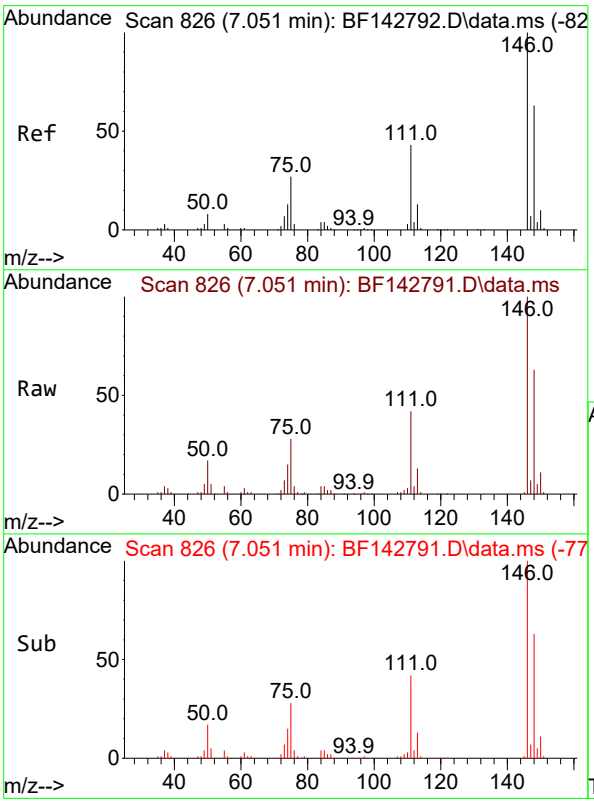

#13
1,4-Dichlorobenzene
Concen: 19.980 ng
RT: 6.899 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:146 Resp: 123337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 50.2 | 75.2 |
| 111 | 41.1 | 33.2 | 49.8 |

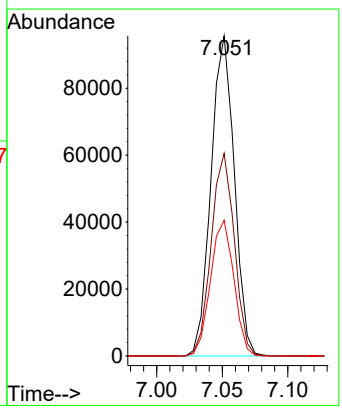


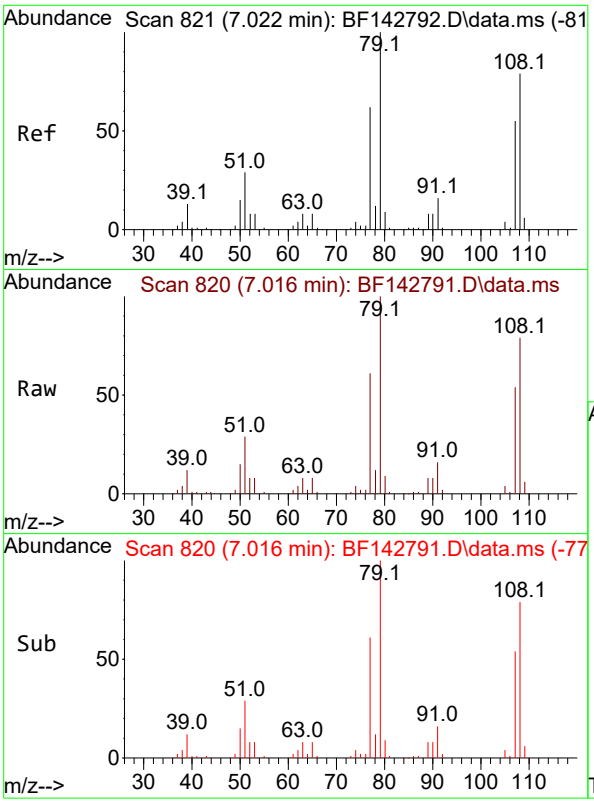




#14
1,2-Dichlorobenzene
Concen: 20.001 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:146 Resp: 118033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 50.4 | 75.6 |
| 111 | 42.4 | 34.1 | 51.1 |



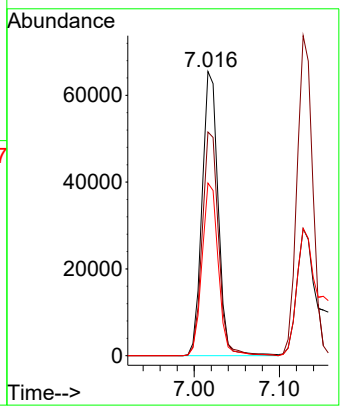


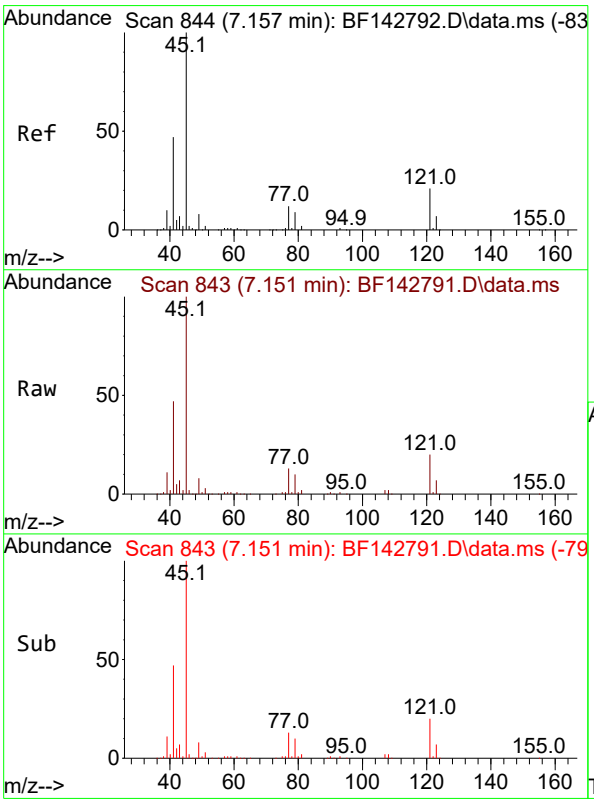

#15
Benzyl Alcohol
Concen: 19.885 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion: 79 Resp: 85856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 78.7 | 63.4 | 95.0 |
| 77 | 60.8 | 49.5 | 74.3 |

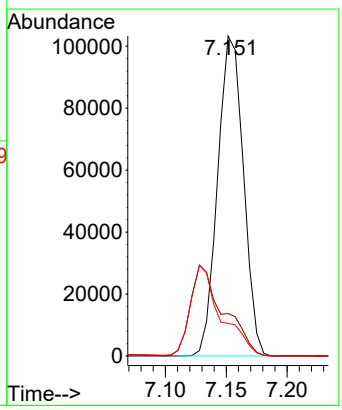


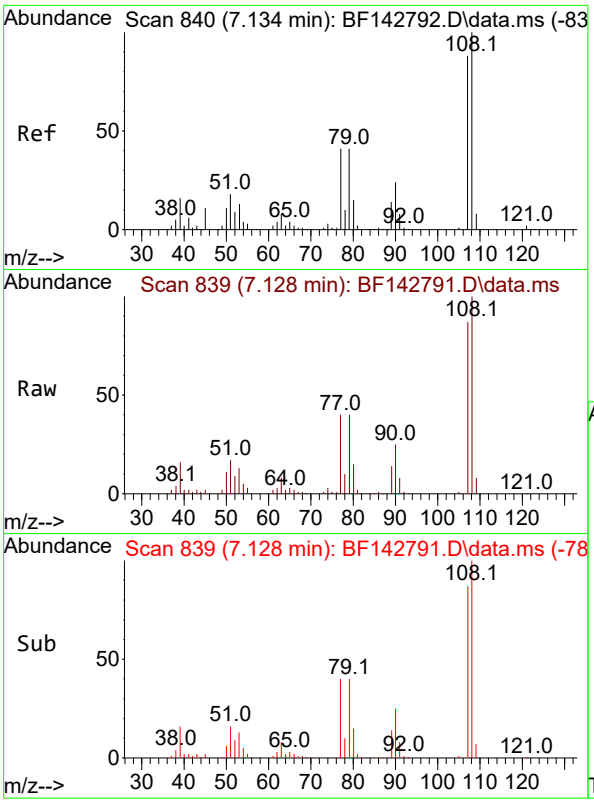




#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.224 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion: 45 Resp: 152035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.2 | 0.0 | 32.8 |
| 79 | 10.2 | 0.0 | 29.8 |



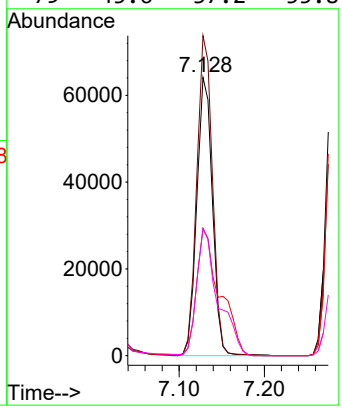


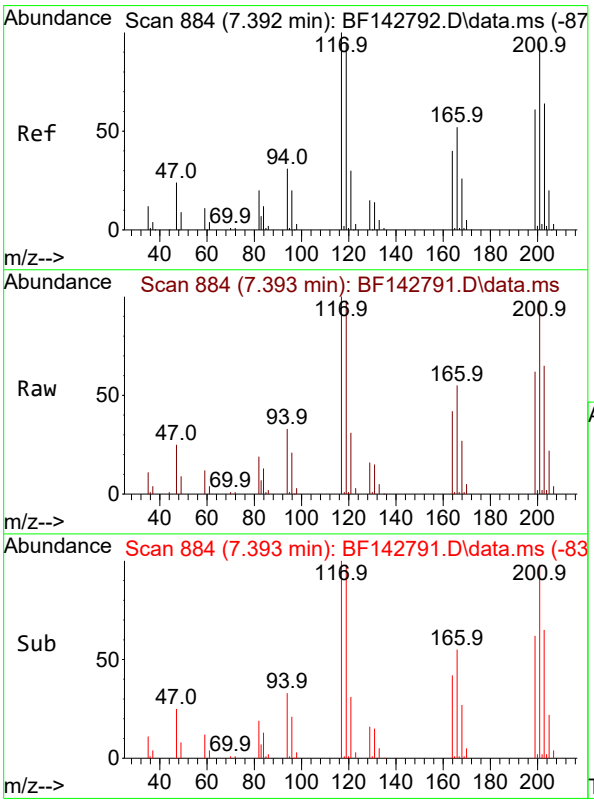

#17
2-Methylphenol
Concen: 20.077 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:107 Resp: 82097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 115.0 | 90.9 | 136.3 |
| 77 | 45.7 | 37.3 | 55.9 |
| 79 | 45.6 | 37.2 | 55.8 |

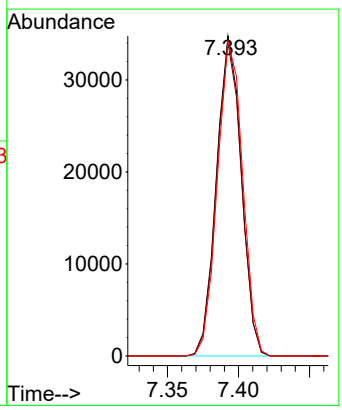


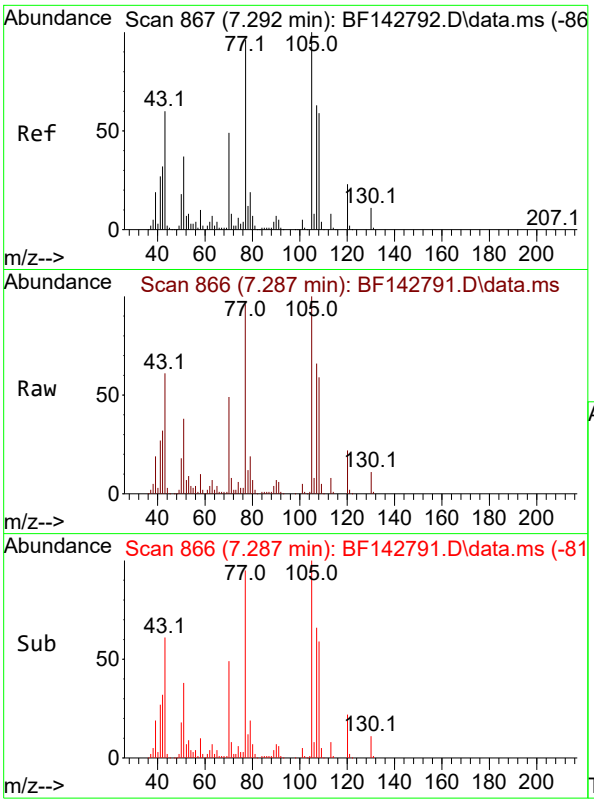




#18
Hexachloroethane
Concen: 19.229 ng
RT: 7.393 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:117 Resp: 42435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.9 | 75.4 | 113.0 |
| 201 | 98.3 | 75.9 | 113.9 |



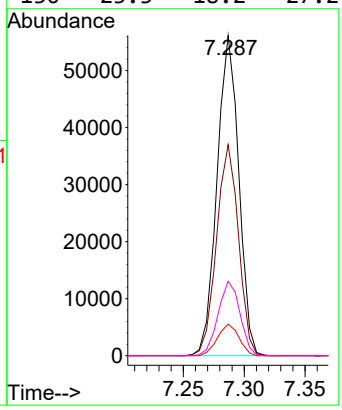


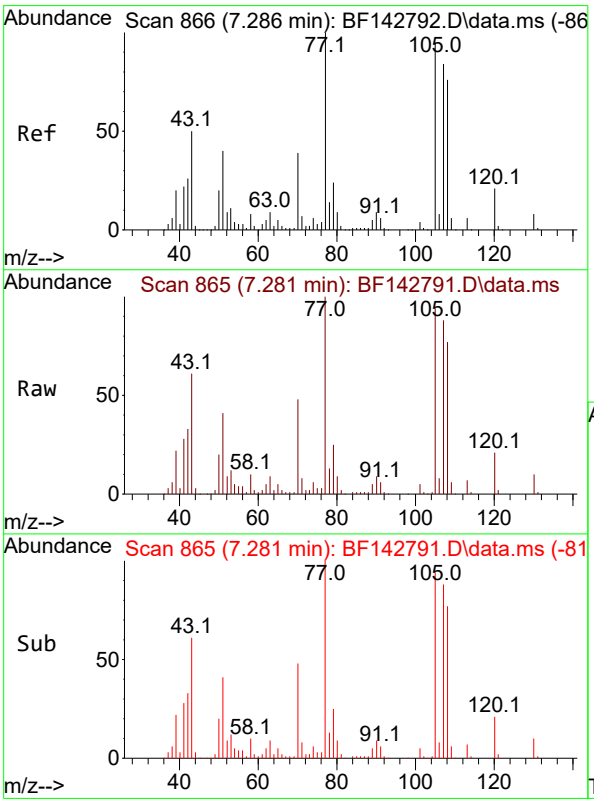

#19
n-Nitroso-di-n-propylamine
Concen: 19.178 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion: 70 Resp: 69761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 65.9 | 52.1 | 78.1 |
| 101 | 9.8 | 8.2 | 12.2 |
| 130 | 23.3 | 18.2 | 27.2 |

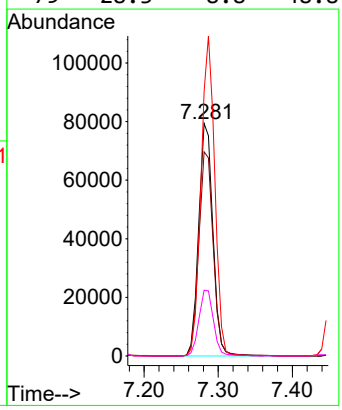


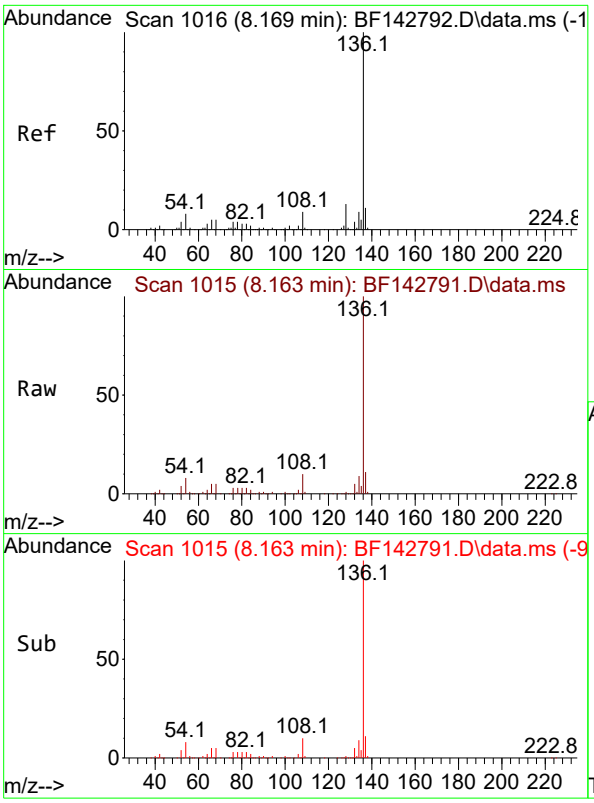




#20
3+4-Methylphenols
Concen: 20.547 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:107 Resp: 105750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 87.9 | 70.0 | 110.0 |
| 77 | 113.9 | 98.5 | 138.5 |
| 79 | 28.3 | 8.8 | 48.8 |



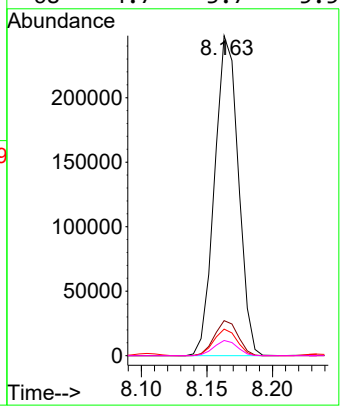


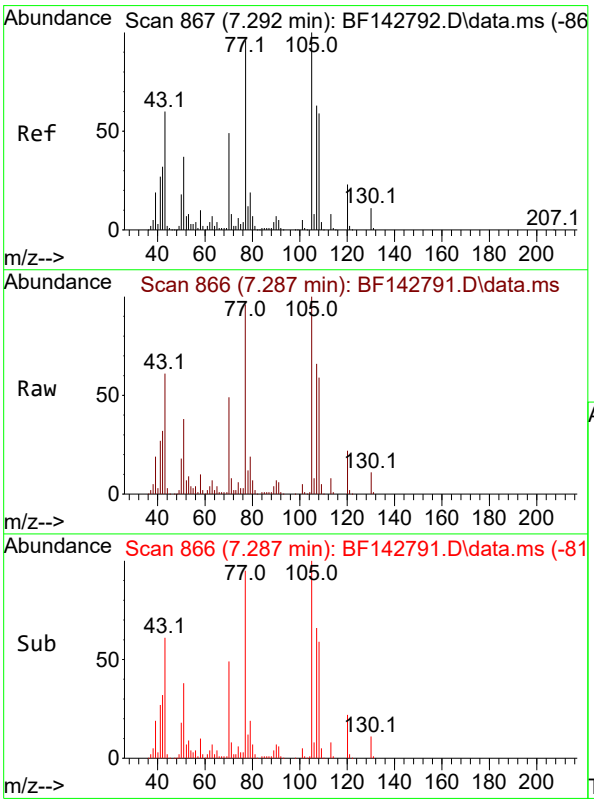

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:136 Resp: 312367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.4 | 12.6 |
| 54 | 8.3 | 6.3 | 9.5 |
| 68 | 4.7 | 3.7 | 5.5 |

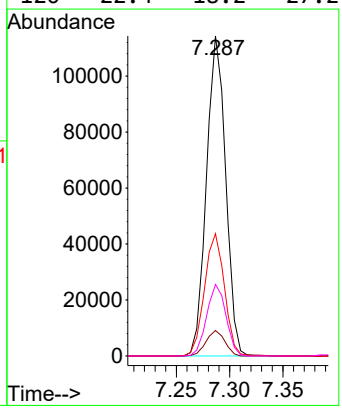


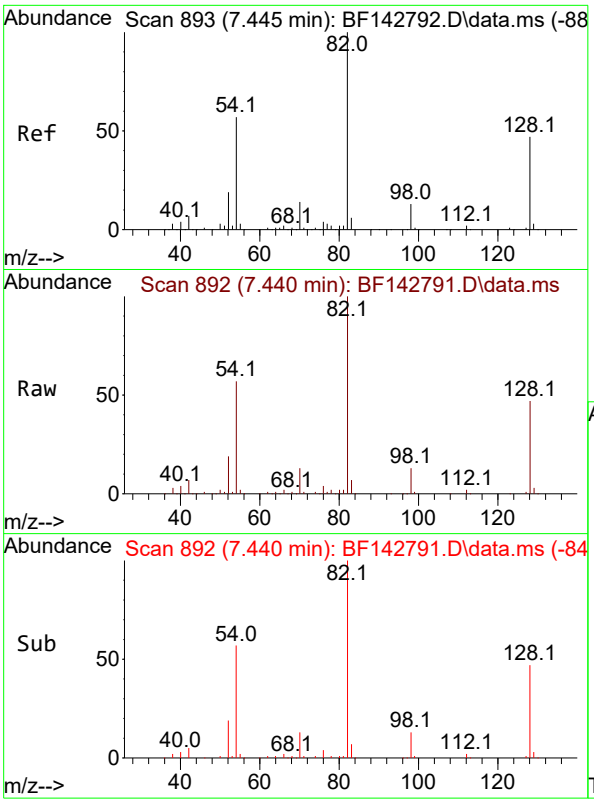




#22
Acetophenone
Concen: 20.730 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:105 Resp: 143274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.0 | 6.5 | 9.7 |
| 51 | 38.2 | 29.8 | 44.8 |
| 120 | 22.4 | 18.2 | 27.2 |



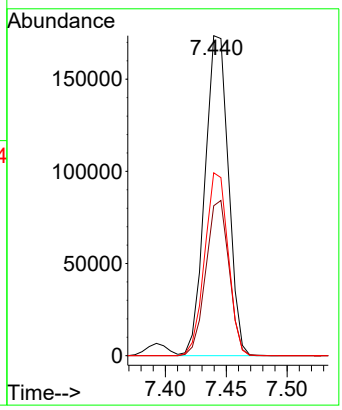


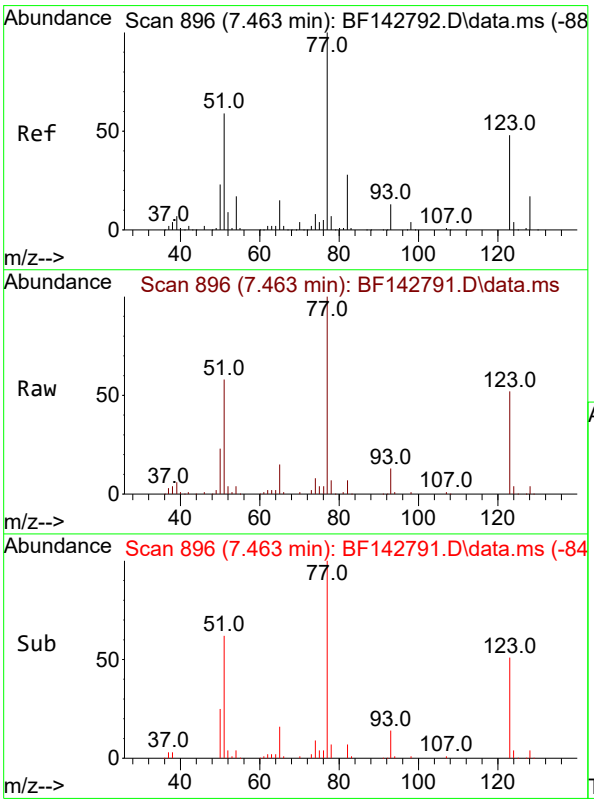

#23
Nitrobenzene-d5
Concen: 40.933 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion: 82 Resp: 233268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.8 | 37.7 | 56.5 |
| 54 | 57.1 | 45.7 | 68.5 |

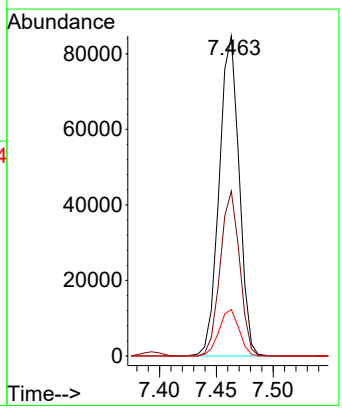


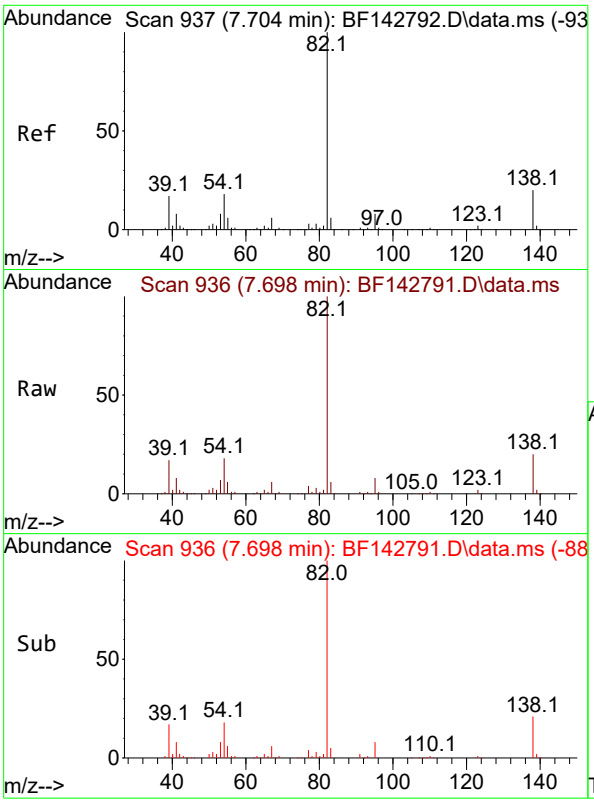




#24
Nitrobenzene
Concen: 20.450 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion: 77 Resp: 103569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 51.6 | 39.2 | 58.8 |
| 65 | 14.5 | 11.6 | 17.4 |



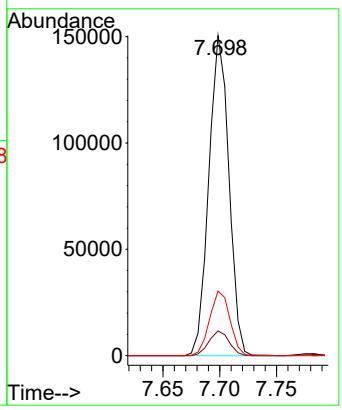


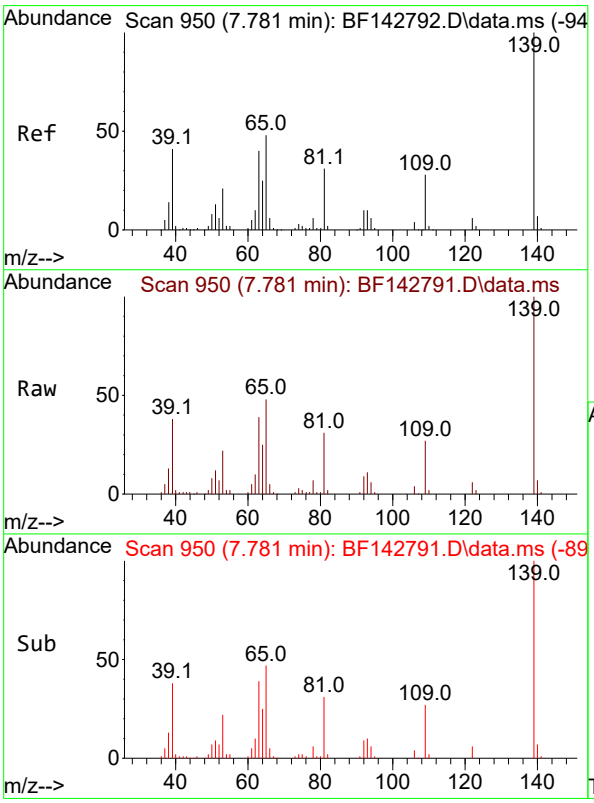

#25
Isophorone
Concen: 19.365 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion: 82 Resp: 185071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.8 | 6.2 | 9.2 |
| 138 | 20.2 | 16.2 | 24.4 |

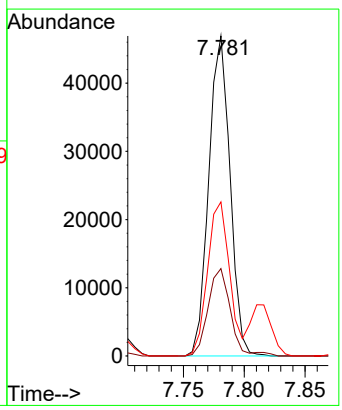


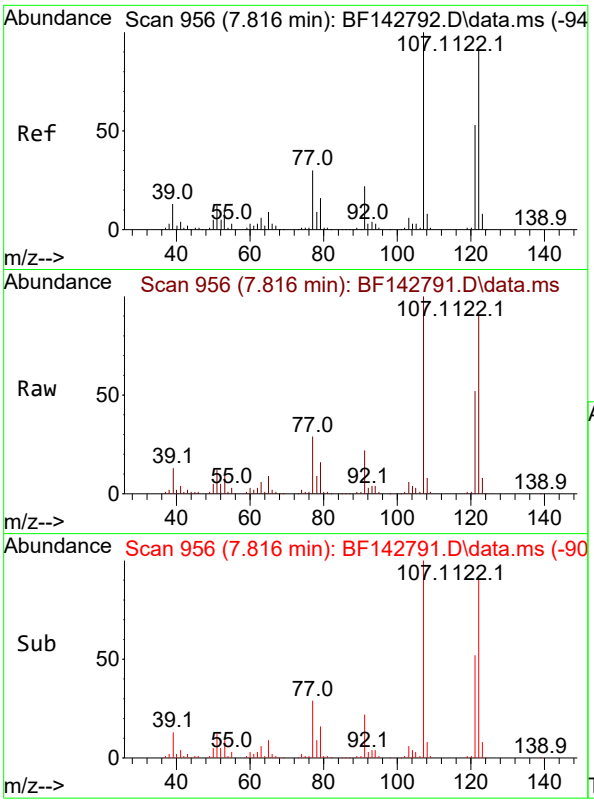




#26
2-Nitrophenol
Concen: 20.191 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:139 Resp: 56979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 27.3 | 22.7 | 34.1 |
| 65 | 48.2 | 38.6 | 58.0 |



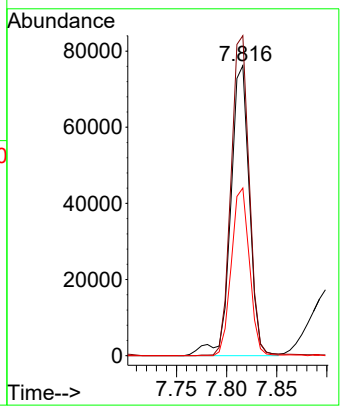


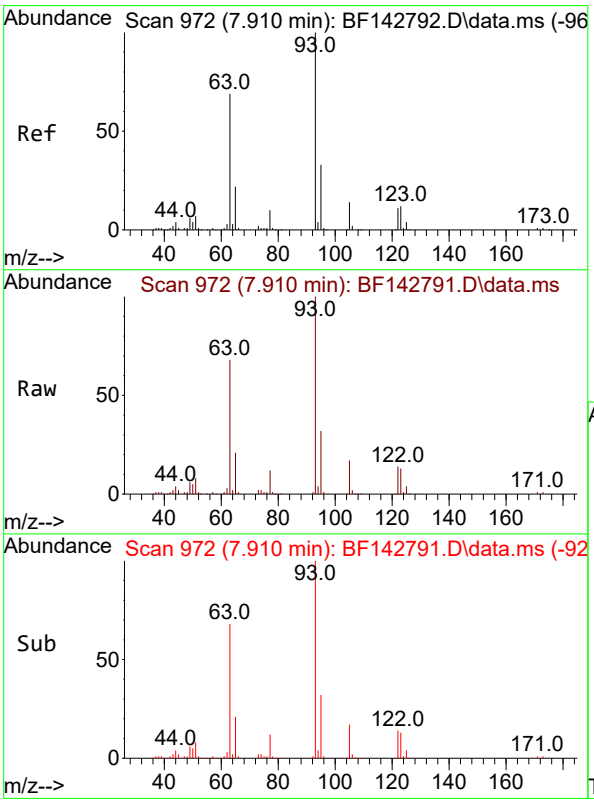

#27
2,4-Dimethylphenol
Concen: 20.659 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:122 Resp: 99256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 110.3 | 88.0 | 132.0 |
| 121 | 57.8 | 46.3 | 69.5 |

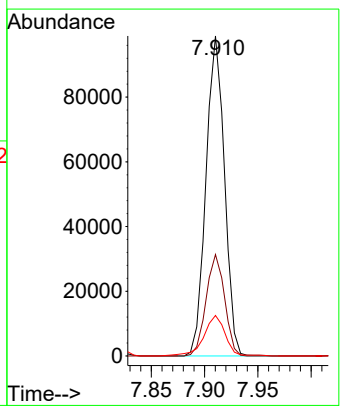


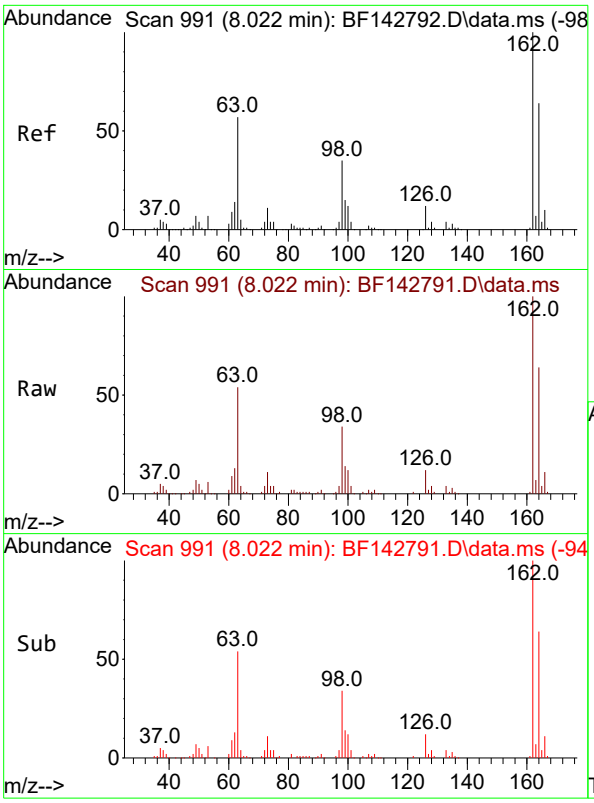




#28
bis(2-Chloroethoxy)methane
Concen: 20.087 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion: 93 Resp: 119505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 31.7 | 26.2 | 39.2 |
| 123 | 12.6 | 9.9 | 14.9 |



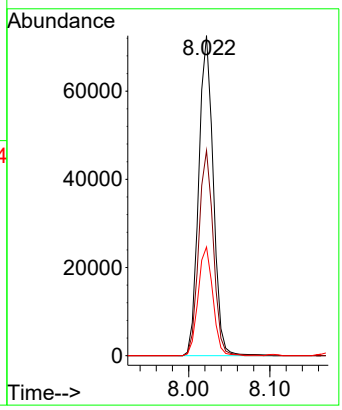


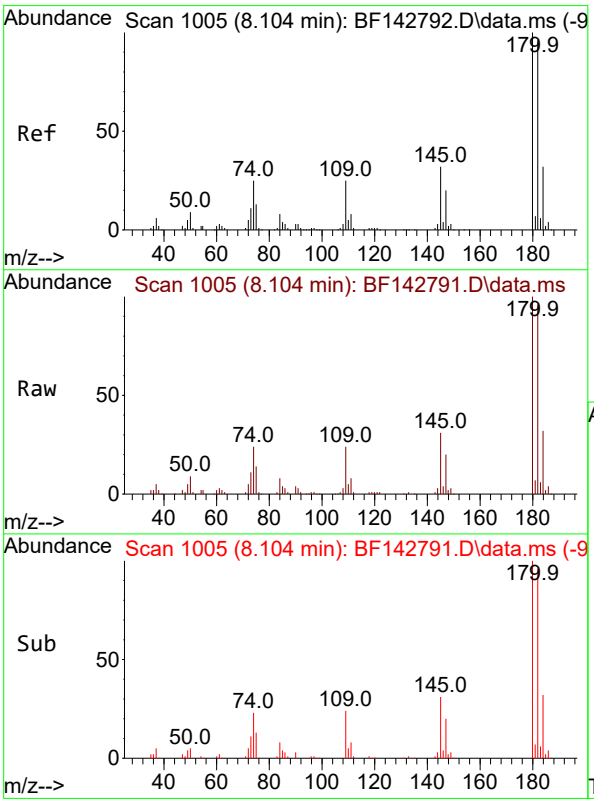

#29
2,4-Dichlorophenol
Concen: 20.437 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:162 Resp: 90497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.1 | 44.0 | 84.0 |
| 98 | 33.9 | 15.4 | 55.4 |

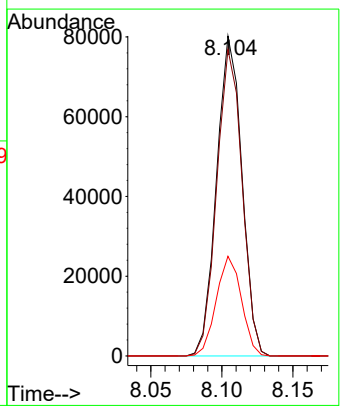


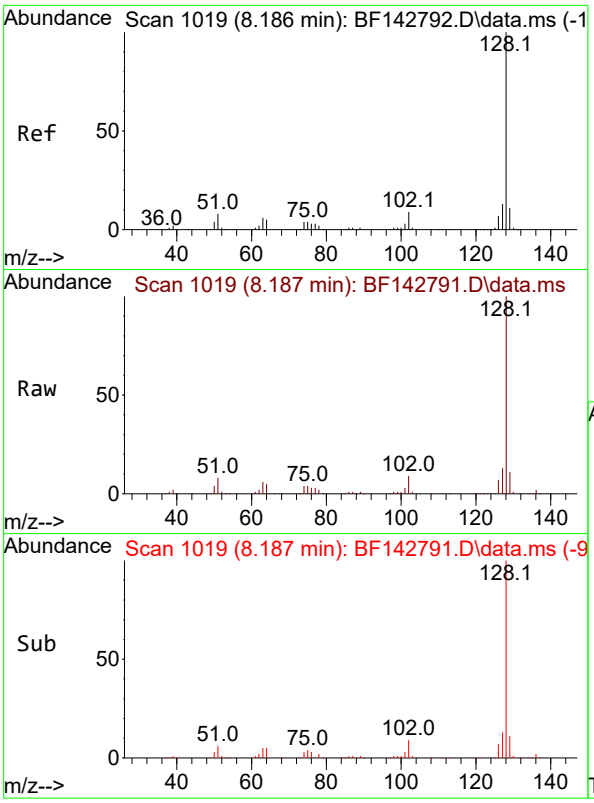




#30
1,2,4-Trichlorobenzene
Concen: 20.304 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:180 Resp: 99320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.8 | 76.4 | 114.6 |
| 145 | 31.2 | 25.8 | 38.8 |



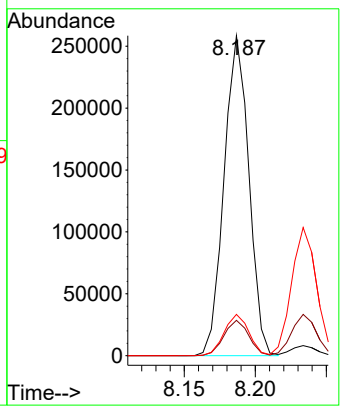


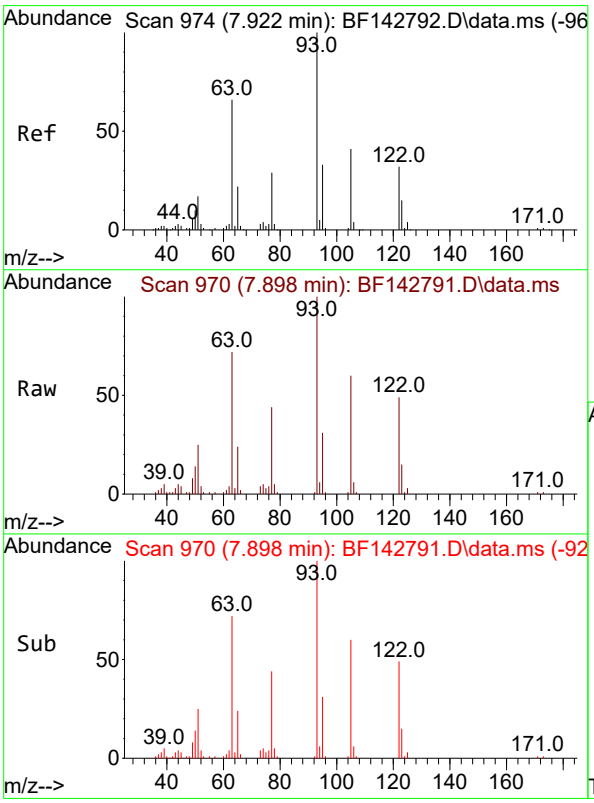

#31
Naphthalene
Concen: 20.405 ng
RT: 8.187 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:128 Resp: 313467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.9 | 13.3 |
| 127 | 12.9 | 10.4 | 15.6 |

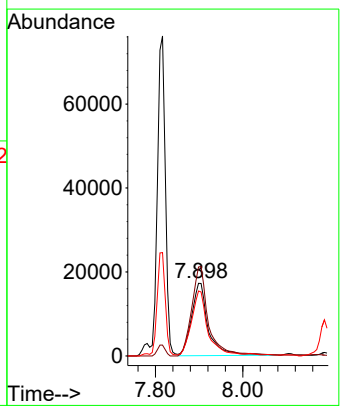


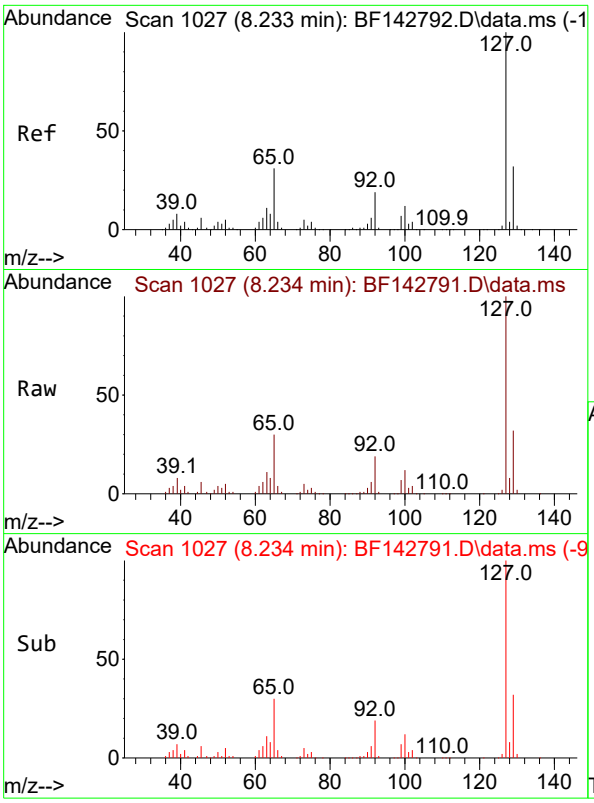




#32
Benzoic acid
Concen: 17.245 ng
RT: 7.898 min Scan# 970
Delta R.T. -0.023 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:122 Resp: 45969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 122.5 | 104.7 | 144.7 |
| 77 | 89.4 | 70.2 | 110.2 |



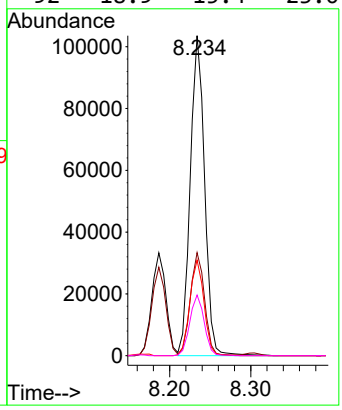


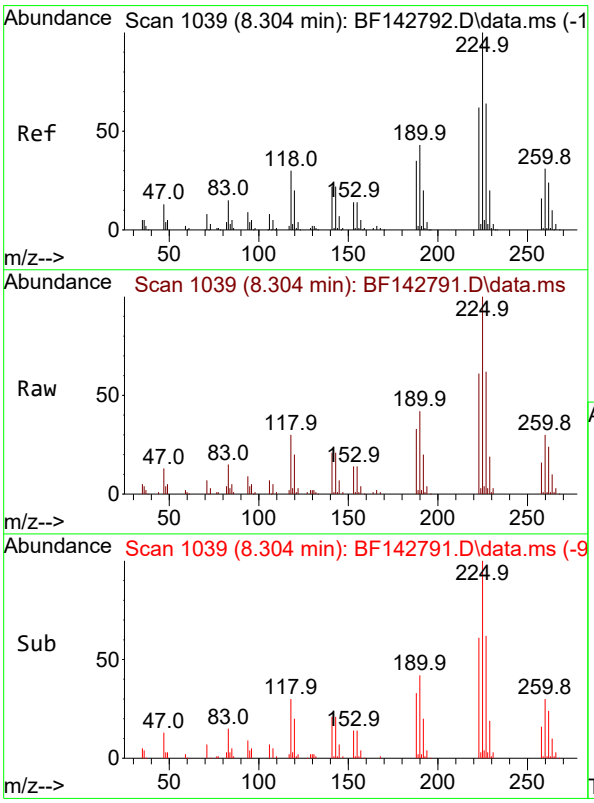

#33
4-Chloroaniline
Concen: 20.729 ng
RT: 8.234 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:127 Resp: 127623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.2 | 25.9 | 38.9 |
| 65 | 29.8 | 24.6 | 36.8 |
| 92 | 18.9 | 15.4 | 23.0 |

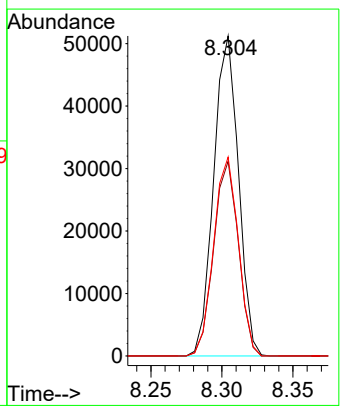


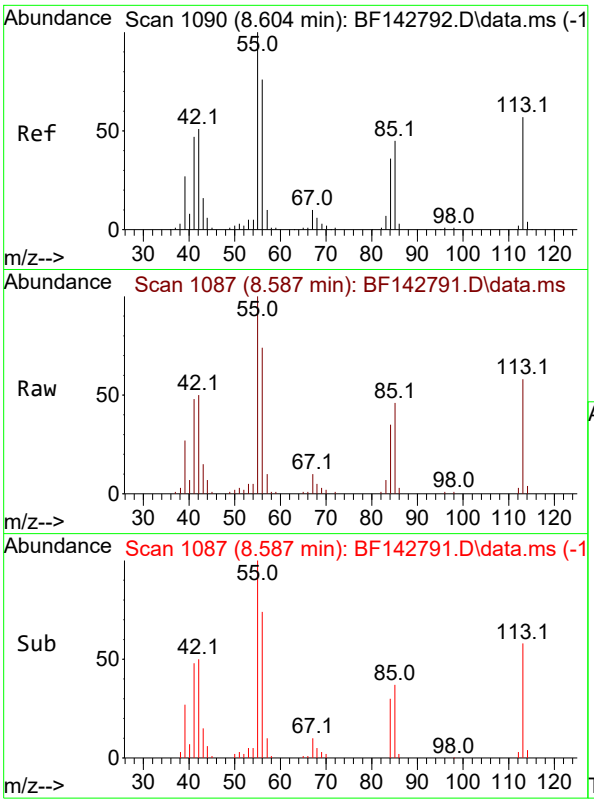




#34
Hexachlorobutadiene
Concen: 20.001 ng
RT: 8.304 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:225 Resp: 61994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 60.8 | 49.9 | 74.9 |
| 227 | 62.2 | 51.4 | 77.0 |



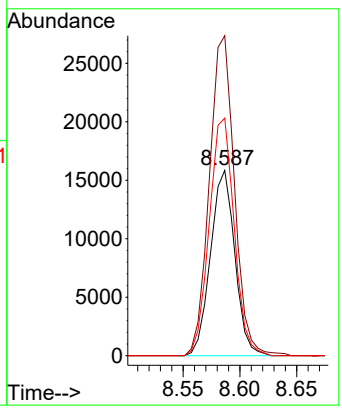


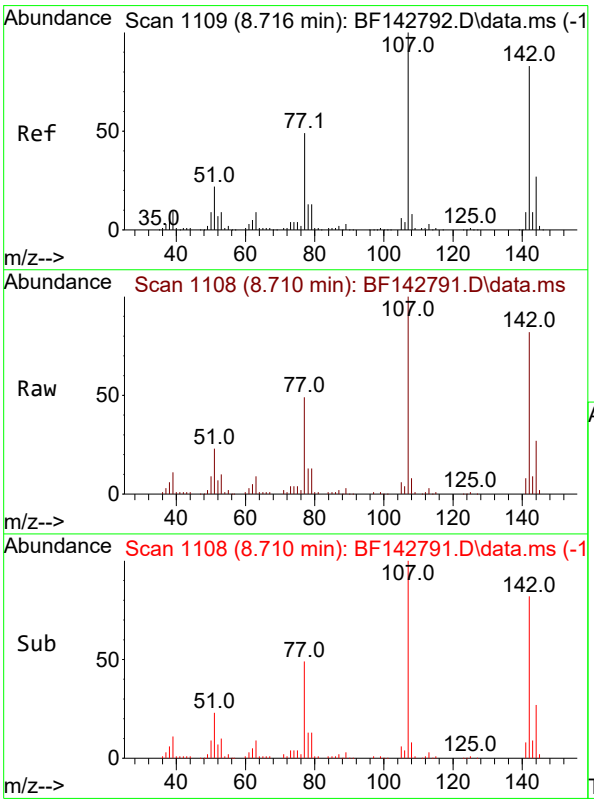

#35
Caprolactam
Concen: 19.769 ng
RT: 8.587 min Scan# 1(
Delta R.T. -0.017 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:113 Resp: 23555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 172.7 | 154.4 | 194.4 |
| 56 | 128.3 | 112.1 | 152.1 |

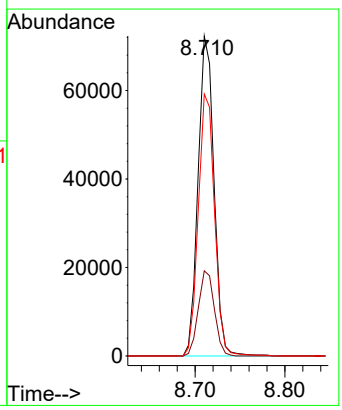


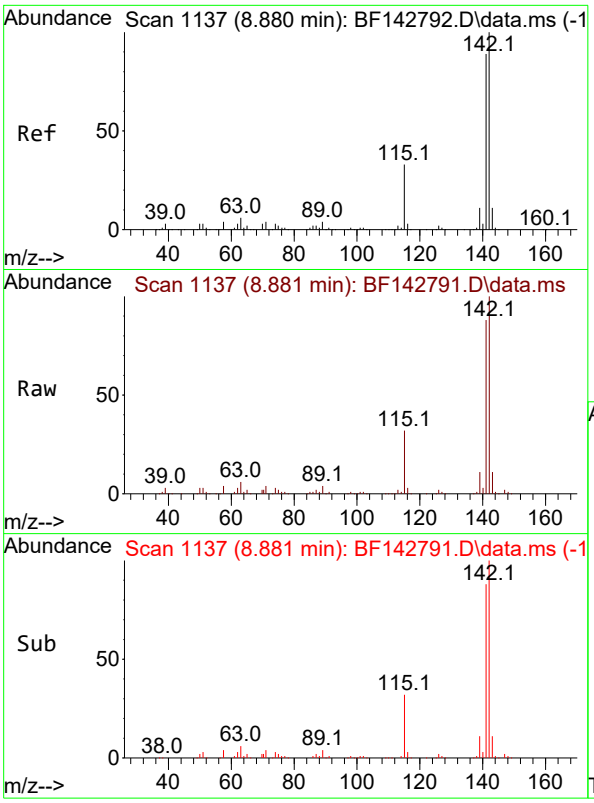




#36
4-Chloro-3-methylphenol
Concen: 19.518 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:107 Resp: 89279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.6 | 21.3 | 31.9 |
| 142 | 81.8 | 66.6 | 100.0 |



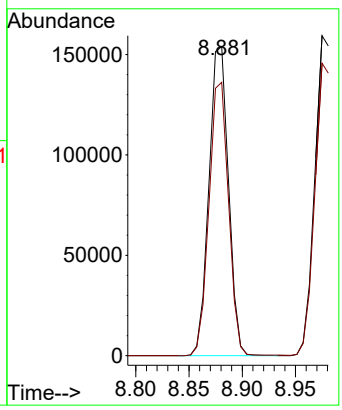


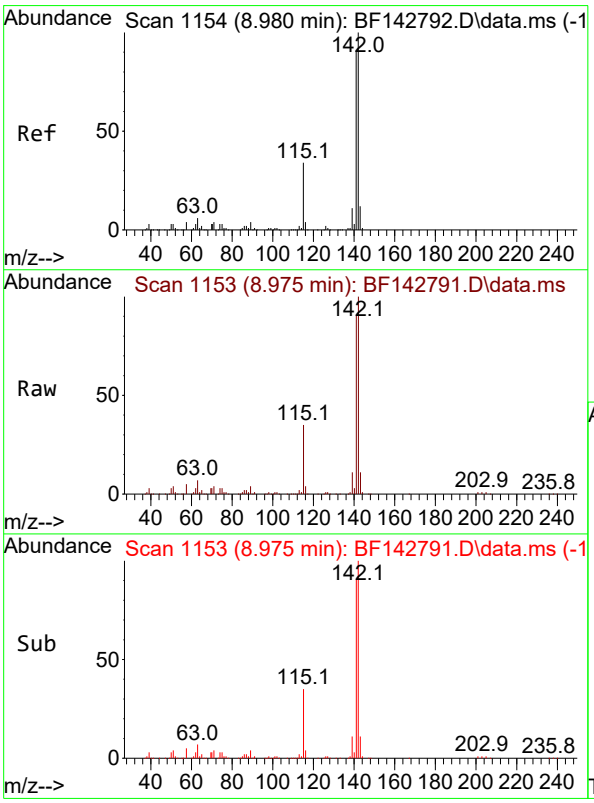

#37
2-Methylnaphthalene
Concen: 20.287 ng
RT: 8.881 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:142 Resp: 196609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.5 | 70.9 | 106.3 |

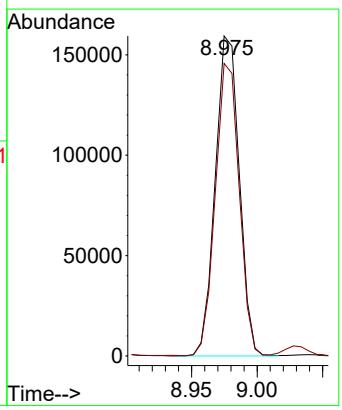


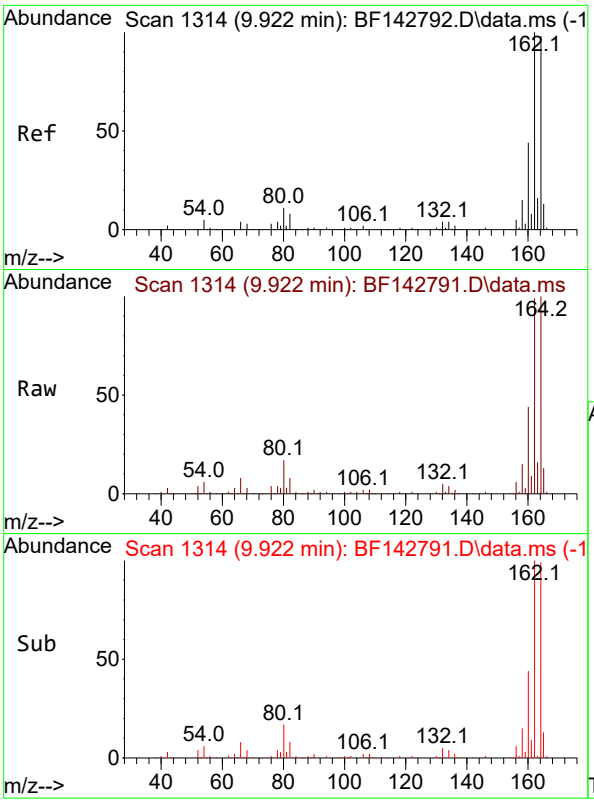




#38
1-Methylnaphthalene
Concen: 20.165 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:142 Resp: 202898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.4 | 73.0 | 109.4 |



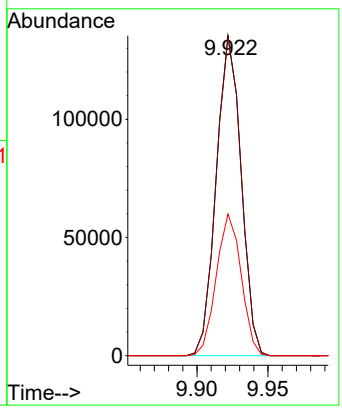


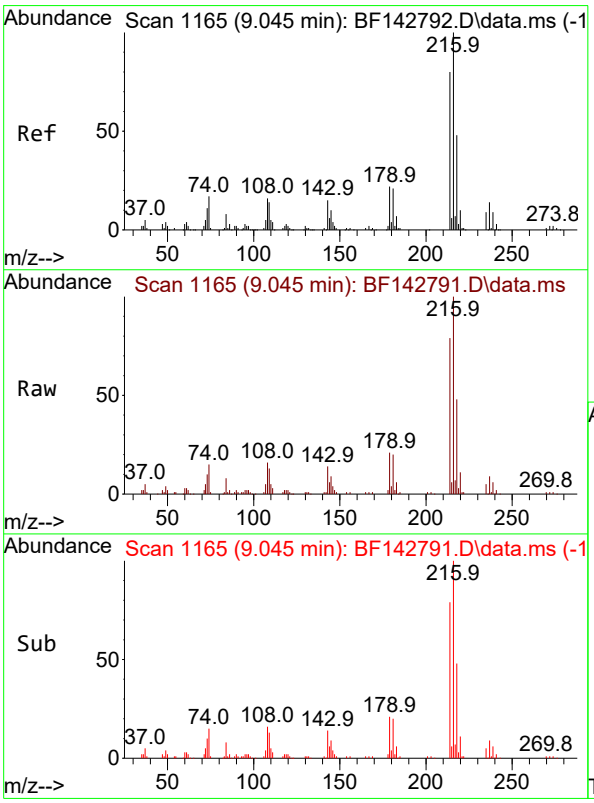

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:164 Resp: 164603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.4 | 81.8 | 122.8 |
| 160 | 44.2 | 36.0 | 54.0 |

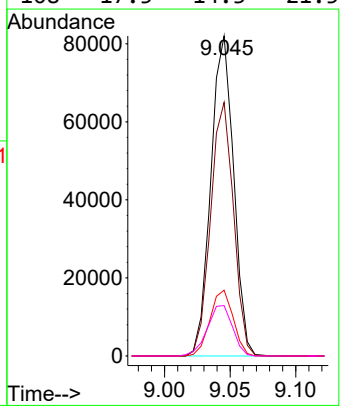


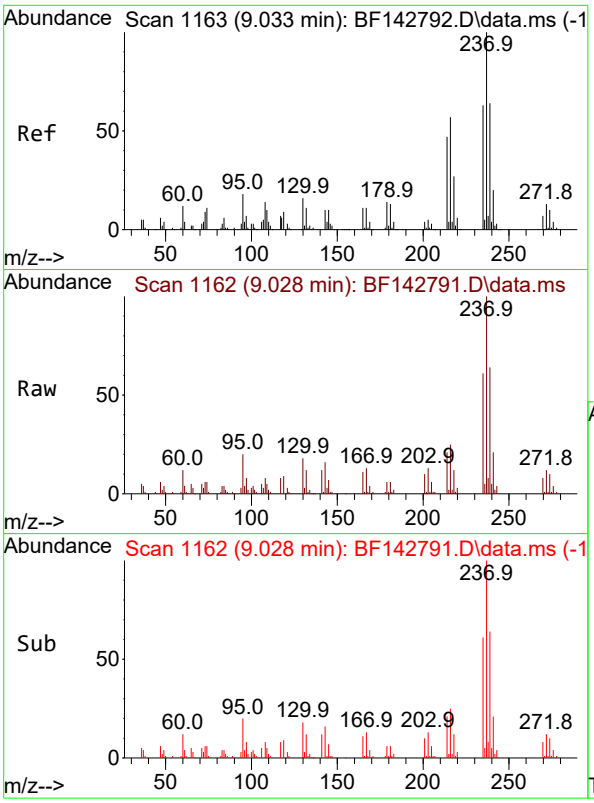




#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.857 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:216 Resp: 99104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.4 | 63.7 | 95.5 |
| 179 | 20.9 | 17.6 | 26.4 |
| 108 | 17.5 | 14.3 | 21.5 |



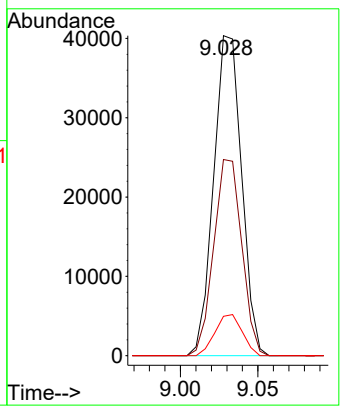


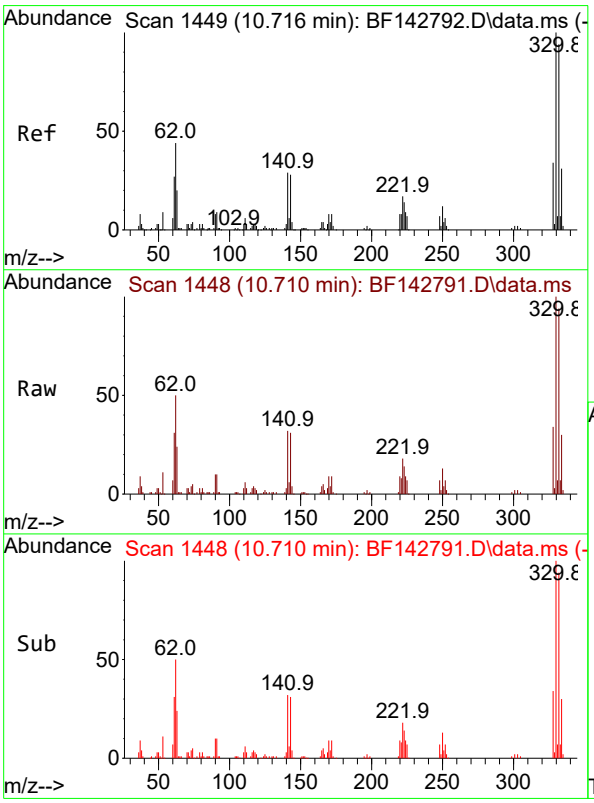

#41
Hexachlorocyclopentadiene
Concen: 16.864 ng
RT: 9.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:237 Resp: 50669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.3 | 43.4 | 83.4 |
| 272 | 12.3 | 0.0 | 32.7 |

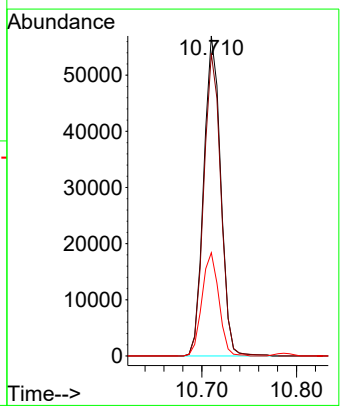


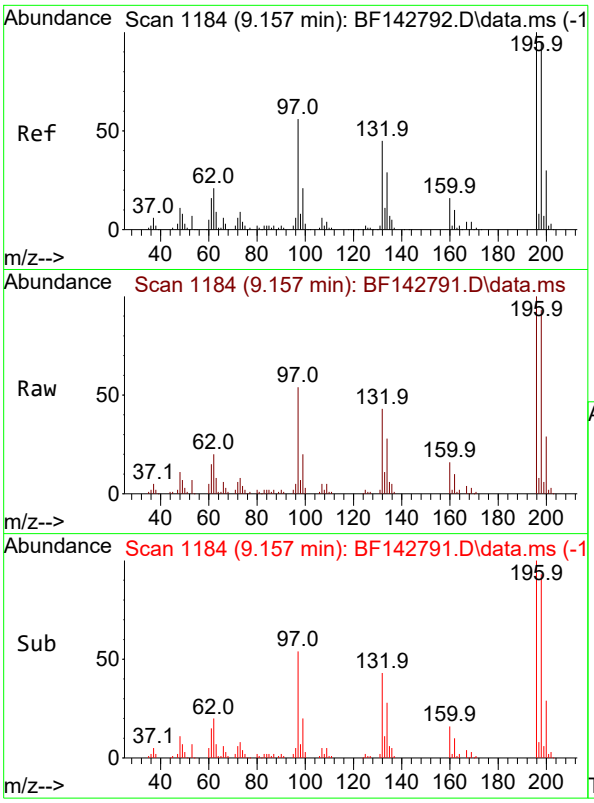




#42
2,4,6-Tribromophenol
Concen: 39.411 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:330 Resp: 70502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.1 | 75.0 | 112.6 |
| 141 | 32.1 | 25.3 | 37.9 |



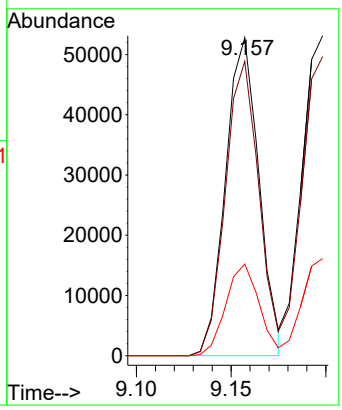


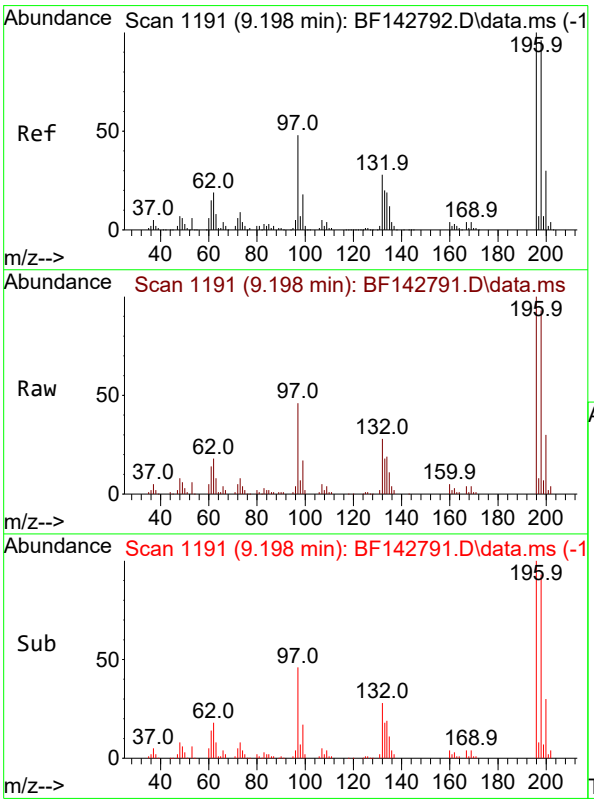

#43
2,4,6-Trichlorophenol
Concen: 21.069 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:196 Resp: 64786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 92.6 | 76.2 | 114.2 |
| 200 | 28.9 | 24.1 | 36.1 |

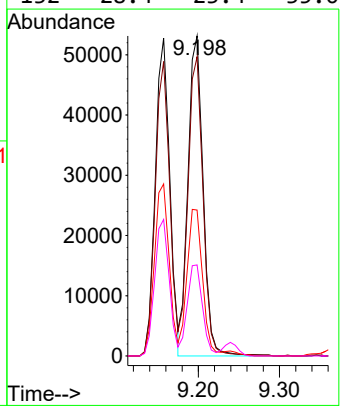


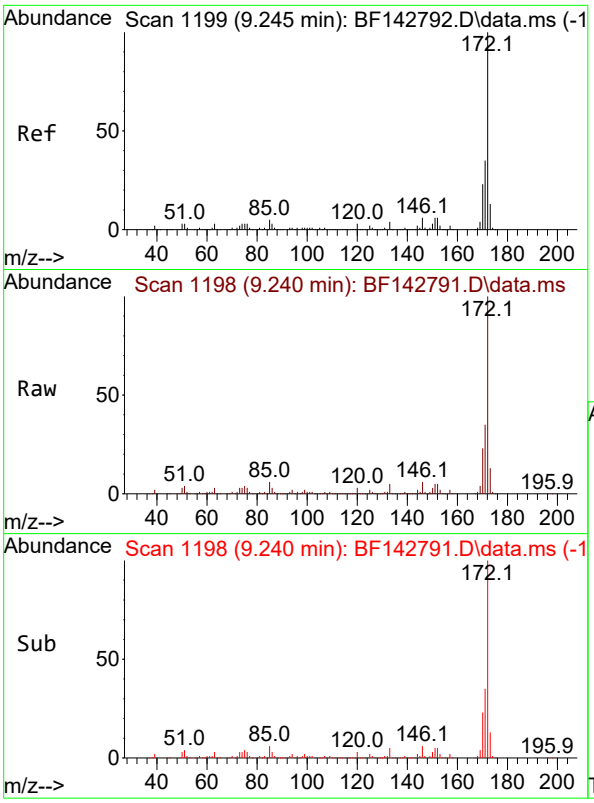




#44
2,4,5-Trichlorophenol
Concen: 20.862 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:196 Resp: 69275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 93.5 | 76.6 | 115.0 |
| 97 | 45.6 | 38.2 | 57.2 |
| 132 | 28.4 | 23.4 | 35.0 |



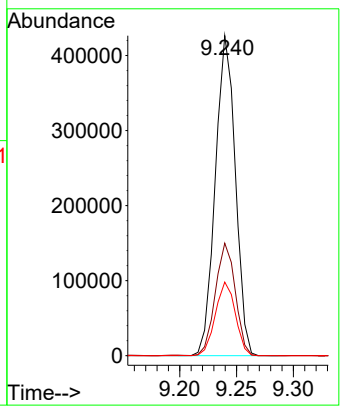


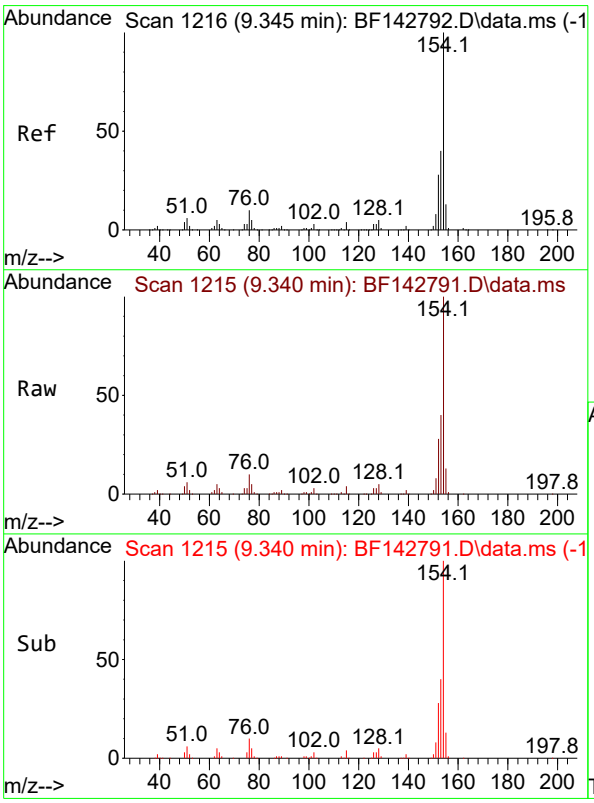

#45
2-Fluorobiphenyl
Concen: 42.356 ng
RT: 9.240 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:172 Resp: 524084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.1 | 28.2 | 42.4 |
| 170 | 23.0 | 18.5 | 27.7 |

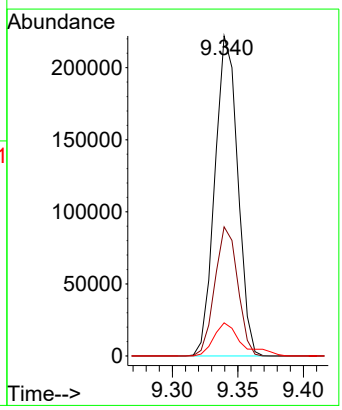


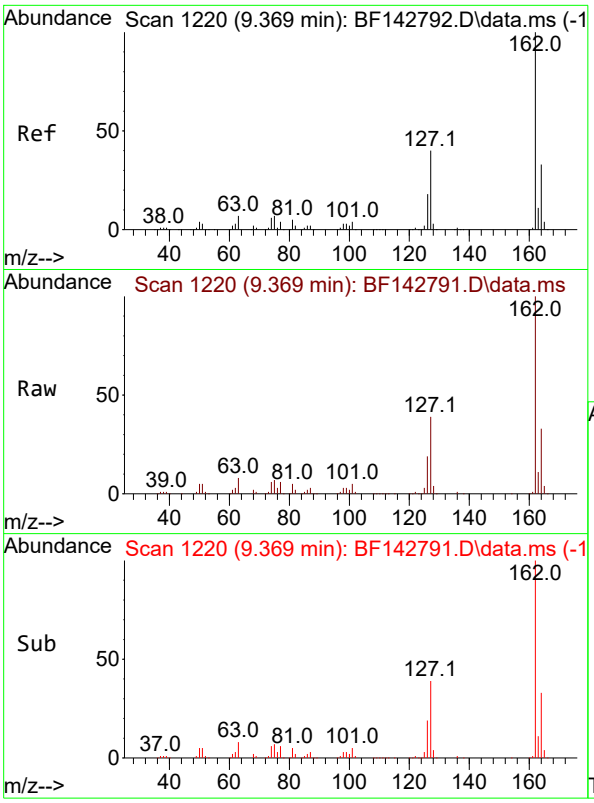




#46
1,1'-Biphenyl
Concen: 21.078 ng
RT: 9.340 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:154 Resp: 269396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.4 | 20.3 | 60.3 |
| 76 | 10.4 | 0.0 | 30.3 |



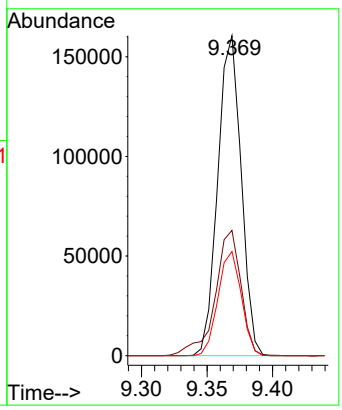


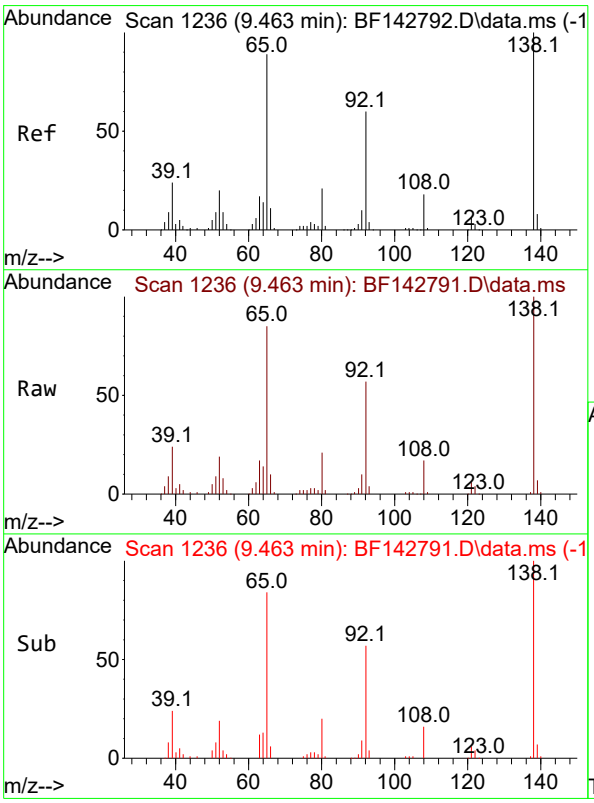

#47
2-Chloronaphthalene
Concen: 21.087 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:162 Resp: 198874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 39.2 | 32.2 | 48.2 |
| 164 | 32.5 | 26.1 | 39.1 |

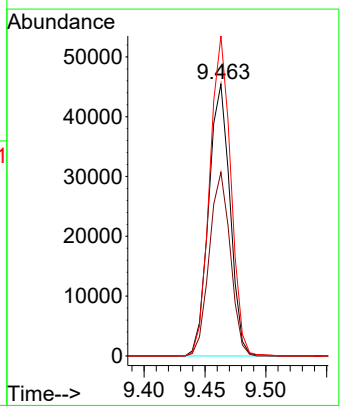


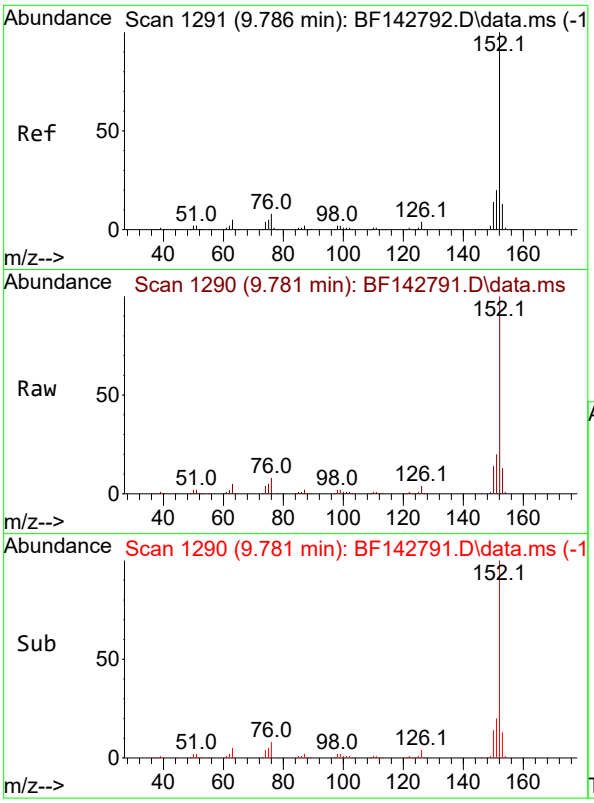




#48
2-Nitroaniline
Concen: 20.681 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion: 65 Resp: 55412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 67.6 | 53.8 | 80.6 |
| 138 | 117.7 | 89.6 | 134.4 |



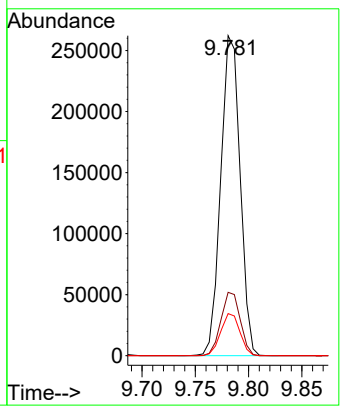


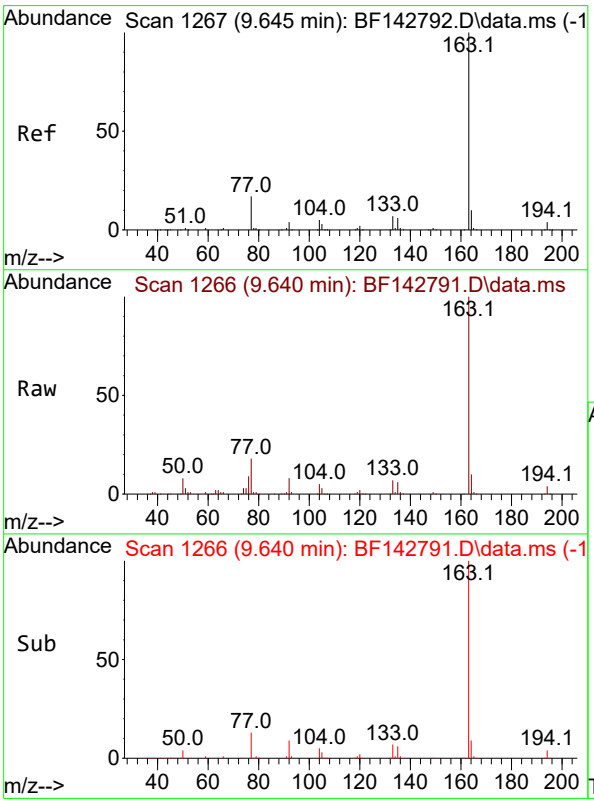

#49
Acenaphthylene
Concen: 20.878 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:152 Resp: 331018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 16.1 | 24.1 |
| 153 | 13.2 | 10.4 | 15.6 |

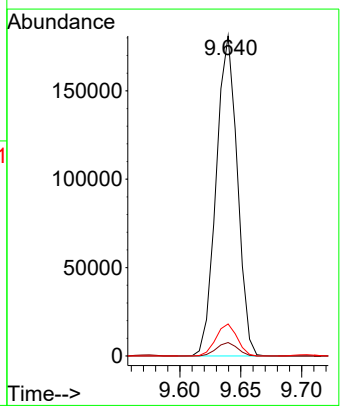


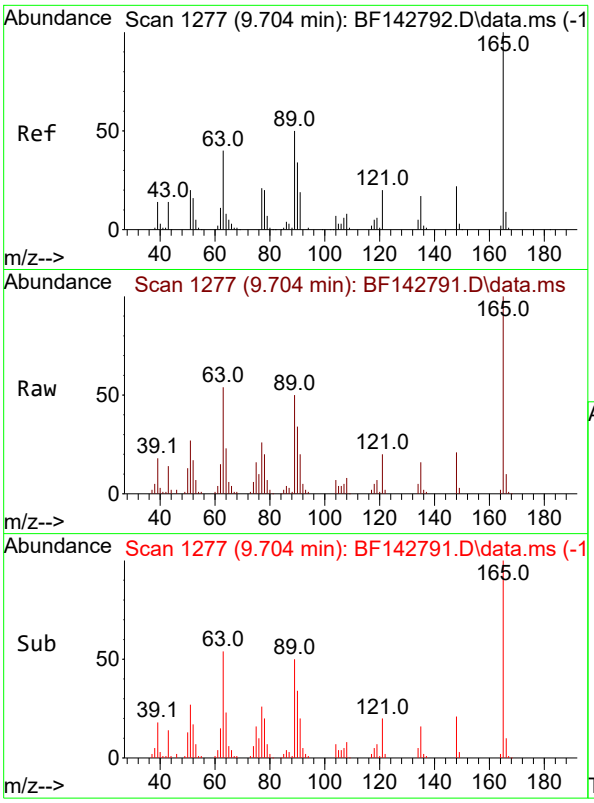




#50
Dimethylphthalate
Concen: 20.049 ng
RT: 9.640 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:163 Resp: 218901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.3 | 4.9 |
| 164 | 10.0 | 8.0 | 12.0 |



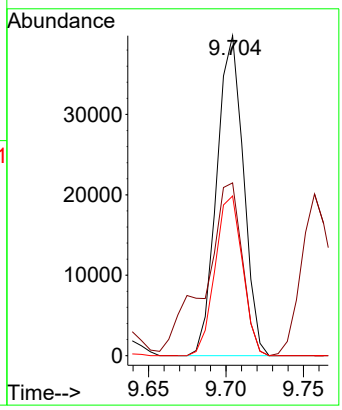


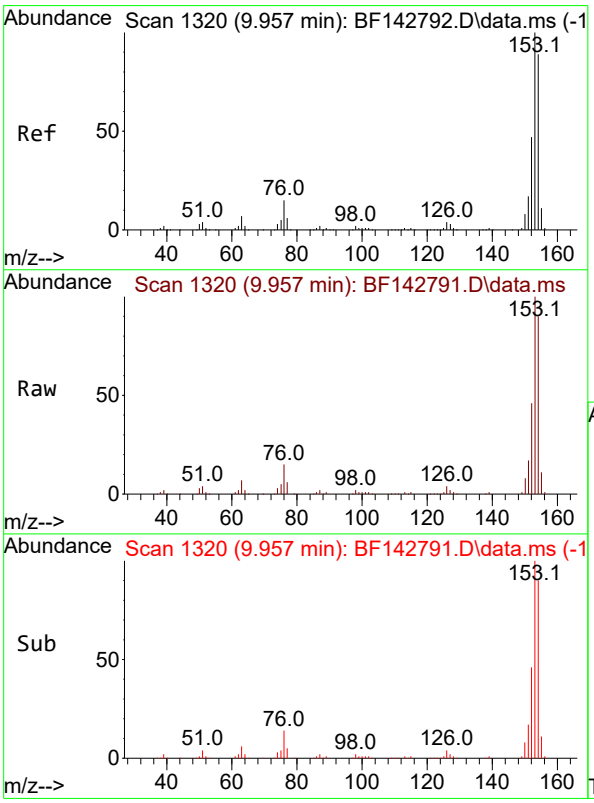

#51
2,6-Dinitrotoluene
Concen: 20.156 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:165 Resp: 47707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 54.0 | 44.2 | 66.4 |
| 89 | 49.9 | 39.8 | 59.8 |

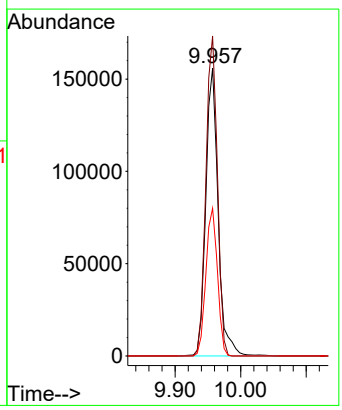


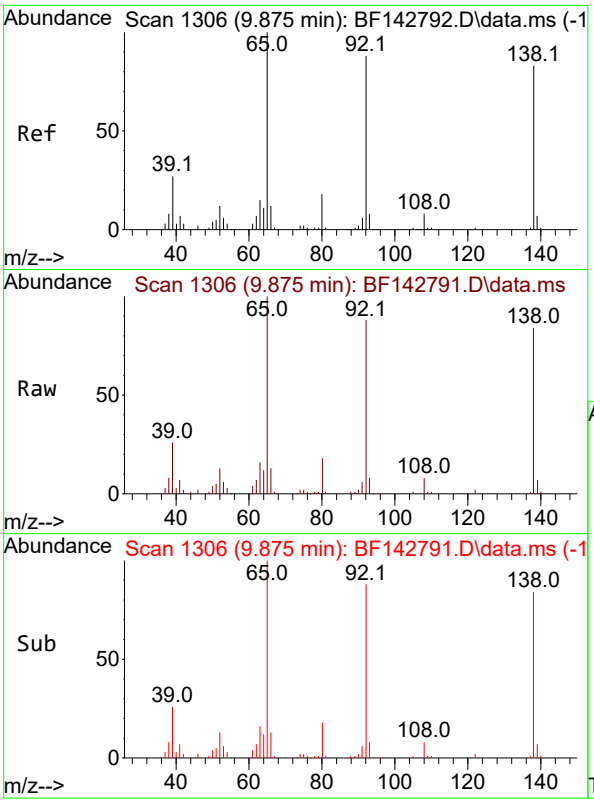




#52
Acenaphthene
Concen: 20.813 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:154 Resp: 204192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.2 | 90.0 | 135.0 |
| 152 | 51.3 | 41.9 | 62.9 |



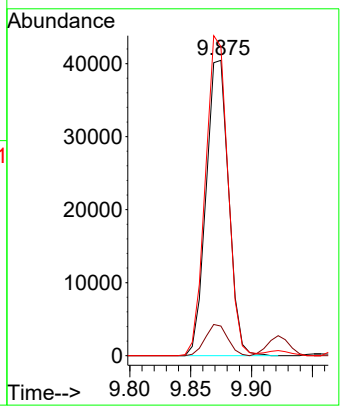


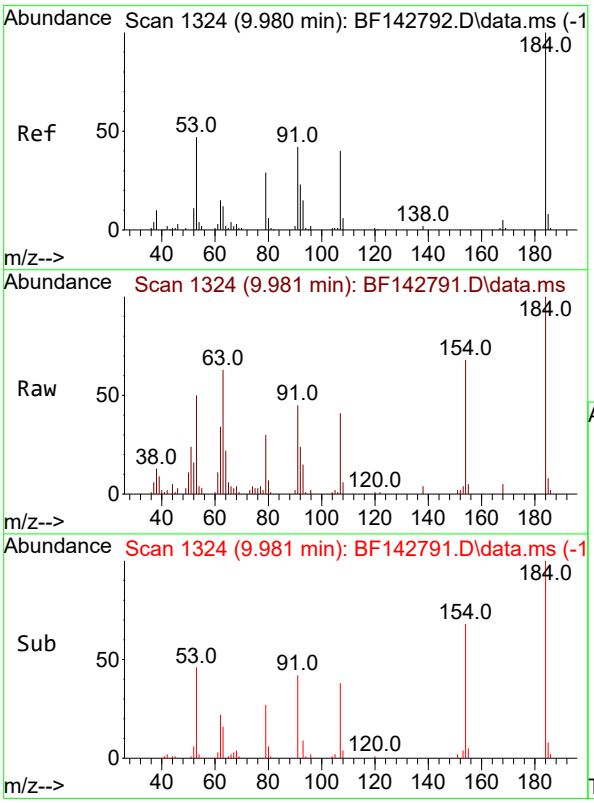

#53
3-Nitroaniline
Concen: 20.261 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:138 Resp: 52088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.0 | 8.1 | 12.1 |
| 92 | 104.7 | 85.1 | 127.7 |

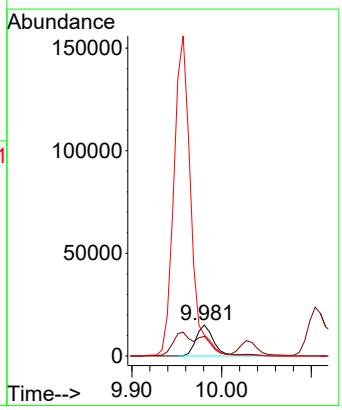


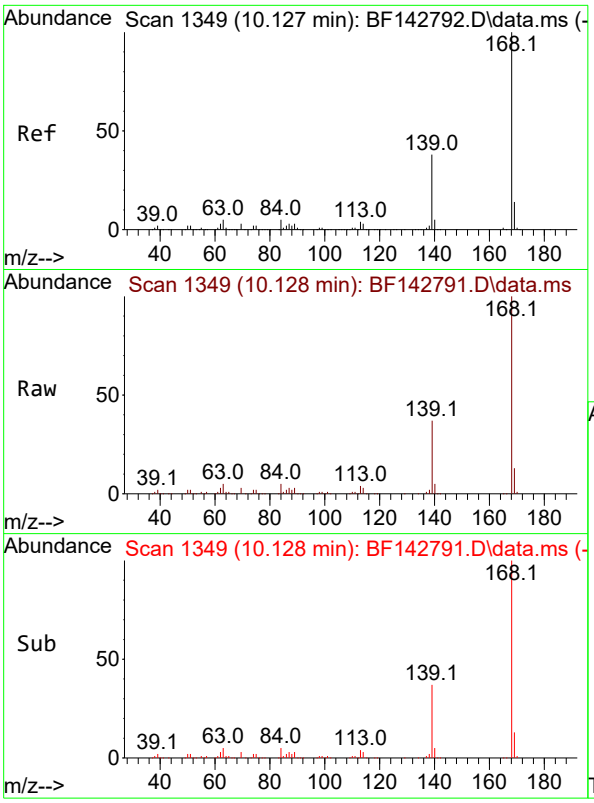




#54
2,4-Dinitrophenol
Concen: 16.576 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:184 Resp: 21231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 62.9 | 50.6 | 75.8 |
| 154 | 68.5 | 51.8 | 77.8 |



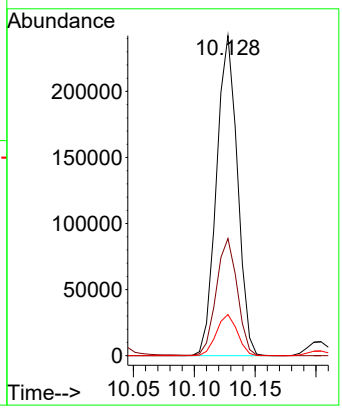


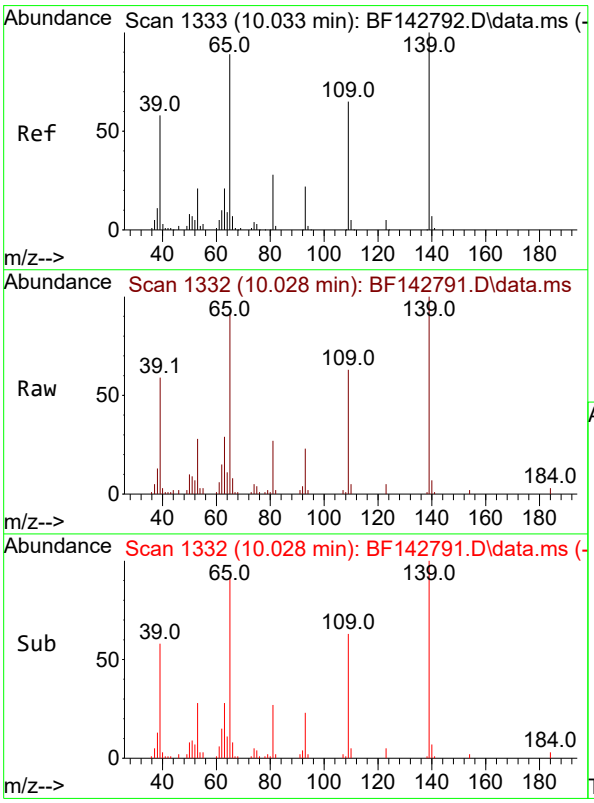

#55
Dibenzofuran
Concen: 20.736 ng
RT: 10.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:168 Resp: 290254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.6 | 30.2 | 45.4 |
| 169 | 12.8 | 10.8 | 16.2 |

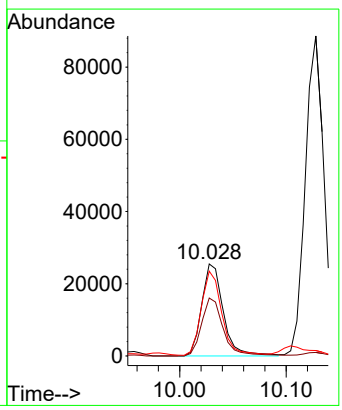


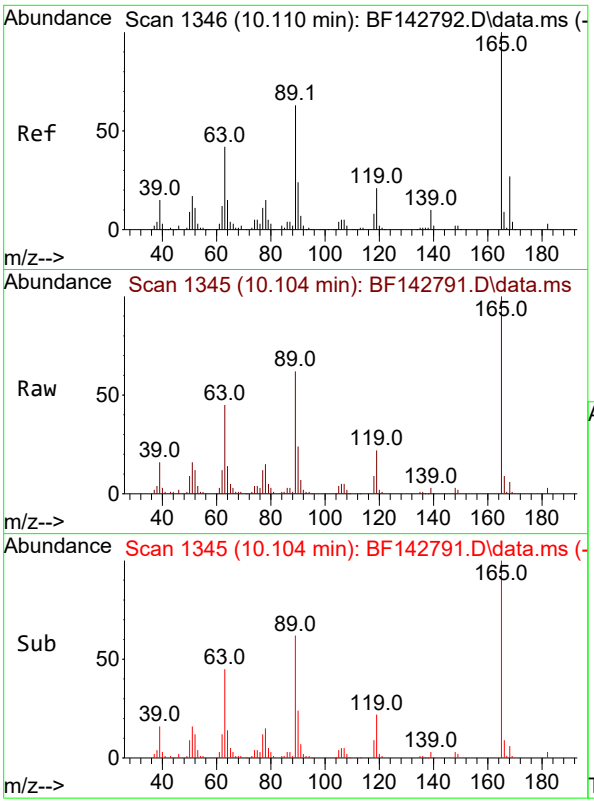




#56
4-Nitrophenol
Concen: 20.593 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:139 Resp: 35937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 62.9 | 44.7 | 84.7 |
| 65 | 92.2 | 69.8 | 109.8 |



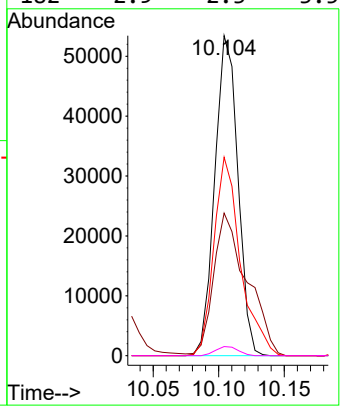


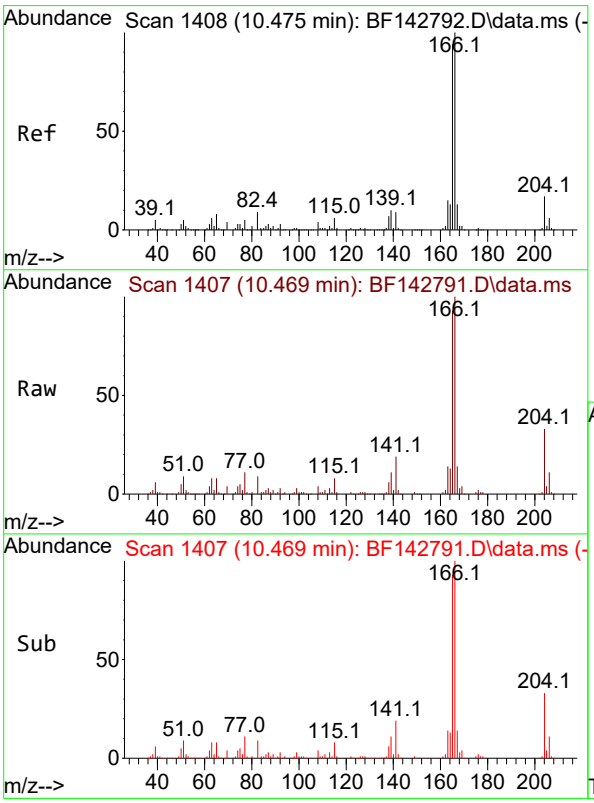

#57
2,4-Dinitrotoluene
Concen: 20.887 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:165 Resp: 65367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 44.5 | 33.9 | 50.9 |
| 89 | 62.0 | 50.6 | 75.8 |
| 182 | 2.9 | 2.3 | 3.5 |

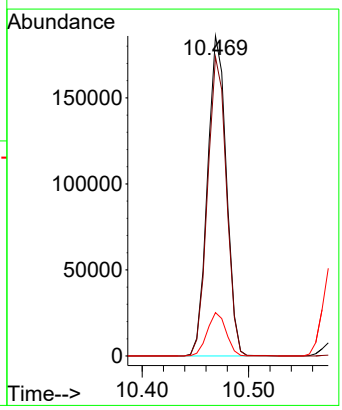


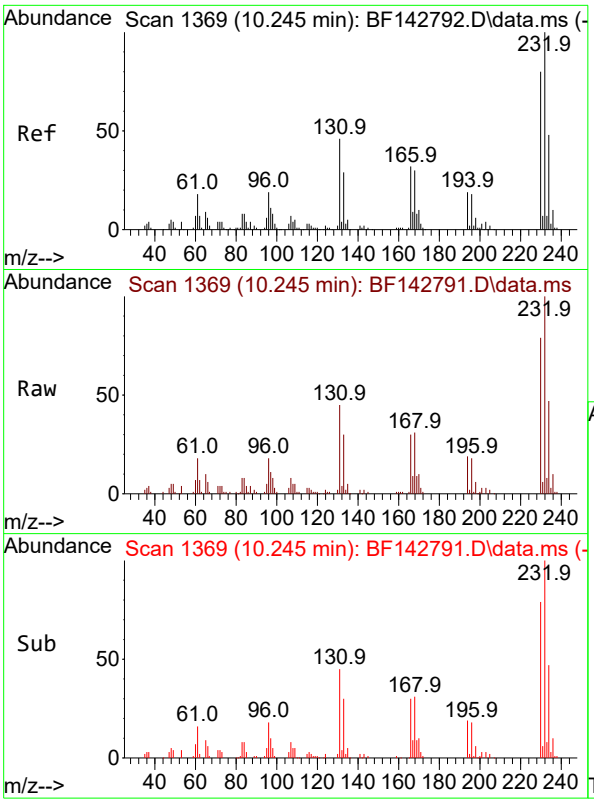




#58
Fluorene
Concen: 20.780 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:166 Resp: 229569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.5 | 75.2 | 112.8 |
| 167 | 13.5 | 10.6 | 15.8 |



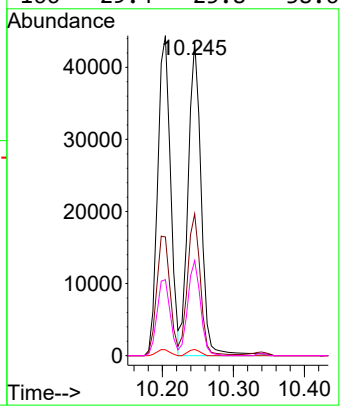


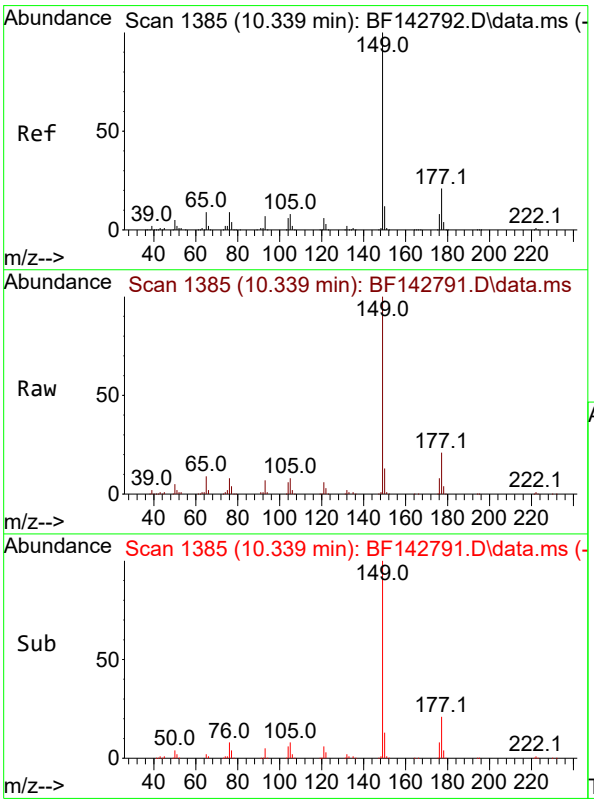

#59
2,3,4,6-Tetrachlorophenol
Concen: 20.042 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:232 Resp: 55799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.3 | 37.6 | 56.4 |
| 130 | 1.8 | 1.7 | 2.5 |
| 166 | 29.4 | 25.8 | 38.6 |

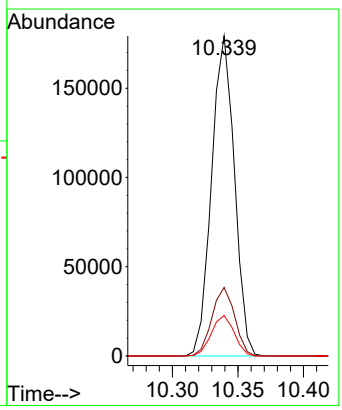


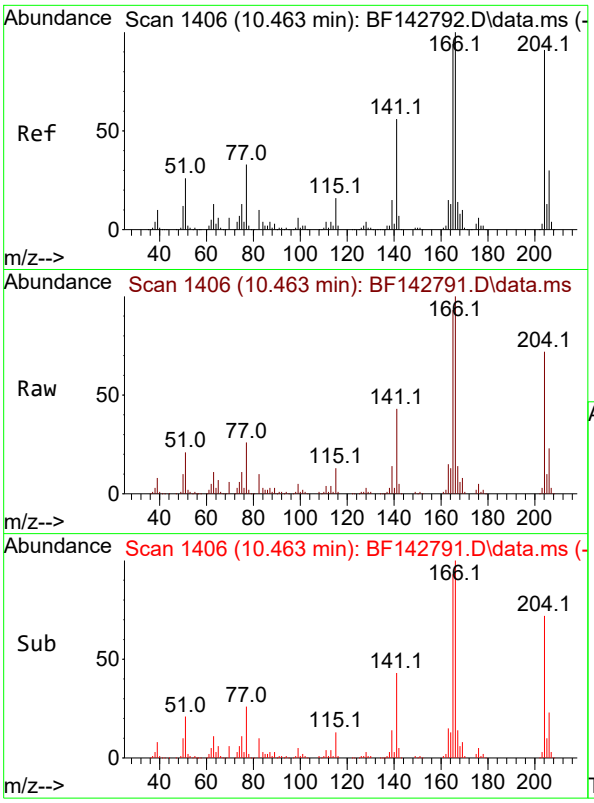




#60
Diethylphthalate
Concen: 20.020 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:149 Resp: 217133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.4 | 17.0 | 25.6 |
| 150 | 12.6 | 9.8 | 14.6 |



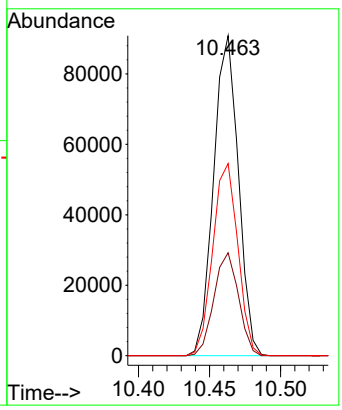


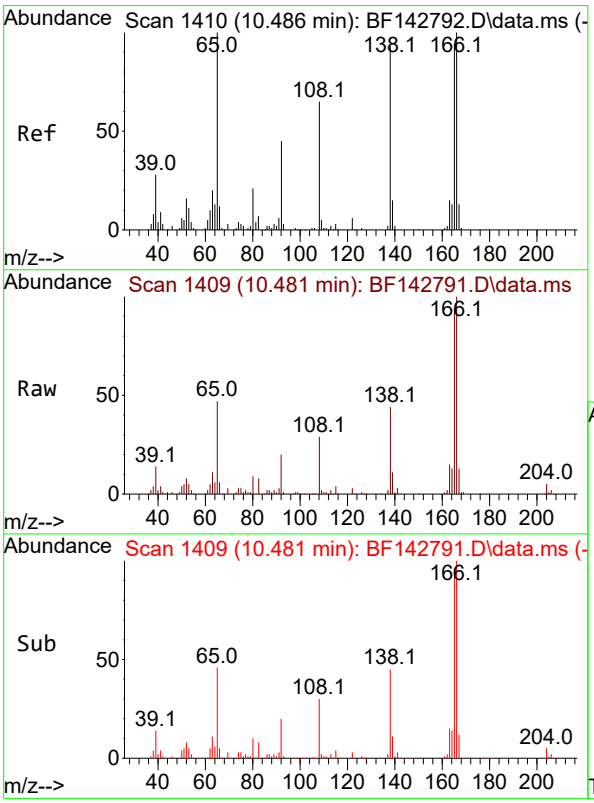

#61
4-Chlorophenyl-phenylether
Concen: 20.526 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:204 Resp: 110133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.1 | 26.3 | 39.5 |
| 141 | 60.1 | 49.1 | 73.7 |

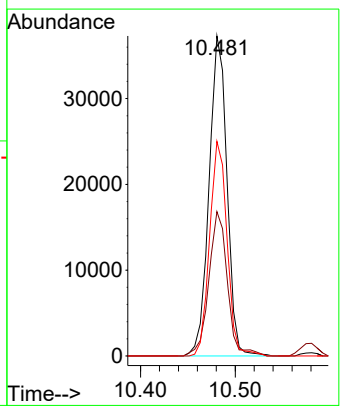


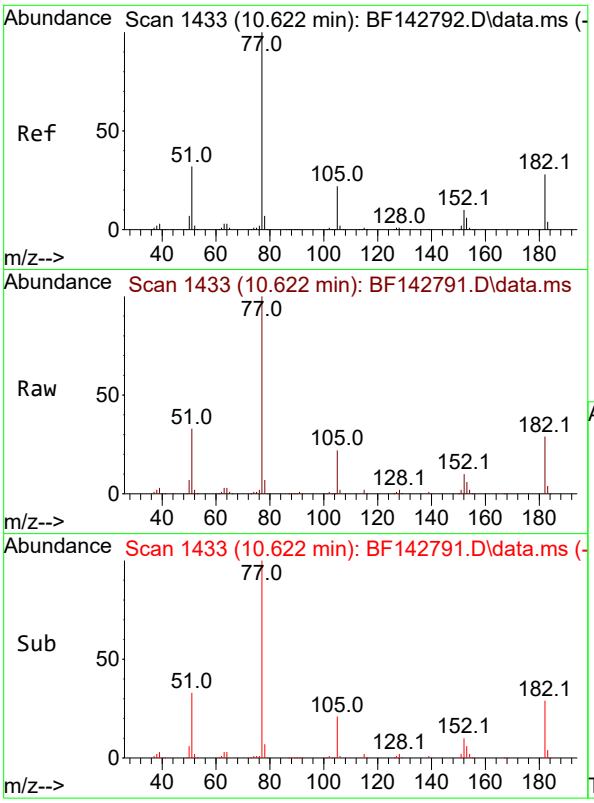




#62
4-Nitroaniline
Concen: 21.208 ng
RT: 10.481 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:138 Resp: 48947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 45.1 | 28.4 | 68.4 |
| 108 | 67.1 | 50.2 | 90.2 |



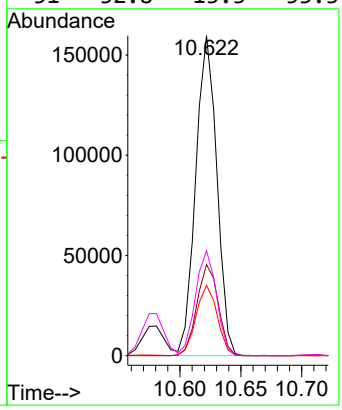


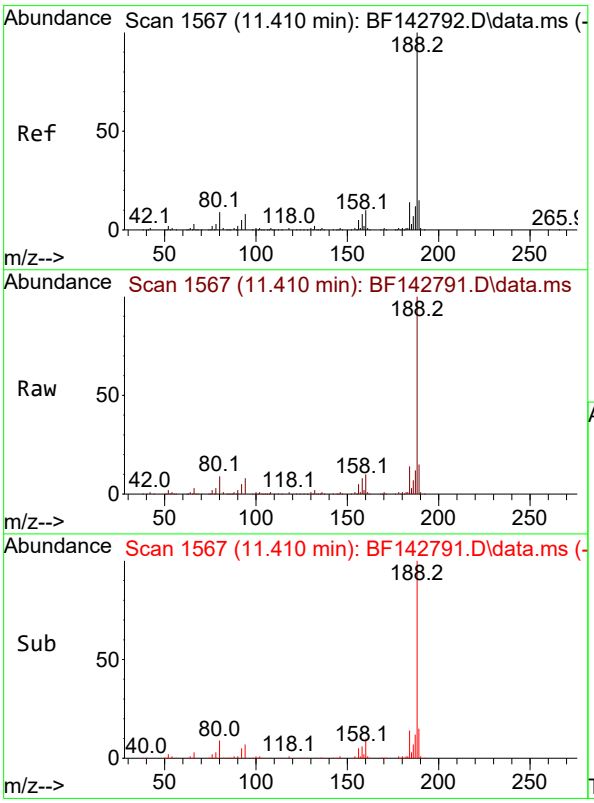

#63
Azobenzene
Concen: 20.263 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion: 77 Resp: 192057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.5 | 7.7 | 47.7 |
| 105 | 22.0 | 1.9 | 41.9 |
| 51 | 32.8 | 13.3 | 53.3 |

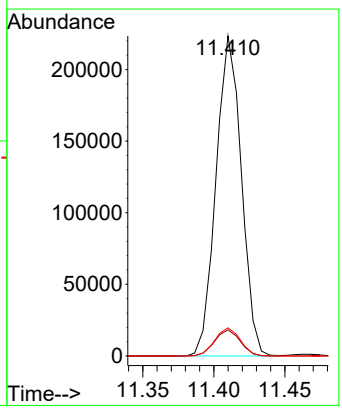


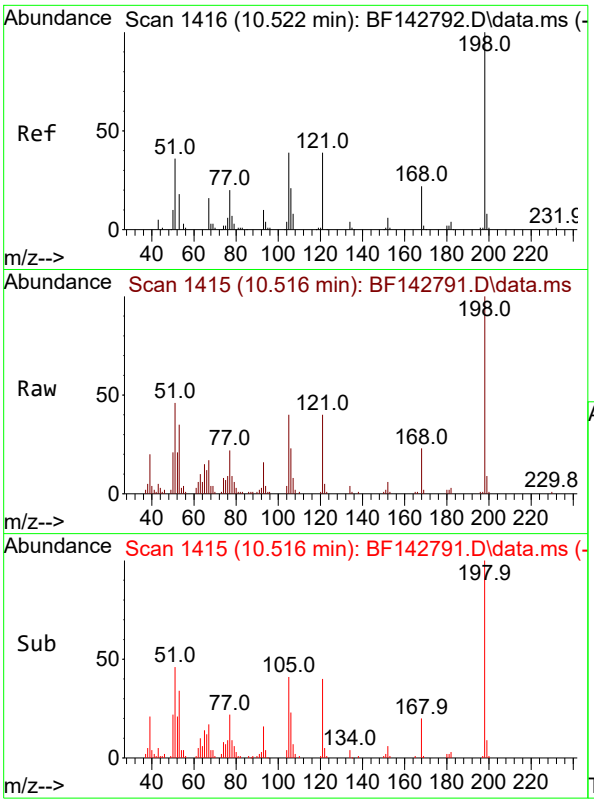




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:188 Resp: 277149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.2 | 6.7 | 10.1 |
| 80 | 8.8 | 6.9 | 10.3 |



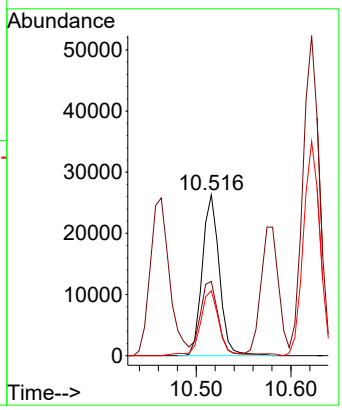


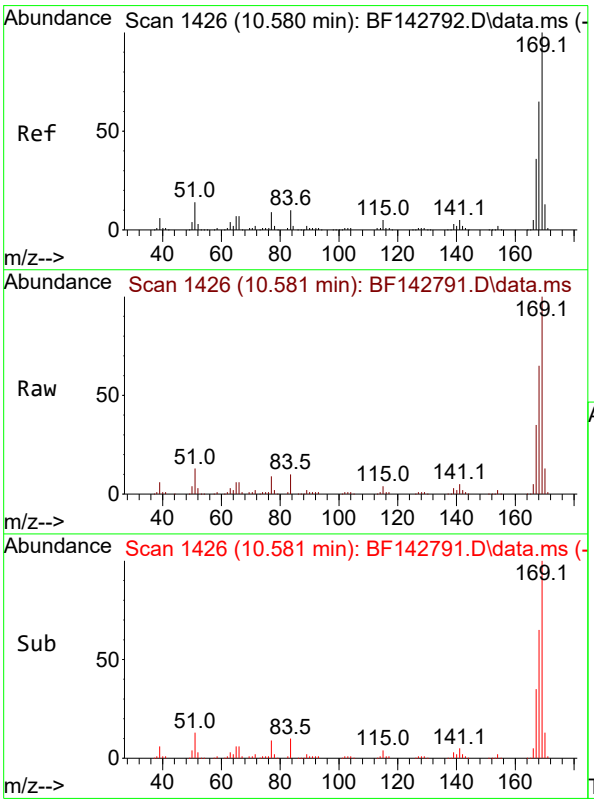

#65
4,6-Dinitro-2-methylphenol
Concen: 19.130 ng
RT: 10.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:198 Resp: 32946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 46.2 | 25.4 | 65.4 |
| 105 | 40.4 | 20.4 | 60.4 |

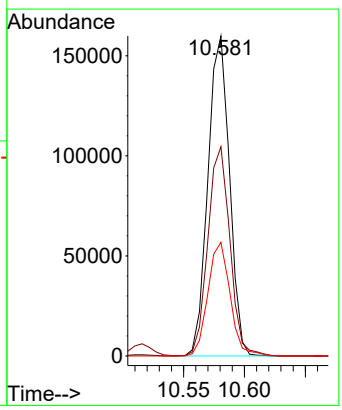


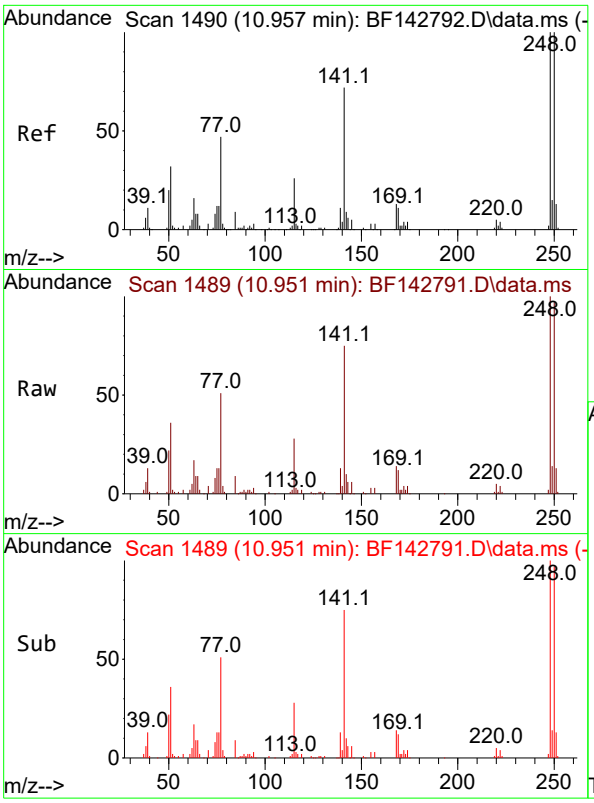




#66
n-Nitrosodiphenylamine
Concen: 20.670 ng
RT: 10.581 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:169 Resp: 196840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.4 | 51.9 | 77.9 |
| 167 | 35.5 | 28.5 | 42.7 |



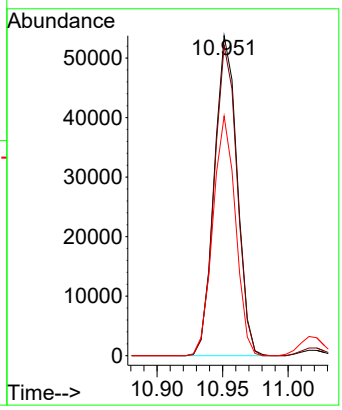


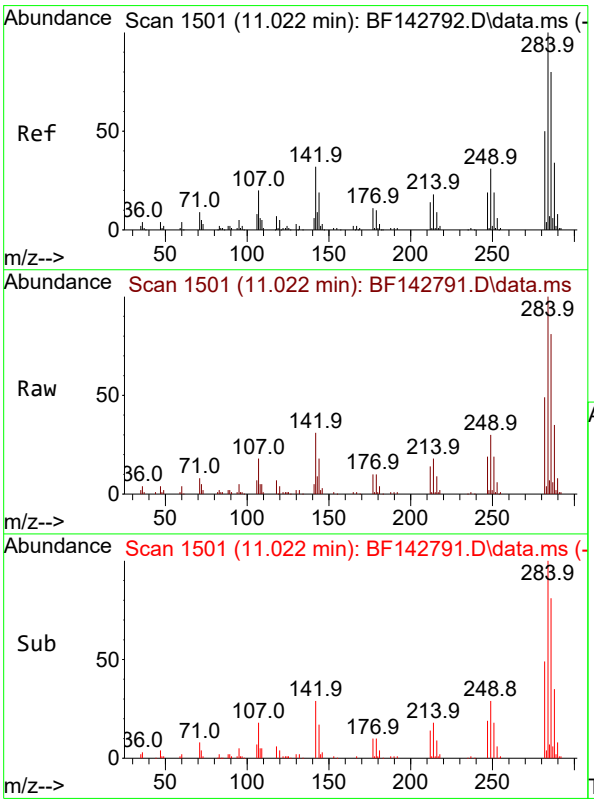

#67
4-Bromophenyl-phenylether
Concen: 20.068 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:248 Resp: 65137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.0 | 79.8 | 119.8 |
| 141 | 74.9 | 57.8 | 86.6 |

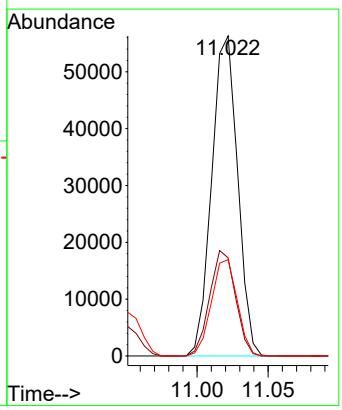


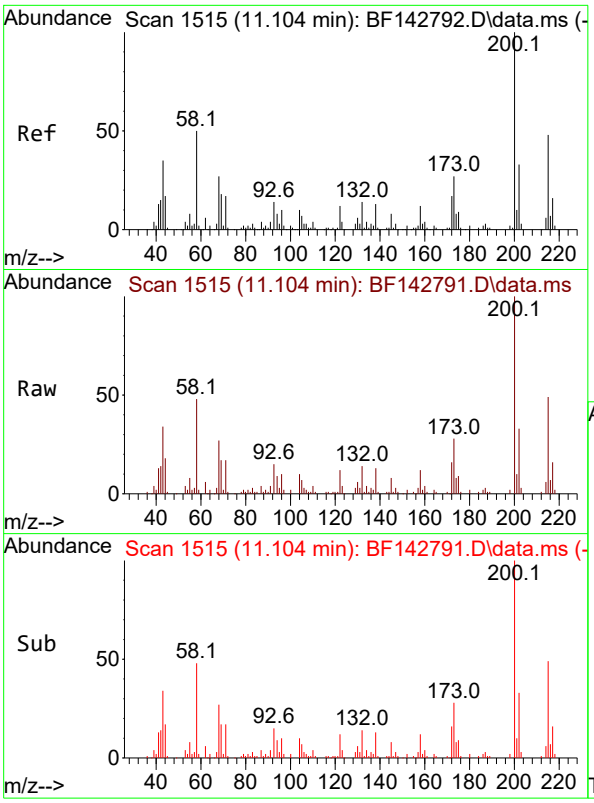




#68
Hexachlorobenzene
Concen: 19.802 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:284 Resp: 71354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 30.7 | 25.5 | 38.3 |
| 249 | 30.1 | 24.9 | 37.3 |



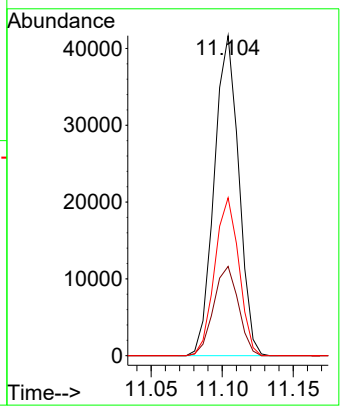


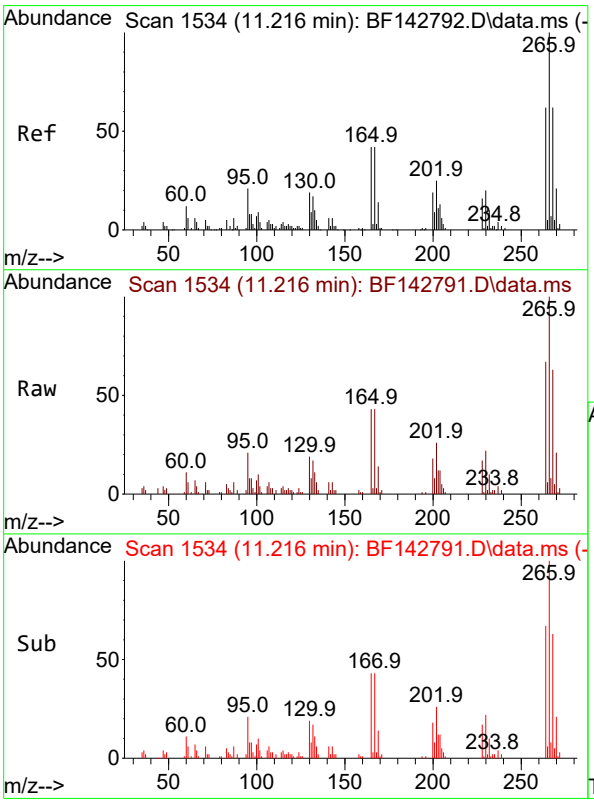

#69
Atrazine
Concen: 19.760 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:200 Resp: 49963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.9 | 7.4 | 47.4 |
| 215 | 49.3 | 28.4 | 68.4 |

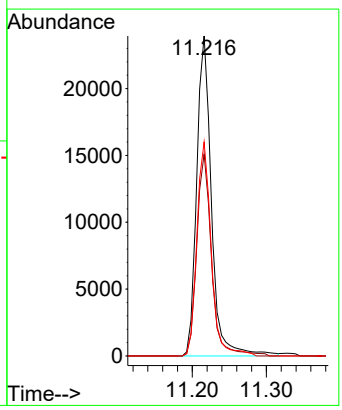


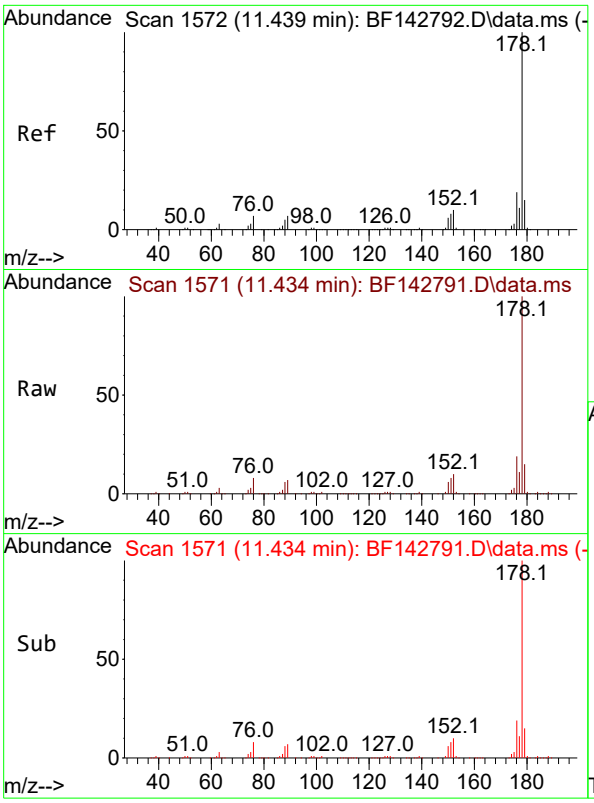




#70
Pentachlorophenol
Concen: 17.680 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:266 Resp: 33089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.1 | 49.8 | 74.8 |
| 264 | 66.8 | 49.9 | 74.9 |



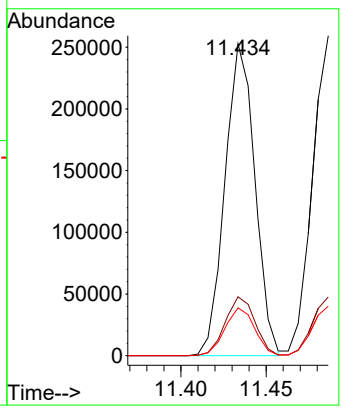


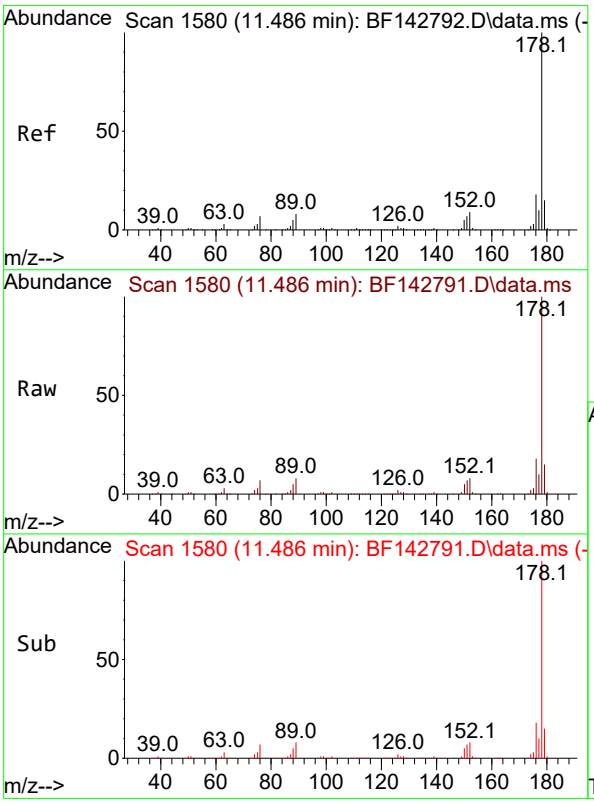

#71
Phenanthrene
Concen: 20.826 ng
RT: 11.434 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:178 Resp: 309015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.1 | 22.7 |
| 179 | 15.3 | 12.0 | 18.0 |

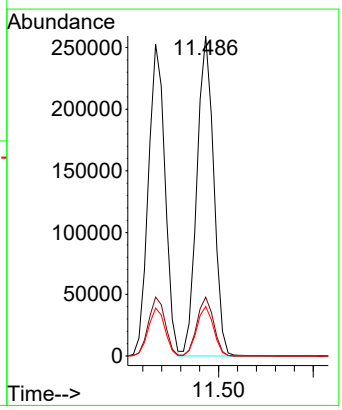


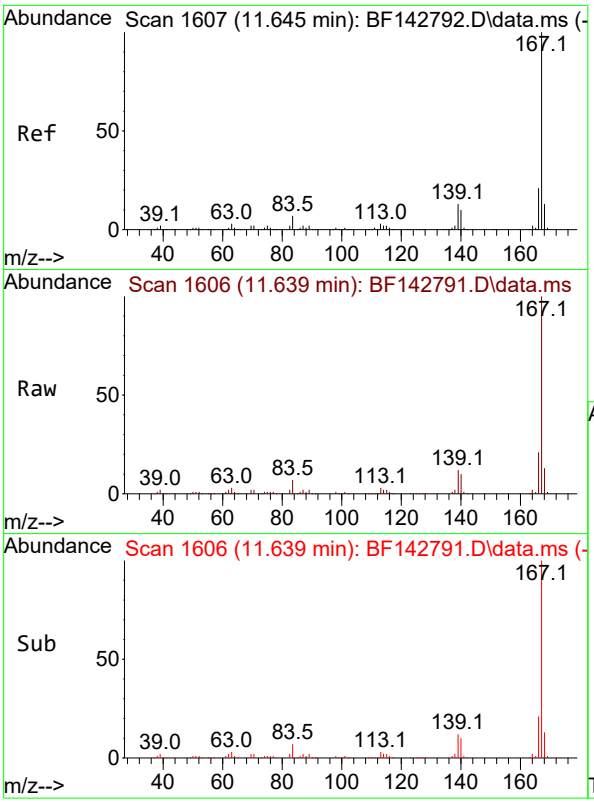




#72
Anthracene
Concen: 20.730 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:178 Resp: 318388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.3 | 14.6 | 21.8 |
| 179 | 15.4 | 12.4 | 18.6 |



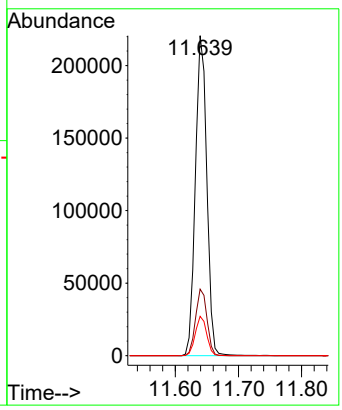


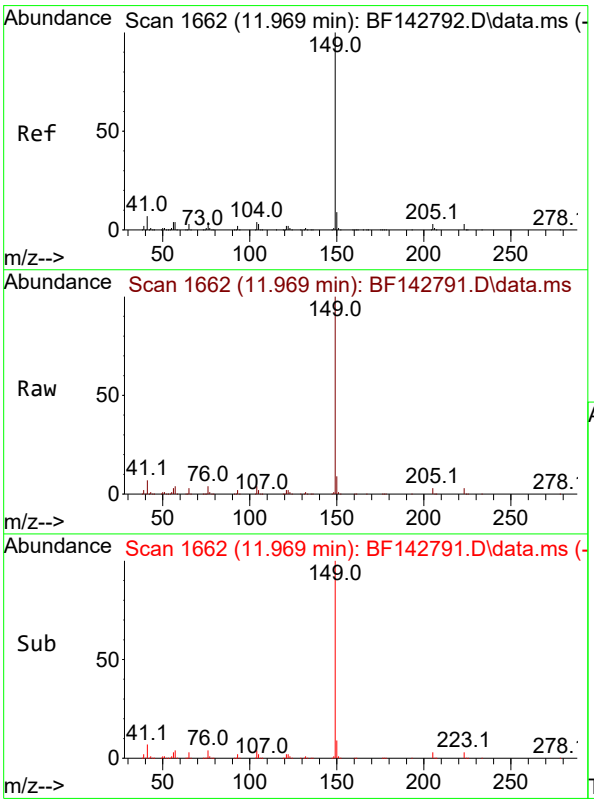

#73
Carbazole
Concen: 21.523 ng
RT: 11.639 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:167 Resp: 276824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 20.8 | 17.0 | 25.4 |
| 139 | 12.3 | 10.2 | 15.2 |

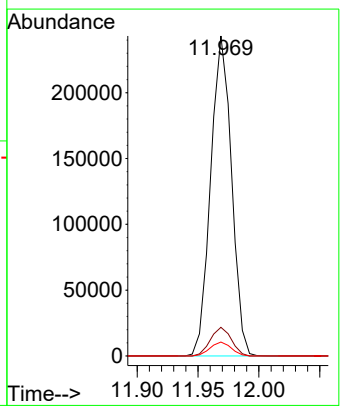


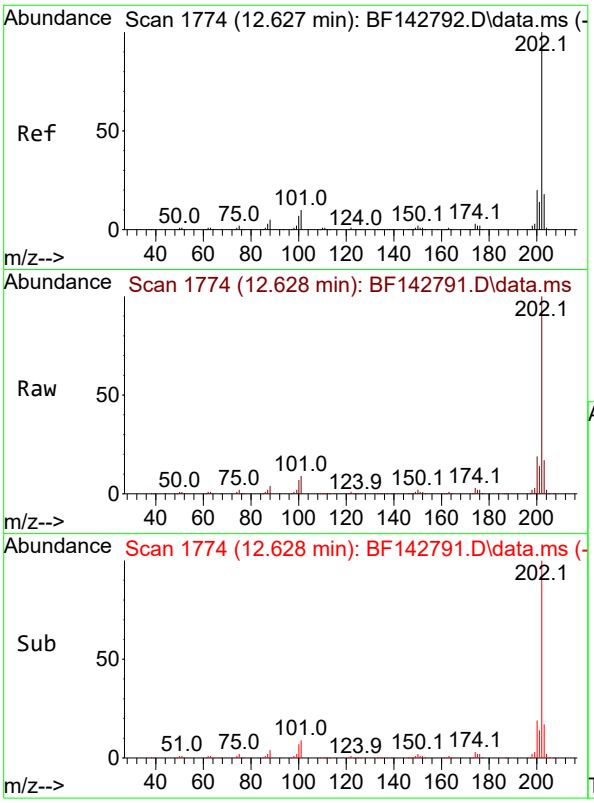




#74
Di-n-butylphthalate
Concen: 20.342 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:149 Resp: 289686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.4 | 11.0 |
| 104 | 4.4 | 3.5 | 5.3 |



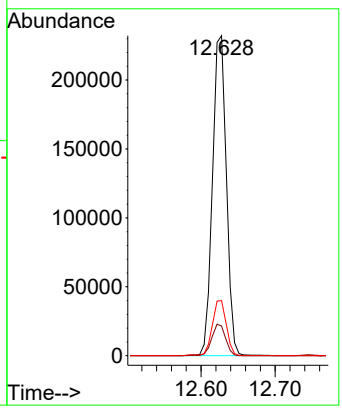


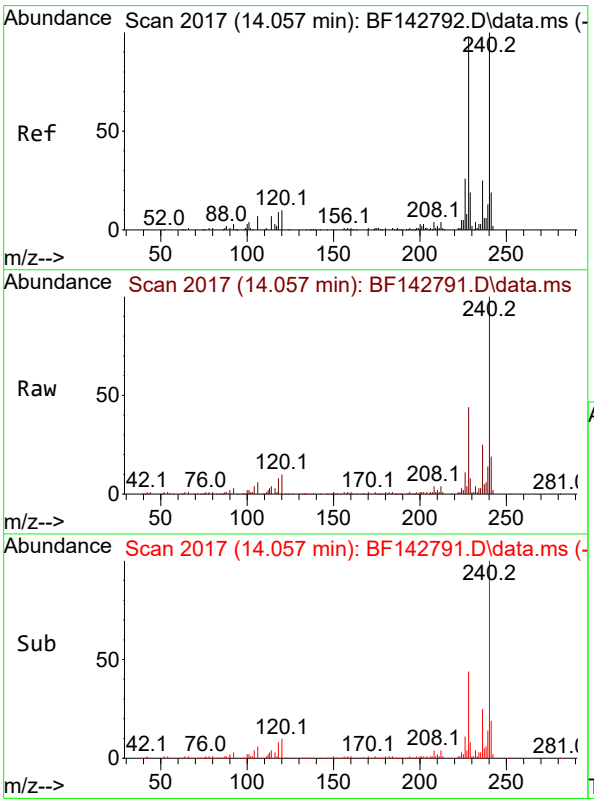

#75
Fluoranthene
Concen: 21.424 ng
RT: 12.628 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:202 Resp: 302035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.2 | 0.0 | 29.7 |
| 203 | 17.2 | 0.0 | 37.5 |

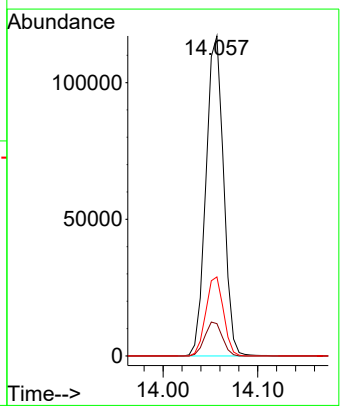


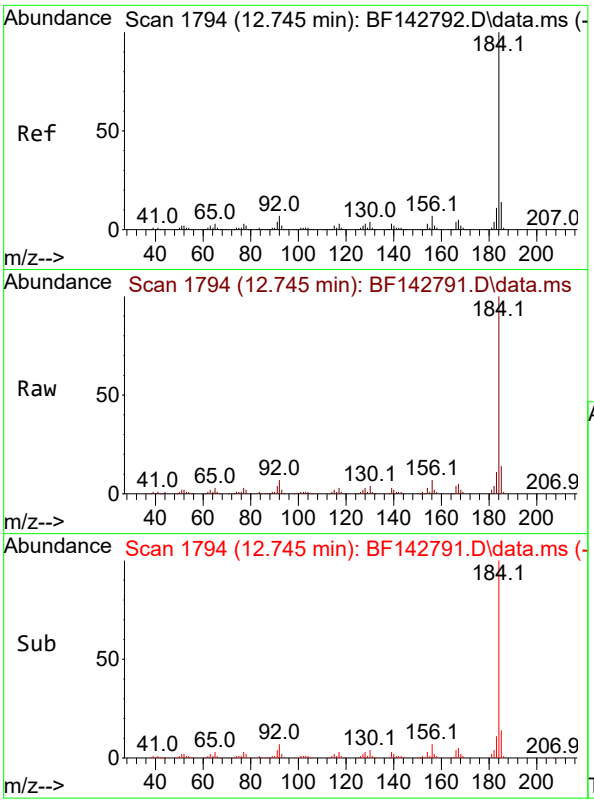




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:240 Resp: 151398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.1 | 8.2 | 12.2 |
| 236 | 24.7 | 19.8 | 29.8 |



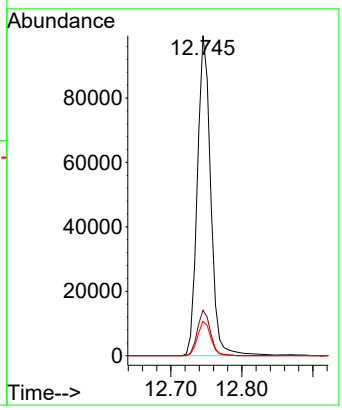


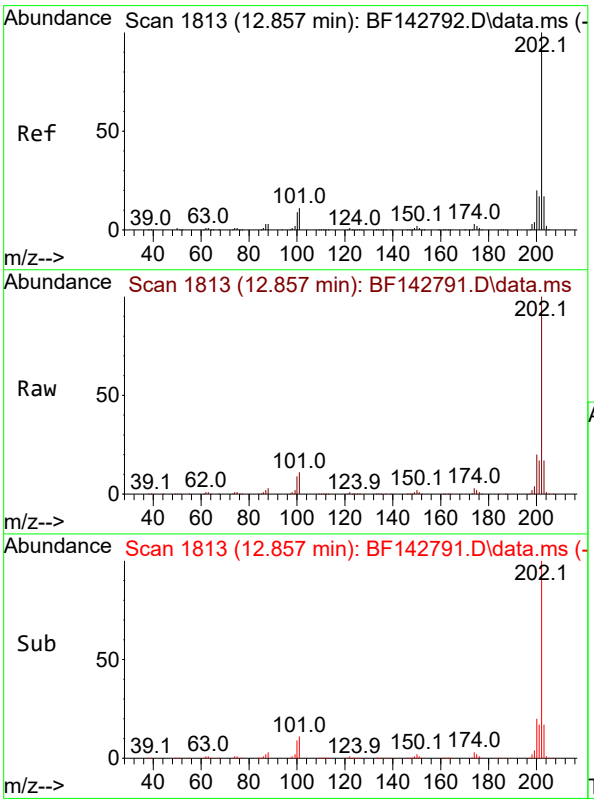

#77
Benzidine
Concen: 24.285 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:184 Resp: 130162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.2 | 11.5 | 17.3 |
| 183 | 10.7 | 9.0 | 13.4 |

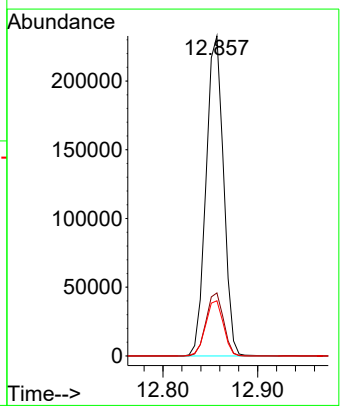


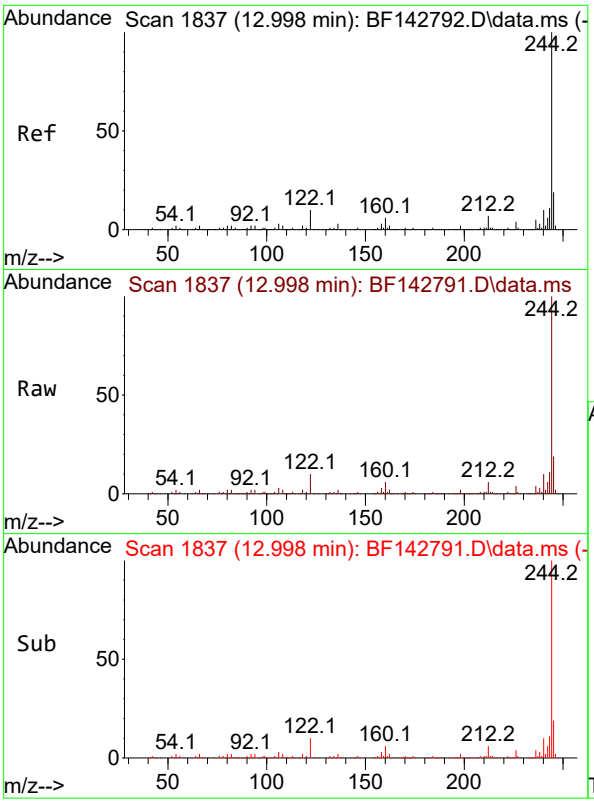




#78
Pyrene
Concen: 21.413 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:202 Resp: 297999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.7 | 15.7 | 23.5 |
| 203 | 17.3 | 13.8 | 20.6 |



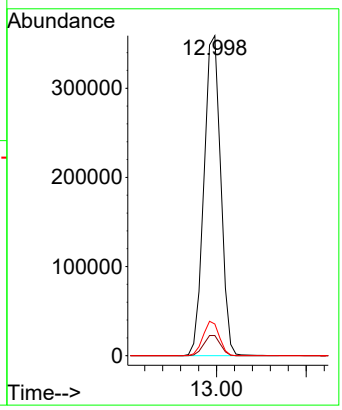


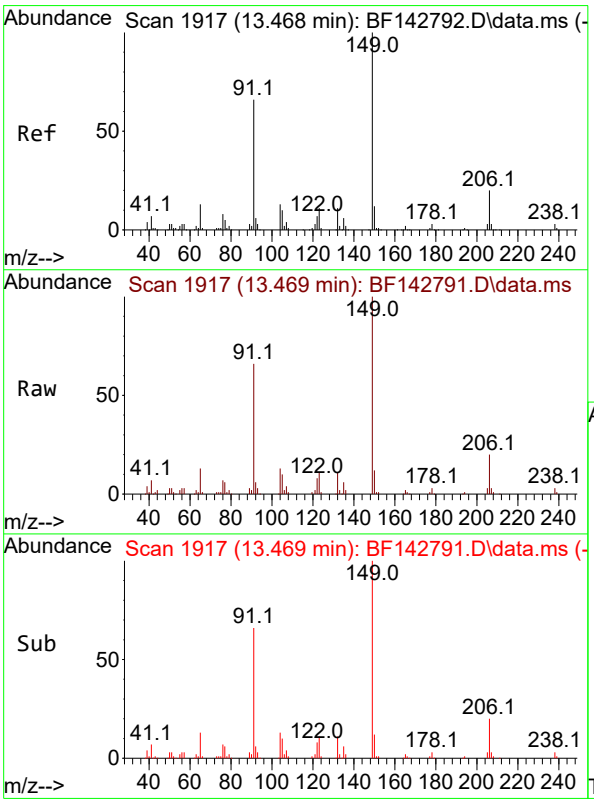

#79
Terphenyl-d14
Concen: 42.675 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:244 Resp: 464214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.3 | 5.4 | 8.0 |
| 122 | 9.9 | 8.2 | 12.2 |

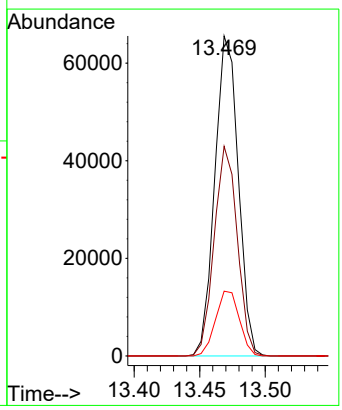


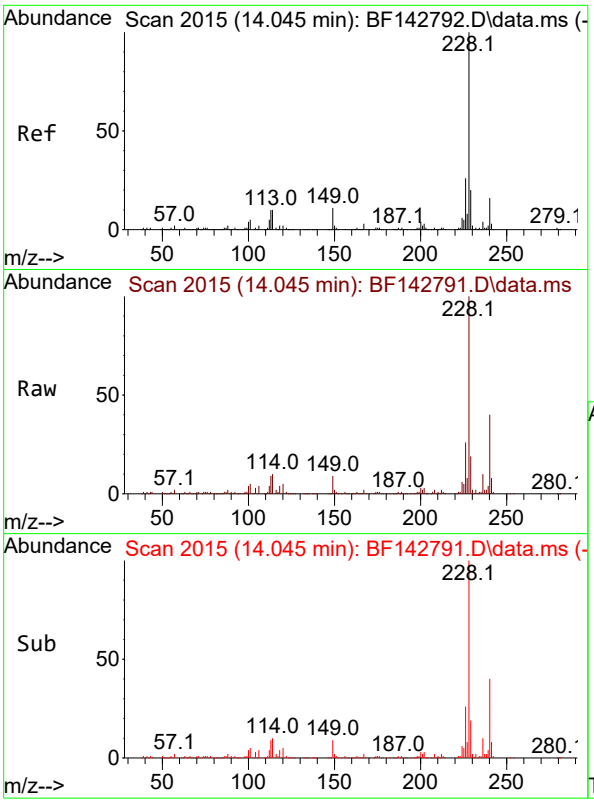




#80
Butylbenzylphthalate
Concen: 19.761 ng
RT: 13.469 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:149 Resp: 81500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 65.5 | 52.9 | 79.3 |
| 206 | 20.3 | 16.3 | 24.5 |



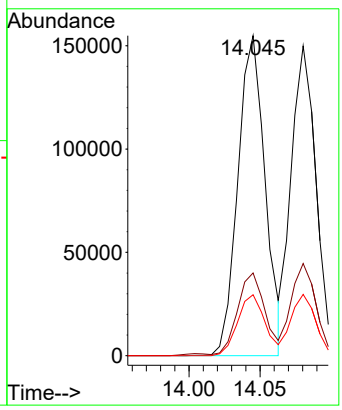


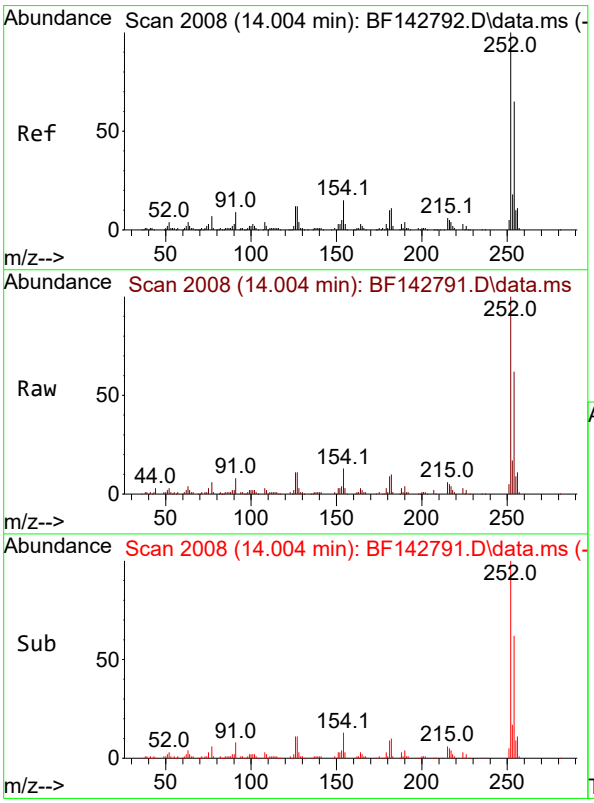

#81
Benzo(a)anthracene
Concen: 20.807 ng
RT: 14.045 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:228 Resp: 206831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 25.8 | 21.2 | 31.8 |
| 229 | 19.0 | 15.6 | 23.4 |

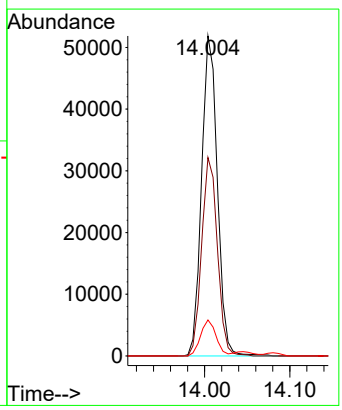


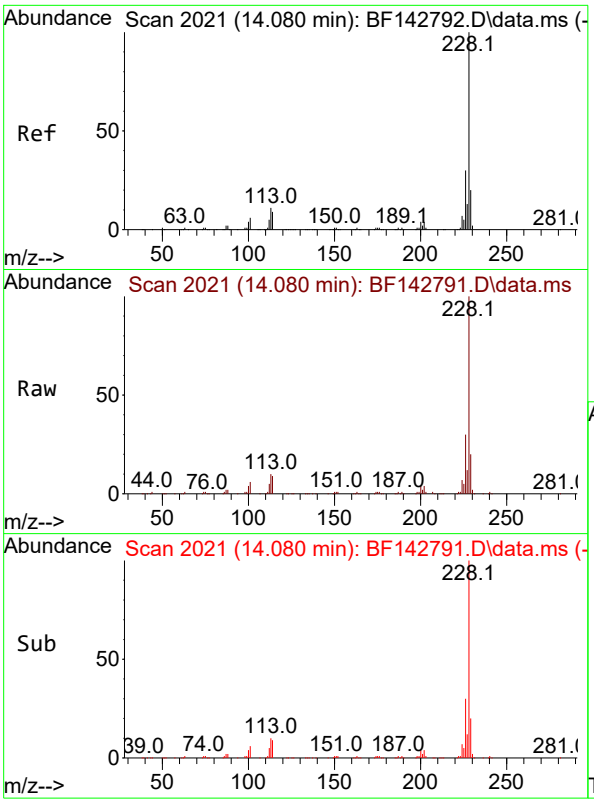




#82
3,3'-Dichlorobenzidine
Concen: 20.714 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:252 Resp: 66675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 62.0 | 51.7 | 77.5 |
| 126 | 11.3 | 9.4 | 14.2 |



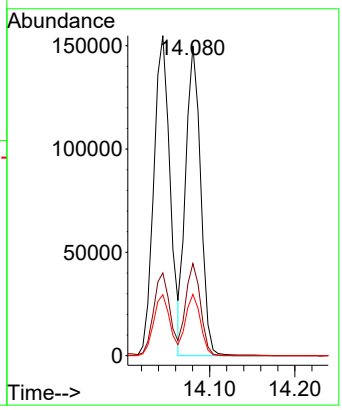


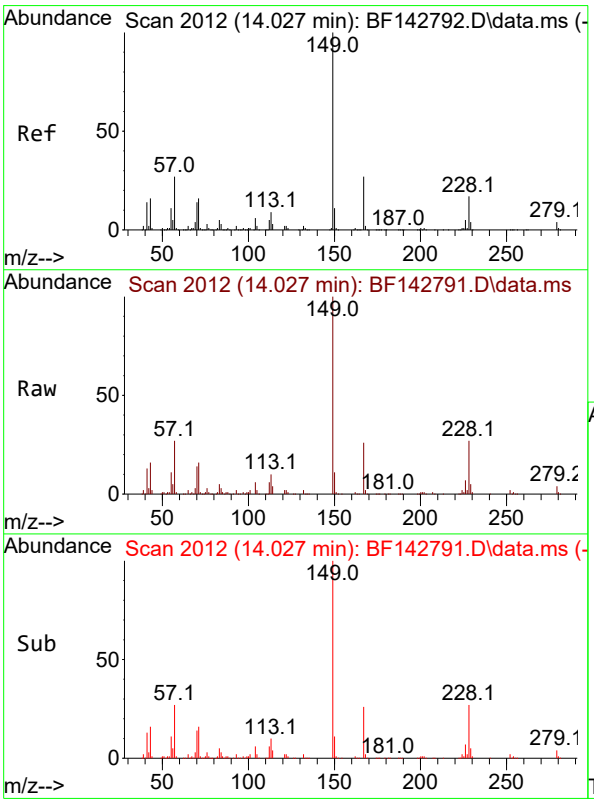

#83
Chrysene
Concen: 19.756 ng
RT: 14.080 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:228 Resp: 182829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 23.7 | 35.5 |
| 229 | 19.8 | 15.7 | 23.5 |

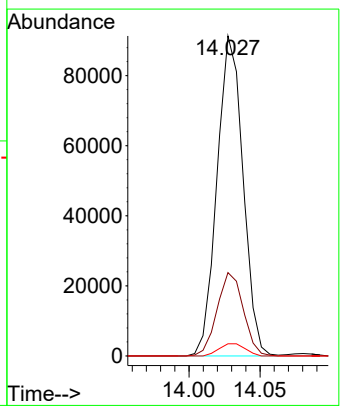


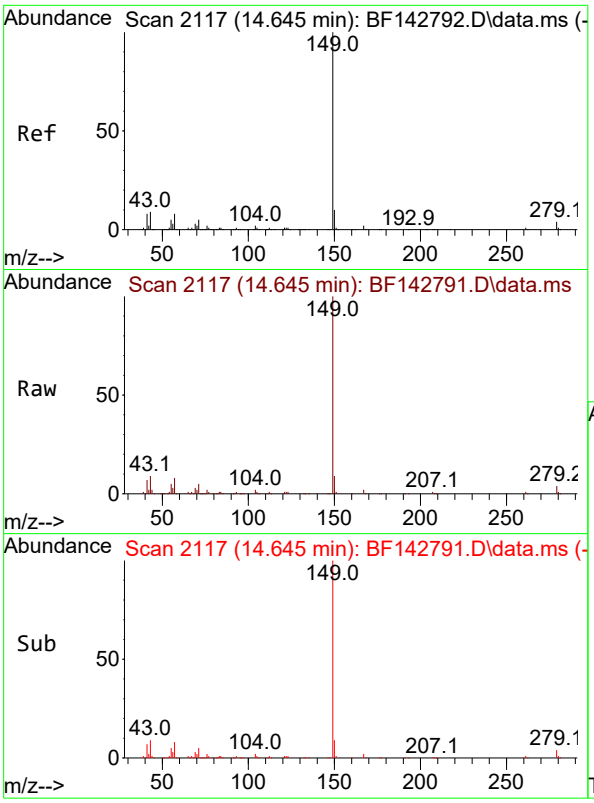




#84
Bis(2-ethylhexyl)phthalate
Concen: 18.892 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:149 Resp: 116092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.0 | 21.4 | 32.0 |
| 279 | 3.8 | 3.0 | 4.6 |



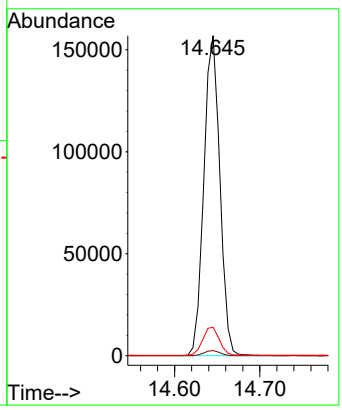


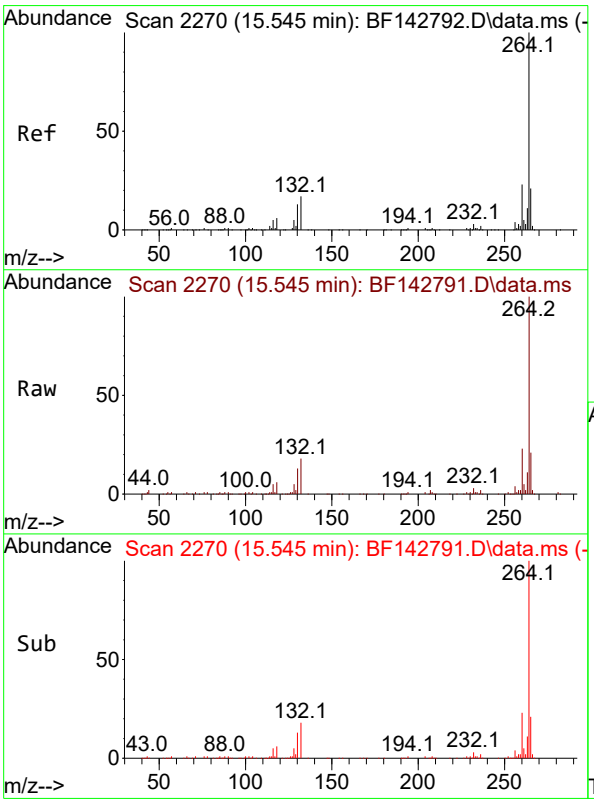

#85
Di-n-octyl phthalate
Concen: 17.475 ng
RT: 14.645 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:149 Resp: 204632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.2 | 7.6 | 11.4 |

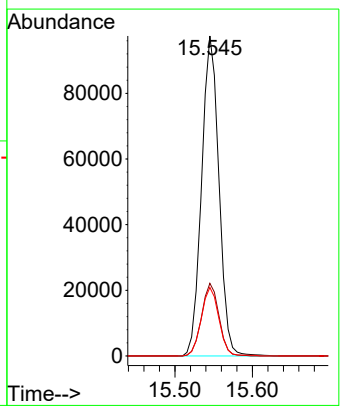


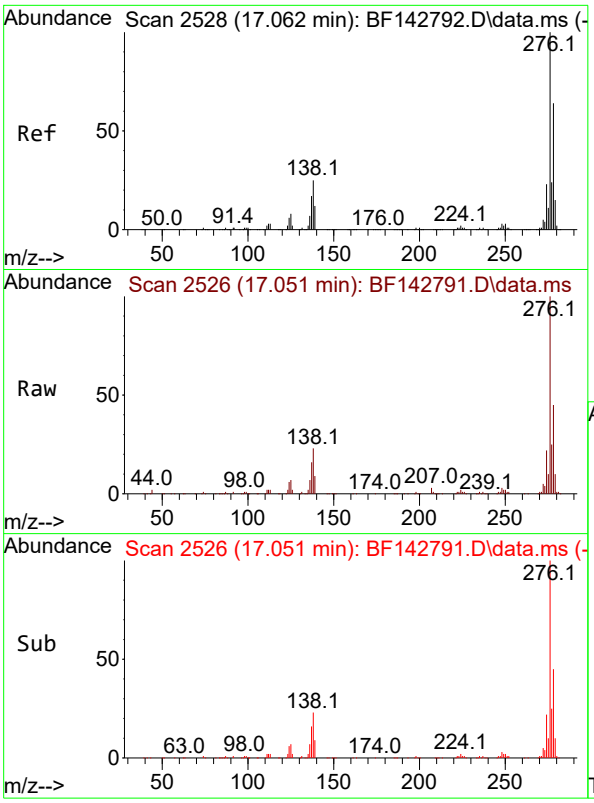




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:264 Resp: 151331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.7 | 18.1 | 27.1 |
| 265 | 21.4 | 16.6 | 25.0 |



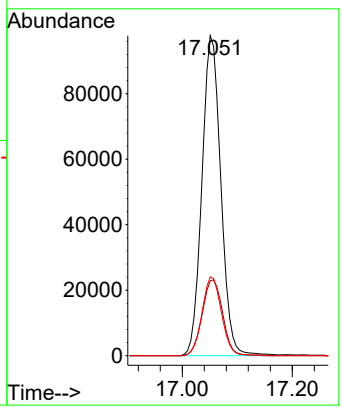


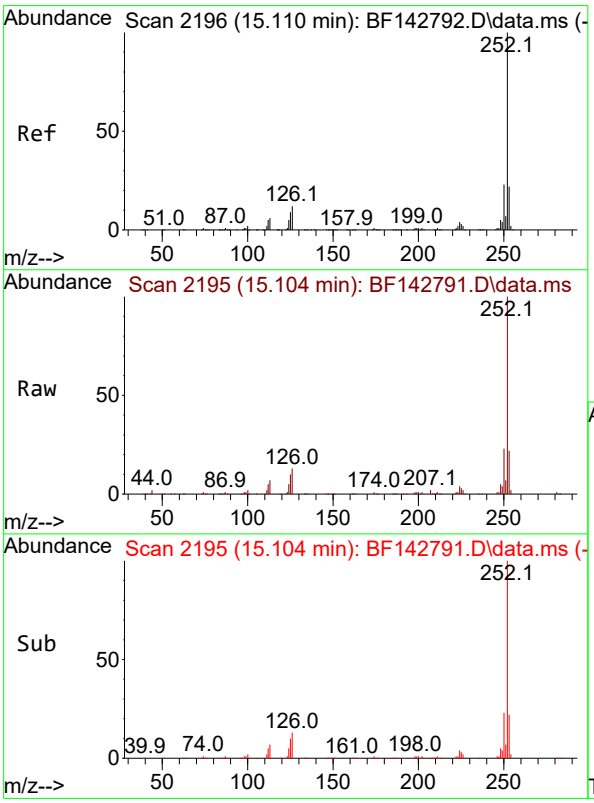

#87
Indeno(1,2,3-cd)pyrene
Concen: 20.893 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:276 Resp: 233757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.6 | 20.2 | 30.4 |
| 277 | 25.2 | 19.8 | 29.6 |

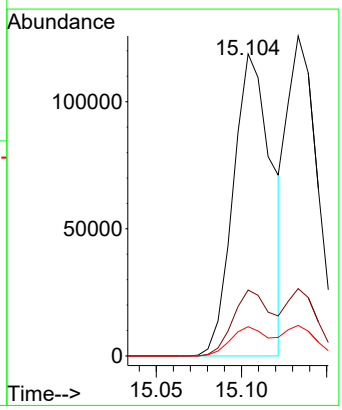


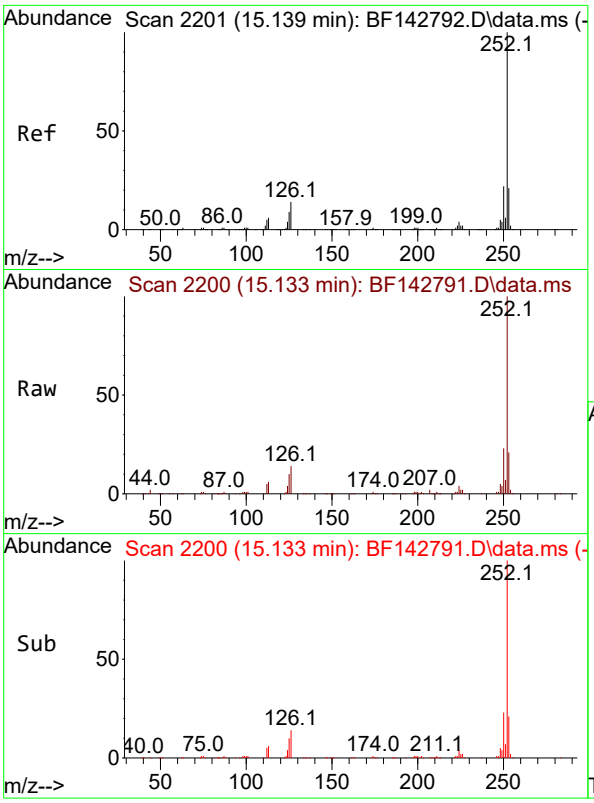




#88
Benzo(b)fluoranthene
Concen: 21.056 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:252 Resp: 185574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.5 | 26.3 |
| 125 | 9.7 | 7.4 | 11.0 |



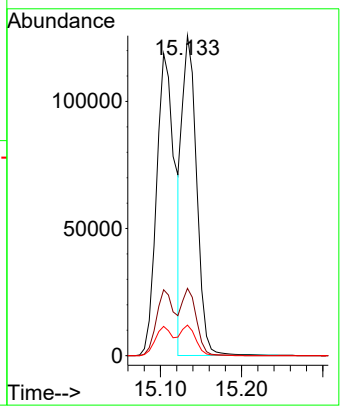


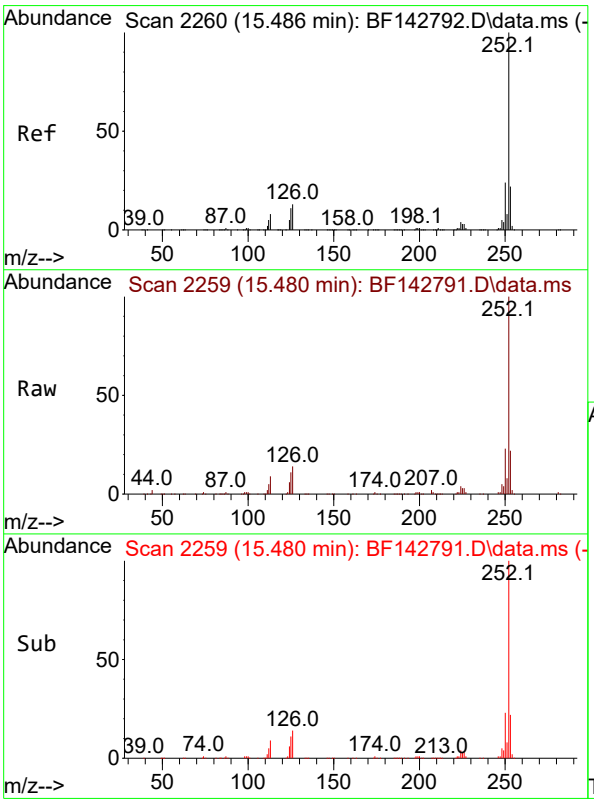

#89
Benzo(k)fluoranthene
Concen: 18.201 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:252 Resp: 156588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.1 | 17.2 | 25.8 |
| 125 | 9.6 | 7.4 | 11.2 |

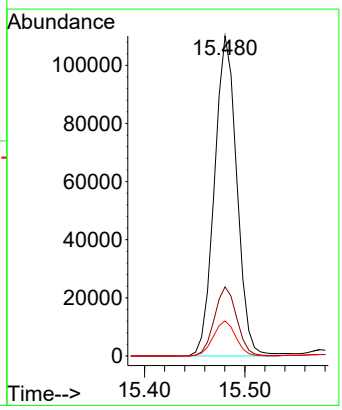


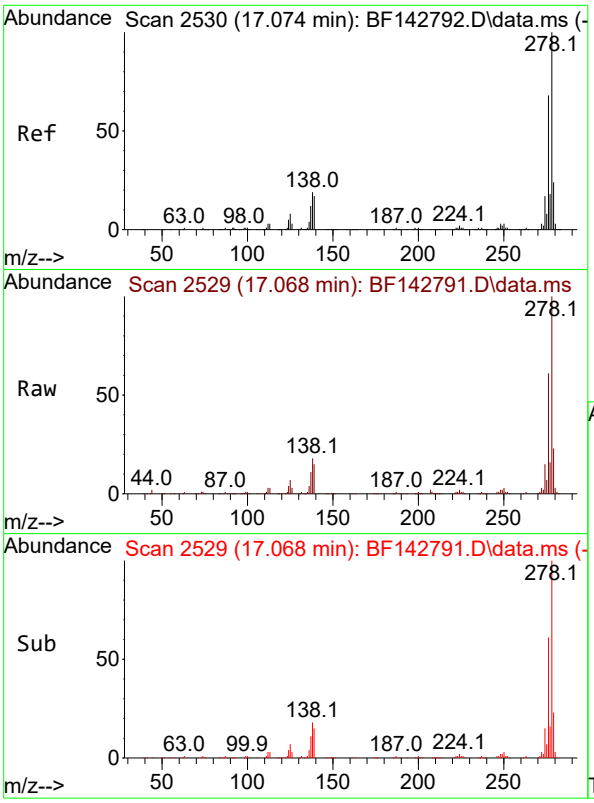




#90
Benzo(a)pyrene
Concen: 20.162 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:252 Resp: 170053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.5 | 26.3 |
| 125 | 11.0 | 8.6 | 12.8 |



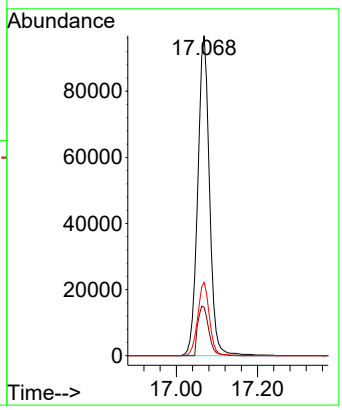


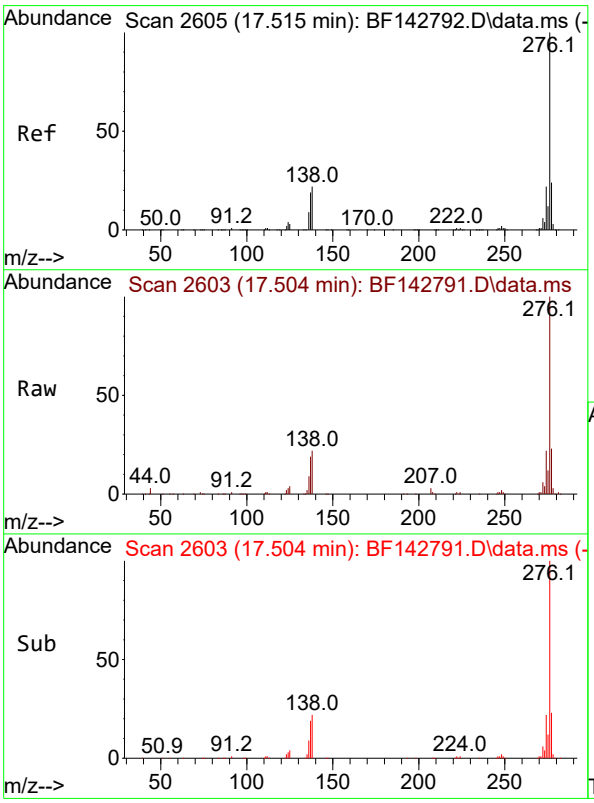

#91
Dibenzo(a,h)anthracene
Concen: 21.504 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

Tgt Ion:278 Resp: 195608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.1 | 13.5 | 20.3 |
| 279 | 22.9 | 18.8 | 28.2 |

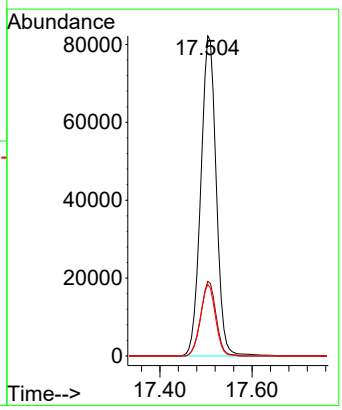



#92
Benzo(g,h,i)perylene
Concen: 21.109 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:276 Resp: 191567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 18.8 | 28.2 |
| 138 | 22.3 | 17.6 | 26.4 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142792.D
Acq On : 19 Jun 2025 19:09
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Quant Time: Jun 20 04:39:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 83734 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.169 | 136 | 313297 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.922 | 164 | 161991 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.410 | 188 | 263346 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.057 | 240 | 142481 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 170267 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.492 | 112 | 384996 | 78.420 | ng | 0.00 |
| 7) Phenol-d6 | 6.510 | 99 | 448961 | 77.879 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.445 | 82 | 443431 | 77.580 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.716 | 330 | 129669 | 73.654 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.245 | 172 | 926905 | 76.120 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.998 | 244 | 756495 | 73.897 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.640 | 88 | 77194 | 39.596 | ng | 100 |
| 3) Pyridine | 3.410 | 79 | 194866 | 39.924 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.357 | 42 | 99851 | 39.943 | ng | 100 |
| 6) Aniline | 6.545 | 93 | 304377 | 39.397 | ng | 100 |
| 8) 2-Chlorophenol | 6.663 | 128 | 208444 | 38.992 | ng | 100 |
| 9) Benzaldehyde | 6.434 | 77 | 126748 | 36.063 | ng | 100 |
| 10) Phenol | 6.522 | 94 | 253916 | 39.504 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 6.616 | 93 | 179469 | 37.634 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 230658 | 37.892 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 235951 | 38.243 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 222976 | 37.805 | ng | 100 |
| 15) Benzyl Alcohol | 7.022 | 79 | 163491 | 37.888 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45 | 288515 | 38.400 | ng | 100 |
| 17) 2-Methylphenol | 7.134 | 107 | 157159 | 38.454 | ng | 100 |
| 18) Hexachloroethane | 7.392 | 117 | 83524 | 37.870 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 7.292 | 70 | 131792 | 36.251 | ng | 100 |
| 20) 3+4-Methylphenols | 7.286 | 107 | 196876 | 38.274 | ng | 100 |
| 22) Acetophenone | 7.292 | 105 | 262224 | 37.828 | ng | 100 |
| 24) Nitrobenzene | 7.463 | 77 | 200051 | 39.383 | ng | 100 |
| 25) Isophorone | 7.704 | 82 | 347894 | 36.294 | ng | 100 |
| 26) 2-Nitrophenol | 7.781 | 139 | 111792 | 39.497 | ng | 100 |
| 27) 2,4-Dimethylphenol | 7.816 | 122 | 187808 | 38.974 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.910 | 93 | 222264 | 37.249 | ng | 100 |
| 29) 2,4-Dichlorophenol | 8.022 | 162 | 171329 | 38.576 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.104 | 180 | 187194 | 38.155 | ng | 100 |
| 31) Naphthalene | 8.186 | 128 | 584986 | 37.966 | ng | 100 |
| 32) Benzoic acid | 7.922 | 122 | 98210 | 36.734 | ng | 100 |
| 33) 4-Chloroaniline | 8.233 | 127 | 237317 | 38.432 | ng | 100 |
| 34) Hexachlorobutadiene | 8.304 | 225 | 115333 | 37.099 | ng | 100 |
| 35) Caprolactam | 8.604 | 113 | 44914 | 37.583 | ng | 100 |
| 36) 4-Chloro-3-methylphenol | 8.716 | 107 | 168353 | 36.695 | ng | 100 |
| 37) 2-Methylnaphthalene | 8.880 | 142 | 362692 | 37.313 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.980 | 142 | 374836 | 37.143 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.045 | 216 | 180481 | 38.596 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 9.033 | 237 | 108999 | 36.863 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 9.157 | 196 | 118412 | 39.129 | ng | 100 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142792.D
Acq On : 19 Jun 2025 19:09
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Quant Time: Jun 20 04:39:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.198 | 196 | 126712 | 38.774 ng | 100 |
| 46) 1,1'-Biphenyl | 9.345 | 154 | 487587 | 38.765 ng | 100 |
| 47) 2-Chloronaphthalene | 9.369 | 162 | 365760 | 39.408 ng | 100 |
| 48) 2-Nitroaniline | 9.463 | 65 | 105098 | 39.858 ng | 100 |
| 49) Acenaphthylene | 9.786 | 152 | 603057 | 38.649 ng | 100 |
| 50) Dimethylphthalate | 9.645 | 163 | 397980 | 37.038 ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.704 | 165 | 89811 | 38.557 ng | 100 |
| 52) Acenaphthene | 9.957 | 154 | 369889 | 38.310 ng | 100 |
| 53) 3-Nitroaniline | 9.875 | 138 | 97950 | 38.714 ng | 100 |
| 54) 2,4-Dinitrophenol | 9.980 | 184 | 46000 | 36.494 ng | 100 |
| 55) Dibenzofuran | 10.127 | 168 | 526718 | 38.235 ng | 100 |
| 56) 4-Nitrophenol | 10.033 | 139 | 67375 | 39.230 ng | 100 |
| 57) 2,4-Dinitrotoluene | 10.110 | 165 | 119021 | 38.644 ng | 100 |
| 58) Fluorene | 10.475 | 166 | 408102 | 37.535 ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232 | 100957 | 36.847 ng | 100 |
| 60) Diethylphthalate | 10.339 | 149 | 392278 | 36.752 ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204 | 193928 | 36.726 ng | 100 |
| 62) 4-Nitroaniline | 10.486 | 138 | 88142 | 38.806 ng | 100 |
| 63) Azobenzene | 10.622 | 77 | 350110 | 37.534 ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198 | 62800 | 38.375 ng | 100 |
| 66) n-Nitrosodiphenylamine | 10.580 | 169 | 353033 | 39.014 ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248 | 114874 | 37.246 ng | 100 |
| 68) Hexachlorobenzene | 11.022 | 284 | 126882 | 37.057 ng | 100 |
| 69) Atrazine | 11.104 | 200 | 91444 | 38.060 ng | 100 |
| 70) Pentachlorophenol | 11.216 | 266 | 65999 | 37.113 ng | 100 |
| 71) Phenanthrene | 11.439 | 178 | 542935 | 38.508 ng | 100 |
| 72) Anthracene | 11.486 | 178 | 560180 | 38.384 ng | 100 |
| 73) Carbazole | 11.645 | 167 | 473801 | 38.769 ng | 100 |
| 74) Di-n-butylphthalate | 11.969 | 149 | 498285 | 36.824 ng | 100 |
| 75) Fluoranthene | 12.627 | 202 | 502656 | 37.522 ng | 100 |
| 77) Benzidine | 12.745 | 184 | 220379 | 43.691 ng | 100 |
| 78) Pyrene | 12.857 | 202 | 496538 | 37.911 ng | 100 |
| 80) Butylbenzylphthalate | 13.468 | 149 | 155920 | 40.172 ng | 100 |
| 81) Benzo(a)anthracene | 14.045 | 228 | 360377 | 38.522 ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.004 | 252 | 122140 | 40.321 ng | 100 |
| 83) Chrysene | 14.080 | 228 | 331830 | 38.101 ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149 | 228949 | 39.589 ng | 100 |
| 85) Di-n-octyl phthalate | 14.645 | 149 | 416971 | 37.837 ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.062 | 276 | 501803 | 39.863 ng | 100 |
| 88) Benzo(b)fluoranthene | 15.110 | 252 | 365164 | 36.825 ng | 100 |
| 89) Benzo(k)fluoranthene | 15.139 | 252 | 352993 | 36.466 ng | 100 |
| 90) Benzo(a)pyrene | 15.486 | 252 | 363990 | 38.357 ng | 100 |
| 91) Dibenzo(a,h)anthracene | 17.074 | 278 | 401876 | 39.266 ng | 100 |
| 92) Benzo(g,h,i)perylene | 17.515 | 276 | 404711 | 39.635 ng | 100 |

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

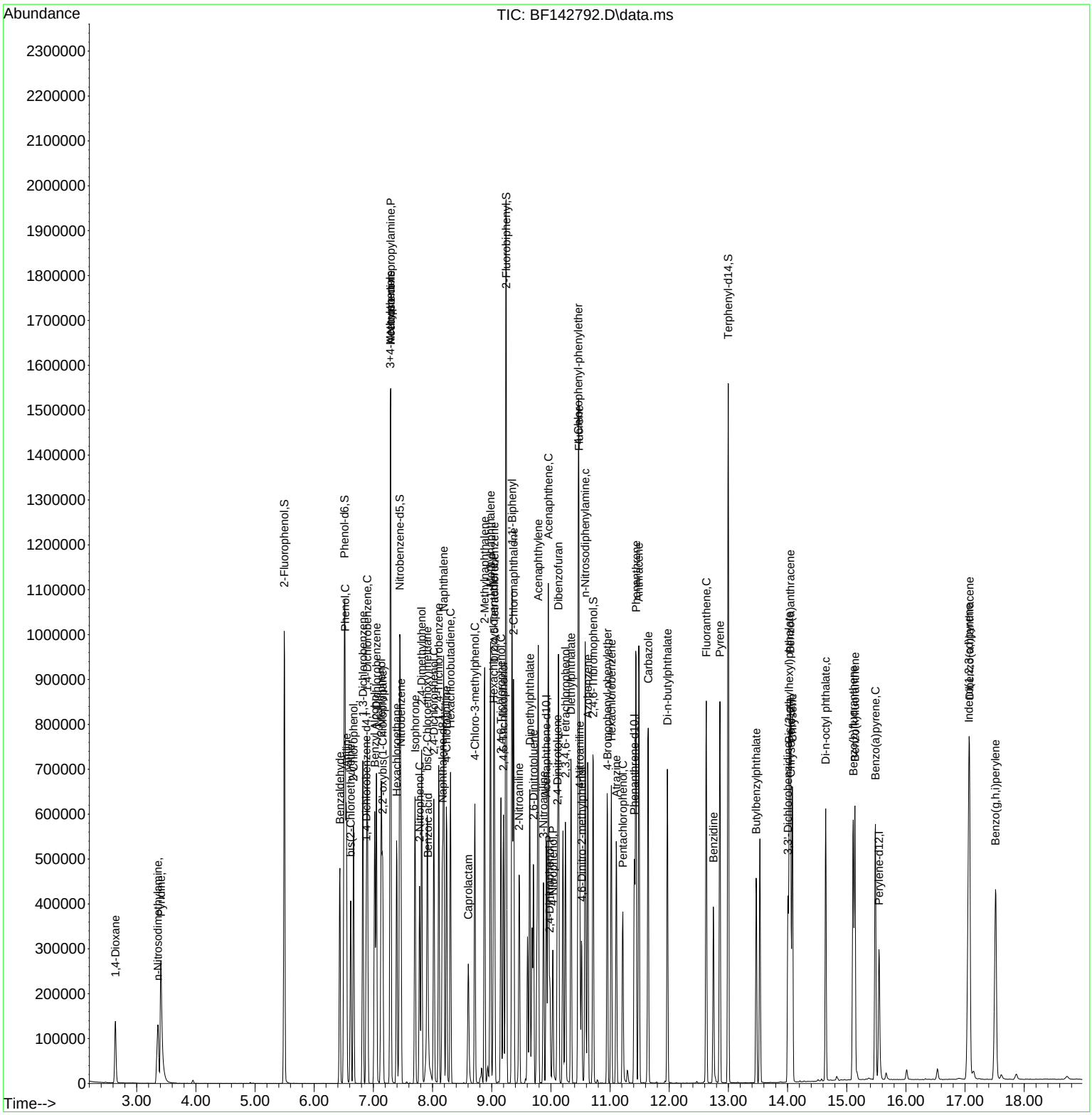
Quantitation Report (QT Reviewed)

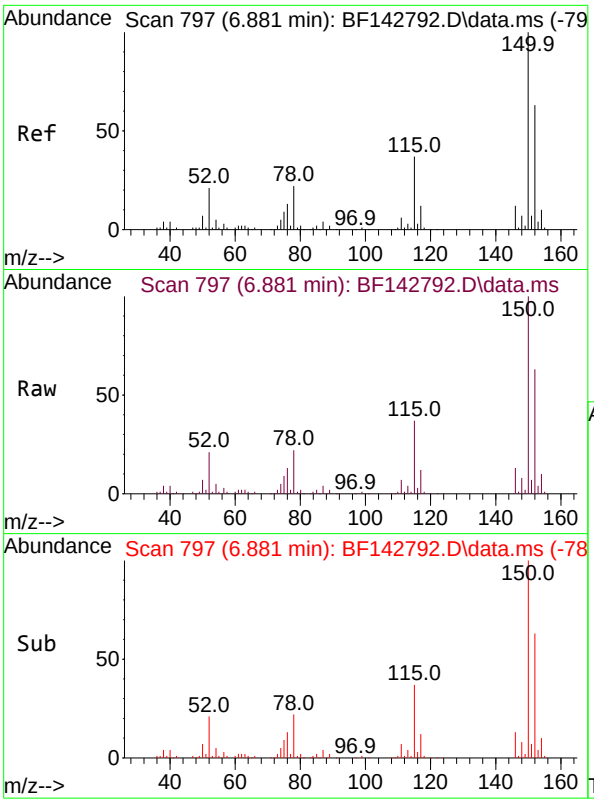
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142792.D
Acq On : 19 Jun 2025 19:09
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Quant Time: Jun 20 04:39:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



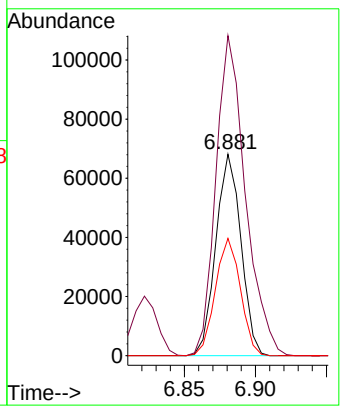


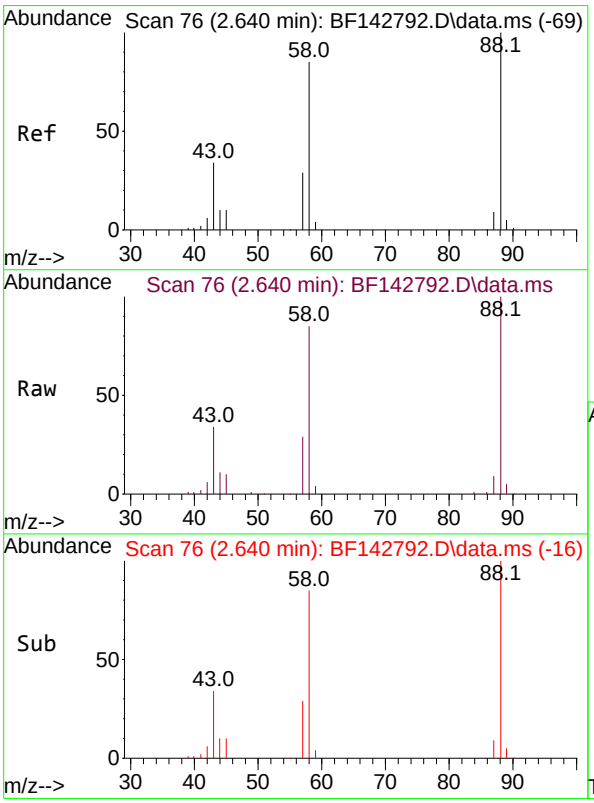

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:152 Resp: 83734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.0 | 127.2 | 190.8 |
| 115 | 58.2 | 46.6 | 69.8 |

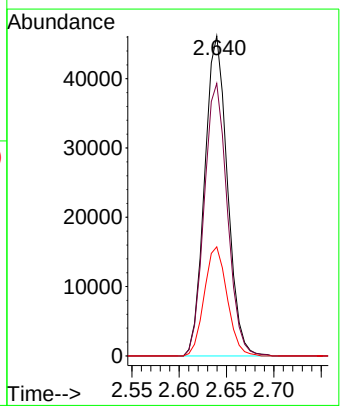


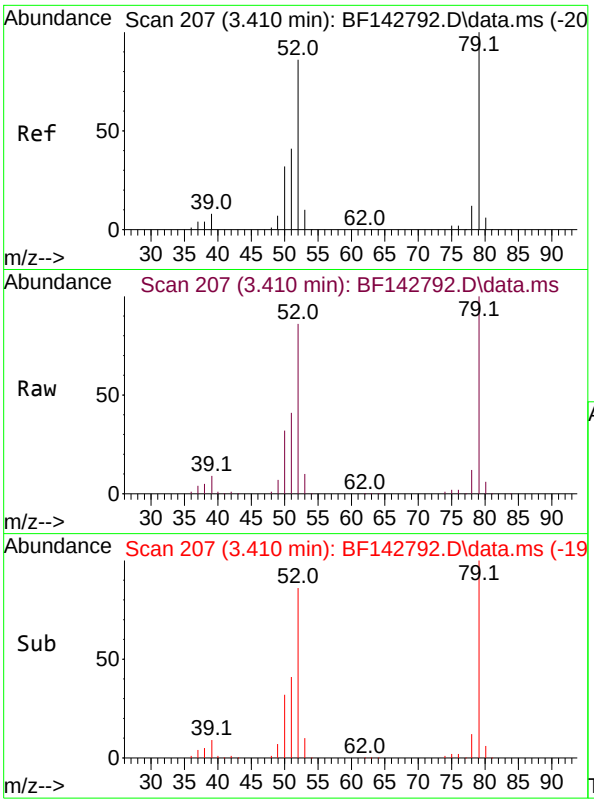




#2
1,4-Dioxane
Concen: 39.596 ng
RT: 2.640 min Scan# 76
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 88 Resp: 77194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 86.4 | 69.1 | 103.7 |
| 43 | 34.3 | 27.4 | 41.2 |



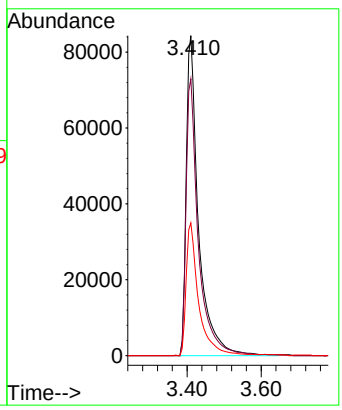


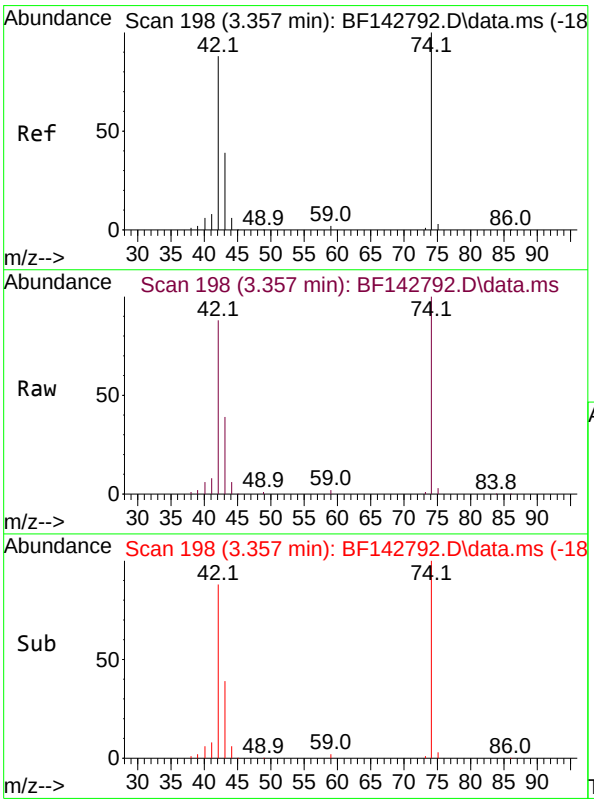

#3
Pyridine
Concen: 39.924 ng
RT: 3.410 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 79 Resp: 194866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 86.5 | 69.2 | 103.8 |
| 51 | 41.5 | 33.2 | 49.8 |

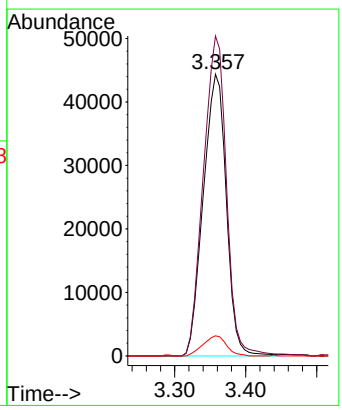


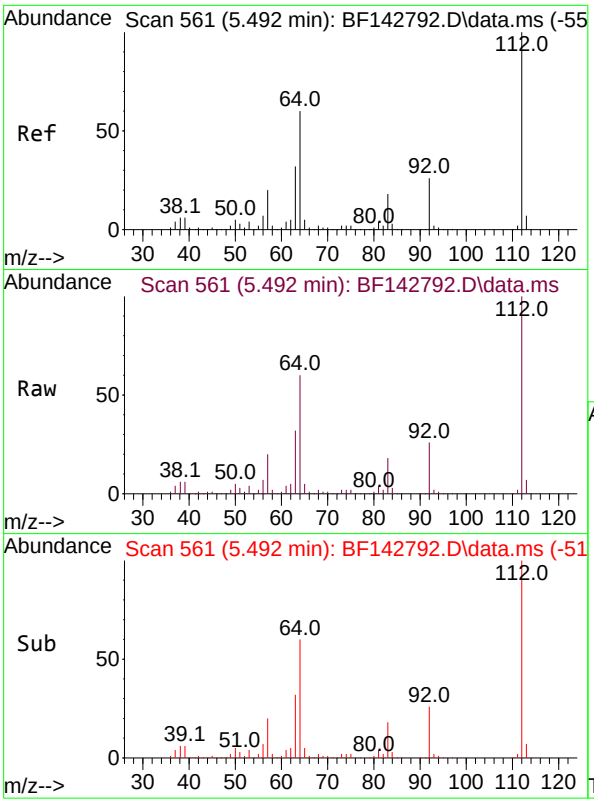




#4
n-Nitrosodimethylamine
Concen: 39.943 ng
RT: 3.357 min Scan# 198
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 42 Resp: 99851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 113.6 | 90.9 | 136.3 |
| 44 | 7.2 | 5.8 | 8.6 |



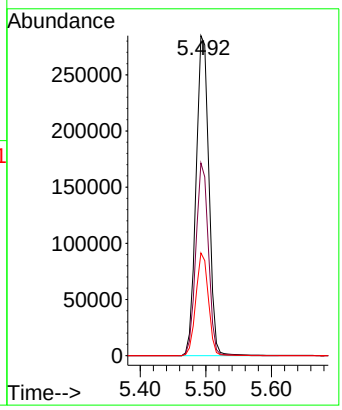


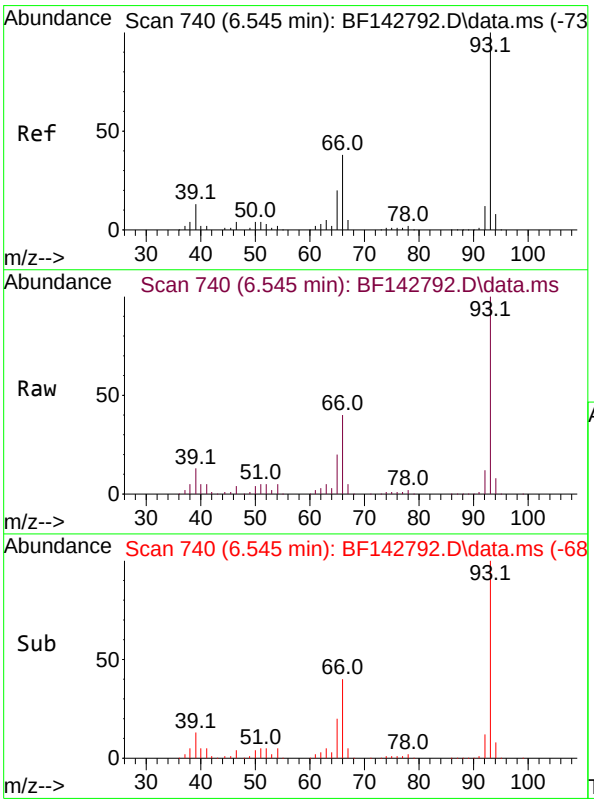

#5
2-Fluorophenol
Concen: 78.420 ng
RT: 5.492 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:112 Resp: 384996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.2 | 48.2 | 72.2 |
| 63 | 32.1 | 25.7 | 38.5 |

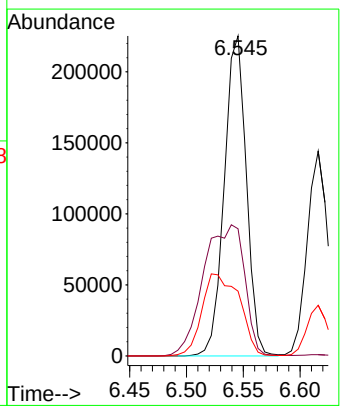


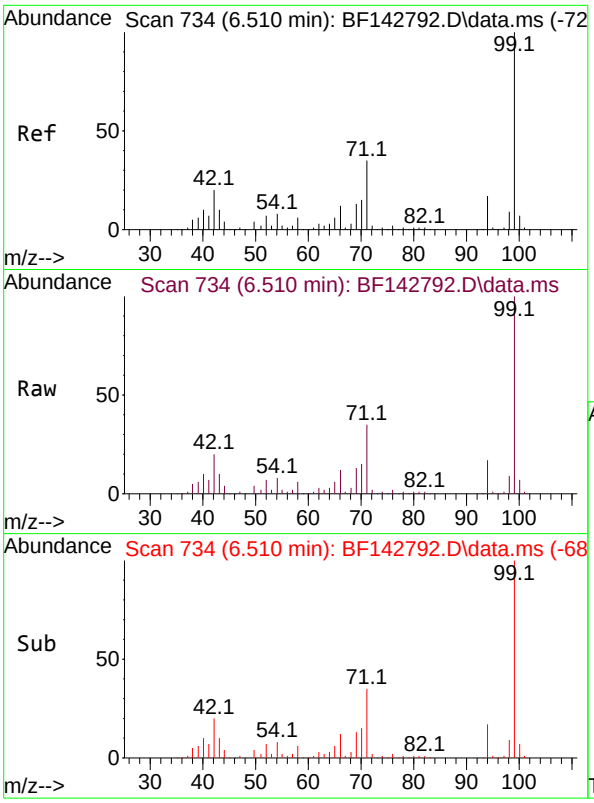




#6
Aniline
Concen: 39.397 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 93 Resp: 304377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.7 | 31.8 | 47.6 |
| 65 | 20.2 | 16.2 | 24.2 |



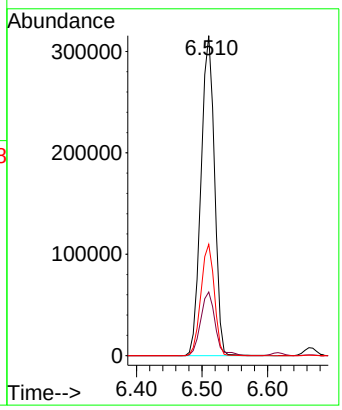


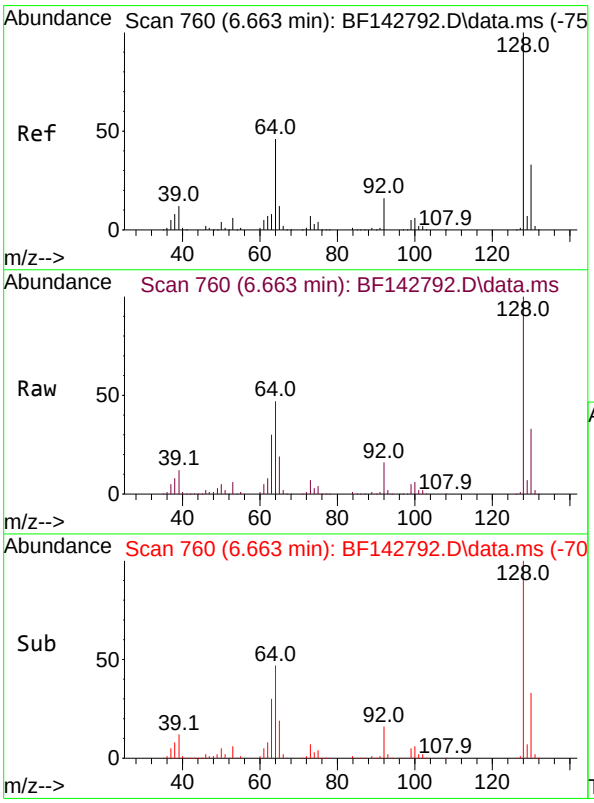

#7
Phenol-d6
Concen: 77.879 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 99 Resp: 448961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.9 | 15.9 | 23.9 |
| 71 | 34.8 | 27.8 | 41.8 |

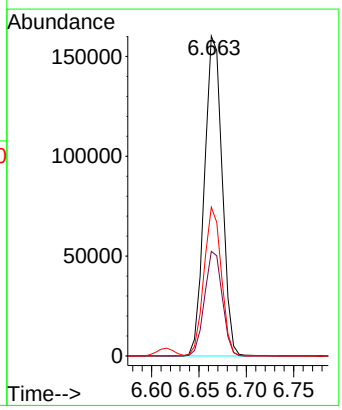


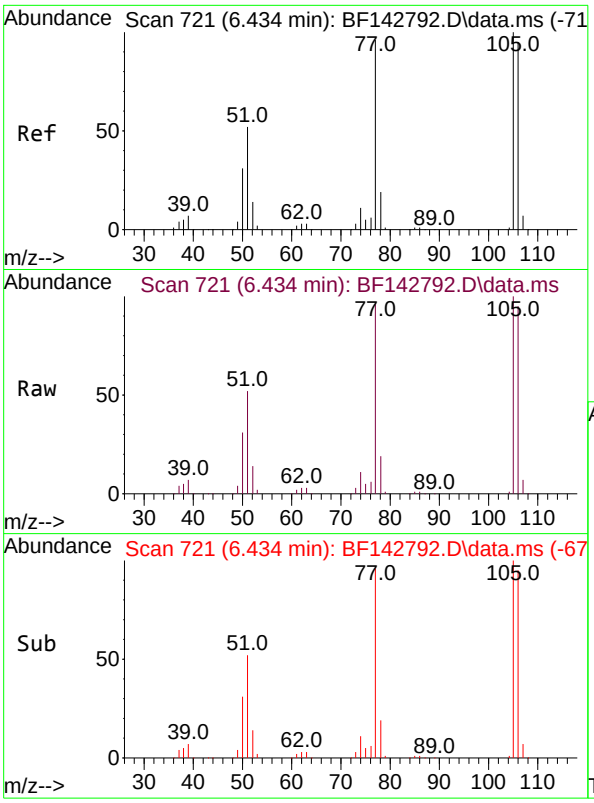




#8
2-Chlorophenol
Concen: 38.992 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:128 Resp: 208444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.7 | 12.7 | 52.7 |
| 64 | 46.5 | 26.5 | 66.5 |



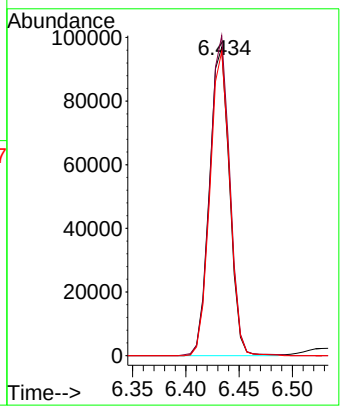


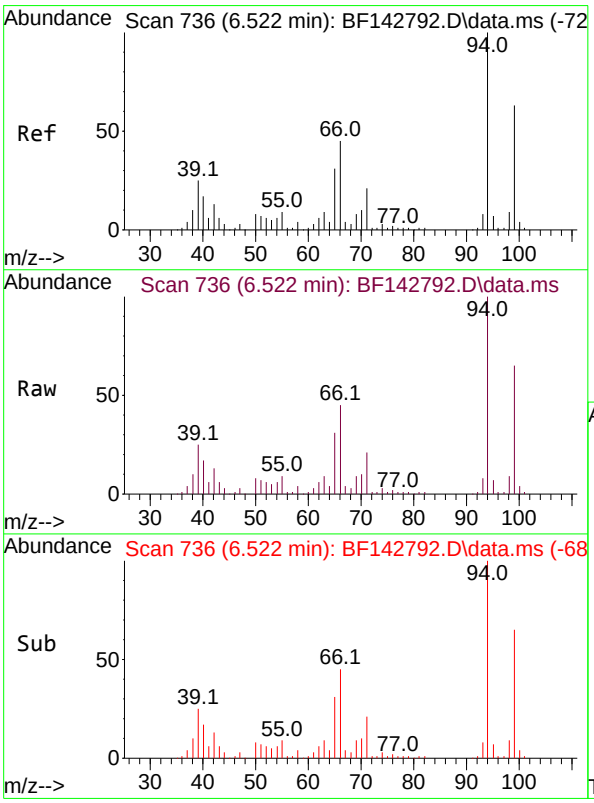

#9
Benzaldehyde
Concen: 36.063 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 77 Resp: 126748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 103.8 | 83.8 | 123.8 |
| 106 | 98.7 | 78.7 | 118.7 |

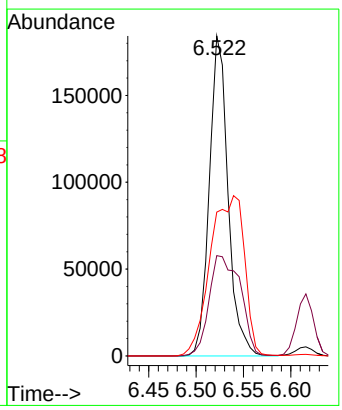


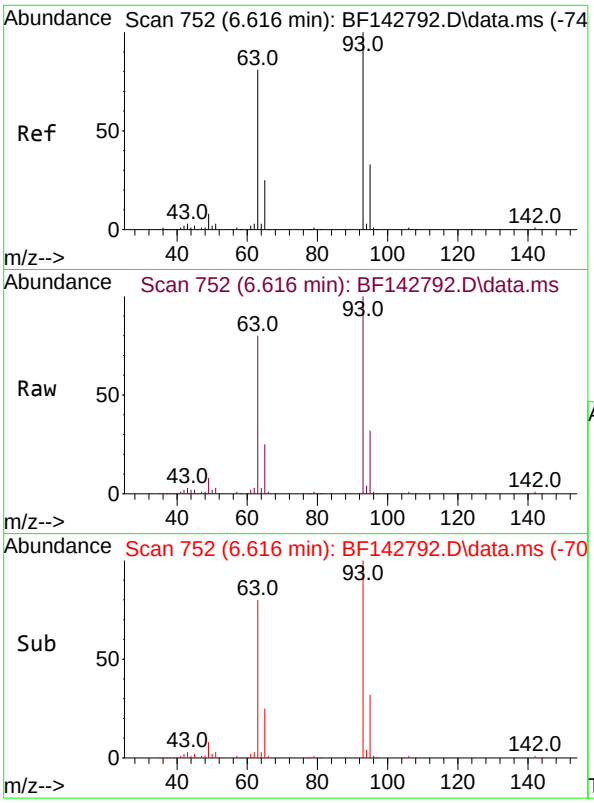




#10
Phenol
Concen: 39.504 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 94 Resp: 253916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 31.3 | 11.3 | 51.3 |
| 66 | 44.9 | 24.9 | 64.9 |



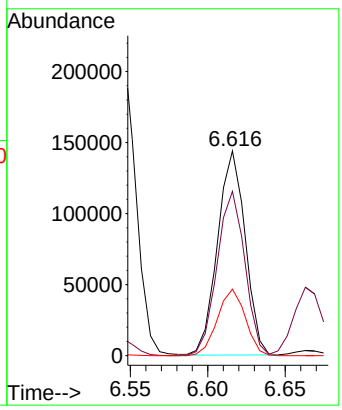


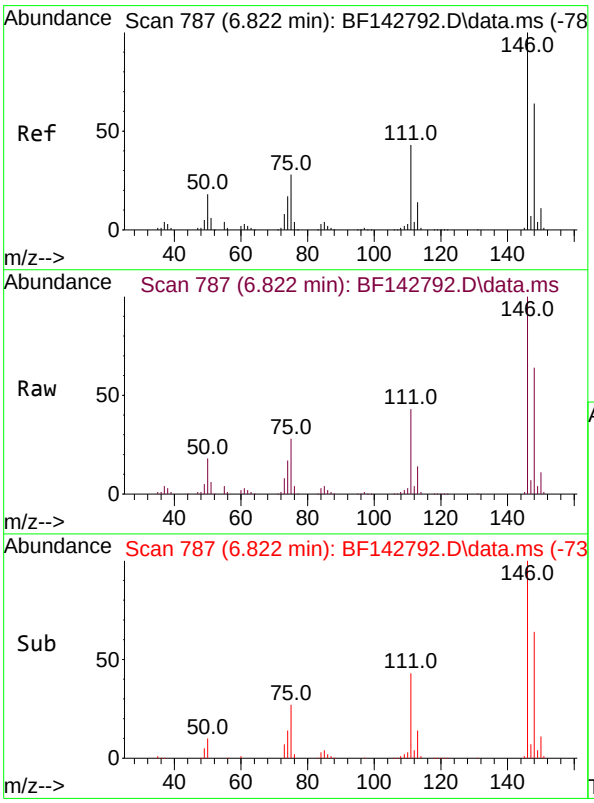

#11
bis(2-Chloroethyl)ether
Concen: 37.634 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 93 Resp: 179469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 80.3 | 60.3 | 100.3 |
| 95 | 32.5 | 12.5 | 52.5 |

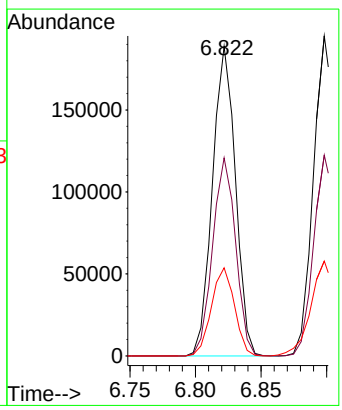


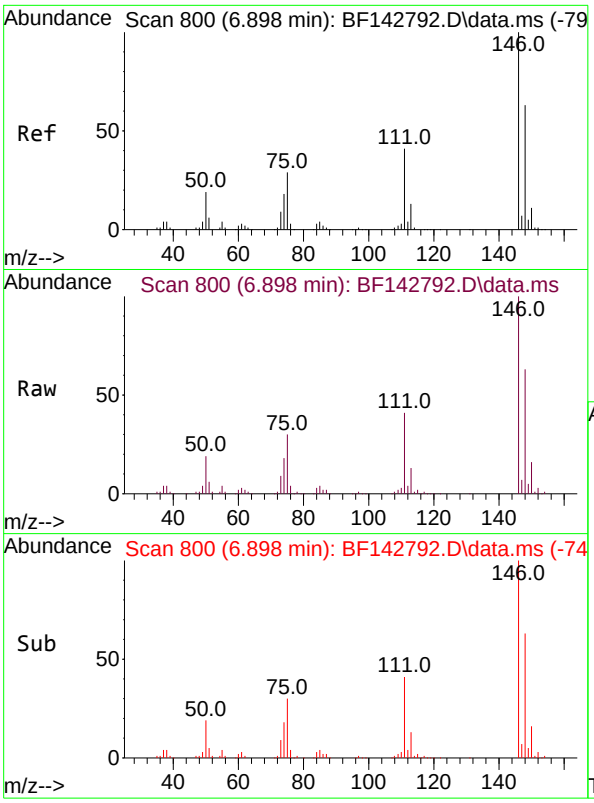




#12
1,3-Dichlorobenzene
Concen: 37.892 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:146 Resp: 230658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 51.1 | 76.7 |
| 75 | 28.4 | 22.7 | 34.1 |



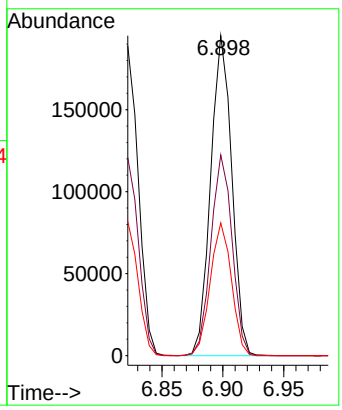


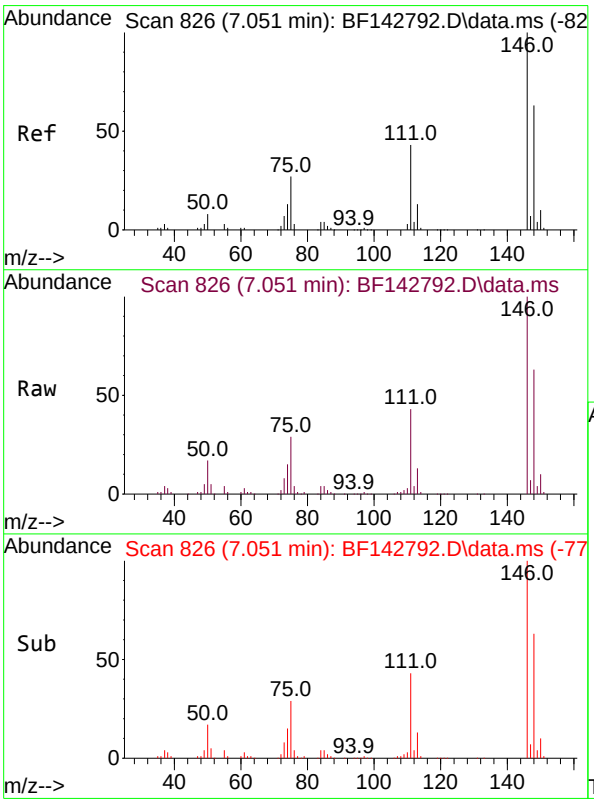

#13
1,4-Dichlorobenzene
Concen: 38.243 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:146 Resp: 235951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.7 | 50.2 | 75.2 |
| 111 | 41.5 | 33.2 | 49.8 |

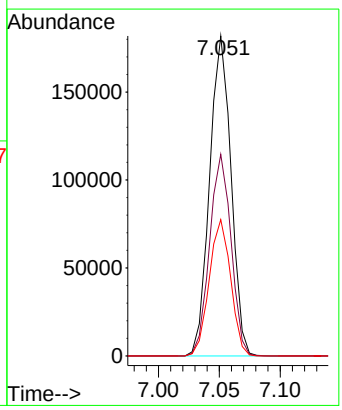


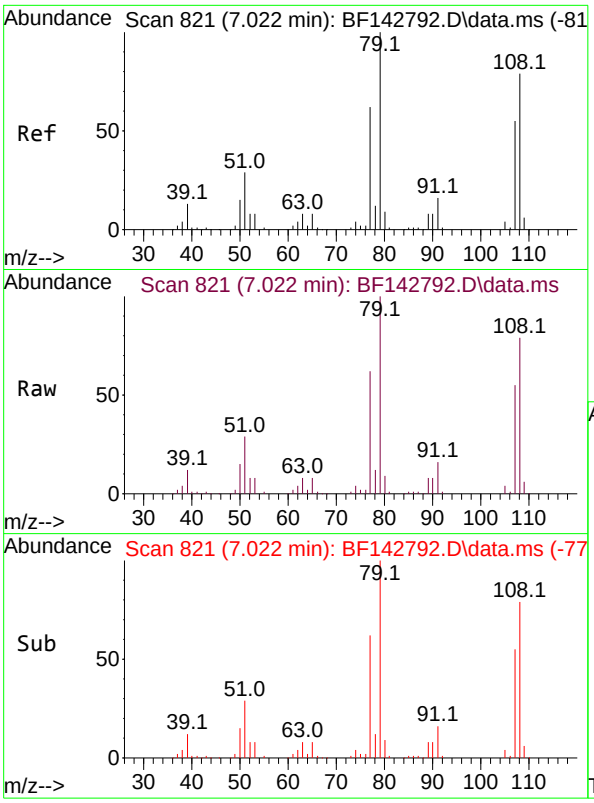




#14
1,2-Dichlorobenzene
Concen: 37.805 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:146 Resp: 222976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.0 | 50.4 | 75.6 |
| 111 | 42.6 | 34.1 | 51.1 |



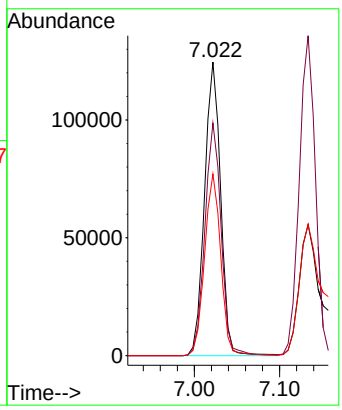


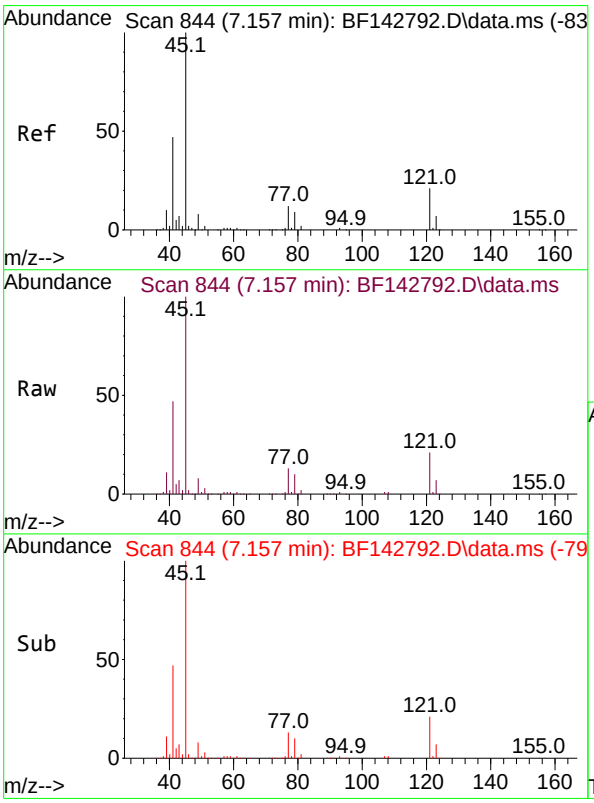

#15
Benzyl Alcohol
Concen: 37.888 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 79 Resp: 163491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 79.2 | 63.4 | 95.0 |
| 77 | 61.9 | 49.5 | 74.3 |

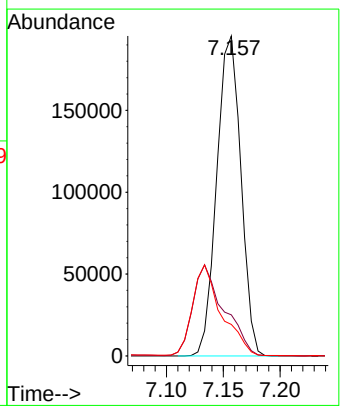


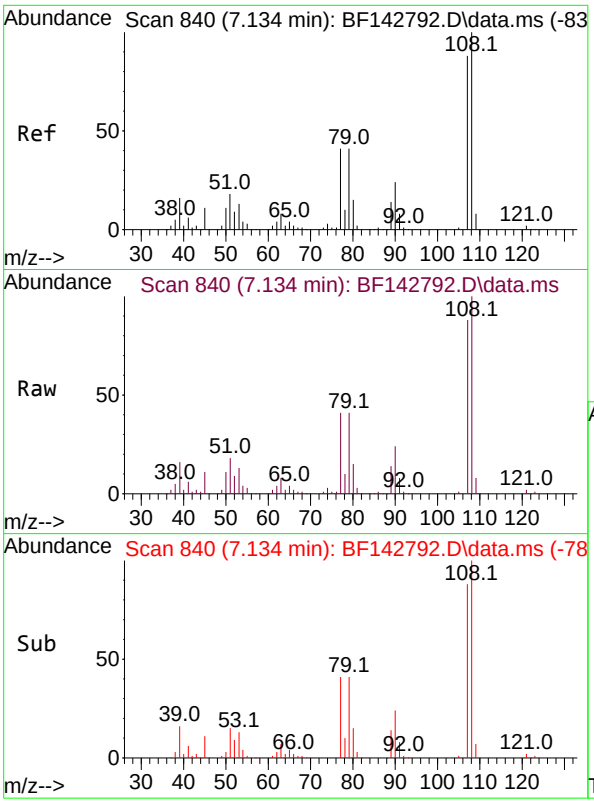




#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.400 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 45 Resp: 288515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 12.8 | 0.0 | 32.8 |
| 79 | 9.8 | 0.0 | 29.8 |



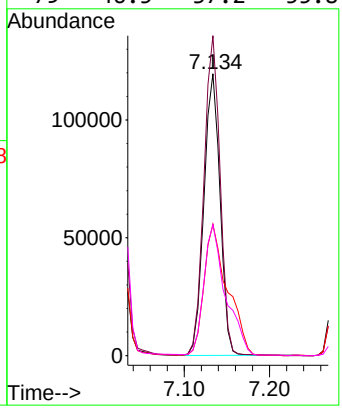


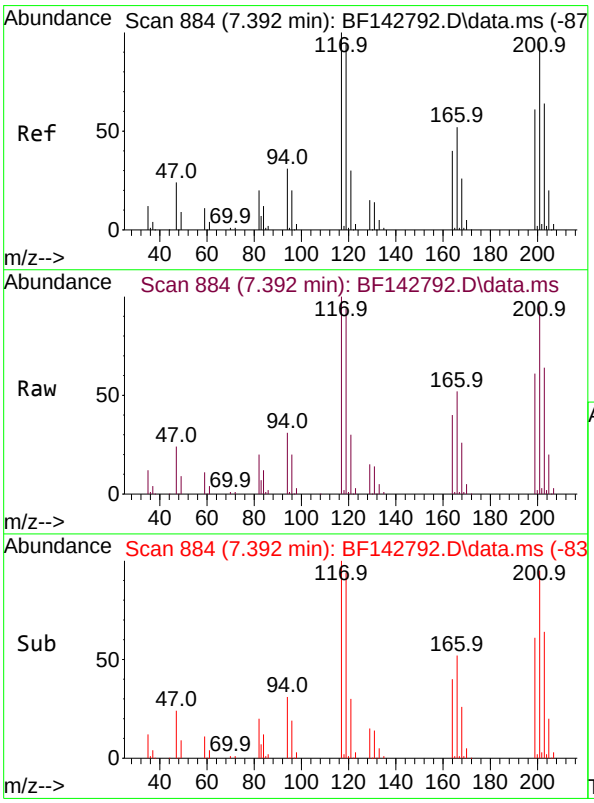

#17
2-Methylphenol
Concen: 38.454 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:107 Resp: 157159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.6 | 90.9 | 136.3 |
| 77 | 46.6 | 37.3 | 55.9 |
| 79 | 46.5 | 37.2 | 55.8 |

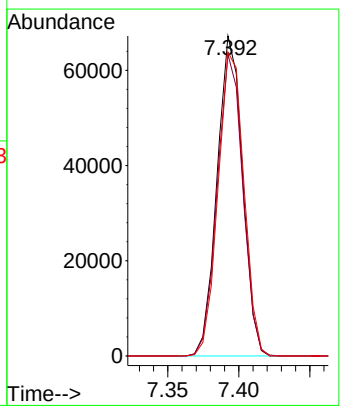


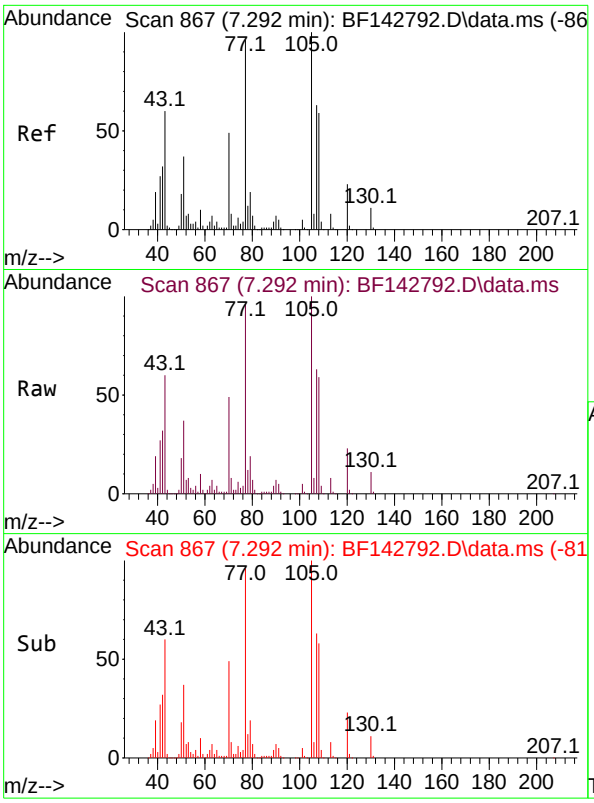




#18
Hexachloroethane
Concen: 37.870 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:117 Resp: 83524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.2 | 75.4 | 113.0 |
| 201 | 94.9 | 75.9 | 113.9 |



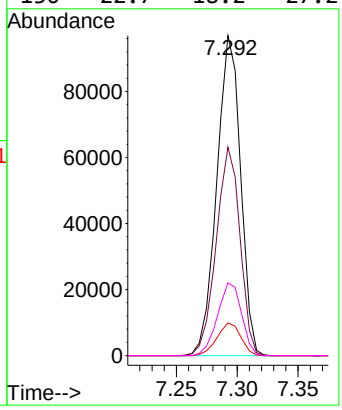


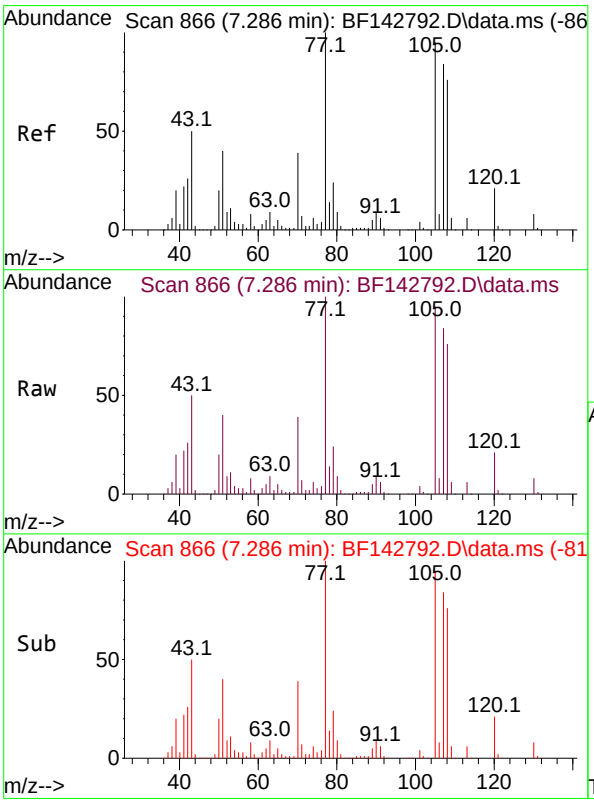

#19
n-Nitroso-di-n-propylamine
Concen: 36.251 ng
RT: 7.292 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 70 Resp: 131792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 65.1 | 52.1 | 78.1 |
| 101 | 10.2 | 8.2 | 12.2 |
| 130 | 22.7 | 18.2 | 27.2 |

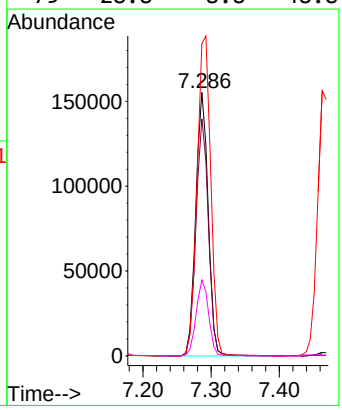


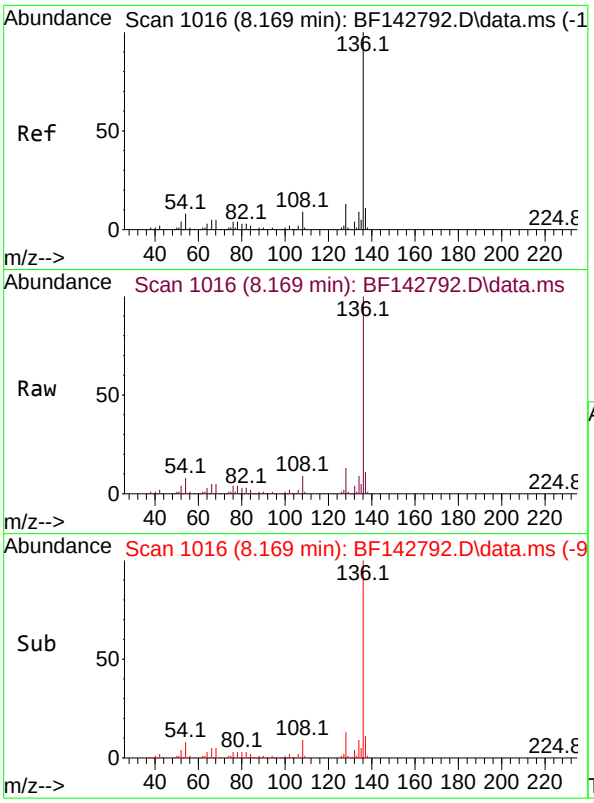




#20
3+4-Methylphenols
Concen: 38.274 ng
RT: 7.286 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:107 Resp: 196876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.0 | 70.0 | 110.0 |
| 77 | 118.5 | 98.5 | 138.5 |
| 79 | 28.8 | 8.8 | 48.8 |



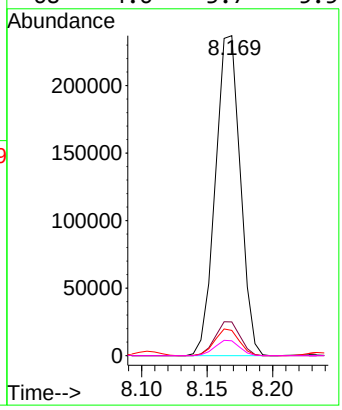


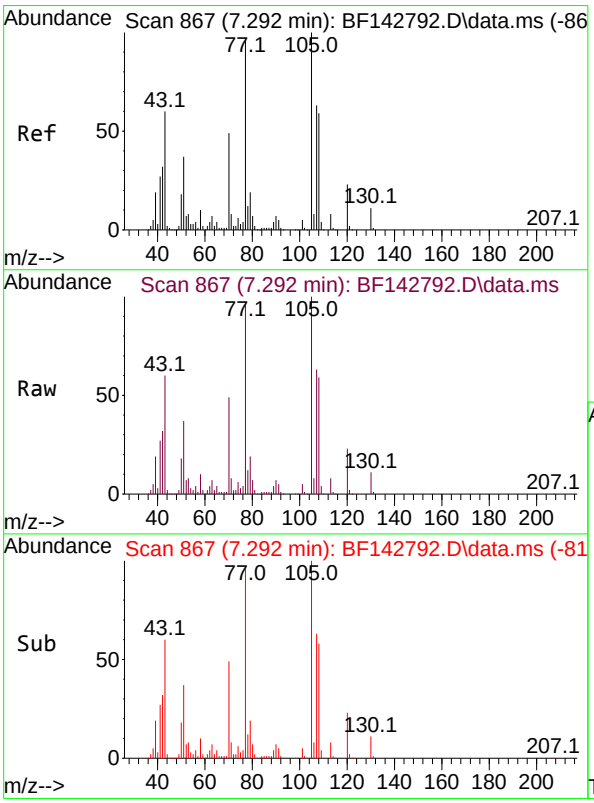

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:136 Resp: 313297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.5 | 8.4 | 12.6 |
| 54 | 7.9 | 6.3 | 9.5 |
| 68 | 4.6 | 3.7 | 5.5 |

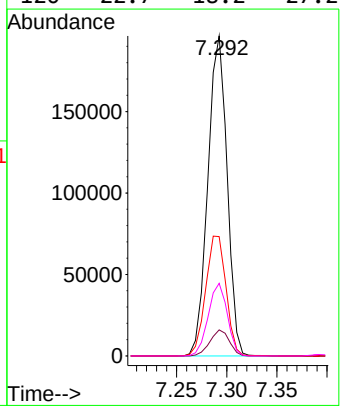


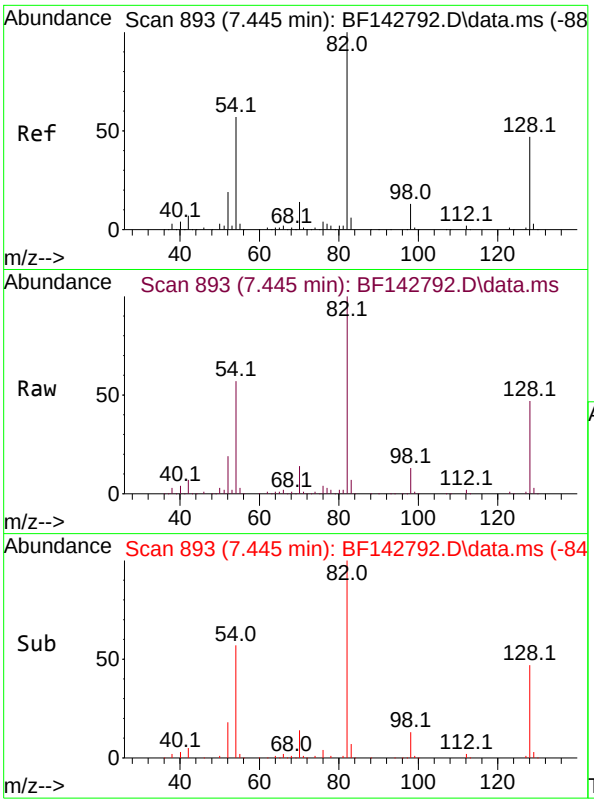




#22
Acetophenone
Concen: 37.828 ng
RT: 7.292 min Scan# 867
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:105 Resp: 262224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.1 | 6.5 | 9.7 |
| 51 | 37.3 | 29.8 | 44.8 |
| 120 | 22.7 | 18.2 | 27.2 |



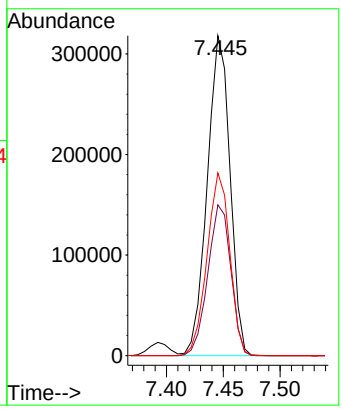


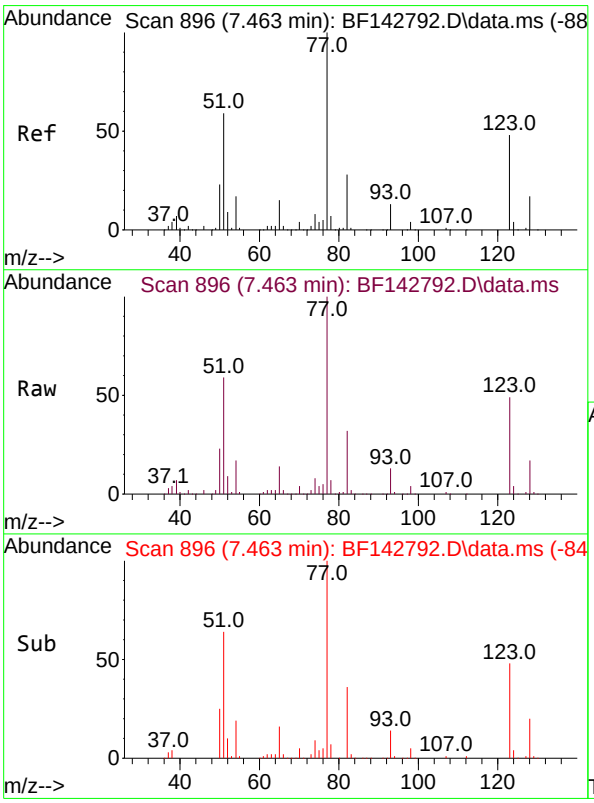

#23
Nitrobenzene-d5
Concen: 77.580 ng
RT: 7.445 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 82 Resp: 443431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.1 | 37.7 | 56.5 |
| 54 | 57.1 | 45.7 | 68.5 |

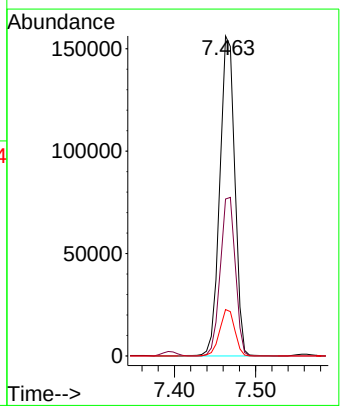


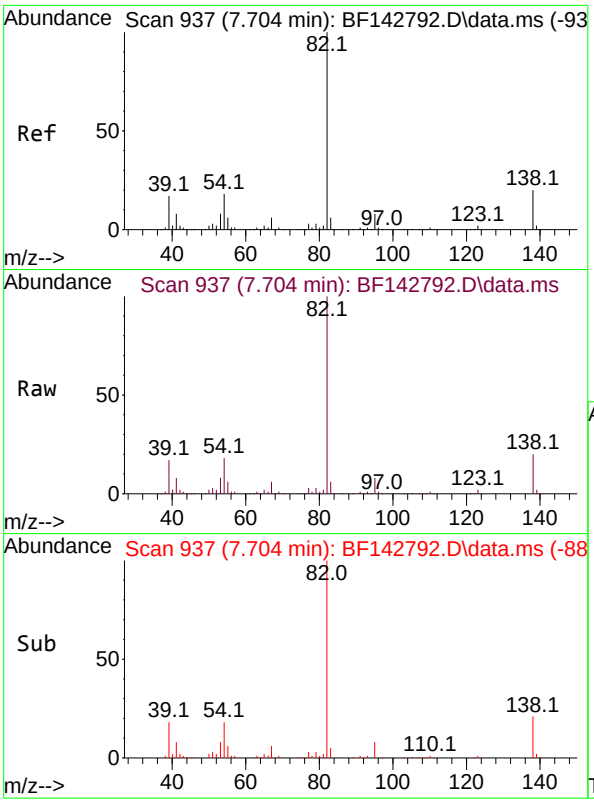




#24
Nitrobenzene
Concen: 39.383 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 77 Resp: 200051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 49.0 | 39.2 | 58.8 |
| 65 | 14.5 | 11.6 | 17.4 |



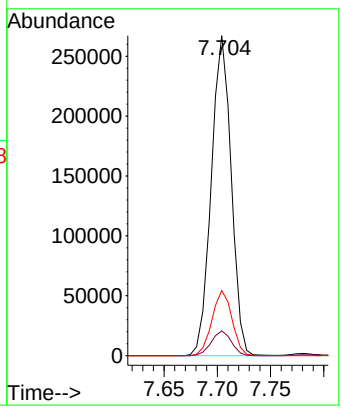


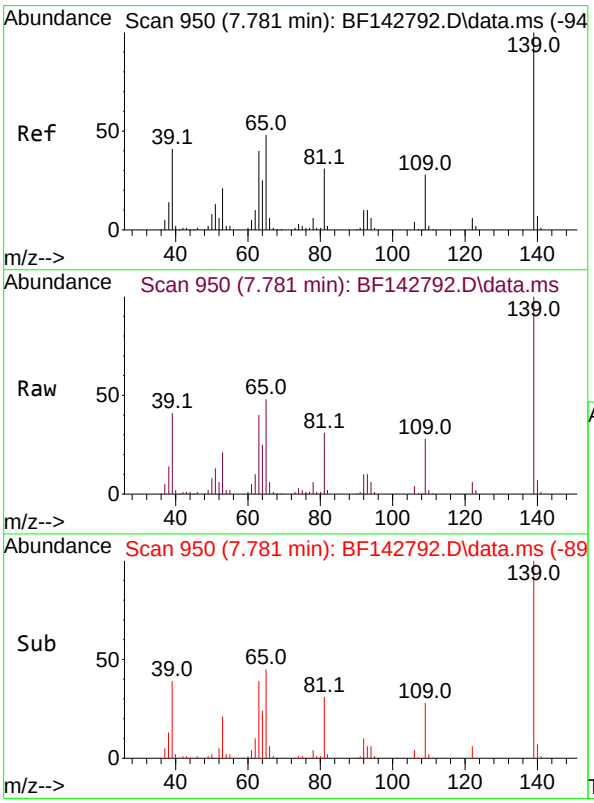

#25
Isophorone
Concen: 36.294 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 82 Resp: 347894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.7 | 6.2 | 9.2 |
| 138 | 20.3 | 16.2 | 24.4 |

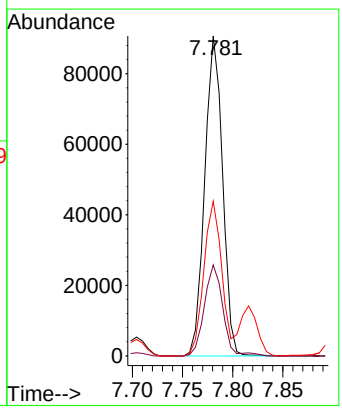


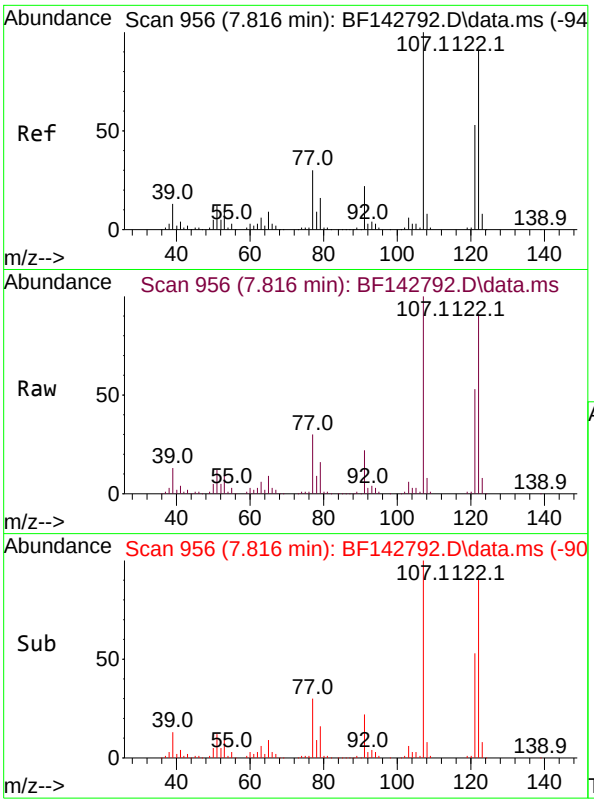




#26
2-Nitrophenol
Concen: 39.497 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:139 Resp: 111792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 28.4 | 22.7 | 34.1 |
| 65 | 48.3 | 38.6 | 58.0 |



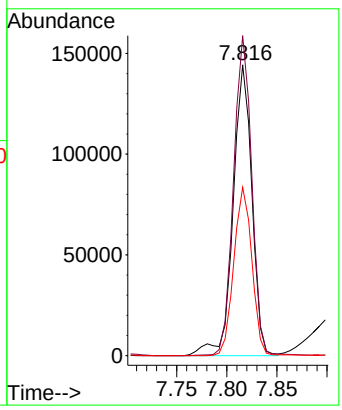


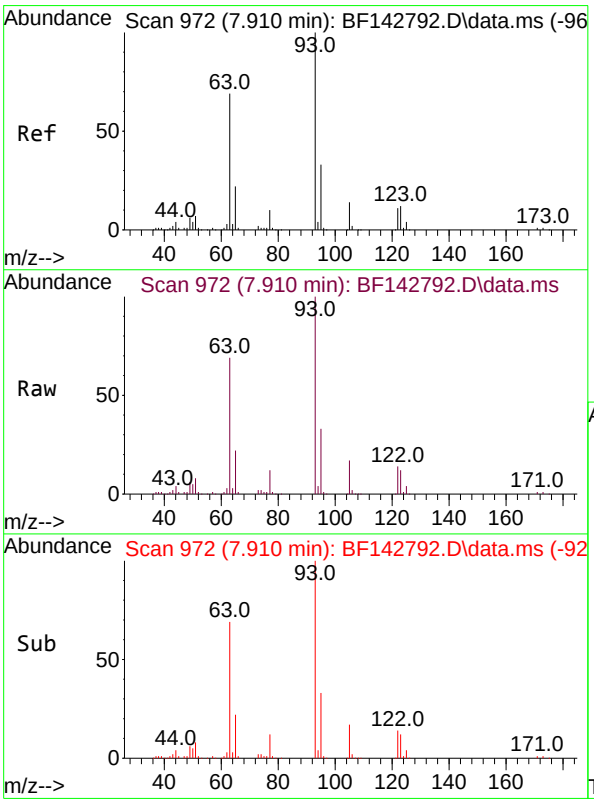

#27
2,4-Dimethylphenol
Concen: 38.974 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:122 Resp: 187808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 110.0 | 88.0 | 132.0 |
| 121 | 57.9 | 46.3 | 69.5 |

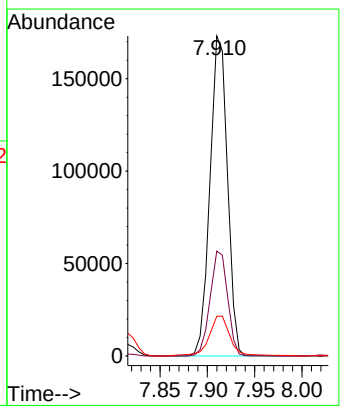


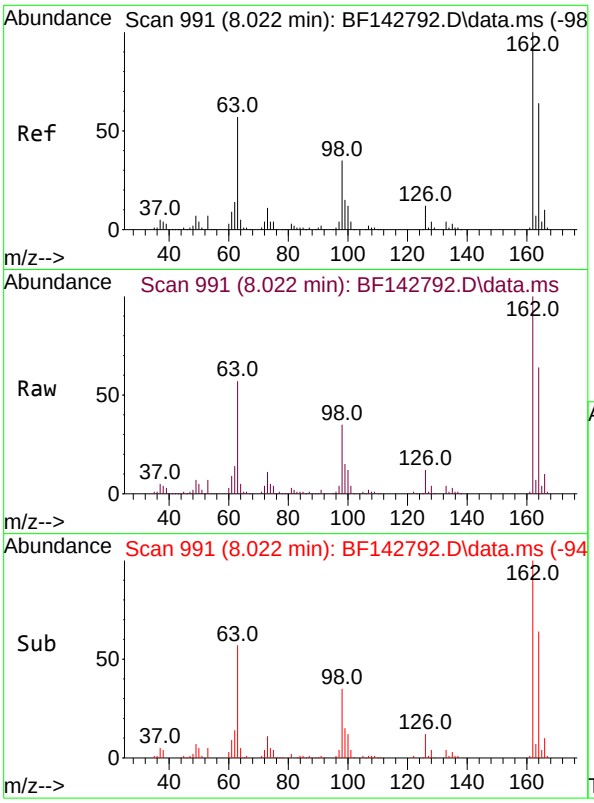




#28
bis(2-Chloroethoxy)methane
Concen: 37.249 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 93 Resp: 222264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.7 | 26.2 | 39.2 |
| 123 | 12.4 | 9.9 | 14.9 |



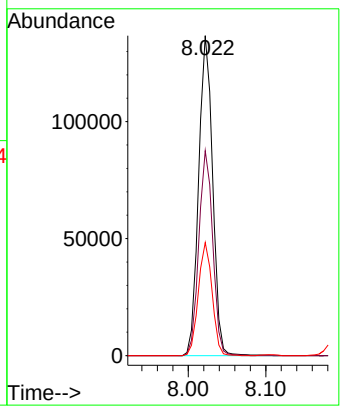


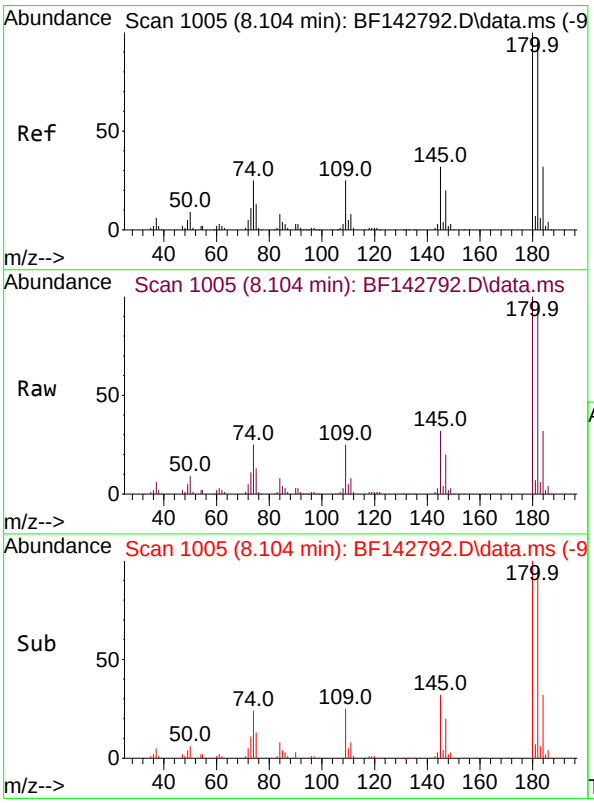

#29
2,4-Dichlorophenol
Concen: 38.576 ng
RT: 8.022 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:162 Resp: 171329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.0 | 44.0 | 84.0 |
| 98 | 35.4 | 15.4 | 55.4 |

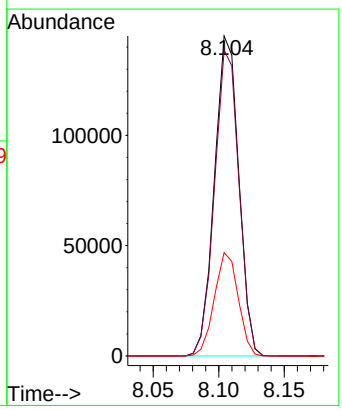


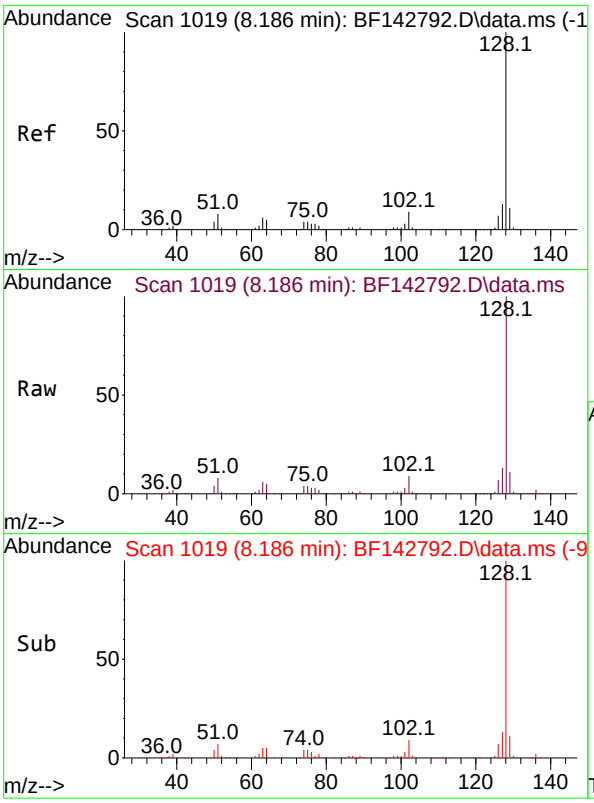




#30
1,2,4-Trichlorobenzene
Concen: 38.155 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:180 Resp: 187194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 76.4 | 114.6 |
| 145 | 32.3 | 25.8 | 38.8 |



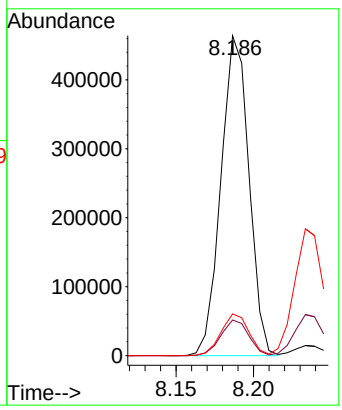


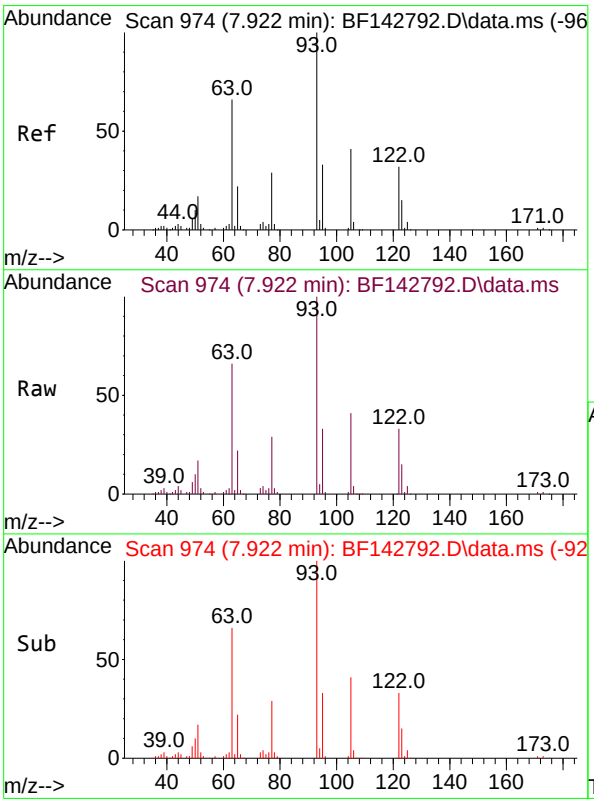

#31
Naphthalene
Concen: 37.966 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:128 Resp: 584986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.9 | 13.3 |
| 127 | 13.0 | 10.4 | 15.6 |

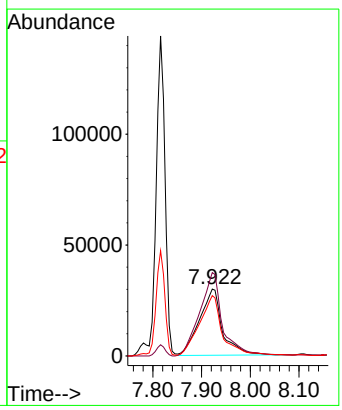


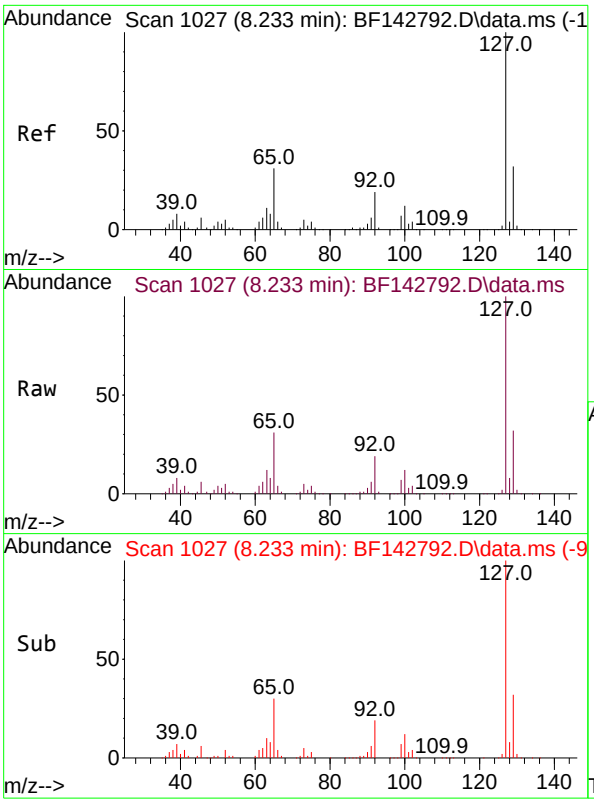




#32
Benzoic acid
Concen: 36.734 ng
RT: 7.922 min Scan# 974
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:122 Resp: 98210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.7 | 104.7 | 144.7 |
| 77 | 90.2 | 70.2 | 110.2 |



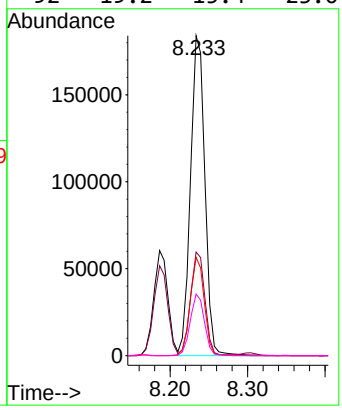


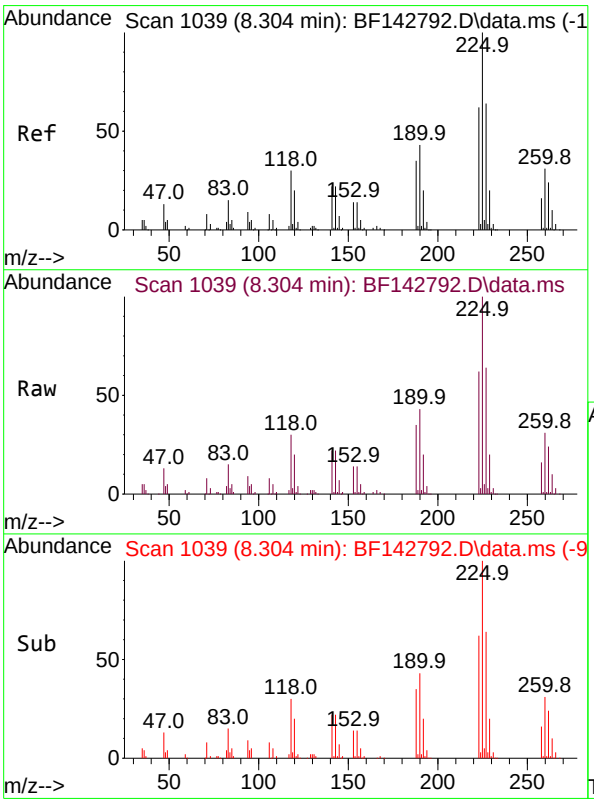

#33
4-Chloroaniline
Concen: 38.432 ng
RT: 8.233 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:127 Resp: 237317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.4 | 25.9 | 38.9 |
| 65 | 30.7 | 24.6 | 36.8 |
| 92 | 19.2 | 15.4 | 23.0 |

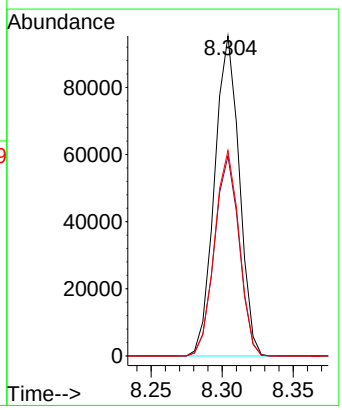


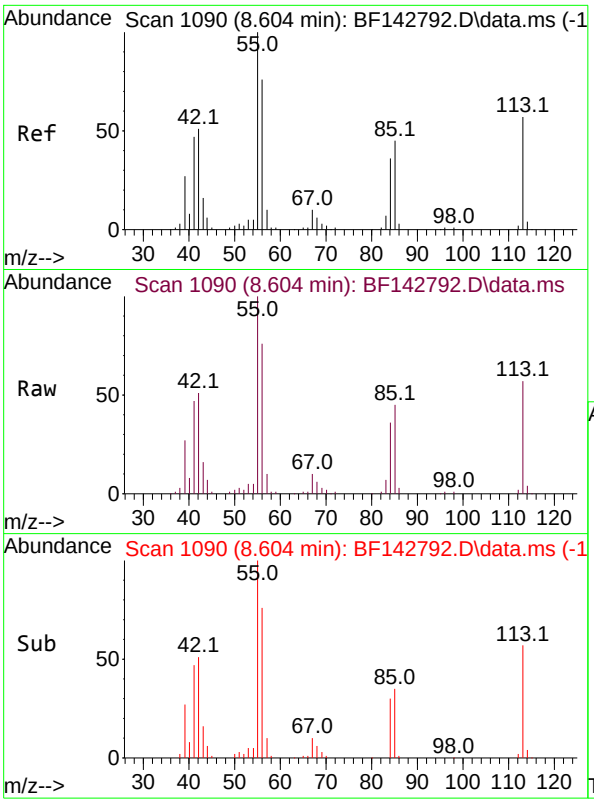




#34
Hexachlorobutadiene
Concen: 37.099 ng
RT: 8.304 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:225 Resp: 115333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.4 | 49.9 | 74.9 |
| 227 | 64.2 | 51.4 | 77.0 |



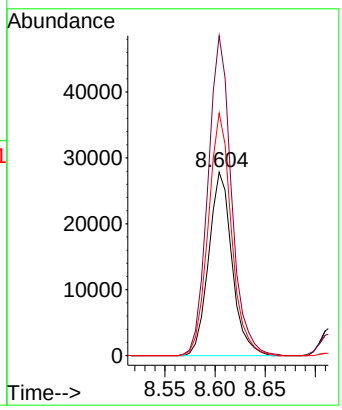


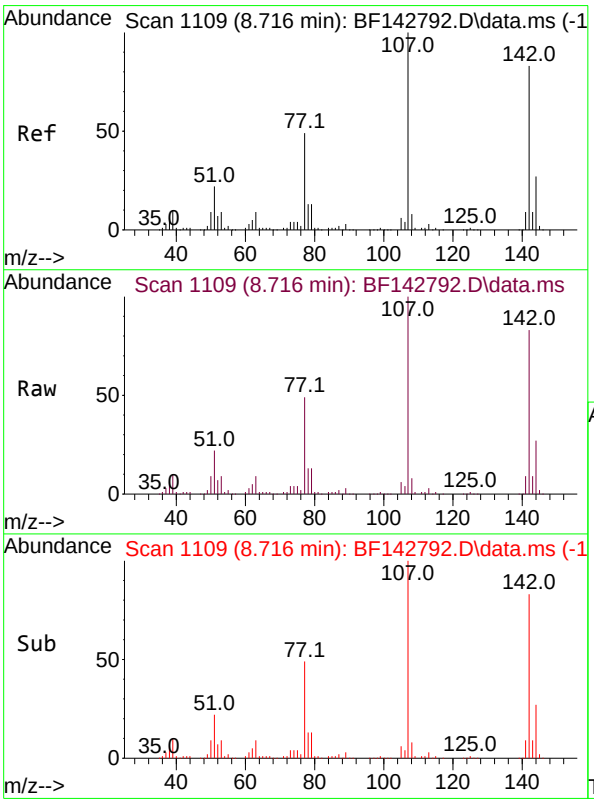

#35
Caprolactam
Concen: 37.583 ng
RT: 8.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:113 Resp: 44914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 174.4 | 154.4 | 194.4 |
| 56 | 132.1 | 112.1 | 152.1 |

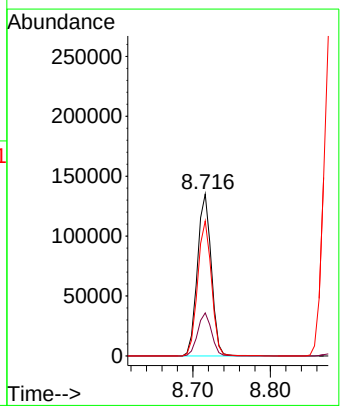


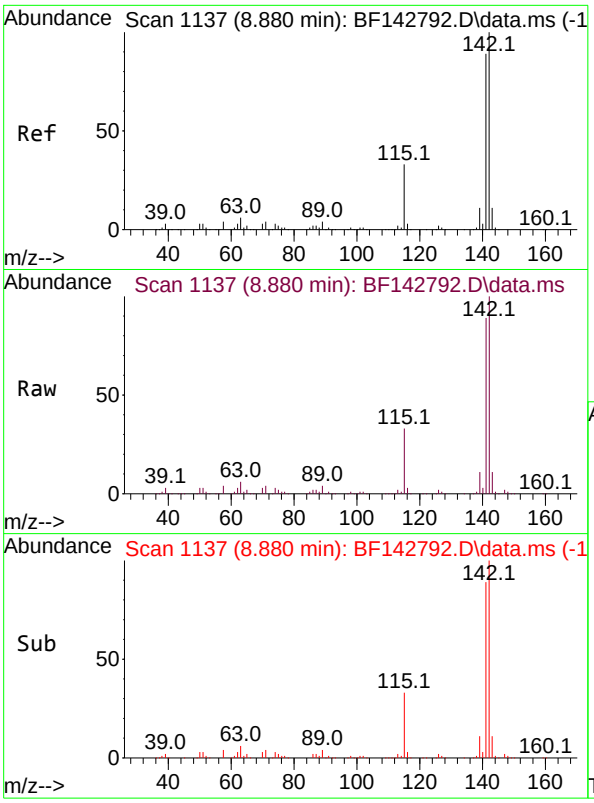




#36
4-Chloro-3-methylphenol
Concen: 36.695 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:107 Resp: 168353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.6 | 21.3 | 31.9 |
| 142 | 83.3 | 66.6 | 100.0 |





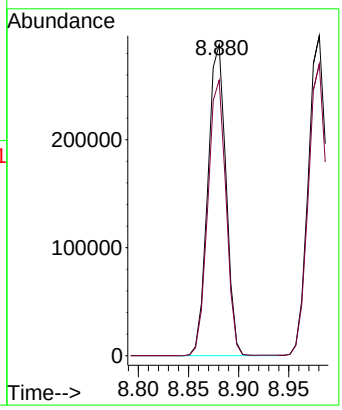

#37
2-Methylnaphthalene
Concen: 37.313 ng
RT: 8.880 min Scan# 1

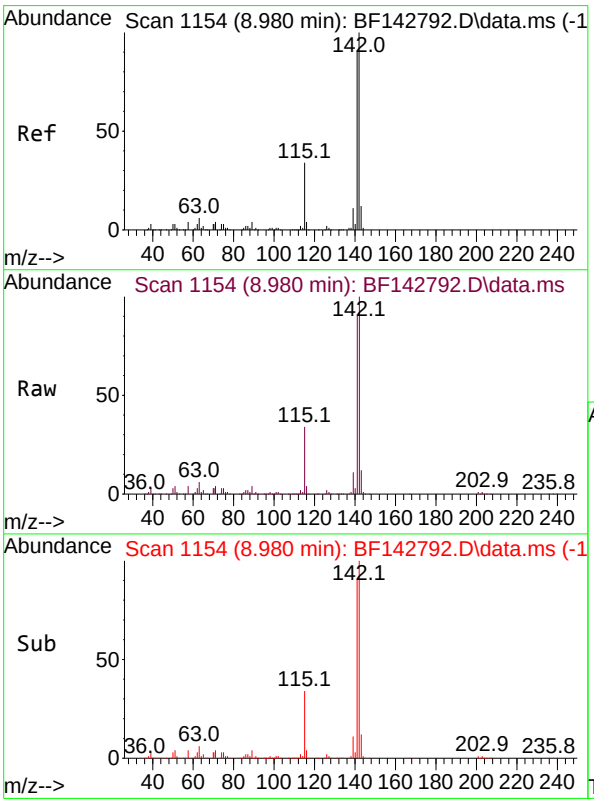
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:142 Resp: 362692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.6 | 70.9 | 106.3 |

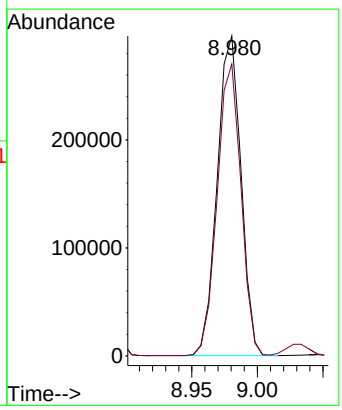


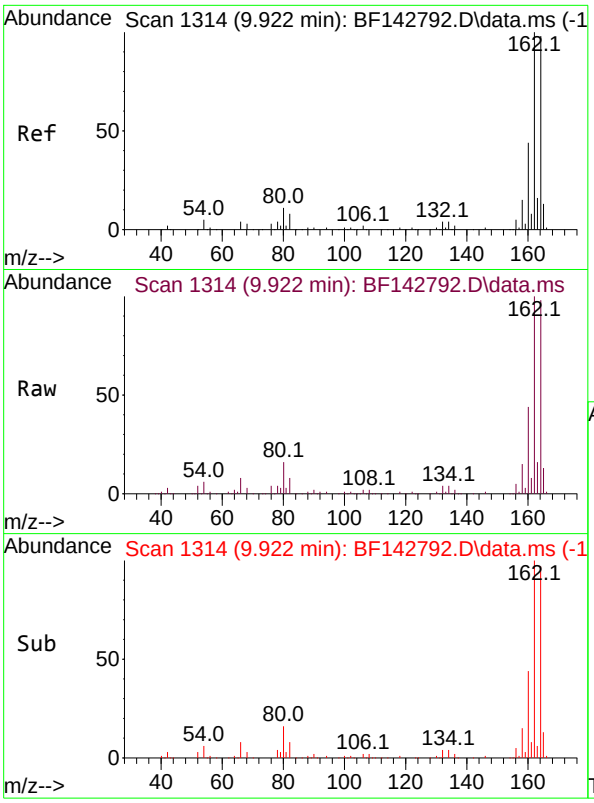




#38
1-Methylnaphthalene
Concen: 37.143 ng
RT: 8.980 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:142 Resp: 374836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.2 | 73.0 | 109.4 |



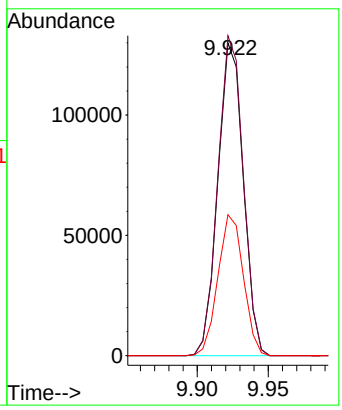


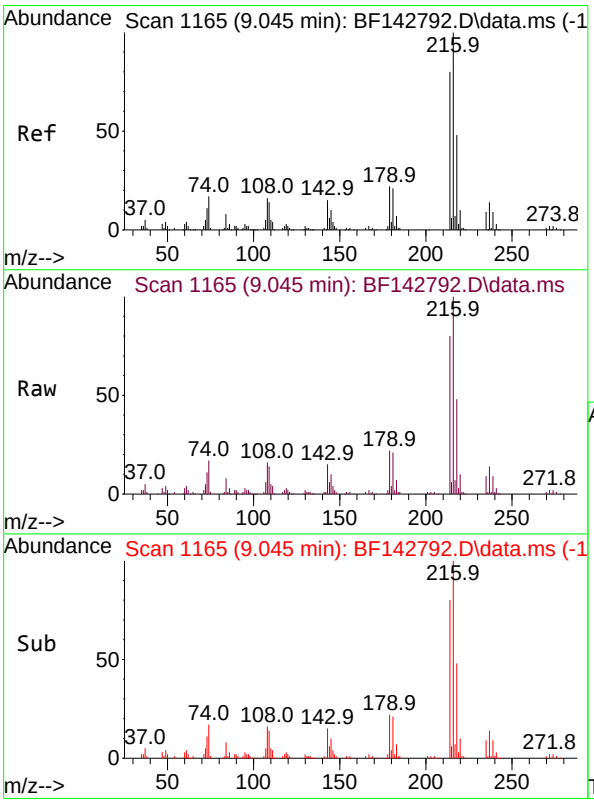

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:164 Resp: 161991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.3 | 81.8 | 122.8 |
| 160 | 45.0 | 36.0 | 54.0 |

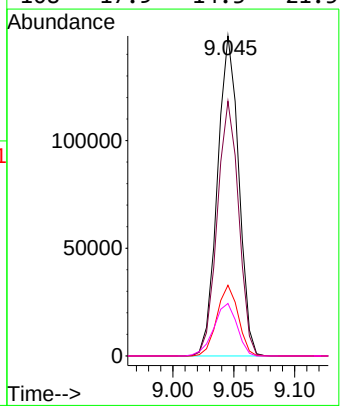


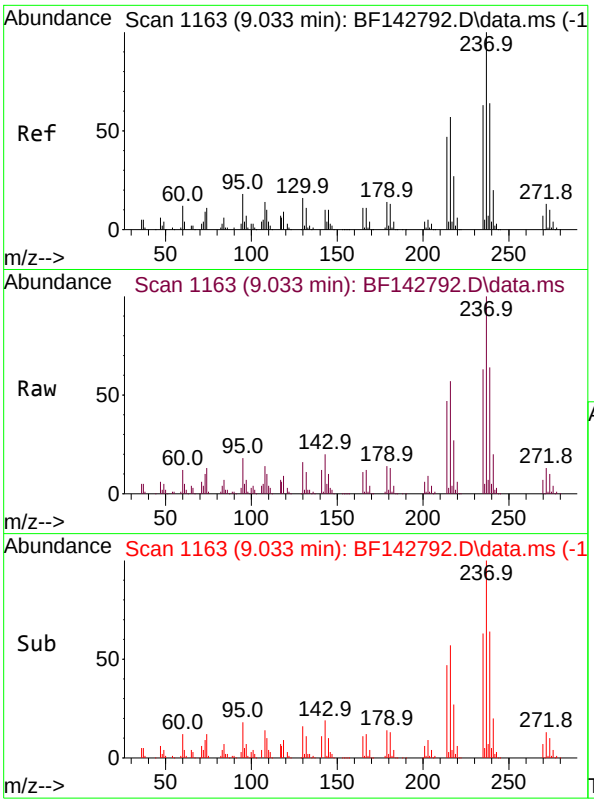




#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.596 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:216 Resp: 180481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.6 | 63.7 | 95.5 |
| 179 | 22.0 | 17.6 | 26.4 |
| 108 | 17.9 | 14.3 | 21.5 |



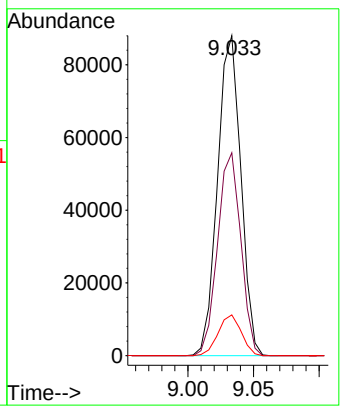


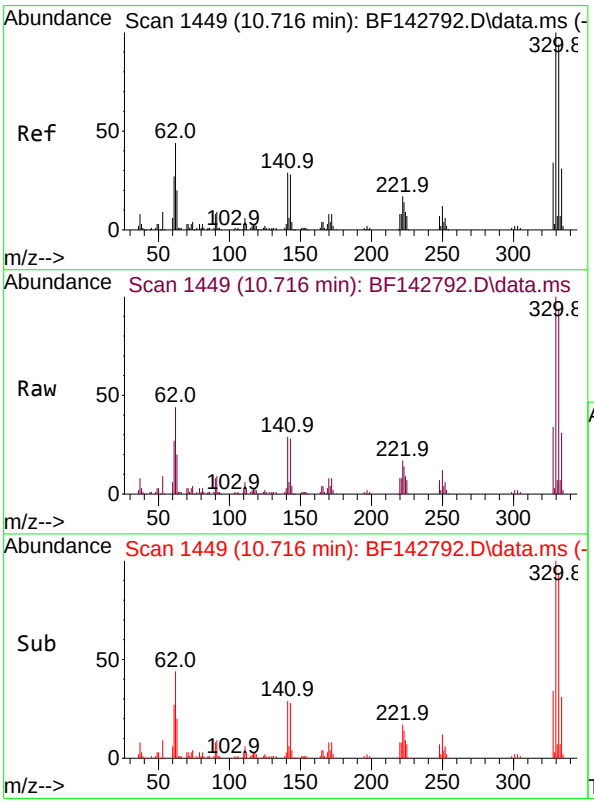

#41
Hexachlorocyclopentadiene
Concen: 36.863 ng
RT: 9.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:237 Resp: 108999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.4 | 43.4 | 83.4 |
| 272 | 12.7 | 0.0 | 32.7 |

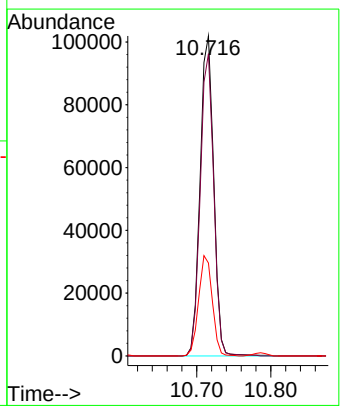


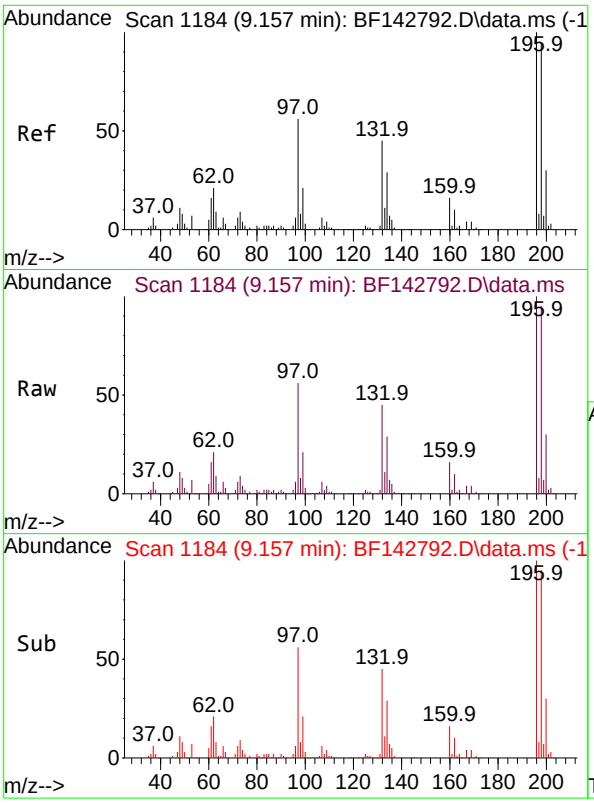




#42
2,4,6-Tribromophenol
Concen: 73.654 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:330 Resp: 129669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 93.8 | 75.0 | 112.6 |
| 141 | 31.6 | 25.3 | 37.9 |



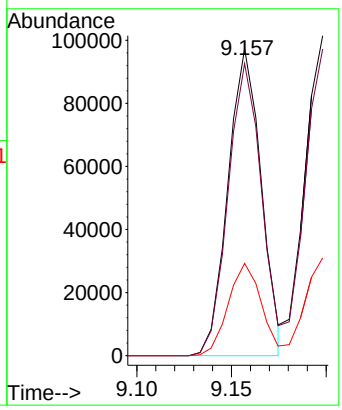


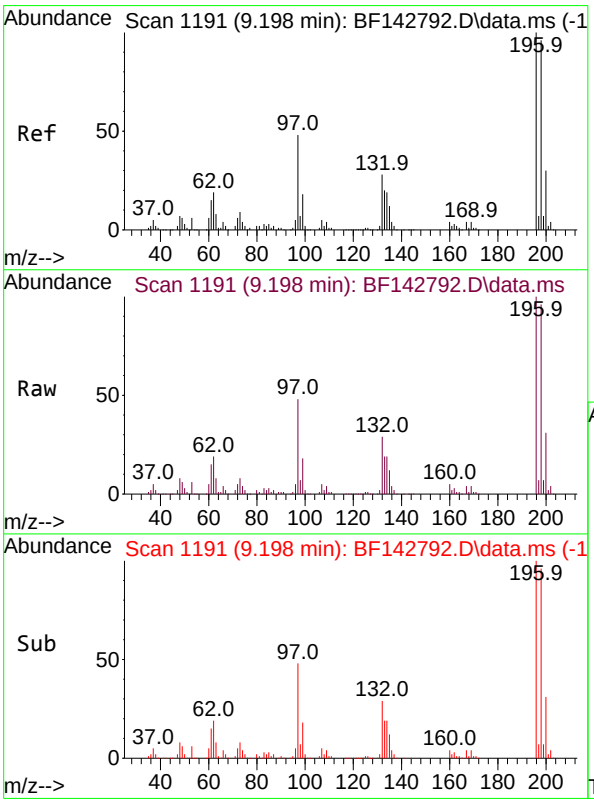

#43
2,4,6-Trichlorophenol
Concen: 39.129 ng
RT: 9.157 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:196 Resp: 118412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.2 | 76.2 | 114.2 |
| 200 | 30.1 | 24.1 | 36.1 |

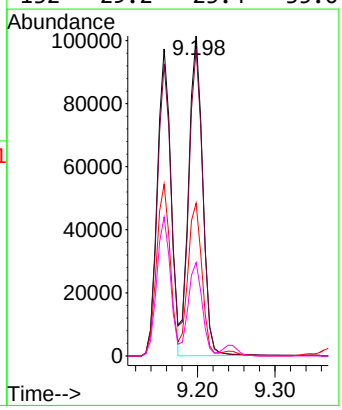


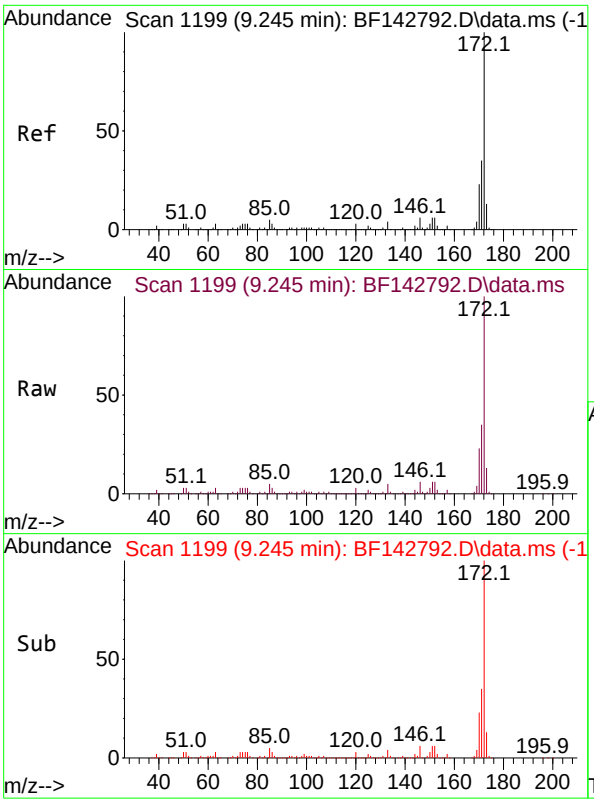




#44
2,4,5-Trichlorophenol
Concen: 38.774 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:196 Resp: 126712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.8 | 76.6 | 115.0 |
| 97 | 47.7 | 38.2 | 57.2 |
| 132 | 29.2 | 23.4 | 35.0 |



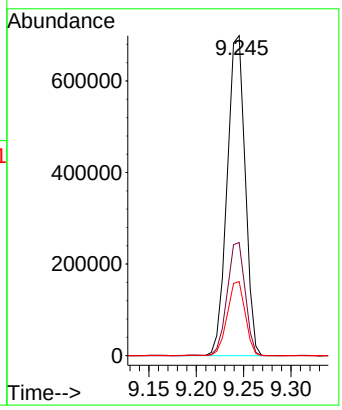


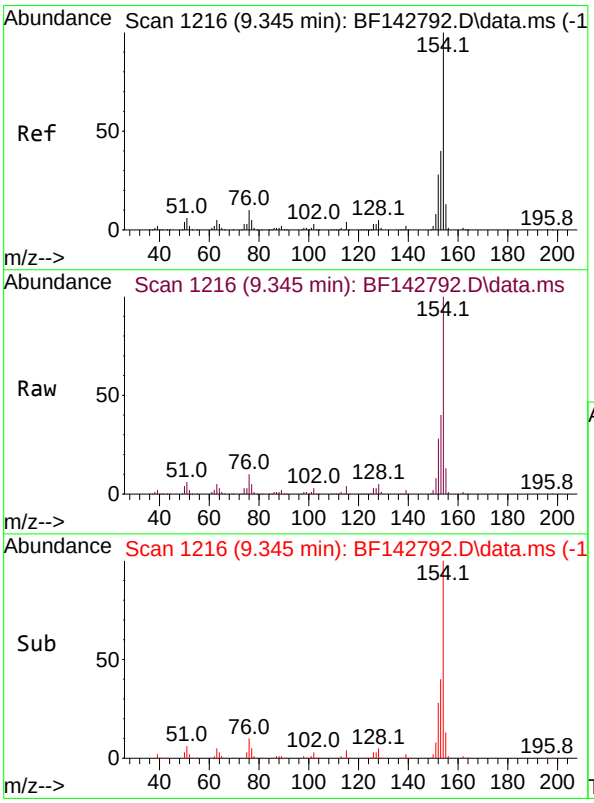

#45
2-Fluorobiphenyl
Concen: 76.120 ng
RT: 9.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:172 Resp: 926905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.2 | 42.4 |
| 170 | 23.1 | 18.5 | 27.7 |

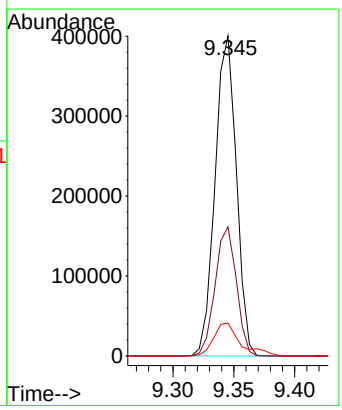


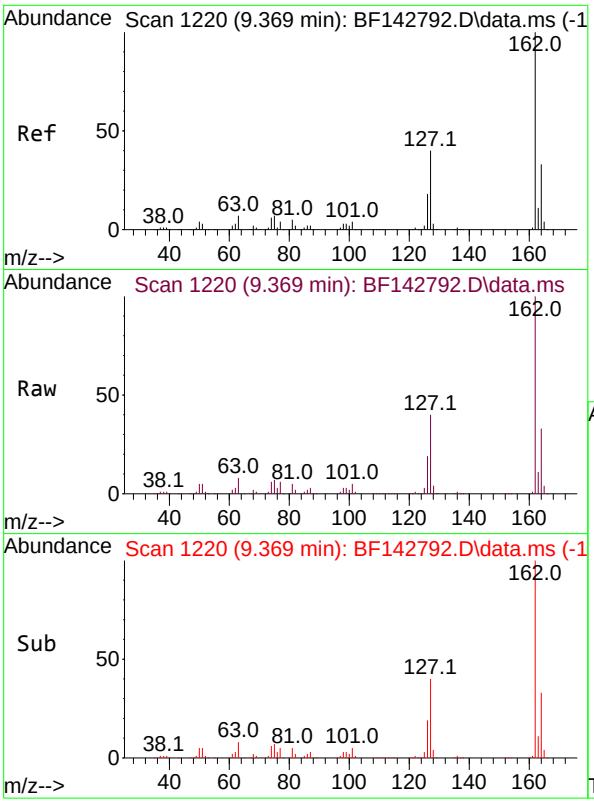




#46
1,1'-Biphenyl
Concen: 38.765 ng
RT: 9.345 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:154 Resp: 487587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.3 | 20.3 | 60.3 |
| 76 | 10.3 | 0.0 | 30.3 |



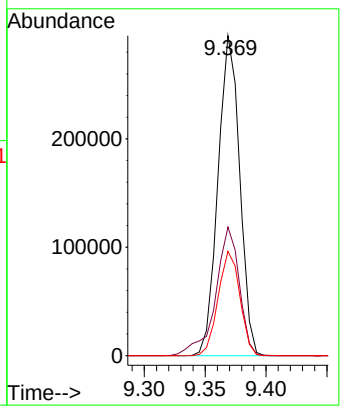


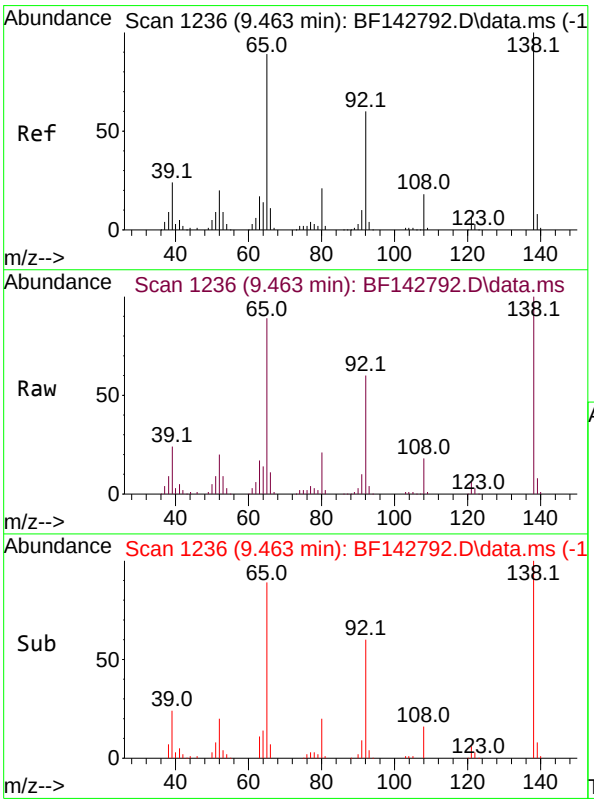

#47
2-Chloronaphthalene
Concen: 39.408 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:162 Resp: 365760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 40.2 | 32.2 | 48.2 |
| 164 | 32.6 | 26.1 | 39.1 |

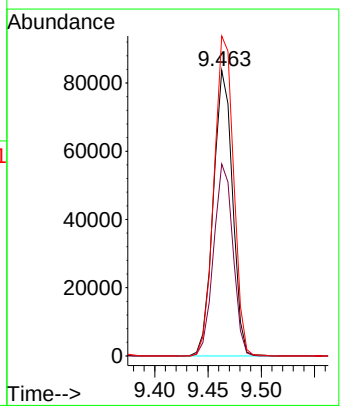


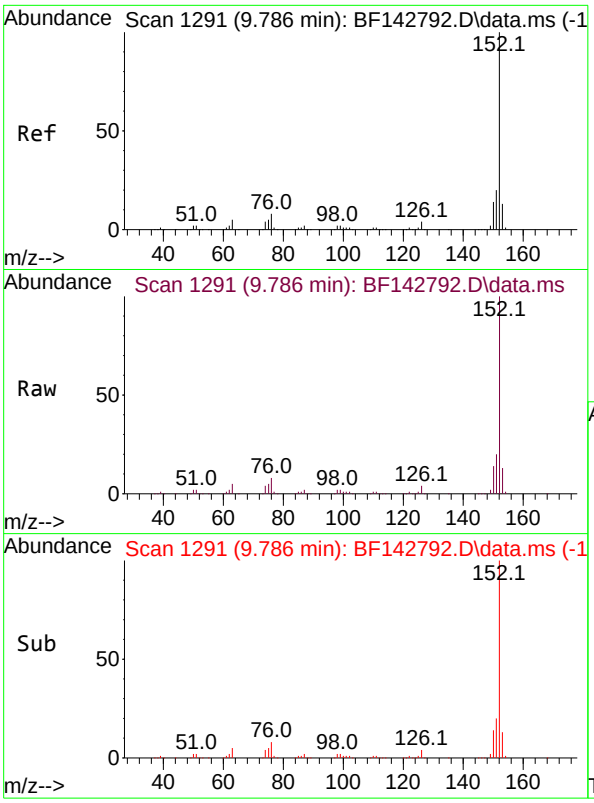




#48
2-Nitroaniline
Concen: 39.858 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 65 Resp: 105098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 67.2 | 53.8 | 80.6 |
| 138 | 112.0 | 89.6 | 134.4 |



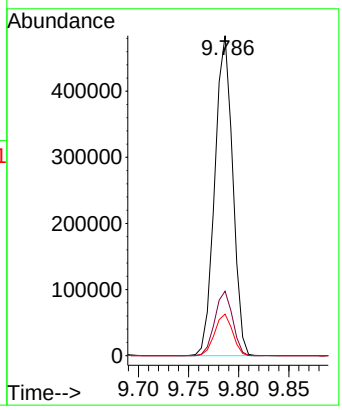


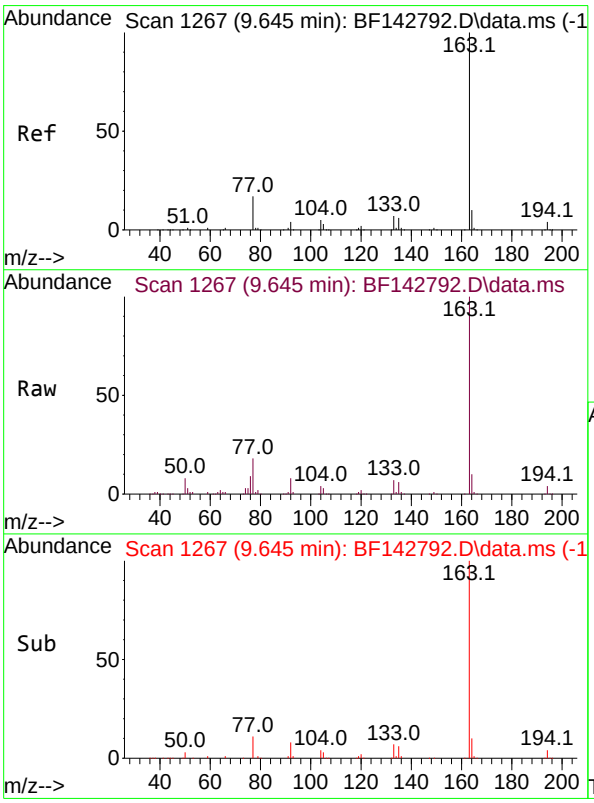

#49
Acenaphthylene
Concen: 38.649 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:152 Resp: 603057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.1 | 24.1 |
| 153 | 13.0 | 10.4 | 15.6 |

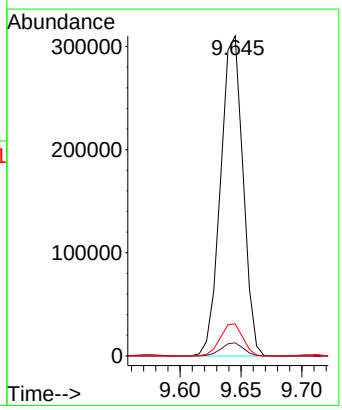


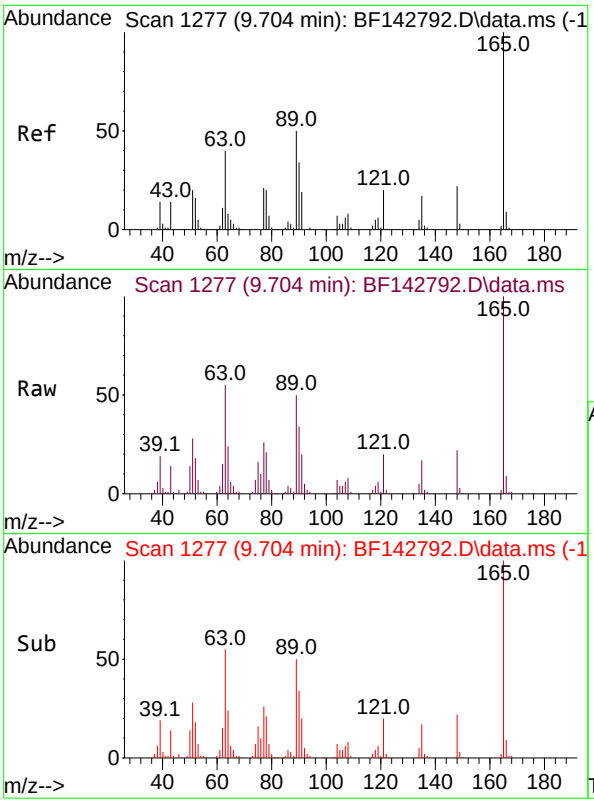




#50
Dimethylphthalate
Concen: 37.038 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:163 Resp: 397980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.3 | 4.9 |
| 164 | 10.0 | 8.0 | 12.0 |



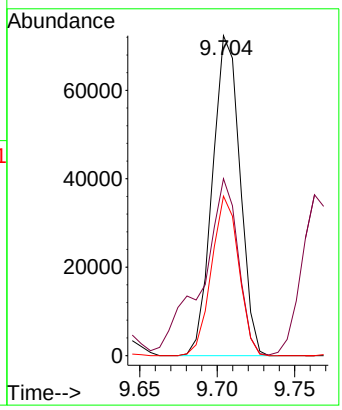


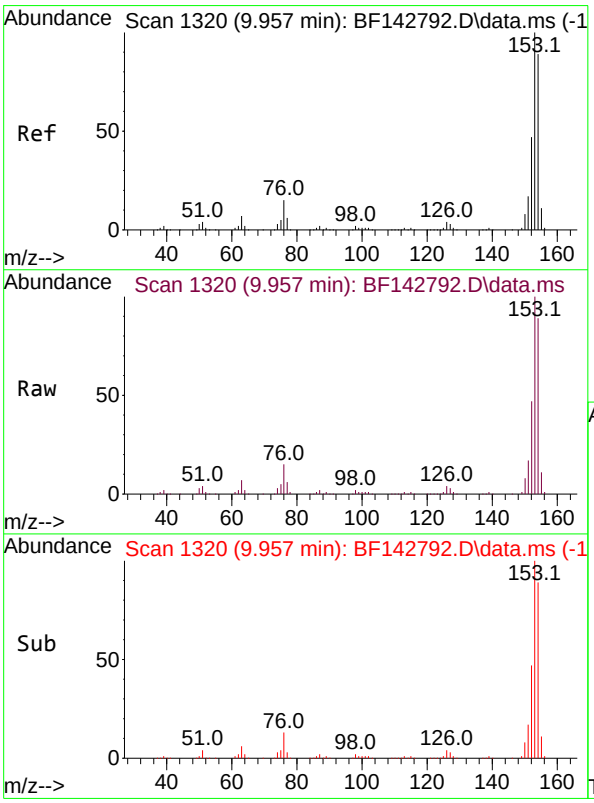

#51
2,6-Dinitrotoluene
Concen: 38.557 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:165 Resp: 89811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 55.3 | 44.2 | 66.4 |
| 89 | 49.8 | 39.8 | 59.8 |

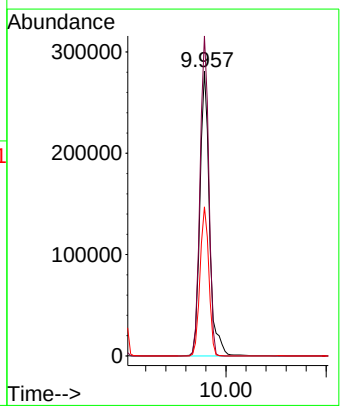


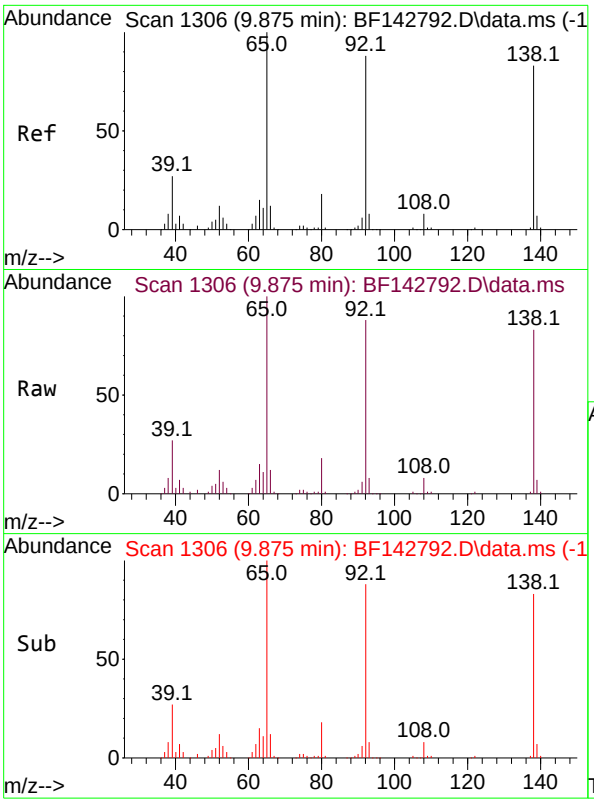




#52
Acenaphthene
Concen: 38.310 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:154 Resp: 369889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.5 | 90.0 | 135.0 |
| 152 | 52.4 | 41.9 | 62.9 |



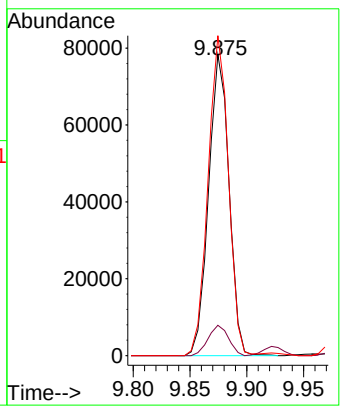


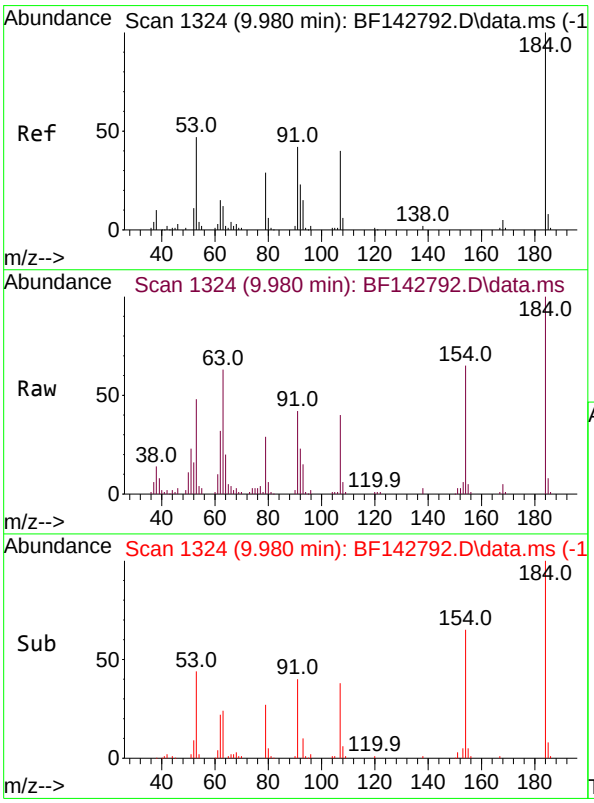

#53
3-Nitroaniline
Concen: 38.714 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:138 Resp: 97950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.1 | 8.1 | 12.1 |
| 92 | 106.4 | 85.1 | 127.7 |

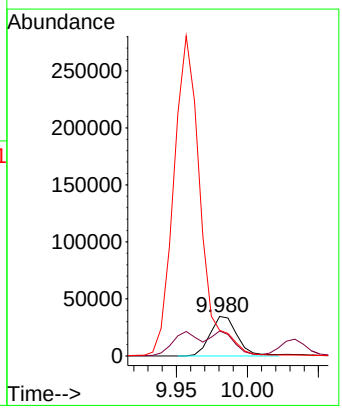


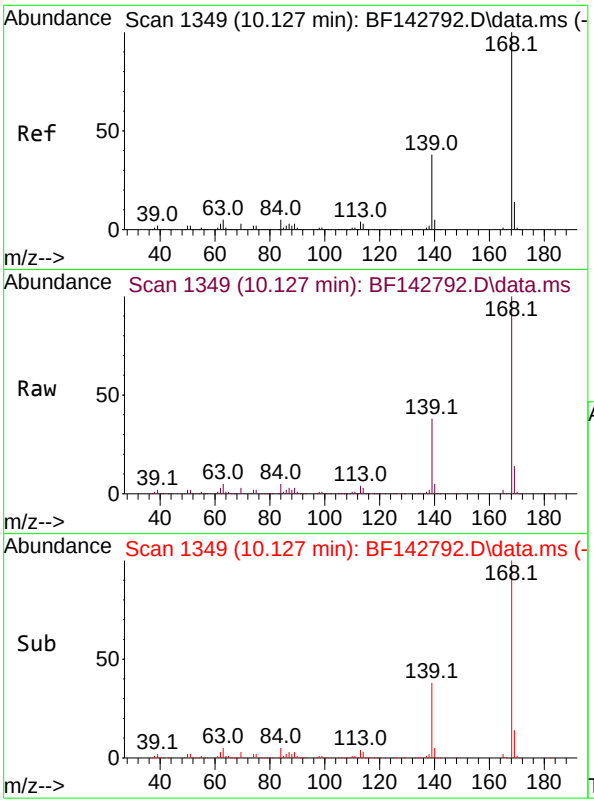




#54
2,4-Dinitrophenol
Concen: 36.494 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:184 Resp: 46000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 63.2 | 50.6 | 75.8 |
| 154 | 64.8 | 51.8 | 77.8 |



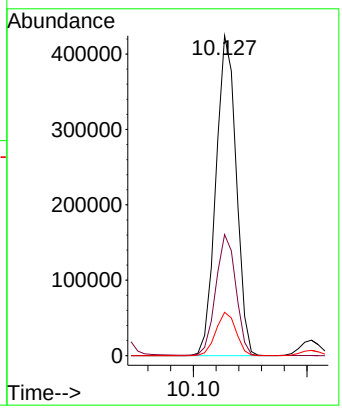


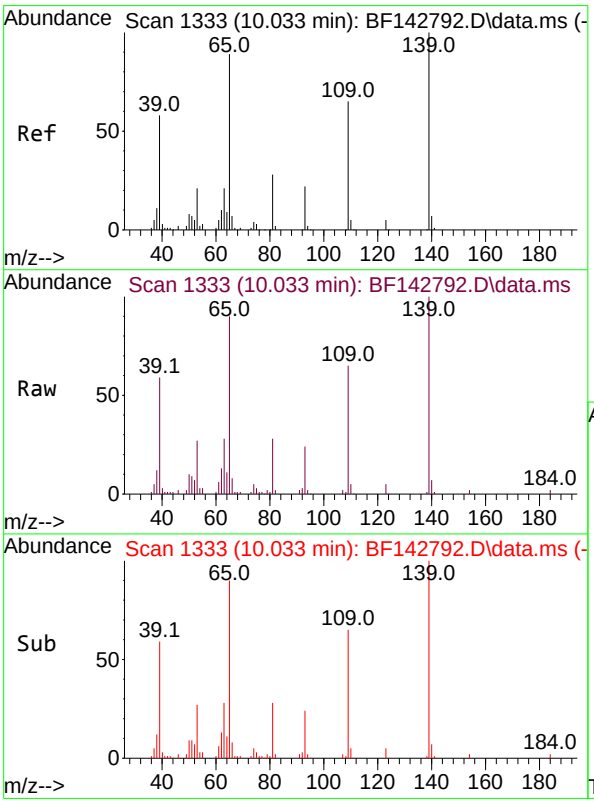

#55
Dibenzofuran
Concen: 38.235 ng
RT: 10.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:168 Resp: 526718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.8 | 30.2 | 45.4 |
| 169 | 13.5 | 10.8 | 16.2 |

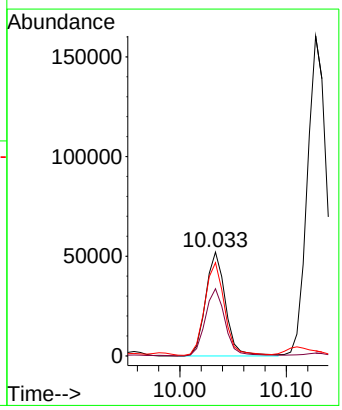


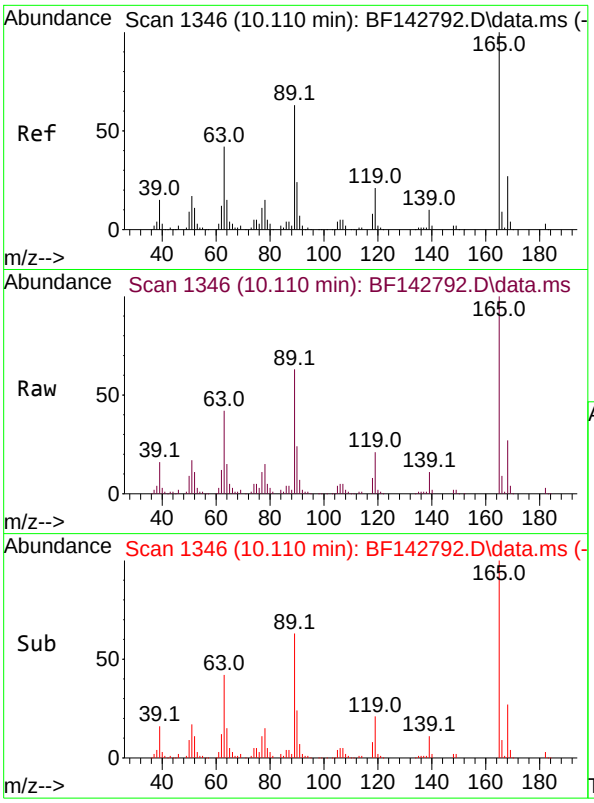




#56
4-Nitrophenol
Concen: 39.230 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:139 Resp: 67375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 64.7 | 44.7 | 84.7 |
| 65 | 89.8 | 69.8 | 109.8 |



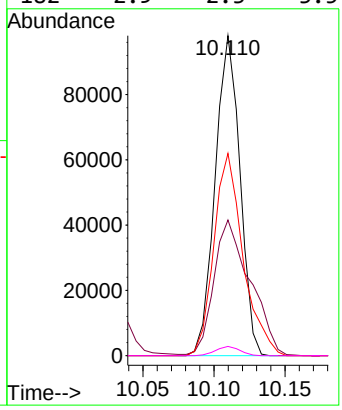


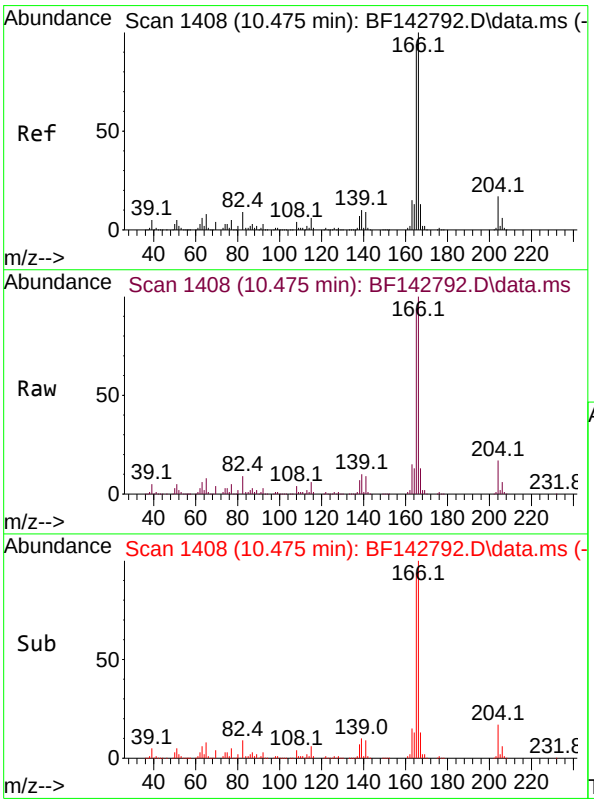

#57
2,4-Dinitrotoluene
Concen: 38.644 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:165 Resp: 119021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 42.4 | 33.9 | 50.9 |
| 89 | 63.2 | 50.6 | 75.8 |
| 182 | 2.9 | 2.3 | 3.5 |

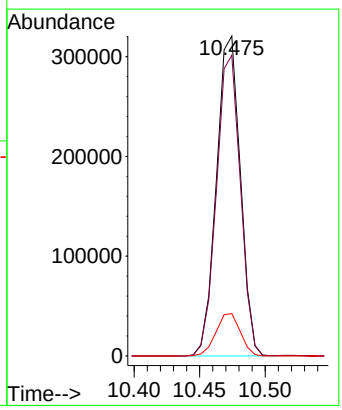


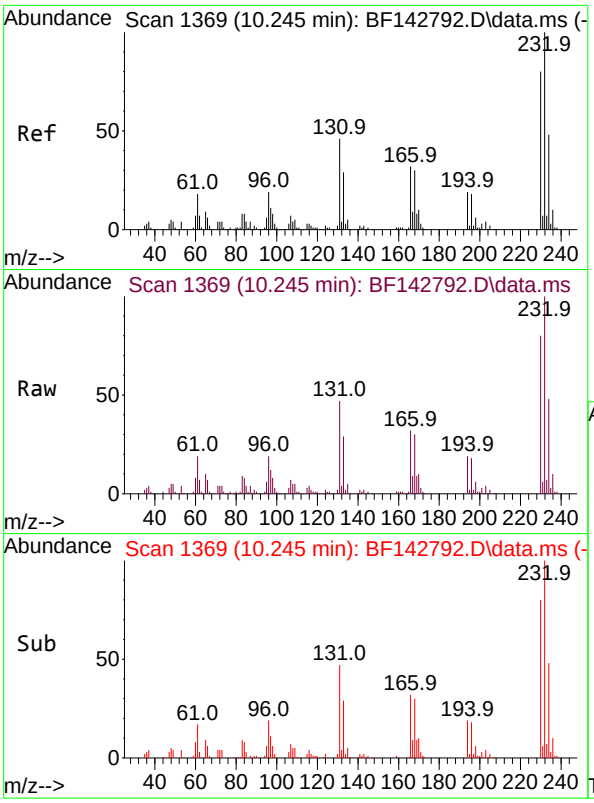




#58
Fluorene
Concen: 37.535 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:166 Resp: 408102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 94.0 | 75.2 | 112.8 |
| 167 | 13.2 | 10.6 | 15.8 |



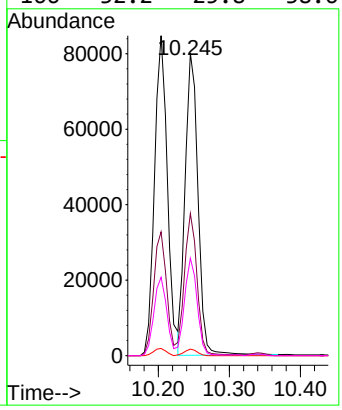


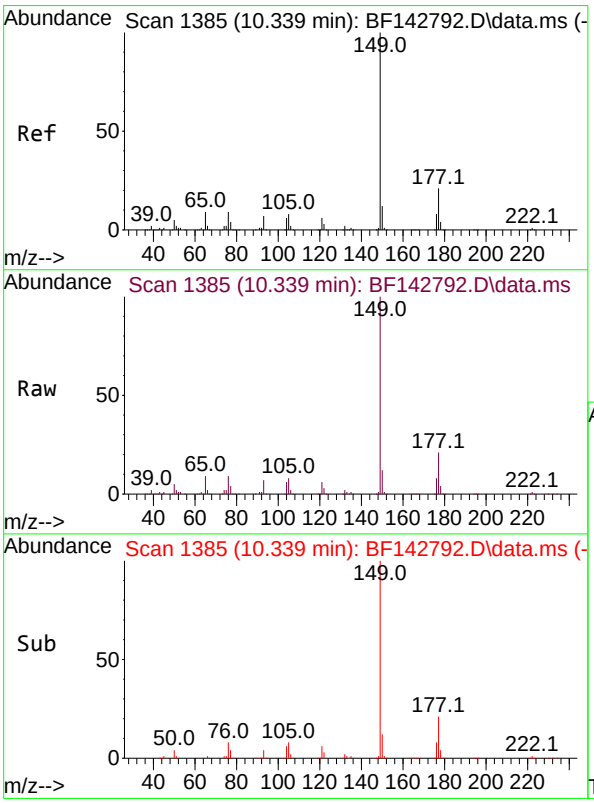

#59
2,3,4,6-Tetrachlorophenol
Concen: 36.847 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:232 Resp: 100957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 47.0 | 37.6 | 56.4 |
| 130 | 2.1 | 1.7 | 2.5 |
| 166 | 32.2 | 25.8 | 38.6 |

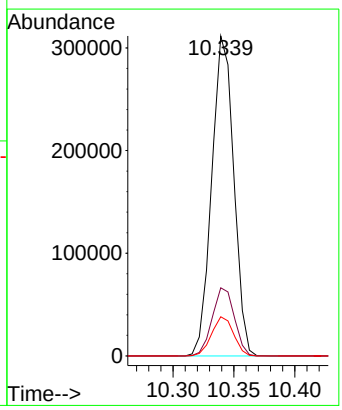


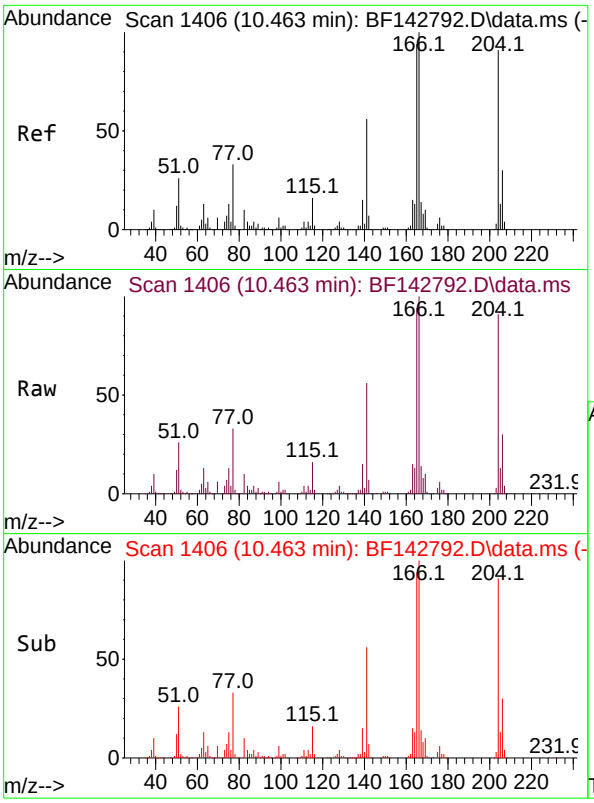




#60
Diethylphthalate
Concen: 36.752 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:149 Resp: 392278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.3 | 17.0 | 25.6 |
| 150 | 12.2 | 9.8 | 14.6 |



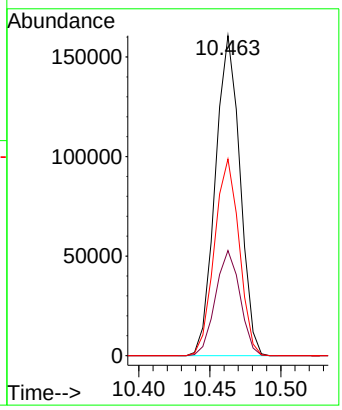


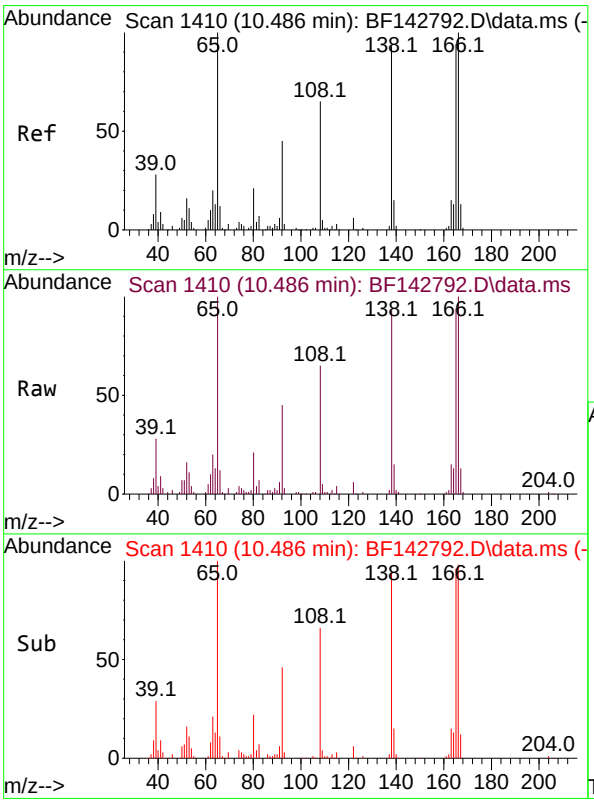

#61
4-Chlorophenyl-phenylether
Concen: 36.726 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:204 Resp: 193928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 26.3 | 39.5 |
| 141 | 61.4 | 49.1 | 73.7 |

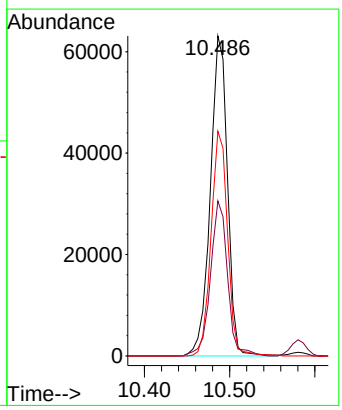


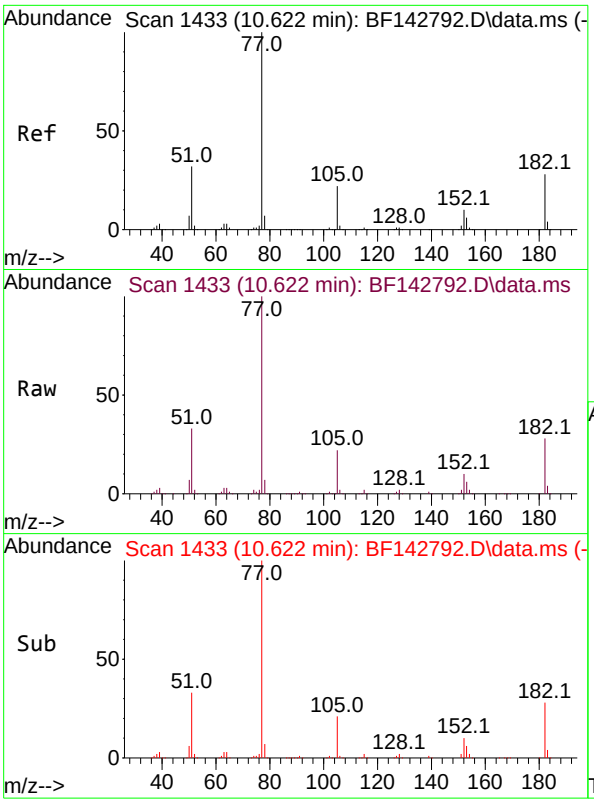




#62
4-Nitroaniline
Concen: 38.806 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:138 Resp: 88142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 48.4 | 28.4 | 68.4 |
| 108 | 70.2 | 50.2 | 90.2 |



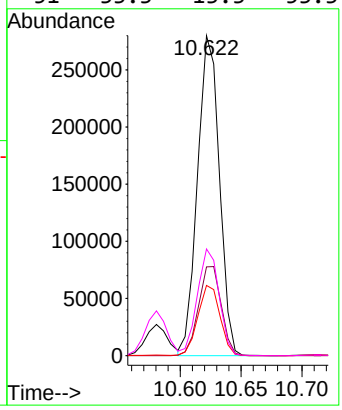


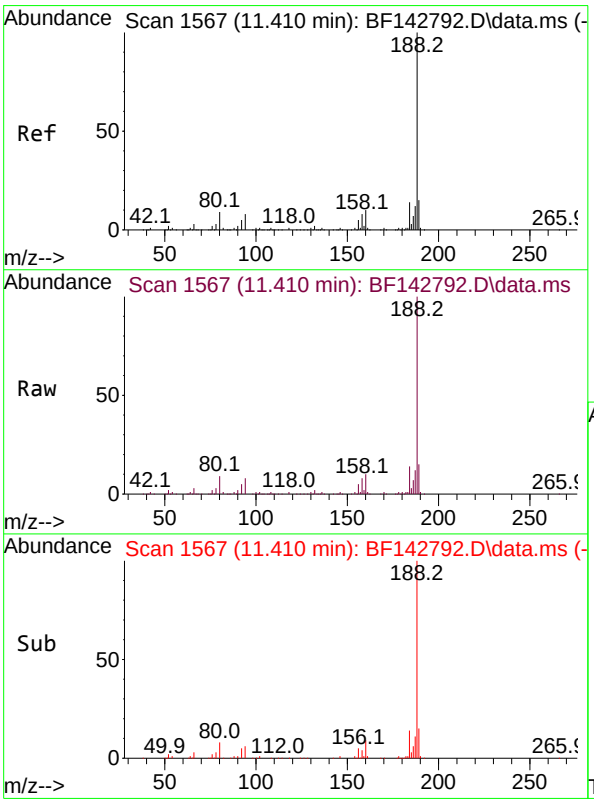

#63
Azobenzene
Concen: 37.534 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 77 Resp: 350110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.7 | 7.7 | 47.7 |
| 105 | 21.9 | 1.9 | 41.9 |
| 51 | 33.3 | 13.3 | 53.3 |

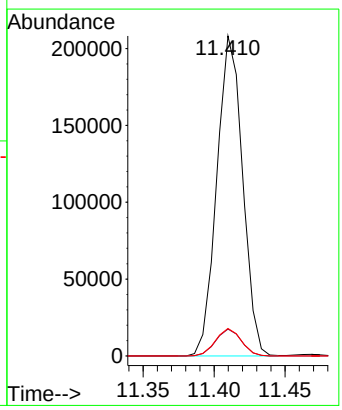


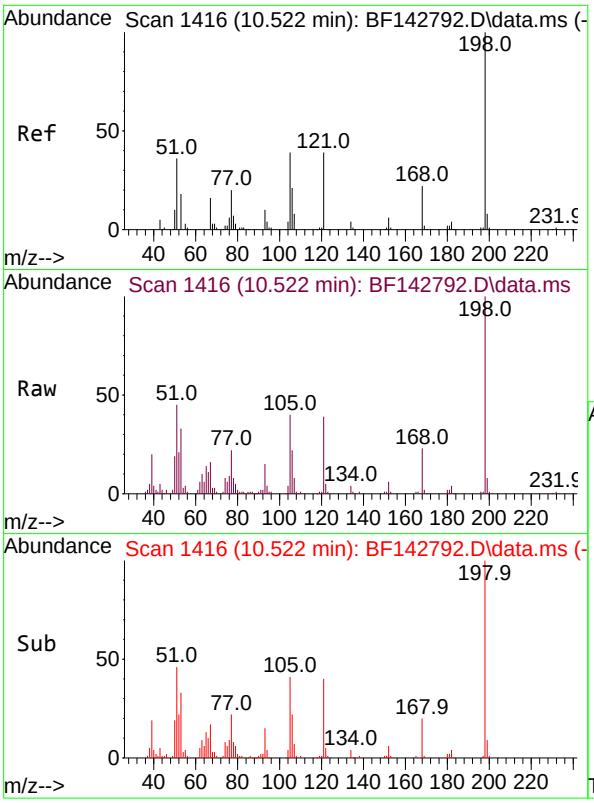




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:188 Resp: 263346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.4 | 6.7 | 10.1 |
| 80 | 8.6 | 6.9 | 10.3 |



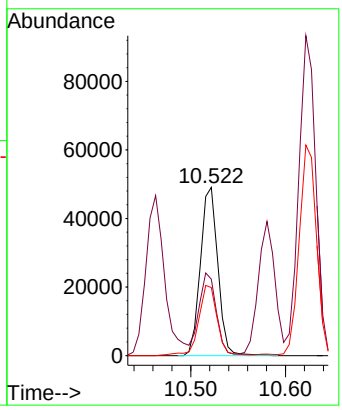


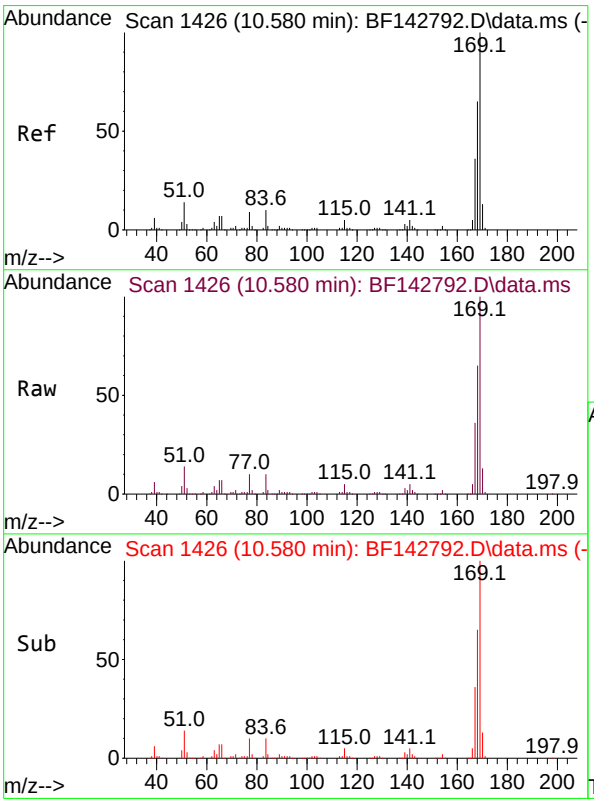

#65
4,6-Dinitro-2-methylphenol
Concen: 38.375 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:198 Resp: 62800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 45.4 | 25.4 | 65.4 |
| 105 | 40.4 | 20.4 | 60.4 |

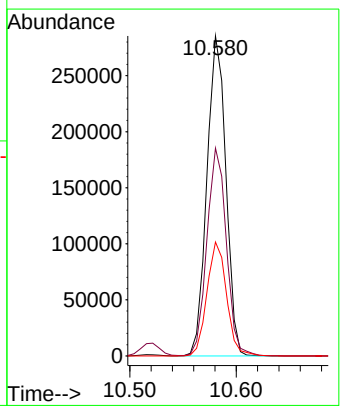


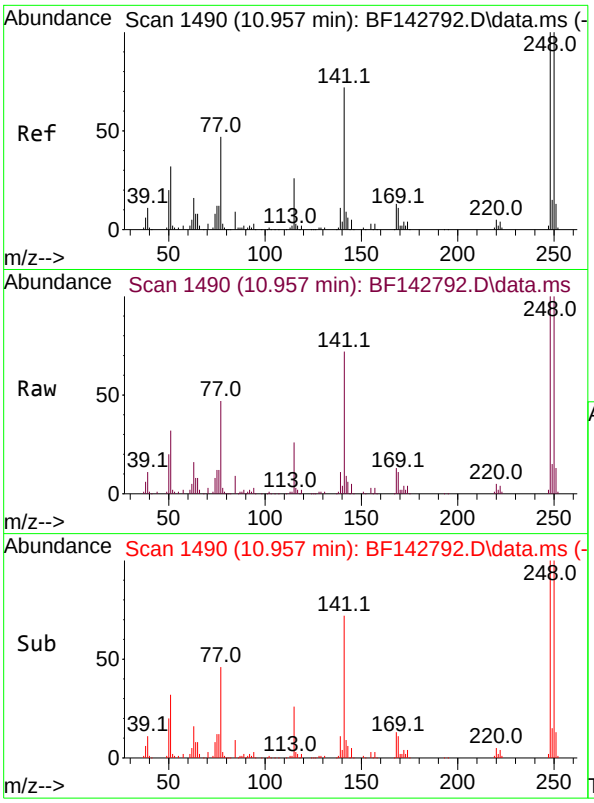




#66
n-Nitrosodiphenylamine
Concen: 39.014 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:169 Resp: 353033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 64.9 | 51.9 | 77.9 |
| 167 | 35.6 | 28.5 | 42.7 |



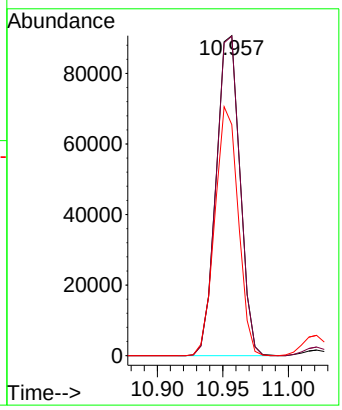


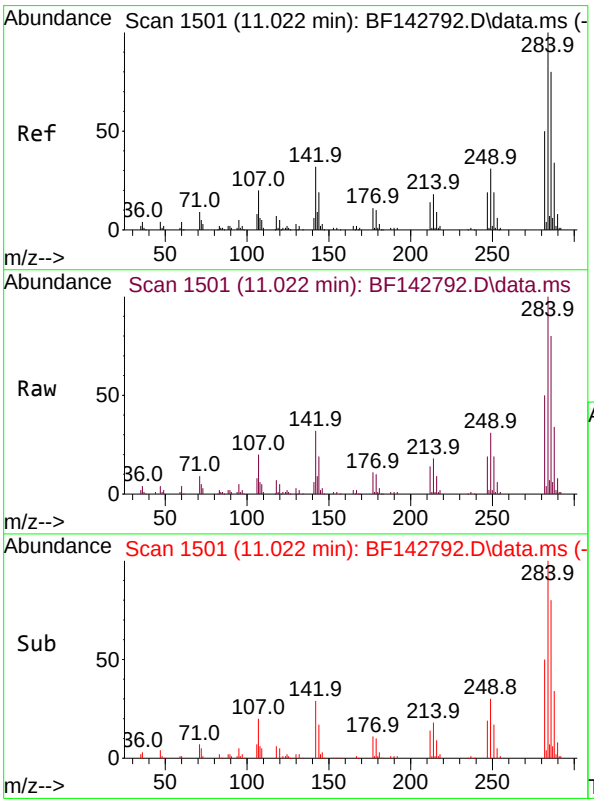

#67
4-Bromophenyl-phenylether
Concen: 37.246 ng
RT: 10.957 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:248 Resp: 114874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.8 | 79.8 | 119.8 |
| 141 | 72.2 | 57.8 | 86.6 |

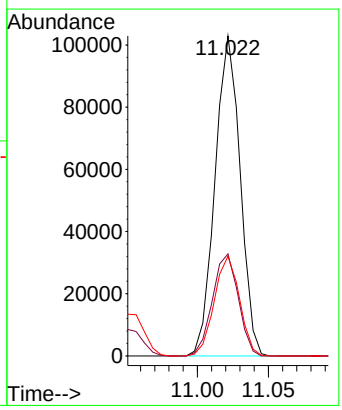


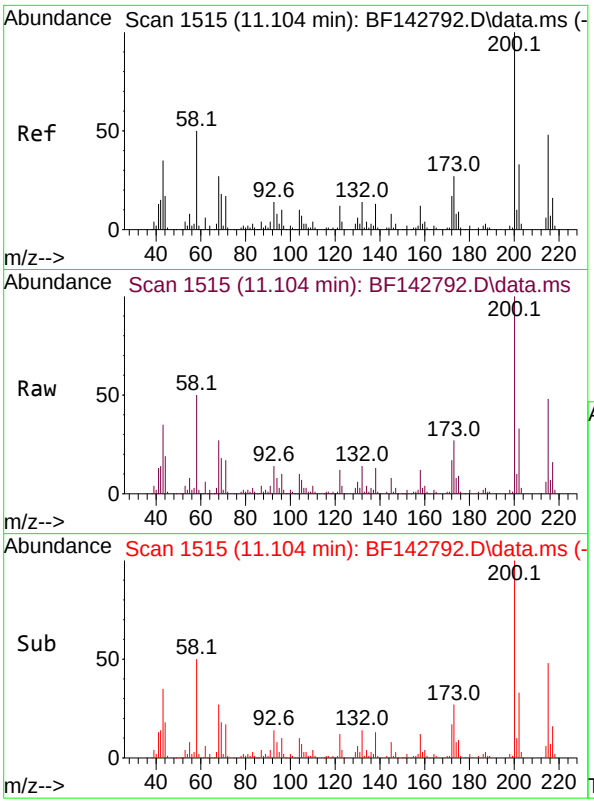




#68
Hexachlorobenzene
Concen: 37.057 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:284 Resp: 126882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.9 | 25.5 | 38.3 |
| 249 | 31.1 | 24.9 | 37.3 |



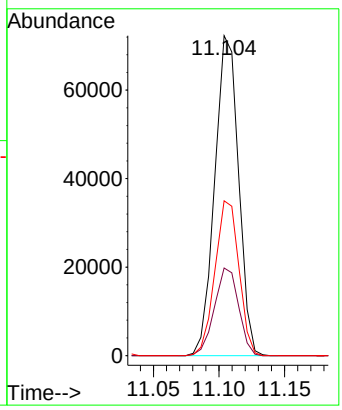


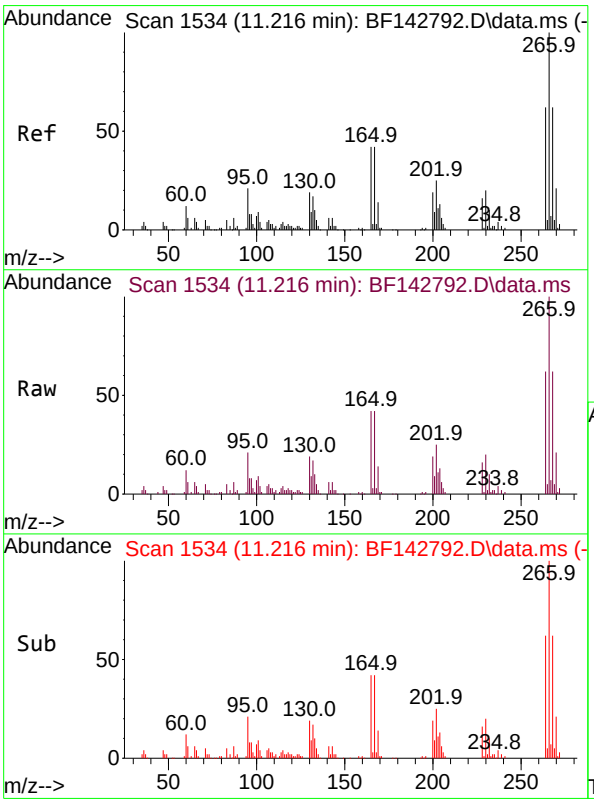

#69
Atrazine
Concen: 38.060 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:200 Resp: 91444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.4 | 7.4 | 47.4 |
| 215 | 48.4 | 28.4 | 68.4 |

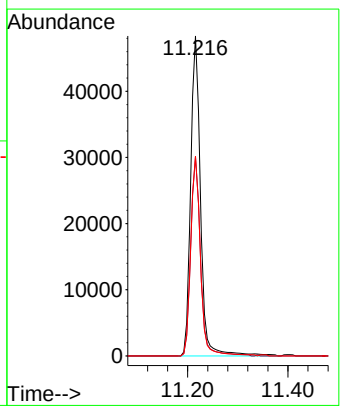


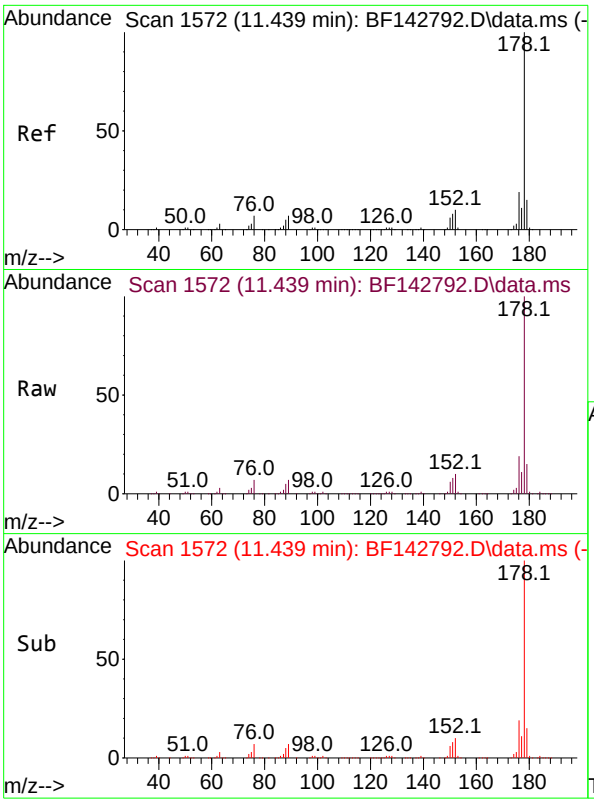




#70
Pentachlorophenol
Concen: 37.113 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:266 Resp: 65999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.3 | 49.8 | 74.8 |
| 264 | 62.4 | 49.9 | 74.9 |



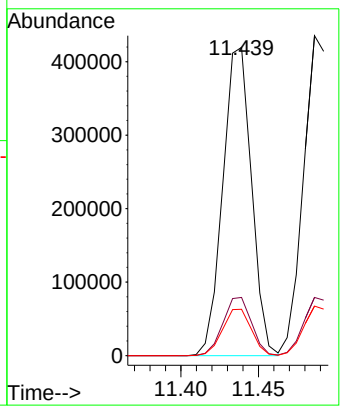


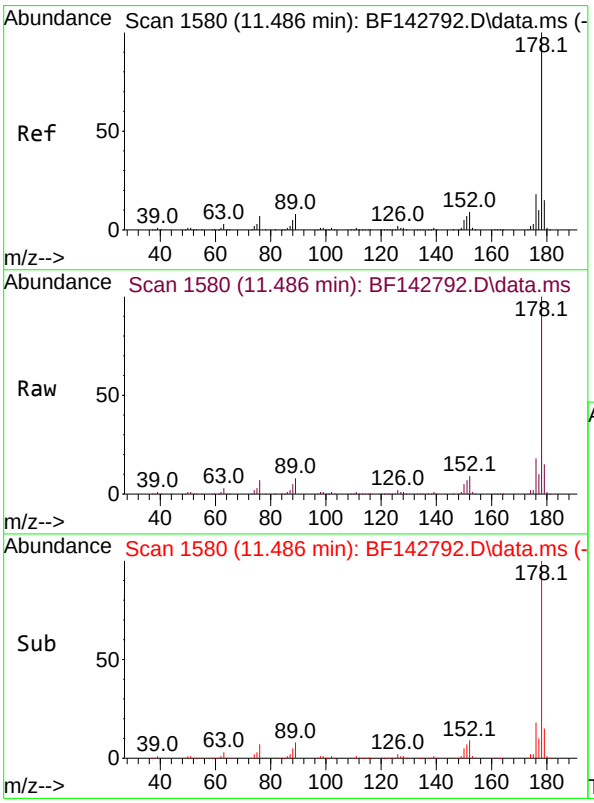

#71
Phenanthrene
Concen: 38.508 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:178 Resp: 542935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.1 | 22.7 |
| 179 | 15.0 | 12.0 | 18.0 |

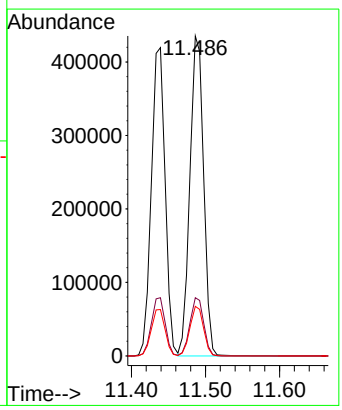


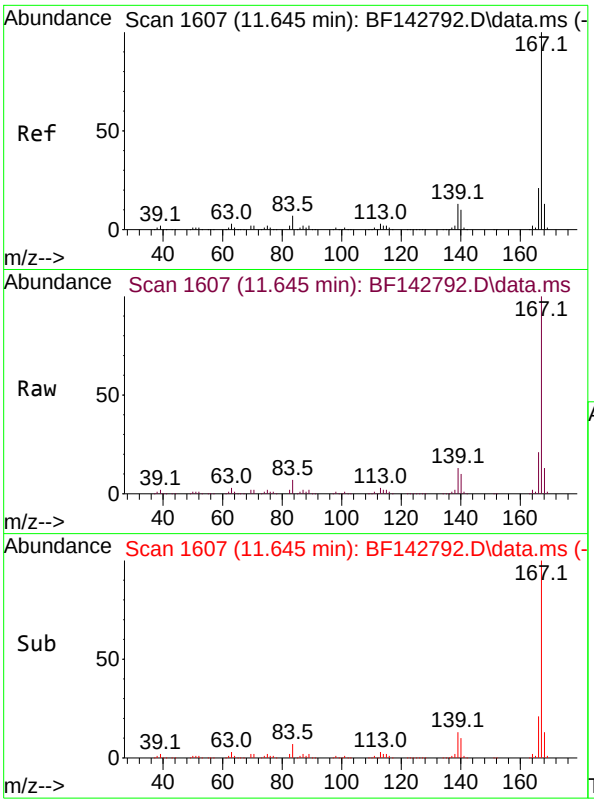




#72
Anthracene
Concen: 38.384 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:178 Resp: 560180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 14.6 | 21.8 |
| 179 | 15.5 | 12.4 | 18.6 |



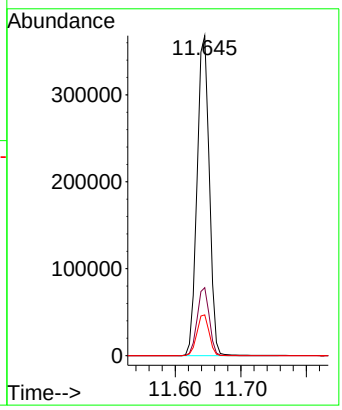


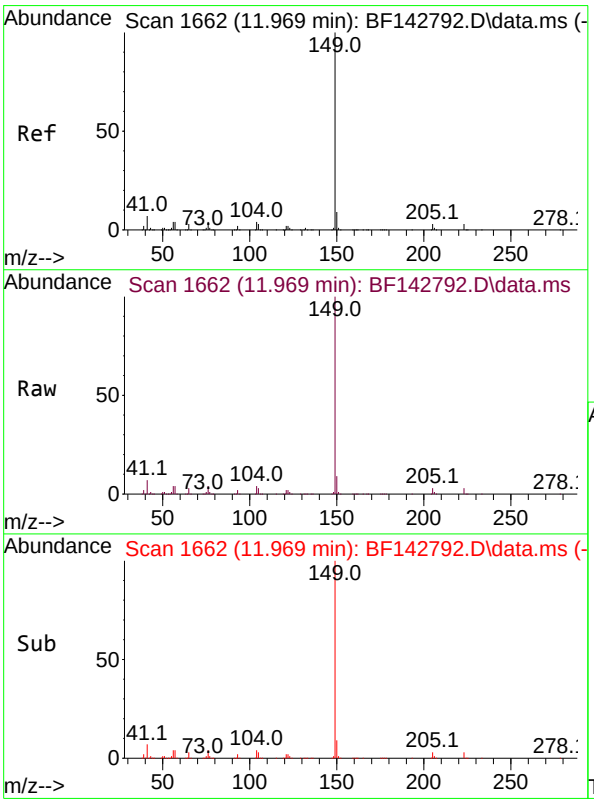

#73
Carbazole
Concen: 38.769 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:167 Resp: 473801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.2 | 17.0 | 25.4 |
| 139 | 12.7 | 10.2 | 15.2 |

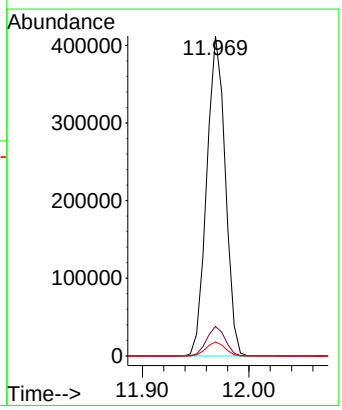


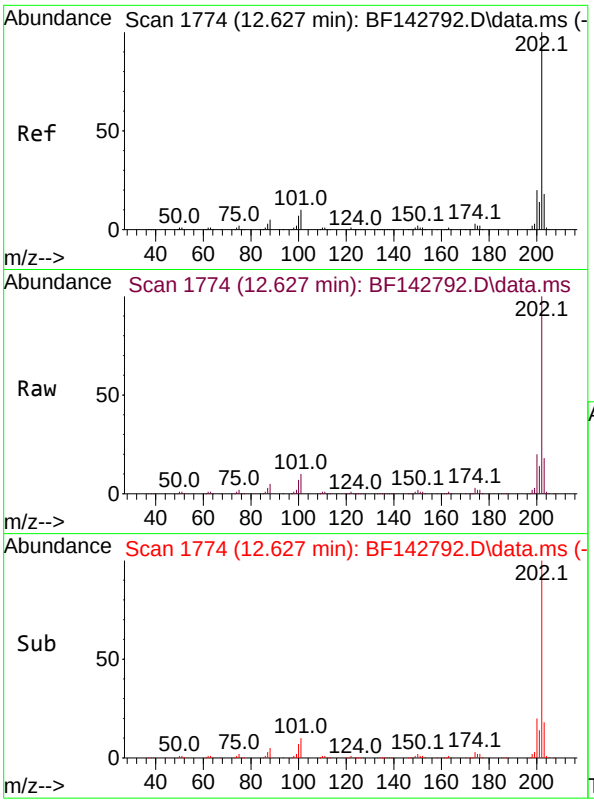




#74
Di-n-butylphthalate
Concen: 36.824 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:149 Resp: 498285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.4 | 11.0 |
| 104 | 4.4 | 3.5 | 5.3 |



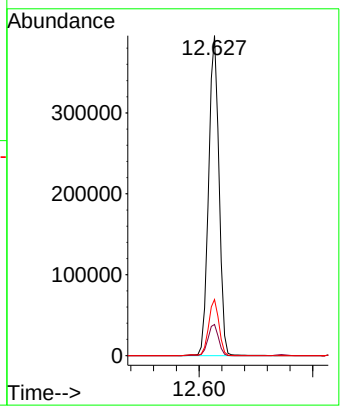


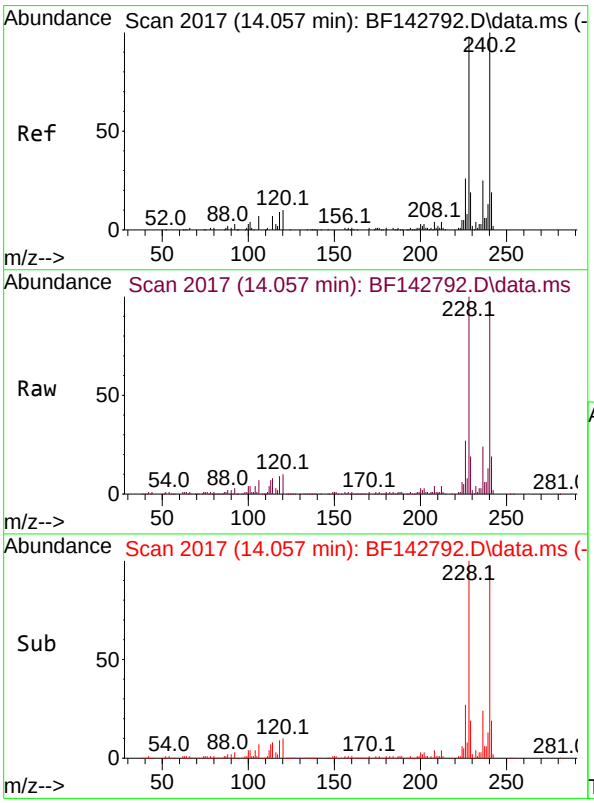

#75
Fluoranthene
Concen: 37.522 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:202 Resp: 502656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.7 | 0.0 | 29.7 |
| 203 | 17.5 | 0.0 | 37.5 |

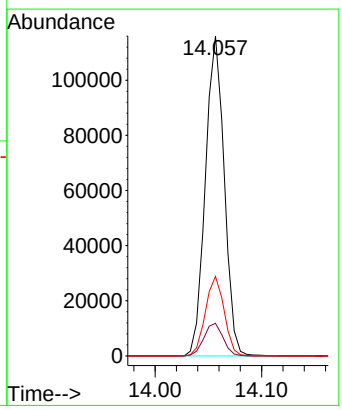


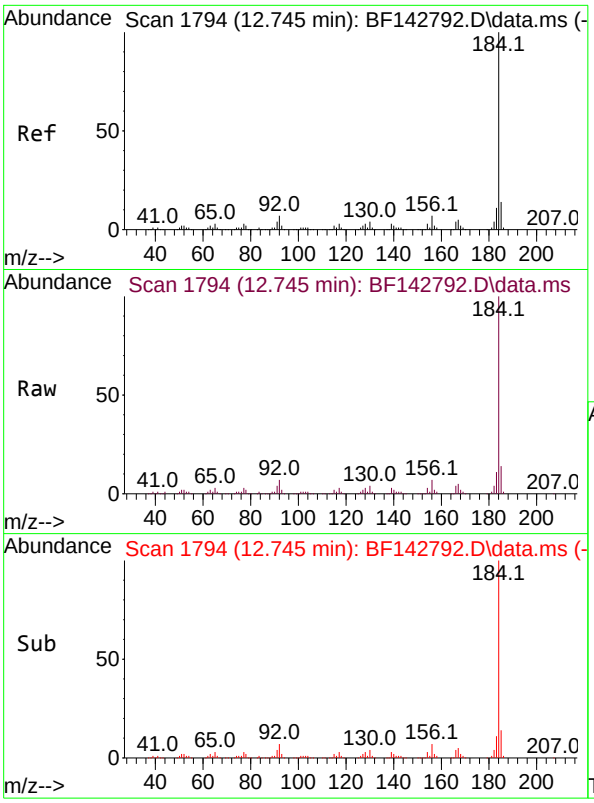




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:240 Resp: 142481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.2 | 8.2 | 12.2 |
| 236 | 24.8 | 19.8 | 29.8 |



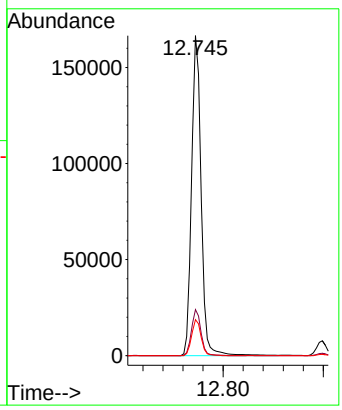


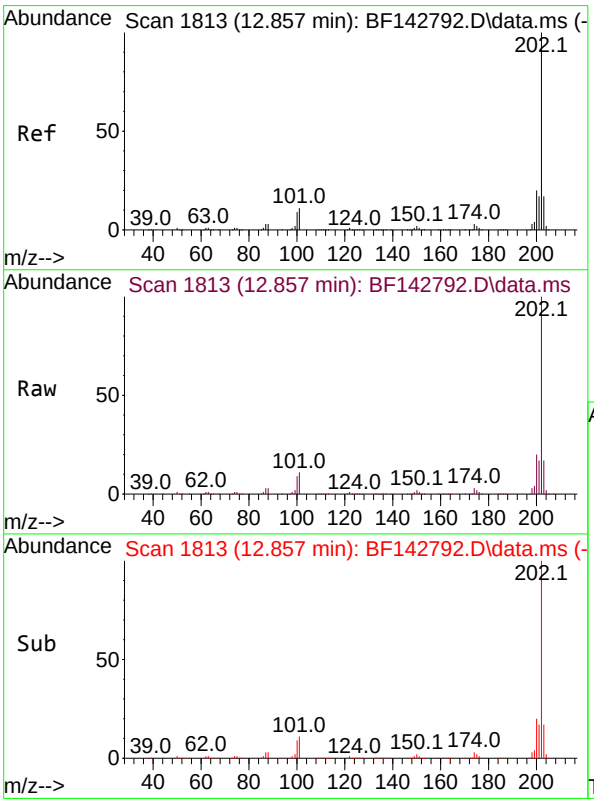

#77
Benzidine
Concen: 43.691 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:184 Resp: 220379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.4 | 11.5 | 17.3 |
| 183 | 11.2 | 9.0 | 13.4 |

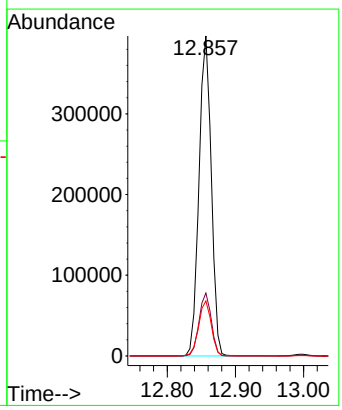


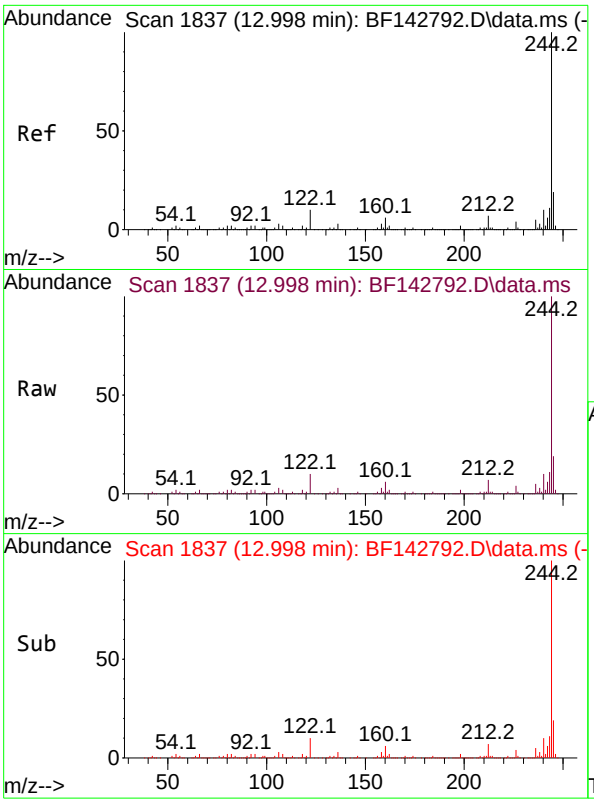




#78
Pyrene
Concen: 37.911 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:202 Resp: 496538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.6 | 15.7 | 23.5 |
| 203 | 17.2 | 13.8 | 20.6 |



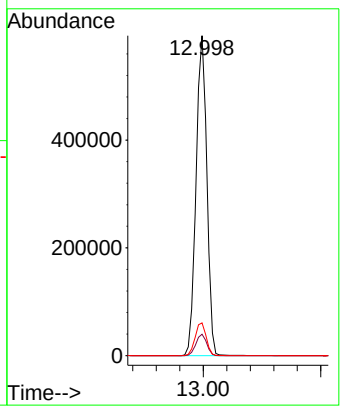


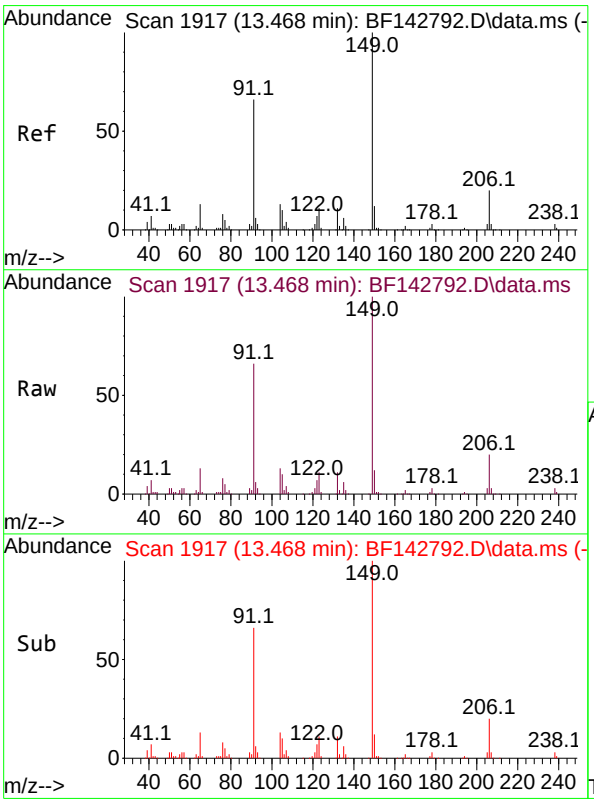

#79
Terphenyl-d14
Concen: 73.897 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:244 Resp: 756495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.4 | 8.0 |
| 122 | 10.2 | 8.2 | 12.2 |

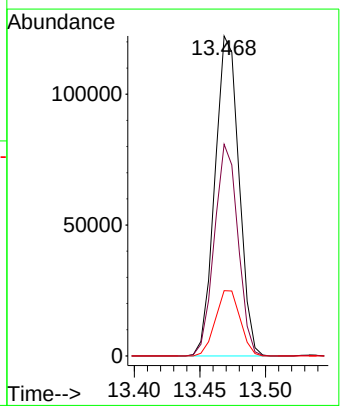


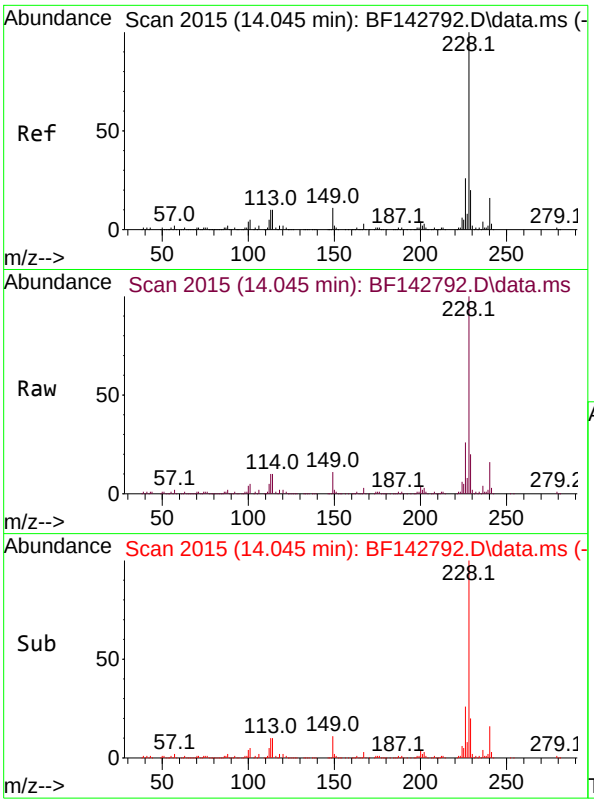




#80
Butylbenzylphthalate
Concen: 40.172 ng
RT: 13.468 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:149 Resp: 155920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 66.1 | 52.9 | 79.3 |
| 206 | 20.4 | 16.3 | 24.5 |



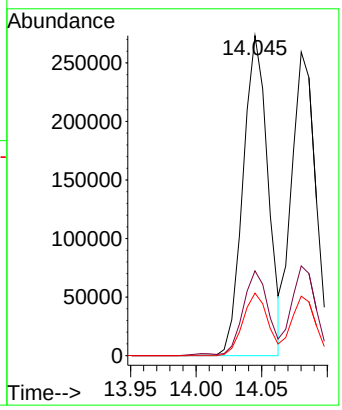


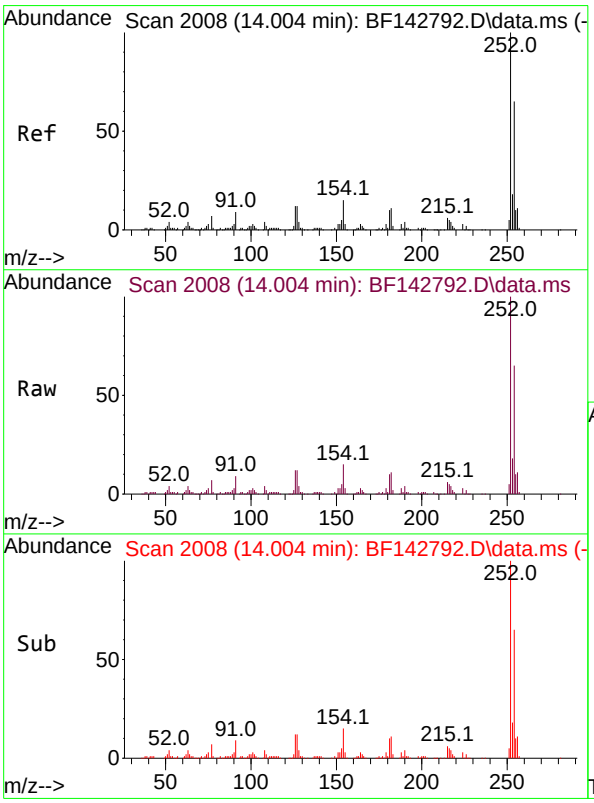

#81
Benzo(a)anthracene
Concen: 38.522 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:228 Resp: 360377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.5 | 21.2 | 31.8 |
| 229 | 19.5 | 15.6 | 23.4 |

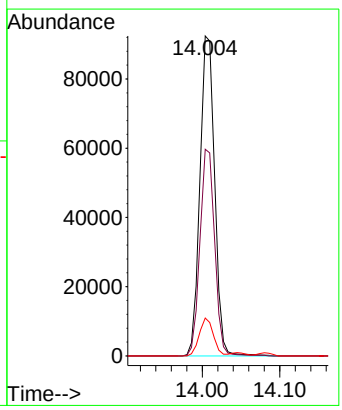


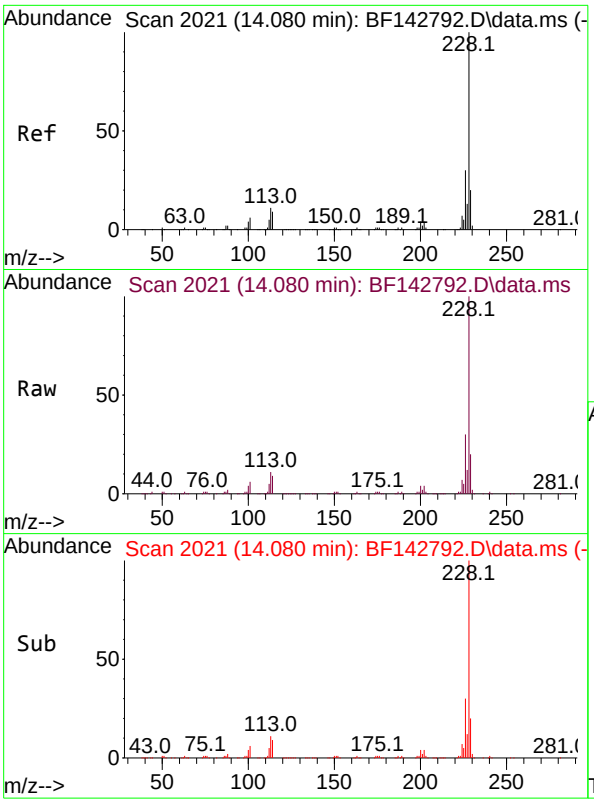




#82
3,3'-Dichlorobenzidine
Concen: 40.321 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:252 Resp: 122140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.6 | 51.7 | 77.5 |
| 126 | 11.8 | 9.4 | 14.2 |



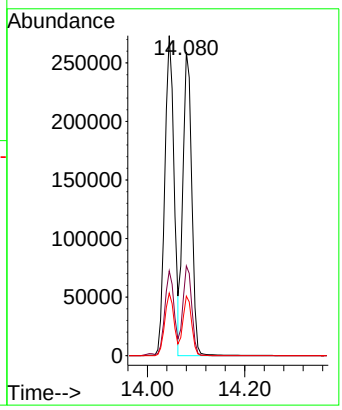


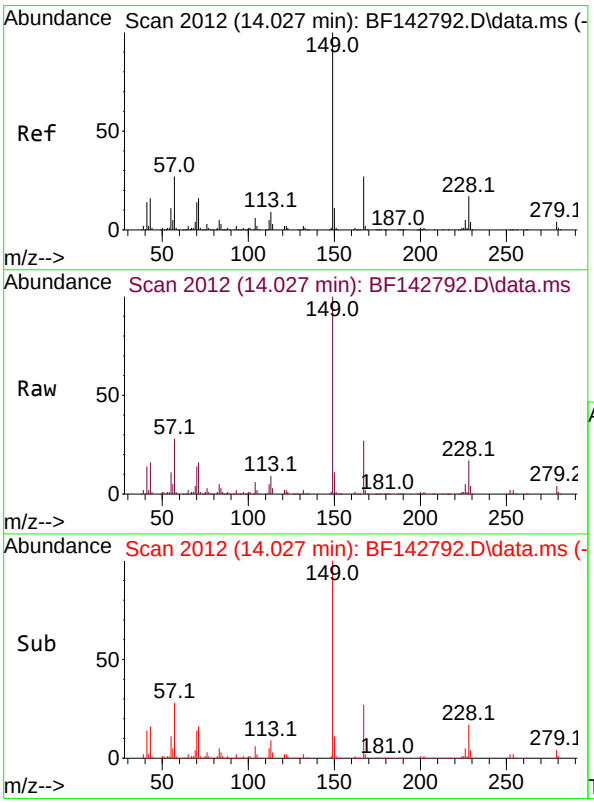

#83
Chrysene
Concen: 38.101 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:228 Resp: 331830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 23.7 | 35.5 |
| 229 | 19.6 | 15.7 | 23.5 |

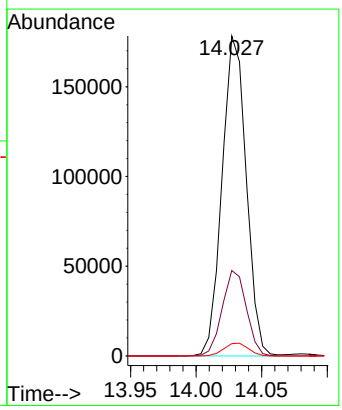


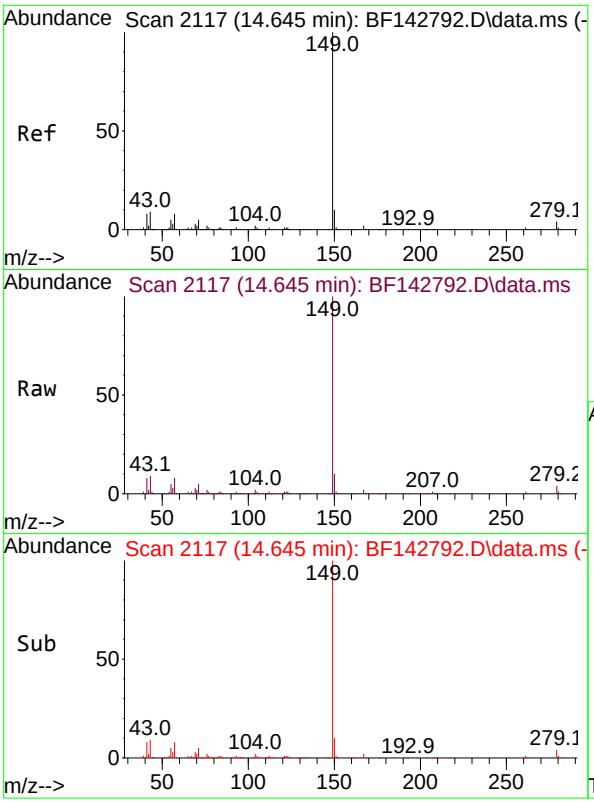




#84
Bis(2-ethylhexyl)phthalate
Concen: 39.589 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:149 Resp: 228949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.7 | 21.4 | 32.0 |
| 279 | 3.8 | 3.0 | 4.6 |



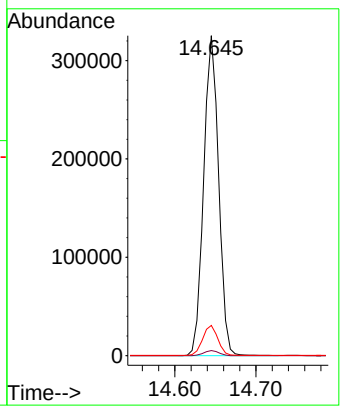


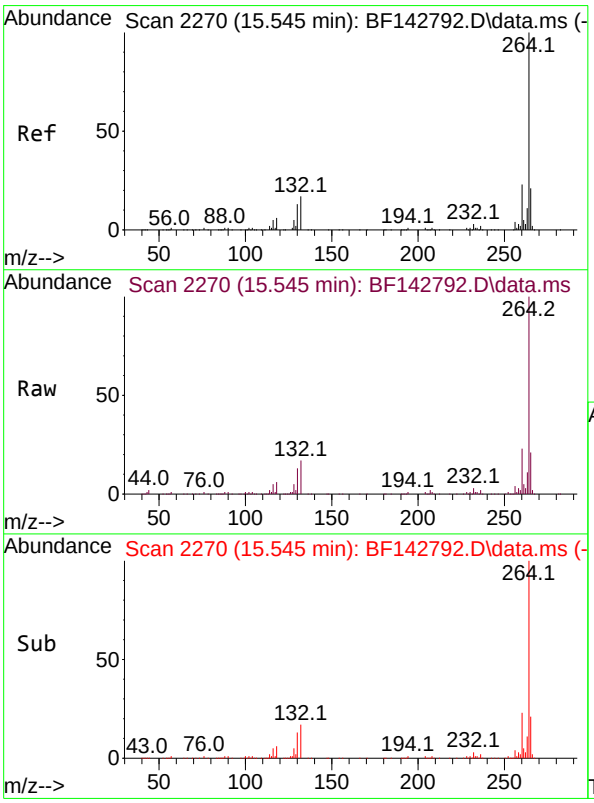

#85
Di-n-octyl phthalate
Concen: 37.837 ng
RT: 14.645 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:149 Resp: 416971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.5 | 7.6 | 11.4 |

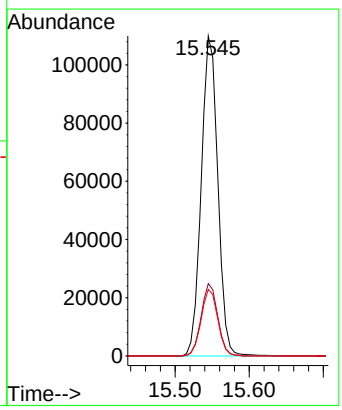


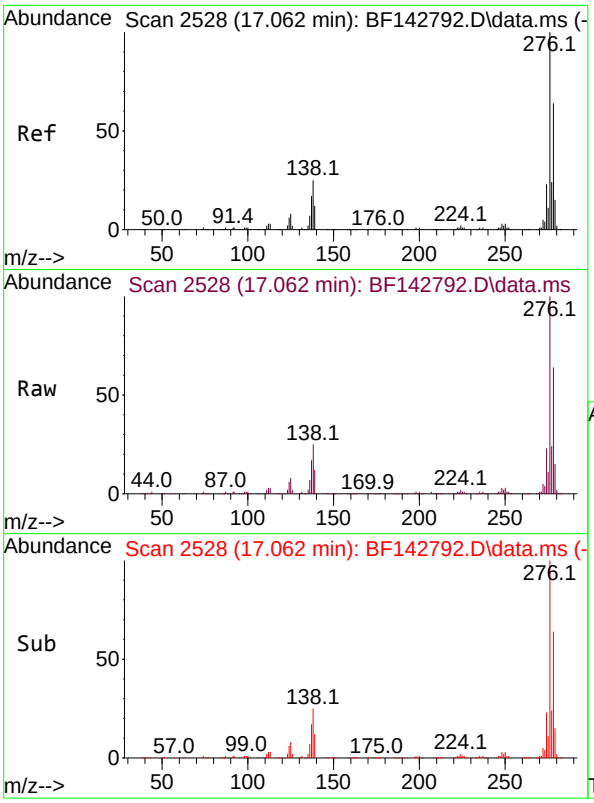




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:264 Resp: 170267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.6 | 18.1 | 27.1 |
| 265 | 20.8 | 16.6 | 25.0 |



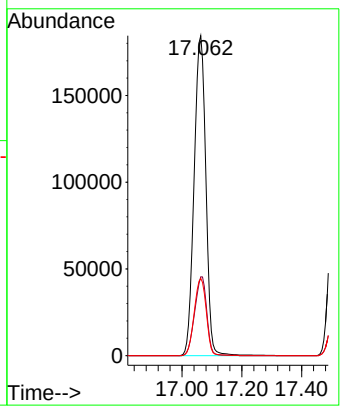


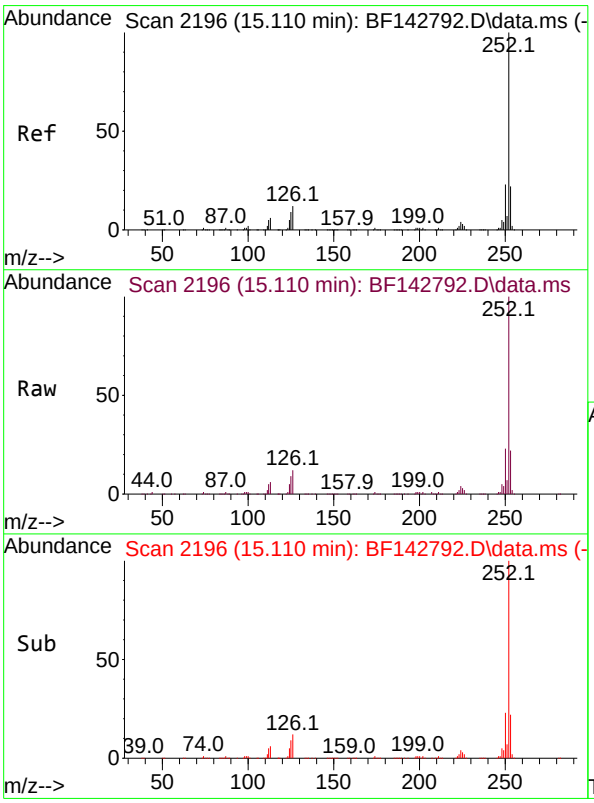

#87
Indeno(1,2,3-cd)pyrene
Concen: 39.863 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:276 Resp: 501803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.3 | 20.2 | 30.4 |
| 277 | 24.7 | 19.8 | 29.6 |

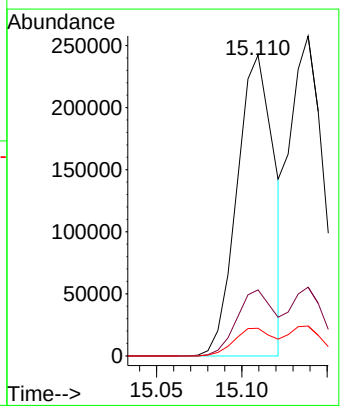


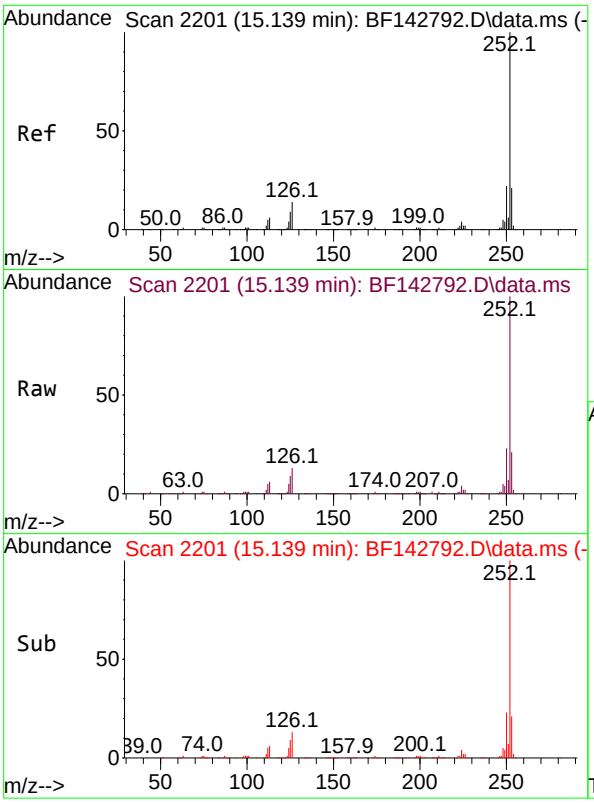




#88
Benzo(b)fluoranthene
Concen: 36.825 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:252 Resp: 365164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 9.2 | 7.4 | 11.0 |



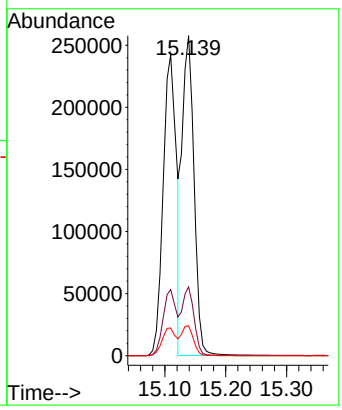


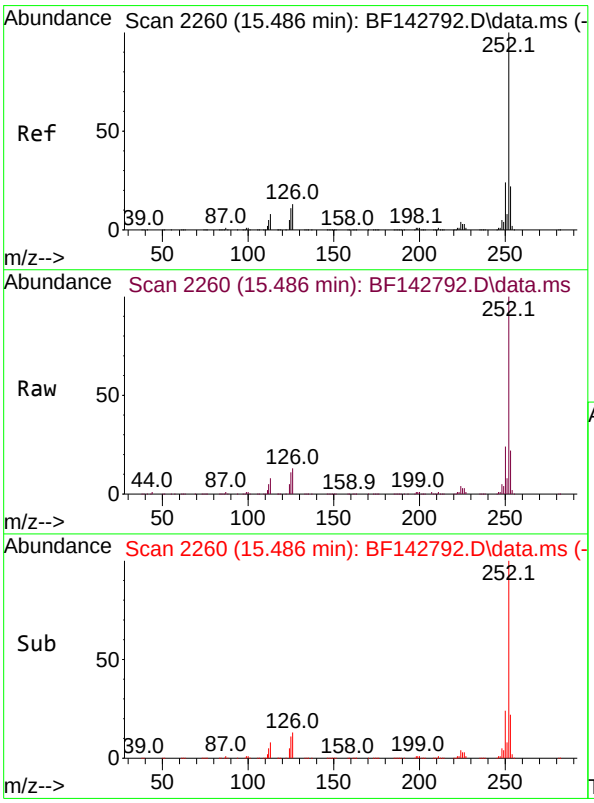

#89
Benzo(k)fluoranthene
Concen: 36.466 ng
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:252 Resp: 352993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.2 | 25.8 |
| 125 | 9.3 | 7.4 | 11.2 |

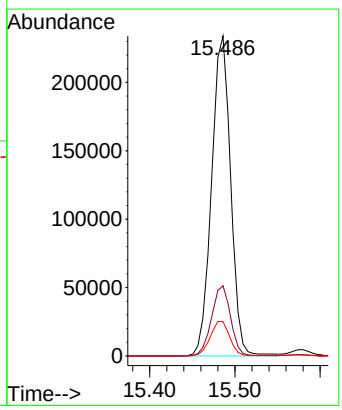


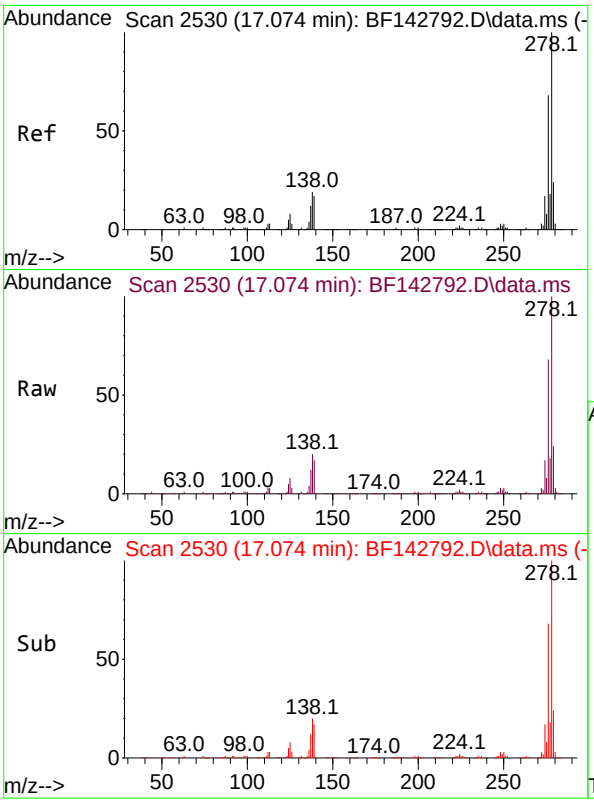




#90
Benzo(a)pyrene
Concen: 38.357 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:252 Resp: 363990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 10.7 | 8.6 | 12.8 |



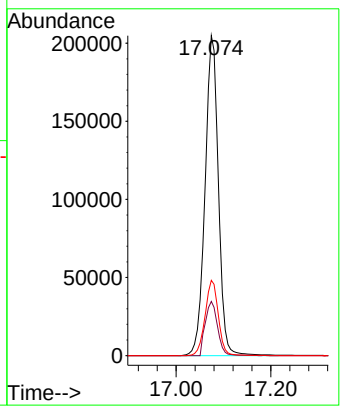


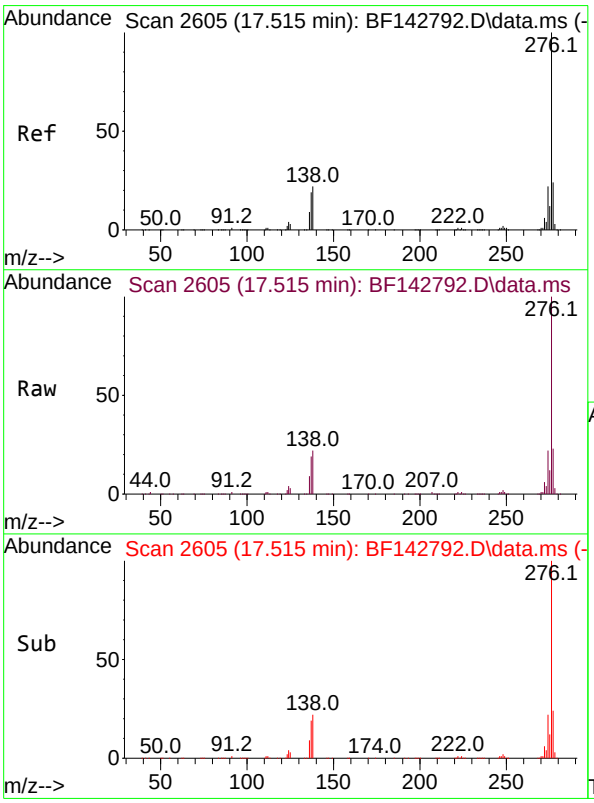

#91
Dibenzo(a,h)anthracene
Concen: 39.266 ng
RT: 17.074 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:278 Resp: 401876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.9 | 13.5 | 20.3 |
| 279 | 23.5 | 18.8 | 28.2 |

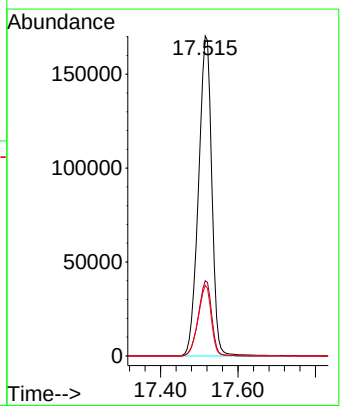



#92
Benzo(g,h,i)perylene
Concen: 39.635 ng
RT: 17.515 min Scan# 2605
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:276 Resp: 404711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.5 | 18.8 | 28.2 |
| 138 | 22.0 | 17.6 | 26.4 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142793.D
Acq On : 19 Jun 2025 19:40
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Quant Time: Jun 20 04:40:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 69874 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.169 | 136 | 262911 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.922 | 164 | 139156 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.410 | 188 | 229780 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.057 | 240 | 117825 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 139593 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.492 | 112 | 441114 | 107.674 | ng | 0.00 |
| 7) Phenol-d6 | 6.510 | 99 | 516909 | 107.451 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.451 | 82 | 506846 | 105.669 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.716 | 330 | 152358 | 100.743 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.245 | 172 | 1043477 | 99.755 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.998 | 244 | 904305 | 106.820 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.628 | 88 | 88835 | 54.606 | ng | 99 |
| 3) Pyridine | 3.398 | 79 | 227576 | 55.874 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.351 | 42 | 116636 | 55.913 | ng | 98 |
| 6) Aniline | 6.545 | 93 | 346211 | 53.700 | ng | 99 |
| 8) 2-Chlorophenol | 6.663 | 128 | 238691 | 53.507 | ng | 99 |
| 9) Benzaldehyde | 6.434 | 77 | 145420 | 49.583 | ng | 99 |
| 10) Phenol | 6.528 | 94 | 288461 | 53.781 | ng | 95 |
| 11) bis(2-Chloroethyl)ether | 6.616 | 93 | 206661 | 51.933 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 262098 | 51.598 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 266098 | 51.685 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 253411 | 51.487 | ng | 99 |
| 15) Benzyl Alcohol | 7.022 | 79 | 193284 | 53.677 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45 | 328251 | 52.354 | ng | 99 |
| 17) 2-Methylphenol | 7.133 | 107 | 182167 | 53.415 | ng | 99 |
| 18) Hexachloroethane | 7.392 | 117 | 94097 | 51.126 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.298 | 70 | 147905 | 48.753 | ng | 98 |
| 20) 3+4-Methylphenols | 7.286 | 107 | 229169 | 53.390 | ng | 94 |
| 22) Acetophenone | 7.292 | 105 | 303087 | 52.102 | ng | 98 |
| 24) Nitrobenzene | 7.469 | 77 | 229219 | 53.773 | ng | 98 |
| 25) Isophorone | 7.704 | 82 | 404886 | 50.334 | ng | 100 |
| 26) 2-Nitrophenol | 7.781 | 139 | 127773 | 53.795 | ng | 99 |
| 27) 2,4-Dimethylphenol | 7.816 | 122 | 216204 | 53.466 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.916 | 93 | 256119 | 51.148 | ng | 100 |
| 29) 2,4-Dichlorophenol | 8.022 | 162 | 195589 | 52.478 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.104 | 180 | 213118 | 51.763 | ng | 100 |
| 31) Naphthalene | 8.186 | 128 | 668713 | 51.717 | ng | 100 |
| 32) Benzoic acid | 7.933 | 122 | 119196 | 53.128 | ng | 97 |
| 33) 4-Chloroaniline | 8.239 | 127 | 276441 | 53.347 | ng | 99 |
| 34) Hexachlorobutadiene | 8.304 | 225 | 131697 | 50.481 | ng | 99 |
| 35) Caprolactam | 8.610 | 113 | 53024 | 52.873 | ng | 98 |
| 36) 4-Chloro-3-methylphenol | 8.716 | 107 | 195744 | 50.843 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.880 | 142 | 414854 | 50.859 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.980 | 142 | 430144 | 50.792 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.045 | 216 | 207997 | 51.779 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 9.033 | 237 | 127033 | 50.012 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.157 | 196 | 141932 | 54.597 | ng | 100 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142793.D
Acq On : 19 Jun 2025 19:40
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Quant Time: Jun 20 04:40:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.198 | 196 | 144717 | 51.550 ng | 100 |
| 46) 1,1'-Biphenyl | 9.345 | 154 | 559765 | 51.807 ng | 99 |
| 47) 2-Chloronaphthalene | 9.369 | 162 | 420603 | 52.754 ng | 100 |
| 48) 2-Nitroaniline | 9.463 | 65 | 124478 | 54.955 ng | 99 |
| 49) Acenaphthylene | 9.786 | 152 | 694098 | 51.783 ng | 100 |
| 50) Dimethylphthalate | 9.645 | 163 | 464372 | 50.308 ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.710 | 165 | 102361 | 51.156 ng | 98 |
| 52) Acenaphthene | 9.957 | 154 | 427135 | 51.498 ng | 100 |
| 53) 3-Nitroaniline | 9.874 | 138 | 117448 | 54.038 ng | 98 |
| 54) 2,4-Dinitrophenol | 9.986 | 184 | 60308 | 55.696 ng | 92 |
| 55) Dibenzofuran | 10.127 | 168 | 609507 | 51.506 ng | 100 |
| 56) 4-Nitrophenol | 10.033 | 139 | 82688 | 56.047 ng | 98 |
| 57) 2,4-Dinitrotoluene | 10.110 | 165 | 141691 | 53.554 ng | 98 |
| 58) Fluorene | 10.474 | 166 | 473968 | 50.747 ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232 | 120008 | 50.988 ng | 97 |
| 60) Diethylphthalate | 10.345 | 149 | 458546 | 50.010 ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204 | 222613 | 49.076 ng | 98 |
| 62) 4-Nitroaniline | 10.492 | 138 | 109973 | 56.363 ng | 97 |
| 63) Azobenzene | 10.622 | 77 | 409164 | 51.063 ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198 | 76696 | 53.713 ng | 97 |
| 66) n-Nitrosodiphenylamine | 10.580 | 169 | 411917 | 52.171 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248 | 135699 | 50.425 ng | 98 |
| 68) Hexachlorobenzene | 11.021 | 284 | 150669 | 50.432 ng | 99 |
| 69) Atrazine | 11.110 | 200 | 111915 | 53.385 ng | 99 |
| 70) Pentachlorophenol | 11.216 | 266 | 81577 | 52.574 ng | 98 |
| 71) Phenanthrene | 11.439 | 178 | 644668 | 52.403 ng | 99 |
| 72) Anthracene | 11.492 | 178 | 654942 | 51.433 ng | 99 |
| 73) Carbazole | 11.645 | 167 | 575784 | 53.996 ng | 100 |
| 74) Di-n-butylphthalate | 11.968 | 149 | 616452 | 52.211 ng | 100 |
| 75) Fluoranthene | 12.627 | 202 | 608190 | 52.032 ng | 100 |
| 77) Benzidine | 12.745 | 184 | 242794 | 58.208 ng | 100 |
| 78) Pyrene | 12.857 | 202 | 597913 | 55.205 ng | 99 |
| 80) Butylbenzylphthalate | 13.474 | 149 | 180565 | 56.257 ng | 97 |
| 81) Benzo(a)anthracene | 14.045 | 228 | 413349 | 53.431 ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.010 | 252 | 140152 | 55.949 ng | 99 |
| 83) Chrysene | 14.080 | 228 | 381352 | 52.950 ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149 | 253542 | 53.016 ng | 100 |
| 85) Di-n-octyl phthalate | 14.645 | 149 | 474143 | 52.029 ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.062 | 276 | 575271 | 55.741 ng | 100 |
| 88) Benzo(b)fluoranthene | 15.109 | 252 | 401915 | 49.437 ng | 100 |
| 89) Benzo(k)fluoranthene | 15.139 | 252 | 416169 | 52.440 ng | 100 |
| 90) Benzo(a)pyrene | 15.486 | 252 | 419030 | 53.860 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.080 | 278 | 466485 | 55.594 ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.521 | 276 | 464951 | 55.540 ng | 99 |

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

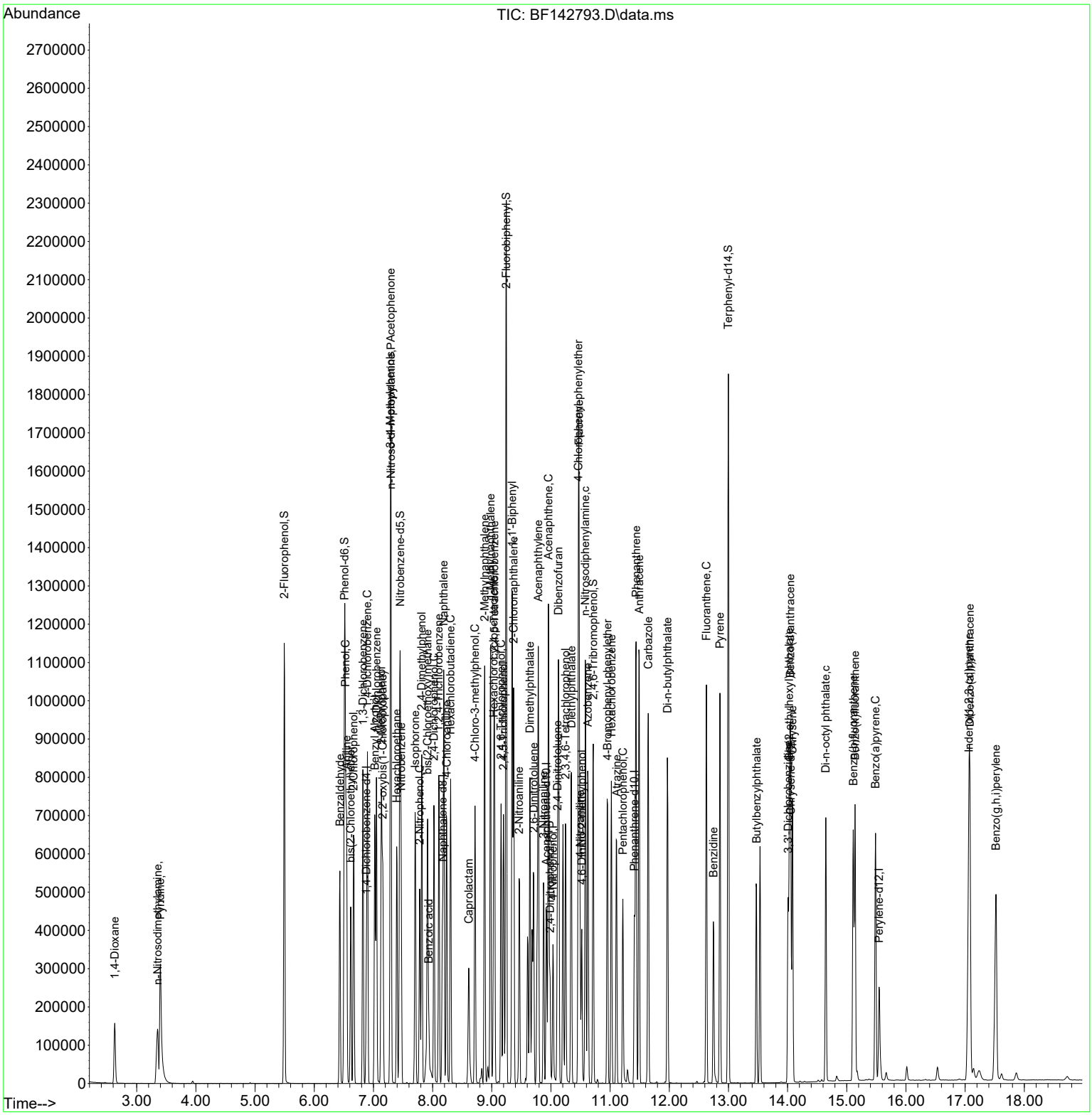
Quantitation Report (QT Reviewed)

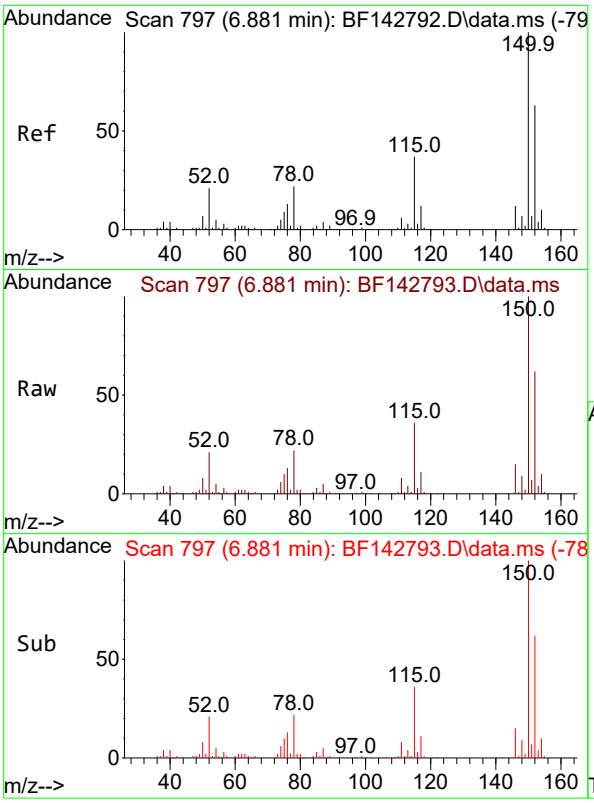
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142793.D
Acq On : 19 Jun 2025 19:40
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Quant Time: Jun 20 04:40:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



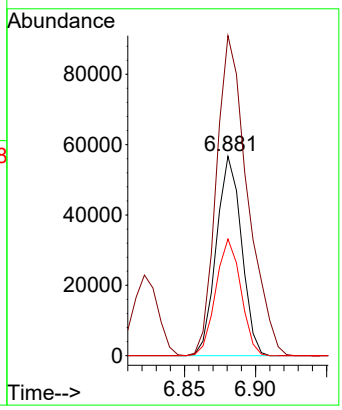


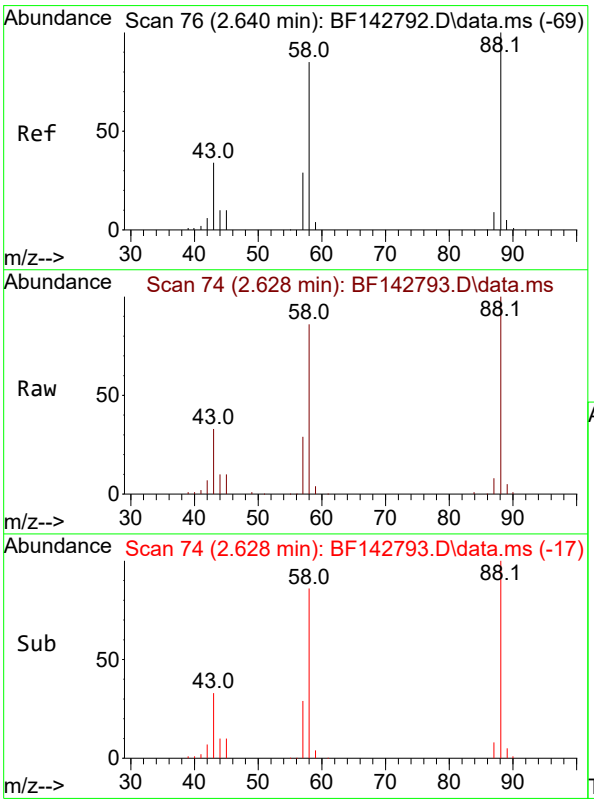

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:152 Resp: 69874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.5 | 127.2 | 190.8 |
| 115 | 58.5 | 46.6 | 69.8 |

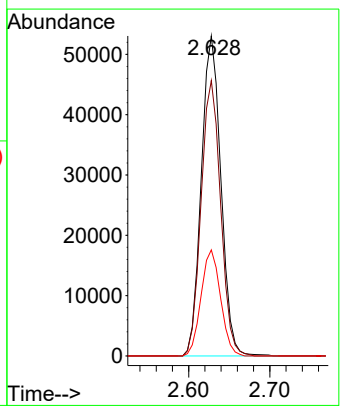


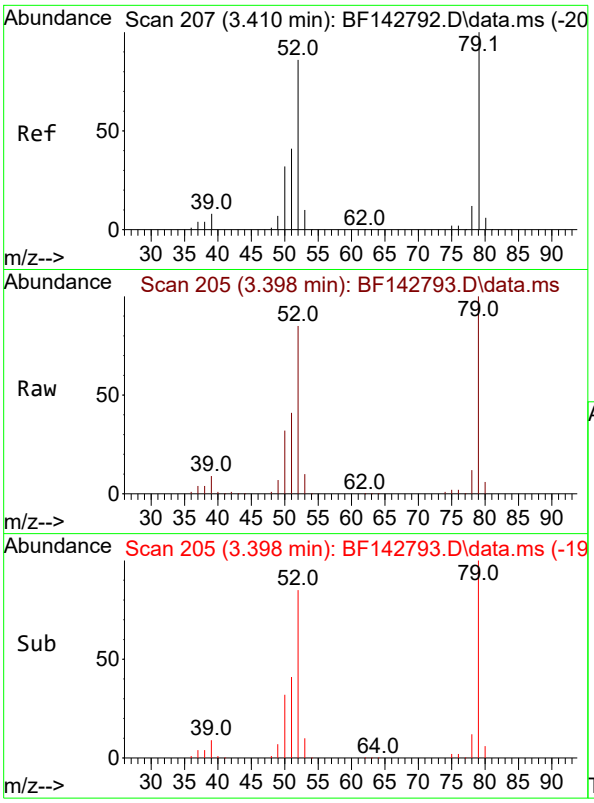




#2
1,4-Dioxane
Concen: 54.606 ng
RT: 2.628 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 88 Resp: 88835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 85.8 | 69.1 | 103.7 |
| 43 | 33.0 | 27.4 | 41.2 |



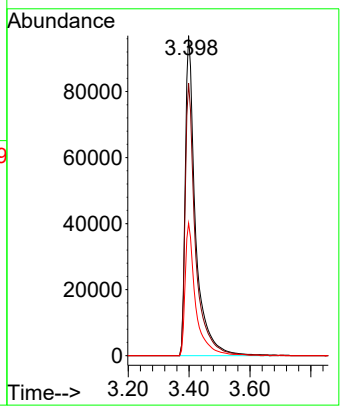


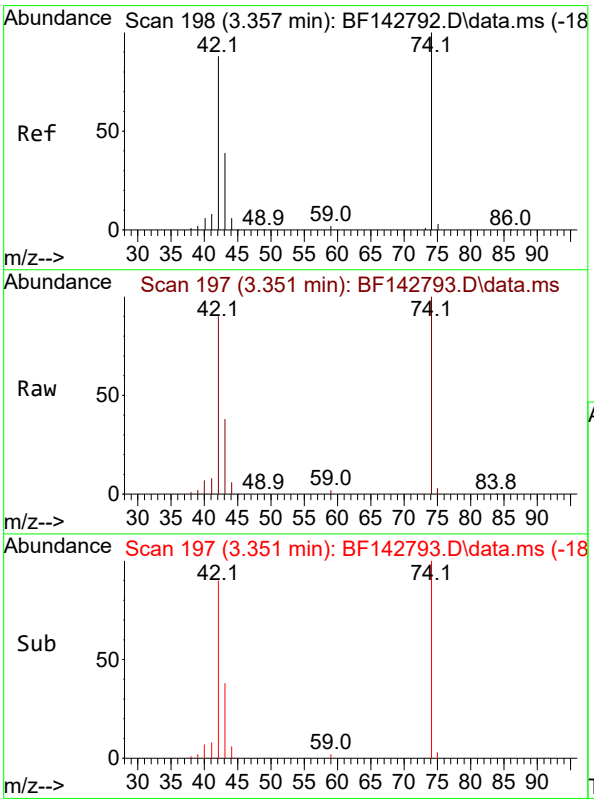

#3
Pyridine
Concen: 55.874 ng
RT: 3.398 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 79 Resp: 227576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 85.2 | 69.2 | 103.8 |
| 51 | 41.4 | 33.2 | 49.8 |

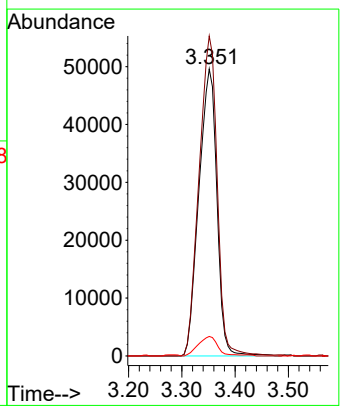


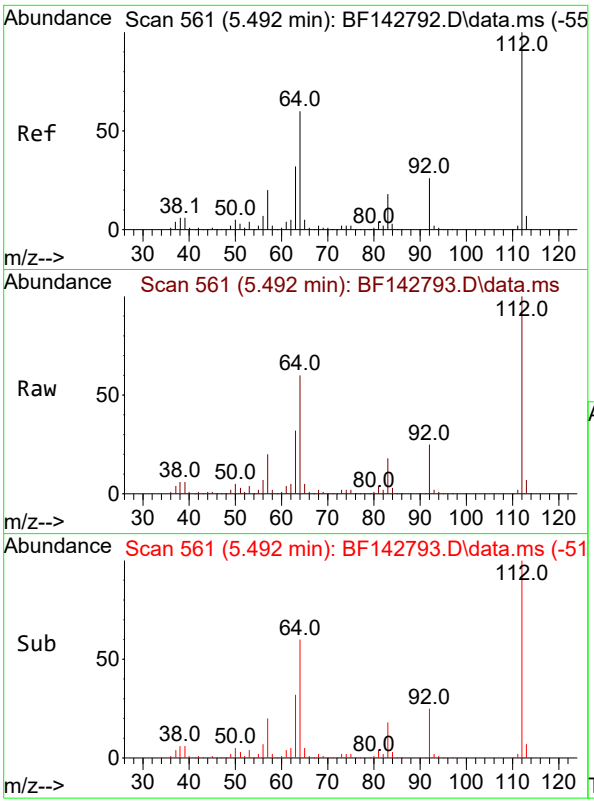




#4
n-Nitrosodimethylamine
Concen: 55.913 ng
RT: 3.351 min Scan# 197
Delta R.T. -0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 42 Resp: 116636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 111.5 | 90.9 | 136.3 |
| 44 | 6.8 | 5.8 | 8.6 |



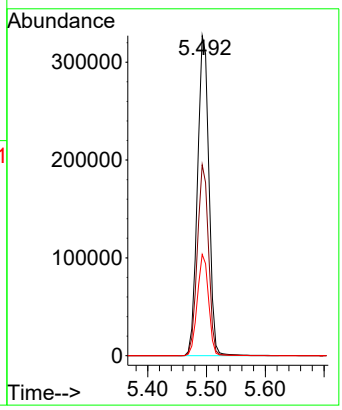


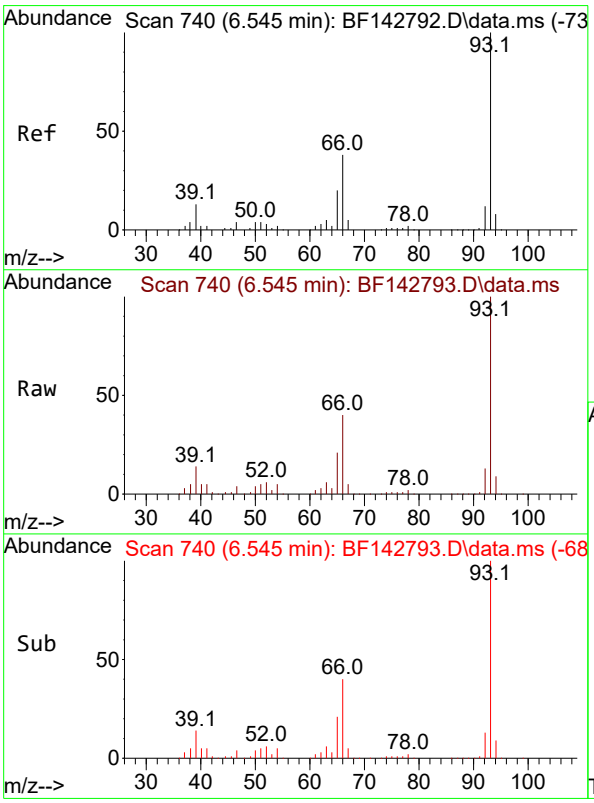

#5
2-Fluorophenol
Concen: 107.674 ng
RT: 5.492 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:112 Resp: 441114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.6 | 48.2 | 72.2 |
| 63 | 31.6 | 25.7 | 38.5 |

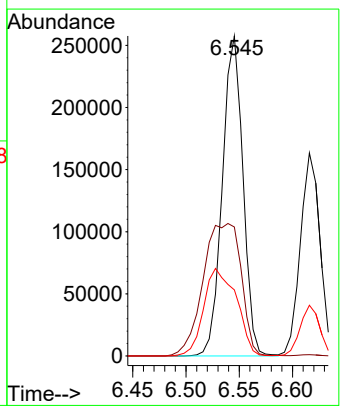


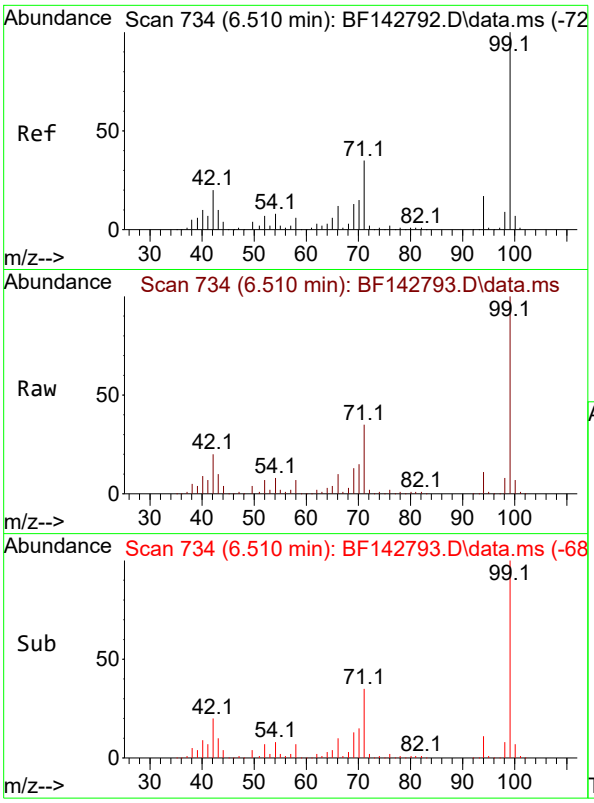




#6
Aniline
Concen: 53.700 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 93 Resp: 346211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.3 | 31.8 | 47.6 |
| 65 | 20.7 | 16.2 | 24.2 |



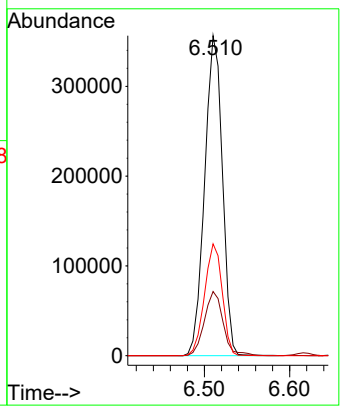


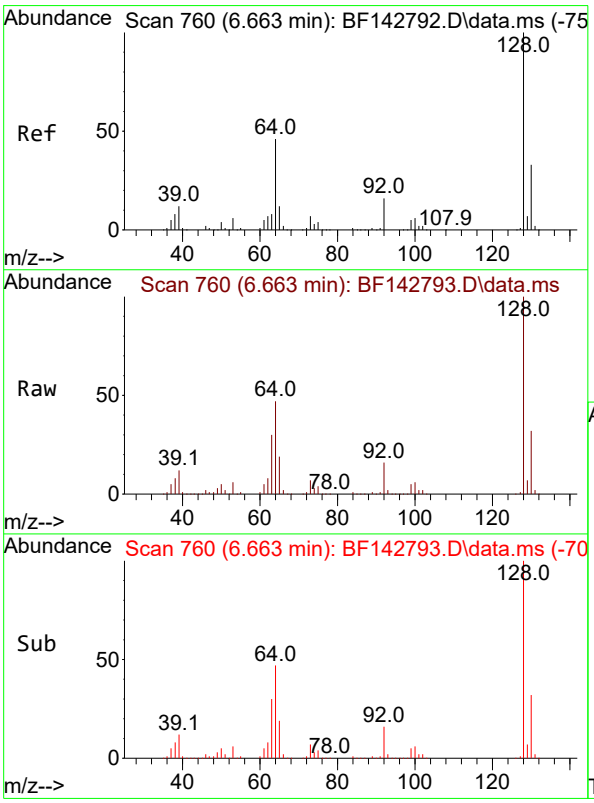

#7
Phenol-d6
Concen: 107.451 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 99 Resp: 516909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.1 | 15.9 | 23.9 |
| 71 | 34.9 | 27.8 | 41.8 |

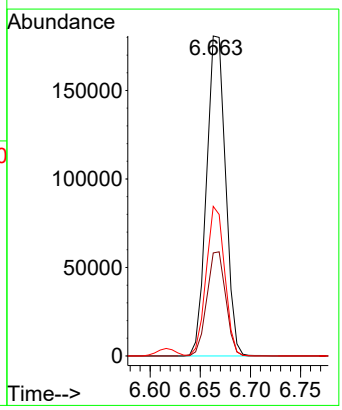


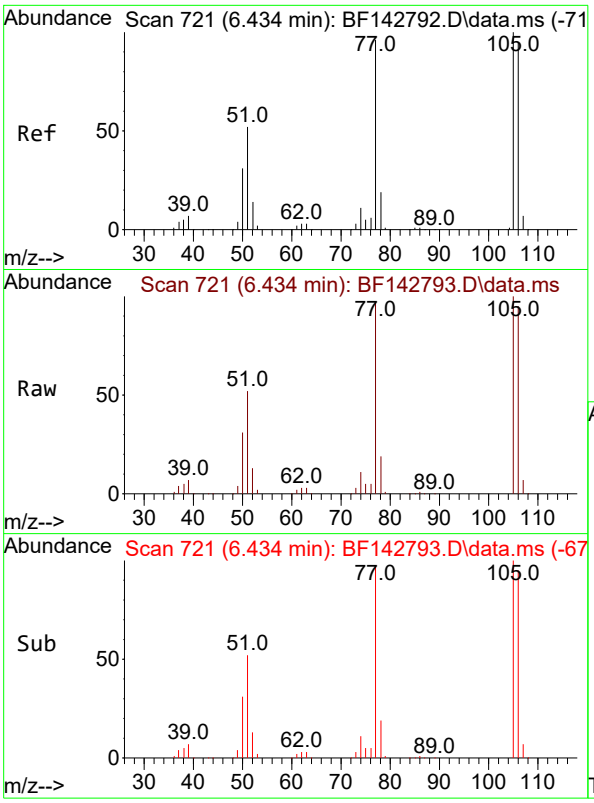




#8
2-Chlorophenol
Concen: 53.507 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:128 Resp: 238691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.2 | 12.7 | 52.7 |
| 64 | 46.8 | 26.5 | 66.5 |



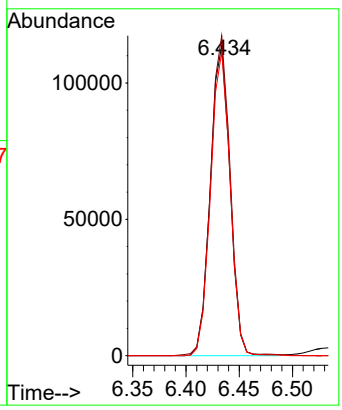


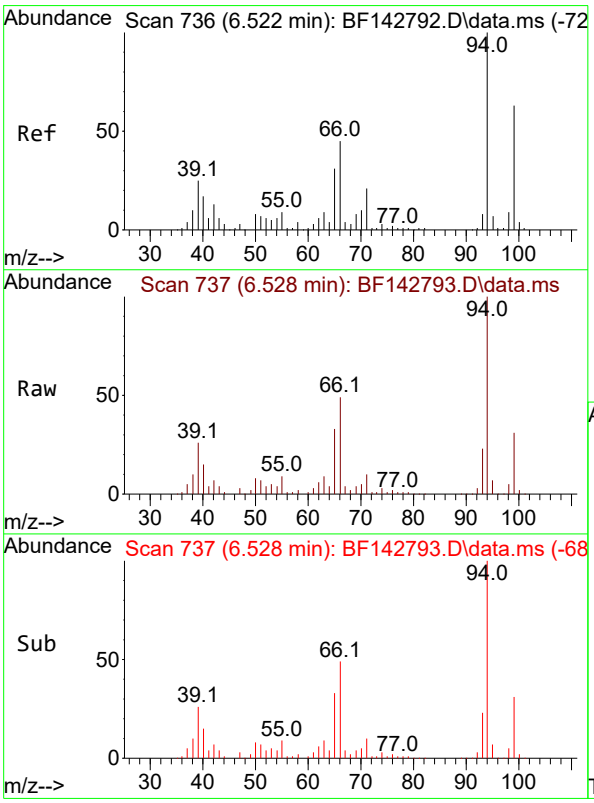

#9
Benzaldehyde
Concen: 49.583 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 77 Resp: 145420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 103.2 | 83.8 | 123.8 |
| 106 | 98.0 | 78.7 | 118.7 |

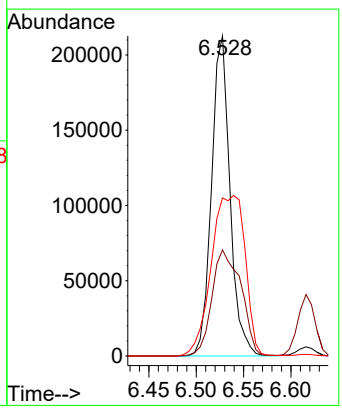


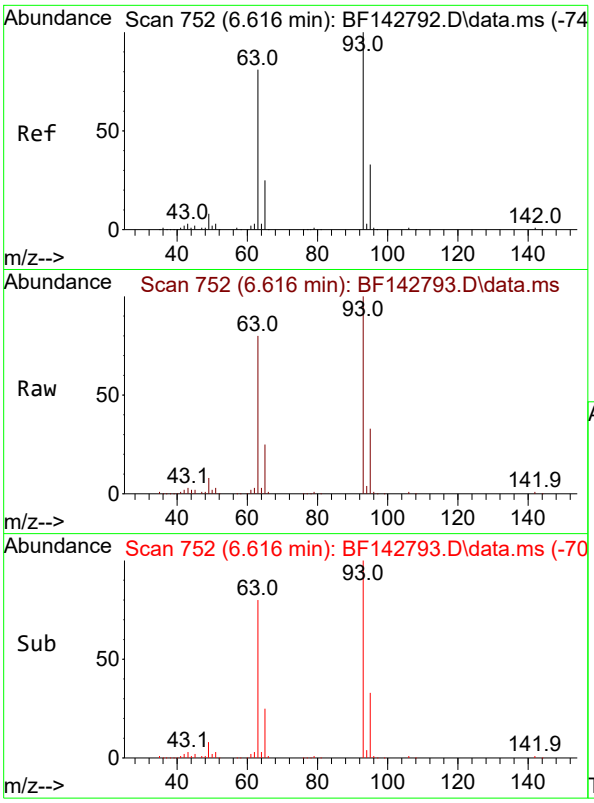




#10
Phenol
Concen: 53.781 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 94 Resp: 288461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 33.2 | 11.3 | 51.3 |
| 66 | 49.4 | 24.9 | 64.9 |



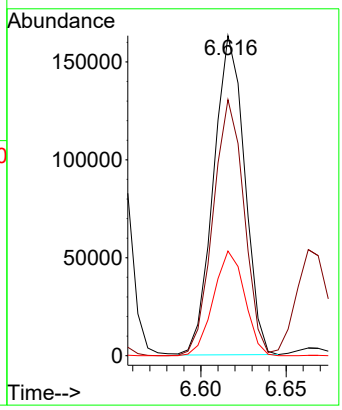


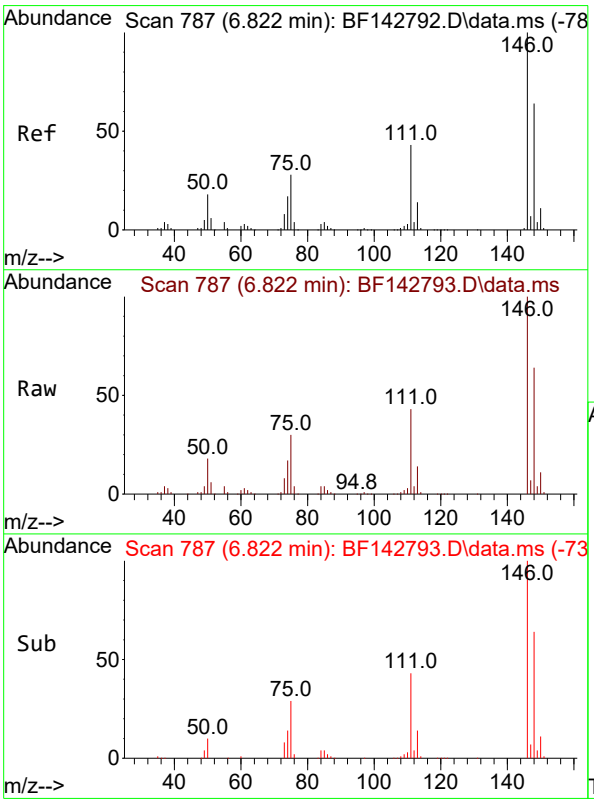

#11
bis(2-Chloroethyl)ether
Concen: 51.933 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 93 Resp: 206661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 80.0 | 60.3 | 100.3 |
| 95 | 32.7 | 12.5 | 52.5 |

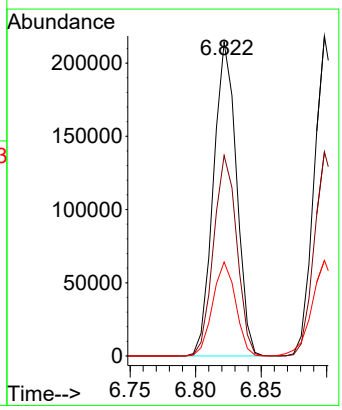


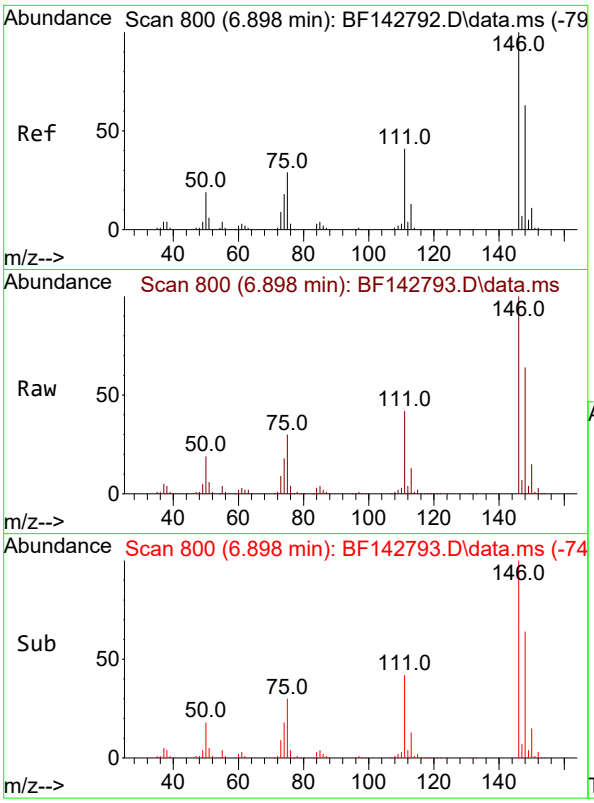




#12
1,3-Dichlorobenzene
Concen: 51.598 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:146 Resp: 262098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 51.1 | 76.7 |
| 75 | 29.9 | 22.7 | 34.1 |



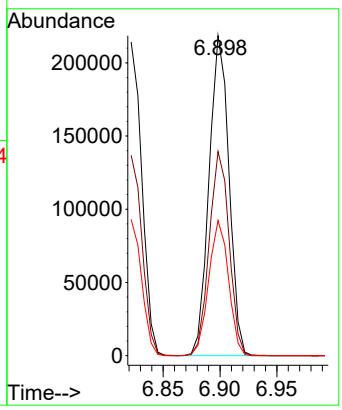


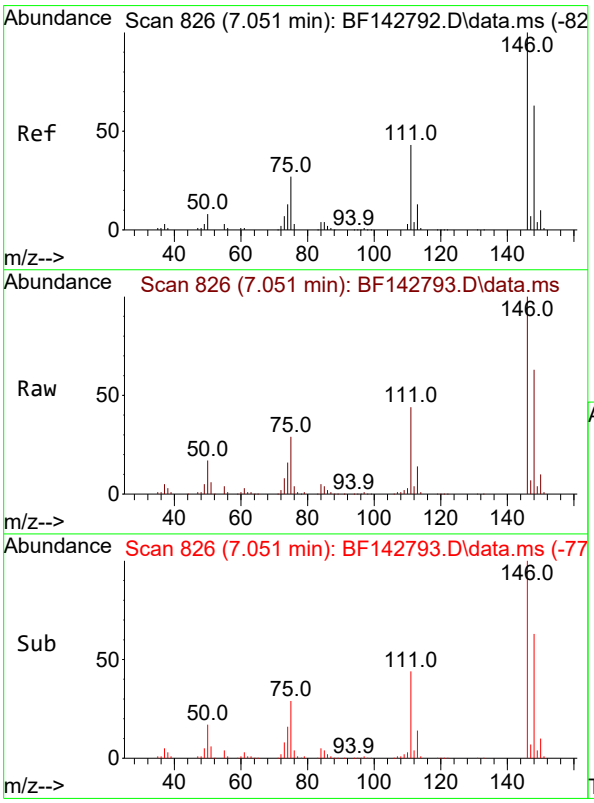

#13
1,4-Dichlorobenzene
Concen: 51.685 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:146 Resp: 266098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 50.2 | 75.2 |
| 111 | 42.2 | 33.2 | 49.8 |

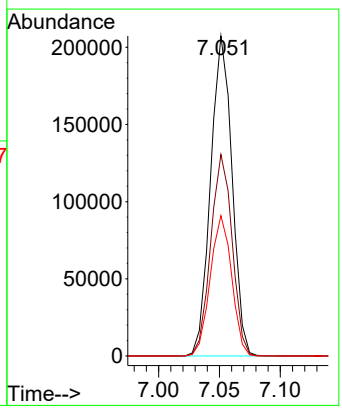


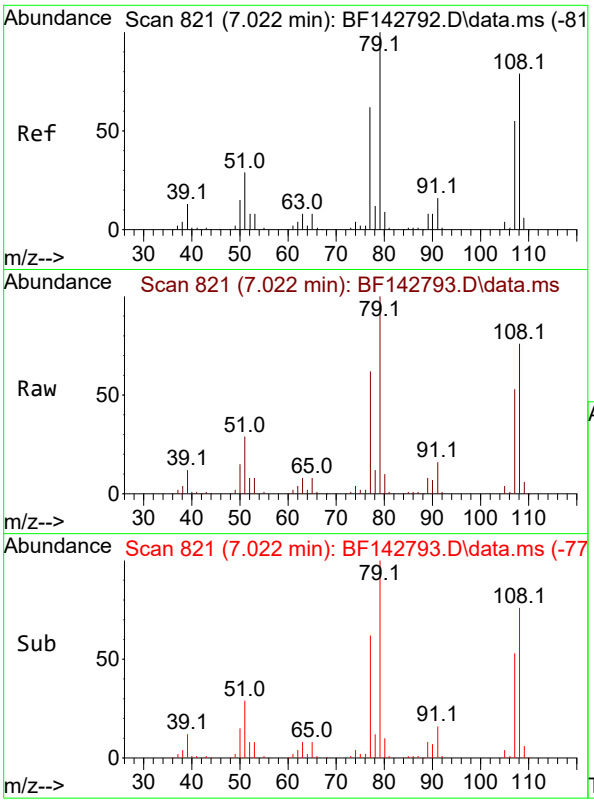




#14
1,2-Dichlorobenzene
Concen: 51.487 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:146 Resp: 253411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.9 | 50.4 | 75.6 |
| 111 | 43.9 | 34.1 | 51.1 |



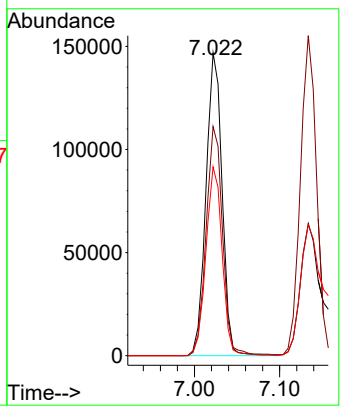


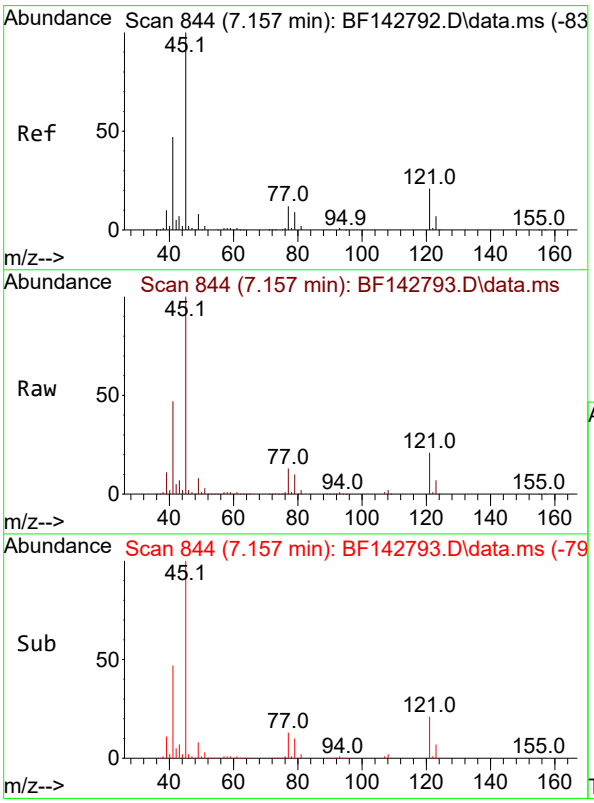

#15
Benzyl Alcohol
Concen: 53.677 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 79 Resp: 193284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 75.6 | 63.4 | 95.0 |
| 77 | 62.4 | 49.5 | 74.3 |

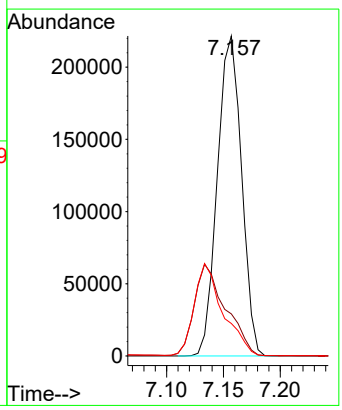


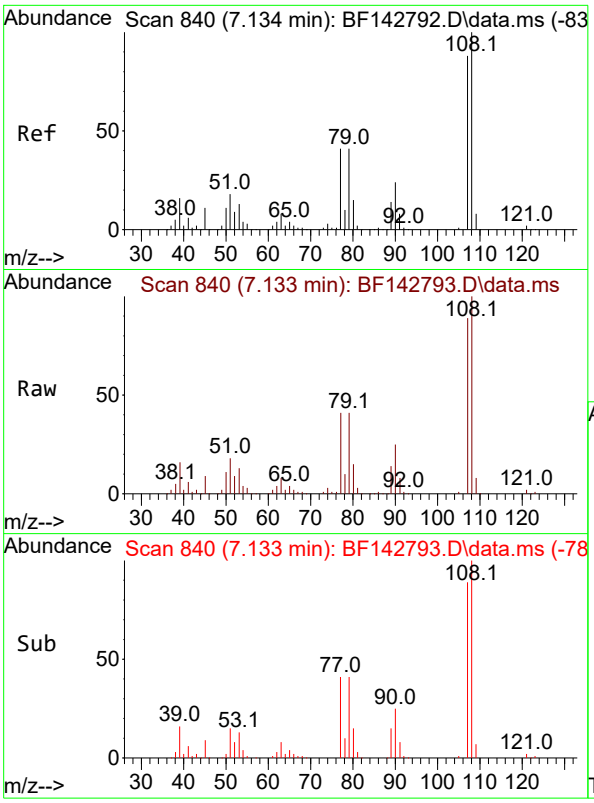




#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.354 ng
RT: 7.157 min Scan# 844
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 45 Resp: 328251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.1 | 0.0 | 32.8 |
| 79 | 10.2 | 0.0 | 29.8 |



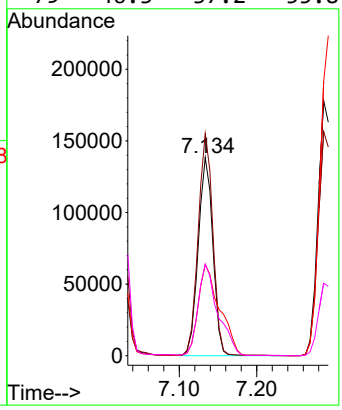


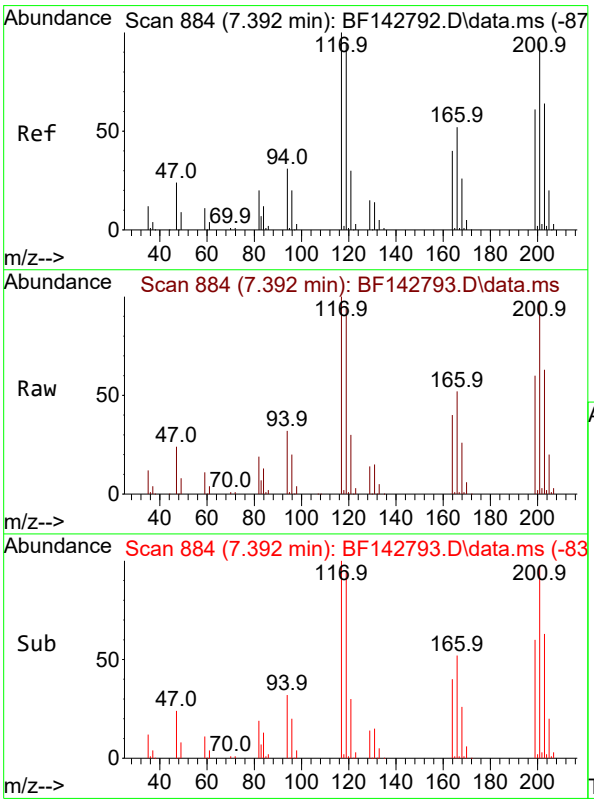

#17
2-Methylphenol
Concen: 53.415 ng
RT: 7.133 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:107 Resp: 182167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.2 | 90.9 | 136.3 |
| 77 | 45.9 | 37.3 | 55.9 |
| 79 | 46.3 | 37.2 | 55.8 |

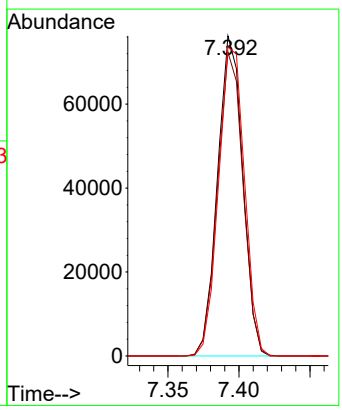


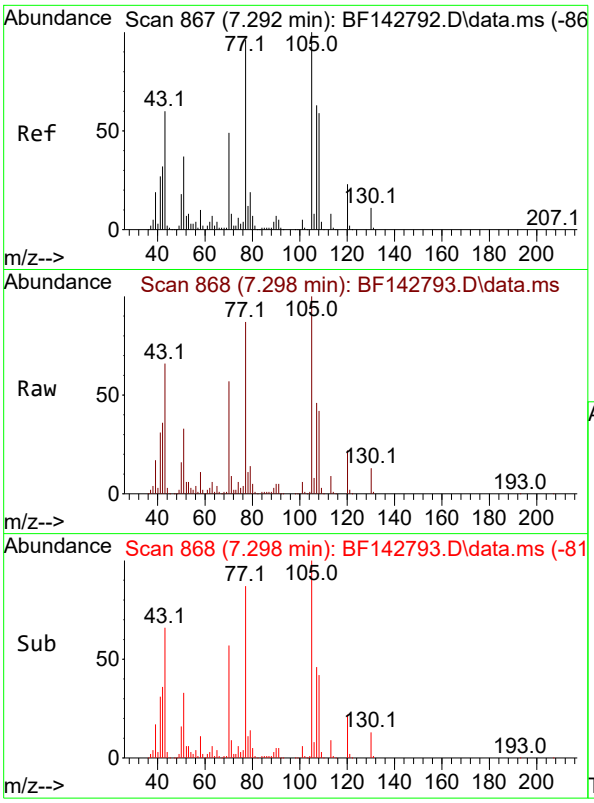




#18
Hexachloroethane
Concen: 51.126 ng
RT: 7.392 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:117 Resp: 94097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.9 | 75.4 | 113.0 |
| 201 | 96.6 | 75.9 | 113.9 |



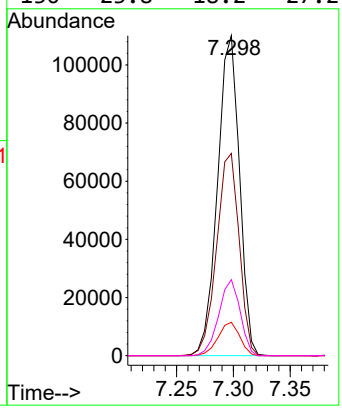


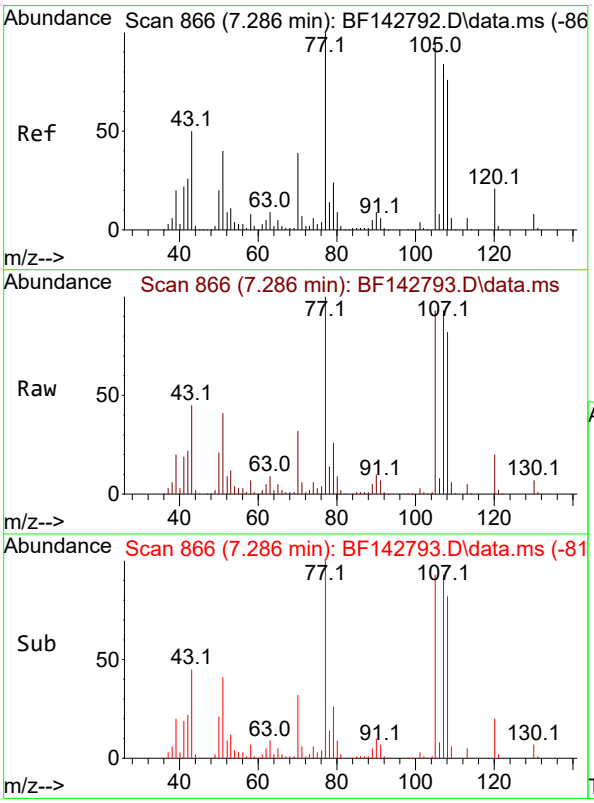

#19
n-Nitroso-di-n-propylamine
Concen: 48.753 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 70 Resp: 147905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 63.2 | 52.1 | 78.1 |
| 101 | 10.4 | 8.2 | 12.2 |
| 130 | 23.8 | 18.2 | 27.2 |

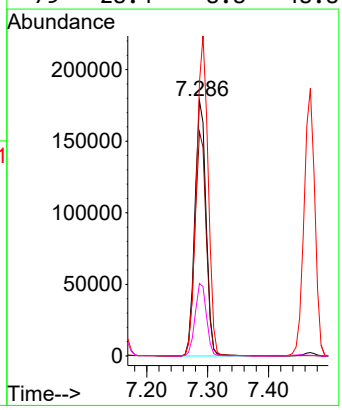


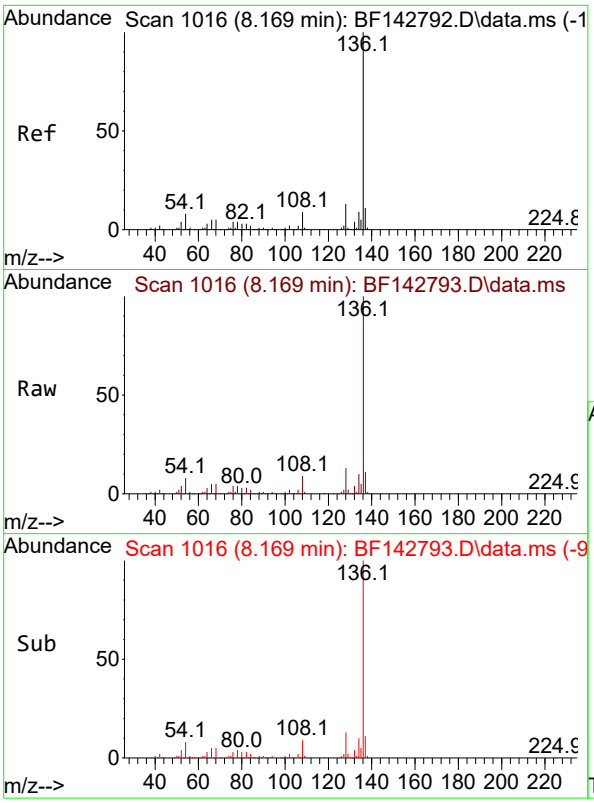




#20
3+4-Methylphenols
Concen: 53.390 ng
RT: 7.286 min Scan# 866
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:107 Resp: 229169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 87.9 | 70.0 | 110.0 |
| 77 | 107.3 | 98.5 | 138.5 |
| 79 | 28.4 | 8.8 | 48.8 |



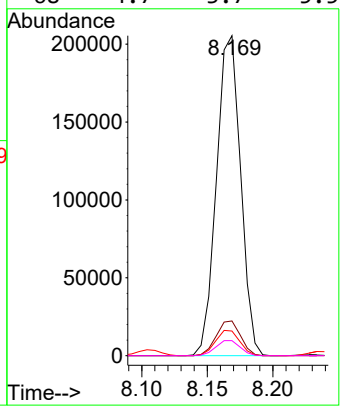


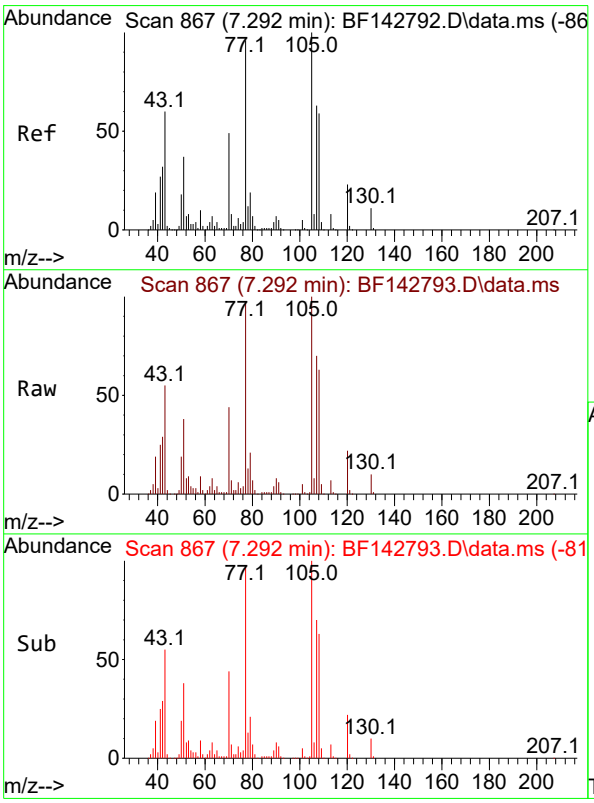

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:136 Resp: 262911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.4 | 12.6 |
| 54 | 7.7 | 6.3 | 9.5 |
| 68 | 4.7 | 3.7 | 5.5 |

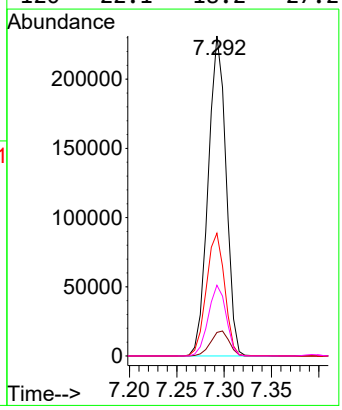


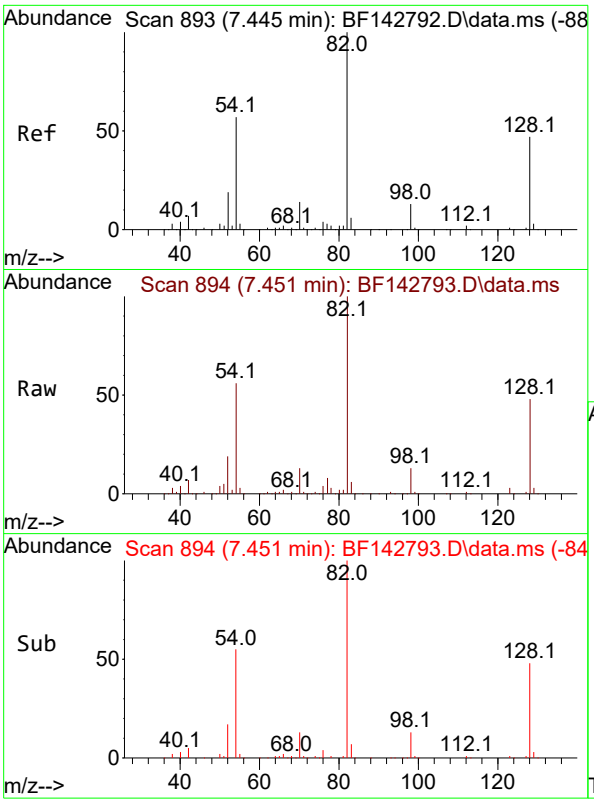




#22
Acetophenone
Concen: 52.102 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:105 Resp: 303087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.4 | 6.5 | 9.7 |
| 51 | 38.4 | 29.8 | 44.8 |
| 120 | 22.1 | 18.2 | 27.2 |



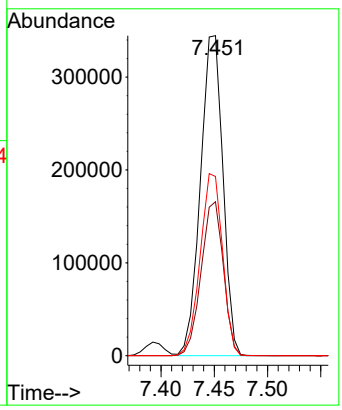


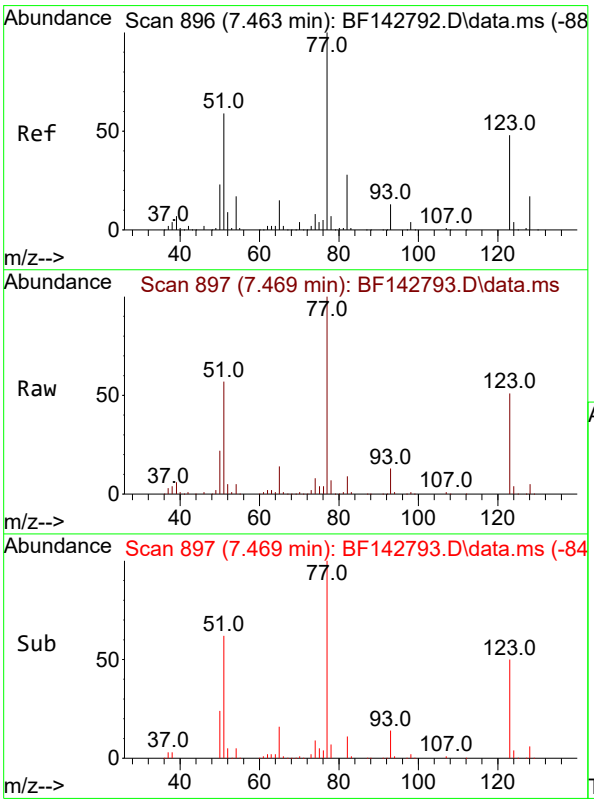

#23
Nitrobenzene-d5
Concen: 105.669 ng
RT: 7.451 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 82 Resp: 506846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.1 | 37.7 | 56.5 |
| 54 | 56.0 | 45.7 | 68.5 |

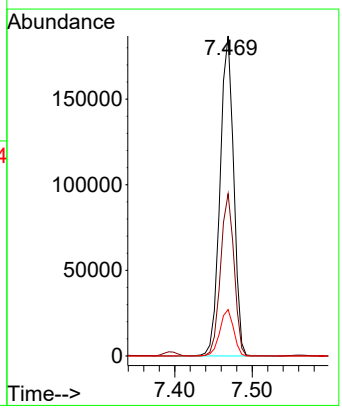


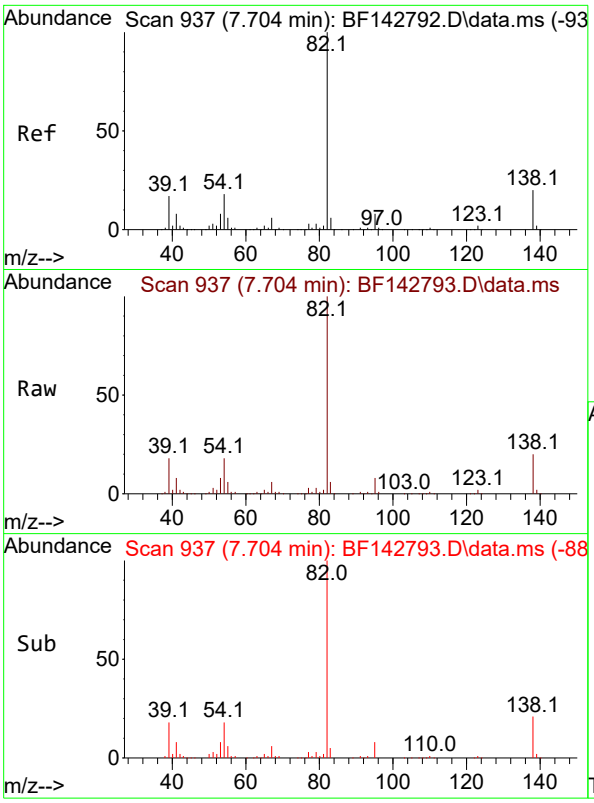




#24
Nitrobenzene
Concen: 53.773 ng
RT: 7.469 min Scan# 897
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 77 Resp: 229219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 50.7 | 39.2 | 58.8 |
| 65 | 14.5 | 11.6 | 17.4 |



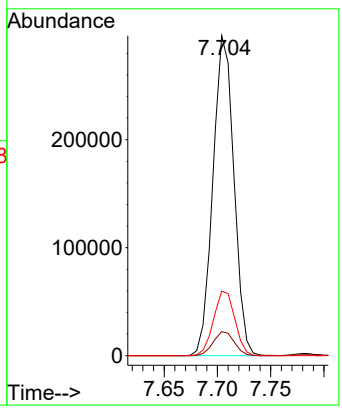


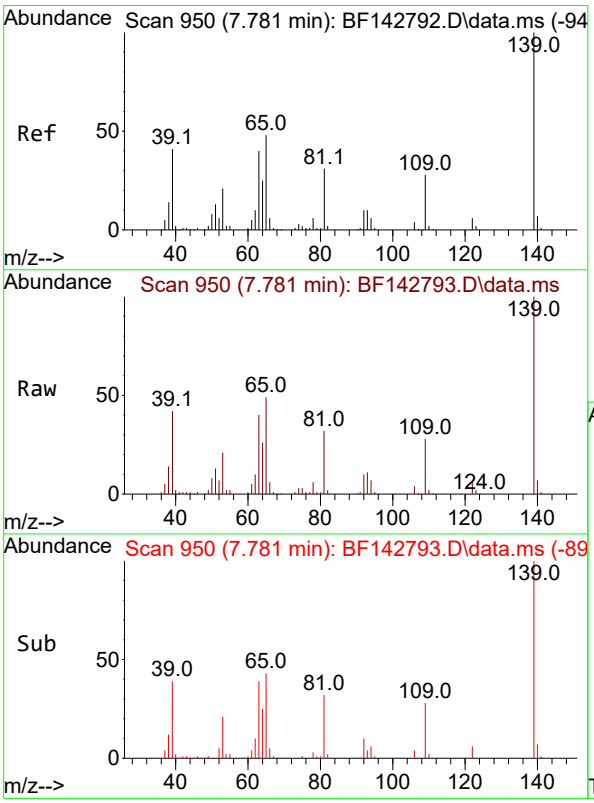

#25
Isophorone
Concen: 50.334 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 82 Resp: 404886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.5 | 6.2 | 9.2 |
| 138 | 20.2 | 16.2 | 24.4 |

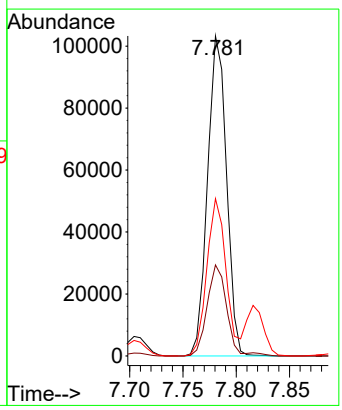


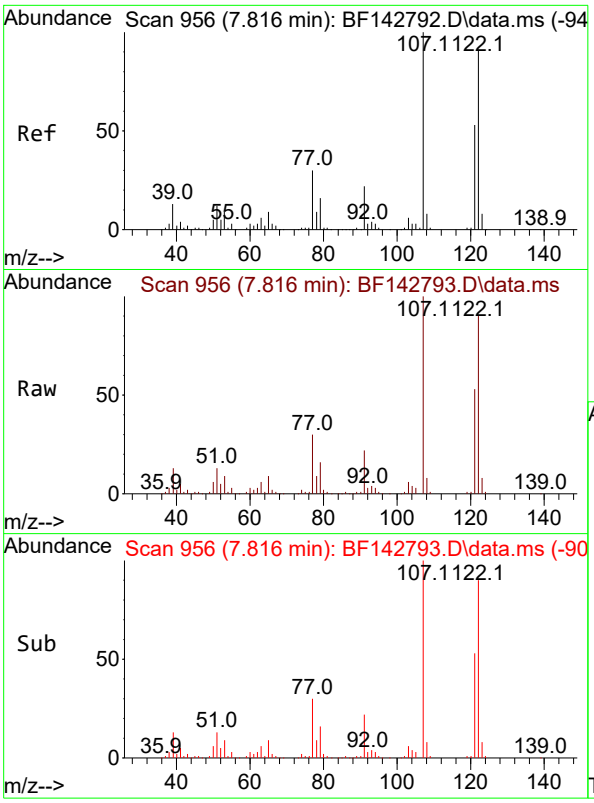




#26
2-Nitrophenol
Concen: 53.795 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:139 Resp: 127773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 28.5 | 22.7 | 34.1 |
| 65 | 49.1 | 38.6 | 58.0 |



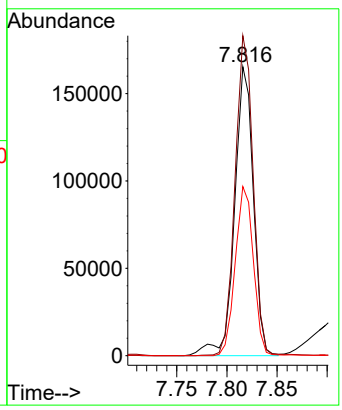


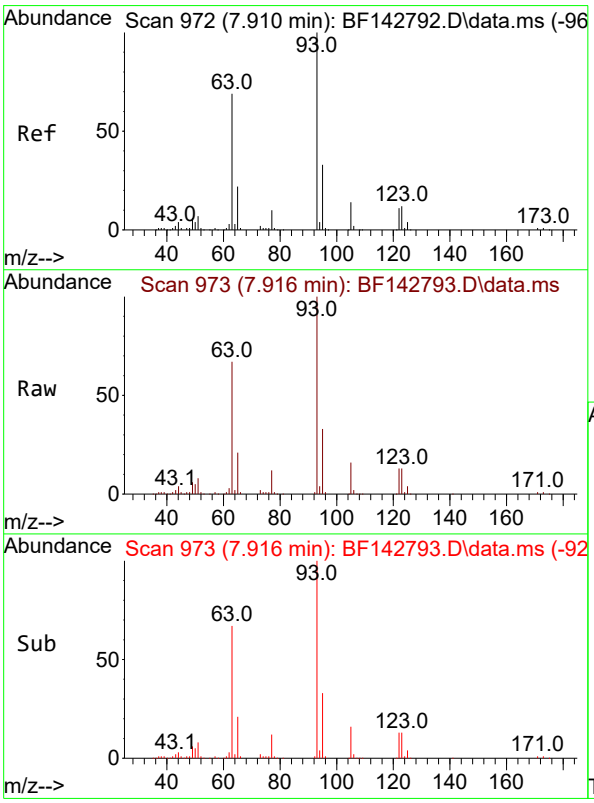

#27
2,4-Dimethylphenol
Concen: 53.466 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:122 Resp: 216204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 110.8 | 88.0 | 132.0 |
| 121 | 58.5 | 46.3 | 69.5 |

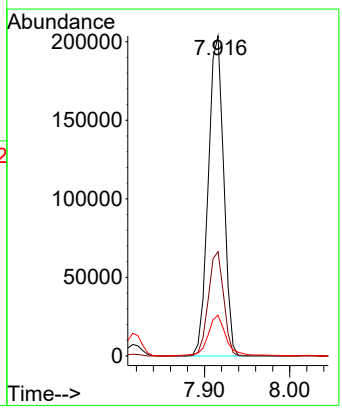


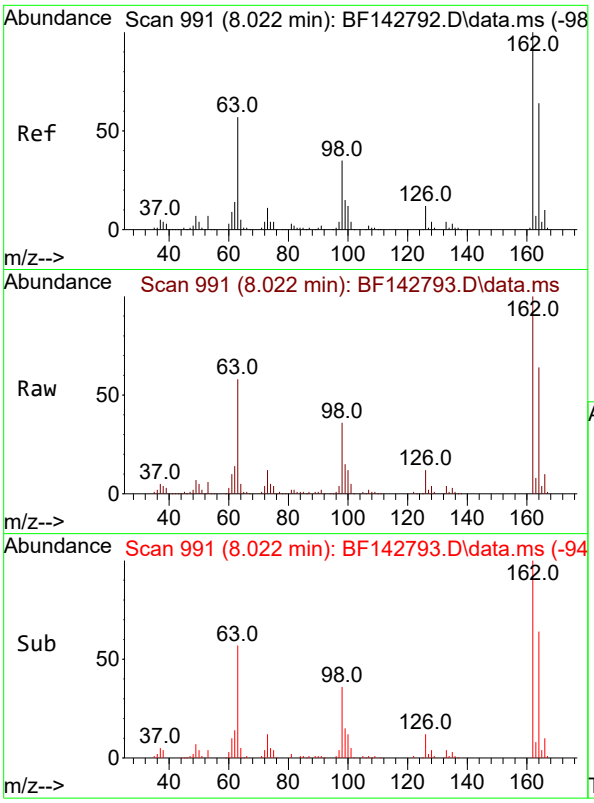




#28
bis(2-Chloroethoxy)methane
Concen: 51.148 ng
RT: 7.916 min Scan# 973
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 93 Resp: 256119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.6 | 26.2 | 39.2 |
| 123 | 12.7 | 9.9 | 14.9 |



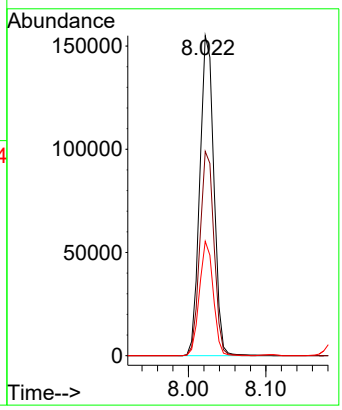


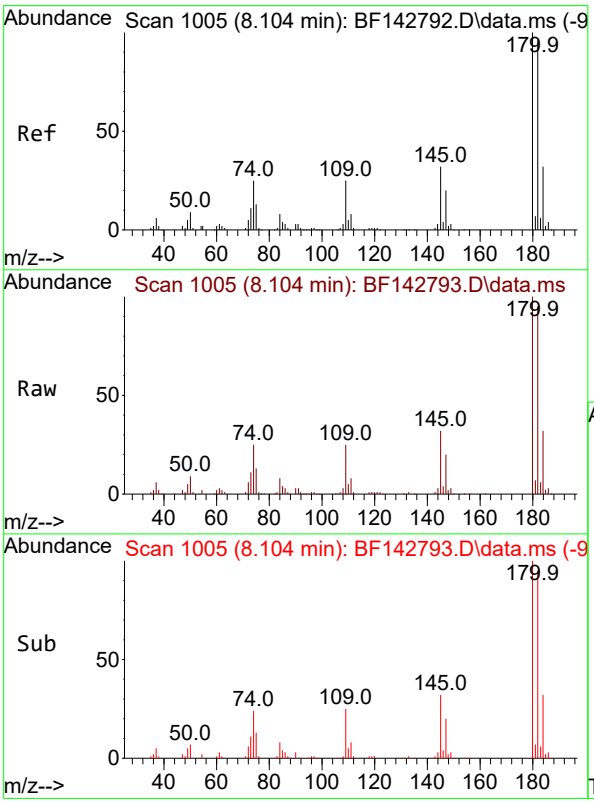

#29
2,4-Dichlorophenol
Concen: 52.478 ng
RT: 8.022 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:162 Resp: 195589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.8 | 44.0 | 84.0 |
| 98 | 35.8 | 15.4 | 55.4 |

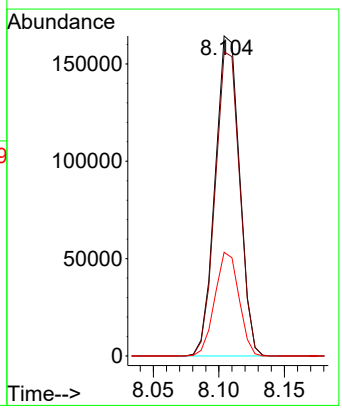


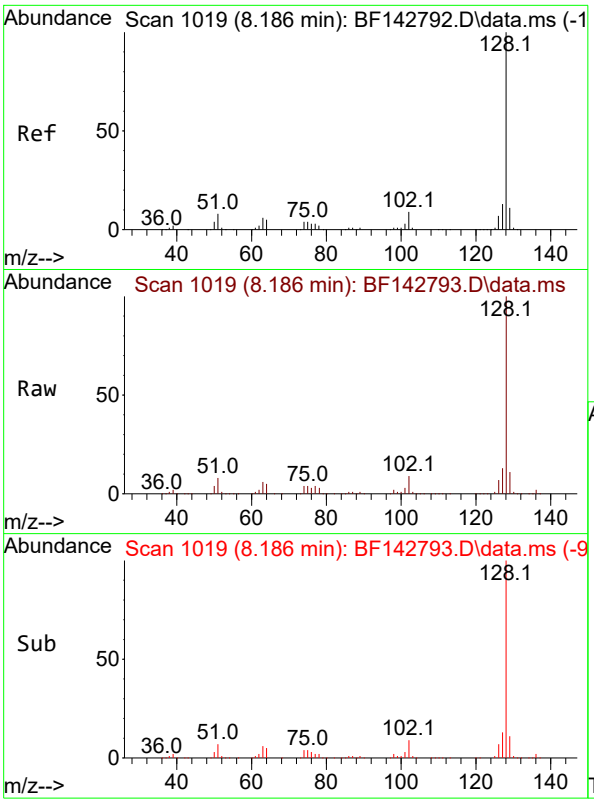




#30
1,2,4-Trichlorobenzene
Concen: 51.763 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:180 Resp: 213118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.1 | 76.4 | 114.6 |
| 145 | 32.4 | 25.8 | 38.8 |



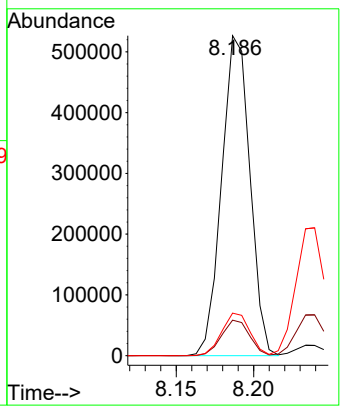


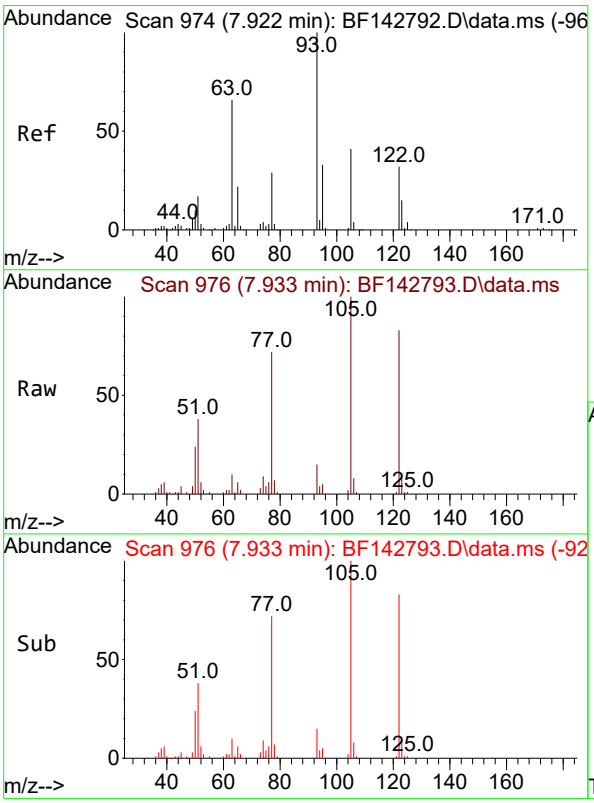

#31
Naphthalene
Concen: 51.717 ng
RT: 8.186 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:128 Resp: 668713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.9 | 13.3 |
| 127 | 13.3 | 10.4 | 15.6 |

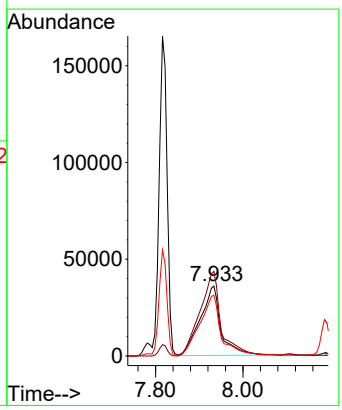


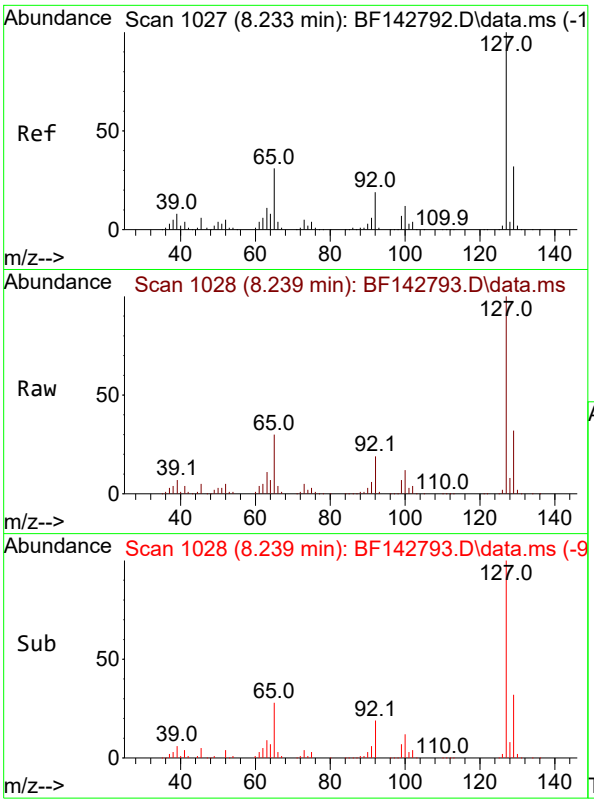




#32
Benzoic acid
Concen: 53.128 ng
RT: 7.933 min Scan# 976
Delta R.T. 0.012 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:122 Resp: 119196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 121.1 | 104.7 | 144.7 |
| 77 | 87.0 | 70.2 | 110.2 |



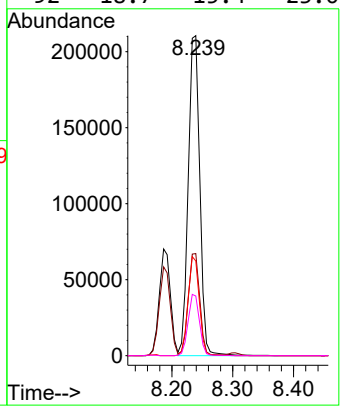


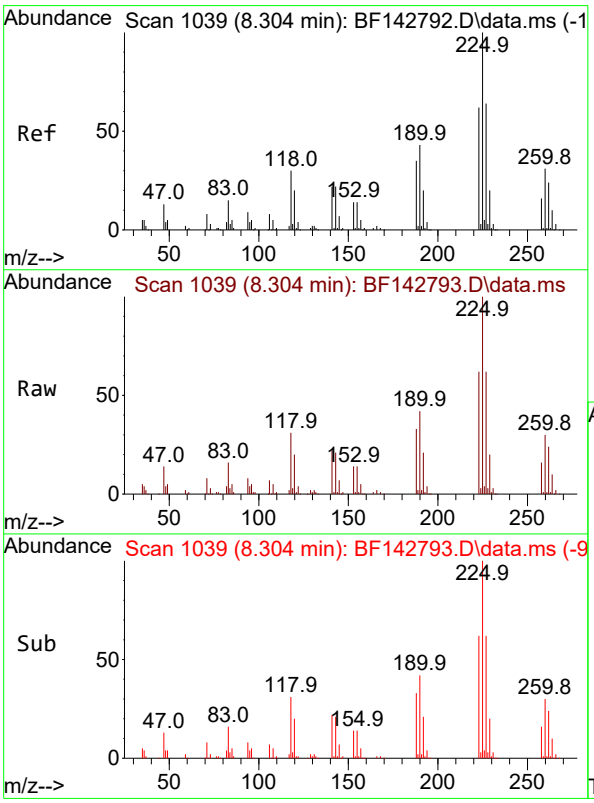

#33
4-Chloroaniline
Concen: 53.347 ng
RT: 8.239 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:127 Resp: 276441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.9 | 25.9 | 38.9 |
| 65 | 29.6 | 24.6 | 36.8 |
| 92 | 18.7 | 15.4 | 23.0 |

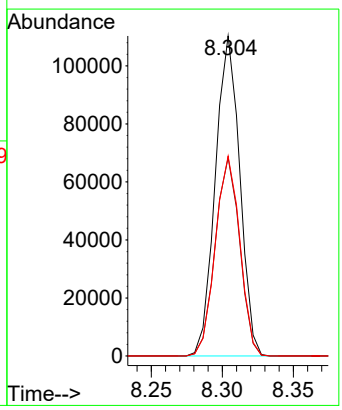


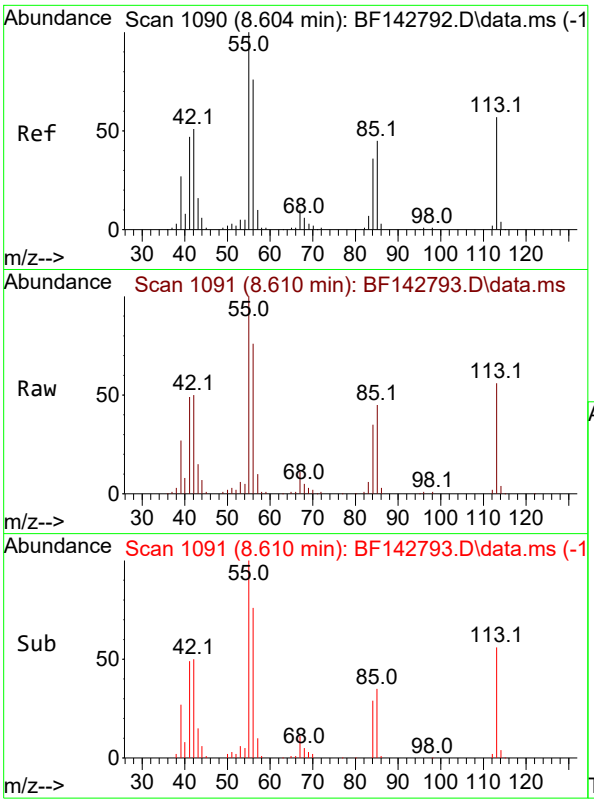




#34
Hexachlorobutadiene
Concen: 50.481 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:225 Resp: 131697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.0 | 49.9 | 74.9 |
| 227 | 62.4 | 51.4 | 77.0 |



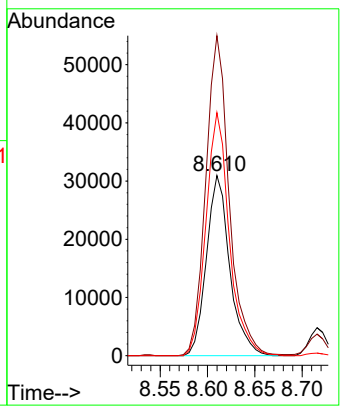


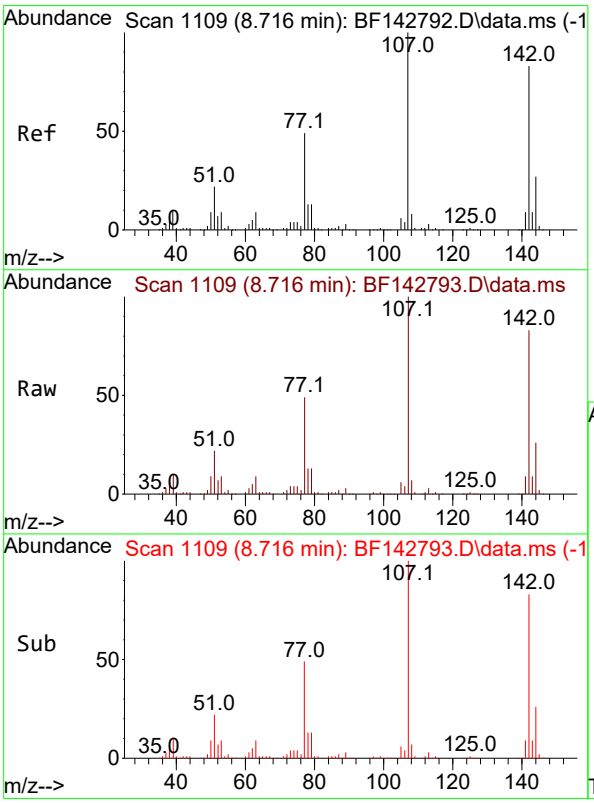

#35
Caprolactam
Concen: 52.873 ng
RT: 8.610 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:113 Resp: 53024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 177.6 | 154.4 | 194.4 |
| 56 | 134.9 | 112.1 | 152.1 |

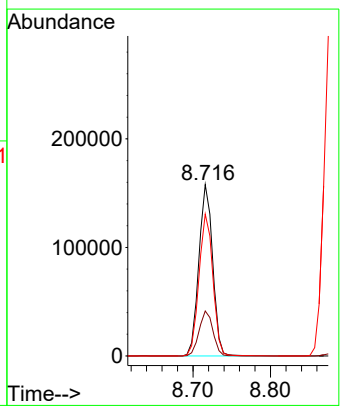


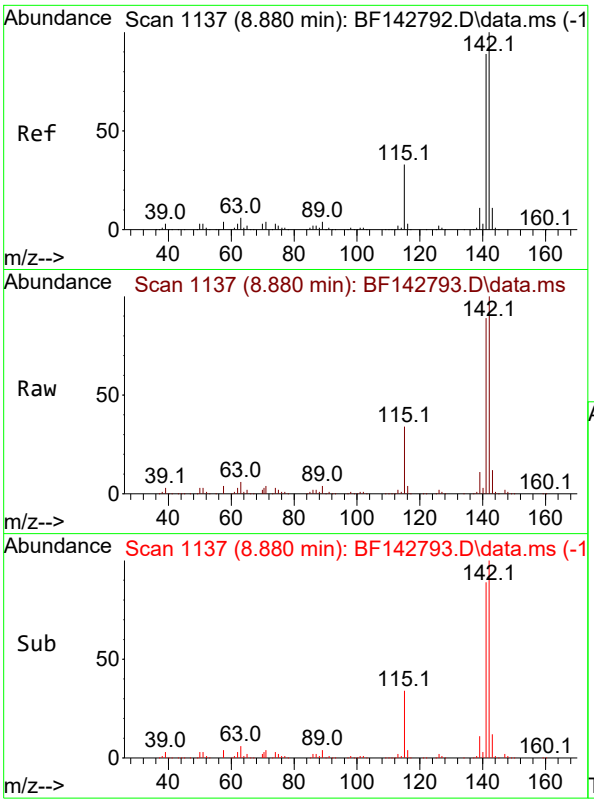




#36
4-Chloro-3-methylphenol
Concen: 50.843 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:107 Resp: 195744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.3 | 21.3 | 31.9 |
| 142 | 82.9 | 66.6 | 100.0 |



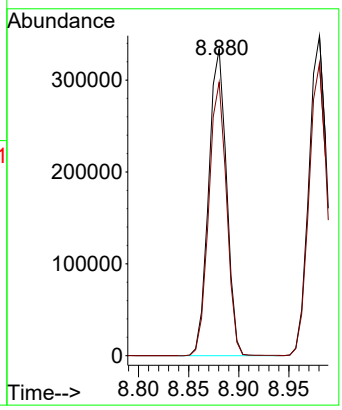


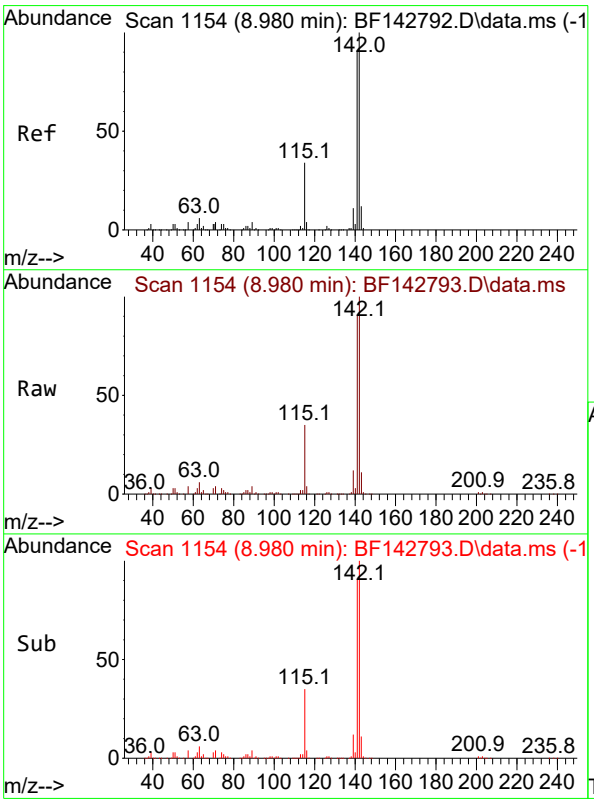

#37
2-Methylnaphthalene
Concen: 50.859 ng
RT: 8.880 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:142 Resp: 414854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.1 | 70.9 | 106.3 |

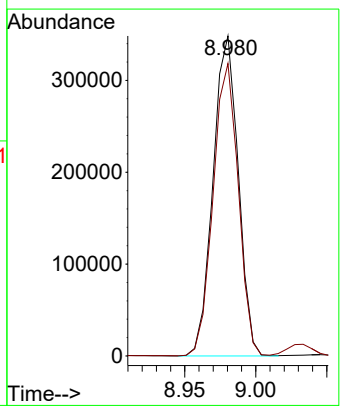


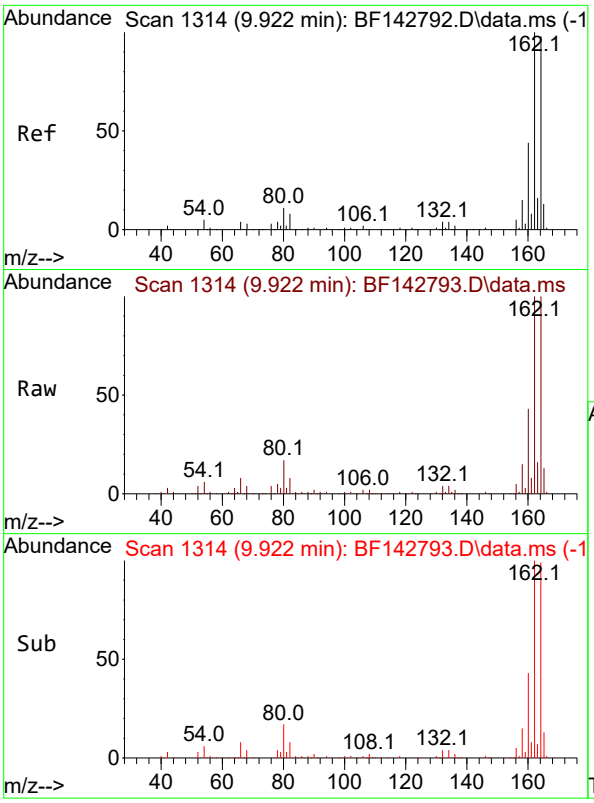




#38
1-Methylnaphthalene
Concen: 50.792 ng
RT: 8.980 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:142 Resp: 430144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.4 | 73.0 | 109.4 |



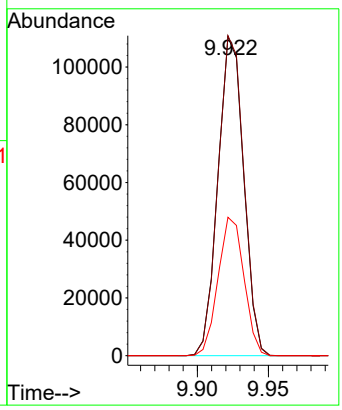


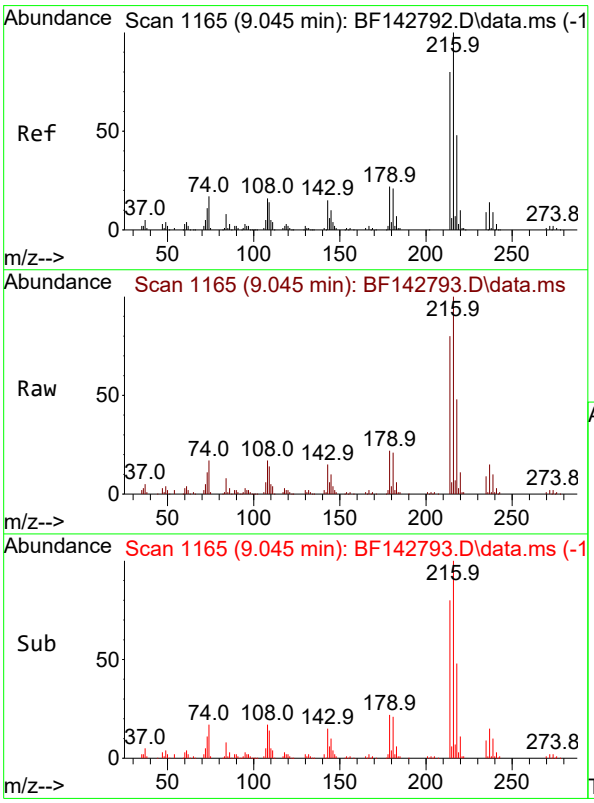

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:164 Resp: 139156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.3 | 81.8 | 122.8 |
| 160 | 43.4 | 36.0 | 54.0 |

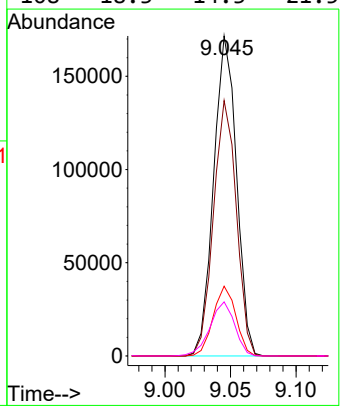


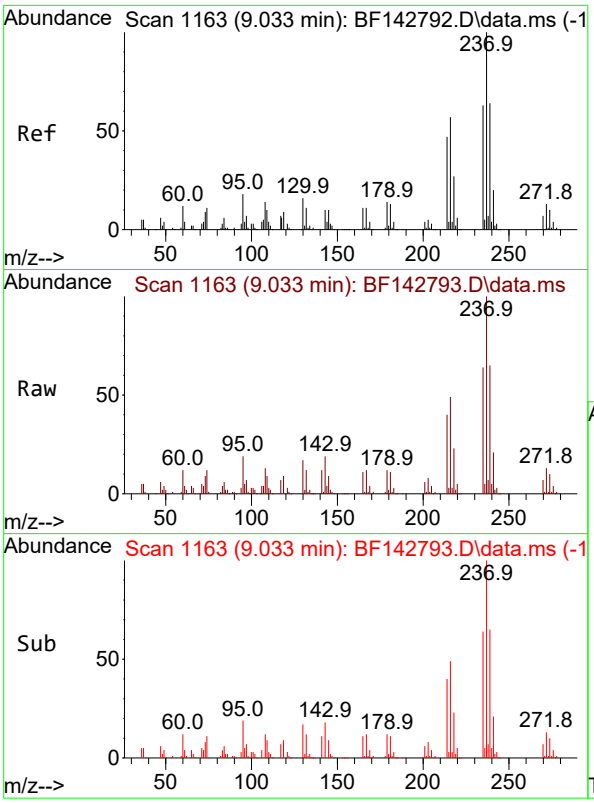




#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.779 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:216 Resp: 207997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.7 | 63.7 | 95.5 |
| 179 | 21.6 | 17.6 | 26.4 |
| 108 | 18.3 | 14.3 | 21.5 |



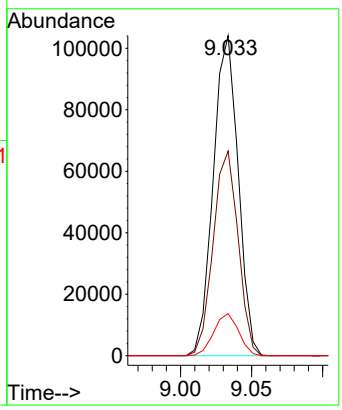


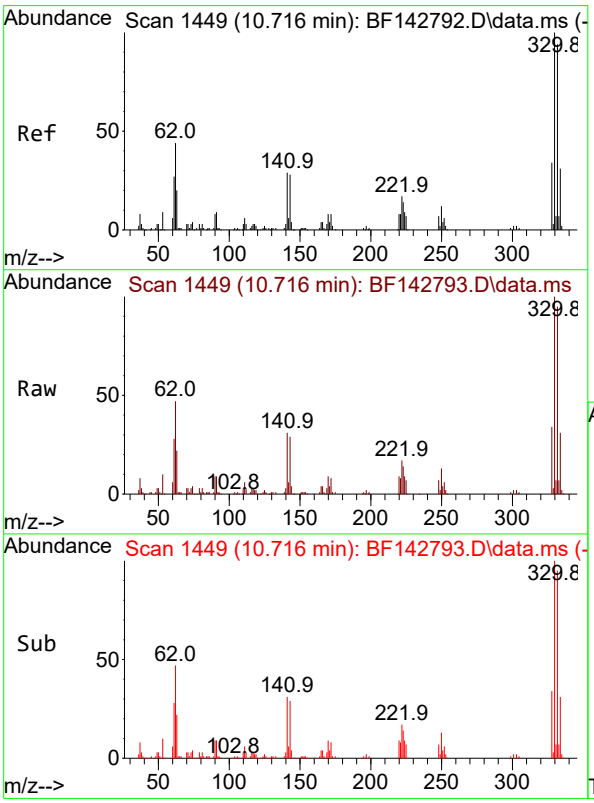

#41
Hexachlorocyclopentadiene
Concen: 50.012 ng
RT: 9.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:237 Resp: 127033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 64.0 | 43.4 | 83.4 |
| 272 | 13.2 | 0.0 | 32.7 |

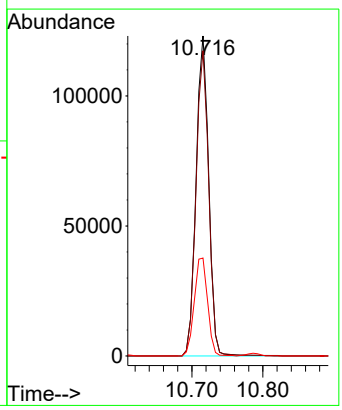


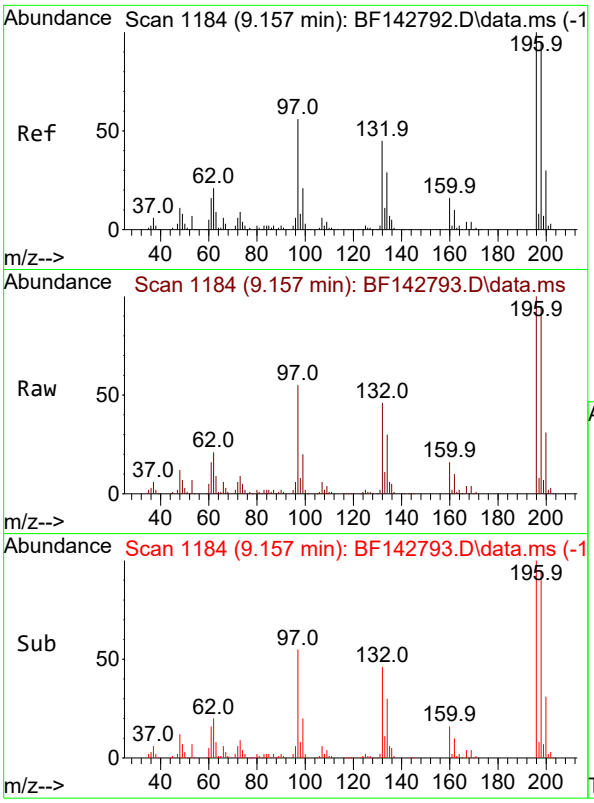




#42
2,4,6-Tribromophenol
Concen: 100.743 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:330 Resp: 152358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 75.0 | 112.6 |
| 141 | 32.3 | 25.3 | 37.9 |



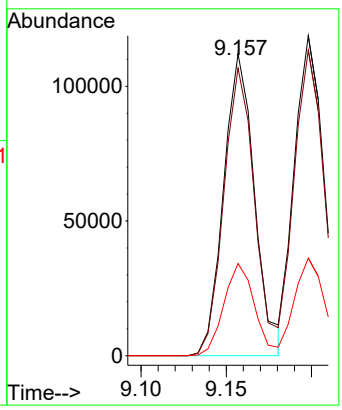


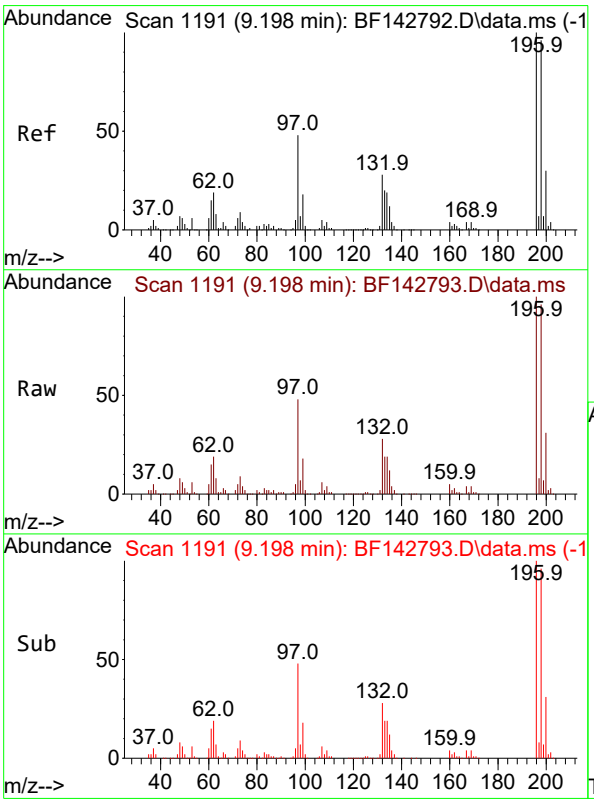

#43
2,4,6-Trichlorophenol
Concen: 54.597 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:196 Resp: 141932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.2 | 76.2 | 114.2 |
| 200 | 30.5 | 24.1 | 36.1 |

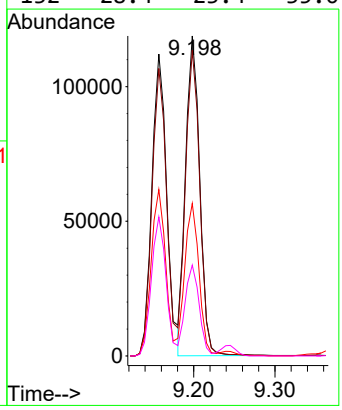


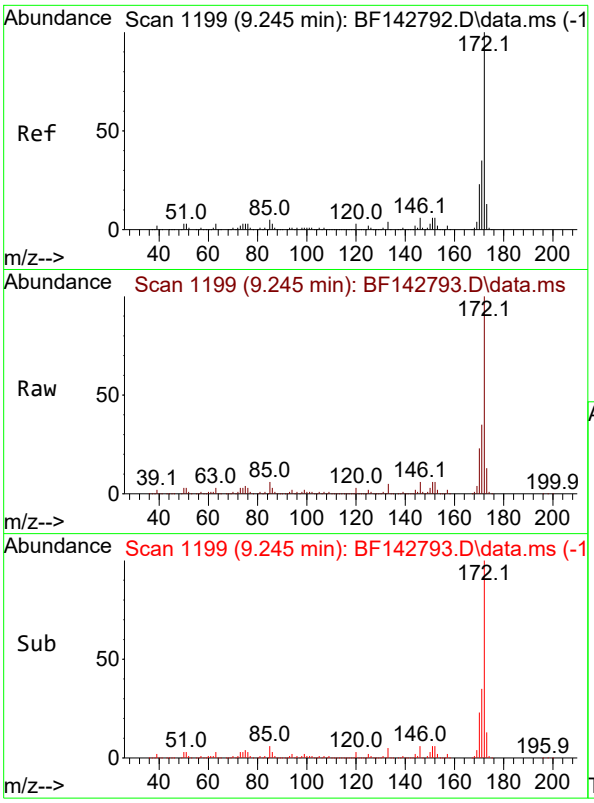




#44
2,4,5-Trichlorophenol
Concen: 51.550 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:196 Resp: 144717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.5 | 76.6 | 115.0 |
| 97 | 47.7 | 38.2 | 57.2 |
| 132 | 28.4 | 23.4 | 35.0 |



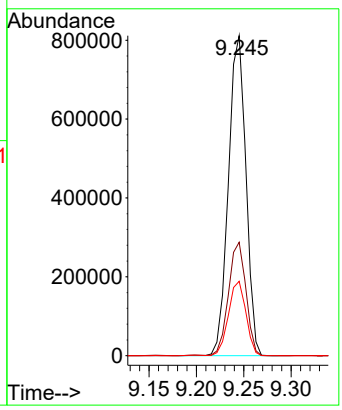


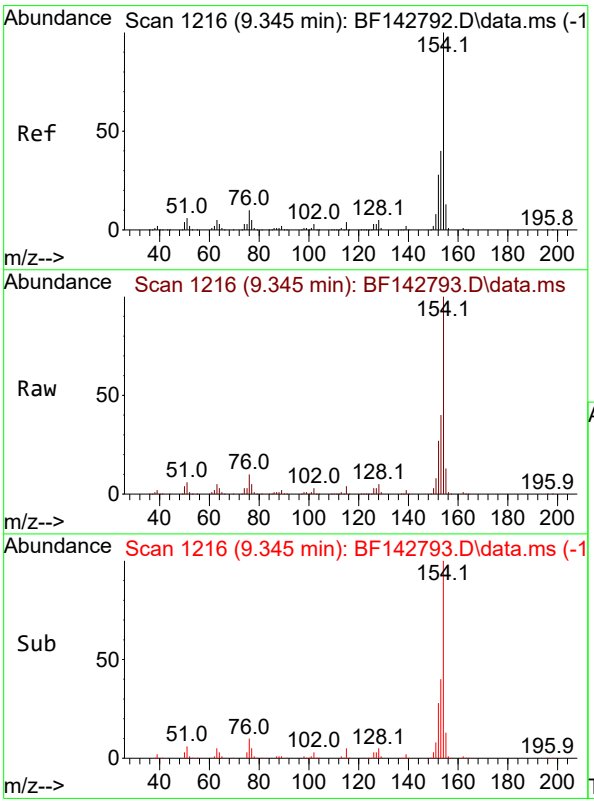

#45
2-Fluorobiphenyl
Concen: 99.755 ng
RT: 9.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:172 Resp: 1043477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 28.2 | 42.4 |
| 170 | 23.3 | 18.5 | 27.7 |

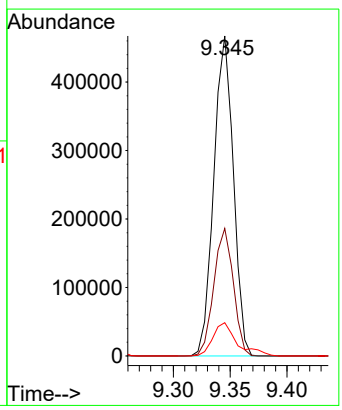


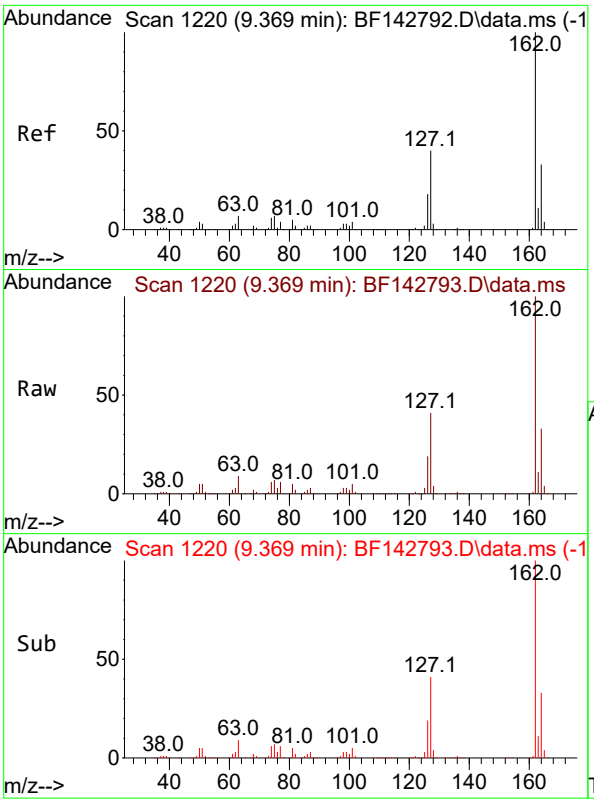




#46
1,1'-Biphenyl
Concen: 51.807 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:154 Resp: 559765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.8 | 20.3 | 60.3 |
| 76 | 10.4 | 0.0 | 30.3 |



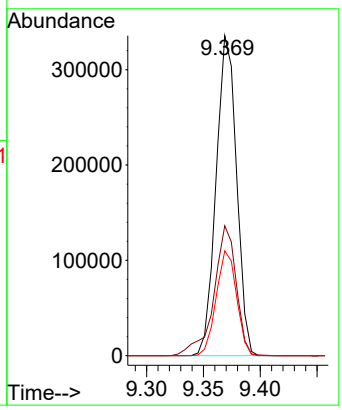


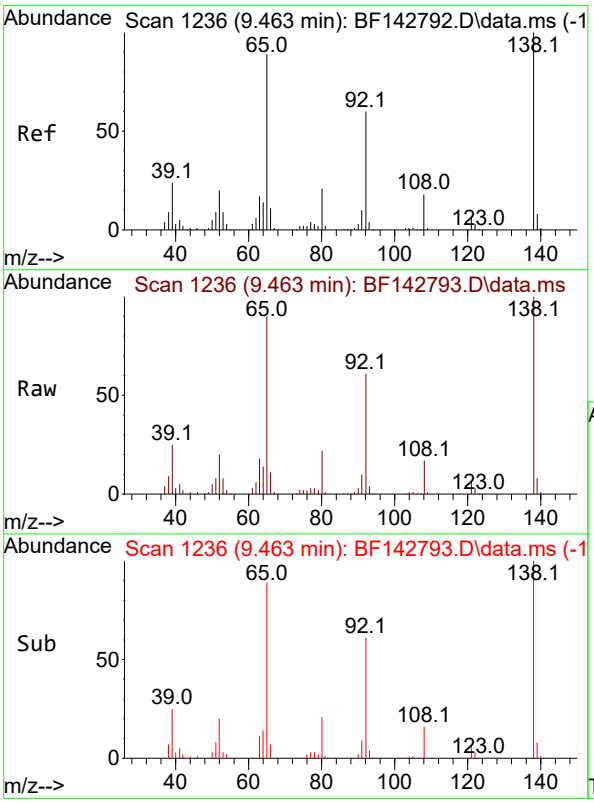

#47
2-Chloronaphthalene
Concen: 52.754 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:162 Resp: 420603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 40.6 | 32.2 | 48.2 |
| 164 | 32.7 | 26.1 | 39.1 |

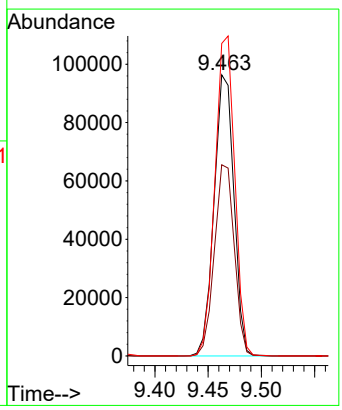


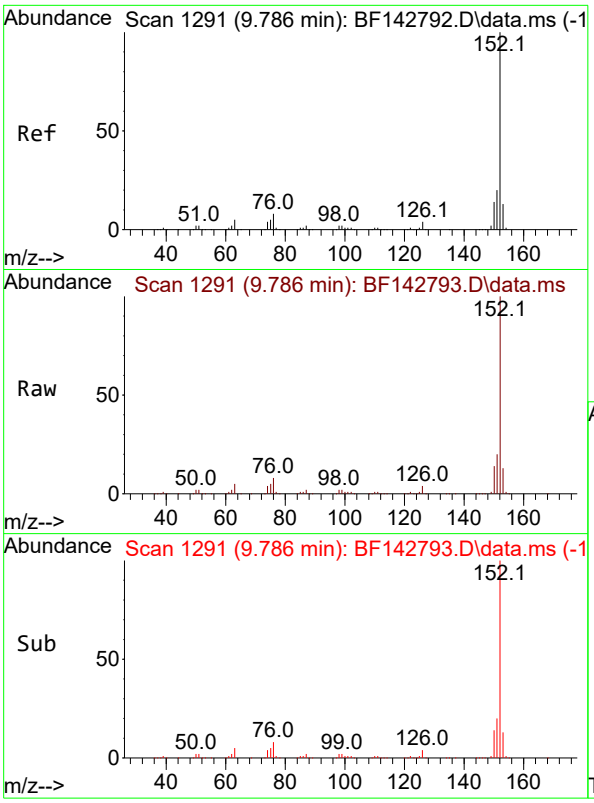




#48
2-Nitroaniline
Concen: 54.955 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 65 Resp: 124478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 68.0 | 53.8 | 80.6 |
| 138 | 111.1 | 89.6 | 134.4 |



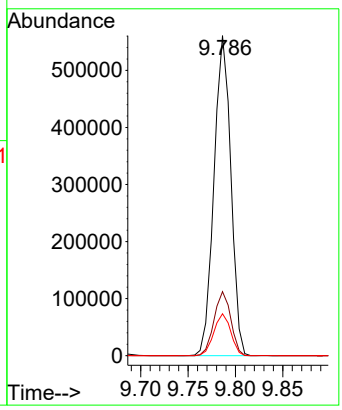


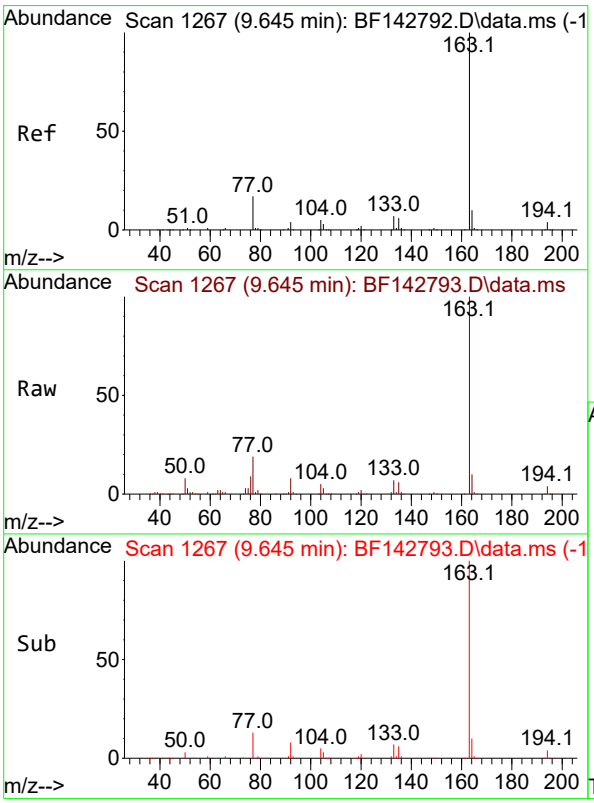

#49
Acenaphthylene
Concen: 51.783 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:152 Resp: 694098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 16.1 | 24.1 |
| 153 | 13.1 | 10.4 | 15.6 |

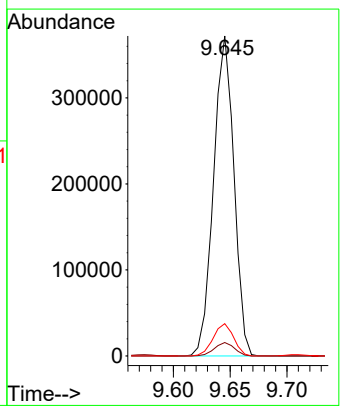


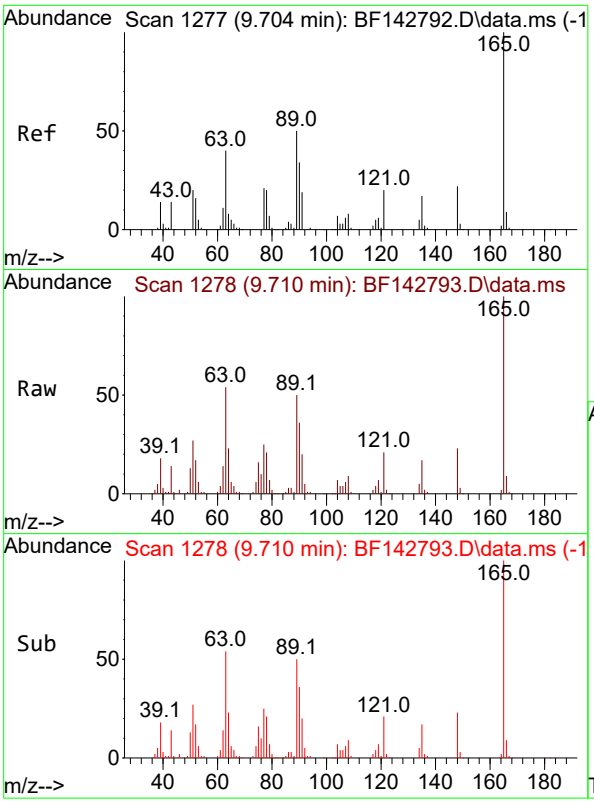




#50
Dimethylphthalate
Concen: 50.308 ng
RT: 9.645 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:163 Resp: 464372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.3 | 4.9 |
| 164 | 10.1 | 8.0 | 12.0 |



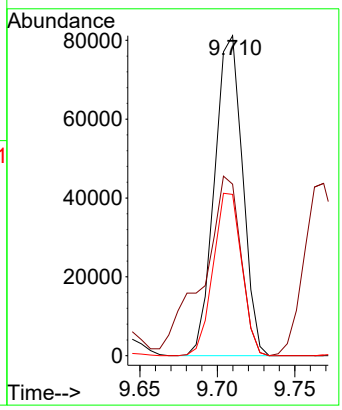


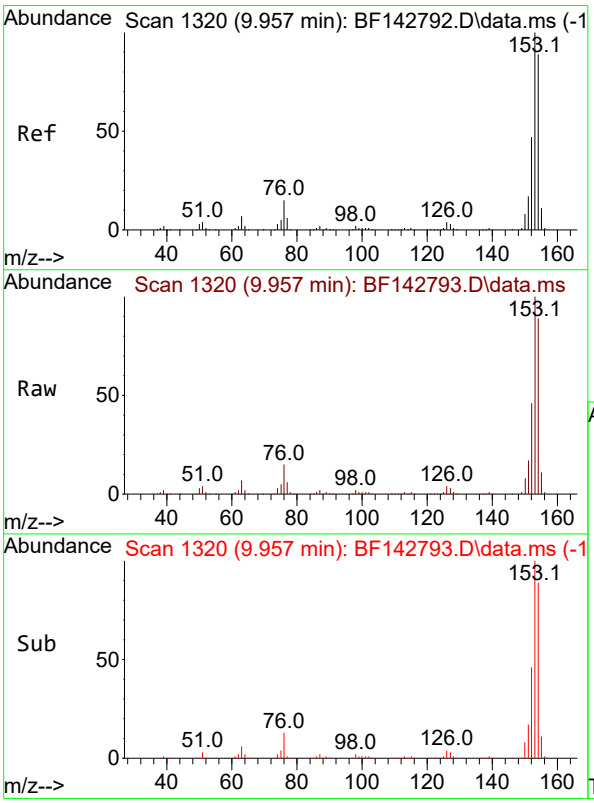

#51
2,6-Dinitrotoluene
Concen: 51.156 ng
RT: 9.710 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:165 Resp: 102361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.6 | 44.2 | 66.4 |
| 89 | 50.4 | 39.8 | 59.8 |

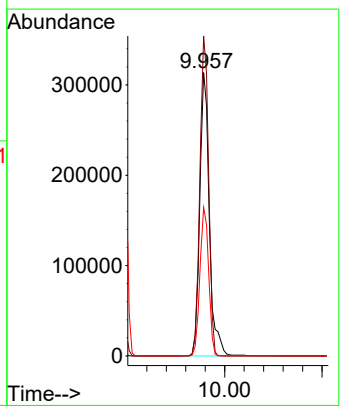


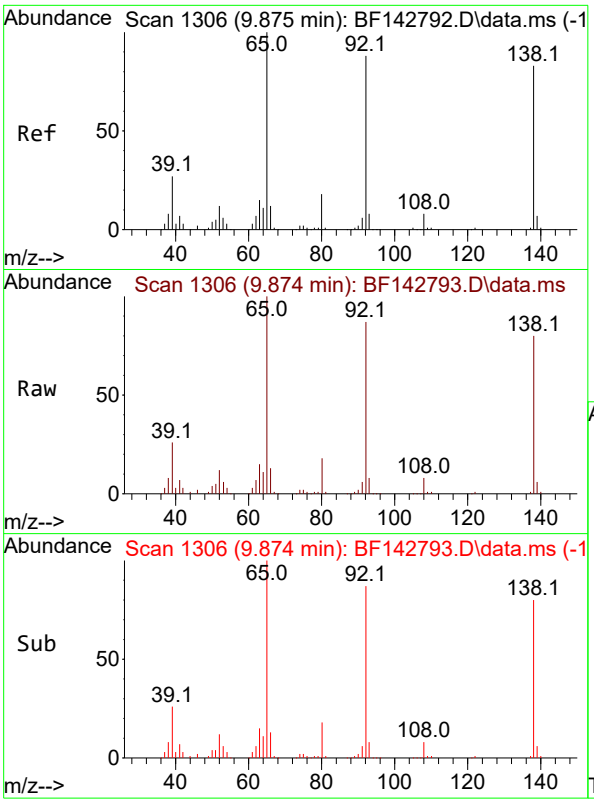




#52
Acenaphthene
Concen: 51.498 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:154 Resp: 427135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.9 | 90.0 | 135.0 |
| 152 | 52.4 | 41.9 | 62.9 |



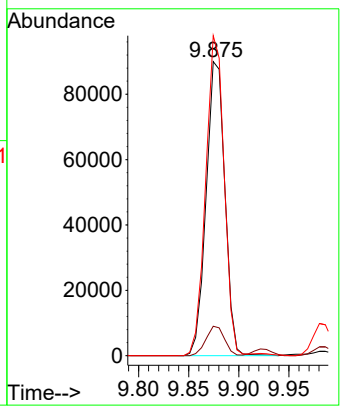


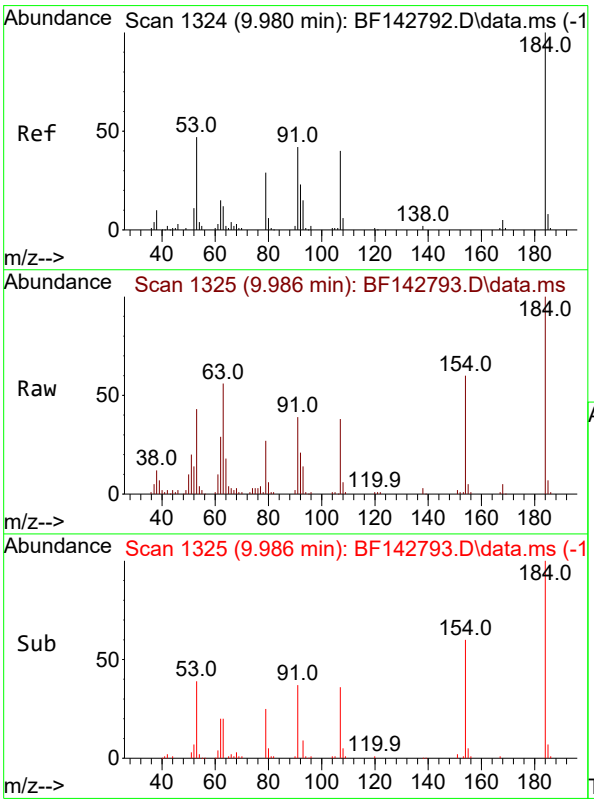

#53
3-Nitroaniline
Concen: 54.038 ng
RT: 9.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:138 Resp: 117448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.0 | 8.1 | 12.1 |
| 92 | 108.8 | 85.1 | 127.7 |

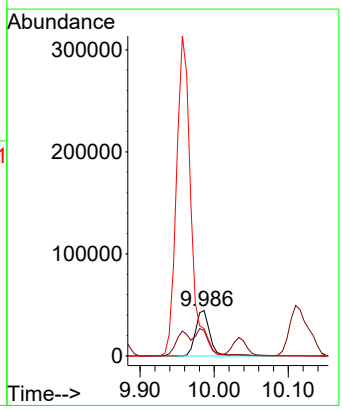


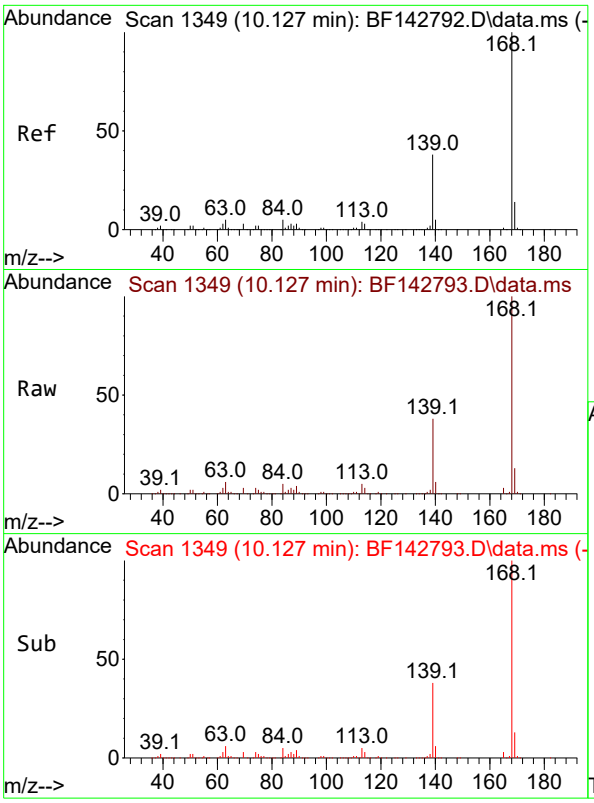




#54
2,4-Dinitrophenol
Concen: 55.696 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:184 Resp: 60308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 56.0 | 50.6 | 75.8 |
| 154 | 59.9 | 51.8 | 77.8 |



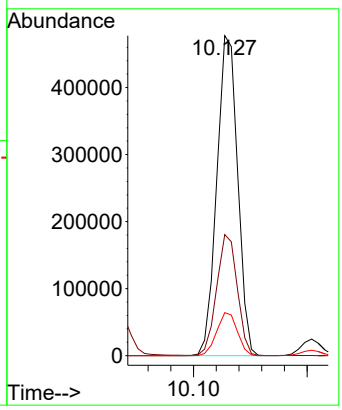


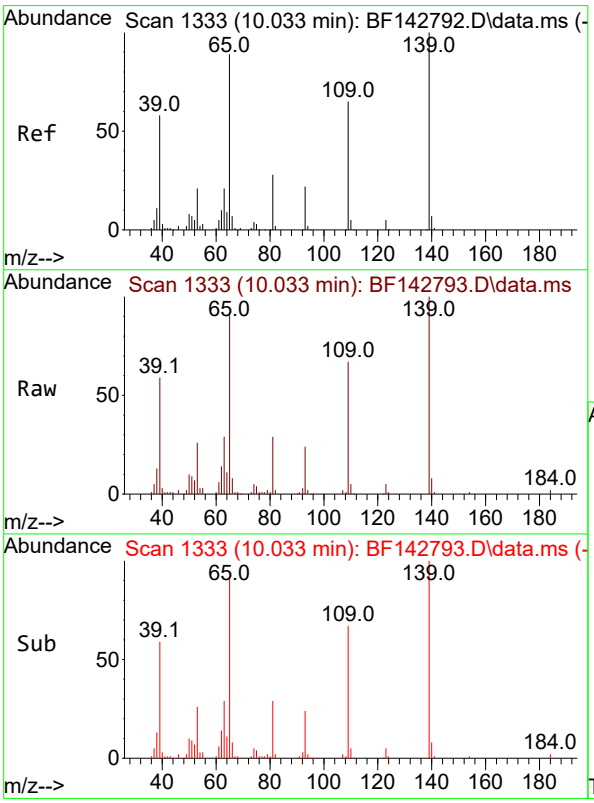

#55
Dibenzofuran
Concen: 51.506 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:168 Resp: 609507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.9 | 30.2 | 45.4 |
| 169 | 13.4 | 10.8 | 16.2 |

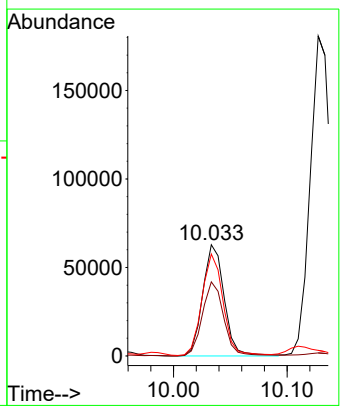


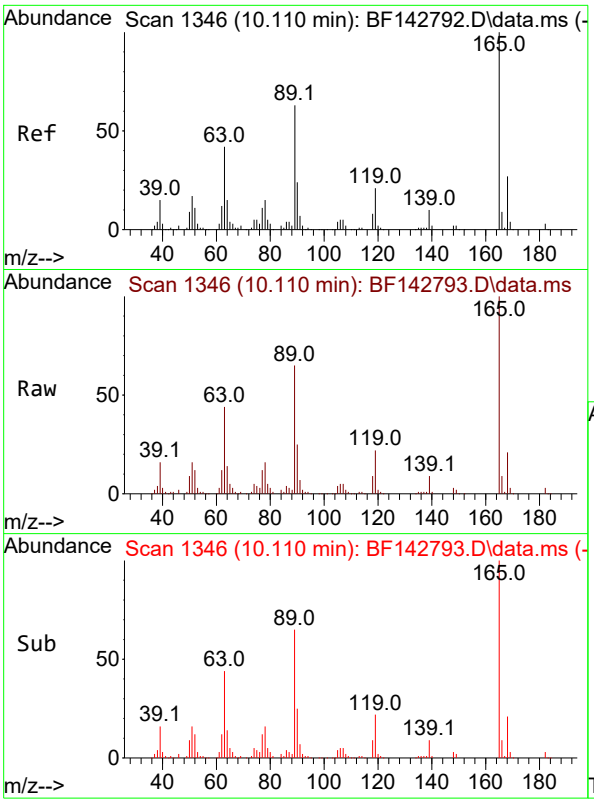




#56
4-Nitrophenol
Concen: 56.047 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:139 Resp: 82688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 66.5 | 44.7 | 84.7 |
| 65 | 91.6 | 69.8 | 109.8 |



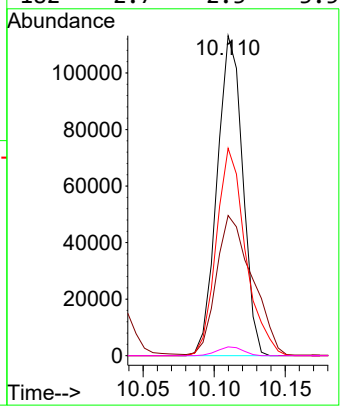


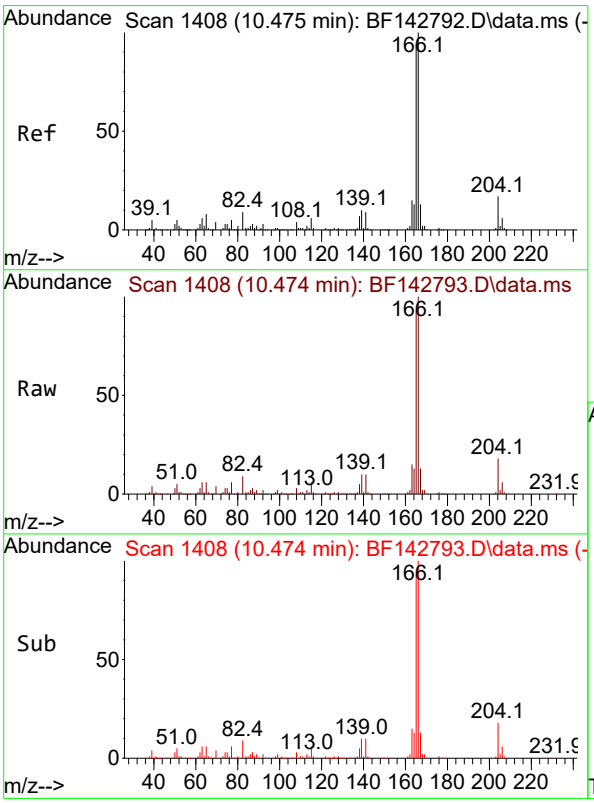

#57
2,4-Dinitrotoluene
Concen: 53.554 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:165 Resp: 141691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 43.8 | 33.9 | 50.9 |
| 89 | 64.8 | 50.6 | 75.8 |
| 182 | 2.7 | 2.3 | 3.5 |

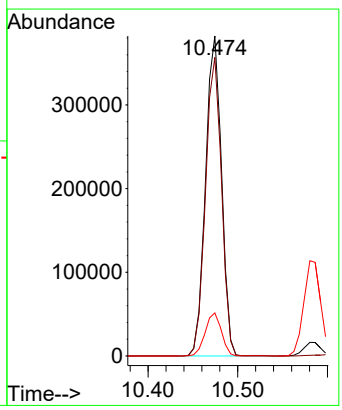


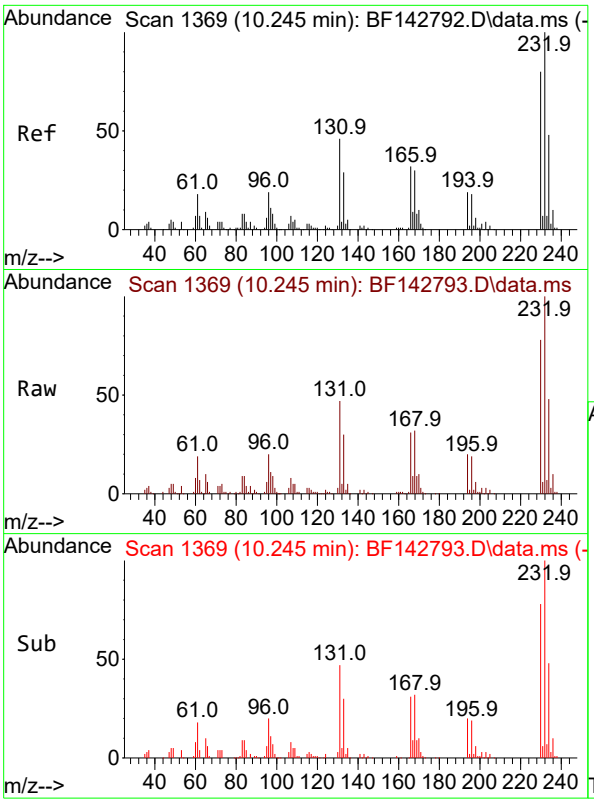




#58
Fluorene
Concen: 50.747 ng
RT: 10.474 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:166 Resp: 473968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.3 | 75.2 | 112.8 |
| 167 | 13.5 | 10.6 | 15.8 |



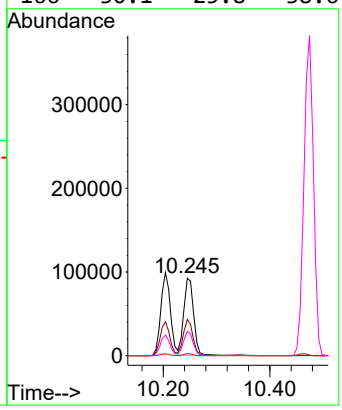


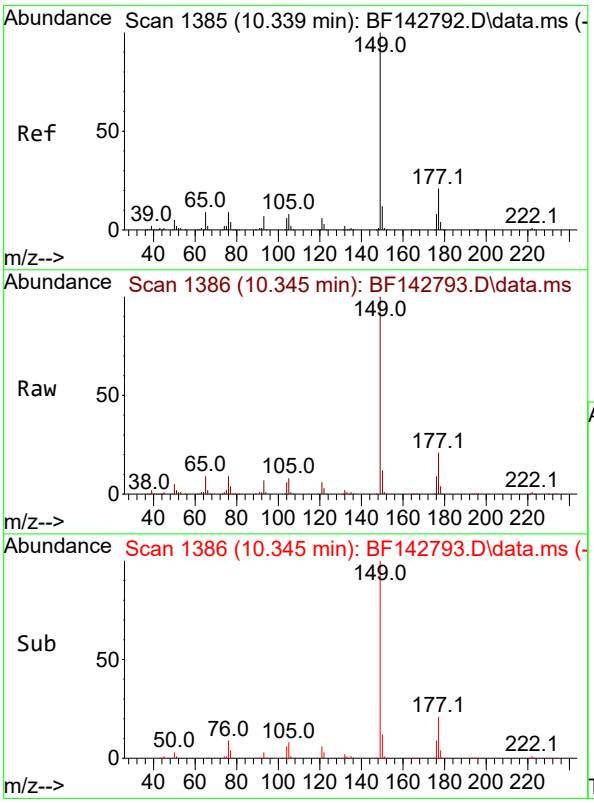

#59
2,3,4,6-Tetrachlorophenol
Concen: 50.988 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:232 Resp: 120008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.8 | 37.6 | 56.4 |
| 130 | 2.3 | 1.7 | 2.5 |
| 166 | 30.1 | 25.8 | 38.6 |

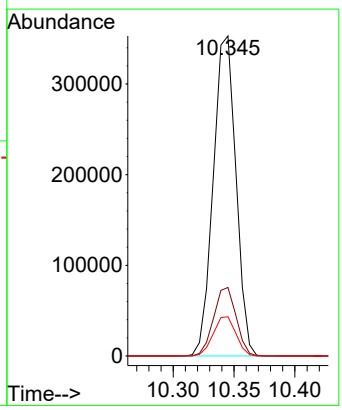


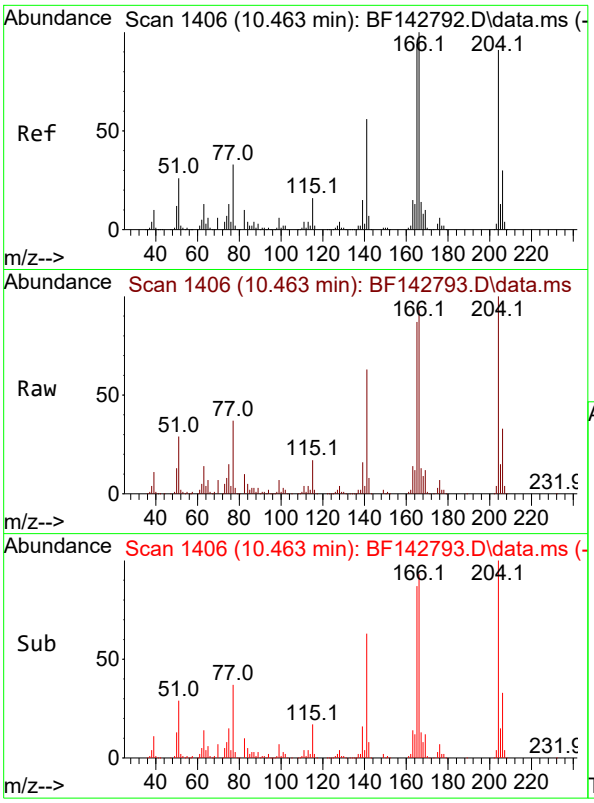




#60
Diethylphthalate
Concen: 50.010 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:149 Resp: 458546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.4 | 17.0 | 25.6 |
| 150 | 12.3 | 9.8 | 14.6 |



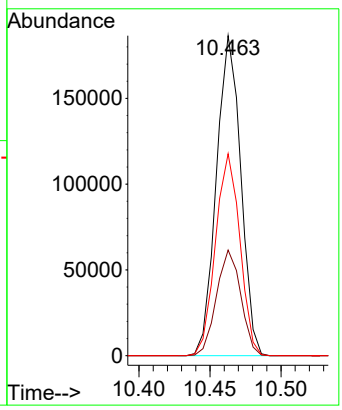


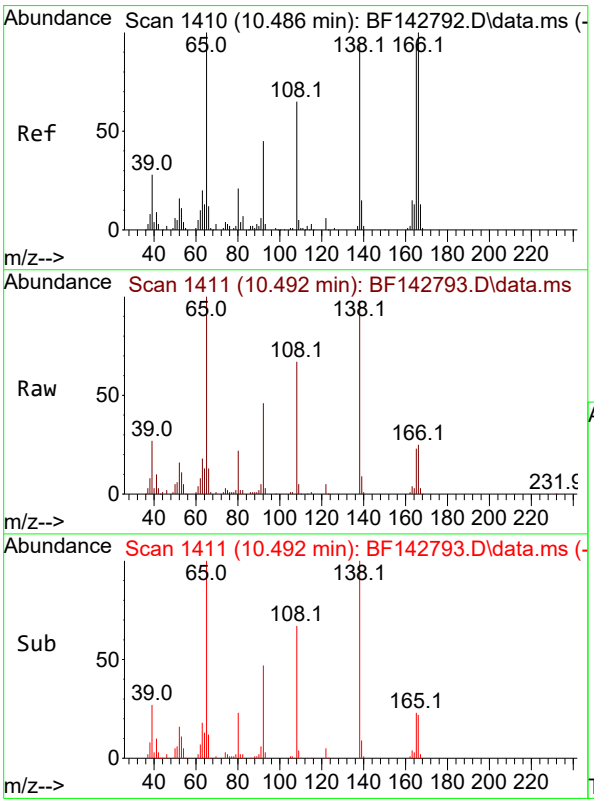

#61
4-Chlorophenyl-phenylether
Concen: 49.076 ng
RT: 10.463 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:204 Resp: 222613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.0 | 26.3 | 39.5 |
| 141 | 63.1 | 49.1 | 73.7 |

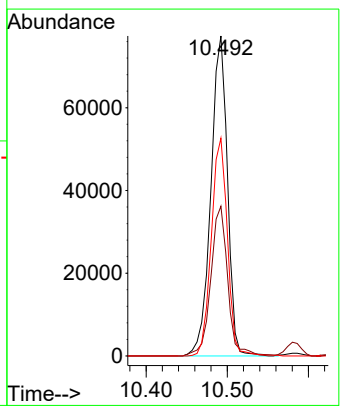


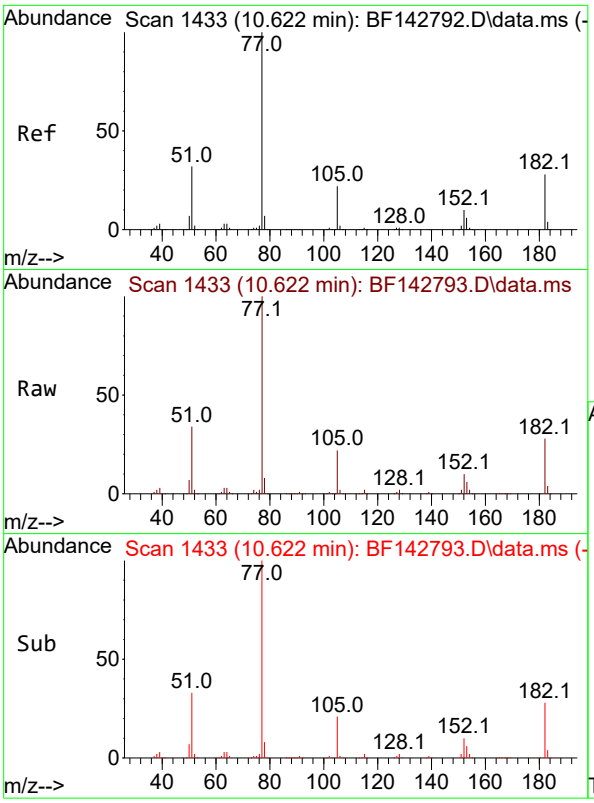




#62
4-Nitroaniline
Concen: 56.363 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:138 Resp: 109973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 46.8 | 28.4 | 68.4 |
| 108 | 68.1 | 50.2 | 90.2 |



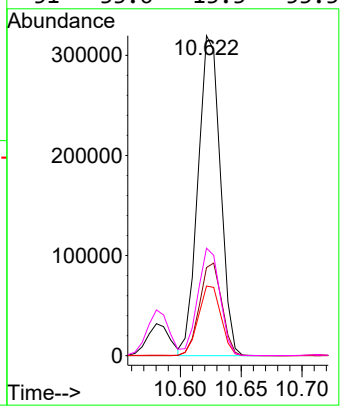


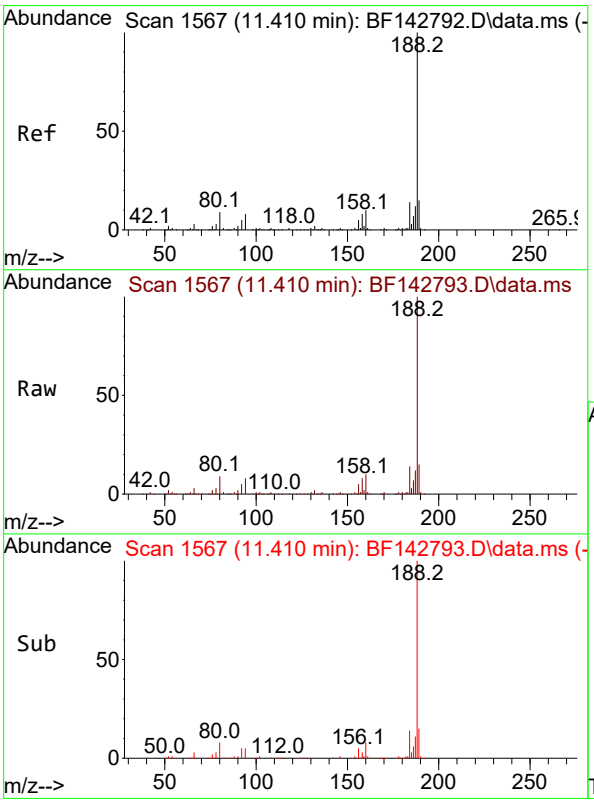

#63
Azobenzene
Concen: 51.063 ng
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 77 Resp: 409164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.5 | 7.7 | 47.7 |
| 105 | 21.8 | 1.9 | 41.9 |
| 51 | 33.6 | 13.3 | 53.3 |

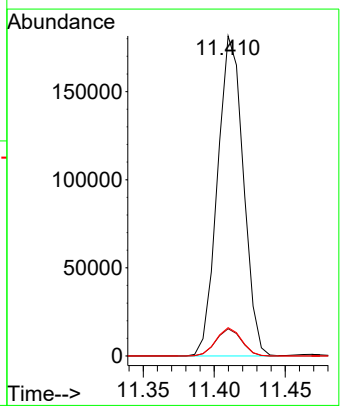


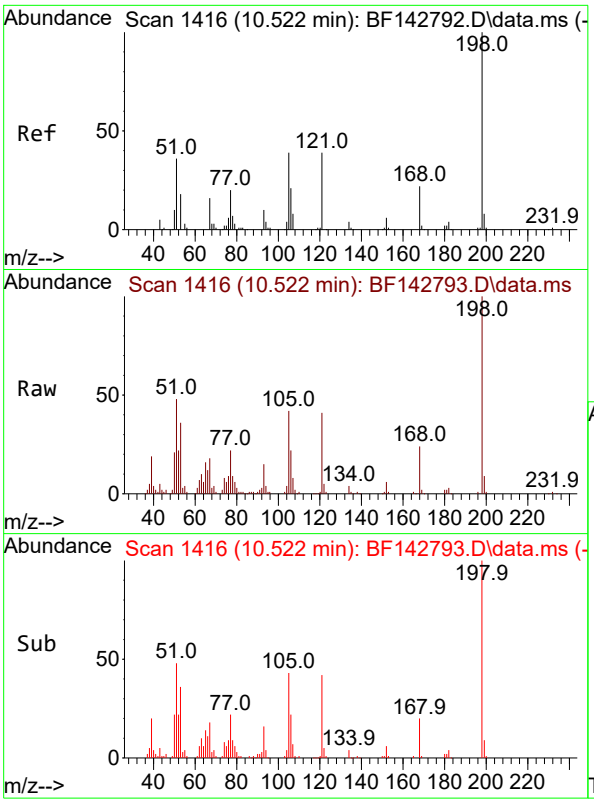




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:188 Resp: 229780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 6.7 | 10.1 |
| 80 | 8.9 | 6.9 | 10.3 |



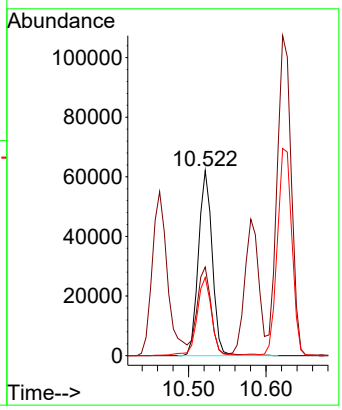


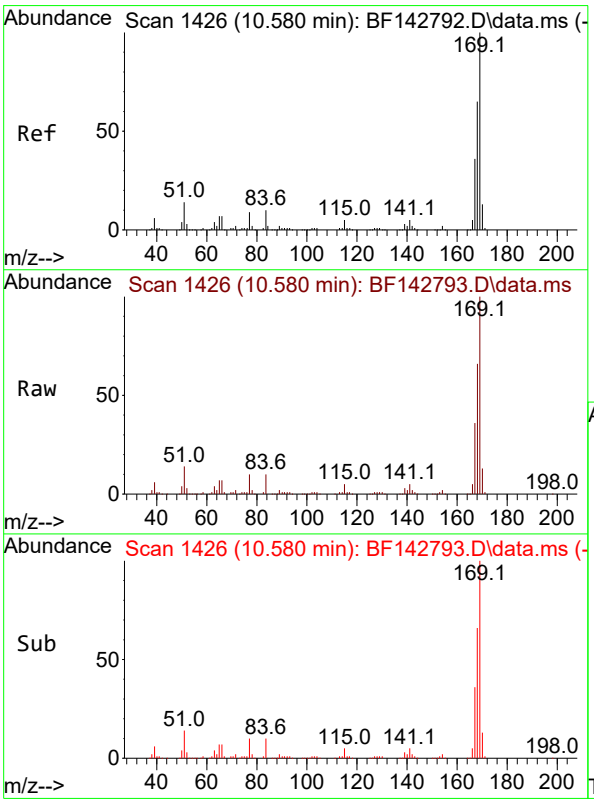

#65
4,6-Dinitro-2-methylphenol
Concen: 53.713 ng
RT: 10.522 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:198 Resp: 76696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 47.9 | 25.4 | 65.4 |
| 105 | 42.3 | 20.4 | 60.4 |

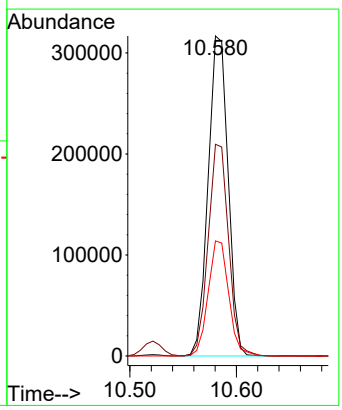


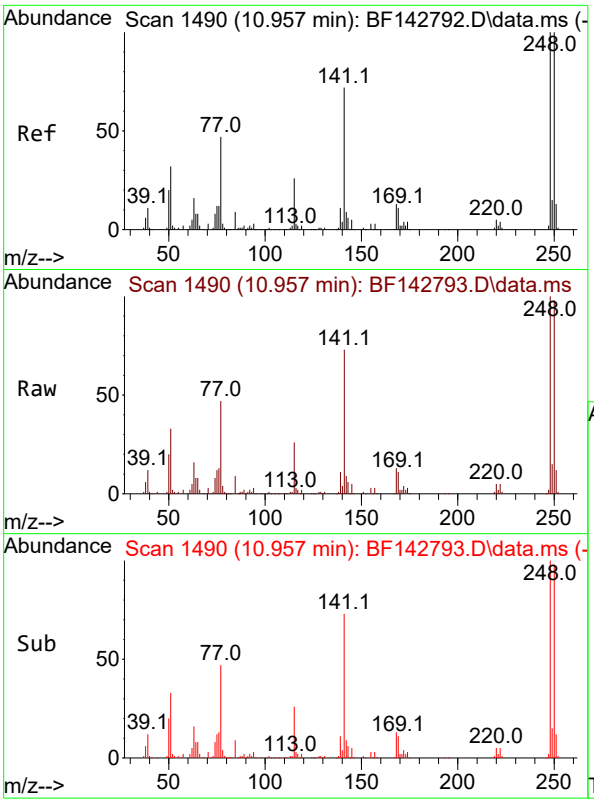




#66
n-Nitrosodiphenylamine
Concen: 52.171 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:169 Resp: 411917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.1 | 51.9 | 77.9 |
| 167 | 35.9 | 28.5 | 42.7 |



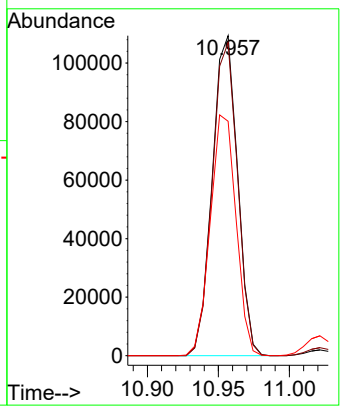


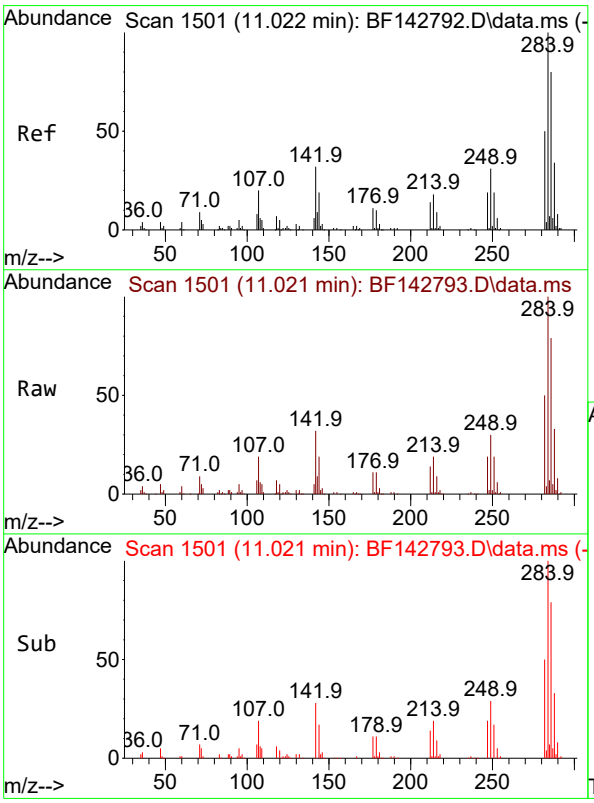

#67
4-Bromophenyl-phenylether
Concen: 50.425 ng
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:248 Resp: 135699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.8 | 79.8 | 119.8 |
| 141 | 73.3 | 57.8 | 86.6 |

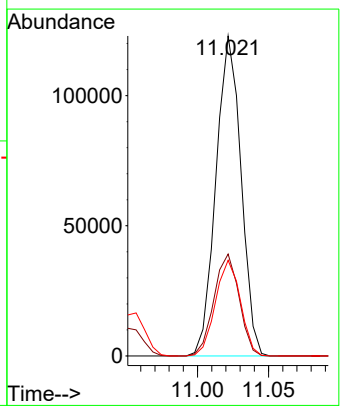


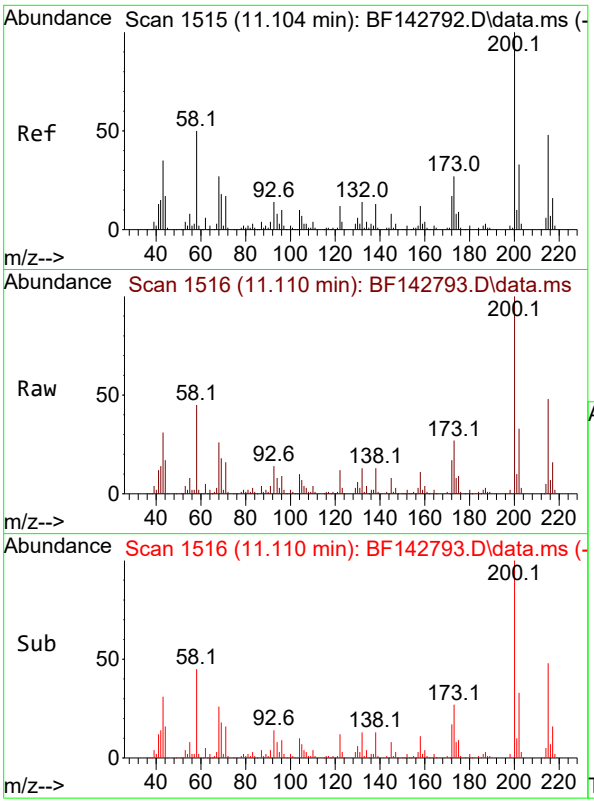




#68
Hexachlorobenzene
Concen: 50.432 ng
RT: 11.021 min Scan# 1501
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:284 Resp: 150669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.9 | 25.5 | 38.3 |
| 249 | 29.9 | 24.9 | 37.3 |



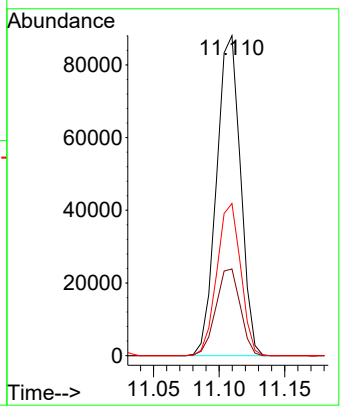


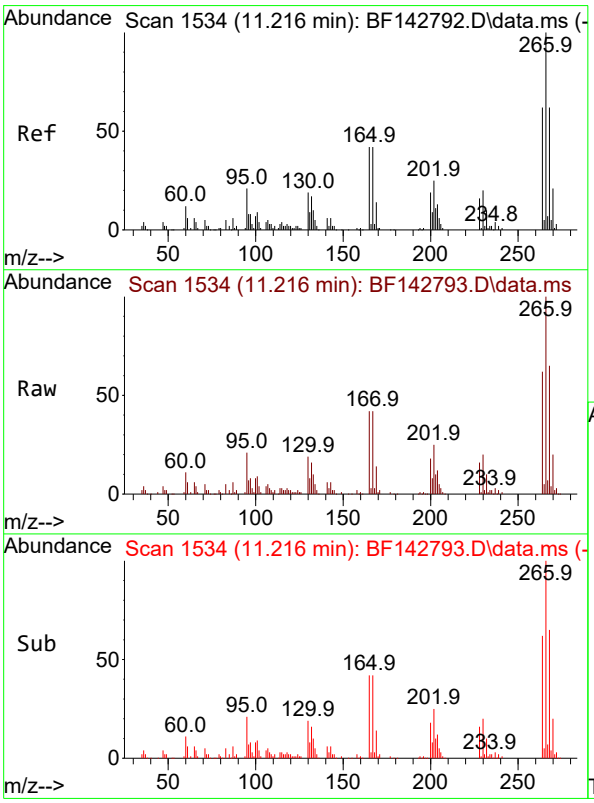

#69
Atrazine
Concen: 53.385 ng
RT: 11.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:200 Resp: 111915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.1 | 7.4 | 47.4 |
| 215 | 47.5 | 28.4 | 68.4 |

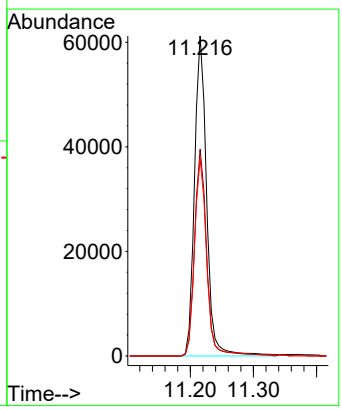


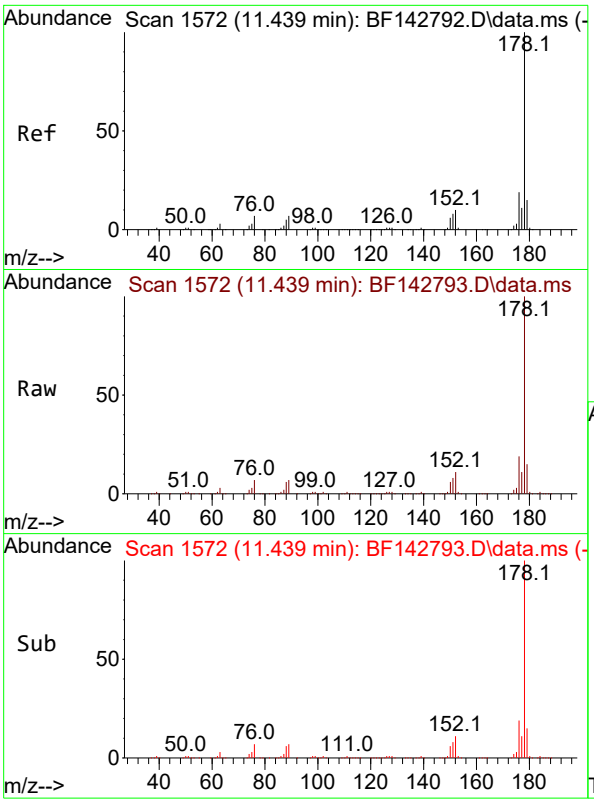




#70
Pentachlorophenol
Concen: 52.574 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:266 Resp: 81577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.6 | 49.8 | 74.8 |
| 264 | 61.7 | 49.9 | 74.9 |



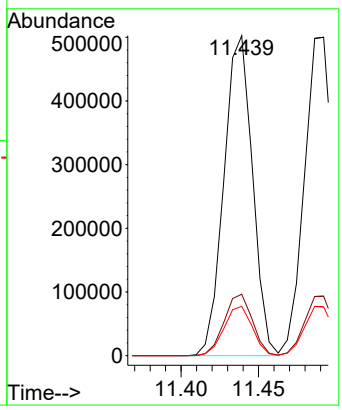


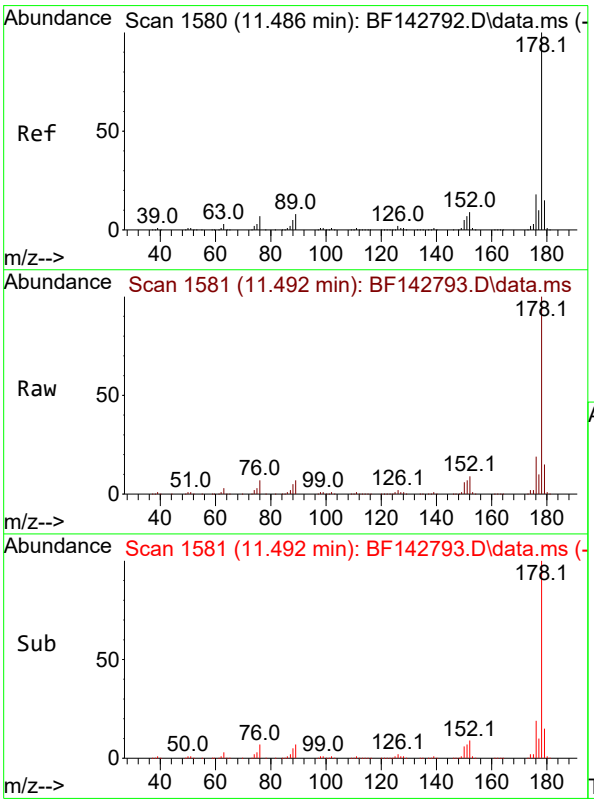

#71
Phenanthrene
Concen: 52.403 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:178 Resp: 644668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.1 | 22.7 |
| 179 | 15.4 | 12.0 | 18.0 |

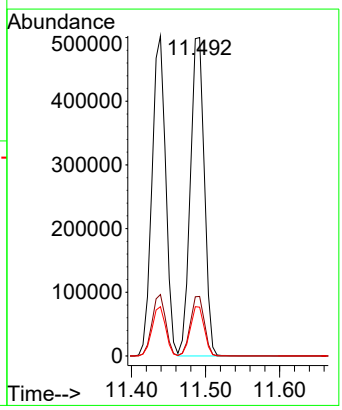


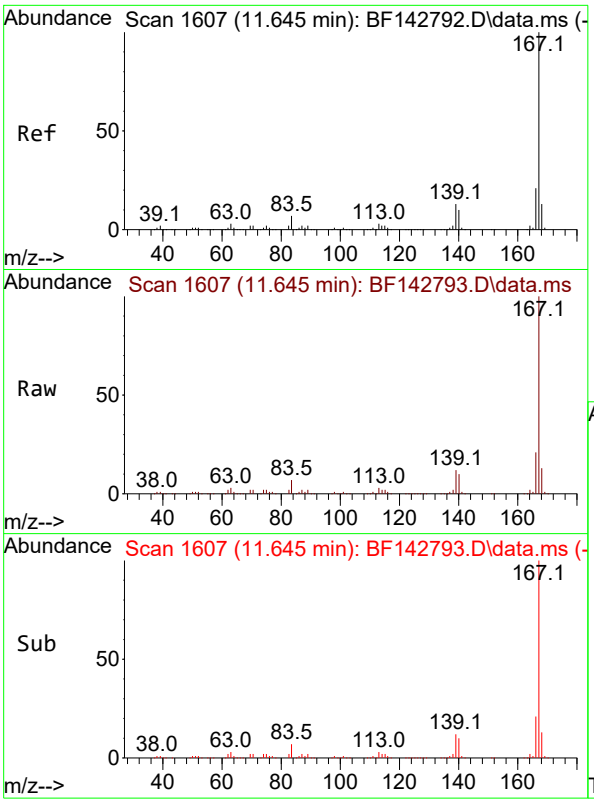




#72
Anthracene
Concen: 51.433 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:178 Resp: 654942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 14.6 | 21.8 |
| 179 | 15.4 | 12.4 | 18.6 |



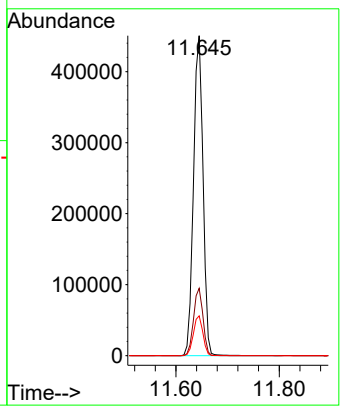


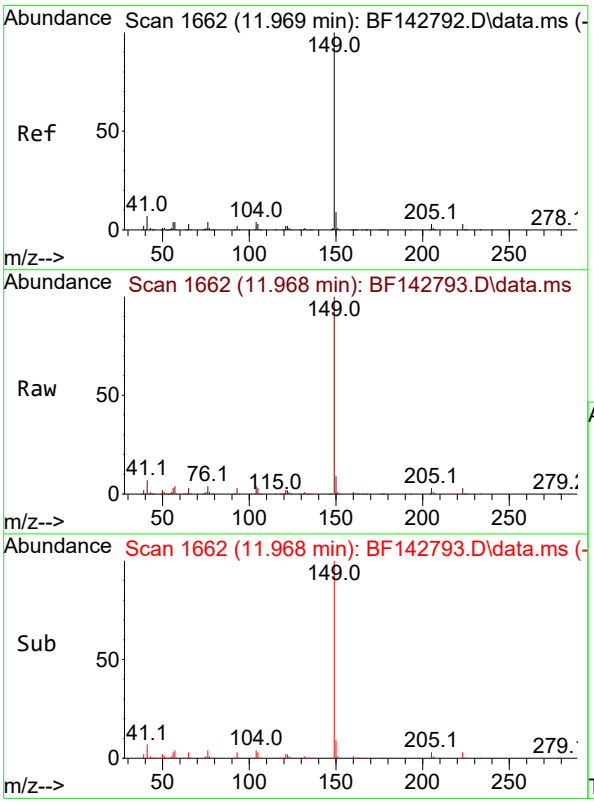

#73
Carbazole
Concen: 53.996 ng
RT: 11.645 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:167 Resp: 575784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.0 | 17.0 | 25.4 |
| 139 | 12.5 | 10.2 | 15.2 |

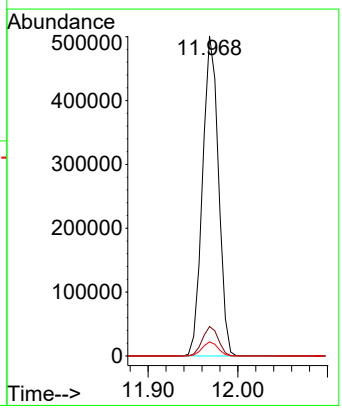


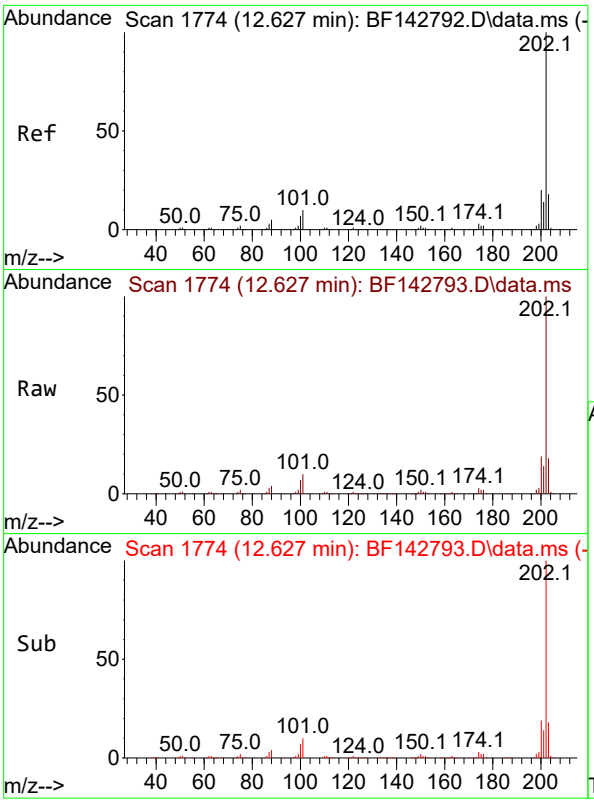




#74
Di-n-butylphthalate
Concen: 52.211 ng
RT: 11.968 min Scan# 1662
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:149 Resp: 616452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.4 | 11.0 |
| 104 | 4.4 | 3.5 | 5.3 |



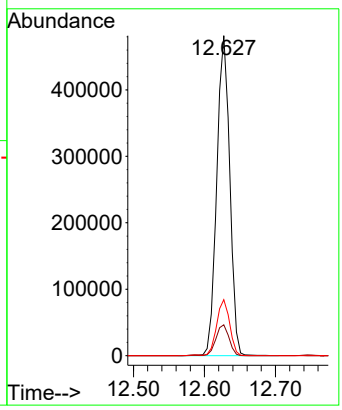


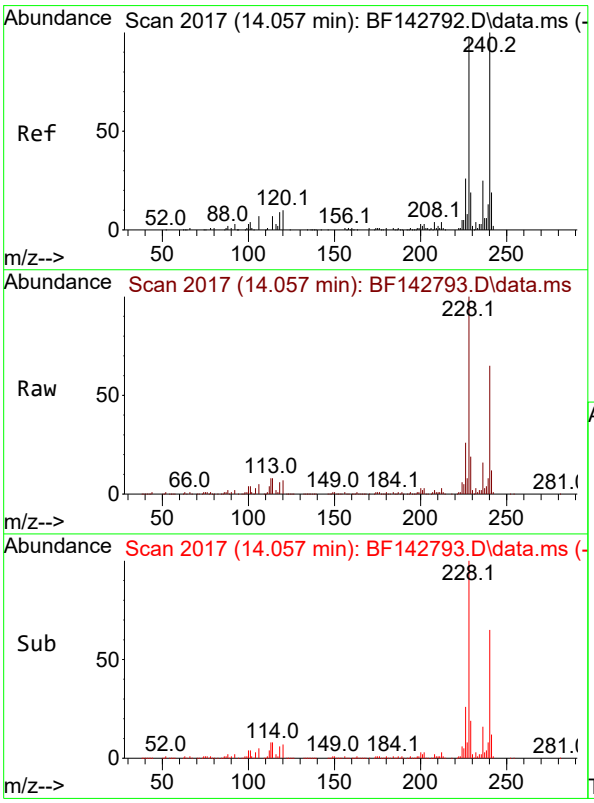

#75
Fluoranthene
Concen: 52.032 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:202 Resp: 608190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.6 | 0.0 | 29.7 |
| 203 | 17.5 | 0.0 | 37.5 |

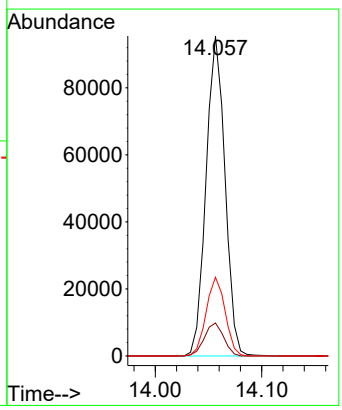


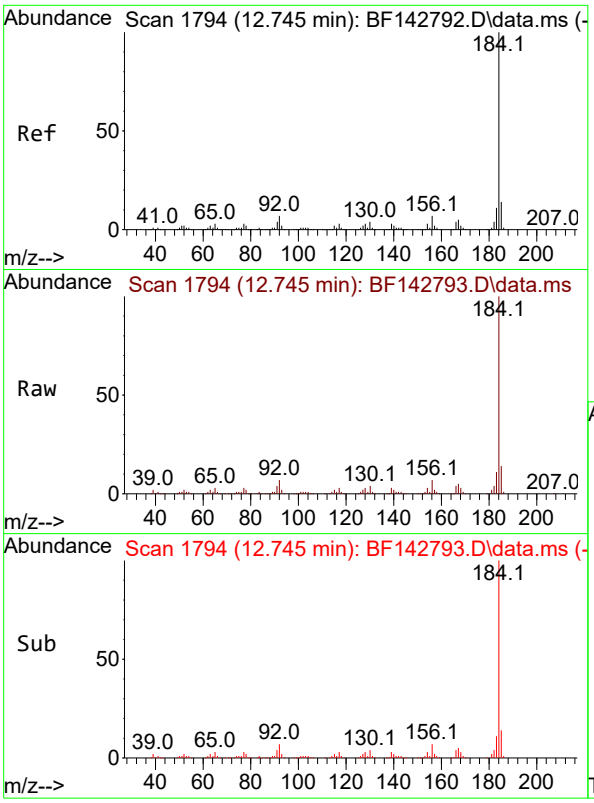




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:240 Resp: 117825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.3 | 8.2 | 12.2 |
| 236 | 24.6 | 19.8 | 29.8 |



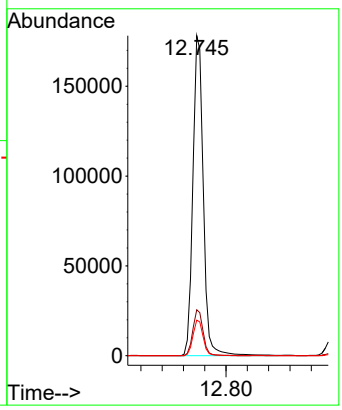


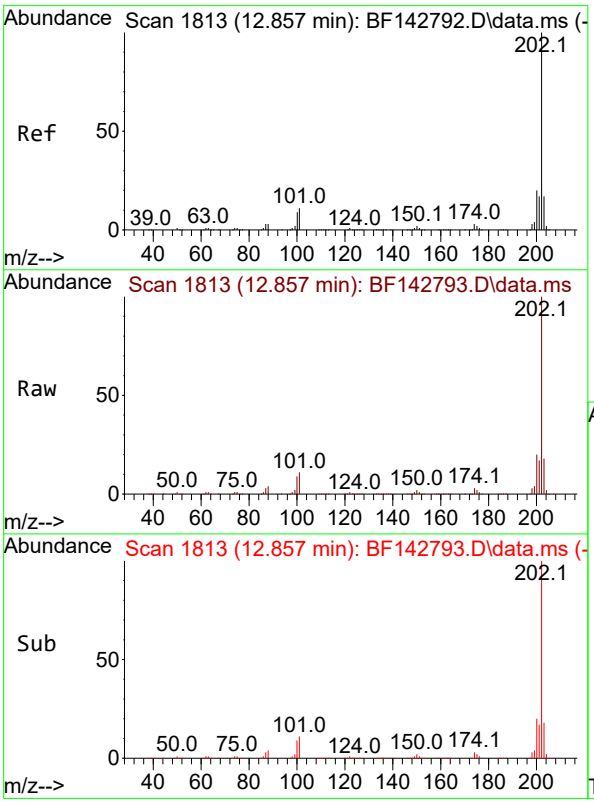

#77
Benzidine
Concen: 58.208 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:184 Resp: 242794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.4 | 11.5 | 17.3 |
| 183 | 11.1 | 9.0 | 13.4 |

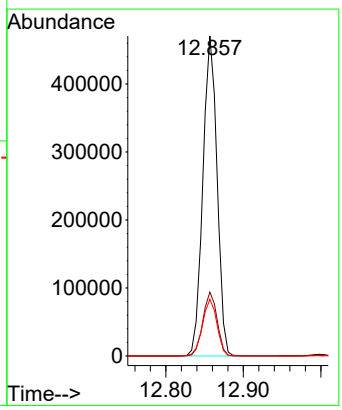


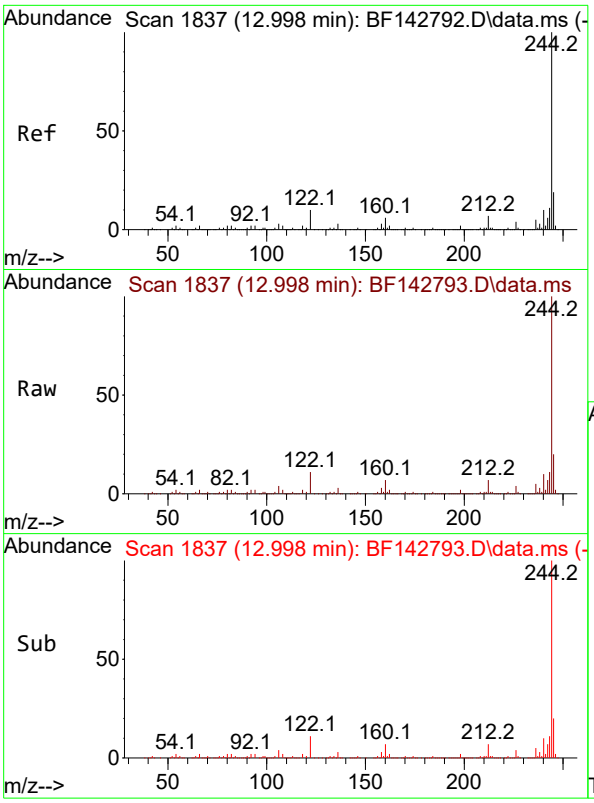




#78
Pyrene
Concen: 55.205 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:202 Resp: 597913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.0 | 15.7 | 23.5 |
| 203 | 17.7 | 13.8 | 20.6 |



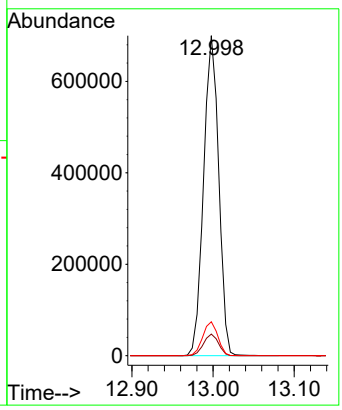


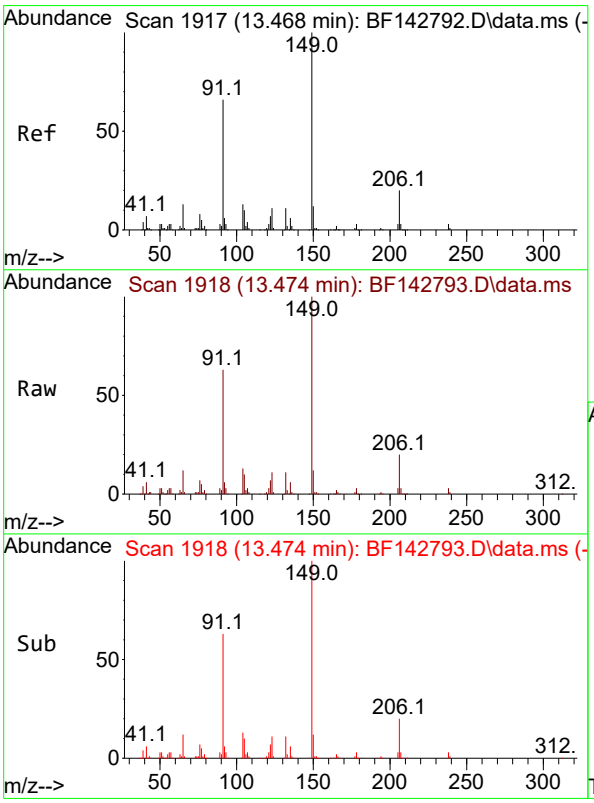

#79
Terphenyl-d14
Concen: 106.820 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:244 Resp: 904305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.4 | 8.0 |
| 122 | 10.6 | 8.2 | 12.2 |

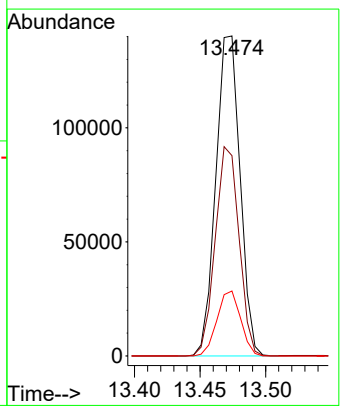


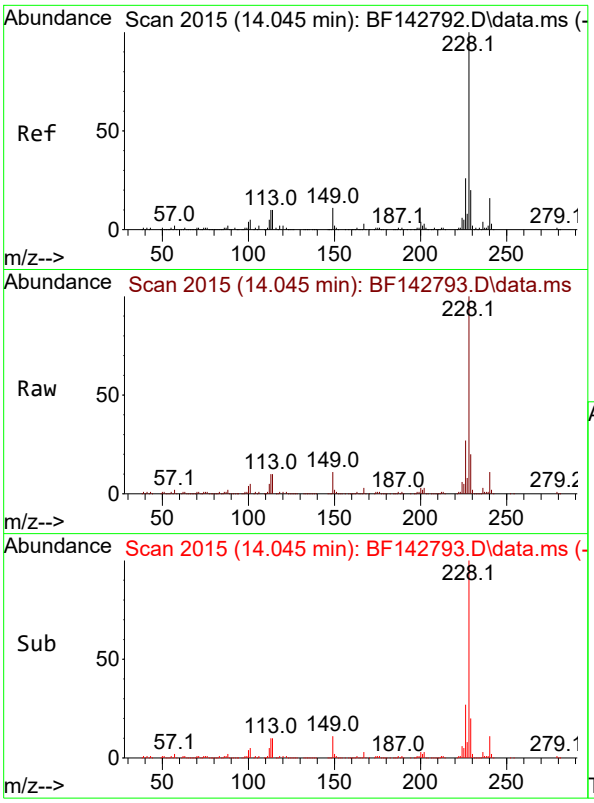




#80
Butylbenzylphthalate
Concen: 56.257 ng
RT: 13.474 min Scan# 1918
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:149 Resp: 180565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 62.6 | 52.9 | 79.3 |
| 206 | 20.3 | 16.3 | 24.5 |



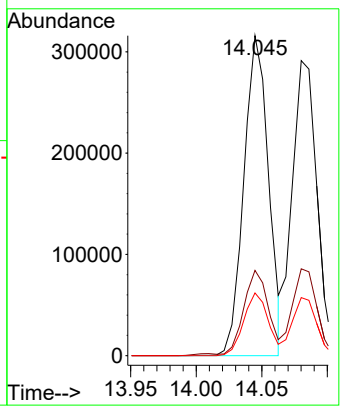


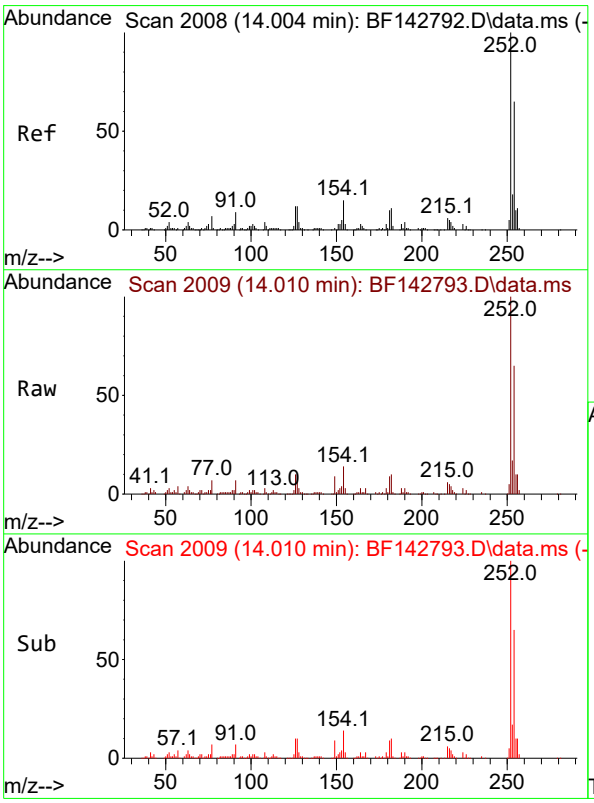

#81
Benzo(a)anthracene
Concen: 53.431 ng
RT: 14.045 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:228 Resp: 413349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.7 | 21.2 | 31.8 |
| 229 | 19.6 | 15.6 | 23.4 |

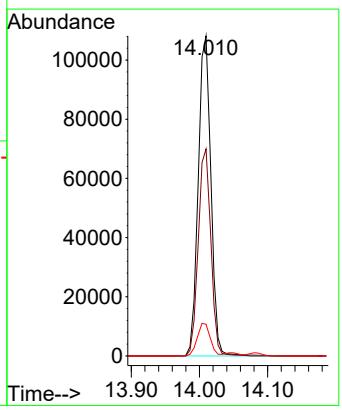


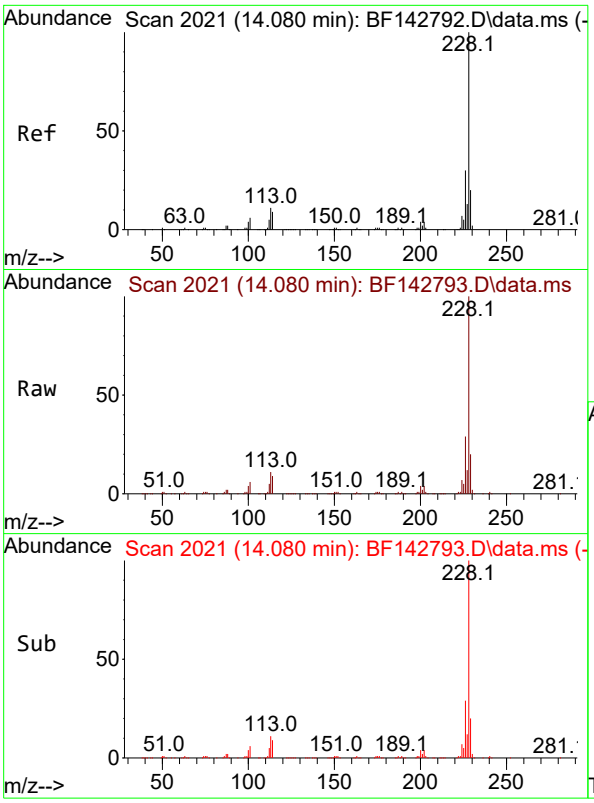




#82
3,3'-Dichlorobenzidine
Concen: 55.949 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:252 Resp: 140152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.7 | 51.7 | 77.5 |
| 126 | 9.9 | 9.4 | 14.2 |



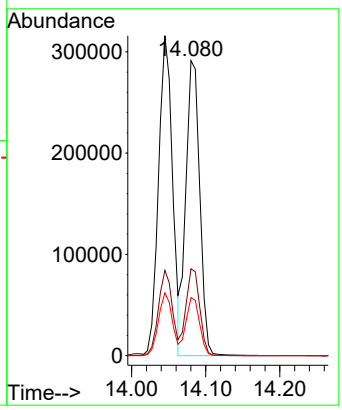


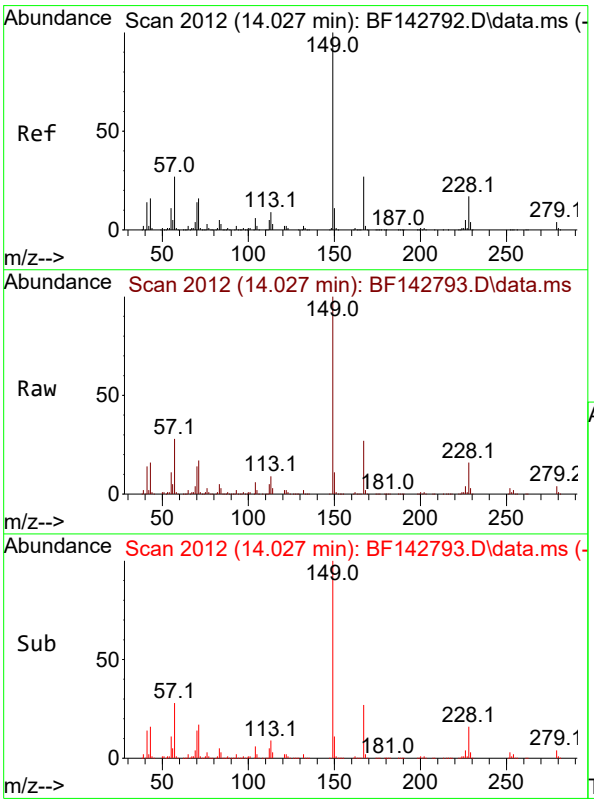

#83
Chrysene
Concen: 52.950 ng
RT: 14.080 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:228 Resp: 381352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.5 | 23.7 | 35.5 |
| 229 | 19.7 | 15.7 | 23.5 |

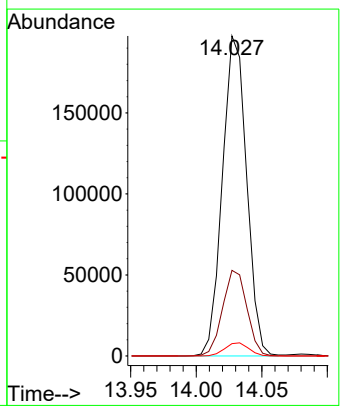


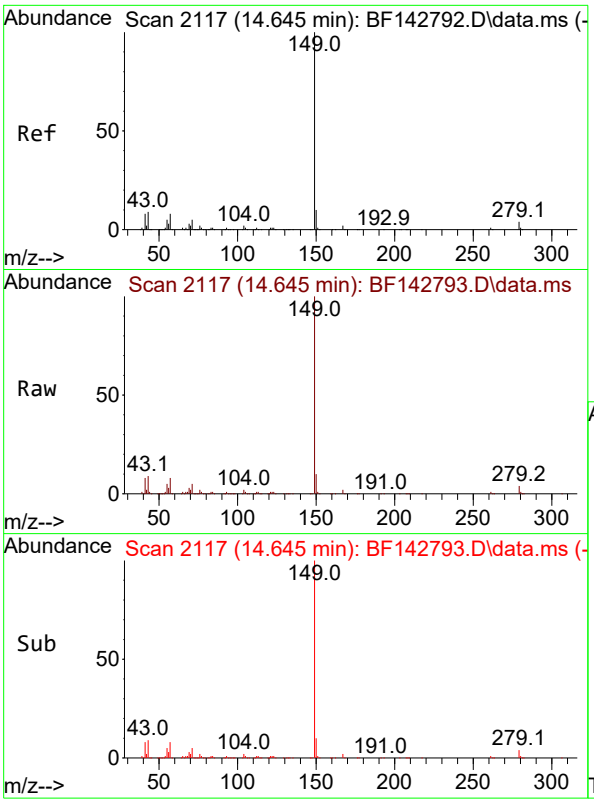




#84
Bis(2-ethylhexyl)phthalate
Concen: 53.016 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:149 Resp: 253542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.8 | 21.4 | 32.0 |
| 279 | 3.8 | 3.0 | 4.6 |



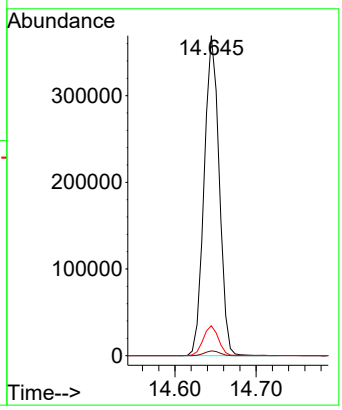


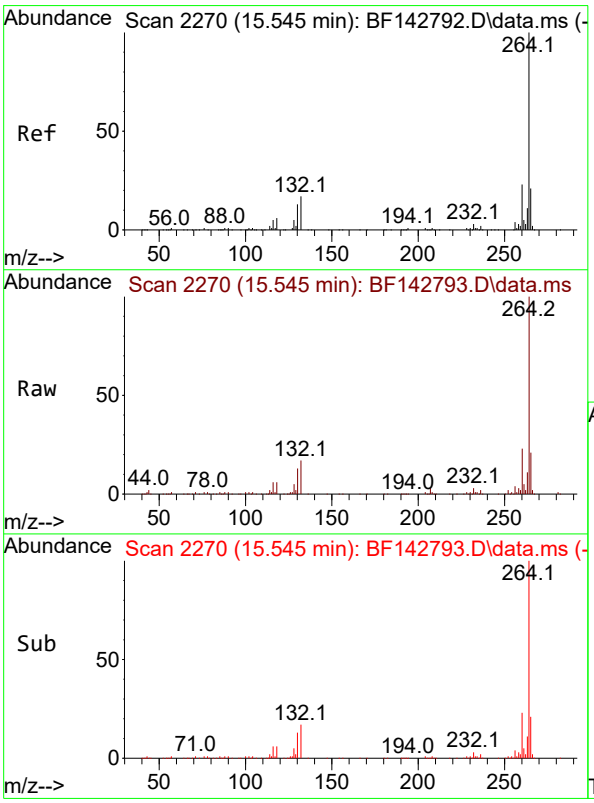

#85
Di-n-octyl phthalate
Concen: 52.029 ng
RT: 14.645 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:149 Resp: 474143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 9.4 | 7.6 | 11.4 |

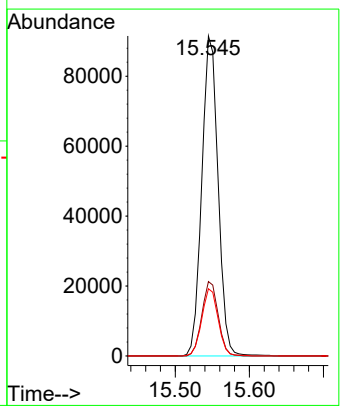


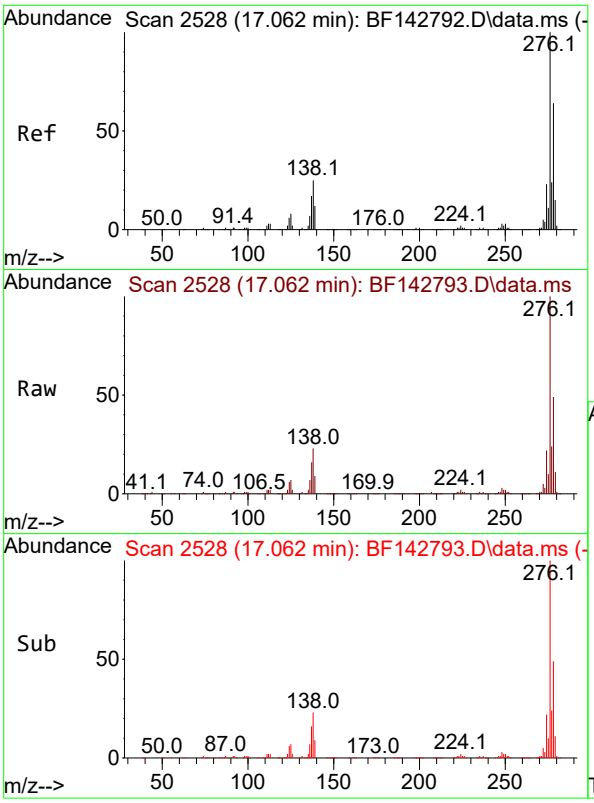




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:264 Resp: 139593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.1 | 27.1 |
| 265 | 21.0 | 16.6 | 25.0 |



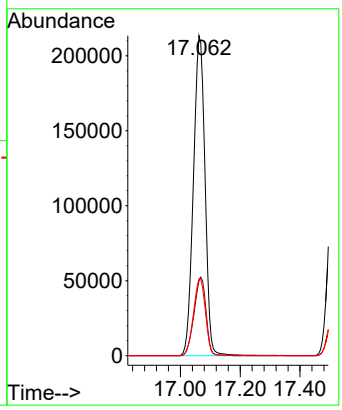


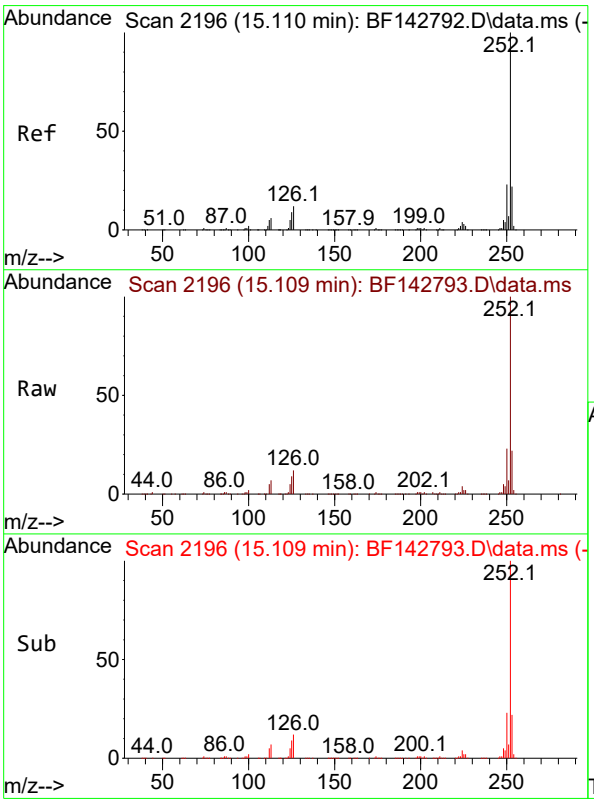

#87
Indeno(1,2,3-cd)pyrene
Concen: 55.741 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:276 Resp: 575271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.3 | 20.2 | 30.4 |
| 277 | 24.7 | 19.8 | 29.6 |

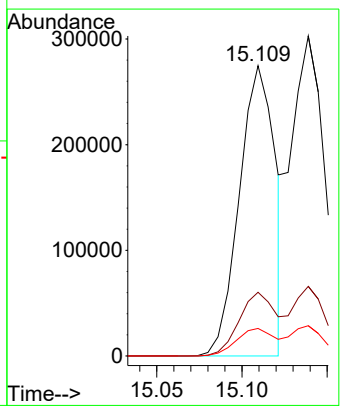


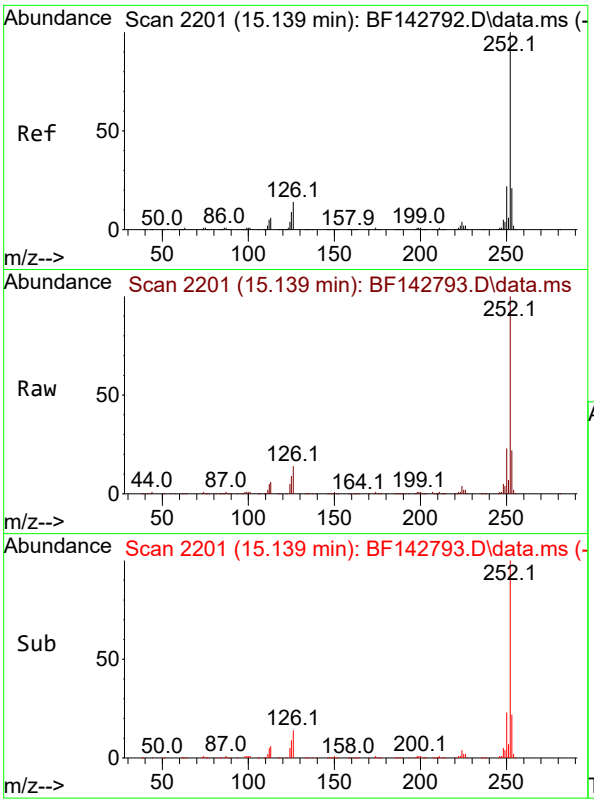




#88
Benzo(b)fluoranthene
Concen: 49.437 ng
RT: 15.109 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:252 Resp: 401915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 9.5 | 7.4 | 11.0 |



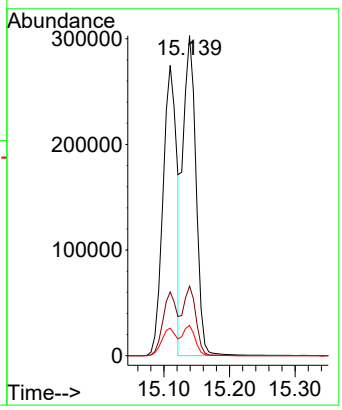


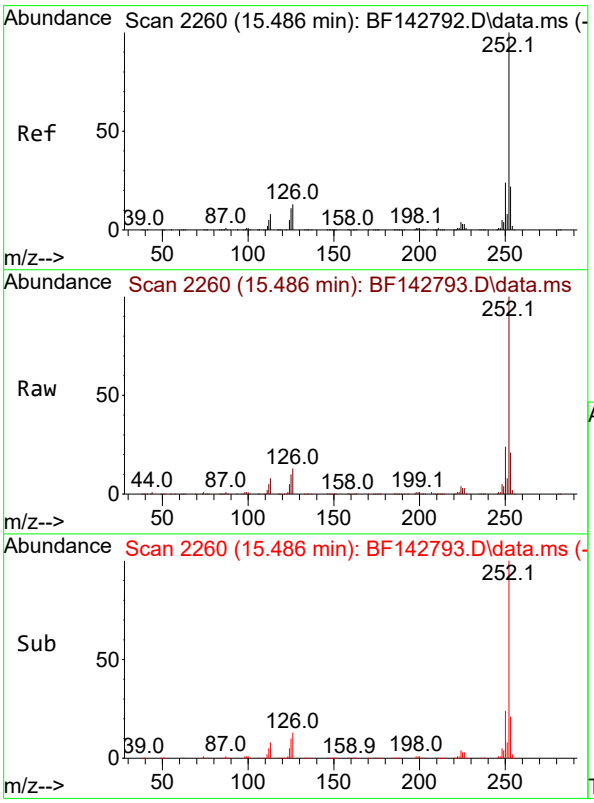

#89
Benzo(k)fluoranthene
Concen: 52.440 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:252 Resp: 416169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.2 | 25.8 |
| 125 | 9.5 | 7.4 | 11.2 |

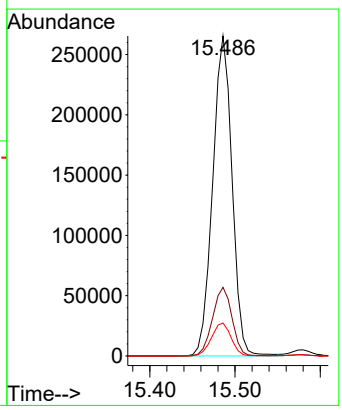


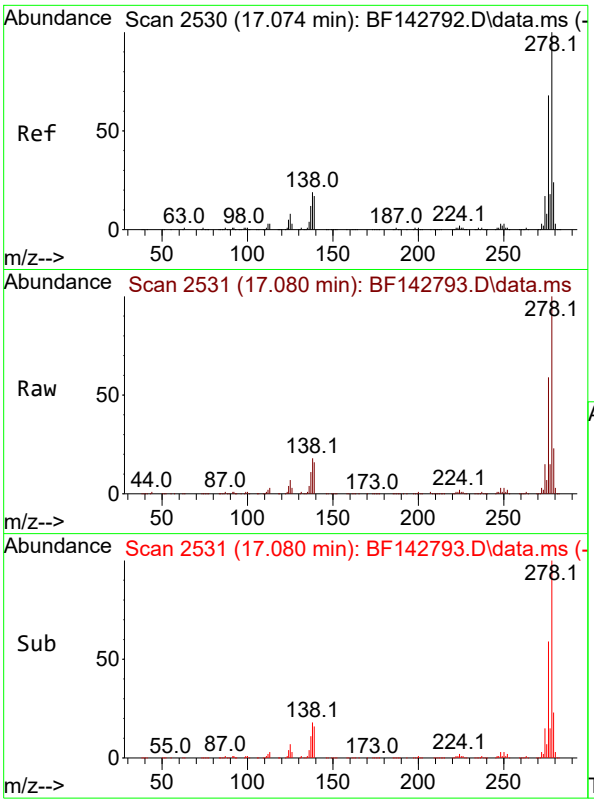




#90
Benzo(a)pyrene
Concen: 53.860 ng
RT: 15.486 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:252 Resp: 419030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.5 | 26.3 |
| 125 | 10.3 | 8.6 | 12.8 |



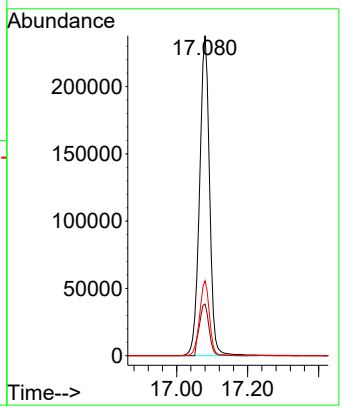


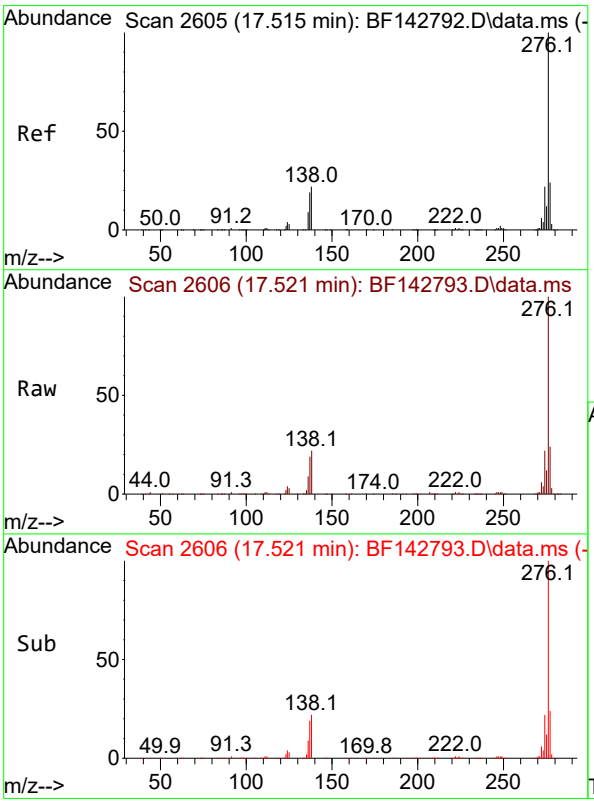

#91
Dibenzo(a,h)anthracene
Concen: 55.594 ng
RT: 17.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:278 Resp: 466485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.2 | 13.5 | 20.3 |
| 279 | 23.4 | 18.8 | 28.2 |

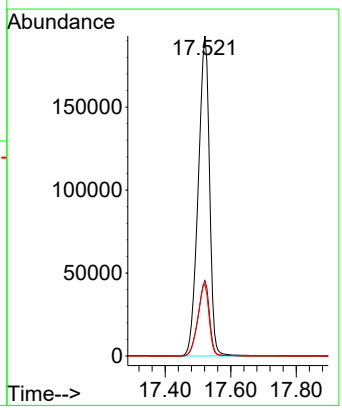



#92
Benzo(g,h,i)perylene
Concen: 55.540 ng
RT: 17.521 min Scan# 2606
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:276 Resp: 464951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.5 | 18.8 | 28.2 |
| 138 | 22.4 | 17.6 | 26.4 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142794.D
Acq On : 19 Jun 2025 20:10
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Quant Time: Jun 20 04:41:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 83273 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.169 | 136 | 313390 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.928 | 164 | 161044 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.410 | 188 | 264336 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.057 | 240 | 133196 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.551 | 264 | 166457 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 585158 | 119.852 | ng | 0.00 |
| 7) Phenol-d6 | 6.516 | 99 | 689436 | 120.255 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.451 | 82 | 680402 | 119.003 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.716 | 330 | 198721 | 113.541 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.245 | 172 | 1360586 | 112.392 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.998 | 244 | 1107704 | 115.747 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.640 | 88 | 119634 | 61.705 | ng | 99 |
| 3) Pyridine | 3.410 | 79 | 302137 | 62.244 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.375 | 42 | 157914 | 63.520 | ng | 99 |
| 6) Aniline | 6.545 | 93 | 466855 | 60.761 | ng | 93 |
| 8) 2-Chlorophenol | 6.669 | 128 | 317743 | 59.767 | ng | 99 |
| 9) Benzaldehyde | 6.434 | 77 | 170843 | 48.878 | ng | 100 |
| 10) Phenol | 6.528 | 94 | 382126 | 59.780 | ng | 92 |
| 11) bis(2-Chloroethyl)ether | 6.622 | 93 | 278869 | 58.802 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 353155 | 58.337 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 356089 | 58.035 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 338121 | 57.645 | ng | 99 |
| 15) Benzyl Alcohol | 7.028 | 79 | 257749 | 60.062 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45 | 439082 | 58.763 | ng | 97 |
| 17) 2-Methylphenol | 7.134 | 107 | 242711 | 59.716 | ng | 100 |
| 18) Hexachloroethane | 7.392 | 117 | 124457 | 56.741 | ng | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.304 | 70 | 202914 | 56.123 | ng | 97 |
| 20) 3+4-Methylphenols | 7.292 | 107 | 298960 | 58.442 | ng | 99 |
| 22) Acetophenone | 7.298 | 105 | 402615 | 58.063 | ng | 99 |
| 24) Nitrobenzene | 7.469 | 77 | 306032 | 60.229 | ng | 99 |
| 25) Isophorone | 7.710 | 82 | 548612 | 57.216 | ng | 100 |
| 26) 2-Nitrophenol | 7.786 | 139 | 175072 | 61.836 | ng | 98 |
| 27) 2,4-Dimethylphenol | 7.822 | 122 | 288532 | 59.859 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.916 | 93 | 343925 | 57.620 | ng | 100 |
| 29) 2,4-Dichlorophenol | 8.028 | 162 | 260228 | 58.574 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.110 | 180 | 282721 | 57.608 | ng | 99 |
| 31) Naphthalene | 8.192 | 128 | 886614 | 57.524 | ng | 100 |
| 32) Benzoic acid | 7.945 | 122 | 169471 | 63.369 | ng | 96 |
| 33) 4-Chloroaniline | 8.239 | 127 | 369911 | 59.887 | ng | 99 |
| 34) Hexachlorobutadiene | 8.304 | 225 | 173425 | 55.768 | ng | 99 |
| 35) Caprolactam | 8.622 | 113 | 73108 | 61.157 | ng | 98 |
| 36) 4-Chloro-3-methylphenol | 8.722 | 107 | 261249 | 56.927 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.881 | 142 | 548439 | 56.406 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.980 | 142 | 567801 | 56.247 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.045 | 216 | 278551 | 59.918 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.033 | 237 | 181771 | 61.835 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.157 | 196 | 187708 | 62.392 | ng | 100 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142794.D
Acq On : 19 Jun 2025 20:10
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Quant Time: Jun 20 04:41:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.204 | 196 | 196769 | 60.565 ng | 99 |
| 46) 1,1'-Biphenyl | 9.345 | 154 | 736970 | 58.937 ng | 99 |
| 47) 2-Chloronaphthalene | 9.375 | 162 | 553304 | 59.966 ng | 99 |
| 48) 2-Nitroaniline | 9.469 | 65 | 162701 | 62.067 ng | 96 |
| 49) Acenaphthylene | 9.786 | 152 | 913540 | 58.892 ng | 100 |
| 50) Dimethylphthalate | 9.651 | 163 | 617097 | 57.767 ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.710 | 165 | 137318 | 59.299 ng | 99 |
| 52) Acenaphthene | 9.963 | 154 | 566138 | 58.980 ng | 100 |
| 53) 3-Nitroaniline | 9.880 | 138 | 154402 | 61.386 ng | 99 |
| 54) 2,4-Dinitrophenol | 9.986 | 184 | 78750 | 62.843 ng | 99 |
| 55) Dibenzofuran | 10.133 | 168 | 802087 | 58.567 ng | 99 |
| 56) 4-Nitrophenol | 10.039 | 139 | 110658 | 64.811 ng | 100 |
| 57) 2,4-Dinitrotoluene | 10.116 | 165 | 184840 | 60.367 ng | 97 |
| 58) Fluorene | 10.475 | 166 | 608786 | 56.322 ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232 | 159997 | 58.739 ng | 97 |
| 60) Diethylphthalate | 10.345 | 149 | 611873 | 57.662 ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204 | 294444 | 56.089 ng | 98 |
| 62) 4-Nitroaniline | 10.498 | 138 | 144821 | 64.135 ng | 98 |
| 63) Azobenzene | 10.627 | 77 | 542118 | 58.460 ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.527 | 198 | 103180 | 62.814 ng | 100 |
| 66) n-Nitrosodiphenylamine | 10.586 | 169 | 531713 | 58.540 ng | 98 |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248 | 180519 | 58.311 ng | 97 |
| 68) Hexachlorobenzene | 11.022 | 284 | 199479 | 58.041 ng | 99 |
| 69) Atrazine | 11.110 | 200 | 144880 | 60.075 ng | 98 |
| 70) Pentachlorophenol | 11.216 | 266 | 107141 | 60.023 ng | 98 |
| 71) Phenanthrene | 11.439 | 178 | 815330 | 57.611 ng | 99 |
| 72) Anthracene | 11.492 | 178 | 844549 | 57.653 ng | 100 |
| 73) Carbazole | 11.645 | 167 | 729372 | 59.457 ng | 100 |
| 74) Di-n-butylphthalate | 11.969 | 149 | 784514 | 57.759 ng | 100 |
| 75) Fluoranthene | 12.627 | 202 | 770481 | 57.300 ng | 99 |
| 77) Benzidine | 12.751 | 184 | 287238 | 60.916 ng | 100 |
| 78) Pyrene | 12.857 | 202 | 744567 | 60.812 ng | 99 |
| 80) Butylbenzylphthalate | 13.474 | 149 | 238584 | 65.755 ng | 97 |
| 81) Benzo(a)anthracene | 14.045 | 228 | 550008 | 62.892 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.010 | 252 | 177798 | 62.787 ng | 100 |
| 83) Chrysene | 14.086 | 228 | 470124 | 57.743 ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149 | 336951 | 62.326 ng | 99 |
| 85) Di-n-octyl phthalate | 14.645 | 149 | 627090 | 60.871 ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.068 | 276 | 768324 | 62.432 ng | 99 |
| 88) Benzo(b)fluoranthene | 15.110 | 252 | 597533 | 61.638 ng | 100 |
| 89) Benzo(k)fluoranthene | 15.139 | 252 | 518514 | 54.792 ng | 99 |
| 90) Benzo(a)pyrene | 15.486 | 252 | 569694 | 61.408 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.086 | 278 | 619236 | 61.889 ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.527 | 276 | 626847 | 62.795 ng | 100 |

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

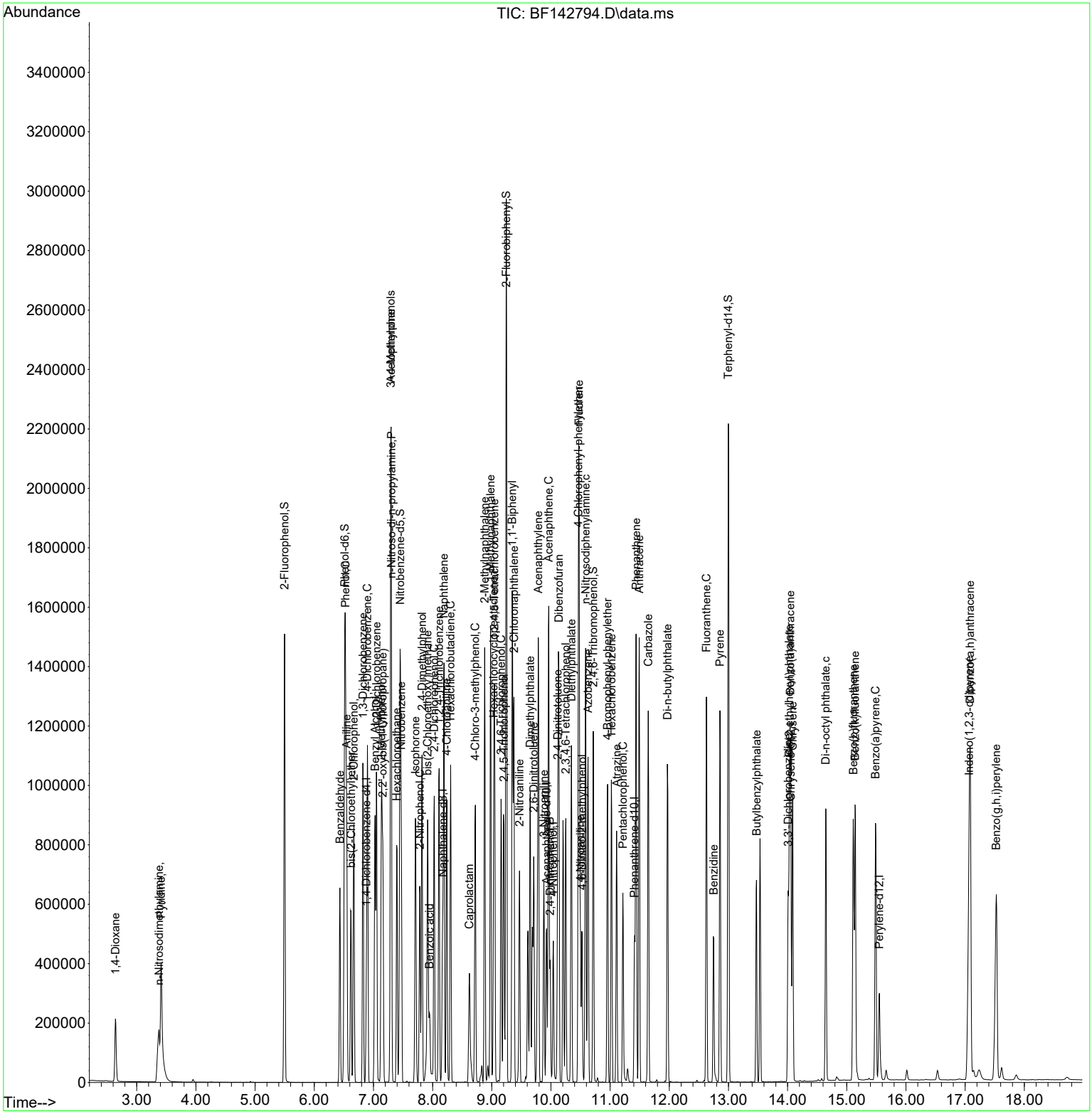
Quantitation Report (QT Reviewed)

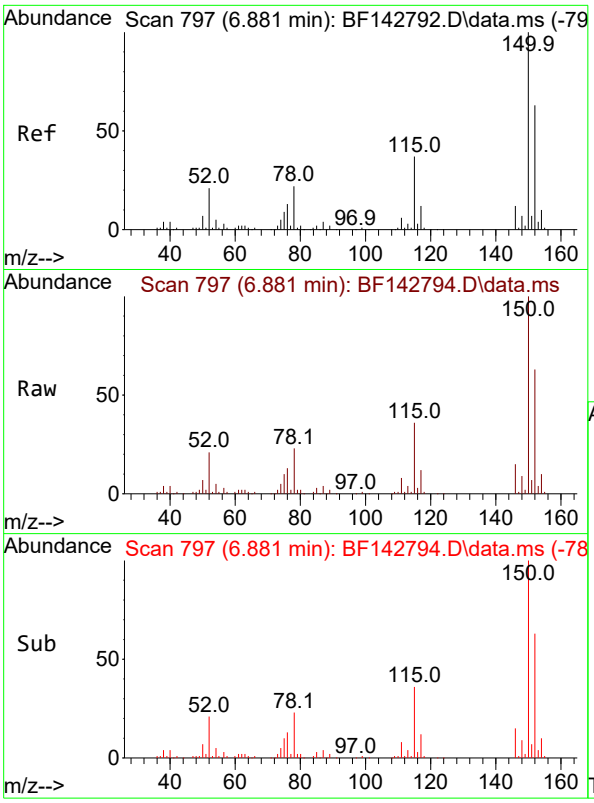
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142794.D
Acq On : 19 Jun 2025 20:10
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Quant Time: Jun 20 04:41:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



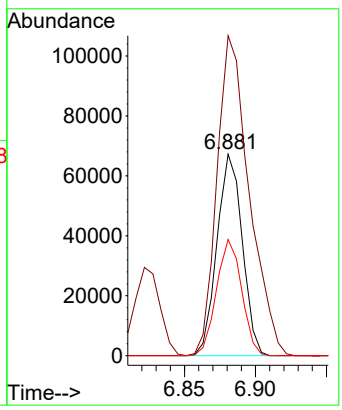


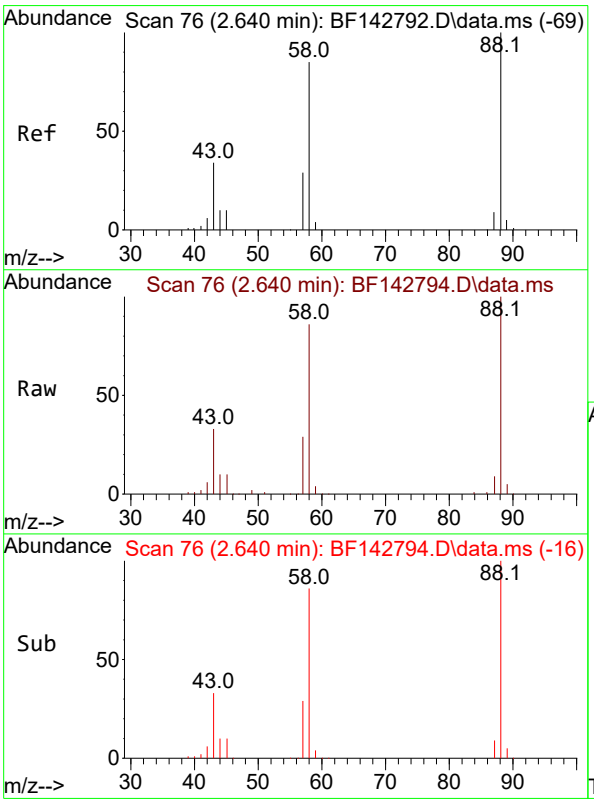

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:152 Resp: 83273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.8 | 127.2 | 190.8 |
| 115 | 57.7 | 46.6 | 69.8 |

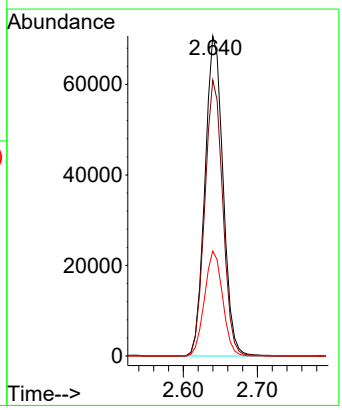


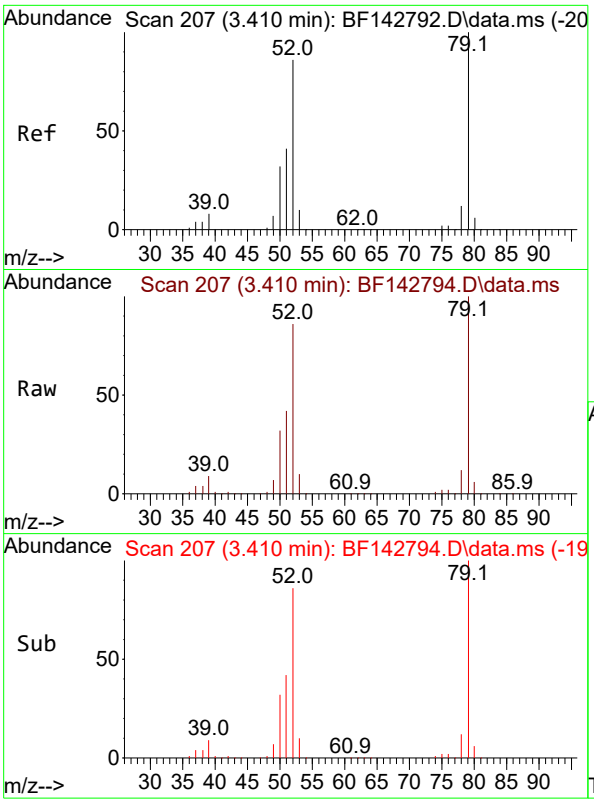




#2
1,4-Dioxane
Concen: 61.705 ng
RT: 2.640 min Scan# 76
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 88 Resp: 119634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 85.7 | 69.1 | 103.7 |
| 43 | 32.8 | 27.4 | 41.2 |



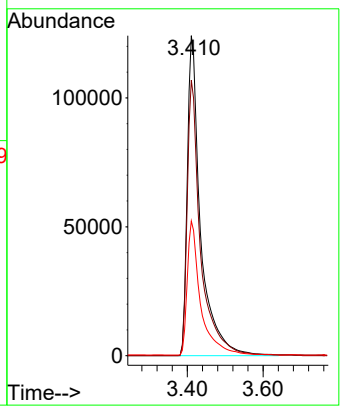


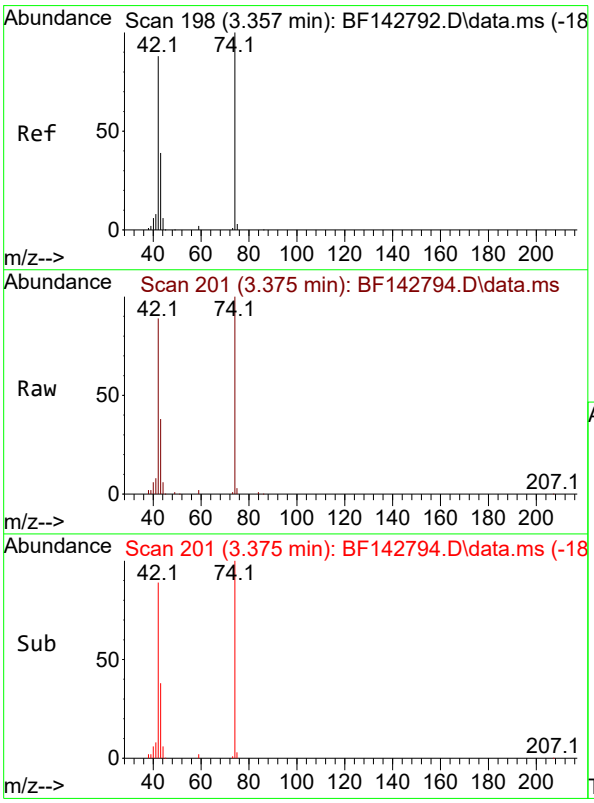

#3
Pyridine
Concen: 62.244 ng
RT: 3.410 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 79 Resp: 302137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 86.1 | 69.2 | 103.8 |
| 51 | 42.1 | 33.2 | 49.8 |

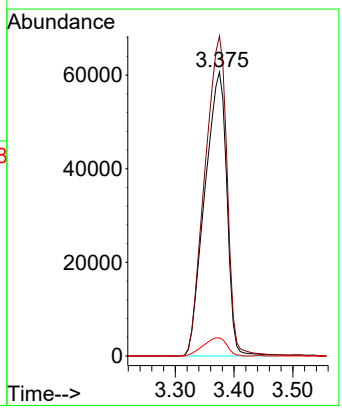


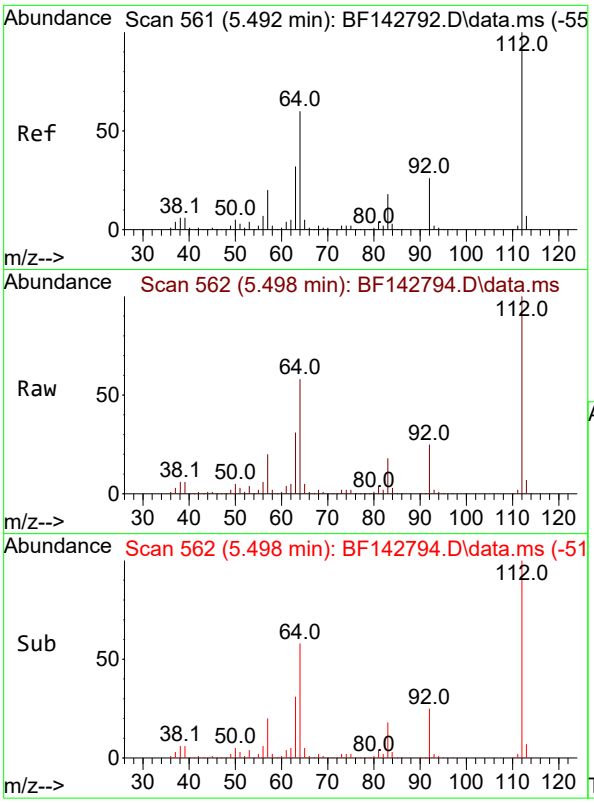




#4
n-Nitrosodimethylamine
Concen: 63.520 ng
RT: 3.375 min Scan# 201
Delta R.T. 0.018 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 42 Resp: 157914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 112.7 | 90.9 | 136.3 |
| 44 | 6.4 | 5.8 | 8.6 |



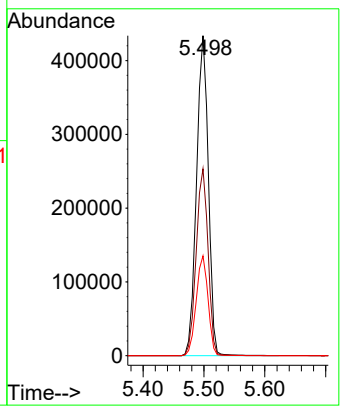


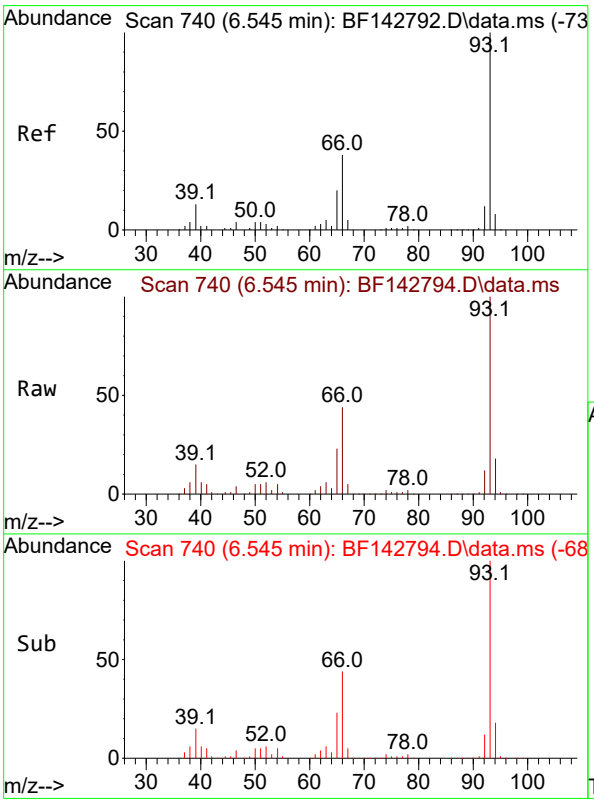

#5
2-Fluorophenol
Concen: 119.852 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:112 Resp: 585158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.4 | 48.2 | 72.2 |
| 63 | 31.2 | 25.7 | 38.5 |

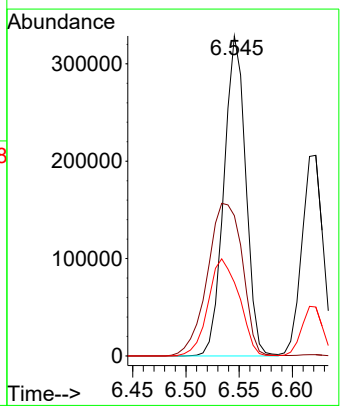


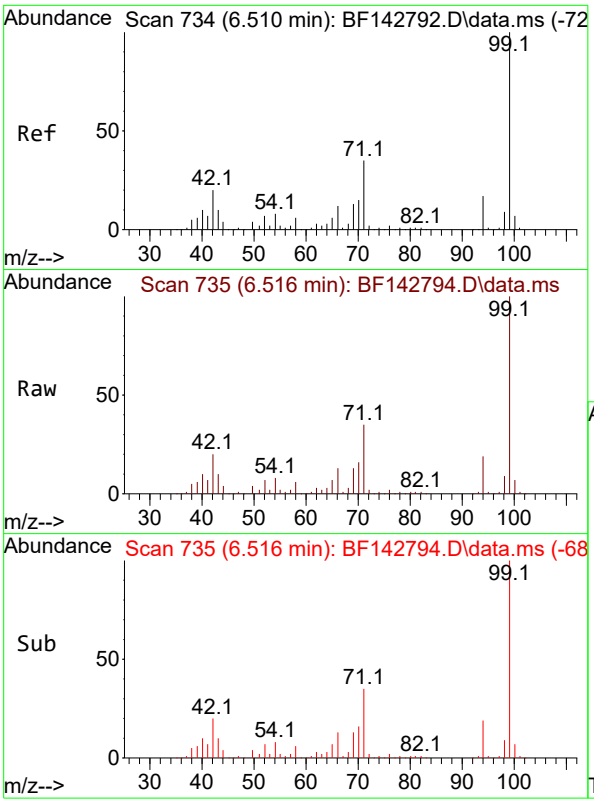




#6
Aniline
Concen: 60.761 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 93 Resp: 466855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 43.9 | 31.8 | 47.6 |
| 65 | 23.0 | 16.2 | 24.2 |



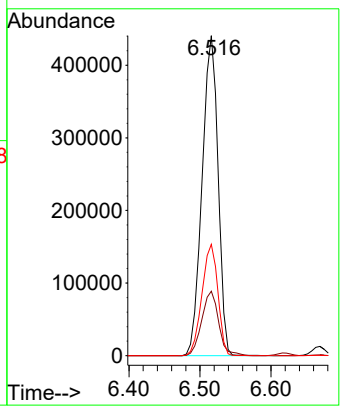


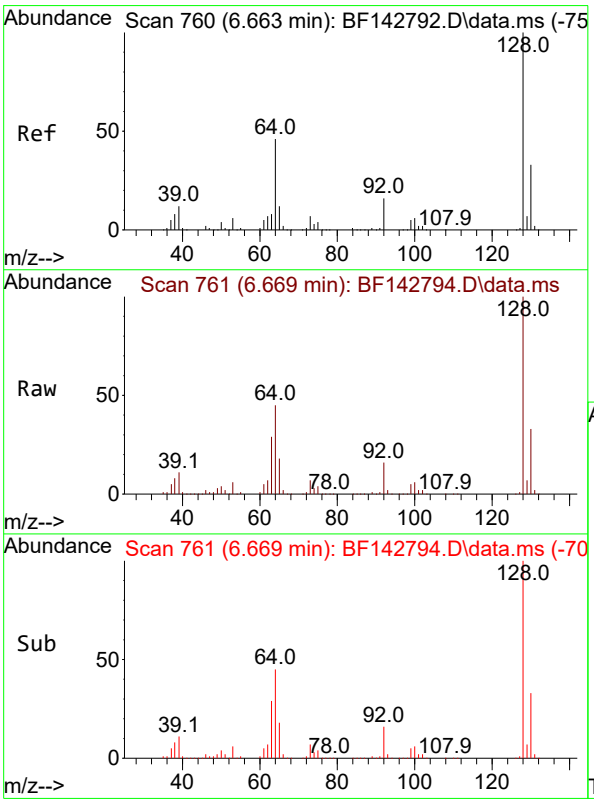

#7
Phenol-d6
Concen: 120.255 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 99 Resp: 689436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.2 | 15.9 | 23.9 |
| 71 | 34.8 | 27.8 | 41.8 |

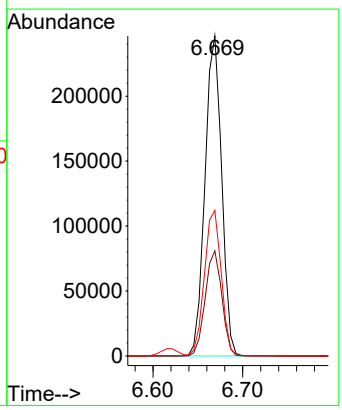


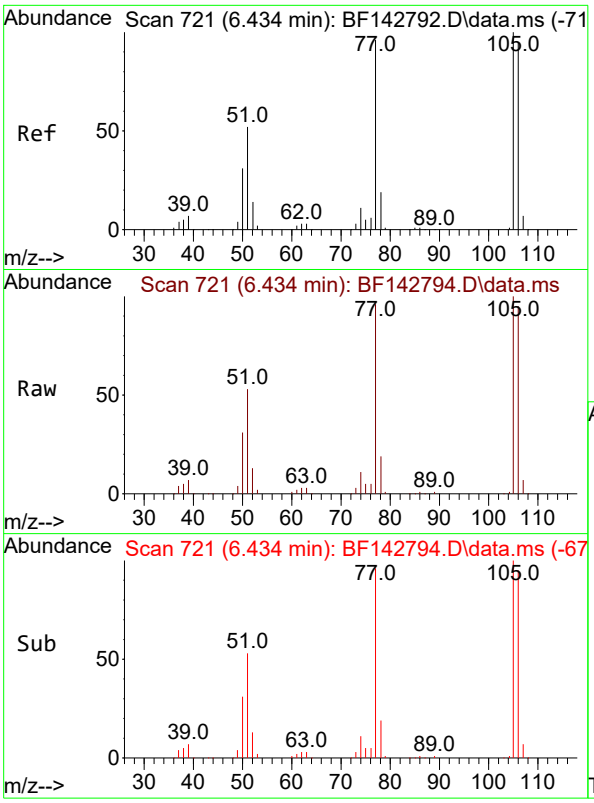




#8
2-Chlorophenol
Concen: 59.767 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:128 Resp: 317743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.9 | 12.7 | 52.7 |
| 64 | 45.5 | 26.5 | 66.5 |



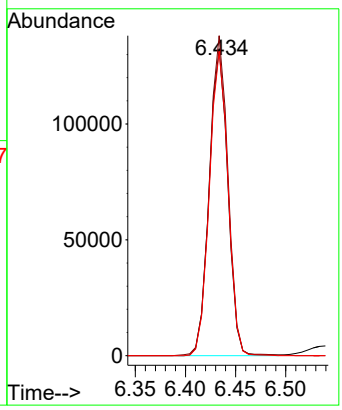


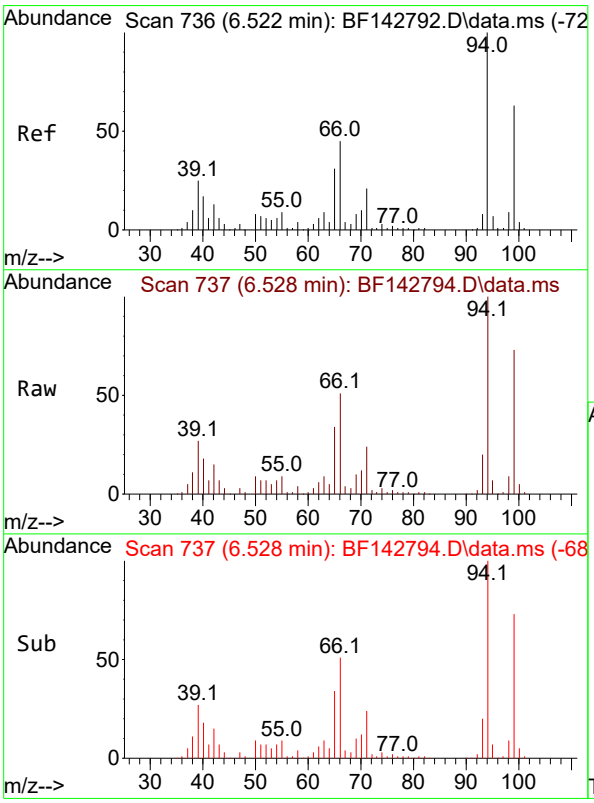

#9
Benzaldehyde
Concen: 48.878 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 77 Resp: 170843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 104.2 | 83.8 | 123.8 |
| 106 | 99.1 | 78.7 | 118.7 |

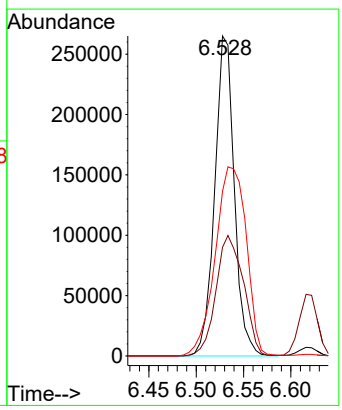


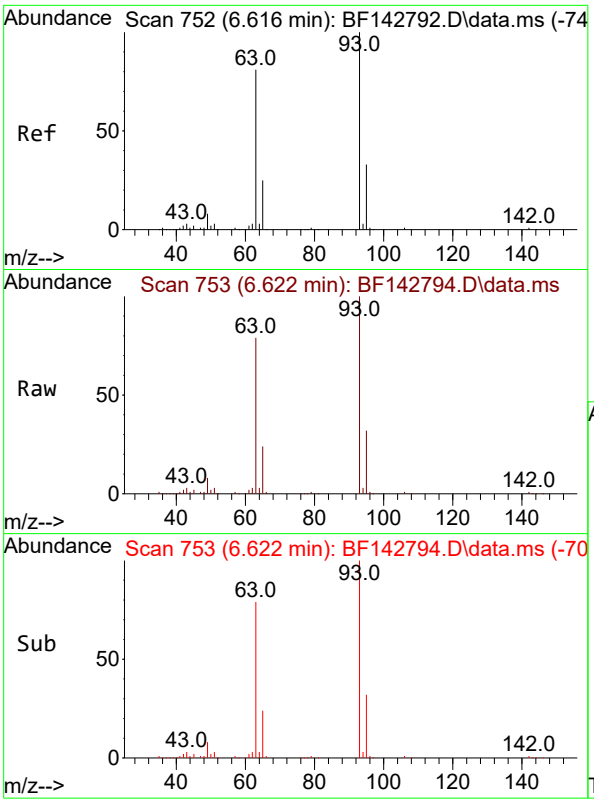




#10
Phenol
Concen: 59.780 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 94 Resp: 382126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 34.0 | 11.3 | 51.3 |
| 66 | 51.4 | 24.9 | 64.9 |



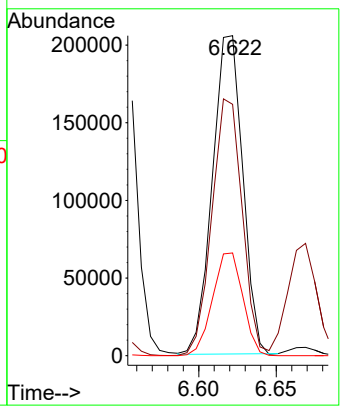


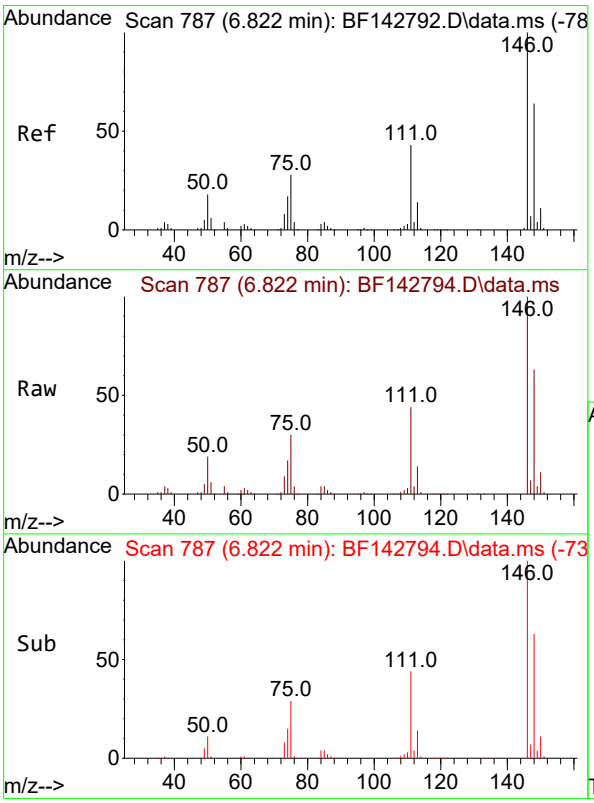

#11
bis(2-Chloroethyl)ether
Concen: 58.802 ng
RT: 6.622 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 93 Resp: 278869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 78.5 | 60.3 | 100.3 |
| 95 | 32.1 | 12.5 | 52.5 |

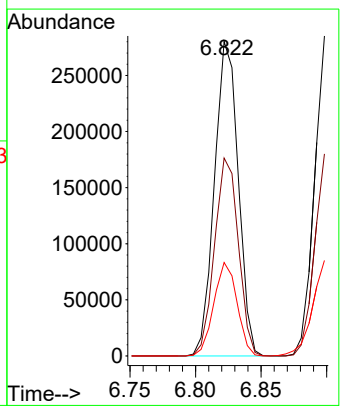


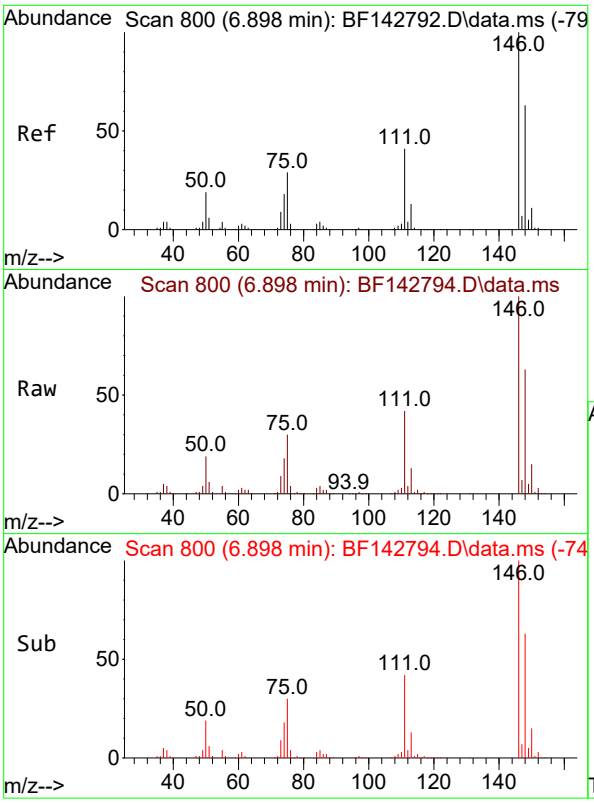




#12
1,3-Dichlorobenzene
Concen: 58.337 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:146 Resp: 353155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.0 | 51.1 | 76.7 |
| 75 | 29.7 | 22.7 | 34.1 |



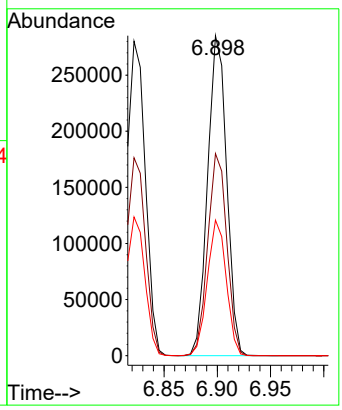


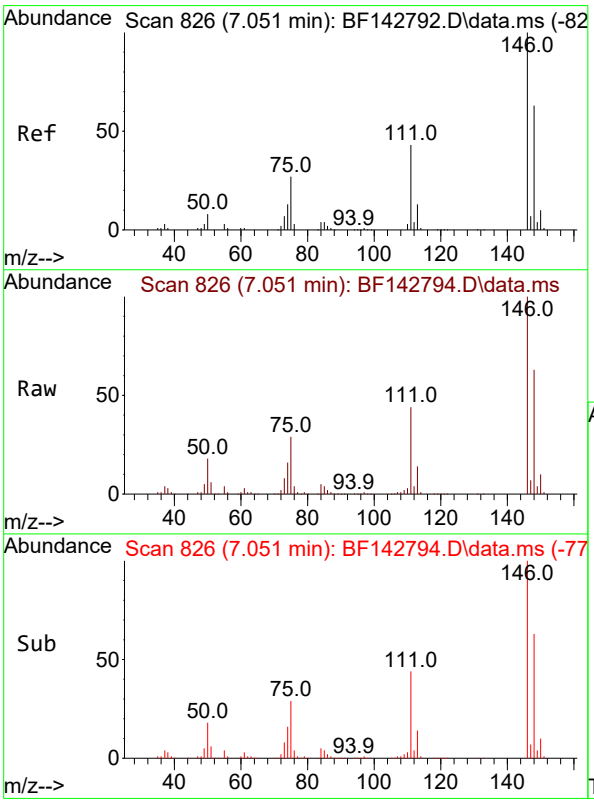

#13
1,4-Dichlorobenzene
Concen: 58.035 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:146 Resp: 356089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.1 | 50.2 | 75.2 |
| 111 | 42.4 | 33.2 | 49.8 |

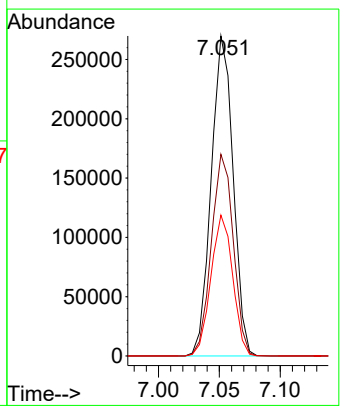


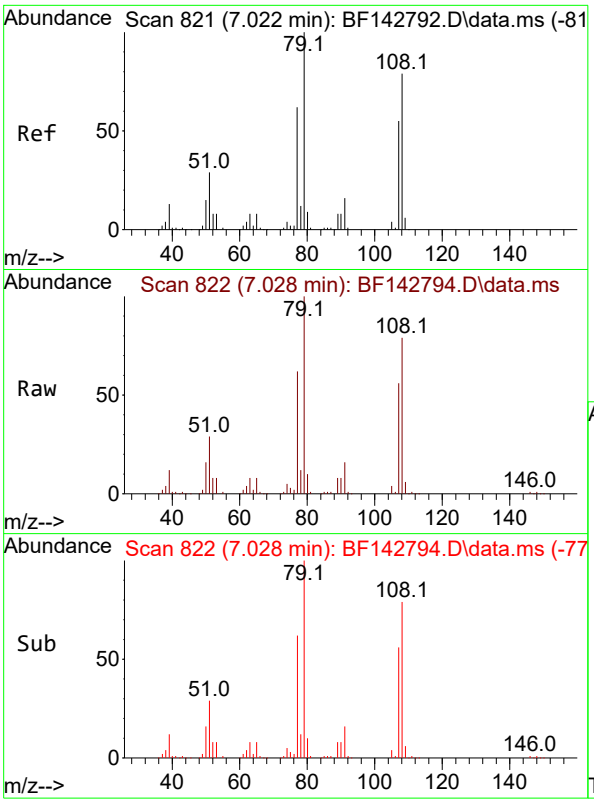




#14
1,2-Dichlorobenzene
Concen: 57.645 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:146 Resp: 338121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.0 | 50.4 | 75.6 |
| 111 | 44.0 | 34.1 | 51.1 |



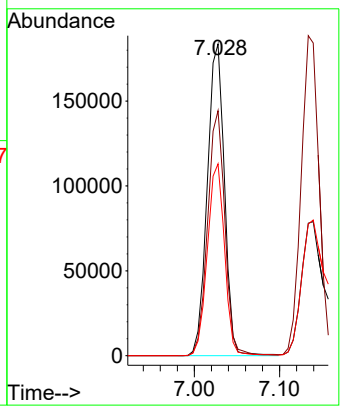


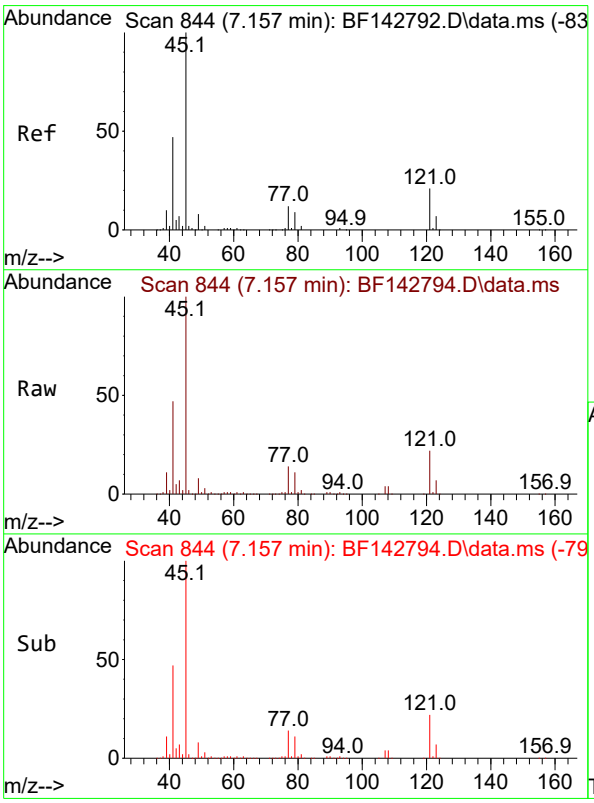

#15
Benzyl Alcohol
Concen: 60.062 ng
RT: 7.028 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 79 Resp: 257749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 78.6 | 63.4 | 95.0 |
| 77 | 61.5 | 49.5 | 74.3 |

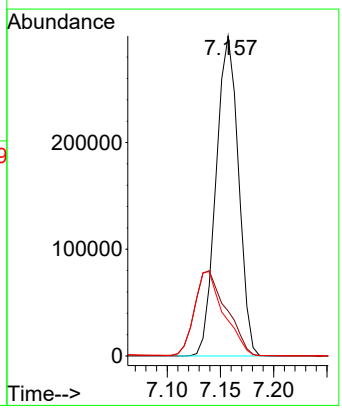


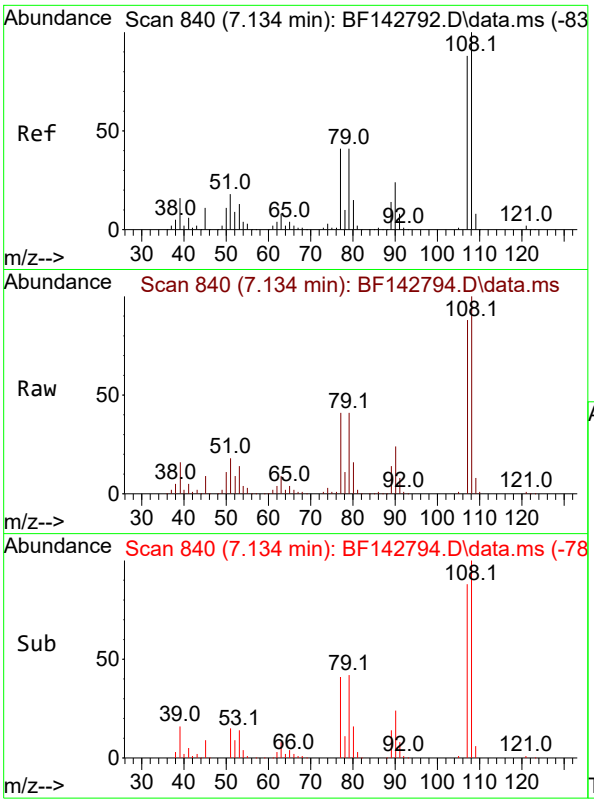




#16
2,2'-oxybis(1-Chloropropane)
Concen: 58.763 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 45 Resp: 439082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.0 | 0.0 | 32.8 |
| 79 | 11.1 | 0.0 | 29.8 |



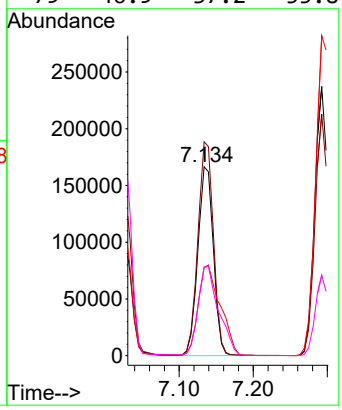


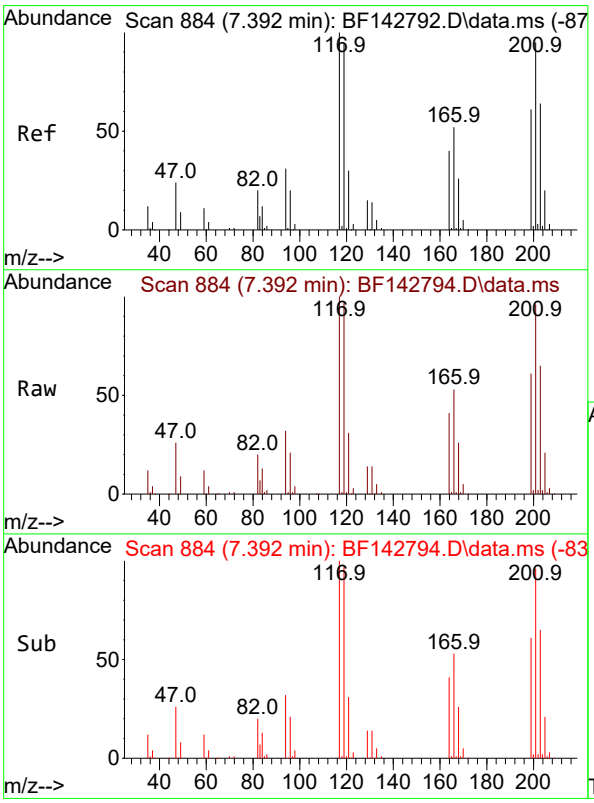

#17
2-Methylphenol
Concen: 59.716 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:107 Resp: 242711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.2 | 90.9 | 136.3 |
| 77 | 46.6 | 37.3 | 55.9 |
| 79 | 46.9 | 37.2 | 55.8 |

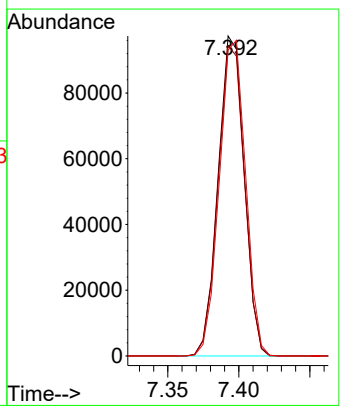


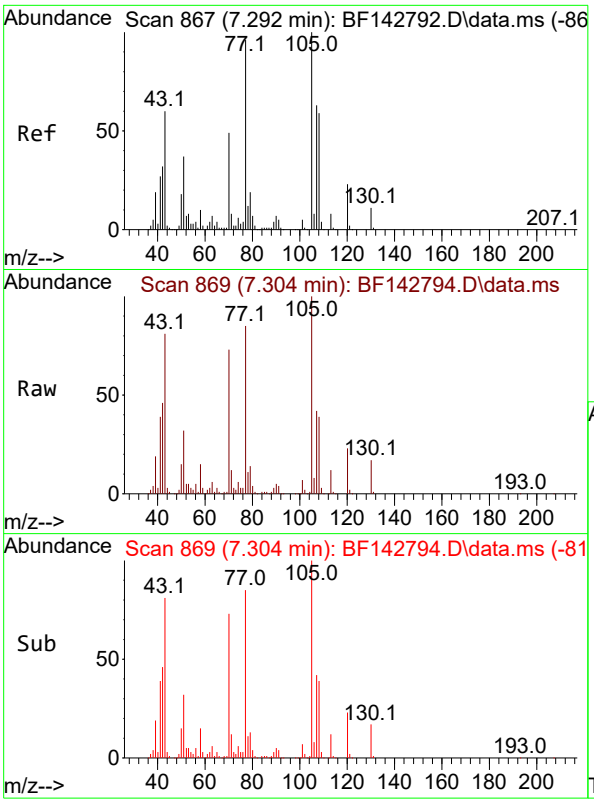




#18
Hexachloroethane
Concen: 56.741 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:117 Resp: 124457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.0 | 75.4 | 113.0 |
| 201 | 95.6 | 75.9 | 113.9 |



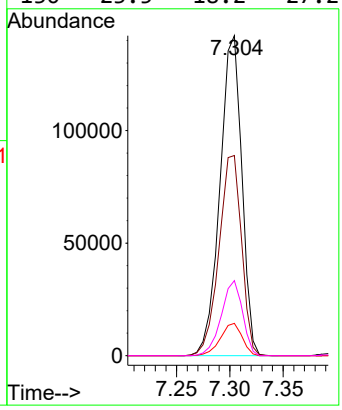


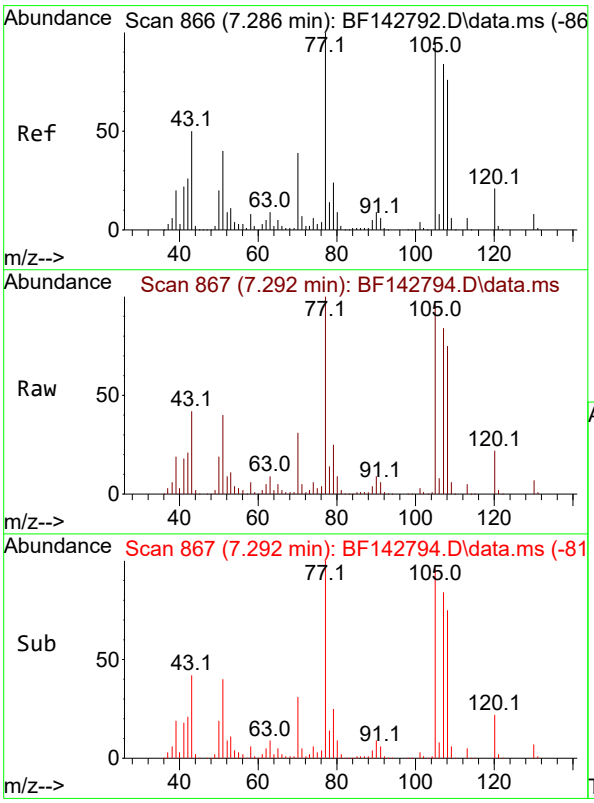

#19
n-Nitroso-di-n-propylamine
Concen: 56.123 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 70 Resp: 202914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 62.6 | 52.1 | 78.1 |
| 101 | 10.1 | 8.2 | 12.2 |
| 130 | 23.5 | 18.2 | 27.2 |

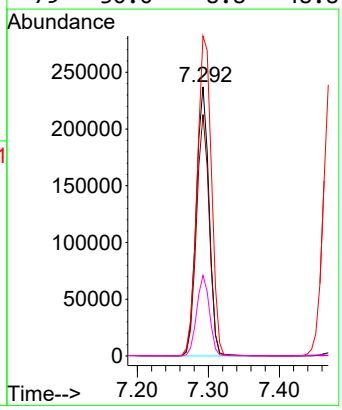


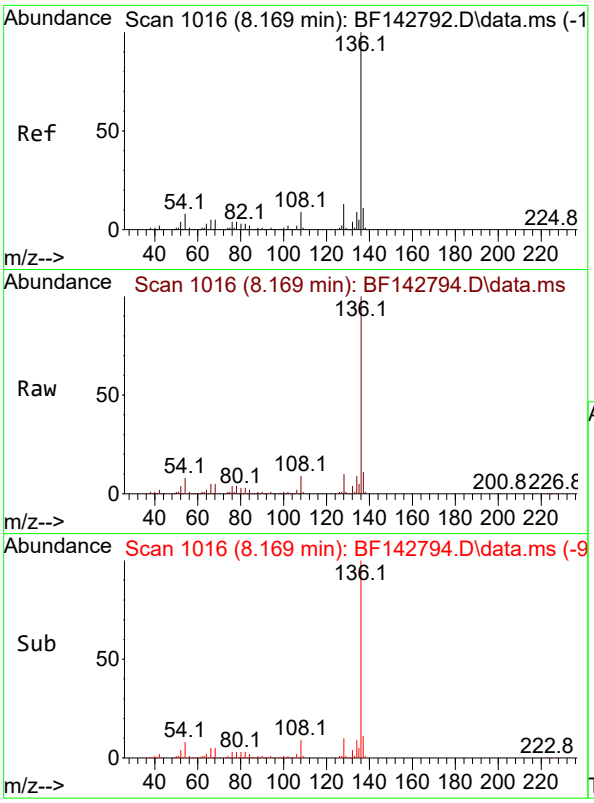




#20
3+4-Methylphenols
Concen: 58.442 ng
RT: 7.292 min Scan# 867
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:107 Resp: 298960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.7 | 70.0 | 110.0 |
| 77 | 118.9 | 98.5 | 138.5 |
| 79 | 30.0 | 8.8 | 48.8 |



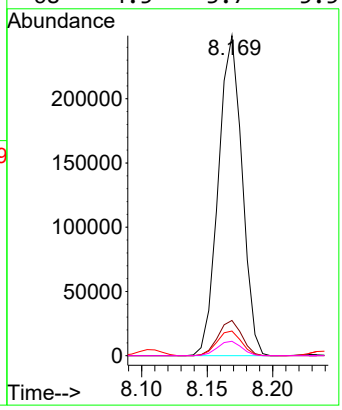


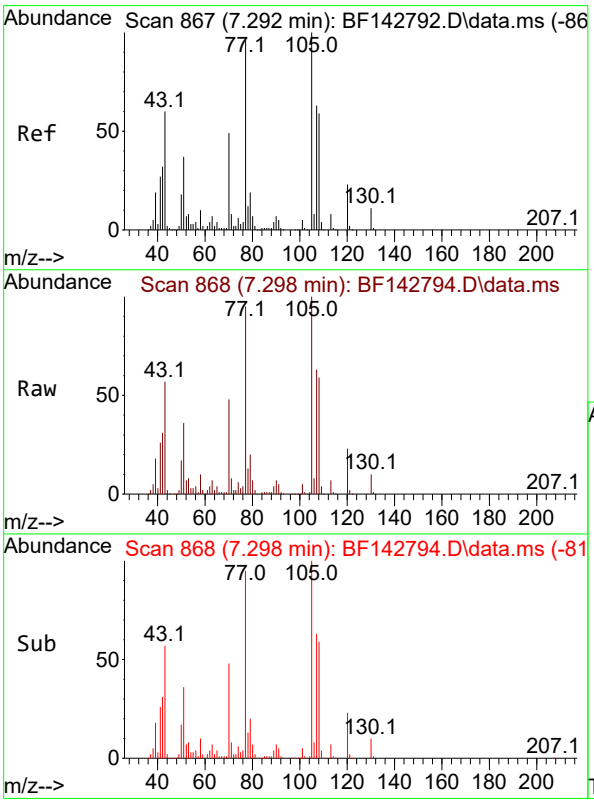

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:136 Resp: 313390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.4 | 12.6 |
| 54 | 7.7 | 6.3 | 9.5 |
| 68 | 4.5 | 3.7 | 5.5 |

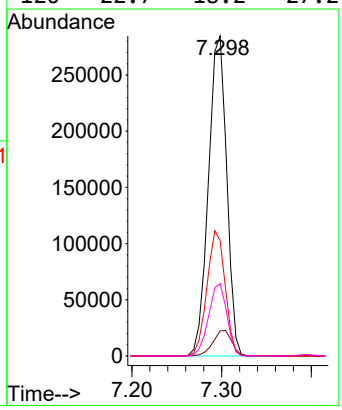


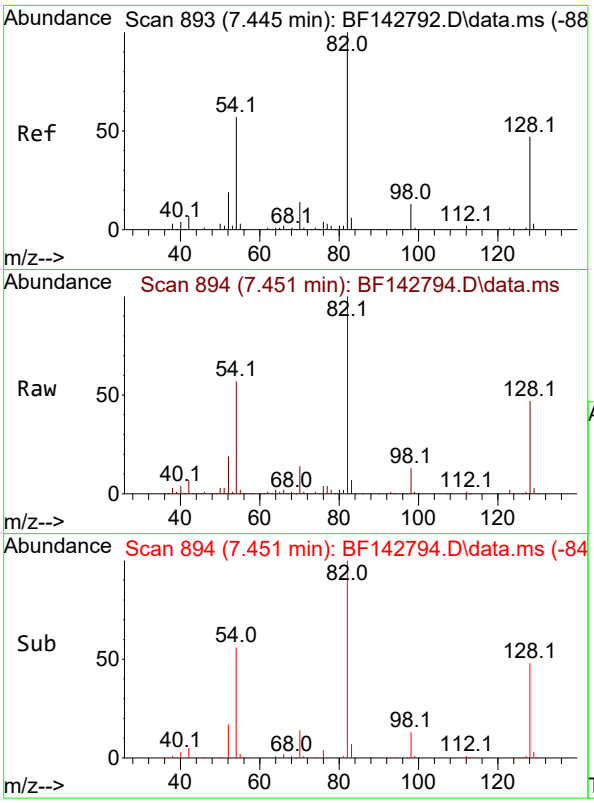




#22
Acetophenone
Concen: 58.063 ng
RT: 7.298 min Scan# 868
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:105 Resp: 402615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.8 | 6.5 | 9.7 |
| 51 | 36.1 | 29.8 | 44.8 |
| 120 | 22.7 | 18.2 | 27.2 |



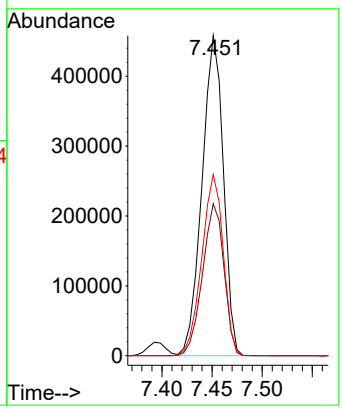


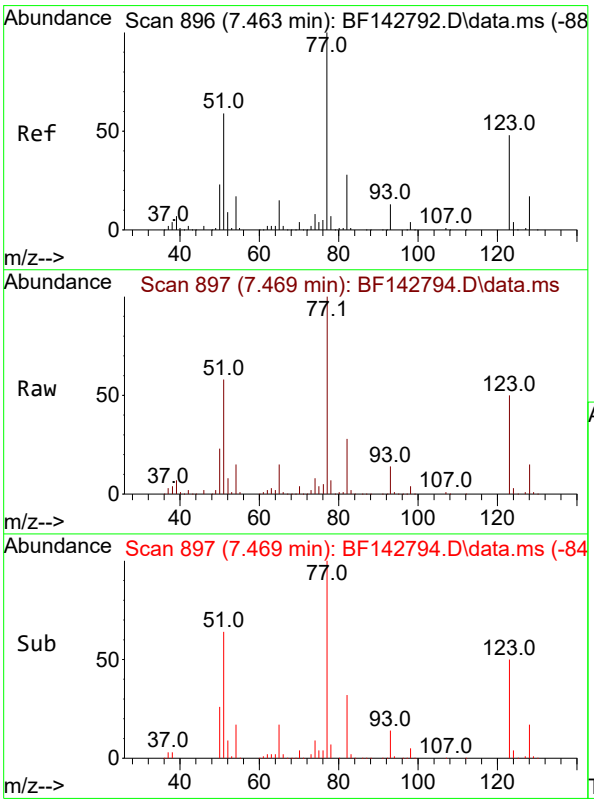

#23
Nitrobenzene-d5
Concen: 119.003 ng
RT: 7.451 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 82 Resp: 680402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.5 | 37.7 | 56.5 |
| 54 | 56.6 | 45.7 | 68.5 |

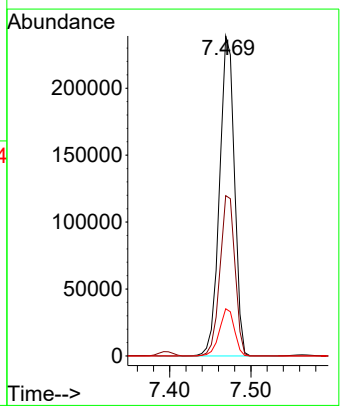


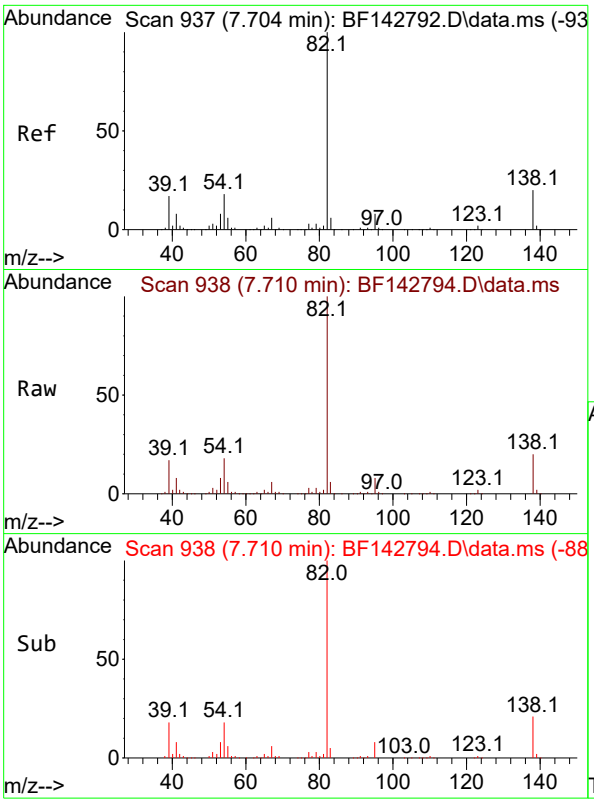




#24
Nitrobenzene
Concen: 60.229 ng
RT: 7.469 min Scan# 897
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 77 Resp: 306032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 50.1 | 39.2 | 58.8 |
| 65 | 14.7 | 11.6 | 17.4 |



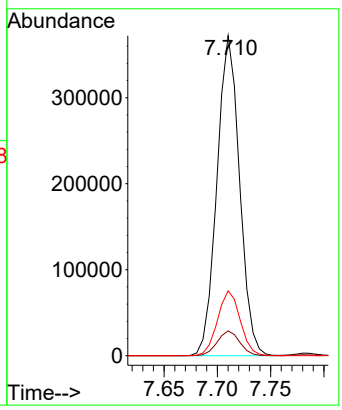


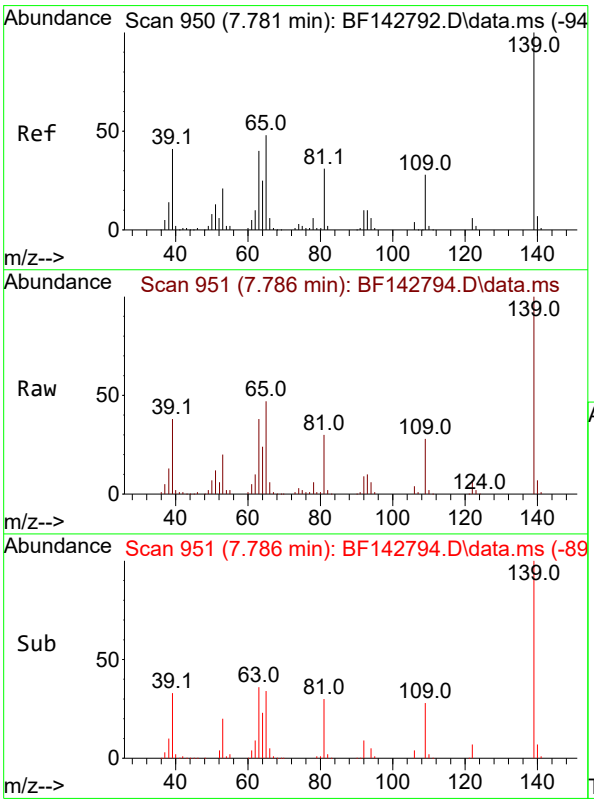

#25
Isophorone
Concen: 57.216 ng
RT: 7.710 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 82 Resp: 548612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.8 | 6.2 | 9.2 |
| 138 | 20.3 | 16.2 | 24.4 |

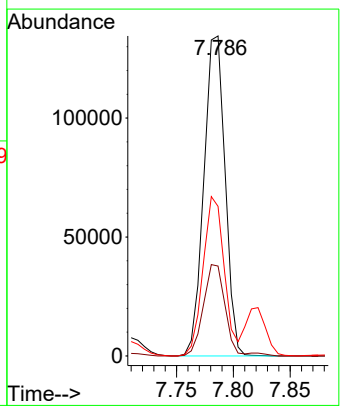


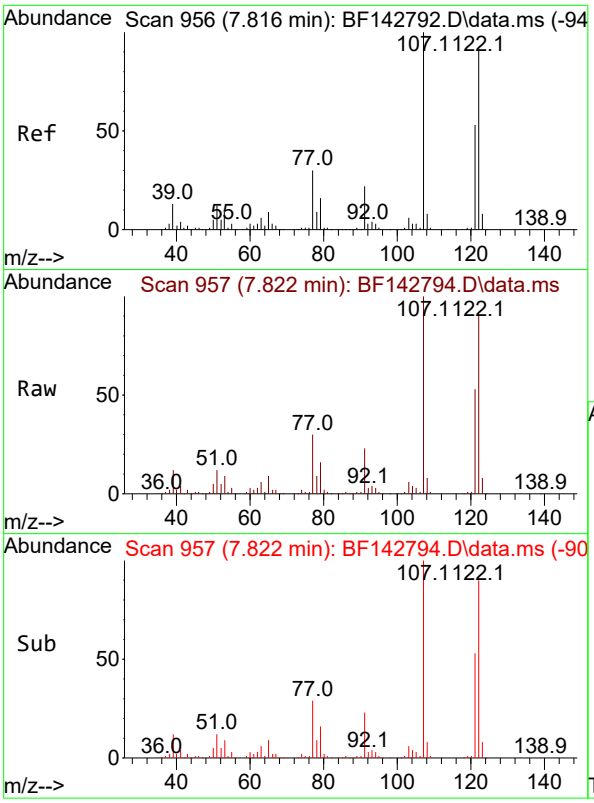




#26
2-Nitrophenol
Concen: 61.836 ng
RT: 7.786 min Scan# 951
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:139 Resp: 175072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 28.1 | 22.7 | 34.1 |
| 65 | 46.8 | 38.6 | 58.0 |



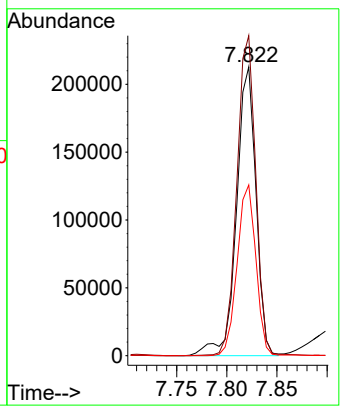


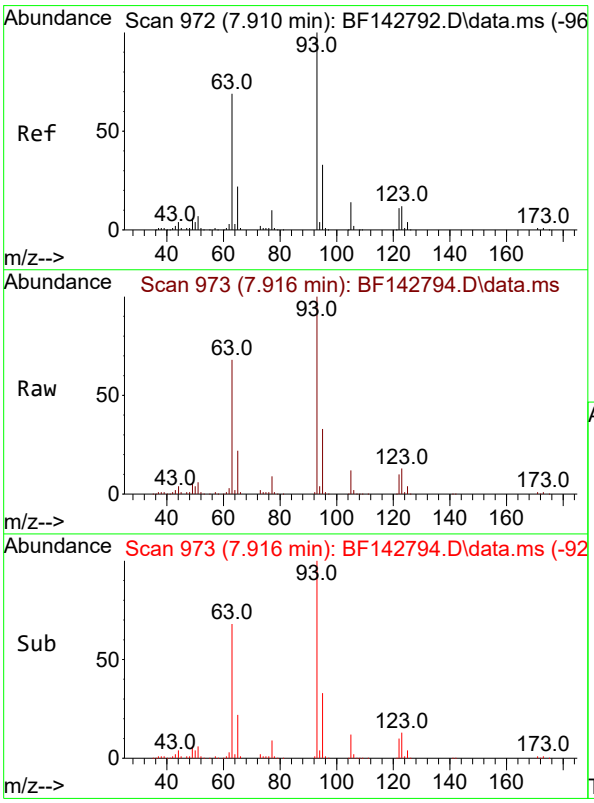

#27
2,4-Dimethylphenol
Concen: 59.859 ng
RT: 7.822 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:122 Resp: 288532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 110.8 | 88.0 | 132.0 |
| 121 | 59.1 | 46.3 | 69.5 |

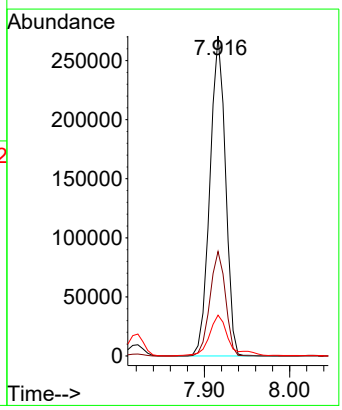


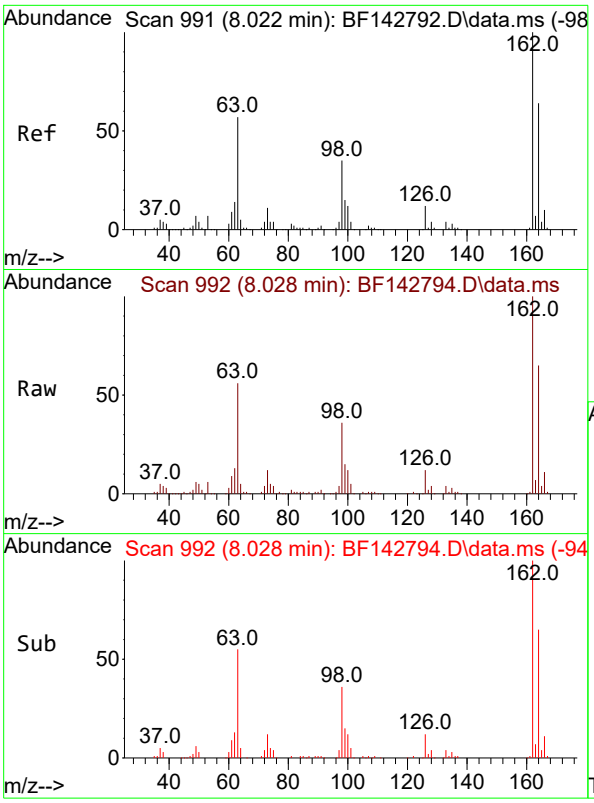




#28
bis(2-Chloroethoxy)methane
Concen: 57.620 ng
RT: 7.916 min Scan# 973
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 93 Resp: 343925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.6 | 26.2 | 39.2 |
| 123 | 12.8 | 9.9 | 14.9 |



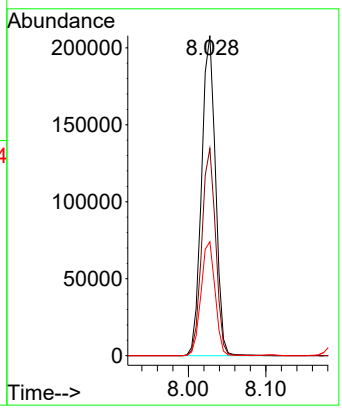


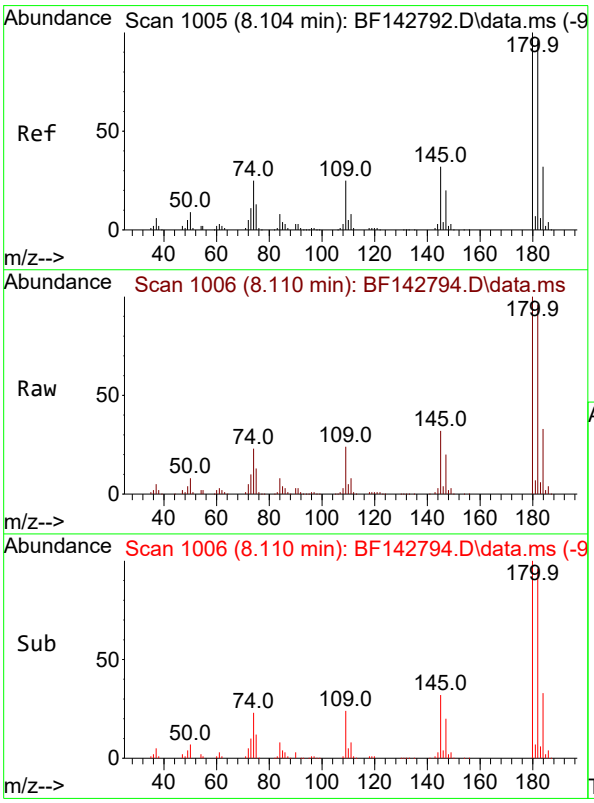

#29
2,4-Dichlorophenol
Concen: 58.574 ng
RT: 8.028 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:162 Resp: 260228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.7 | 44.0 | 84.0 |
| 98 | 35.6 | 15.4 | 55.4 |

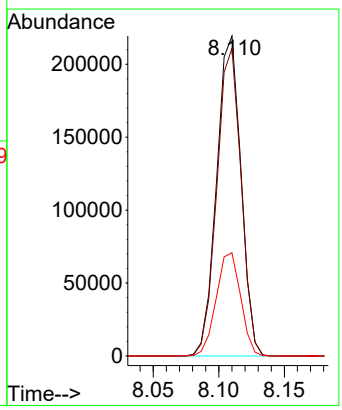


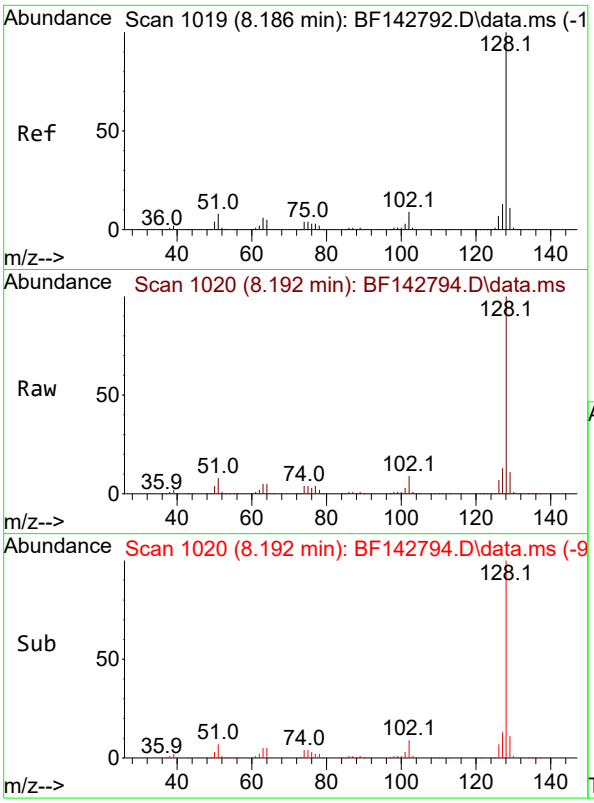




#30
1,2,4-Trichlorobenzene
Concen: 57.608 ng
RT: 8.110 min Scan# 1006
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:180 Resp: 282721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.2 | 76.4 | 114.6 |
| 145 | 32.2 | 25.8 | 38.8 |



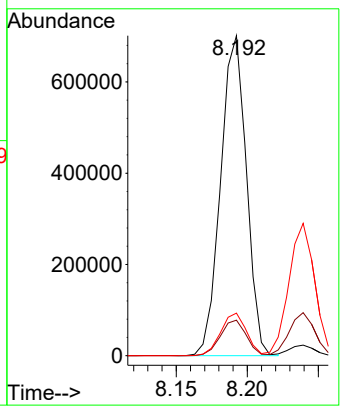


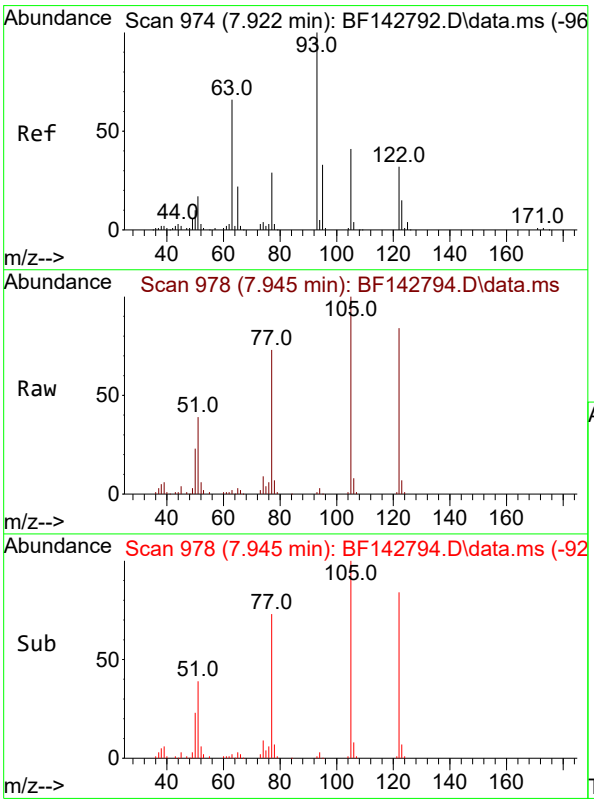

#31
Naphthalene
Concen: 57.524 ng
RT: 8.192 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:128 Resp: 886614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.9 | 13.3 |
| 127 | 13.3 | 10.4 | 15.6 |

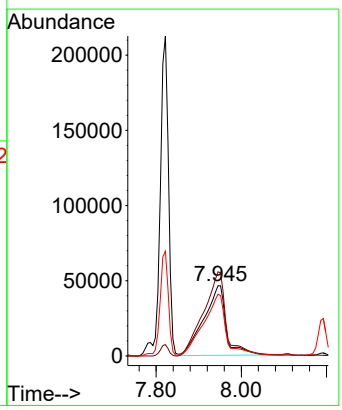


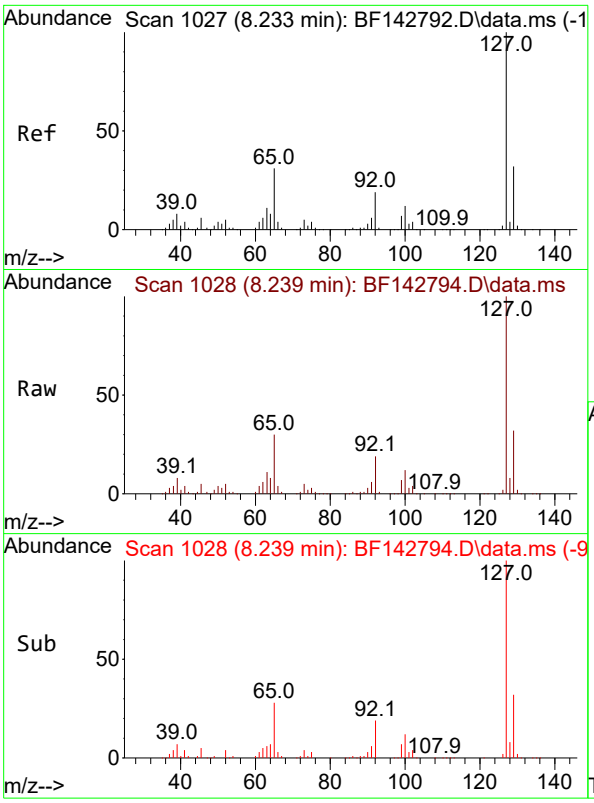




#32
Benzoic acid
Concen: 63.369 ng
RT: 7.945 min Scan# 978
Delta R.T. 0.024 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:122 Resp: 169471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 119.7 | 104.7 | 144.7 |
| 77 | 87.9 | 70.2 | 110.2 |



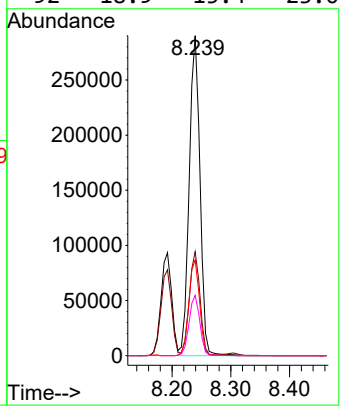


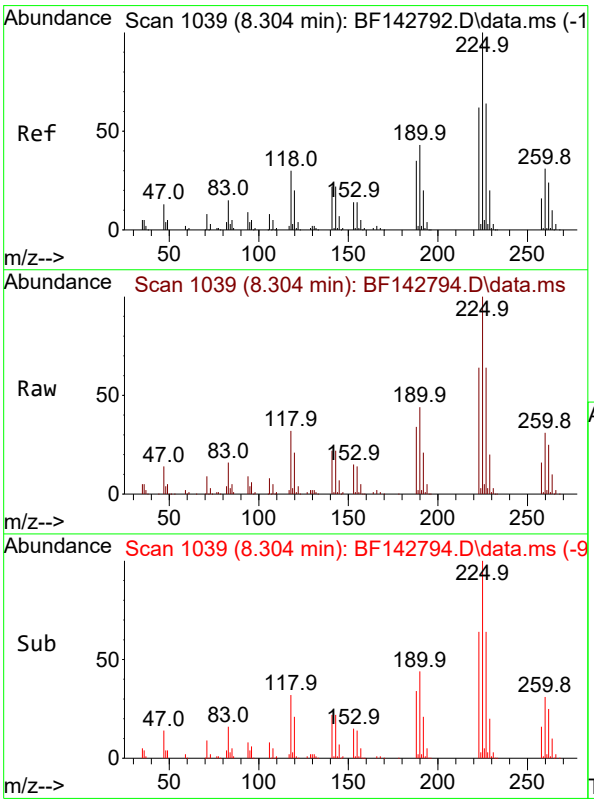

#33
4-Chloroaniline
Concen: 59.887 ng
RT: 8.239 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:127 Resp: 369911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.5 | 25.9 | 38.9 |
| 65 | 29.9 | 24.6 | 36.8 |
| 92 | 18.9 | 15.4 | 23.0 |

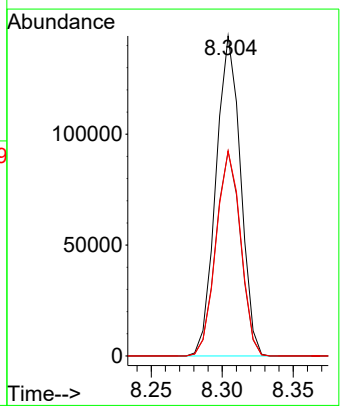


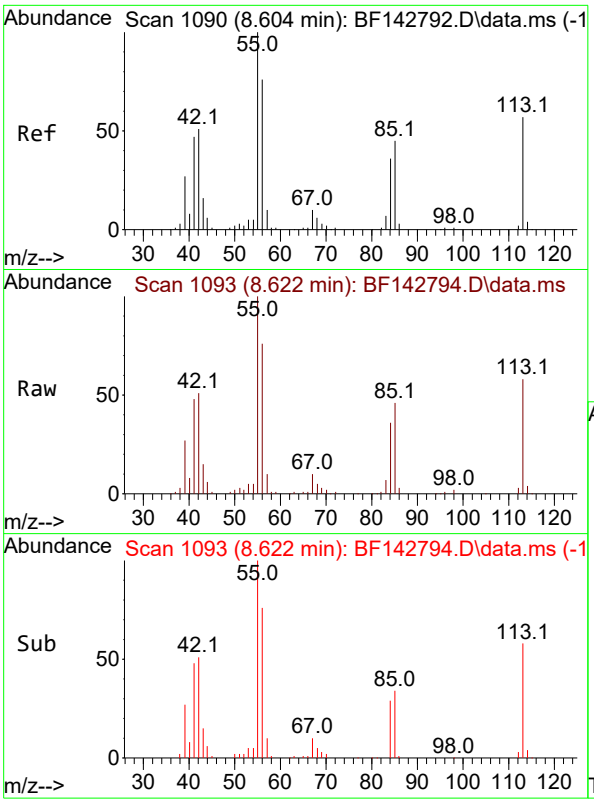




#34
Hexachlorobutadiene
Concen: 55.768 ng
RT: 8.304 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:225 Resp: 173425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.0 | 49.9 | 74.9 |
| 227 | 64.0 | 51.4 | 77.0 |



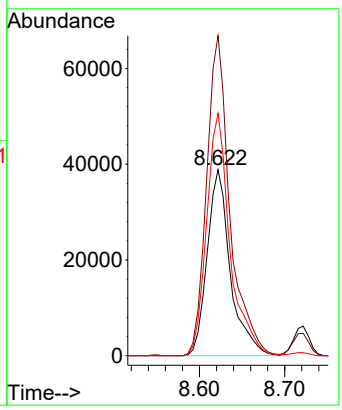


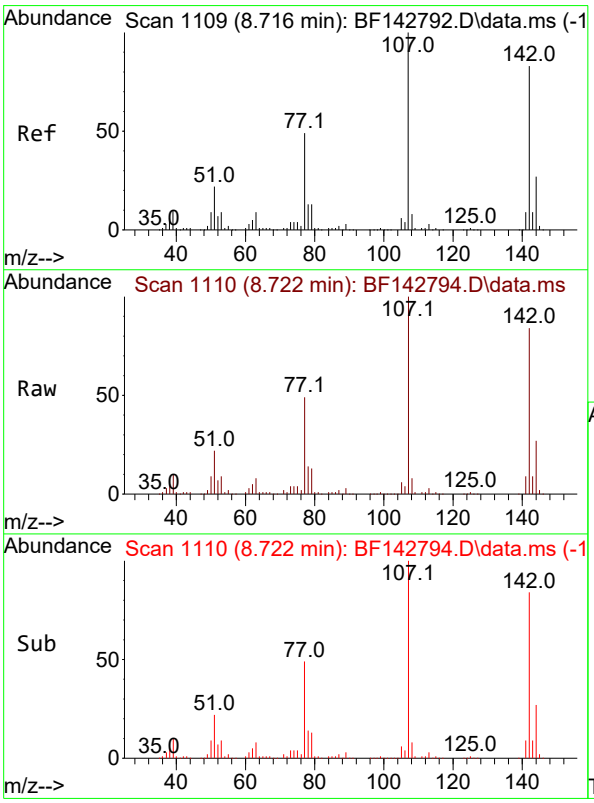

#35
Caprolactam
Concen: 61.157 ng
RT: 8.622 min Scan# 1(
Delta R.T. 0.018 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:113 Resp: 73108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 172.2 | 154.4 | 194.4 |
| 56 | 130.3 | 112.1 | 152.1 |

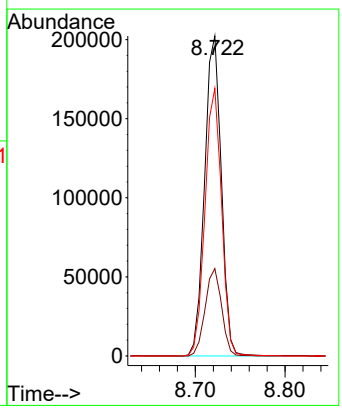


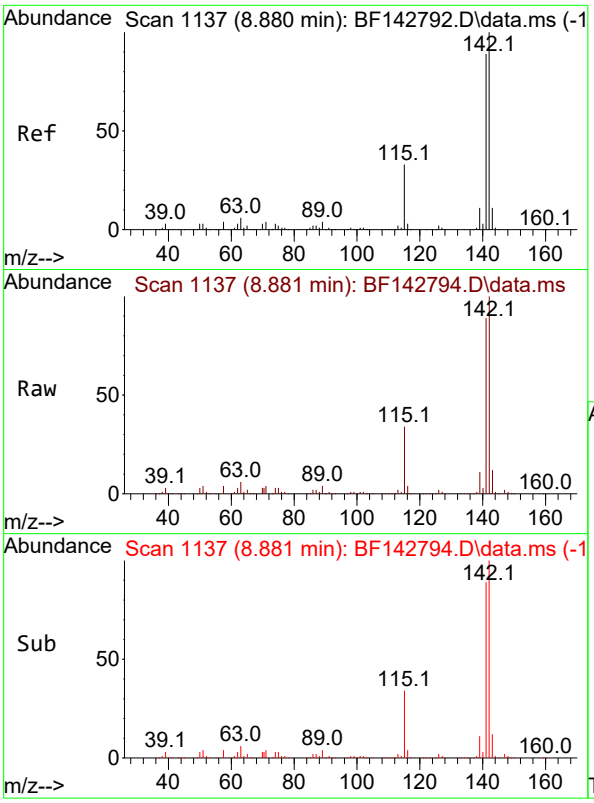




#36
4-Chloro-3-methylphenol
Concen: 56.927 ng
RT: 8.722 min Scan# 1110
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:107 Resp: 261249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 27.3 | 21.3 | 31.9 |
| 142 | 83.6 | 66.6 | 100.0 |



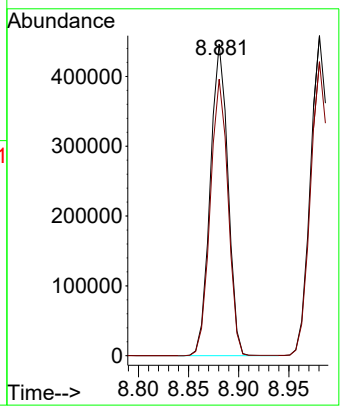


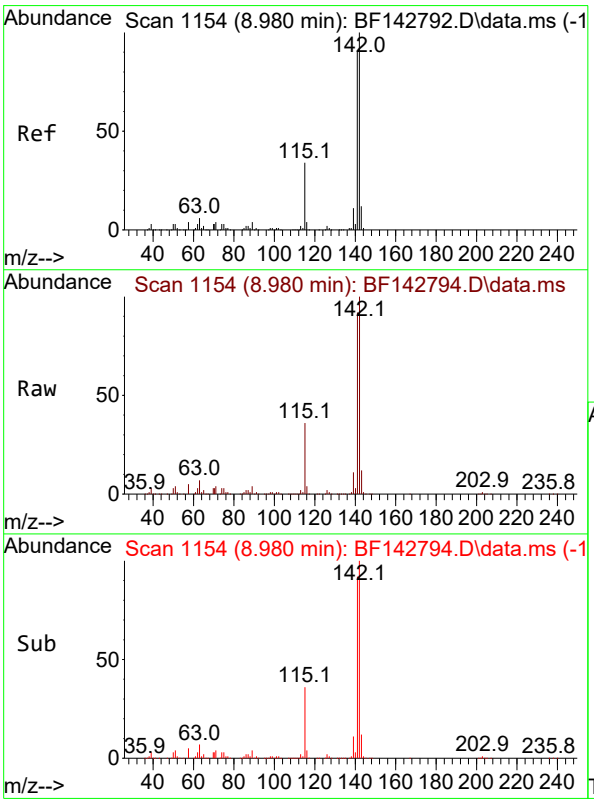

#37
2-Methylnaphthalene
Concen: 56.406 ng
RT: 8.881 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:142 Resp: 548439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.7 | 70.9 | 106.3 |

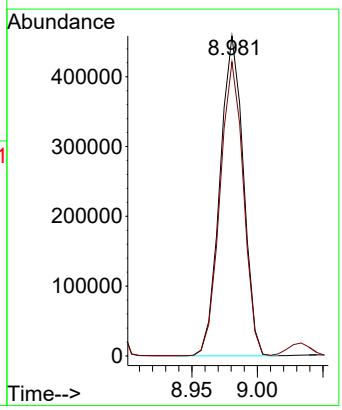


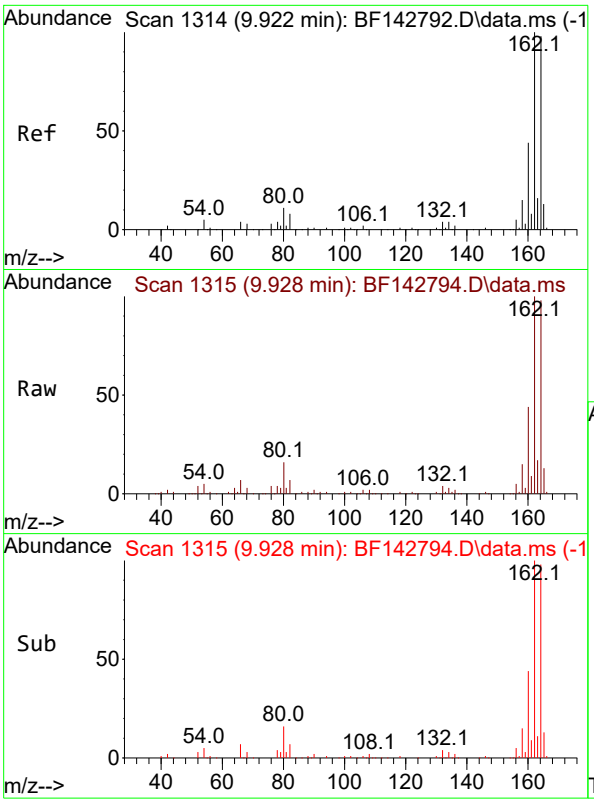




#38
1-Methylnaphthalene
Concen: 56.247 ng
RT: 8.980 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:142 Resp: 567801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.8 | 73.0 | 109.4 |



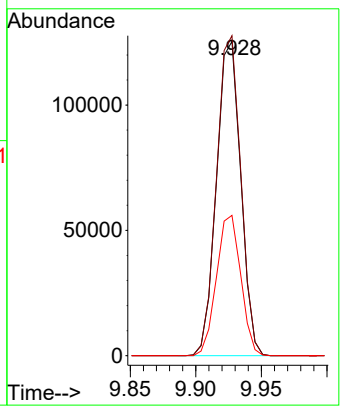


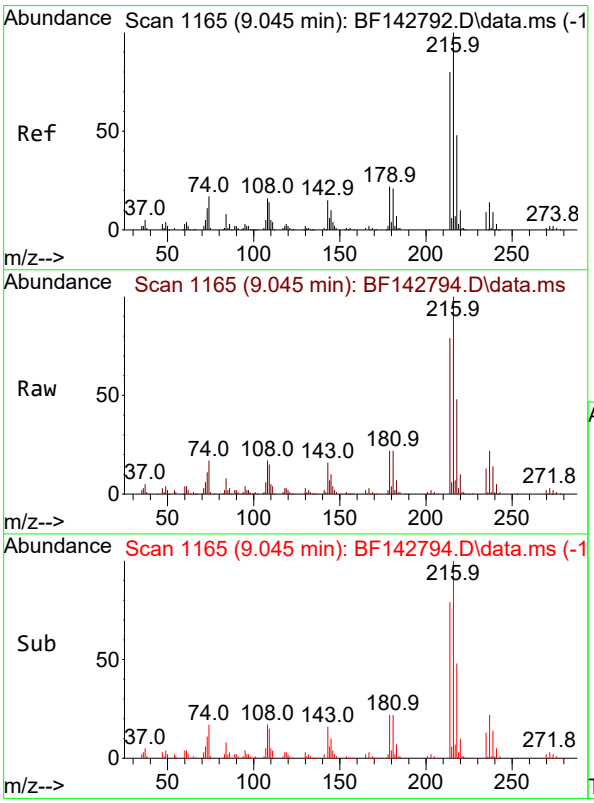

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:164 Resp: 161044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.9 | 81.8 | 122.8 |
| 160 | 44.7 | 36.0 | 54.0 |

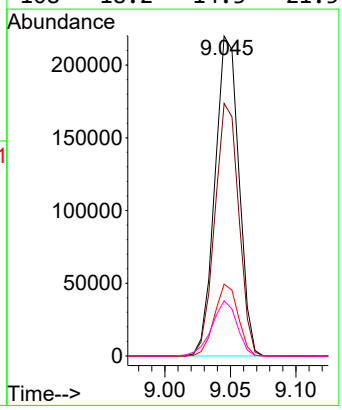


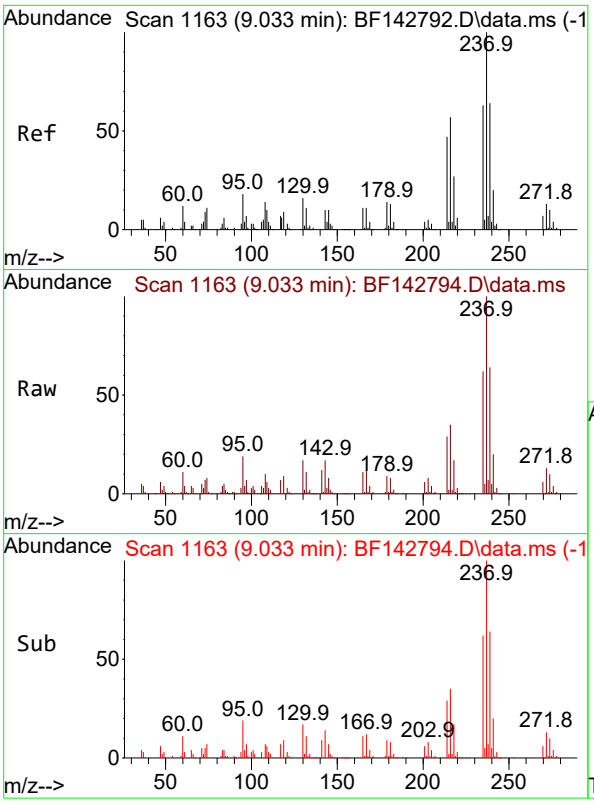




#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.918 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:216 Resp: 278551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.8 | 63.7 | 95.5 |
| 179 | 22.1 | 17.6 | 26.4 |
| 108 | 18.2 | 14.3 | 21.5 |



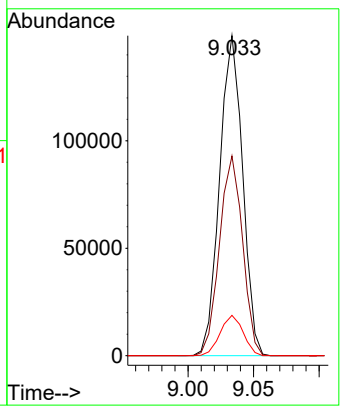


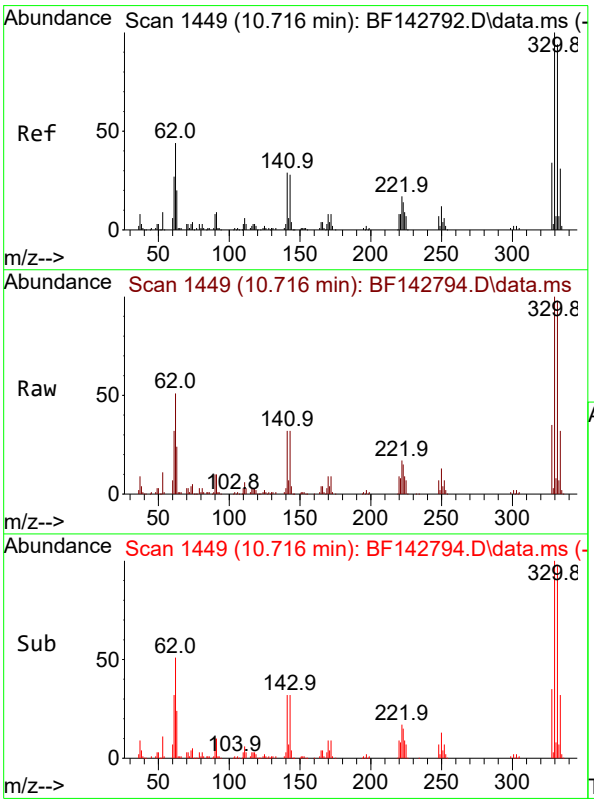

#41
Hexachlorocyclopentadiene
Concen: 61.835 ng
RT: 9.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:237 Resp: 181771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.4 | 43.4 | 83.4 |
| 272 | 12.6 | 0.0 | 32.7 |

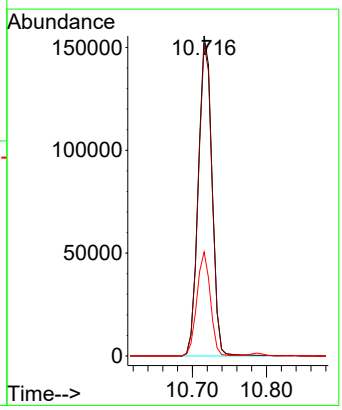


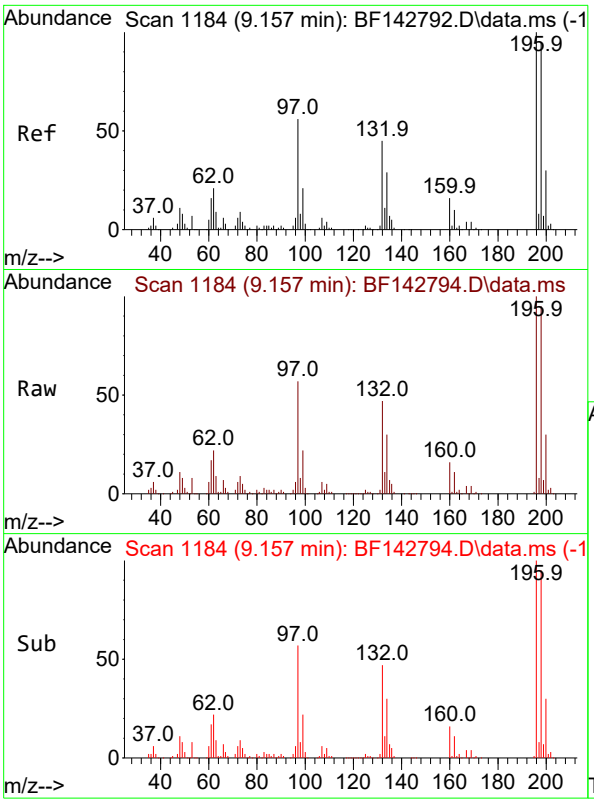




#42
2,4,6-Tribromophenol
Concen: 113.541 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:330 Resp: 198721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.3 | 75.0 | 112.6 |
| 141 | 32.0 | 25.3 | 37.9 |



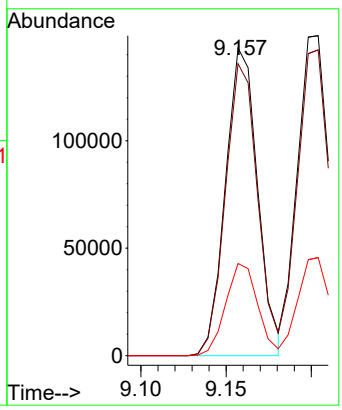


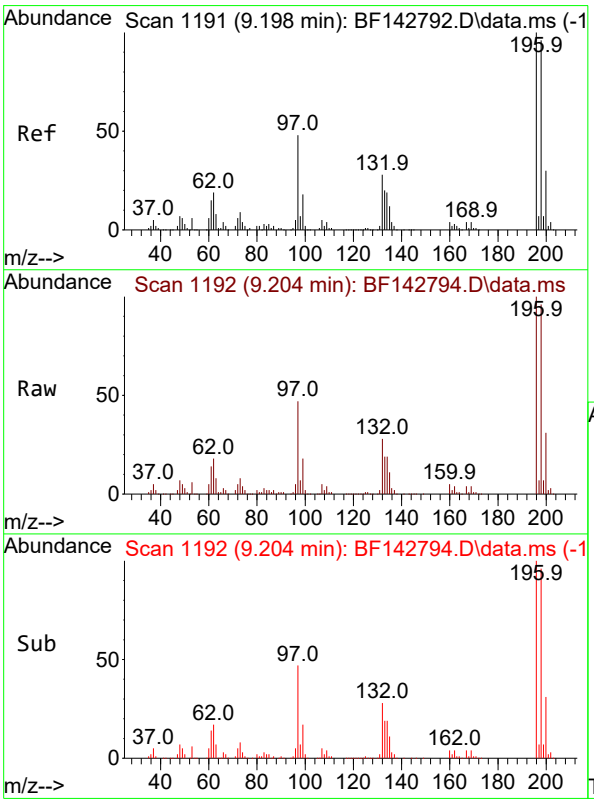

#43
2,4,6-Trichlorophenol
Concen: 62.392 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:196 Resp: 187708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.9 | 76.2 | 114.2 |
| 200 | 29.9 | 24.1 | 36.1 |

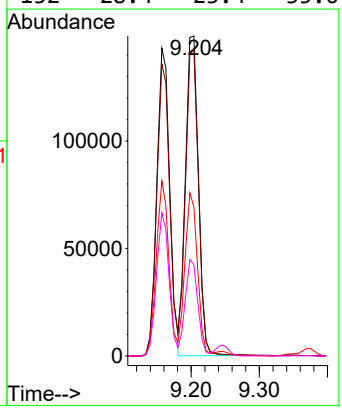


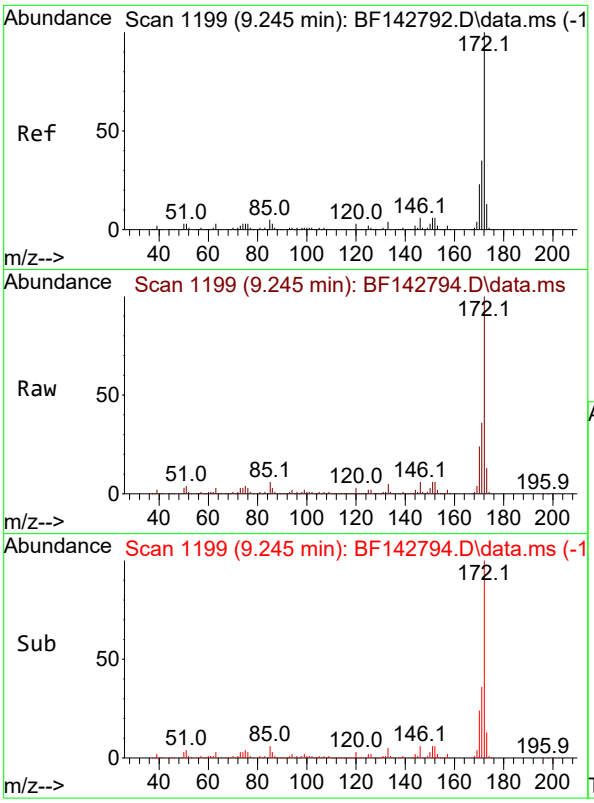




#44
2,4,5-Trichlorophenol
Concen: 60.565 ng
RT: 9.204 min Scan# 1192
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:196 Resp: 196769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.6 | 76.6 | 115.0 |
| 97 | 46.6 | 38.2 | 57.2 |
| 132 | 28.4 | 23.4 | 35.0 |



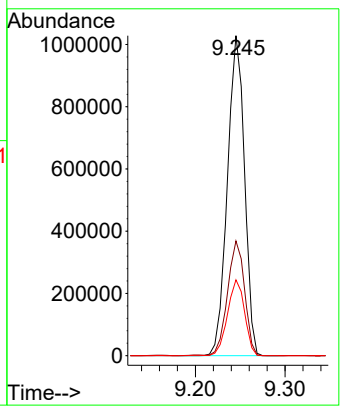


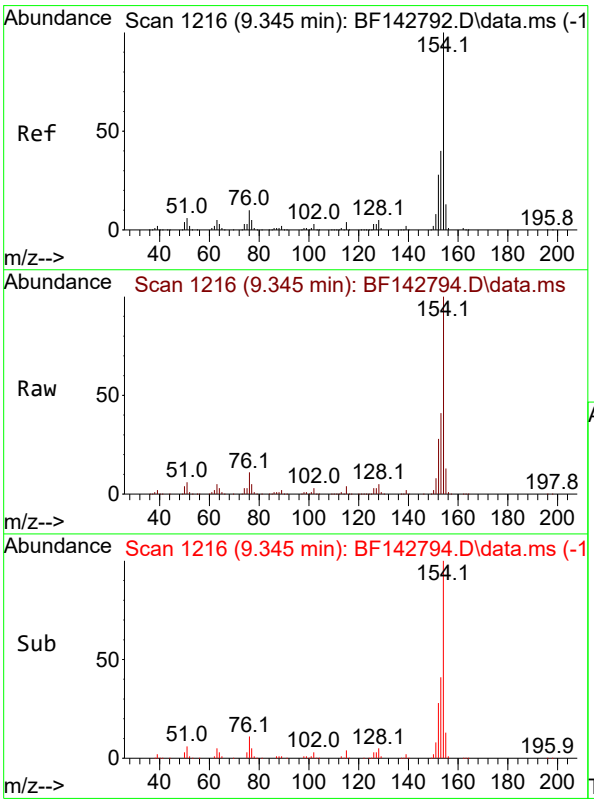

#45
2-Fluorobiphenyl
Concen: 112.392 ng
RT: 9.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:172 Resp: 1360586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 28.2 | 42.4 |
| 170 | 23.7 | 18.5 | 27.7 |

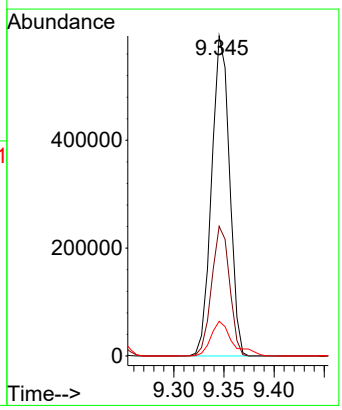


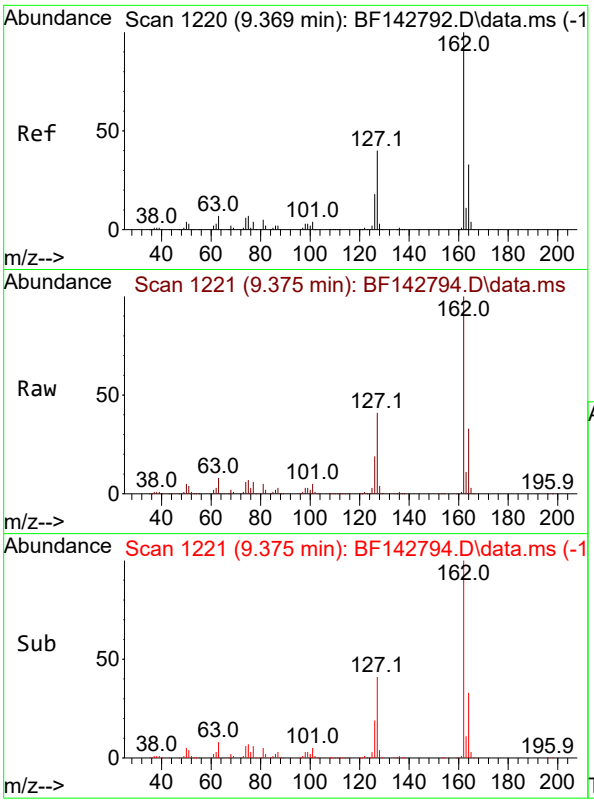




#46
1,1'-Biphenyl
Concen: 58.937 ng
RT: 9.345 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:154 Resp: 736970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.5 | 20.3 | 60.3 |
| 76 | 10.9 | 0.0 | 30.3 |



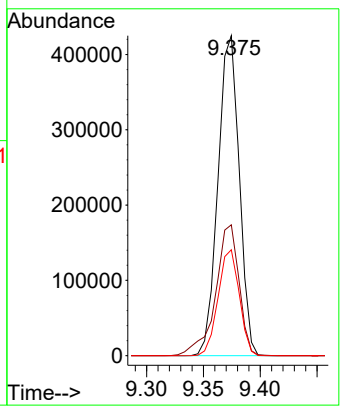


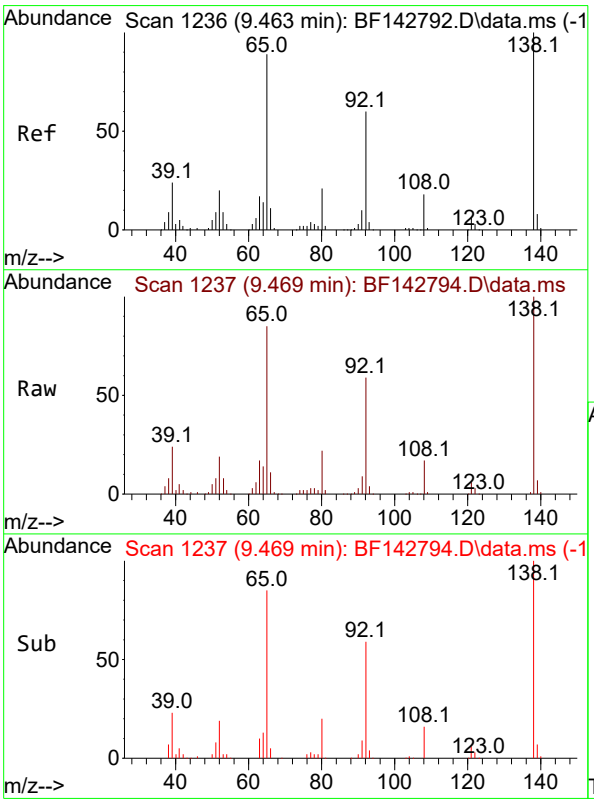

#47
2-Chloronaphthalene
Concen: 59.966 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:162 Resp: 553304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 40.9 | 32.2 | 48.2 |
| 164 | 33.1 | 26.1 | 39.1 |

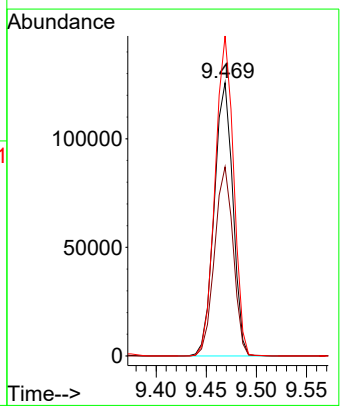


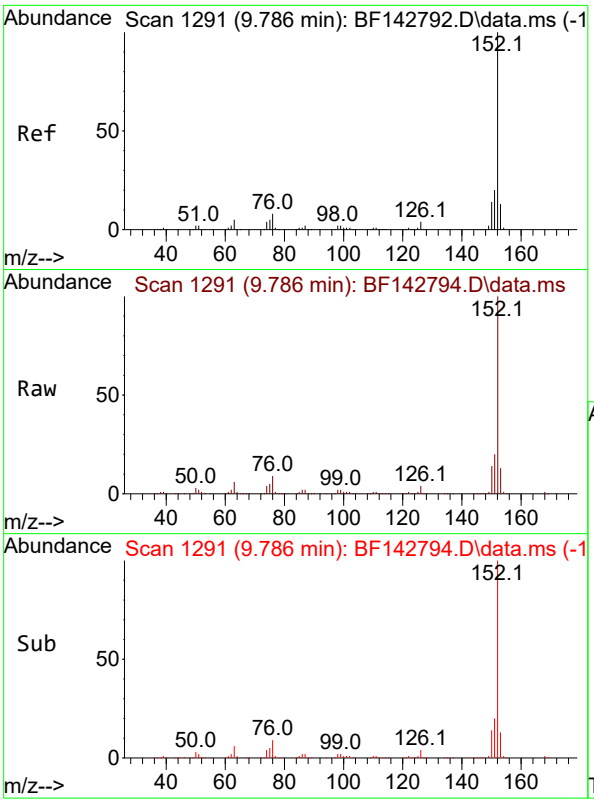




#48
2-Nitroaniline
Concen: 62.067 ng
RT: 9.469 min Scan# 1237
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 65 Resp: 162701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 69.2 | 53.8 | 80.6 |
| 138 | 117.1 | 89.6 | 134.4 |



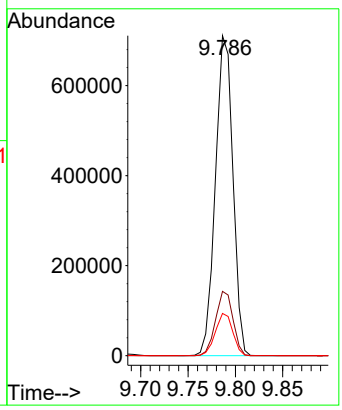


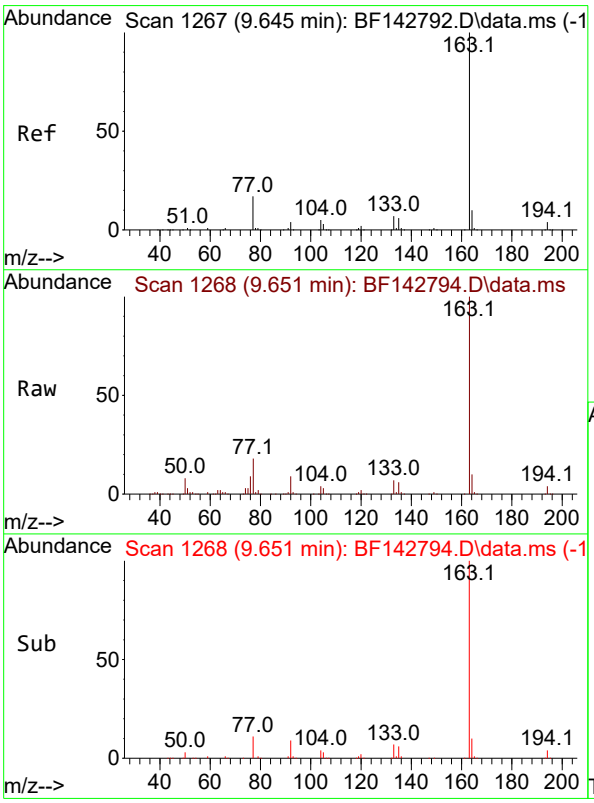

#49
Acenaphthylene
Concen: 58.892 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:152 Resp: 913540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.1 | 24.1 |
| 153 | 13.2 | 10.4 | 15.6 |

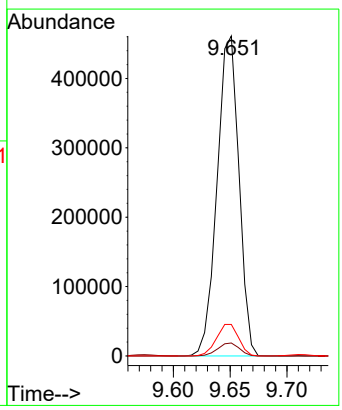


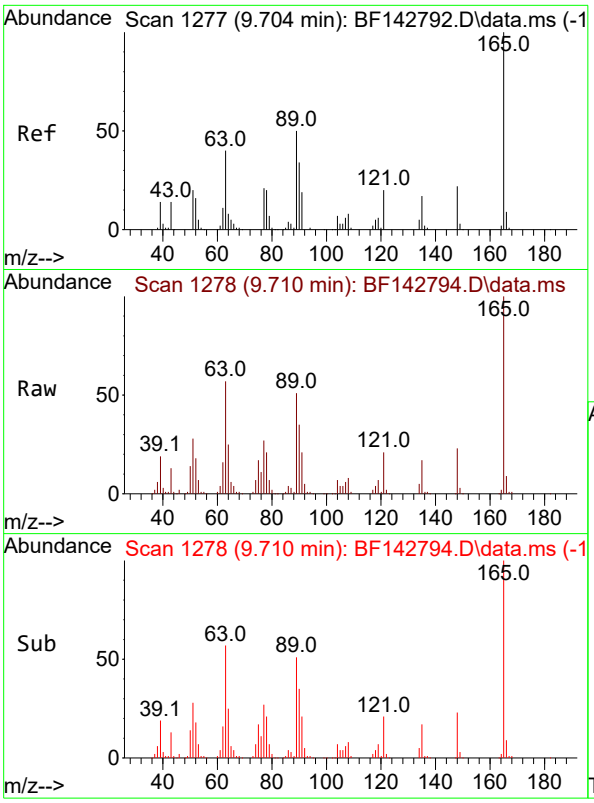




#50
Dimethylphthalate
Concen: 57.767 ng
RT: 9.651 min Scan# 1268
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:163 Resp: 617097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.3 | 4.9 |
| 164 | 9.9 | 8.0 | 12.0 |



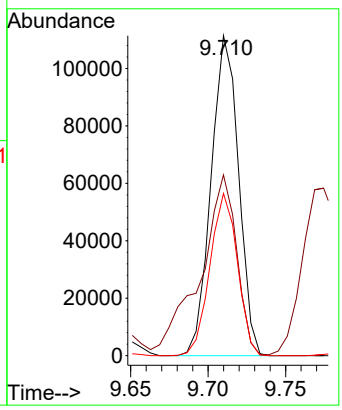


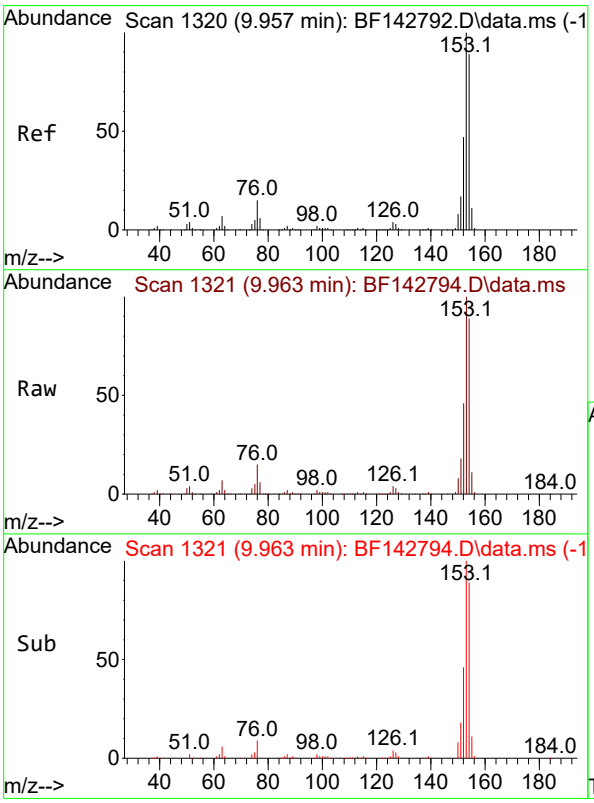

#51
2,6-Dinitrotoluene
Concen: 59.299 ng
RT: 9.710 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:165 Resp: 137318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 56.5 | 44.2 | 66.4 |
| 89 | 50.7 | 39.8 | 59.8 |

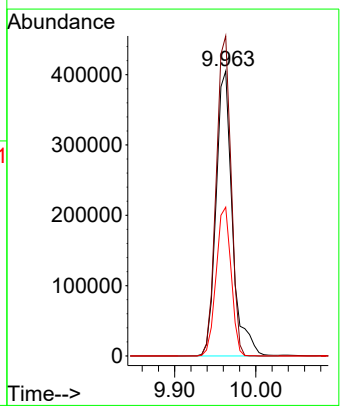


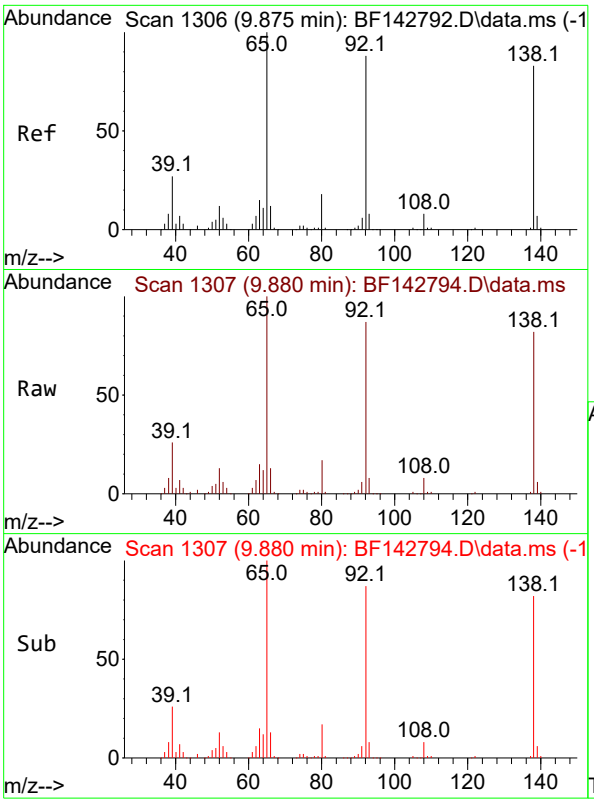




#52
Acenaphthene
Concen: 58.980 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:154 Resp: 566138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.4 | 90.0 | 135.0 |
| 152 | 52.2 | 41.9 | 62.9 |



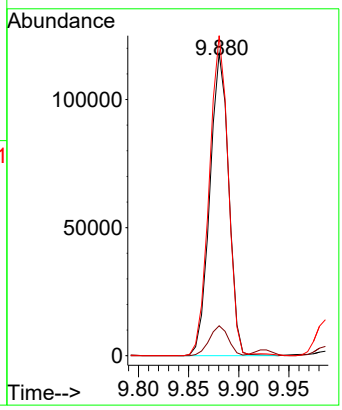


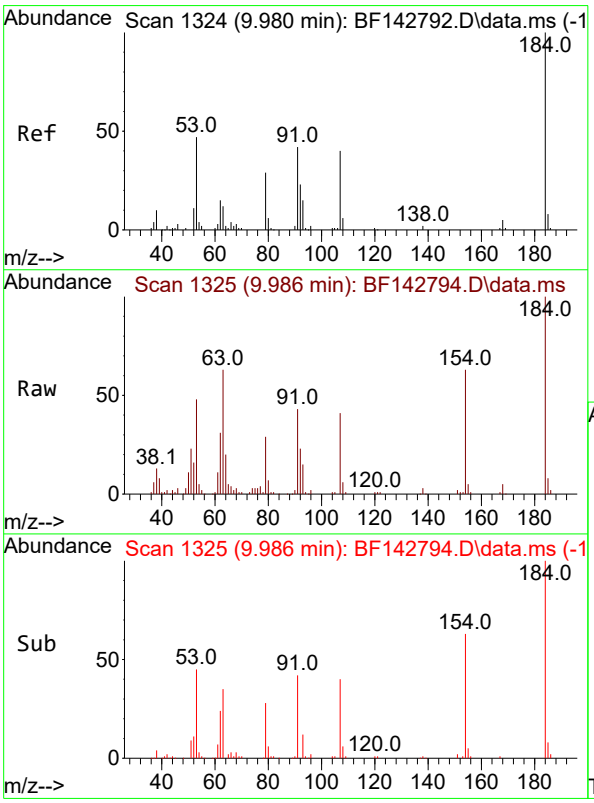

#53
3-Nitroaniline
Concen: 61.386 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:138 Resp: 154402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 9.9 | 8.1 | 12.1 |
| 92 | 105.7 | 85.1 | 127.7 |

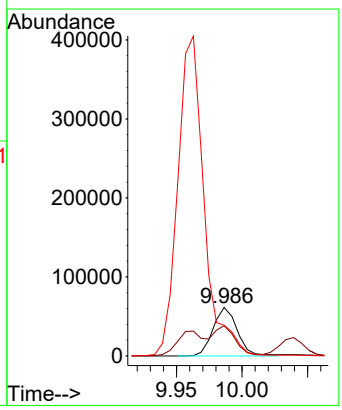


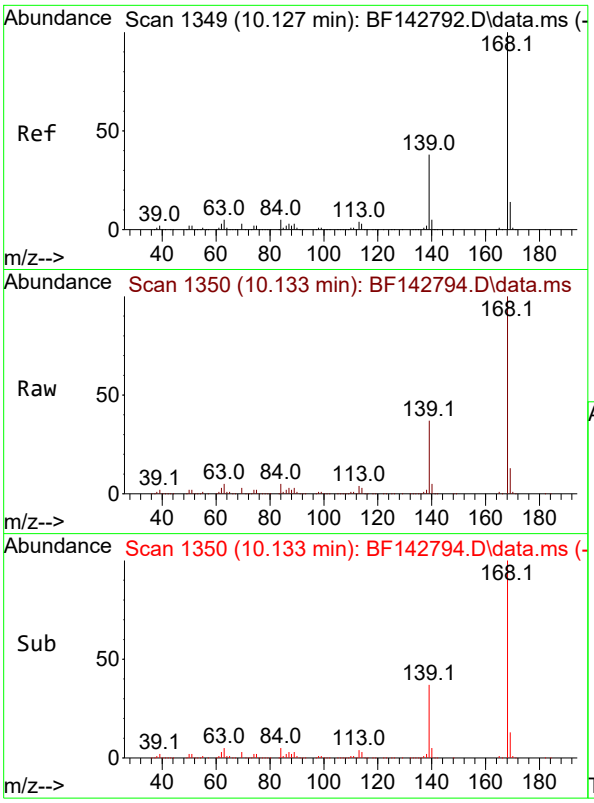




#54
2,4-Dinitrophenol
Concen: 62.843 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:184 Resp: 78750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 62.6 | 50.6 | 75.8 |
| 154 | 63.4 | 51.8 | 77.8 |



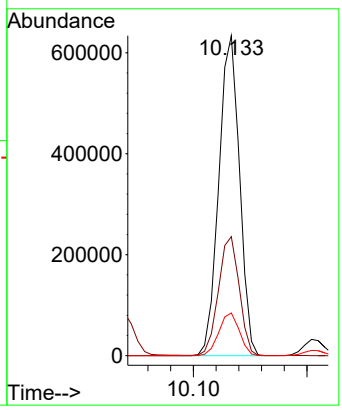


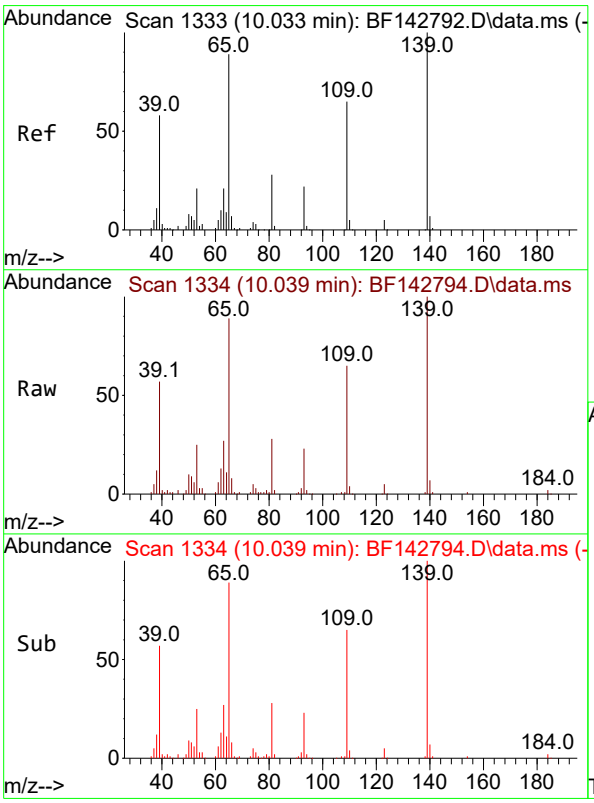

#55
Dibenzofuran
Concen: 58.567 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:168 Resp: 802087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.2 | 30.2 | 45.4 |
| 169 | 13.3 | 10.8 | 16.2 |

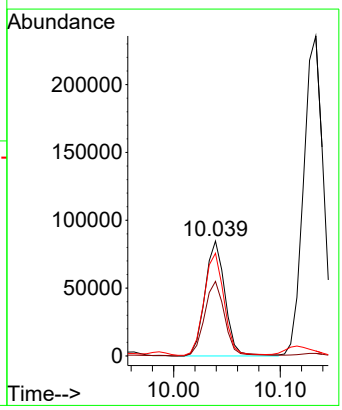


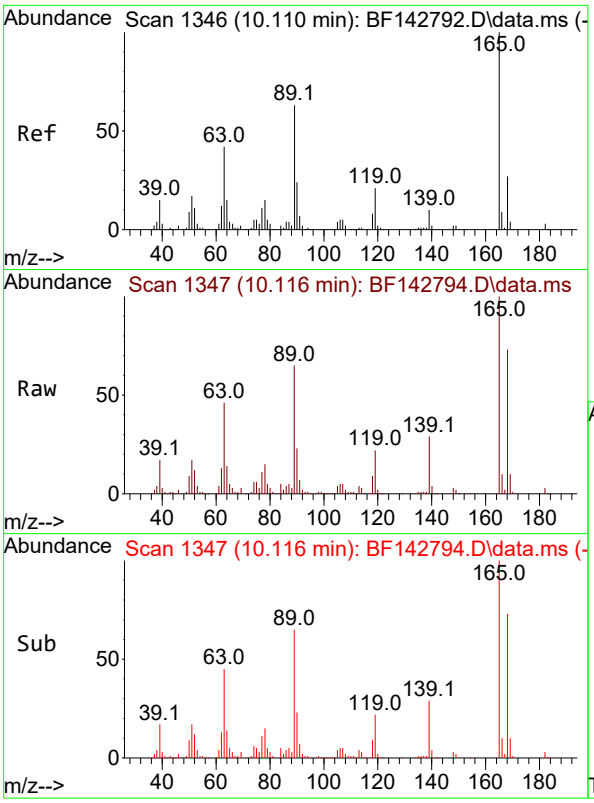




#56
4-Nitrophenol
Concen: 64.811 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:139 Resp: 110658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 64.8 | 44.7 | 84.7 |
| 65 | 89.3 | 69.8 | 109.8 |



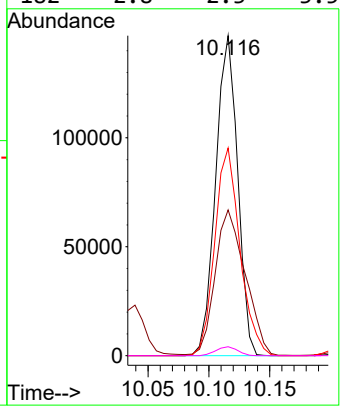


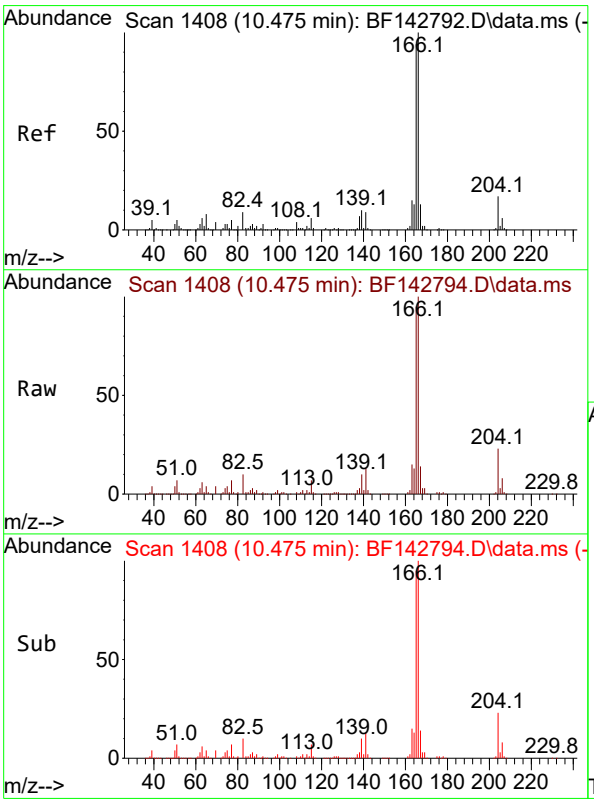

#57
2,4-Dinitrotoluene
Concen: 60.367 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:165 Resp: 184840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 45.6 | 33.9 | 50.9 |
| 89 | 64.9 | 50.6 | 75.8 |
| 182 | 2.8 | 2.3 | 3.5 |

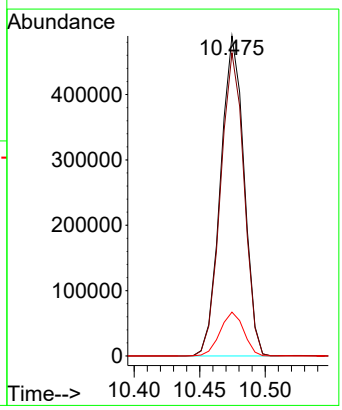


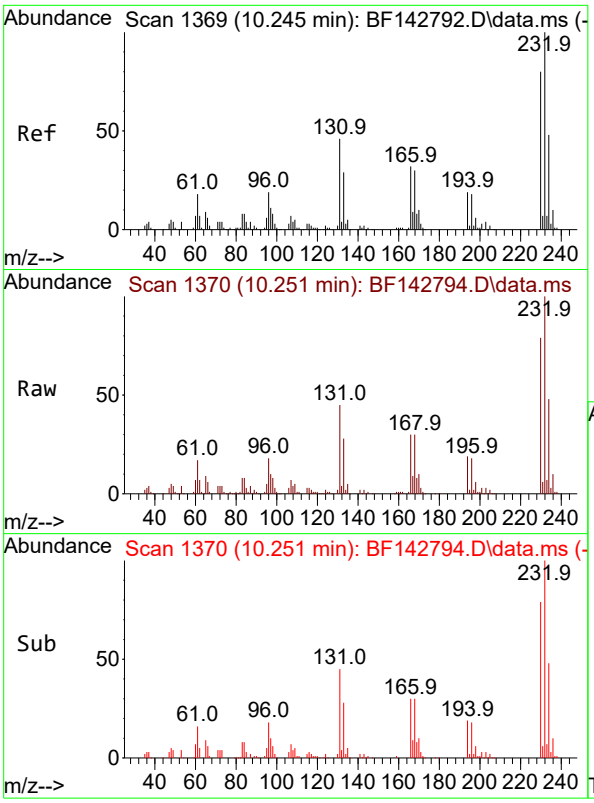




#58
Fluorene
Concen: 56.322 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:166 Resp: 608786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 94.7 | 75.2 | 112.8 |
| 167 | 13.7 | 10.6 | 15.8 |



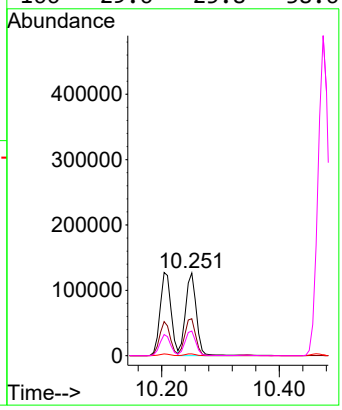


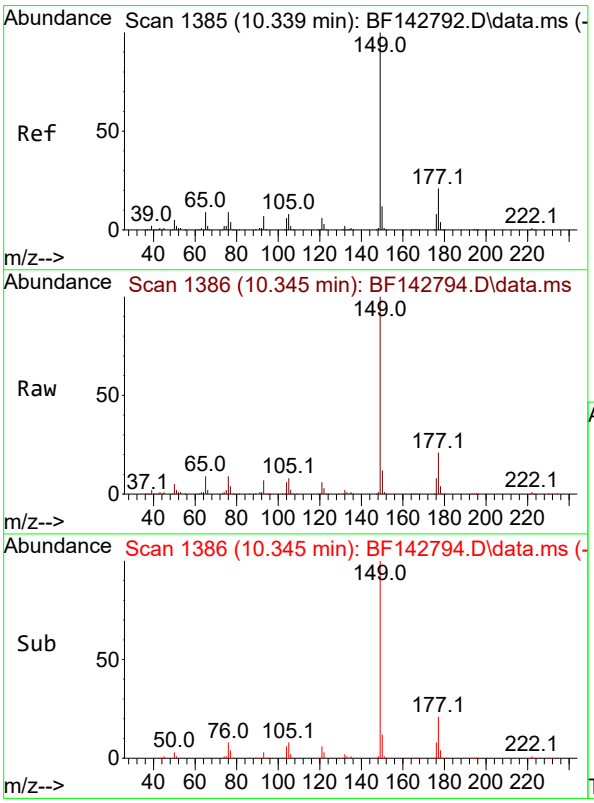

#59
2,3,4,6-Tetrachlorophenol
Concen: 58.739 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:232 Resp: 159997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.6 | 37.6 | 56.4 |
| 130 | 2.2 | 1.7 | 2.5 |
| 166 | 29.6 | 25.8 | 38.6 |

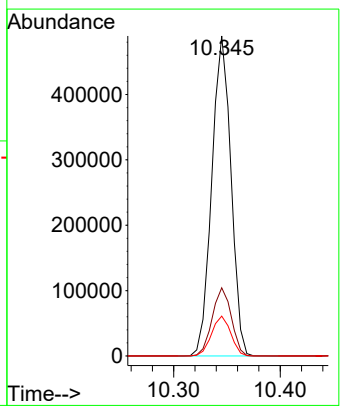


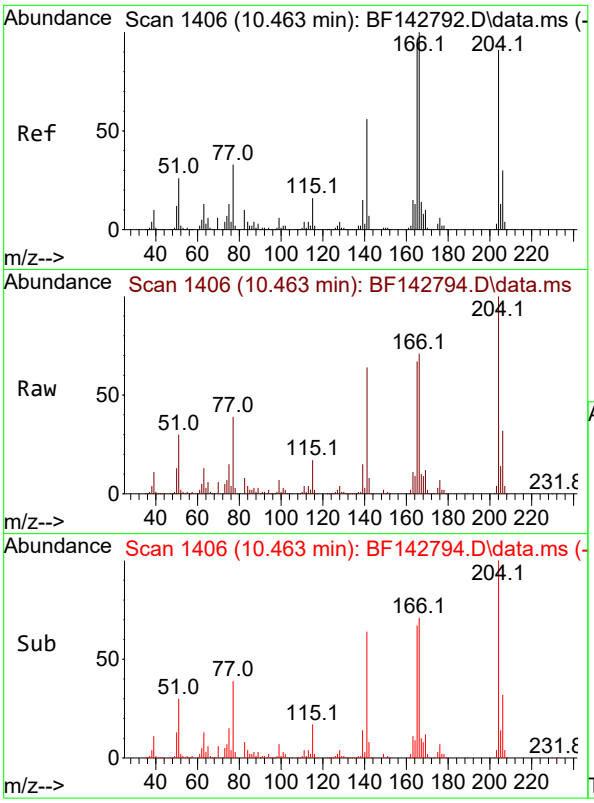




#60
Diethylphthalate
Concen: 57.662 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:149 Resp: 611873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.3 | 17.0 | 25.6 |
| 150 | 12.5 | 9.8 | 14.6 |



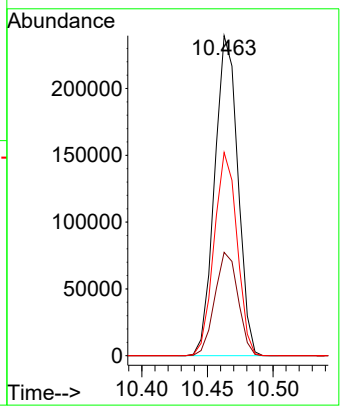


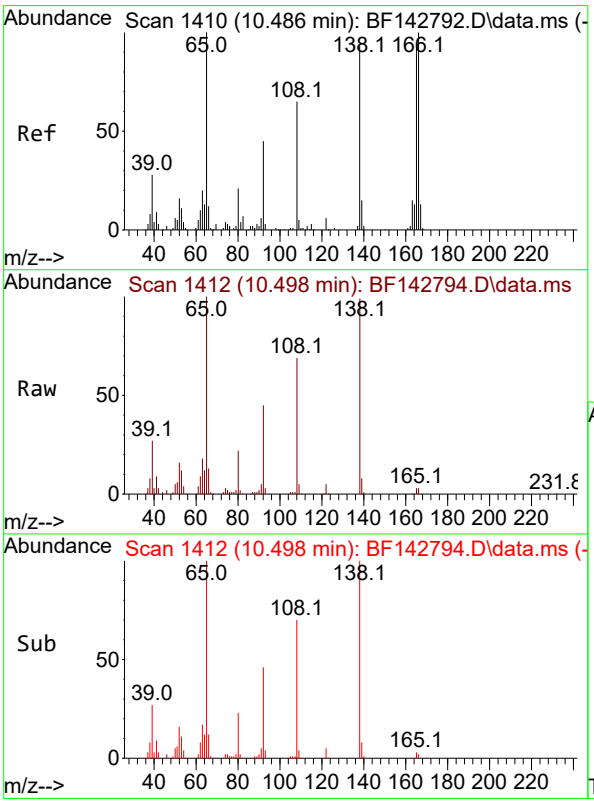

#61
4-Chlorophenyl-phenylether
Concen: 56.089 ng
RT: 10.463 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:204 Resp: 294444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.3 | 26.3 | 39.5 |
| 141 | 63.5 | 49.1 | 73.7 |

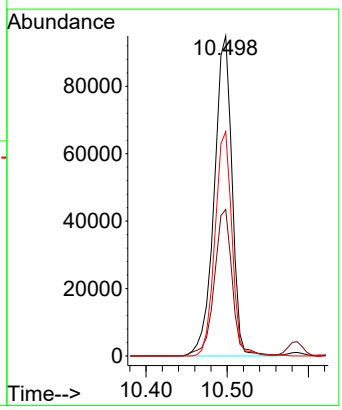


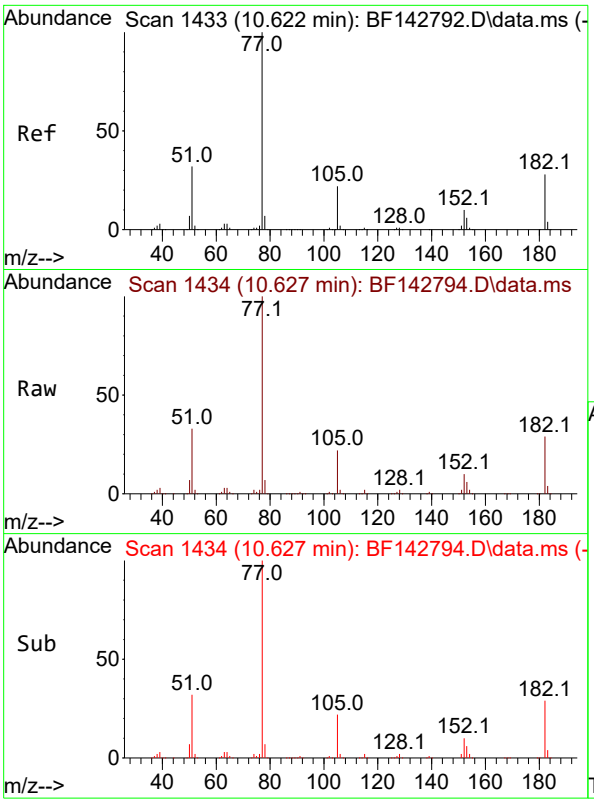




#62
4-Nitroaniline
Concen: 64.135 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.012 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:138 Resp: 144821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 45.7 | 28.4 | 68.4 |
| 108 | 70.1 | 50.2 | 90.2 |



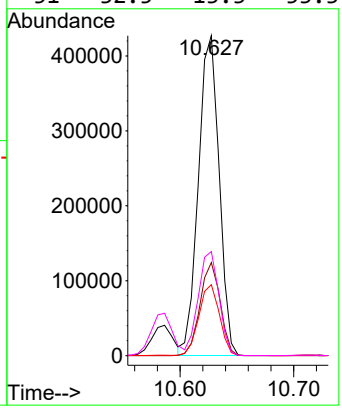


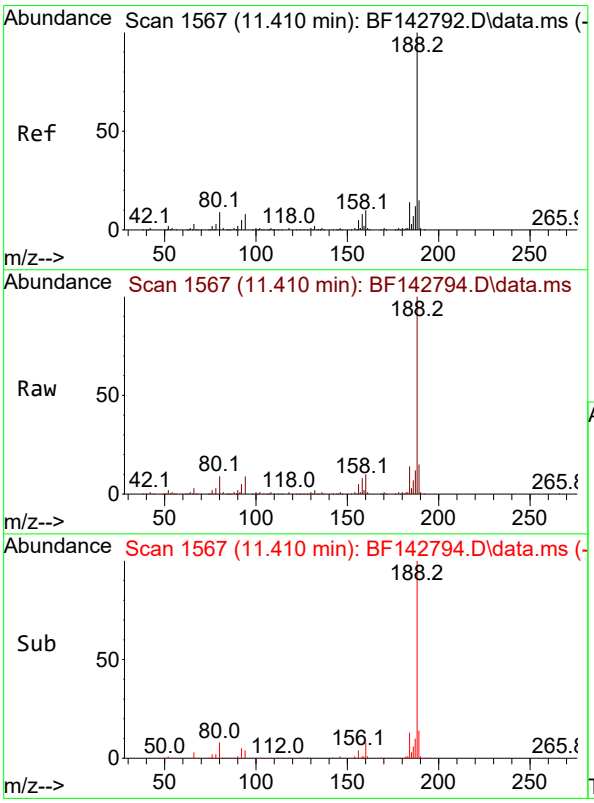

#63
Azobenzene
Concen: 58.460 ng
RT: 10.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 77 Resp: 542118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 29.1 | 7.7 | 47.7 |
| 105 | 22.2 | 1.9 | 41.9 |
| 51 | 32.5 | 13.3 | 53.3 |

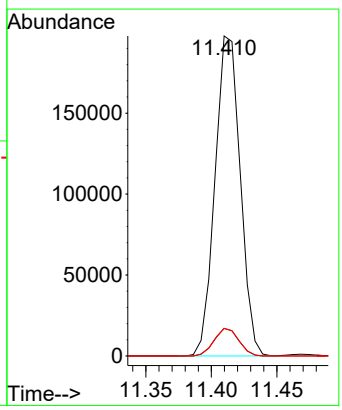


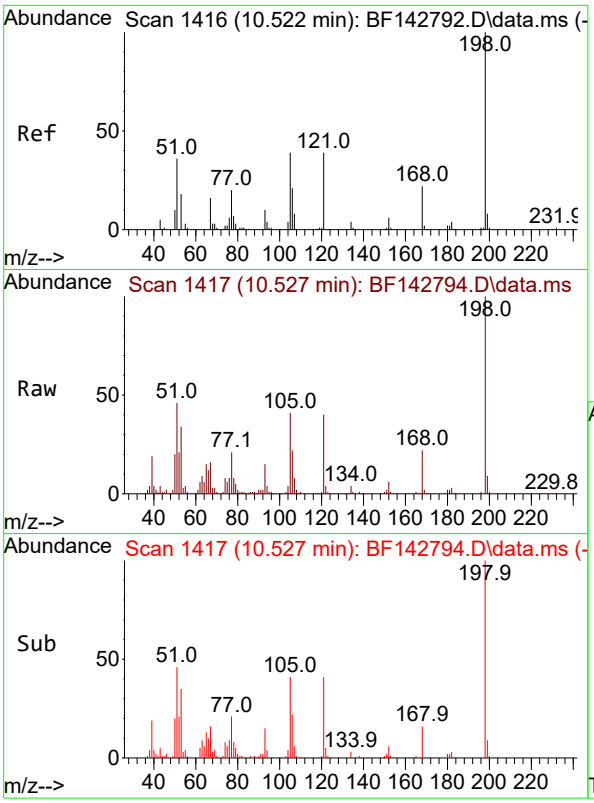




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:188 Resp: 264336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.6 | 6.7 | 10.1 |
| 80 | 8.6 | 6.9 | 10.3 |



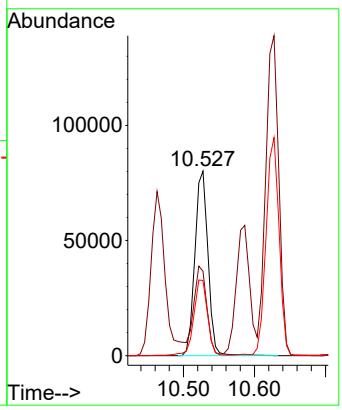


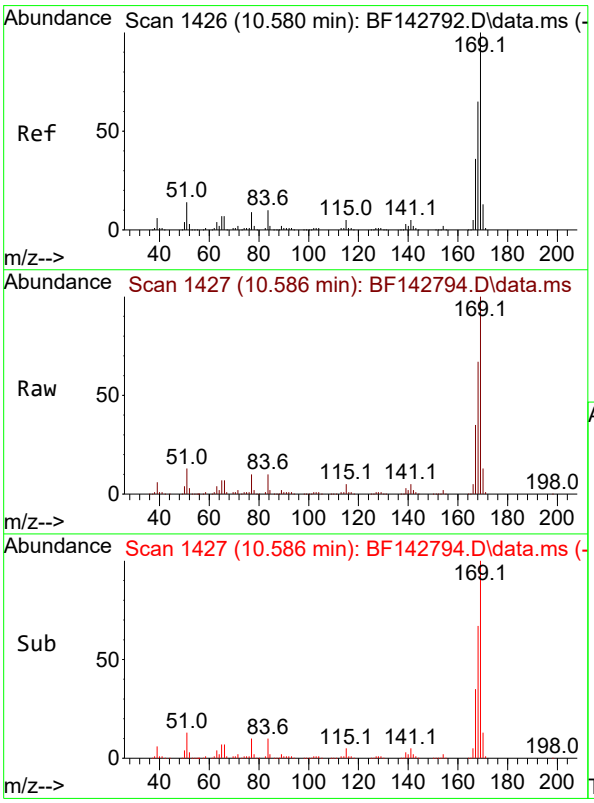

#65
4,6-Dinitro-2-methylphenol
Concen: 62.814 ng
RT: 10.527 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:198 Resp: 103180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 45.7 | 25.4 | 65.4 |
| 105 | 40.7 | 20.4 | 60.4 |

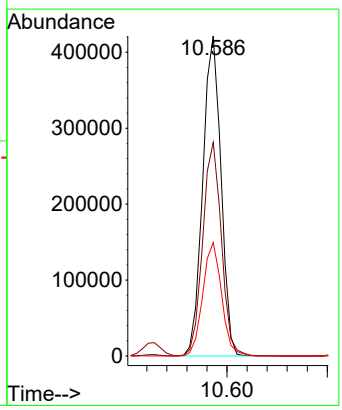


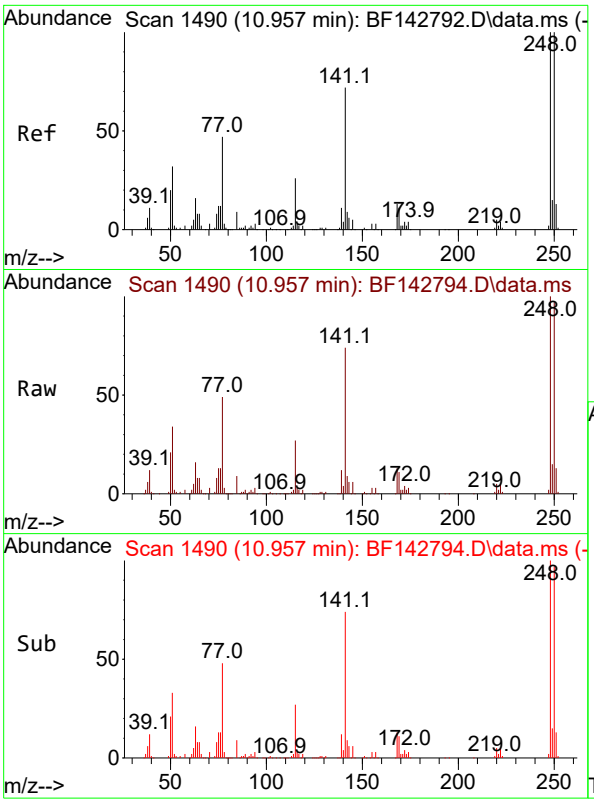




#66
n-Nitrosodiphenylamine
Concen: 58.540 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:169 Resp: 531713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.7 | 51.9 | 77.9 |
| 167 | 35.4 | 28.5 | 42.7 |



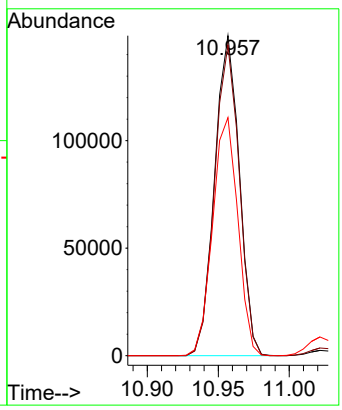


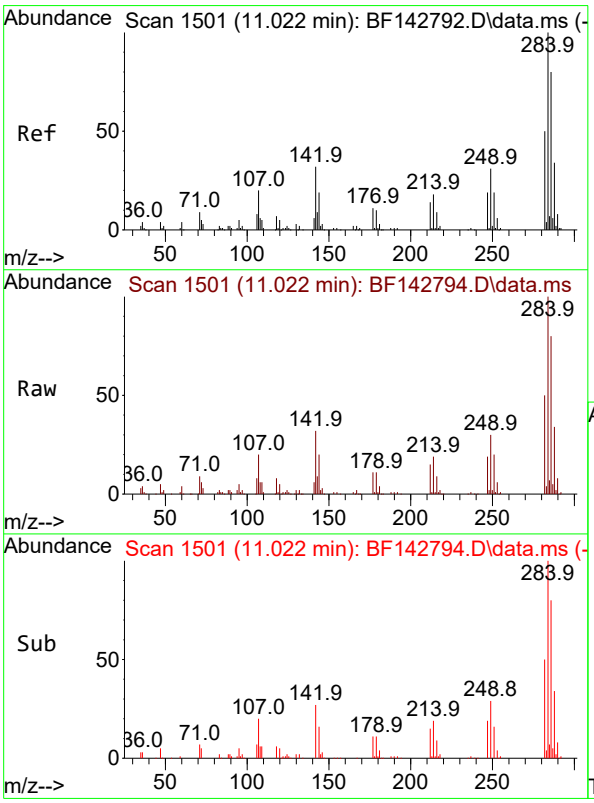

#67
4-Bromophenyl-phenylether
Concen: 58.311 ng
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:248 Resp: 180519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.1 | 79.8 | 119.8 |
| 141 | 74.4 | 57.8 | 86.6 |

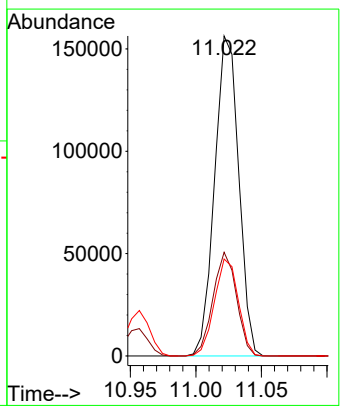


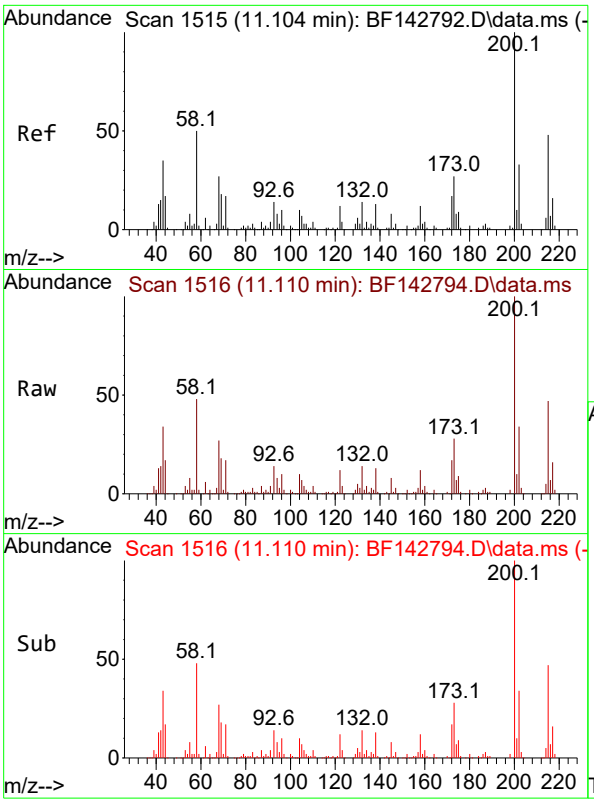




#68
Hexachlorobenzene
Concen: 58.041 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:284 Resp: 199479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.4 | 25.5 | 38.3 |
| 249 | 30.3 | 24.9 | 37.3 |



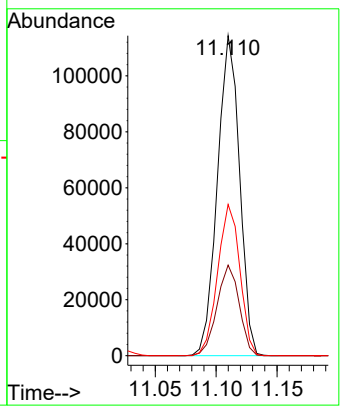


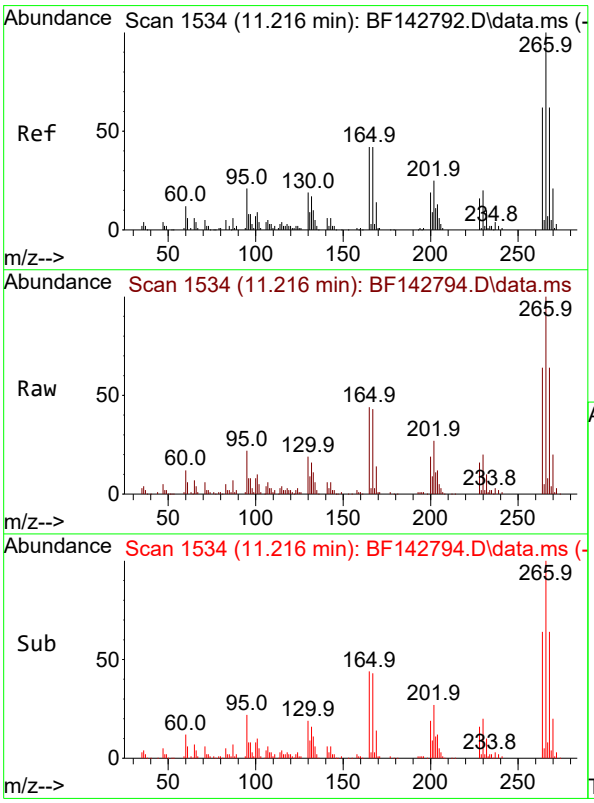

#69
Atrazine
Concen: 60.075 ng
RT: 11.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:200 Resp: 144880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 28.3 | 7.4 | 47.4 |
| 215 | 47.2 | 28.4 | 68.4 |

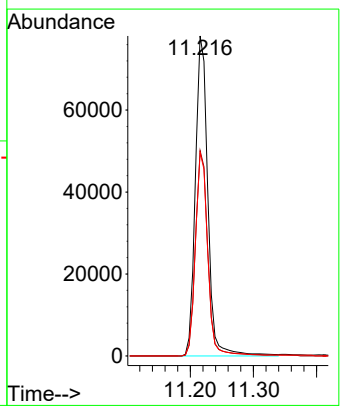


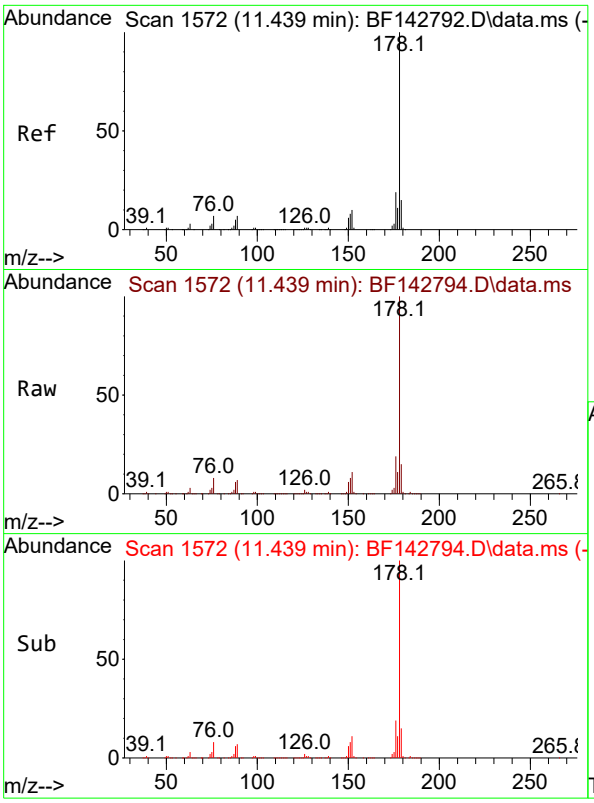




#70
Pentachlorophenol
Concen: 60.023 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:266 Resp: 107141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.2 | 49.8 | 74.8 |
| 264 | 63.5 | 49.9 | 74.9 |



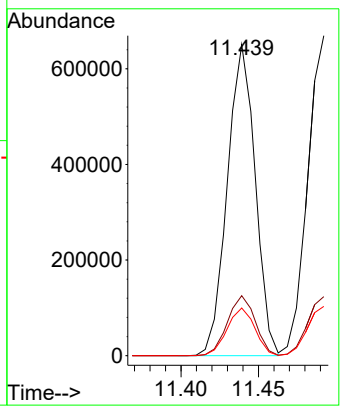


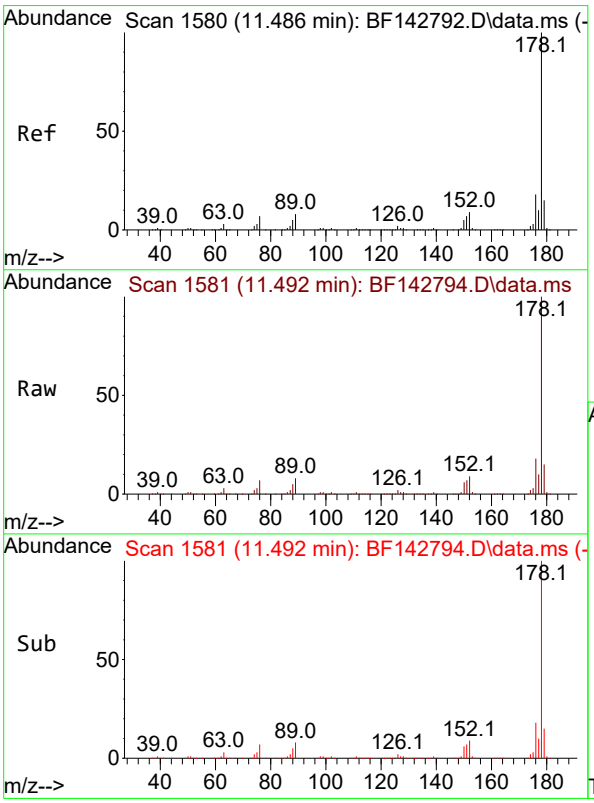

#71
Phenanthrene
Concen: 57.611 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:178 Resp: 815330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.1 | 22.7 |
| 179 | 15.4 | 12.0 | 18.0 |

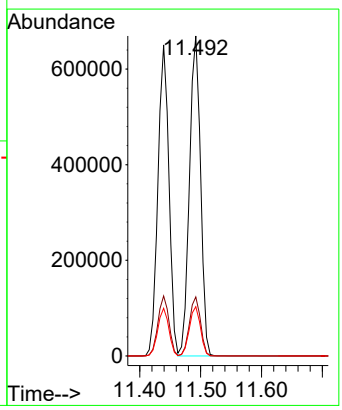


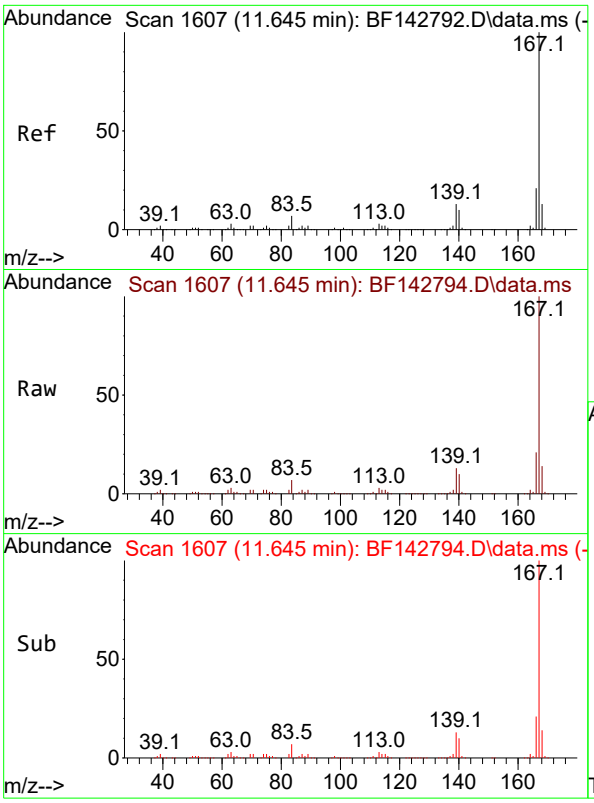




#72
Anthracene
Concen: 57.653 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:178 Resp: 844549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 14.6 | 21.8 |
| 179 | 15.4 | 12.4 | 18.6 |



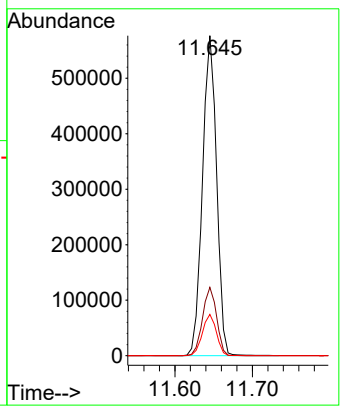


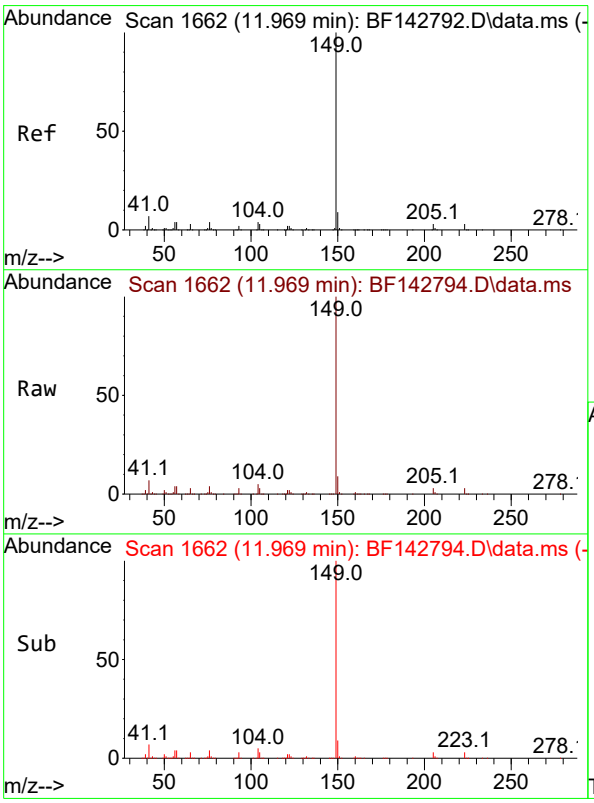

#73
Carbazole
Concen: 59.457 ng
RT: 11.645 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:167 Resp: 729372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.0 | 25.4 |
| 139 | 12.9 | 10.2 | 15.2 |

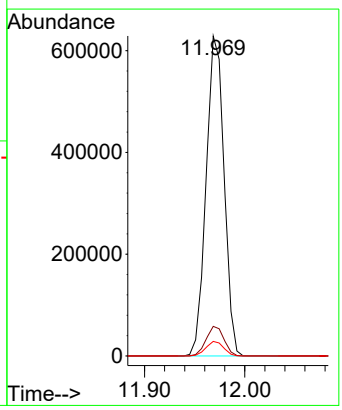


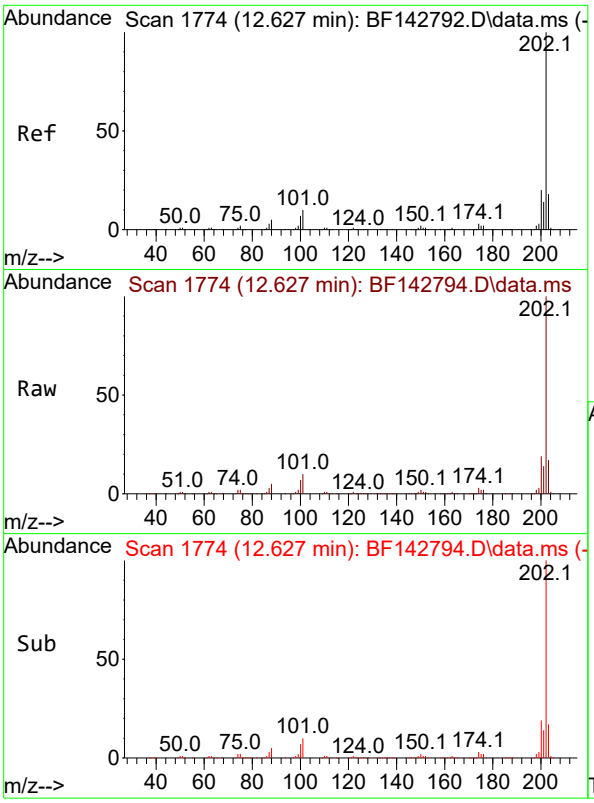




#74
Di-n-butylphthalate
Concen: 57.759 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:149 Resp: 784514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.4 | 11.0 |
| 104 | 4.6 | 3.5 | 5.3 |



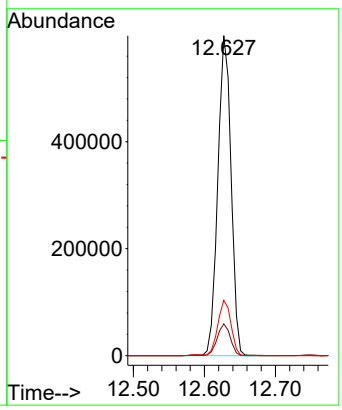


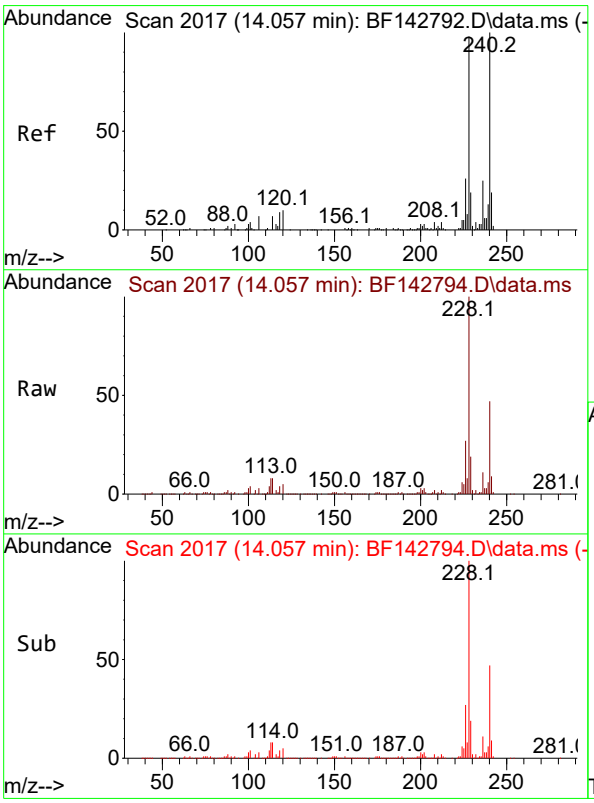

#75
Fluoranthene
Concen: 57.300 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:202 Resp: 770481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.0 | 0.0 | 29.7 |
| 203 | 17.3 | 0.0 | 37.5 |

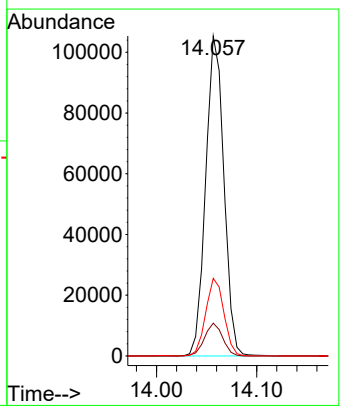


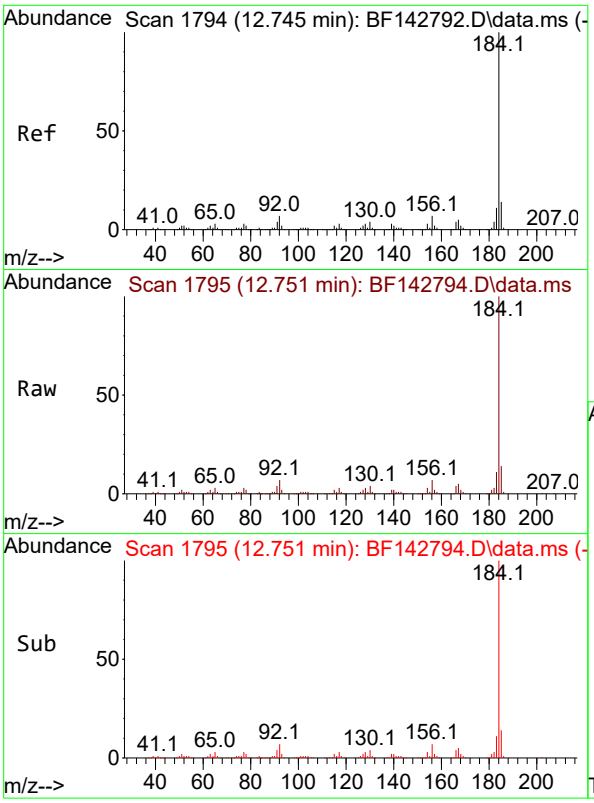




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:240 Resp: 133196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.3 | 8.2 | 12.2 |
| 236 | 24.2 | 19.8 | 29.8 |



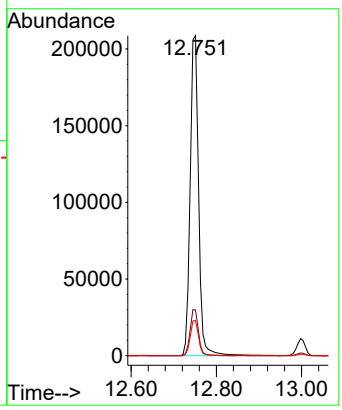


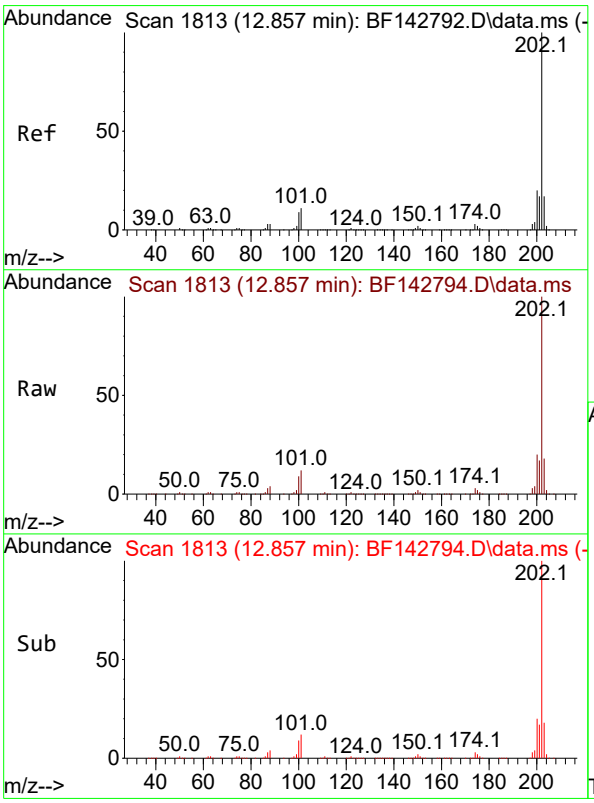

#77
Benzidine
Concen: 60.916 ng
RT: 12.751 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:184 Resp: 287238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.3 | 11.5 | 17.3 |
| 183 | 11.1 | 9.0 | 13.4 |

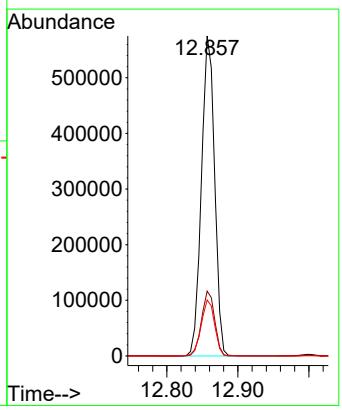


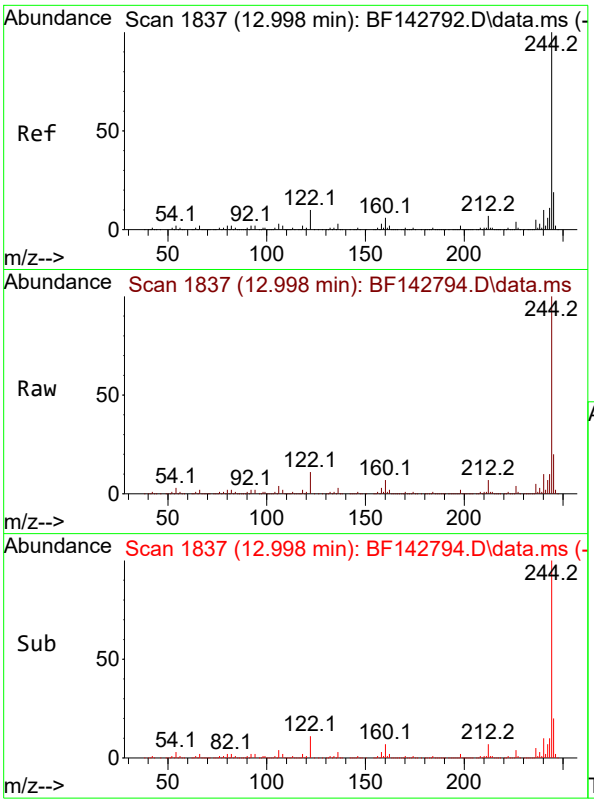




#78
Pyrene
Concen: 60.812 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:202 Resp: 744567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.2 | 15.7 | 23.5 |
| 203 | 17.5 | 13.8 | 20.6 |



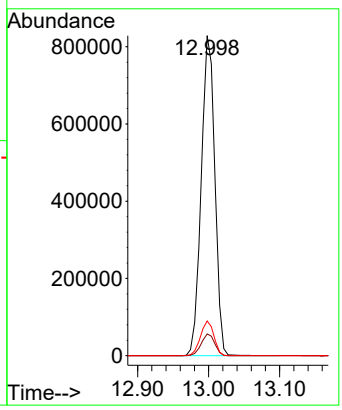


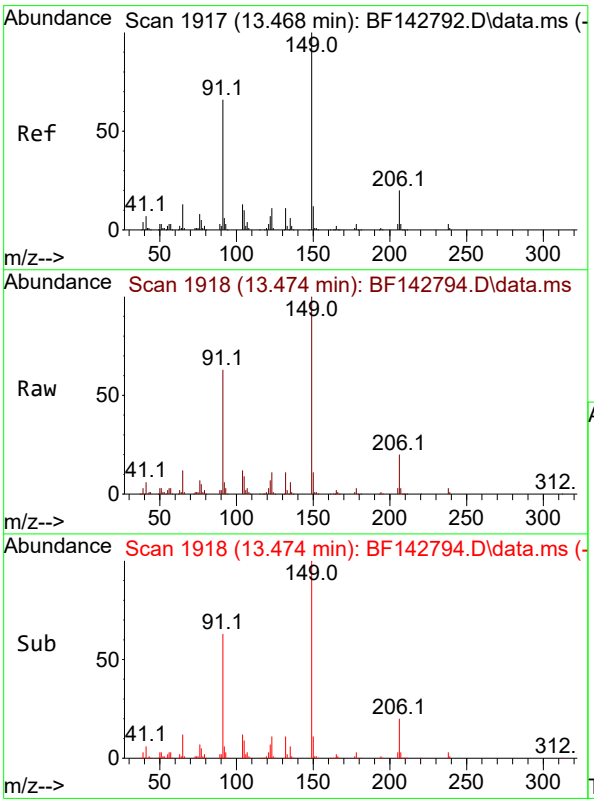

#79
Terphenyl-d14
Concen: 115.747 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:244 Resp: 1107704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.4 | 8.0 |
| 122 | 10.9 | 8.2 | 12.2 |

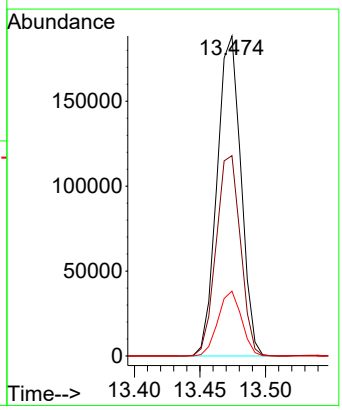


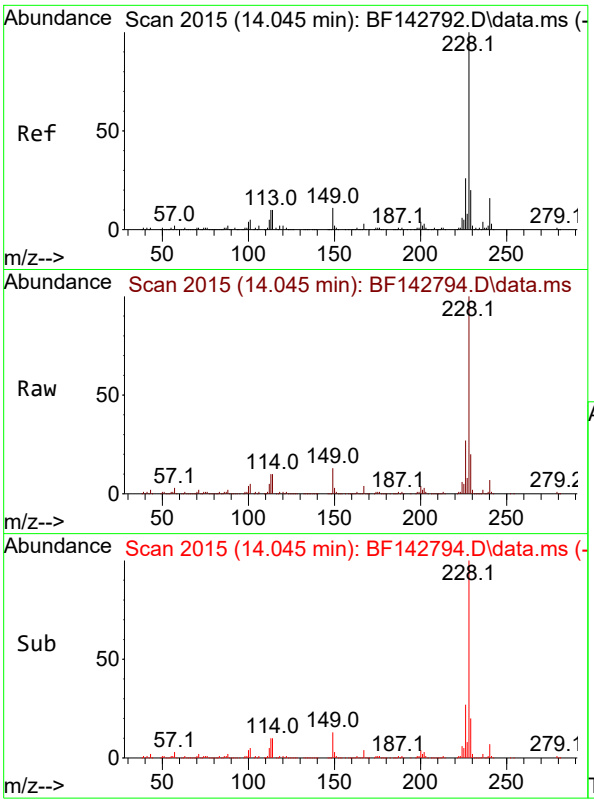




#80
Butylbenzylphthalate
Concen: 65.755 ng
RT: 13.474 min Scan# 1918
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:149 Resp: 238584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 62.6 | 52.9 | 79.3 |
| 206 | 20.2 | 16.3 | 24.5 |



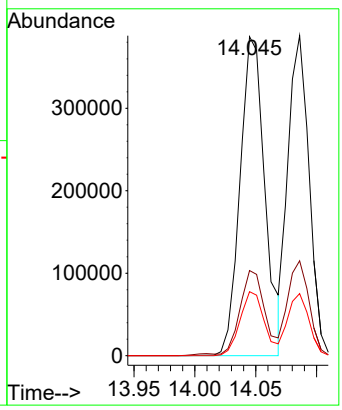


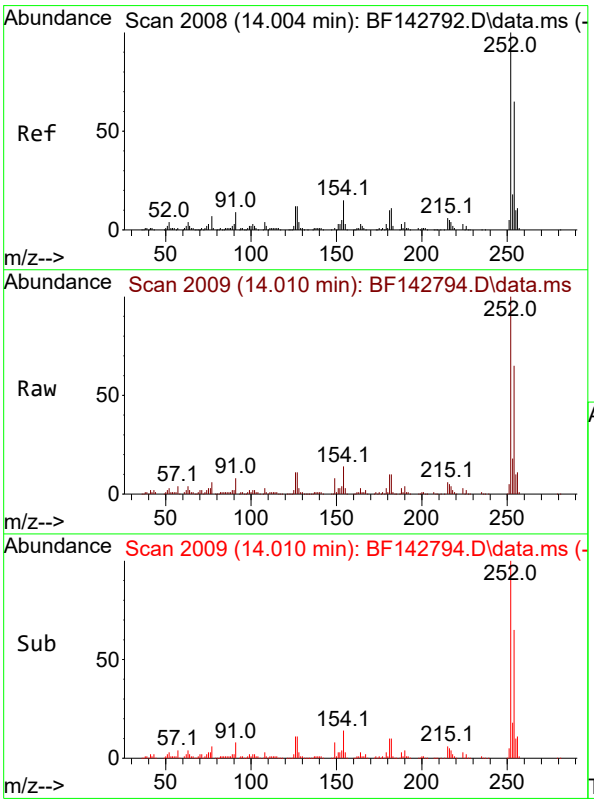

#81
Benzo(a)anthracene
Concen: 62.892 ng
RT: 14.045 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:228 Resp: 550008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.7 | 21.2 | 31.8 |
| 229 | 20.0 | 15.6 | 23.4 |

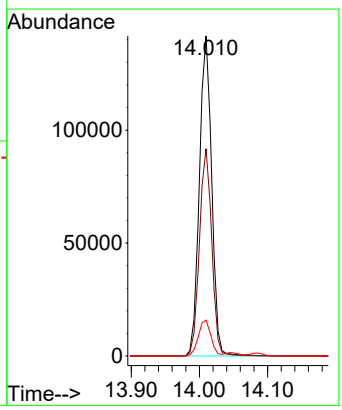


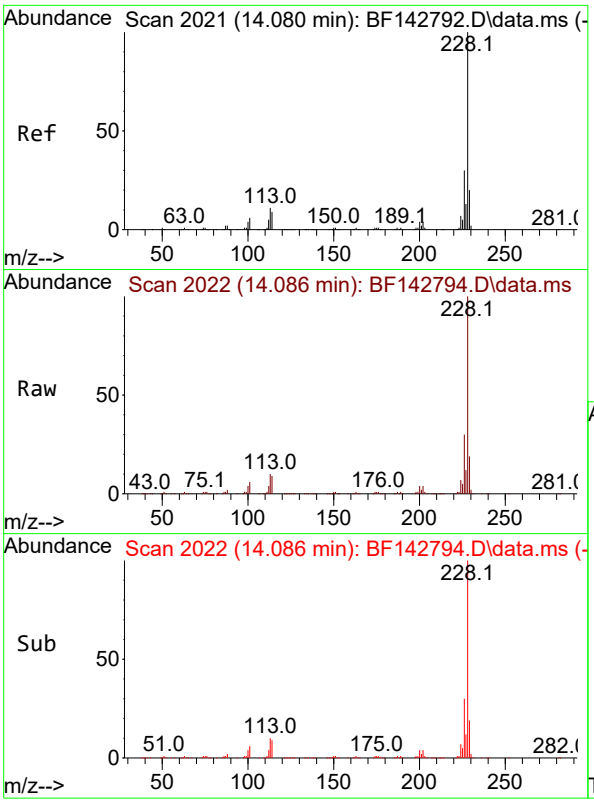




#82
3,3'-Dichlorobenzidine
Concen: 62.787 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:252 Resp: 177798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.8 | 51.7 | 77.5 |
| 126 | 11.2 | 9.4 | 14.2 |



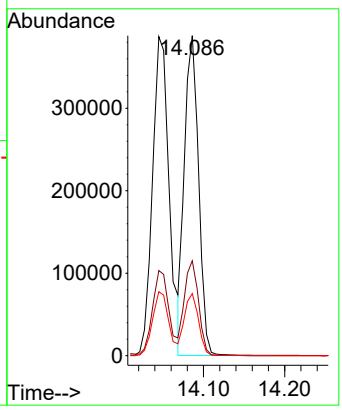


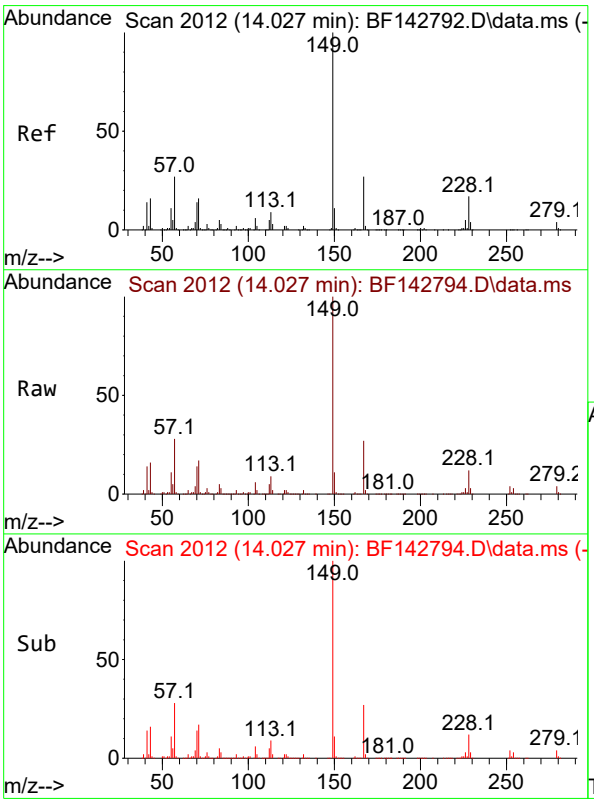

#83
Chrysene
Concen: 57.743 ng
RT: 14.086 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:228 Resp: 470124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.7 | 23.7 | 35.5 |
| 229 | 19.4 | 15.7 | 23.5 |

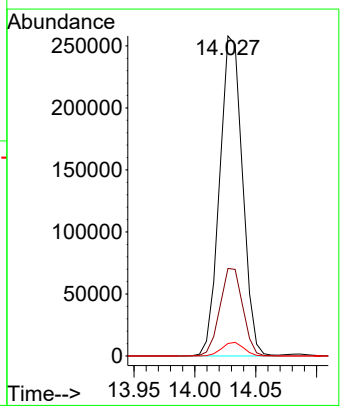


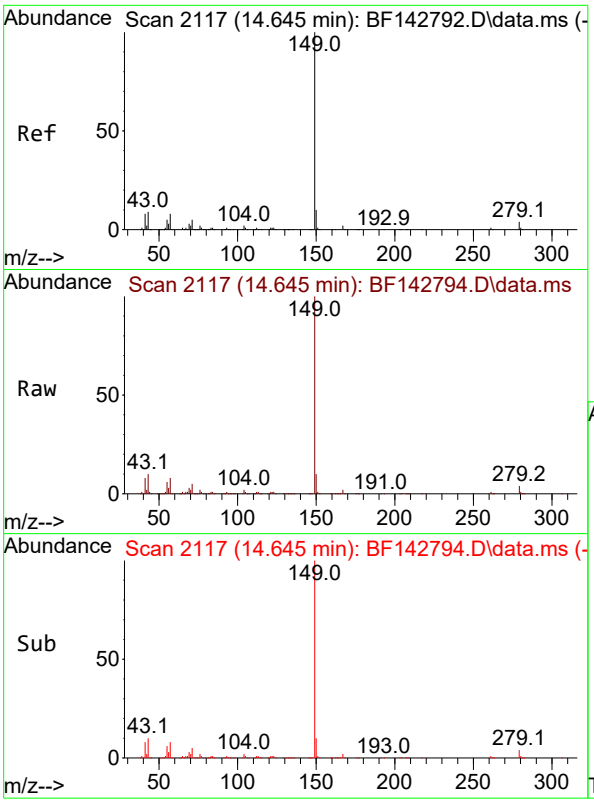




#84
Bis(2-ethylhexyl)phthalate
Concen: 62.326 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:149 Resp: 336951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.4 | 21.4 | 32.0 |
| 279 | 3.9 | 3.0 | 4.6 |



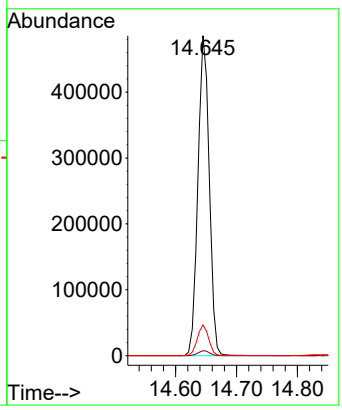


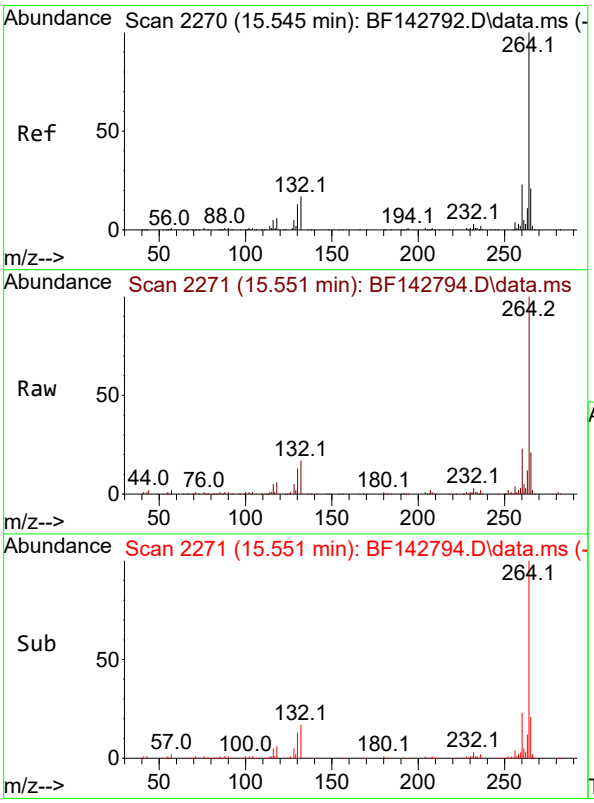

#85
Di-n-octyl phthalate
Concen: 60.871 ng
RT: 14.645 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:149 Resp: 627090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.6 | 7.6 | 11.4 |

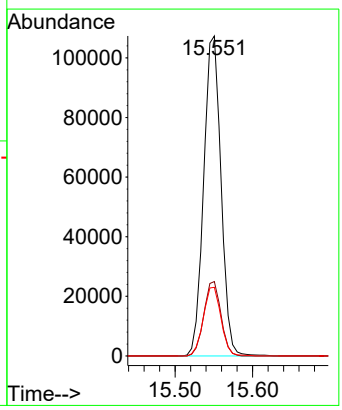


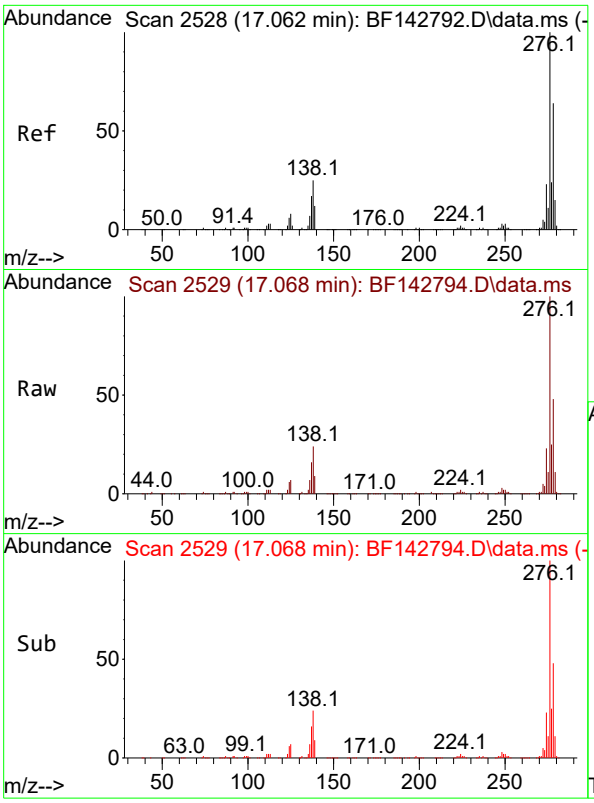




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:264 Resp: 166457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.1 | 27.1 |
| 265 | 21.4 | 16.6 | 25.0 |



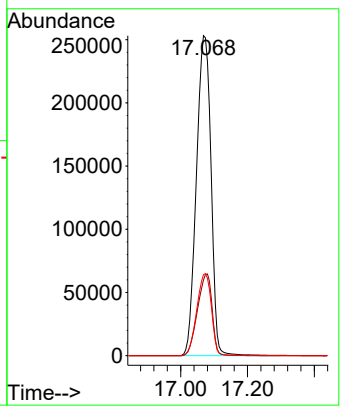


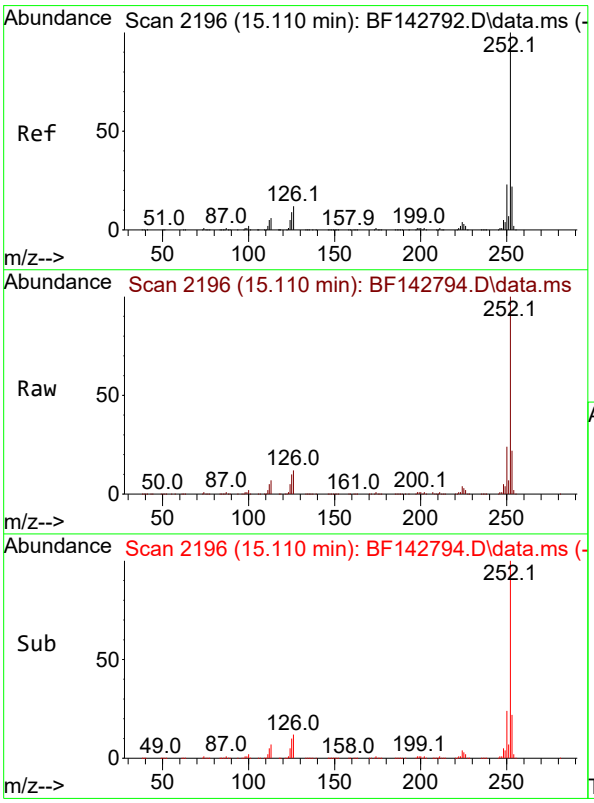

#87
Indeno(1,2,3-cd)pyrene
Concen: 62.432 ng
RT: 17.068 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:276 Resp: 768324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.4 | 20.2 | 30.4 |
| 277 | 25.6 | 19.8 | 29.6 |

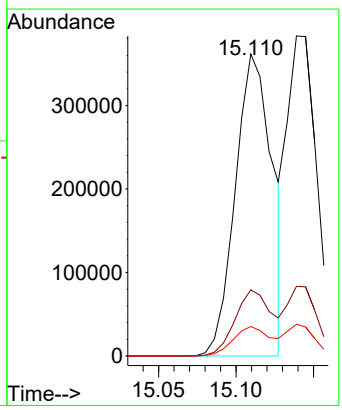


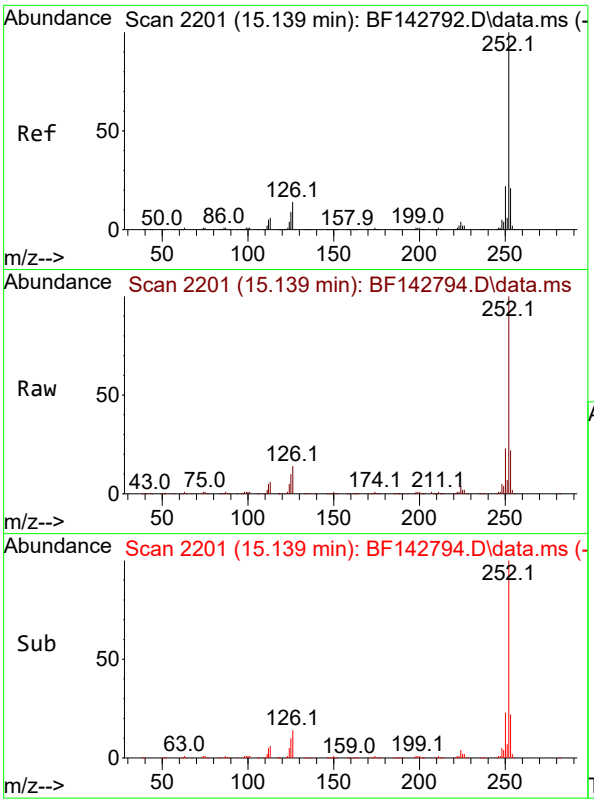




#88
Benzo(b)fluoranthene
Concen: 61.638 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:252 Resp: 597533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 9.7 | 7.4 | 11.0 |



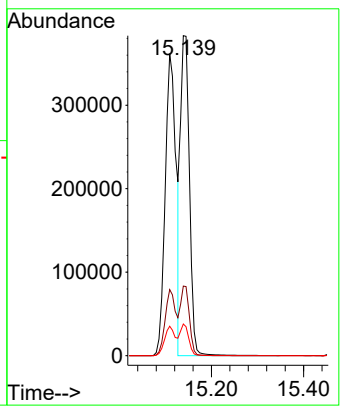


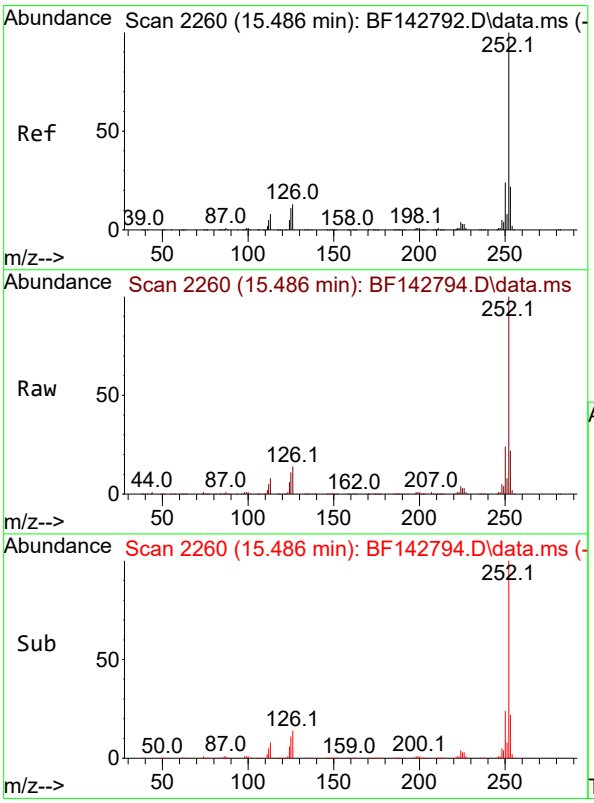

#89
Benzo(k)fluoranthene
Concen: 54.792 ng
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:252 Resp: 518514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.2 | 25.8 |
| 125 | 9.9 | 7.4 | 11.2 |

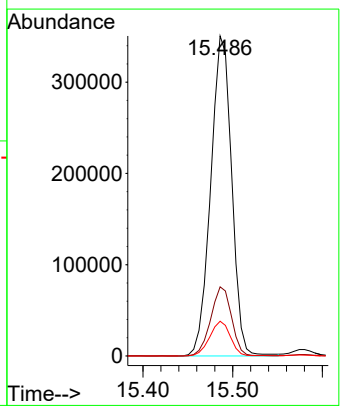


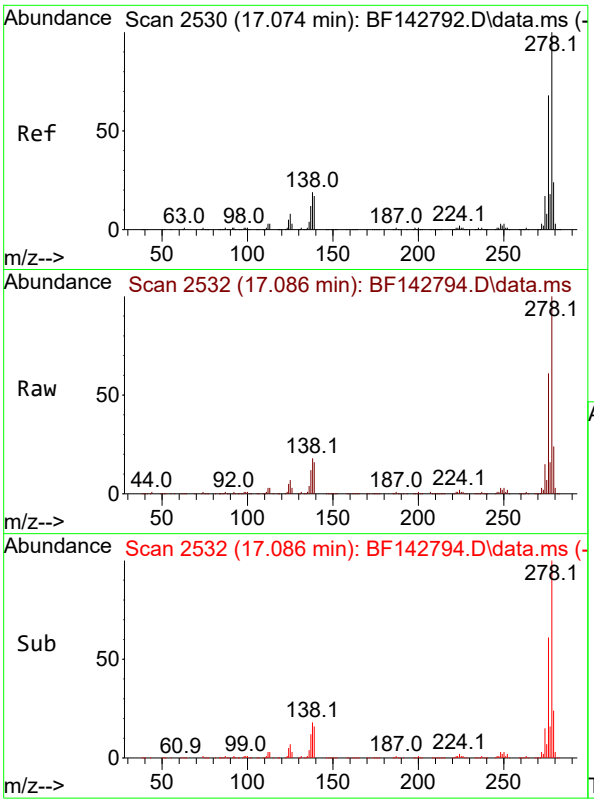




#90
Benzo(a)pyrene
Concen: 61.408 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:252 Resp: 569694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.5 | 26.3 |
| 125 | 10.9 | 8.6 | 12.8 |



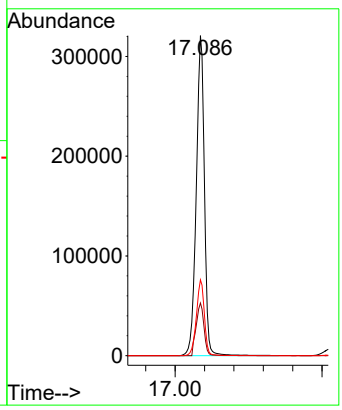


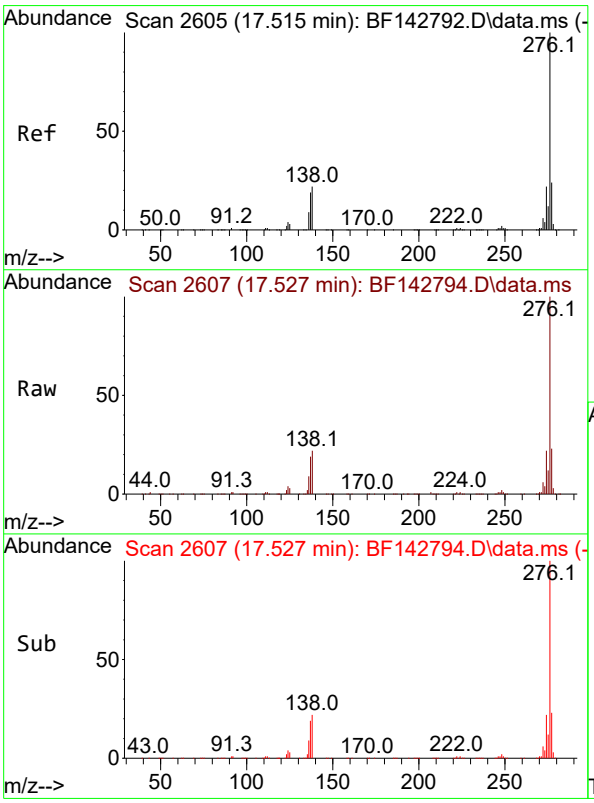

#91
Dibenzo(a,h)anthracene
Concen: 61.889 ng
RT: 17.086 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:278 Resp: 619236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.5 | 13.5 | 20.3 |
| 279 | 23.7 | 18.8 | 28.2 |

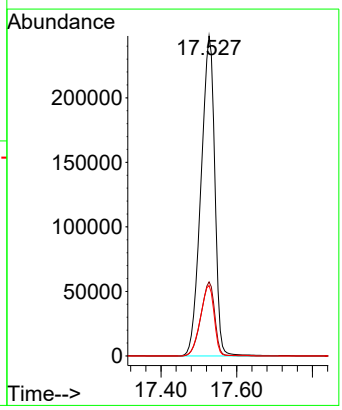



#92
Benzo(g,h,i)perylene
Concen: 62.795 ng
RT: 17.527 min Scan# 2607
Delta R.T. 0.012 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:276 Resp: 626847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.2 | 18.8 | 28.2 |
| 138 | 22.0 | 17.6 | 26.4 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142795.D
Acq On : 19 Jun 2025 20:40
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Jun 20 04:42:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 77938 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.169 | 136 | 285299 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.928 | 164 | 140262 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.410 | 188 | 213216 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.063 | 240 | 127713 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.551 | 264 | 175125 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 703164 | 153.880 | ng | | 0.00 |
| 7) Phenol-d6 | 6.516 | 99 | 813626 | 151.631 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.457 | 82 | 792380 | 152.234 | ng | | 0.01 |
| 42) 2,4,6-Tribromophenol | 10.722 | 330 | 210092 | 137.823 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.245 | 172 | 1515847 | 143.770 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.998 | 244 | 1127781 | 122.904 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.634 | 88 | 145434 | 80.147 | ng | | 99 |
| 3) Pyridine | 3.410 | 79 | 368129 | 81.031 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.375 | 42 | 191412 | 82.265 | ng | | 98 |
| 6) Aniline | 6.545 | 93 | 544167 | 75.672 | ng | # | 83 |
| 8) 2-Chlorophenol | 6.669 | 128 | 383707 | 77.116 | ng | | 99 |
| 10) Phenol | 6.534 | 94 | 448139 | 74.906 | ng | | 84 |
| 11) bis(2-Chloroethyl)ether | 6.622 | 93 | 335736 | 75.639 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 420352 | 74.190 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 419873 | 73.115 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 400191 | 72.897 | ng | | 98 |
| 15) Benzyl Alcohol | 7.028 | 79 | 307100 | 76.460 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45 | 512514 | 73.285 | ng | | 94 |
| 17) 2-Methylphenol | 7.140 | 107 | 289573 | 76.123 | ng | | 98 |
| 18) Hexachloroethane | 7.392 | 117 | 150991 | 73.550 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.304 | 70 | 238778 | 70.563 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.292 | 107 | 345456 | 72.154 | ng | | 96 |
| 22) Acetophenone | 7.298 | 105 | 463019 | 73.349 | ng | # | 98 |
| 24) Nitrobenzene | 7.475 | 77 | 358834 | 77.574 | ng | | 98 |
| 25) Isophorone | 7.716 | 82 | 632390 | 72.447 | ng | | 99 |
| 26) 2-Nitrophenol | 7.787 | 139 | 201064 | 78.009 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.822 | 122 | 335771 | 76.518 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.916 | 93 | 400973 | 73.793 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.028 | 162 | 306123 | 75.689 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.110 | 180 | 332721 | 74.472 | ng | | 100 |
| 31) Naphthalene | 8.192 | 128 | 1029082 | 73.342 | ng | | 100 |
| 32) Benzoic acid | 7.957 | 122 | 192536 | 79.082 | ng | | 96 |
| 33) 4-Chloroaniline | 8.239 | 127 | 413911 | 73.608 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.304 | 225 | 204081 | 72.088 | ng | | 99 |
| 35) Caprolactam | 8.628 | 113 | 78302 | 71.952 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.722 | 107 | 296520 | 70.974 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.881 | 142 | 627195 | 70.857 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.981 | 142 | 642853 | 69.952 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.051 | 216 | 315930 | 78.028 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.034 | 237 | 218091 | 85.183 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.163 | 196 | 207984 | 79.375 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.204 | 196 | 217860 | 76.993 | ng | | 99 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142795.D
Acq On : 19 Jun 2025 20:40
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Jun 20 04:42:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 46) | 1,1'-Biphenyl | 9.345 | 154 | 822529 | 75.525 ng | 99 |
| 47) | 2-Chloronaphthalene | 9.375 | 162 | 620399 | 77.199 ng | 99 |
| 48) | 2-Nitroaniline | 9.469 | 65 | 179718 | 78.716 ng | 97 |
| 49) | Acenaphthylene | 9.786 | 152 | 1002569 | 74.207 ng | 100 |
| 50) | Dimethylphthalate | 9.651 | 163 | 665322 | 71.510 ng | 100 |
| 51) | 2,6-Dinitrotoluene | 9.710 | 165 | 150567 | 74.654 ng | 99 |
| 52) | Acenaphthene | 9.963 | 154 | 621336 | 74.322 ng | 100 |
| 53) | 3-Nitroaniline | 9.881 | 138 | 164090 | 74.903 ng | 99 |
| 54) | 2,4-Dinitrophenol | 9.986 | 184 | 85185 | 78.050 ng | 97 |
| 55) | Dibenzofuran | 10.133 | 168 | 862110 | 72.277 ng | 99 |
| 56) | 4-Nitrophenol | 10.039 | 139 | 114163 | 76.771 ng | 98 |
| 57) | 2,4-Dinitrotoluene | 10.116 | 165 | 189684 | 71.128 ng | 95 |
| 58) | Fluorene | 10.475 | 166 | 663463 | 70.475 ng | 100 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.251 | 232 | 170453 | 71.850 ng | 97 |
| 60) | Diethylphthalate | 10.345 | 149 | 640148 | 69.265 ng | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 10.463 | 204 | 318782 | 69.722 ng | 98 |
| 62) | 4-Nitroaniline | 10.498 | 138 | 147879 | 75.193 ng | 98 |
| 63) | Azobenzene | 10.628 | 77 | 578765 | 71.659 ng | 99 |
| 65) | 4,6-Dinitro-2-methylph... | 10.528 | 198 | 106528 | 80.401 ng | 98 |
| 66) | n-Nitrosodiphenylamine | 10.586 | 169 | 564677 | 77.075 ng | 99 |
| 67) | 4-Bromophenyl-phenylether | 10.957 | 248 | 191698 | 76.768 ng | 97 |
| 68) | Hexachlorobenzene | 11.022 | 284 | 210925 | 76.086 ng | 98 |
| 69) | Atrazine | 11.110 | 200 | 148117 | 76.143 ng | 100 |
| 70) | Pentachlorophenol | 11.216 | 266 | 113104 | 78.555 ng | 99 |
| 71) | Phenanthrene | 11.439 | 178 | 845899 | 74.102 ng | 99 |
| 72) | Anthracene | 11.492 | 178 | 862662 | 73.008 ng | 99 |
| 73) | Carbazole | 11.645 | 167 | 738174 | 74.602 ng | 100 |
| 74) | Di-n-butylphthalate | 11.969 | 149 | 798500 | 72.884 ng | 100 |
| 75) | Fluoranthene | 12.627 | 202 | 766933 | 70.711 ng | 99 |
| 77) | Benzidine | 12.751 | 184 | 299985 | 66.350 ng | 100 |
| 78) | Pyrene | 12.857 | 202 | 750100 | 63.894 ng | 98 |
| 80) | Butylbenzylphthalate | 13.474 | 149 | 287568 | 82.658 ng | 97 |
| 81) | Benzo(a)anthracene | 14.051 | 228 | 655753 | 78.202 ng | 99 |
| 82) | 3,3'-Dichlorobenzidine | 14.010 | 252 | 223571 | 82.340 ng | 100 |
| 83) | Chrysene | 14.086 | 228 | 587658 | 75.278 ng | 99 |
| 84) | Bis(2-ethylhexyl)phtha... | 14.033 | 149 | 448387 | 86.499 ng | 99 |
| 85) | Di-n-octyl phthalate | 14.651 | 149 | 843227 | 85.366 ng | 100 |
| 87) | Indeno(1,2,3-cd)pyrene | 17.074 | 276 | 1010374 | 78.036 ng | 99 |
| 88) | Benzo(b)fluoranthene | 15.115 | 252 | 749341 | 73.471 ng | 100 |
| 89) | Benzo(k)fluoranthene | 15.145 | 252 | 747789 | 75.108 ng | 99 |
| 90) | Benzo(a)pyrene | 15.492 | 252 | 759483 | 77.813 ng | 100 |
| 91) | Dibenzo(a,h)anthracene | 17.092 | 278 | 806991 | 76.662 ng | 99 |
| 92) | Benzo(g,h,i)perylene | 17.539 | 276 | 813177 | 77.429 ng | 99 |

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

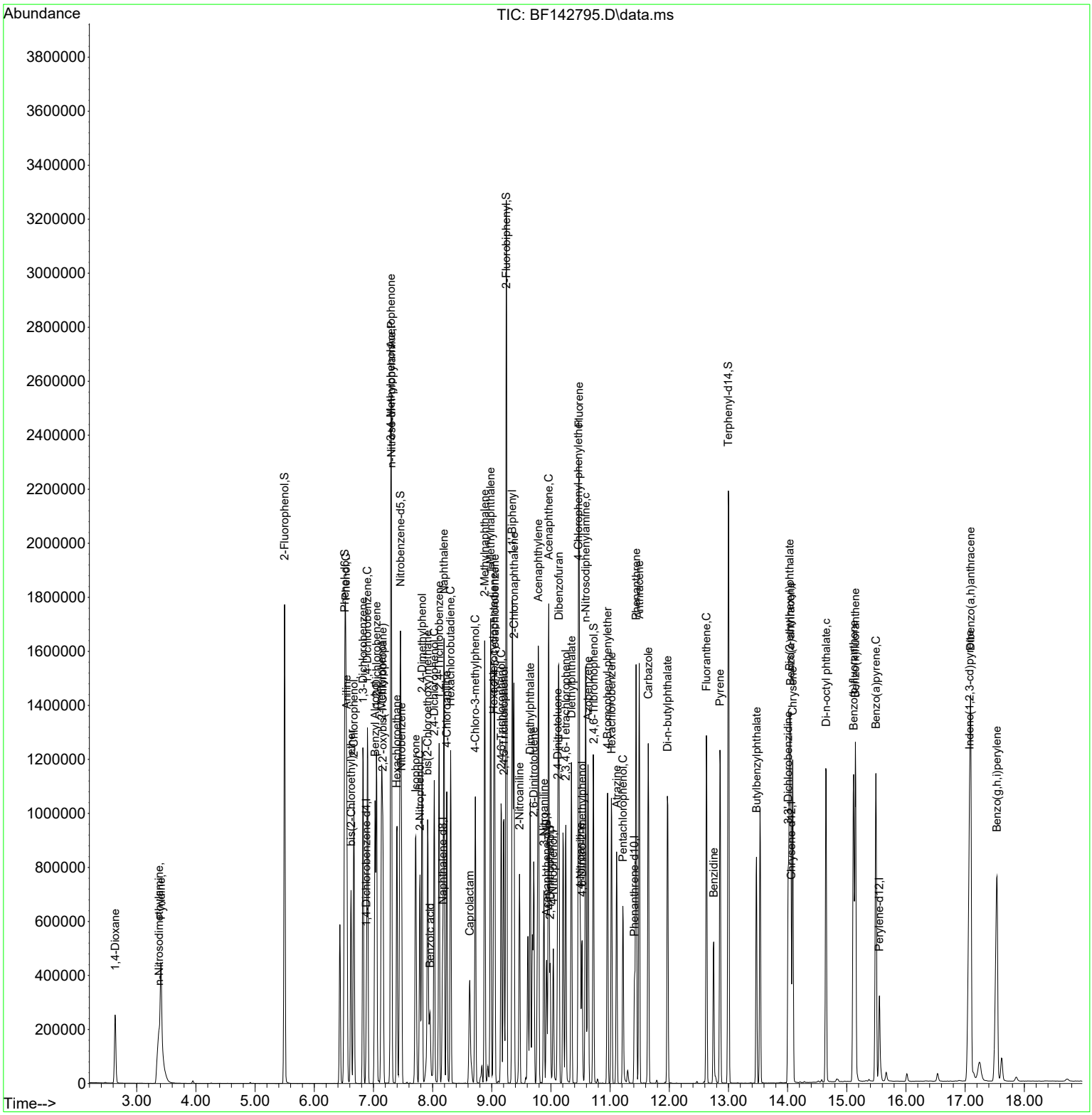
Quantitation Report (QT Reviewed)

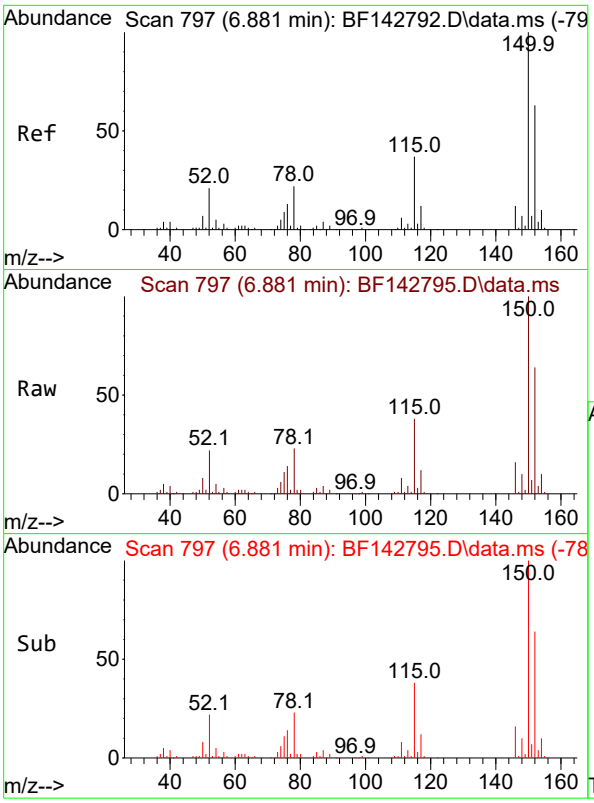
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142795.D
Acq On : 19 Jun 2025 20:40
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Jun 20 04:42:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



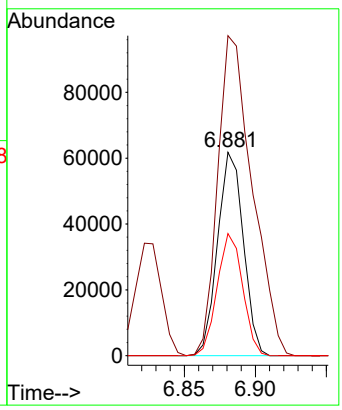


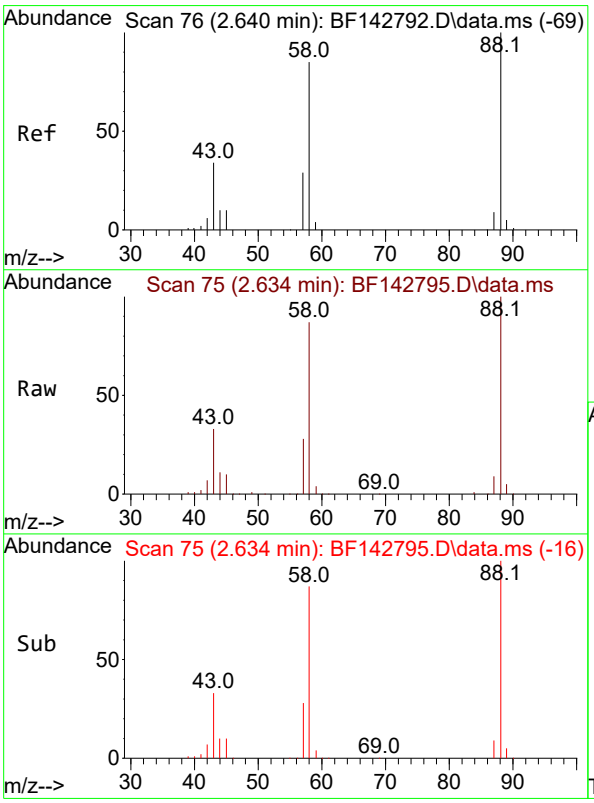

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:152 Resp: 77938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.3 | 127.2 | 190.8 |
| 115 | 60.0 | 46.6 | 69.8 |

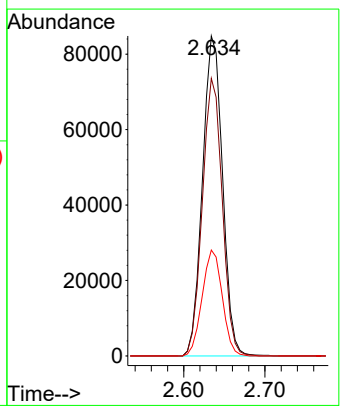


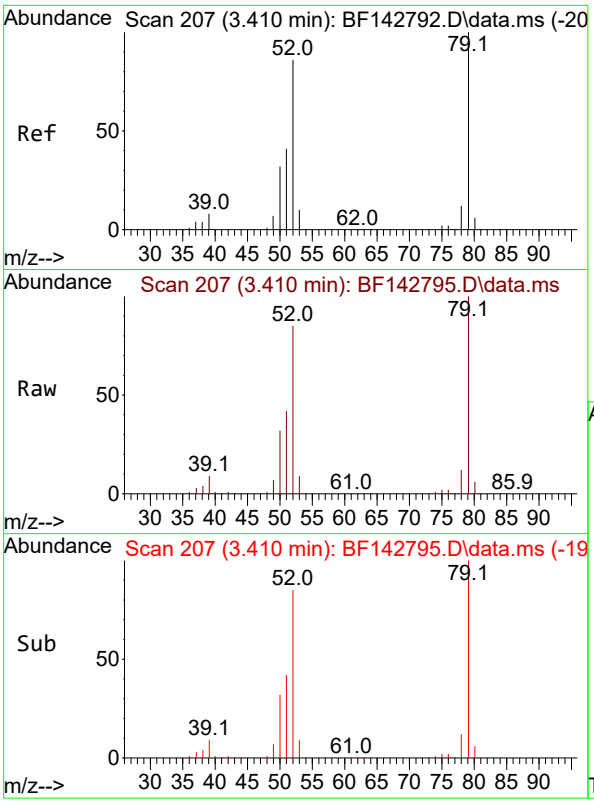




#2
1,4-Dioxane
Concen: 80.147 ng
RT: 2.634 min Scan# 75
Delta R.T. -0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 88 Resp: 145434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 86.0 | 69.1 | 103.7 |
| 43 | 33.2 | 27.4 | 41.2 |



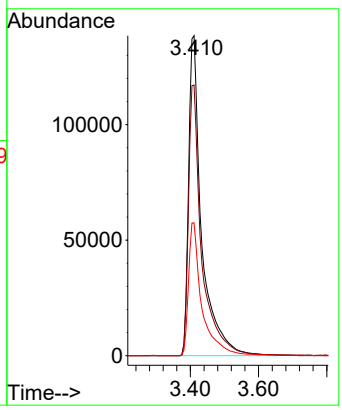


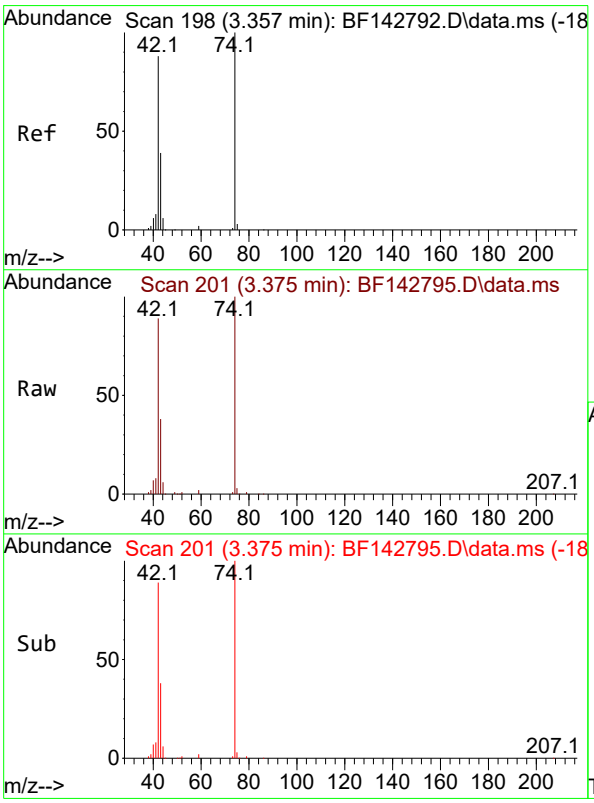

#3
Pyridine
Concen: 81.031 ng
RT: 3.410 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 79 Resp: 368129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 84.6 | 69.2 | 103.8 |
| 51 | 41.5 | 33.2 | 49.8 |

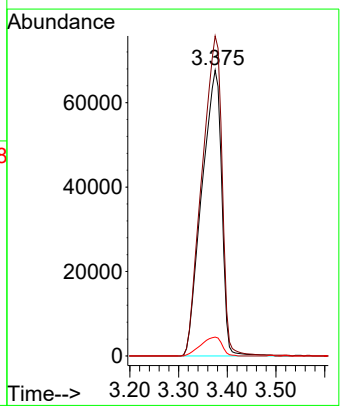


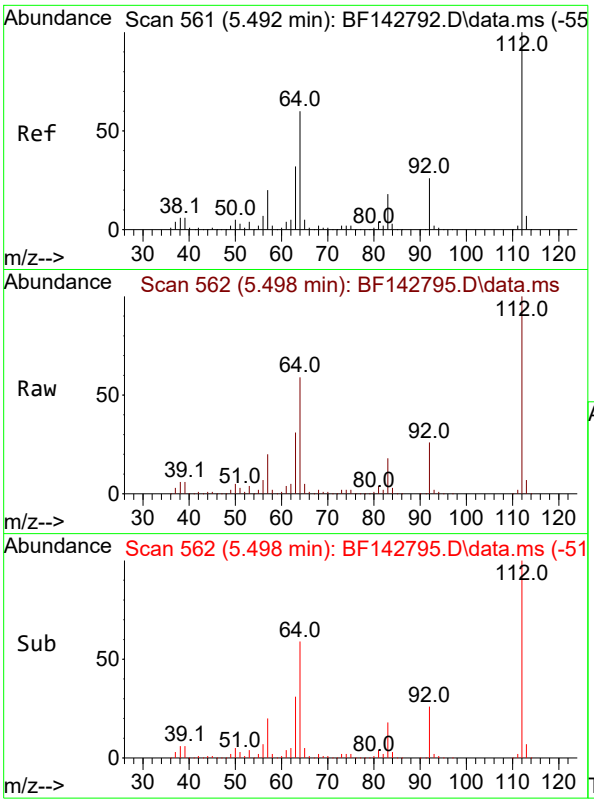




#4
n-Nitrosodimethylamine
Concen: 82.265 ng
RT: 3.375 min Scan# 201
Delta R.T. 0.018 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 42 Resp: 191412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 112.0 | 90.9 | 136.3 |
| 44 | 6.6 | 5.8 | 8.6 |



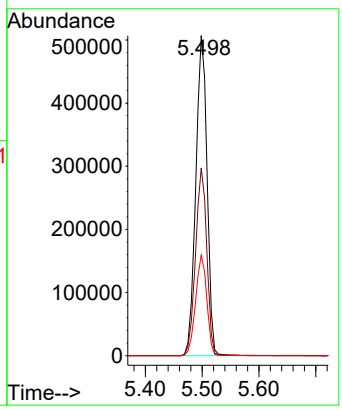


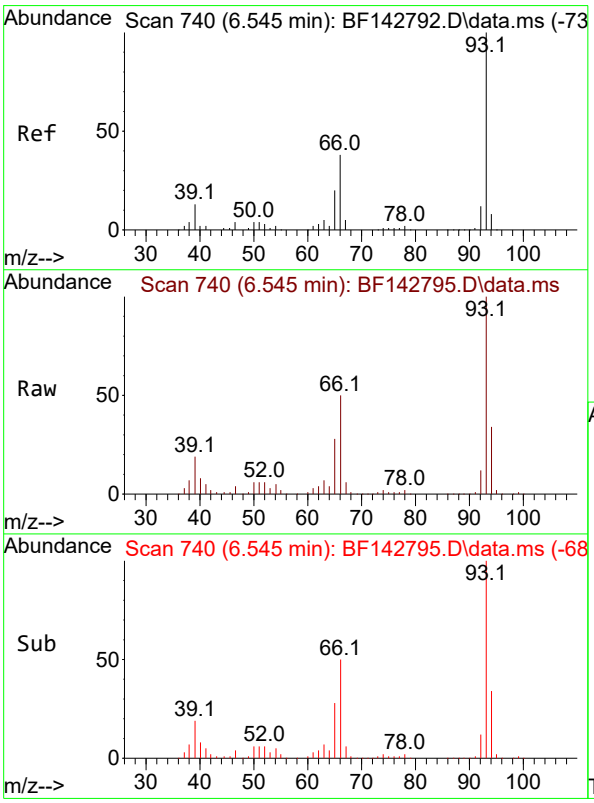

#5
2-Fluorophenol
Concen: 153.880 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:112 Resp: 703164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.7 | 48.2 | 72.2 |
| 63 | 31.4 | 25.7 | 38.5 |

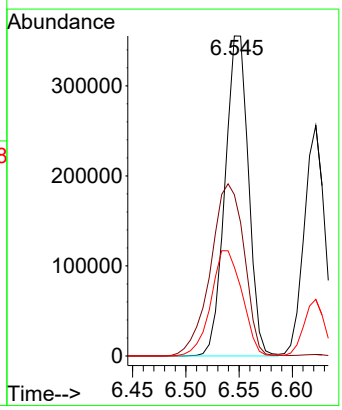


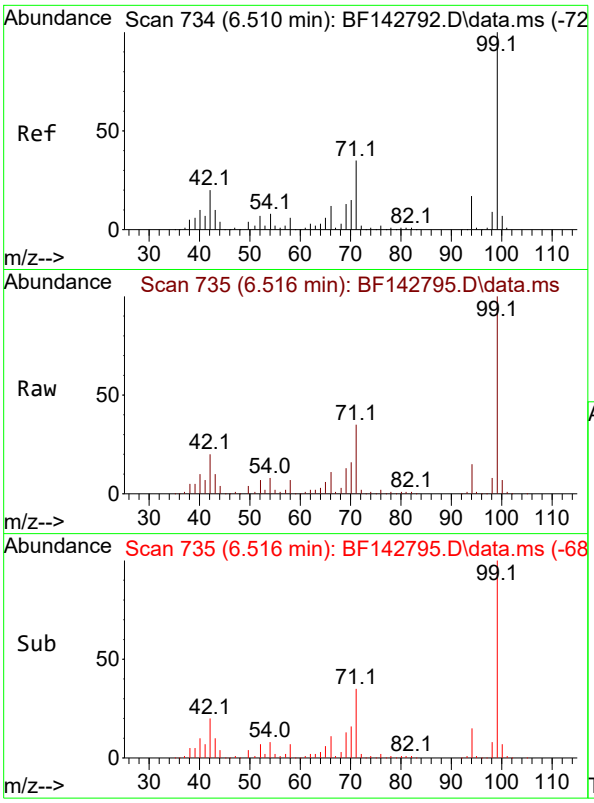




#6
Aniline
Concen: 75.672 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 93 Resp: 544167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 50.4 | 31.8 | 47.6# |
| 65 | 27.8 | 16.2 | 24.2# |



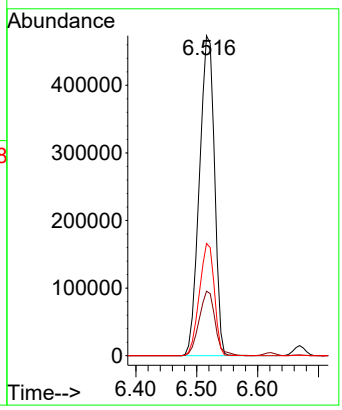


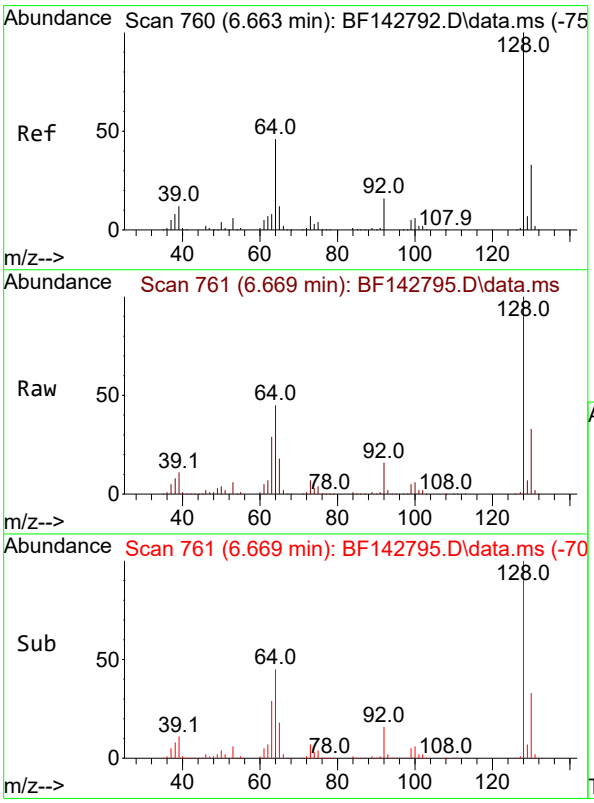

#7
Phenol-d6
Concen: 151.631 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 99 Resp: 813626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.1 | 15.9 | 23.9 |
| 71 | 35.1 | 27.8 | 41.8 |

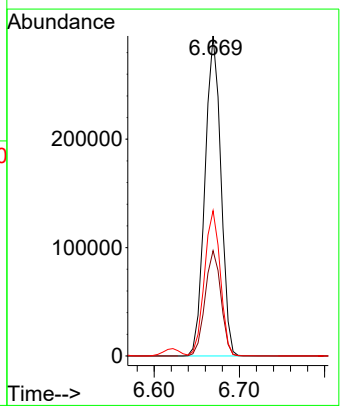


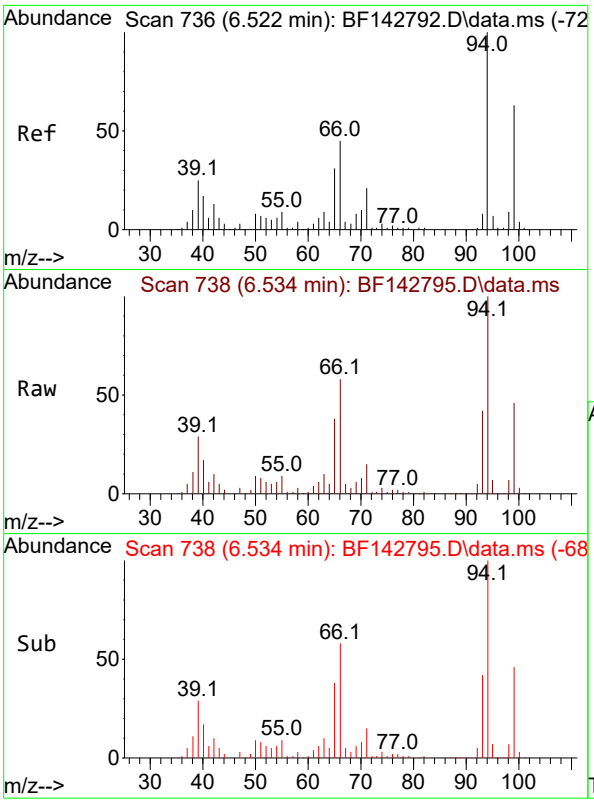




#8
2-Chlorophenol
Concen: 77.116 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:128 Resp: 383707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.9 | 12.7 | 52.7 |
| 64 | 45.4 | 26.5 | 66.5 |



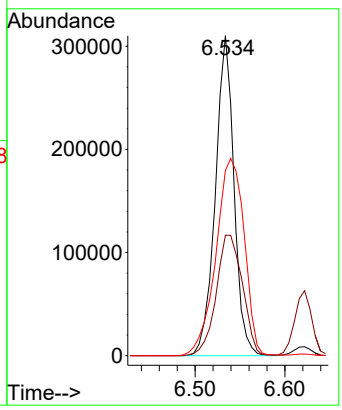


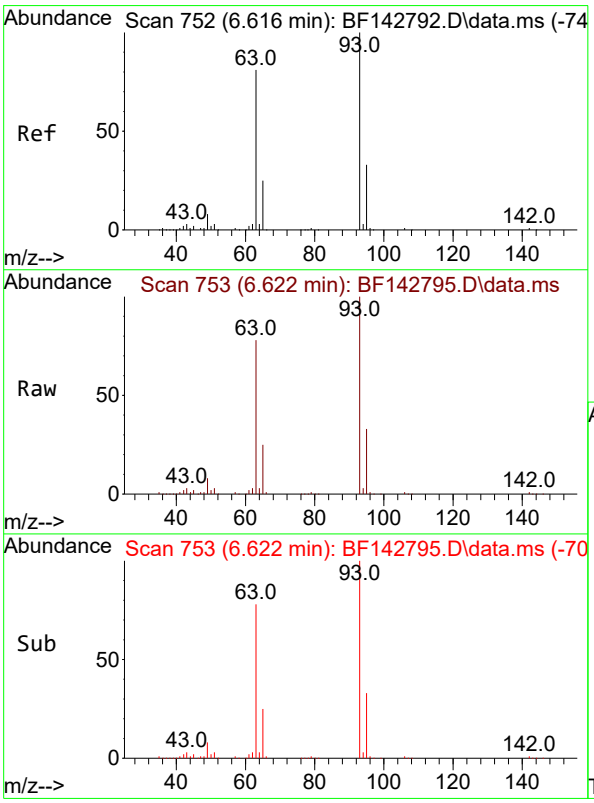

#10
Phenol
Concen: 74.906 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 94 Resp: 448139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 37.7 | 11.3 | 51.3 |
| 66 | 57.8 | 24.9 | 64.9 |

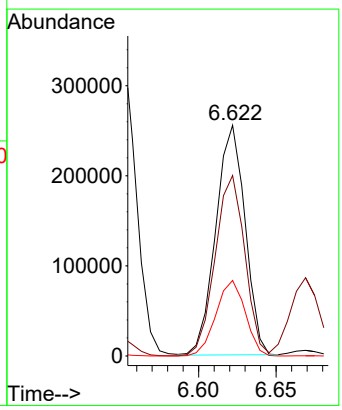


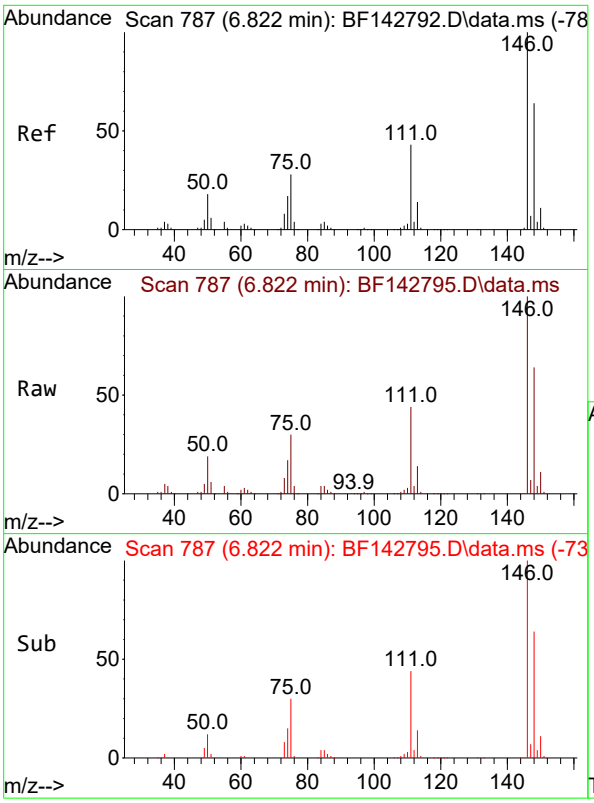




#11
bis(2-Chloroethyl)ether
Concen: 75.639 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 93 Resp: 335736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 78.2 | 60.3 | 100.3 |
| 95 | 32.8 | 12.5 | 52.5 |



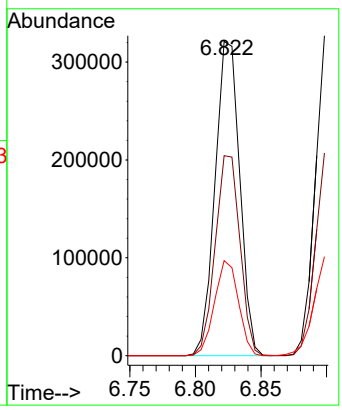


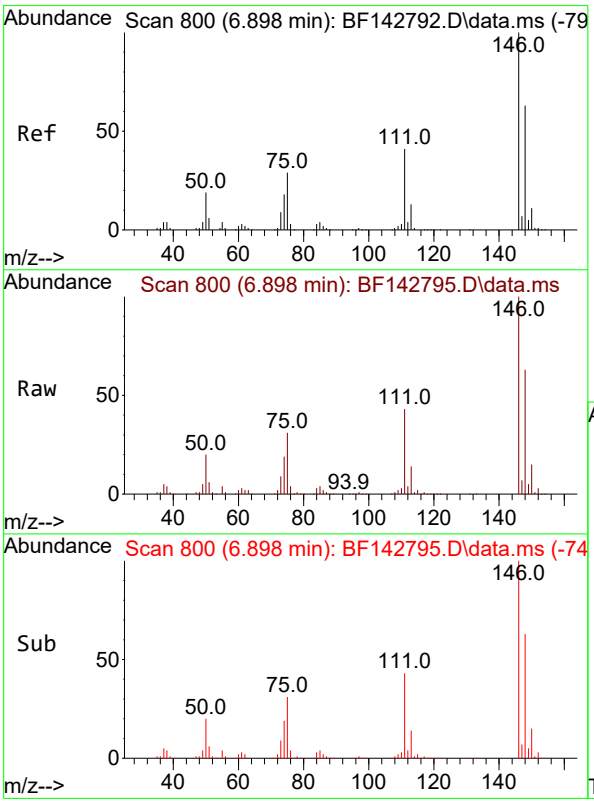

#12
1,3-Dichlorobenzene
Concen: 74.190 ng
RT: 6.822 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:146 Resp: 420352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 51.1 | 76.7 |
| 75 | 30.2 | 22.7 | 34.1 |

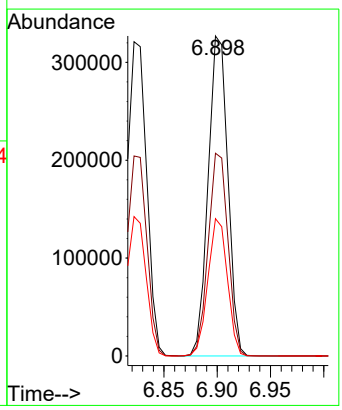


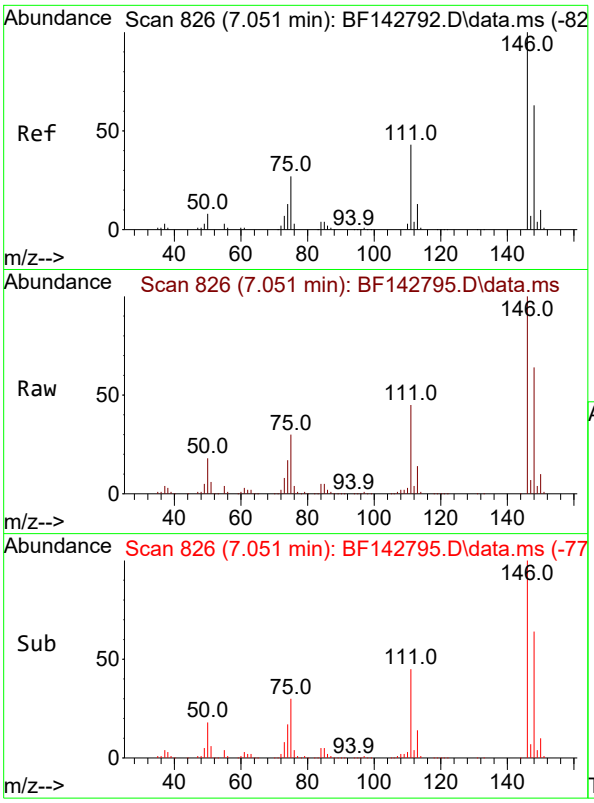




#13
1,4-Dichlorobenzene
Concen: 73.115 ng
RT: 6.898 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:146 Resp: 419873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.4 | 50.2 | 75.2 |
| 111 | 42.9 | 33.2 | 49.8 |



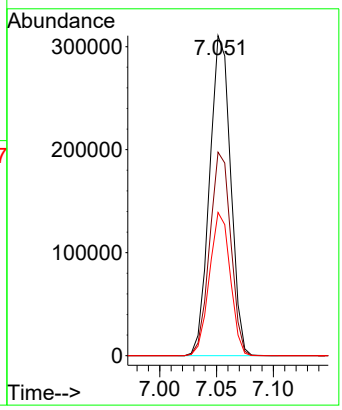


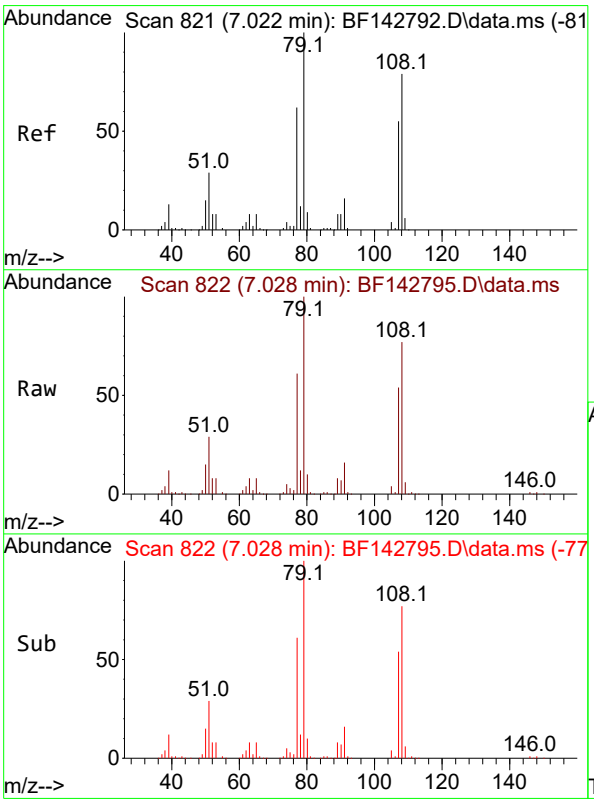

#14
1,2-Dichlorobenzene
Concen: 72.897 ng
RT: 7.051 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:146 Resp: 400191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 50.4 | 75.6 |
| 111 | 44.8 | 34.1 | 51.1 |

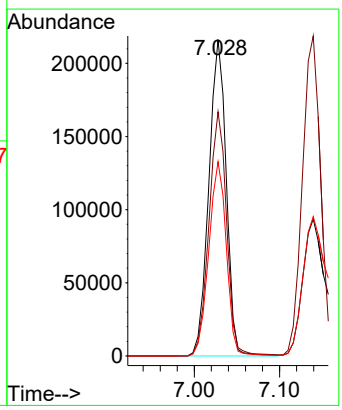


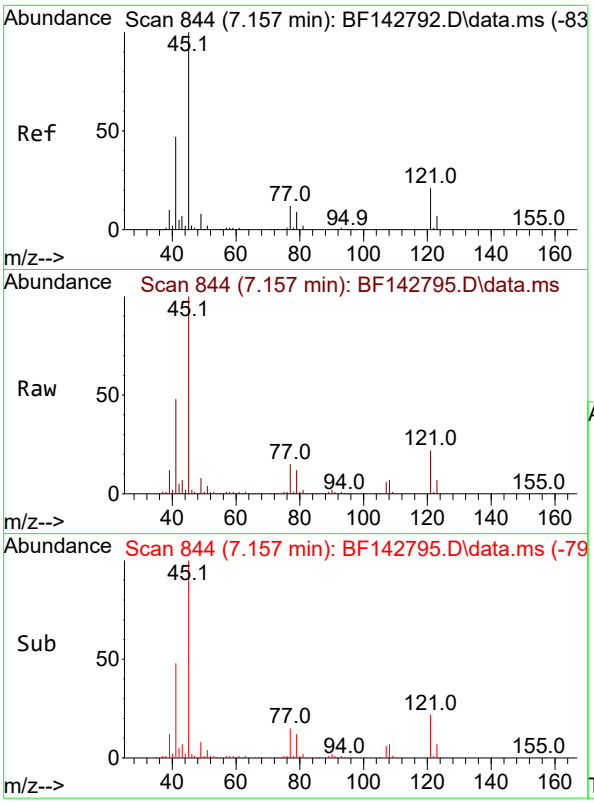




#15
Benzyl Alcohol
Concen: 76.460 ng
RT: 7.028 min Scan# 822
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 79 Resp: 307100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 77.2 | 63.4 | 95.0 |
| 77 | 61.4 | 49.5 | 74.3 |



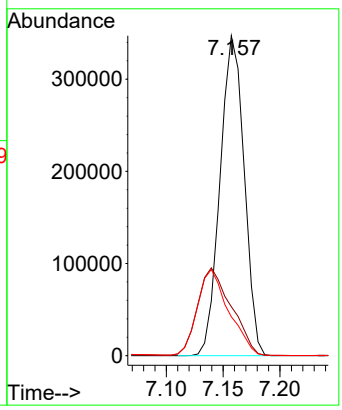


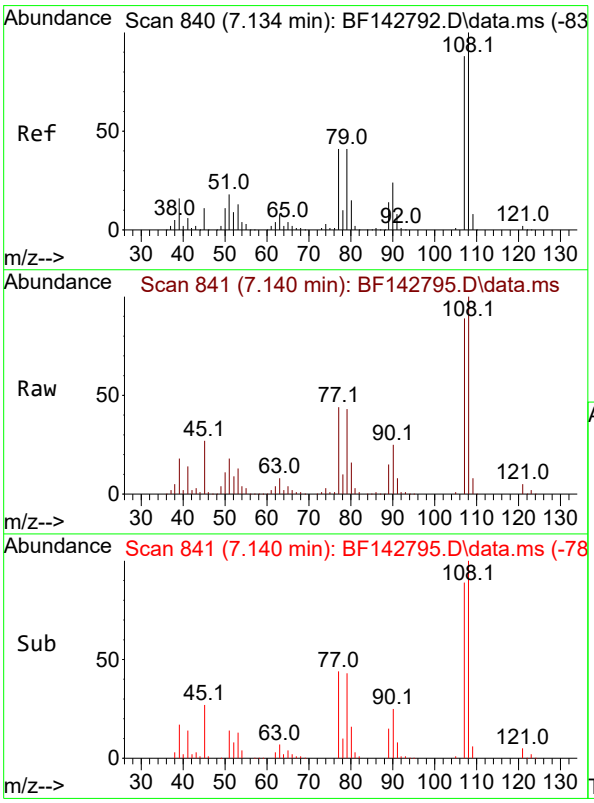

#16
2,2'-oxybis(1-Chloropropane)
Concen: 73.285 ng
RT: 7.157 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 45 Resp: 512514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 15.3 | 0.0 | 32.8 |
| 79 | 12.1 | 0.0 | 29.8 |

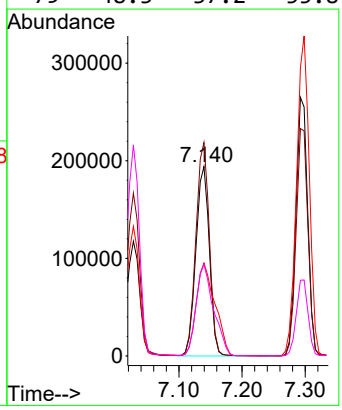


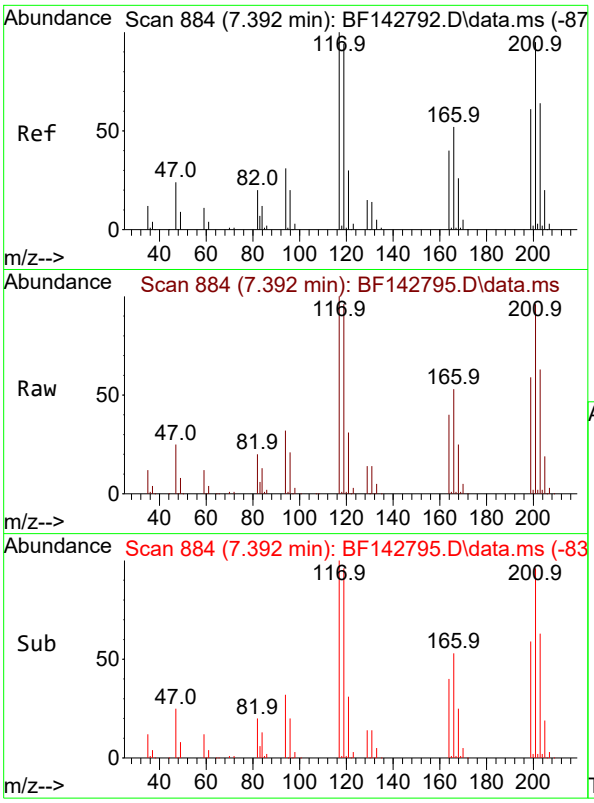




#17
2-Methylphenol
Concen: 76.123 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:107 Resp: 289573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.7 | 90.9 | 136.3 |
| 77 | 49.1 | 37.3 | 55.9 |
| 79 | 48.3 | 37.2 | 55.8 |



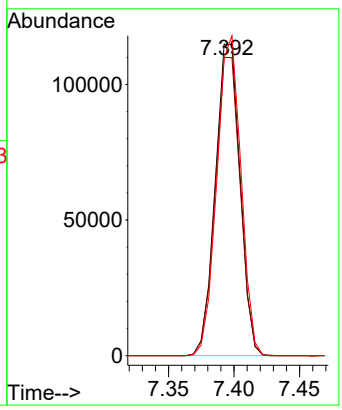


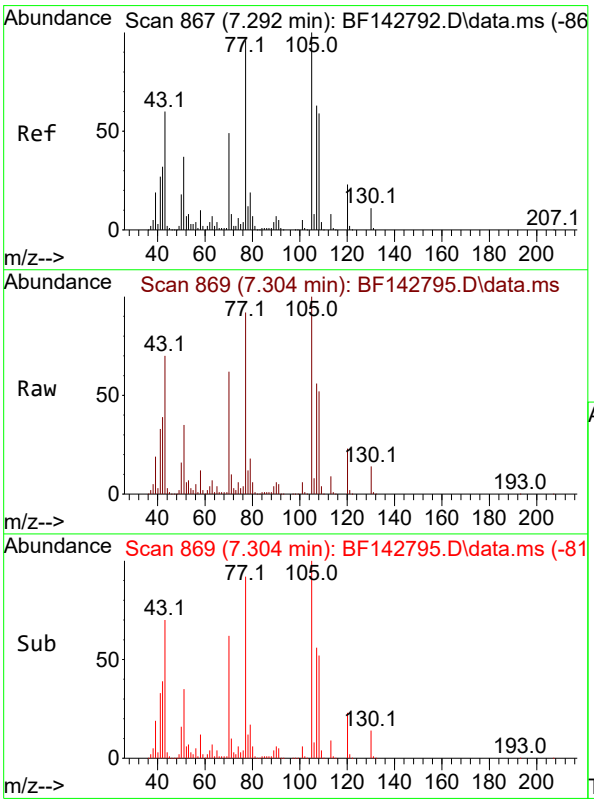

#18
Hexachloroethane
Concen: 73.550 ng
RT: 7.392 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:117 Resp: 150991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.7 | 75.4 | 113.0 |
| 201 | 95.5 | 75.9 | 113.9 |

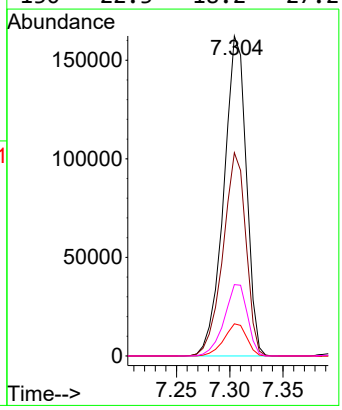


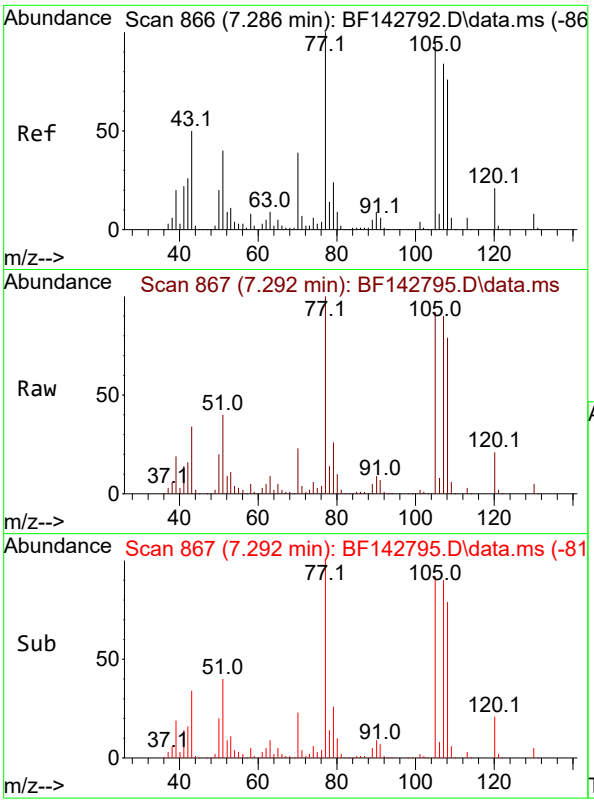




#19
n-Nitroso-di-n-propylamine
Concen: 70.563 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 70 Resp: 238778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 63.5 | 52.1 | 78.1 |
| 101 | 10.0 | 8.2 | 12.2 |
| 130 | 22.3 | 18.2 | 27.2 |



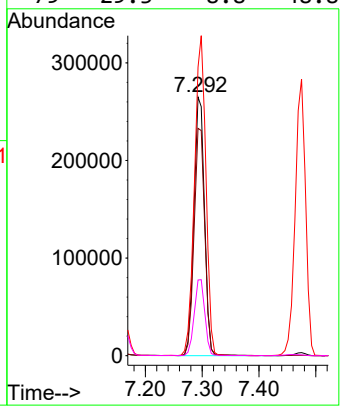


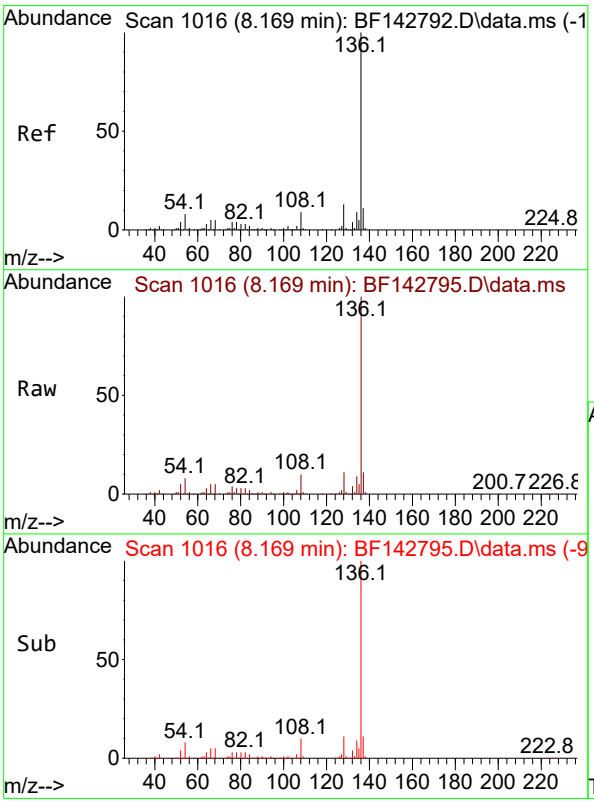

#20
3+4-Methylphenols
Concen: 72.154 ng
RT: 7.292 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:107 Resp: 345456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 87.9 | 70.0 | 110.0 |
| 77 | 111.5 | 98.5 | 138.5 |
| 79 | 29.3 | 8.8 | 48.8 |

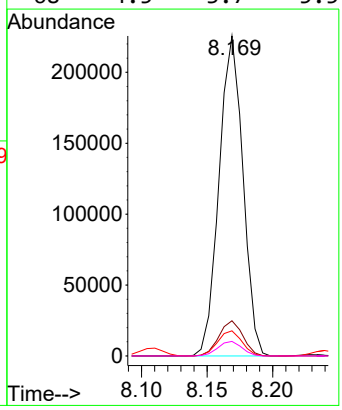


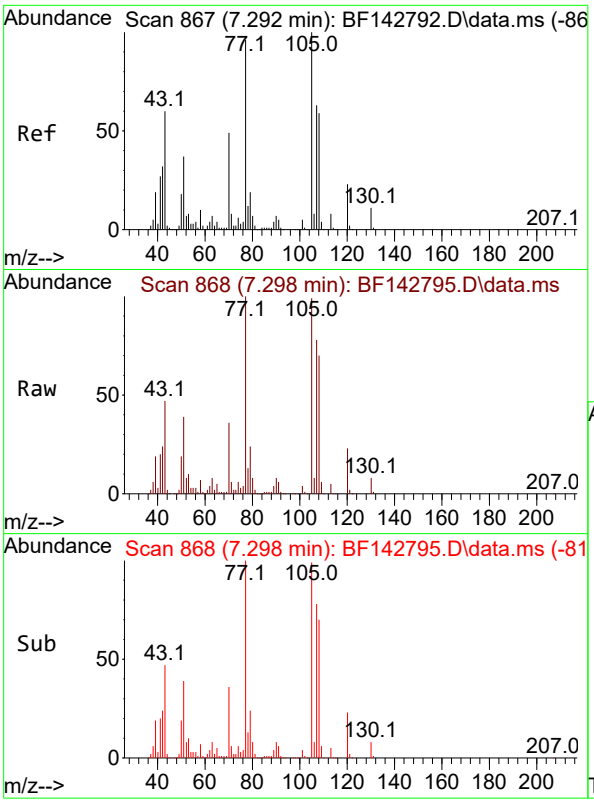




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:136 Resp: 285299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.4 | 12.6 |
| 54 | 7.9 | 6.3 | 9.5 |
| 68 | 4.5 | 3.7 | 5.5 |



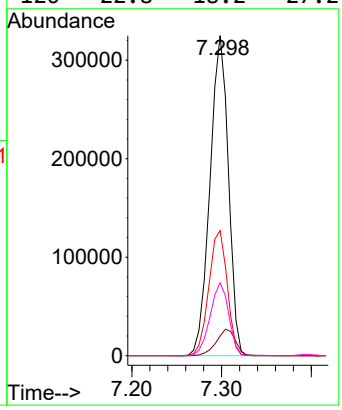


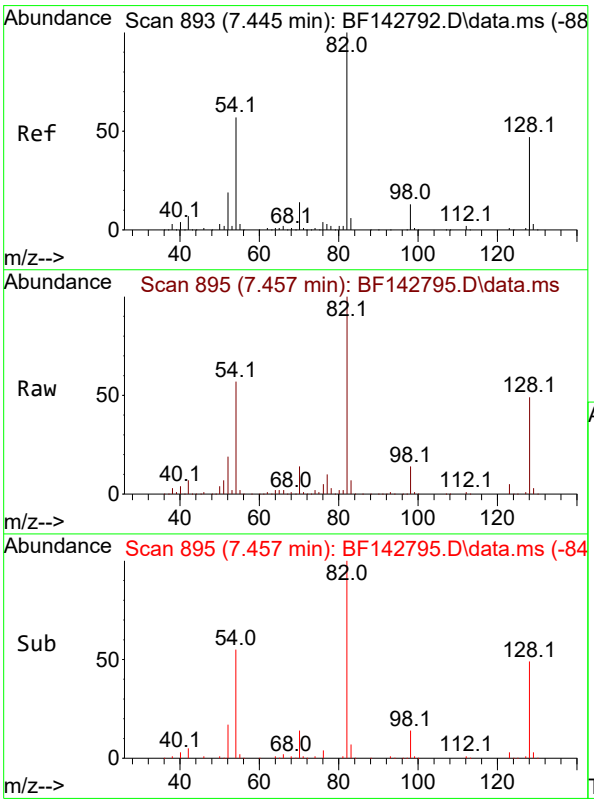

#22
Acetophenone
Concen: 73.349 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:105 Resp: 463019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.2 | 6.5 | 9.7# |
| 51 | 39.1 | 29.8 | 44.8 |
| 120 | 22.8 | 18.2 | 27.2 |

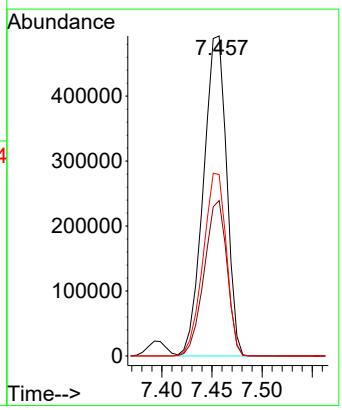


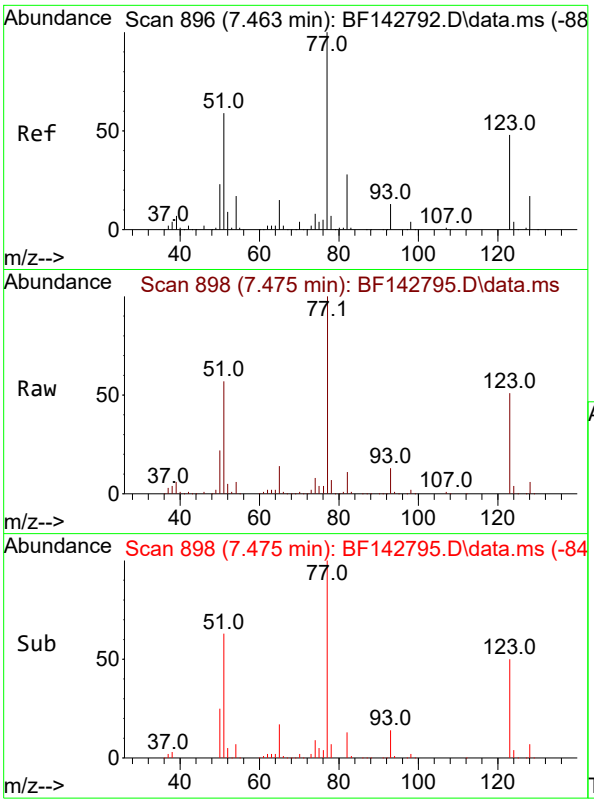




#23
Nitrobenzene-d5
Concen: 152.234 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 82 Resp: 792380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.5 | 37.7 | 56.5 |
| 54 | 56.7 | 45.7 | 68.5 |



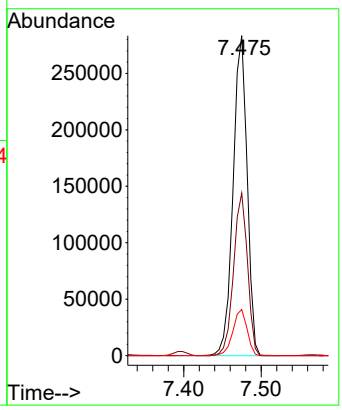


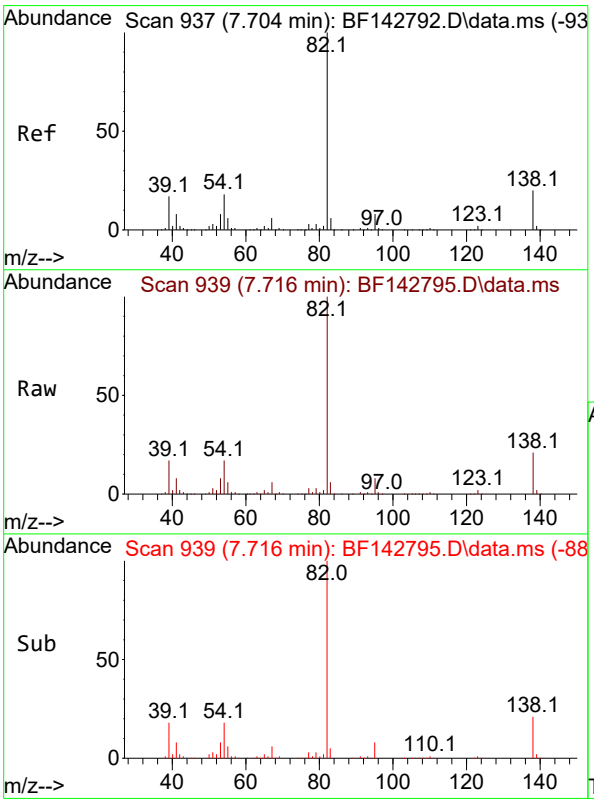

#24
Nitrobenzene
Concen: 77.574 ng
RT: 7.475 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 77 Resp: 358834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 50.8 | 39.2 | 58.8 |
| 65 | 14.4 | 11.6 | 17.4 |

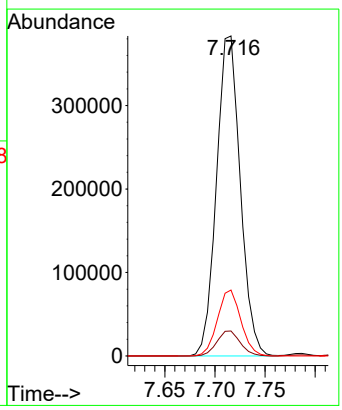


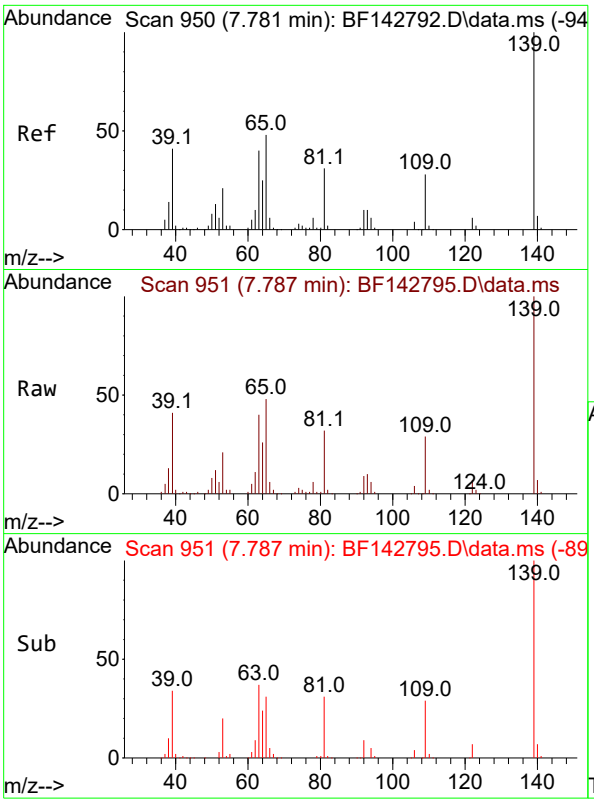




#25
Isophorone
Concen: 72.447 ng
RT: 7.716 min Scan# 939
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 82 Resp: 632390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.8 | 6.2 | 9.2 |
| 138 | 20.6 | 16.2 | 24.4 |



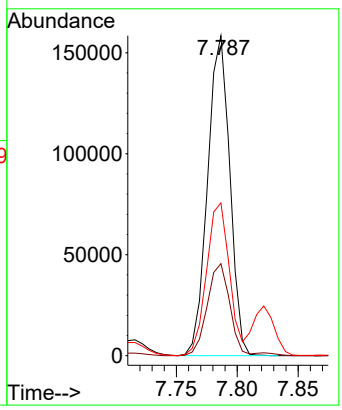


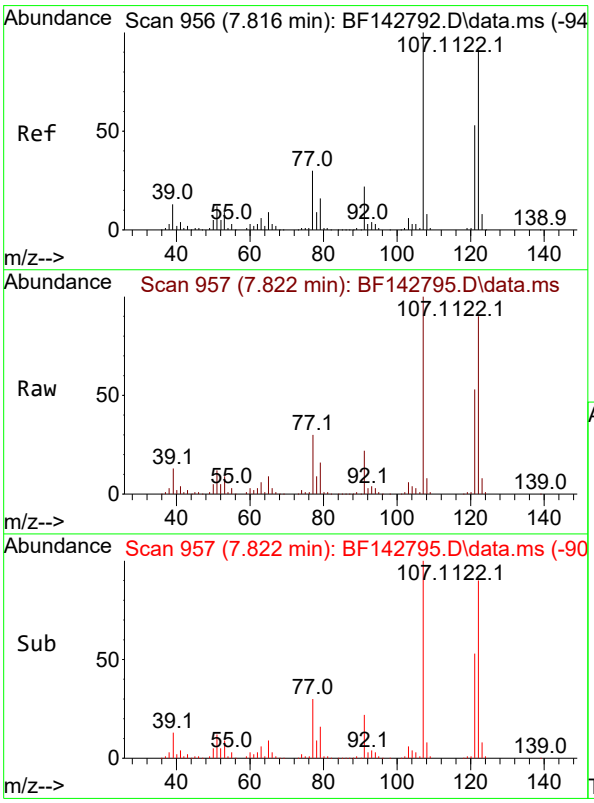

#26
2-Nitrophenol
Concen: 78.009 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:139 Resp: 201064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 28.8 | 22.7 | 34.1 |
| 65 | 47.8 | 38.6 | 58.0 |

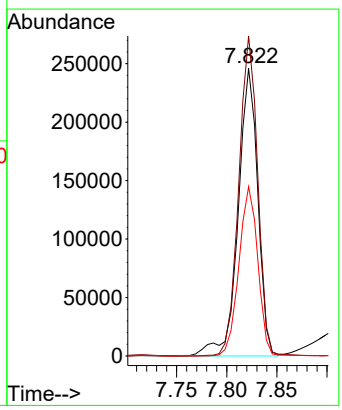


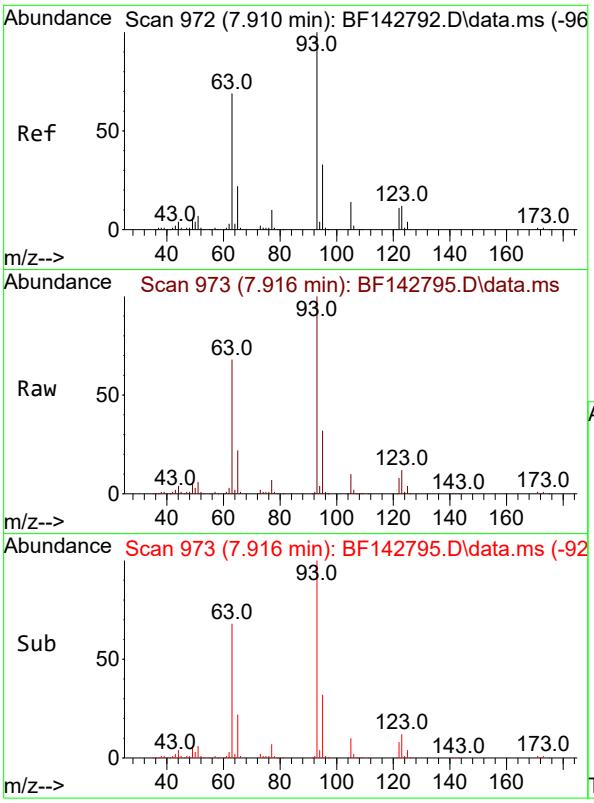




#27
2,4-Dimethylphenol
Concen: 76.518 ng
RT: 7.822 min Scan# 957
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:122 Resp: 335771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 111.2 | 88.0 | 132.0 |
| 121 | 58.9 | 46.3 | 69.5 |



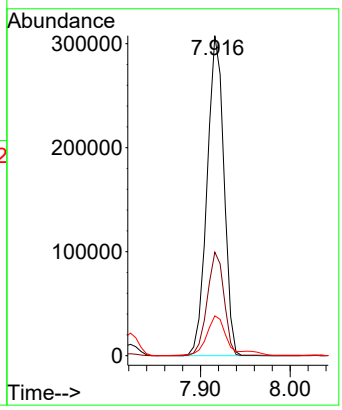


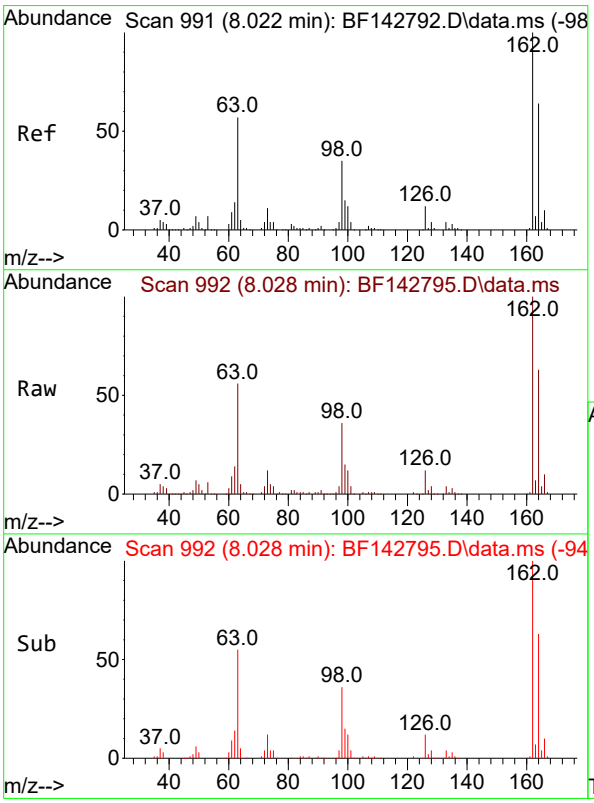

#28
bis(2-Chloroethoxy)methane
Concen: 73.793 ng
RT: 7.916 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 93 Resp: 400973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.3 | 26.2 | 39.2 |
| 123 | 12.4 | 9.9 | 14.9 |

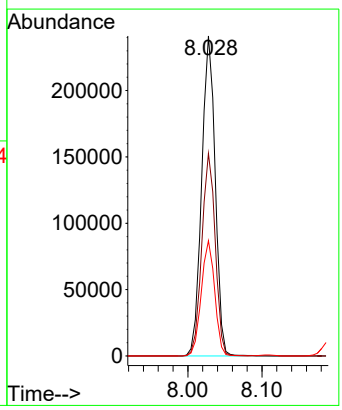


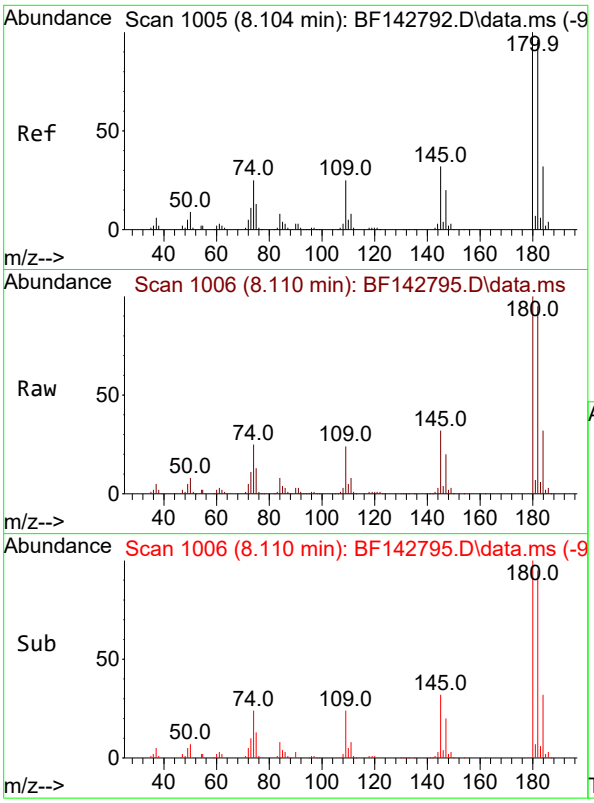




#29
2,4-Dichlorophenol
Concen: 75.689 ng
RT: 8.028 min Scan# 992
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:162 Resp: 306123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.3 | 44.0 | 84.0 |
| 98 | 36.0 | 15.4 | 55.4 |



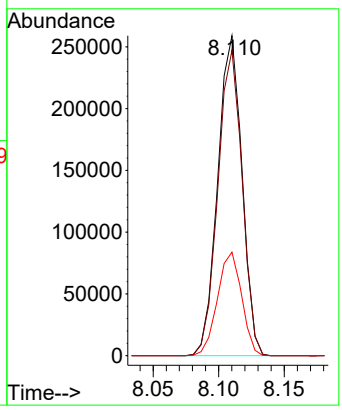


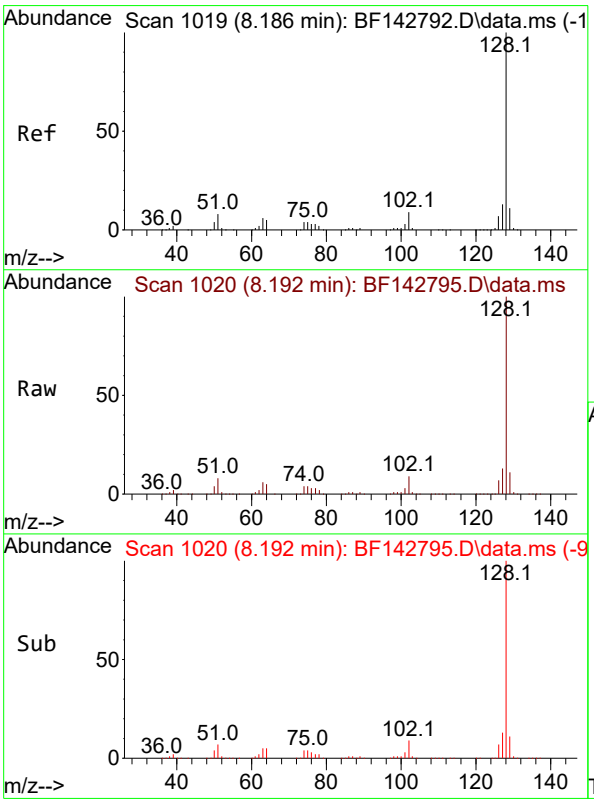

#30
1,2,4-Trichlorobenzene
Concen: 74.472 ng
RT: 8.110 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:180 Resp: 332721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.4 | 76.4 | 114.6 |
| 145 | 32.3 | 25.8 | 38.8 |

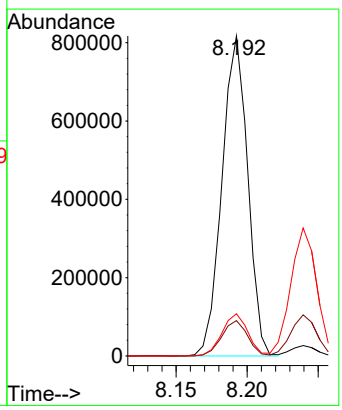


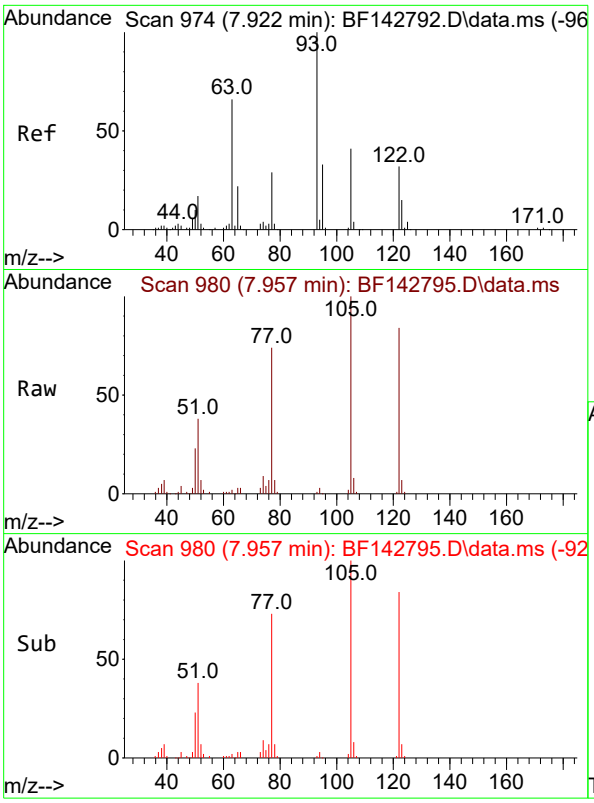




#31
Naphthalene
Concen: 73.342 ng
RT: 8.192 min Scan# 1020
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:128 Resp: 1029082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.9 | 13.3 |
| 127 | 13.2 | 10.4 | 15.6 |



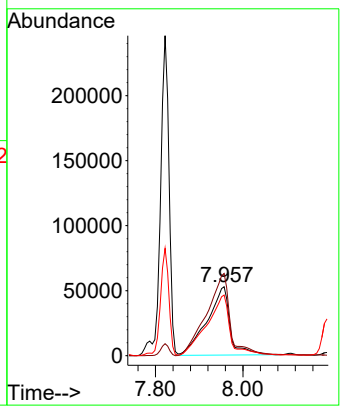


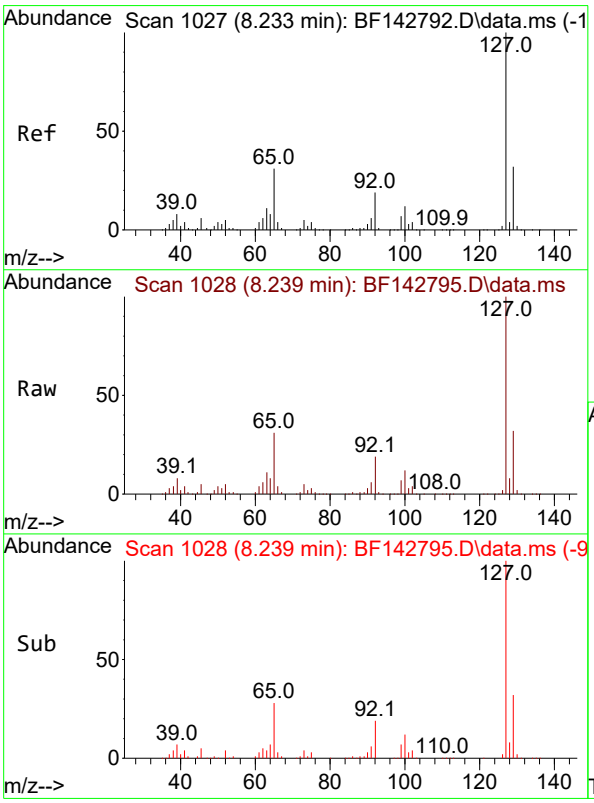

#32
Benzoic acid
Concen: 79.082 ng
RT: 7.957 min Scan# 9
Delta R.T. 0.035 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:122 Resp: 192536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 119.5 | 104.7 | 144.7 |
| 77 | 88.0 | 70.2 | 110.2 |

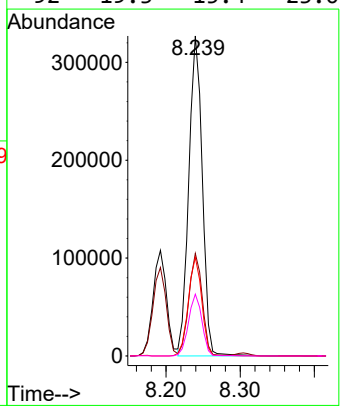


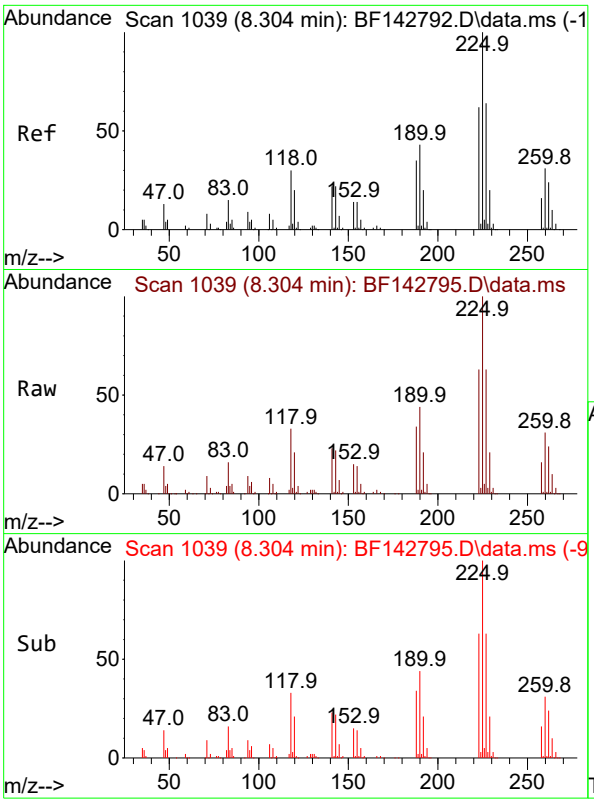




#33
4-Chloroaniline
Concen: 73.608 ng
RT: 8.239 min Scan# 1028
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:127 Resp: 413911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.1 | 25.9 | 38.9 |
| 65 | 30.8 | 24.6 | 36.8 |
| 92 | 19.3 | 15.4 | 23.0 |



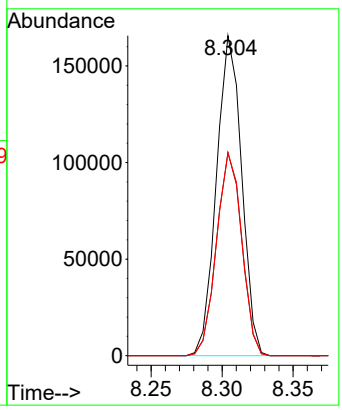


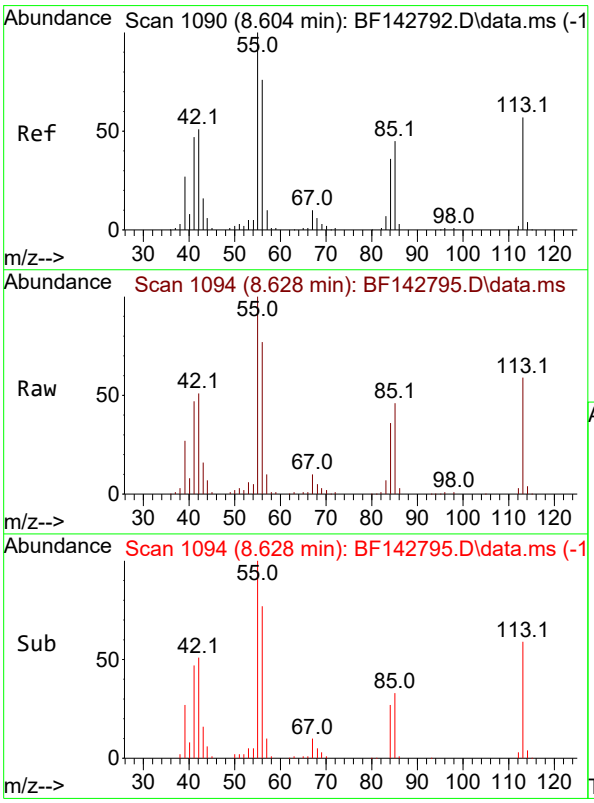

#34
Hexachlorobutadiene
Concen: 72.088 ng
RT: 8.304 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:225 Resp: 204081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.4 | 49.9 | 74.9 |
| 227 | 63.5 | 51.4 | 77.0 |

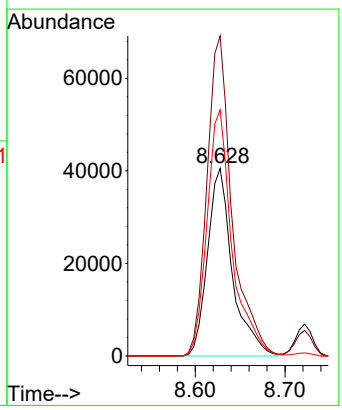


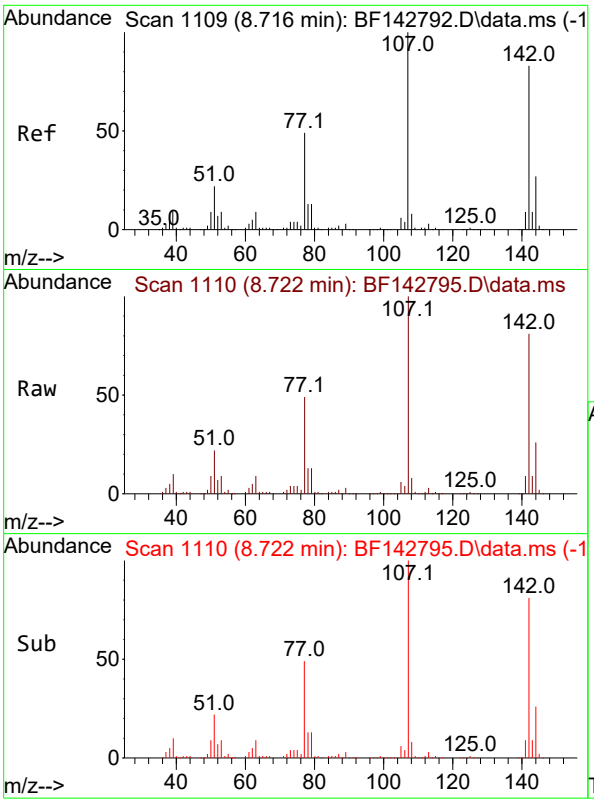




#35
Caprolactam
Concen: 71.952 ng
RT: 8.628 min Scan# 1094
Delta R.T. 0.024 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:113 Resp: 78302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 170.6 | 154.4 | 194.4 |
| 56 | 131.2 | 112.1 | 152.1 |



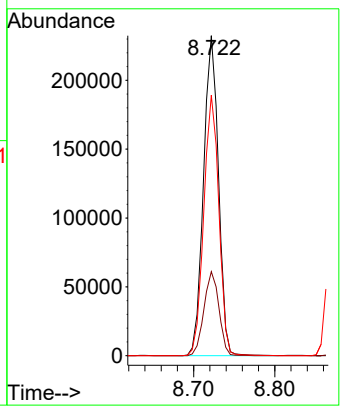


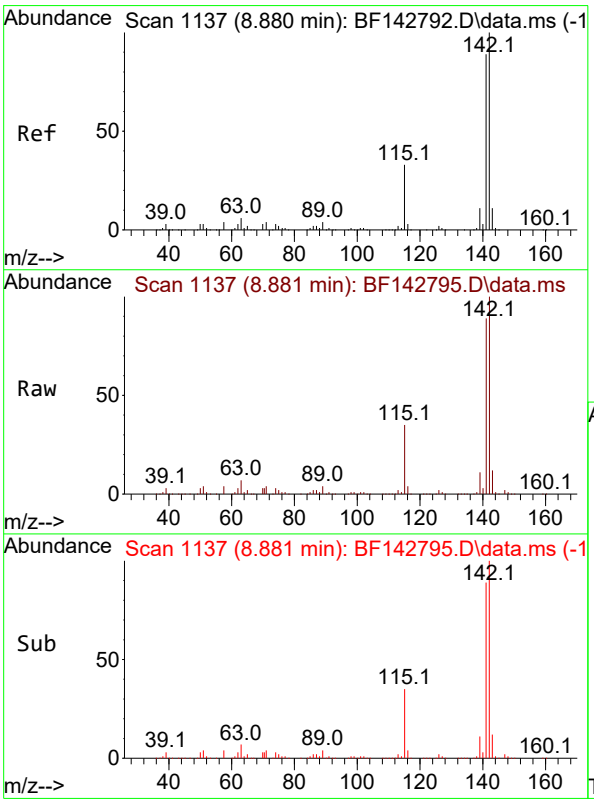

#36
4-Chloro-3-methylphenol
Concen: 70.974 ng
RT: 8.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:107 Resp: 296520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.2 | 21.3 | 31.9 |
| 142 | 81.4 | 66.6 | 100.0 |

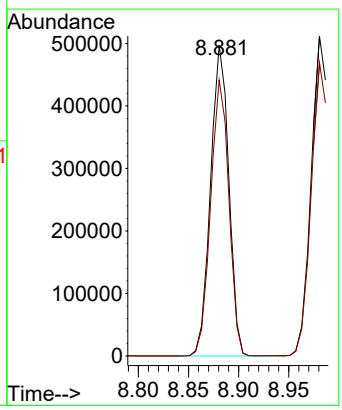


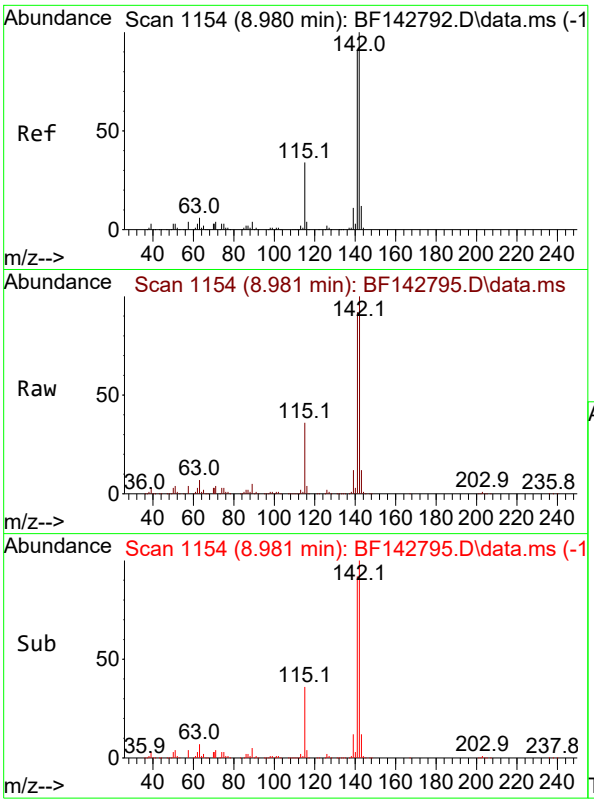




#37
2-Methylnaphthalene
Concen: 70.857 ng
RT: 8.881 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:142 Resp: 627195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.8 | 70.9 | 106.3 |



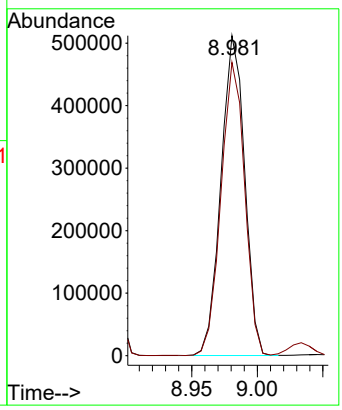


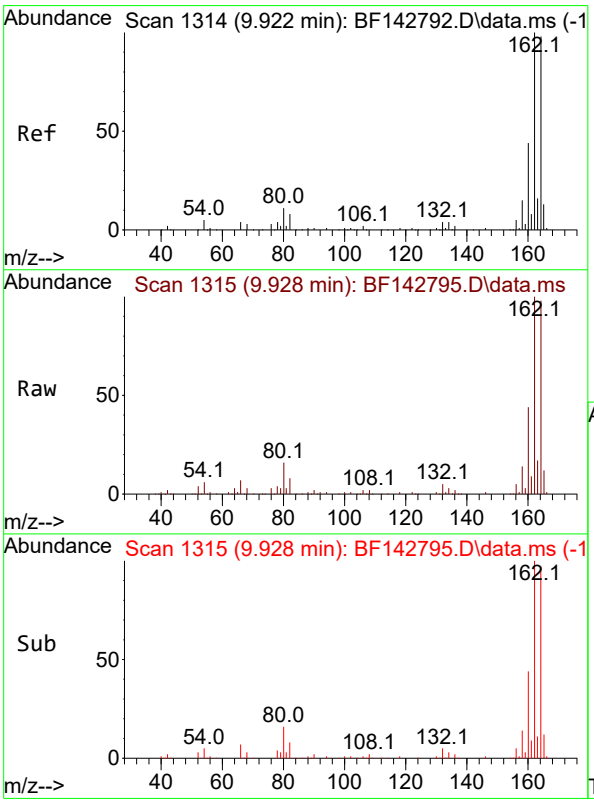

#38
1-Methylnaphthalene
Concen: 69.952 ng
RT: 8.981 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:142 Resp: 642853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.7 | 73.0 | 109.4 |

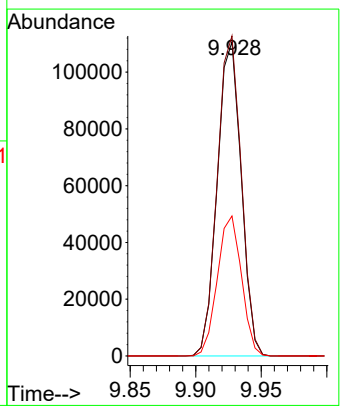


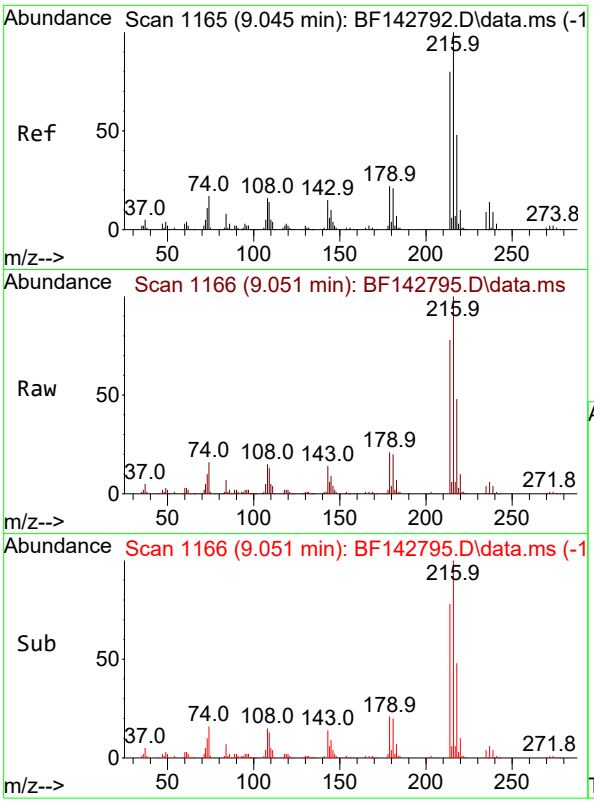




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1315
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:164 Resp: 140262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.9 | 81.8 | 122.8 |
| 160 | 44.6 | 36.0 | 54.0 |



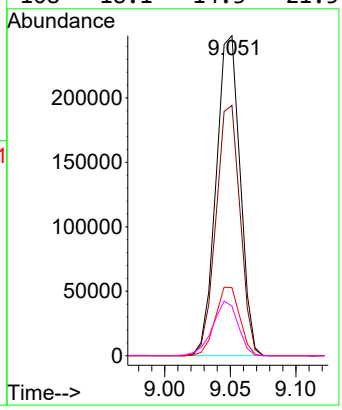


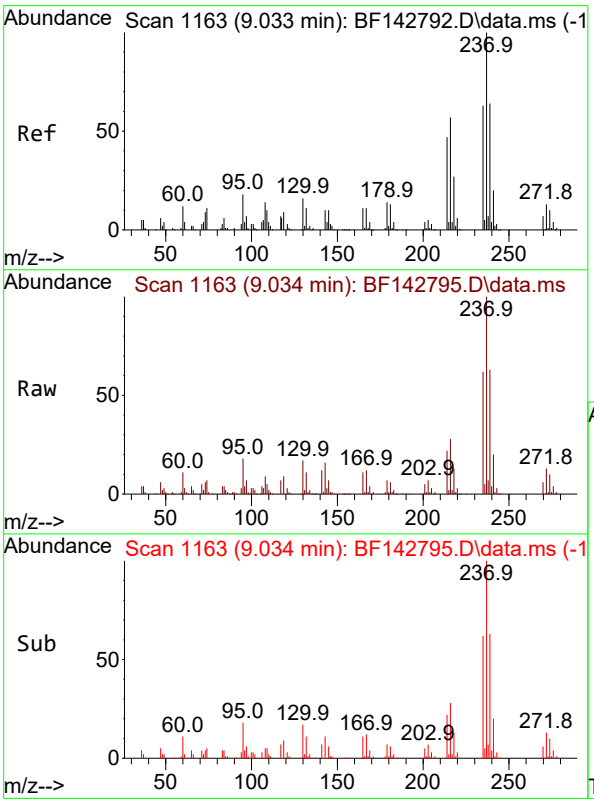

#40
1,2,4,5-Tetrachlorobenzene
Concen: 78.028 ng
RT: 9.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:216 Resp: 315930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.5 | 63.7 | 95.5 |
| 179 | 21.7 | 17.6 | 26.4 |
| 108 | 18.1 | 14.3 | 21.5 |

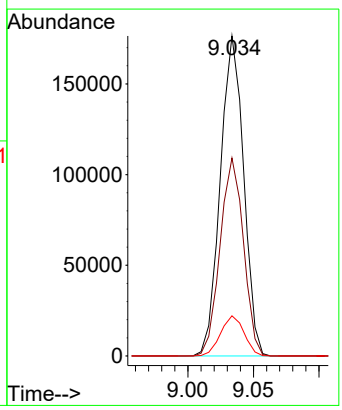


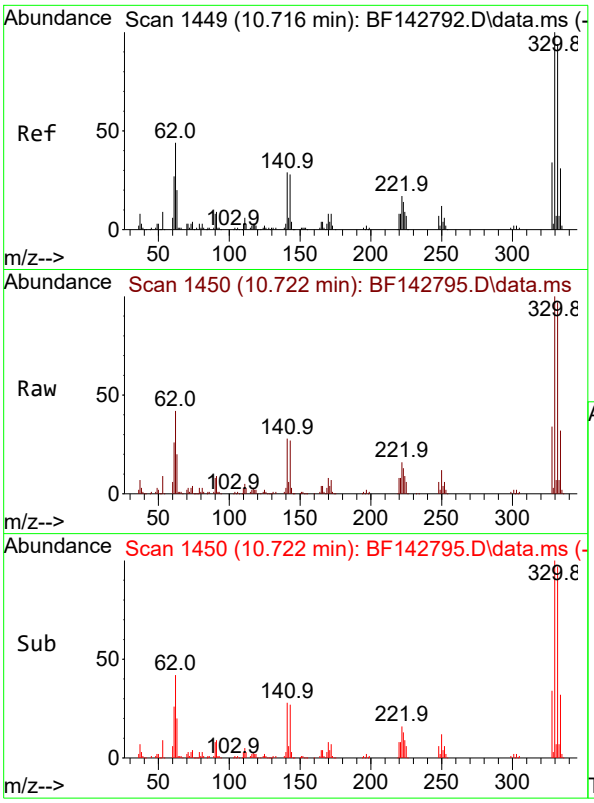




#41
Hexachlorocyclopentadiene
Concen: 85.183 ng
RT: 9.034 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:237 Resp: 218091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.9 | 43.4 | 83.4 |
| 272 | 12.6 | 0.0 | 32.7 |



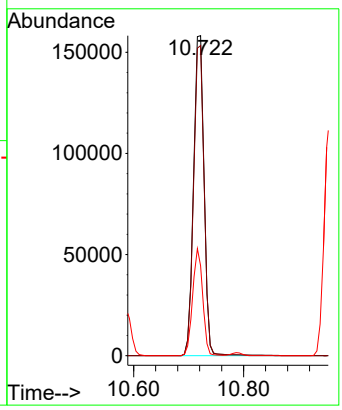


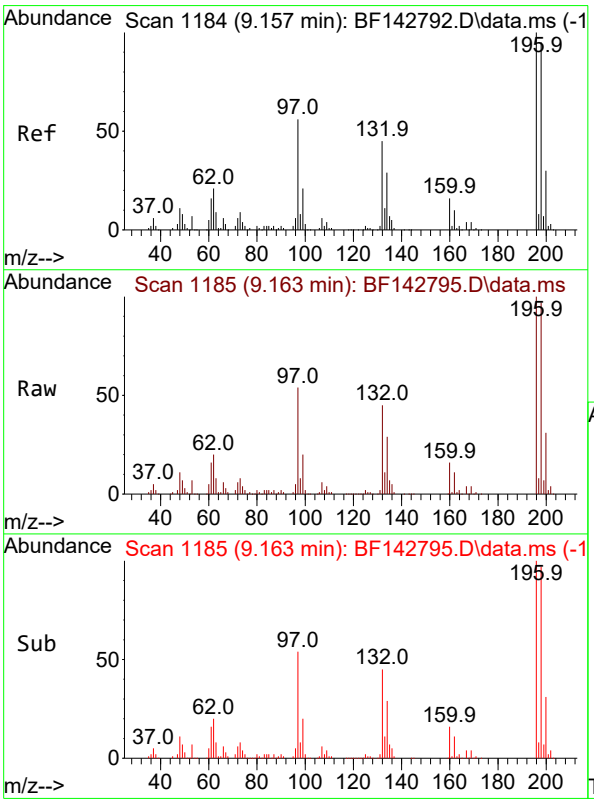

#42
2,4,6-Tribromophenol
Concen: 137.823 ng
RT: 10.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:330 Resp: 210092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 75.0 | 112.6 |
| 141 | 31.9 | 25.3 | 37.9 |

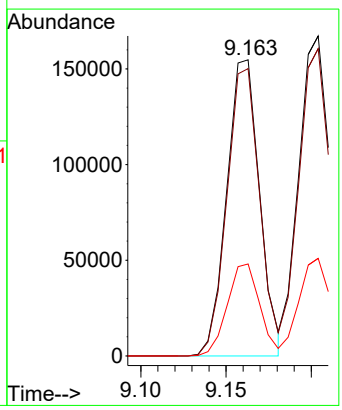


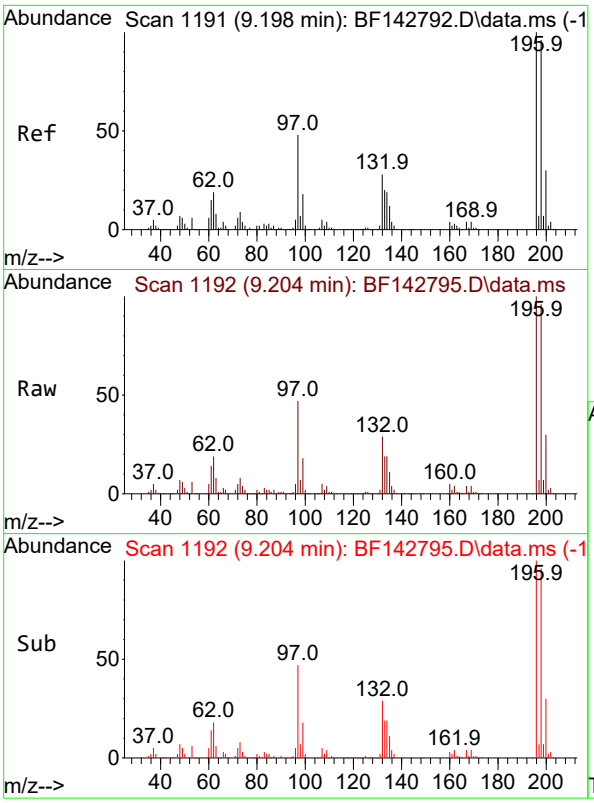




#43
2,4,6-Trichlorophenol
Concen: 79.375 ng
RT: 9.163 min Scan# 1185
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:196 Resp: 207984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.1 | 76.2 | 114.2 |
| 200 | 31.1 | 24.1 | 36.1 |



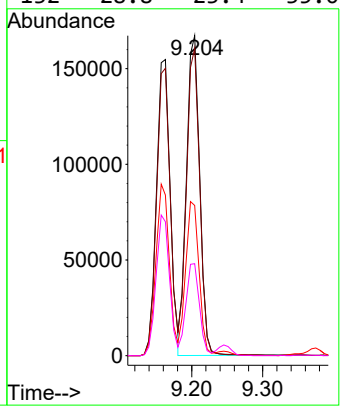


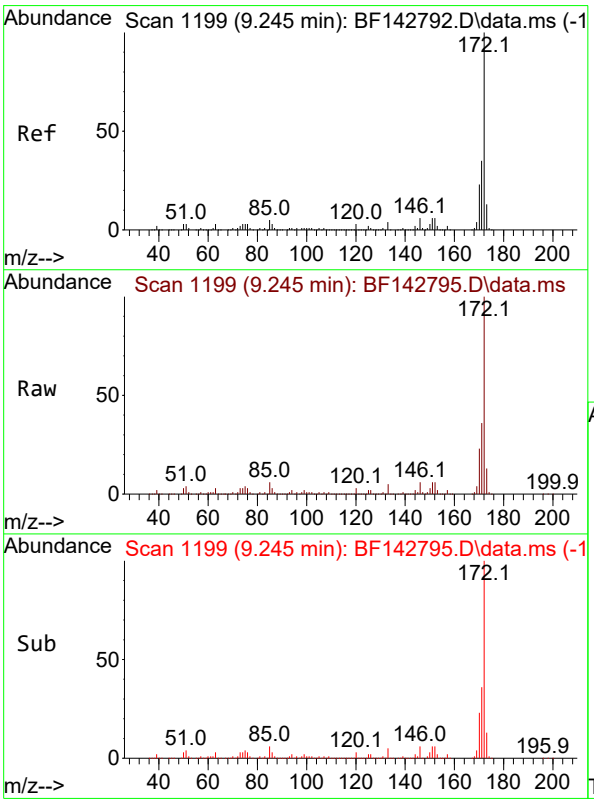

#44
2,4,5-Trichlorophenol
Concen: 76.993 ng
RT: 9.204 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:196 Resp: 217860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.1 | 76.6 | 115.0 |
| 97 | 47.0 | 38.2 | 57.2 |
| 132 | 28.8 | 23.4 | 35.0 |

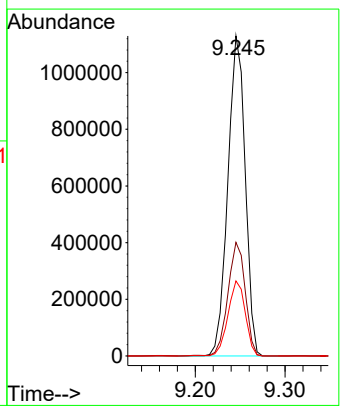


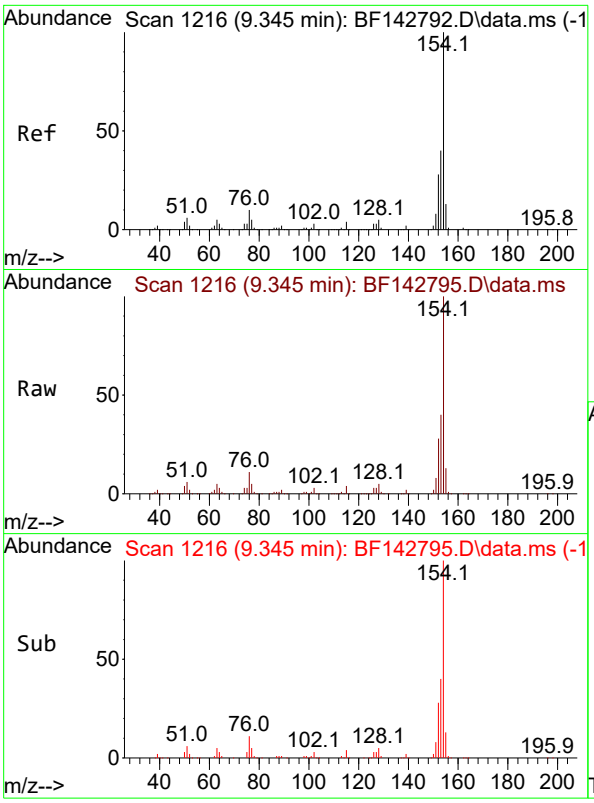




#45
2-Fluorobiphenyl
Concen: 143.770 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:172 Resp: 1515847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 28.2 | 42.4 |
| 170 | 23.5 | 18.5 | 27.7 |



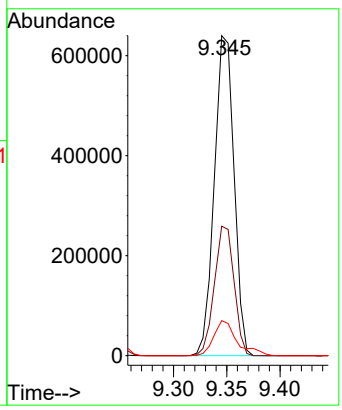


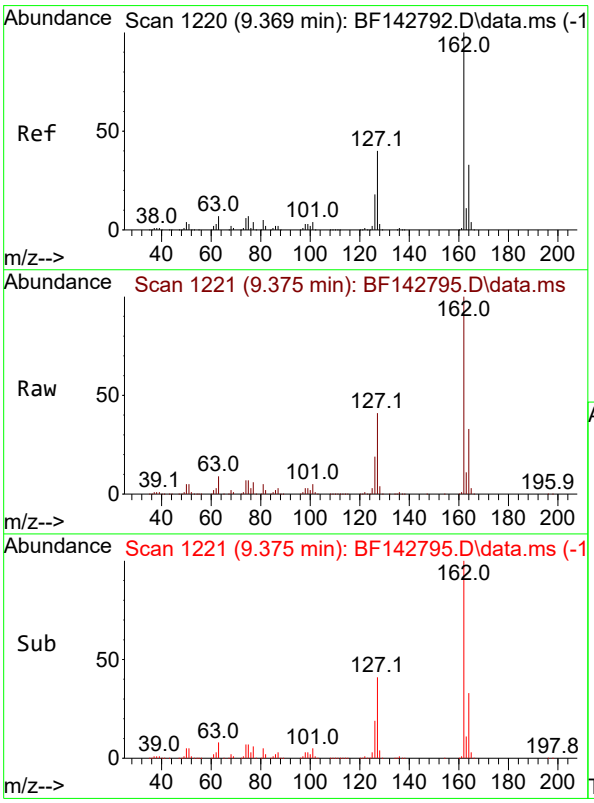

#46
1,1'-Biphenyl
Concen: 75.525 ng
RT: 9.345 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:154 Resp: 822529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.4 | 20.3 | 60.3 |
| 76 | 10.9 | 0.0 | 30.3 |

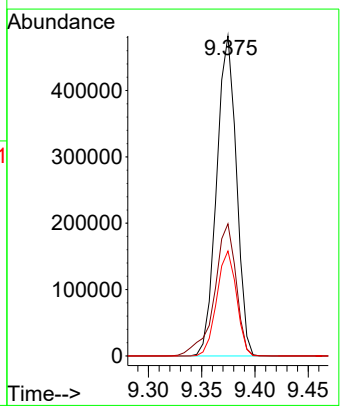


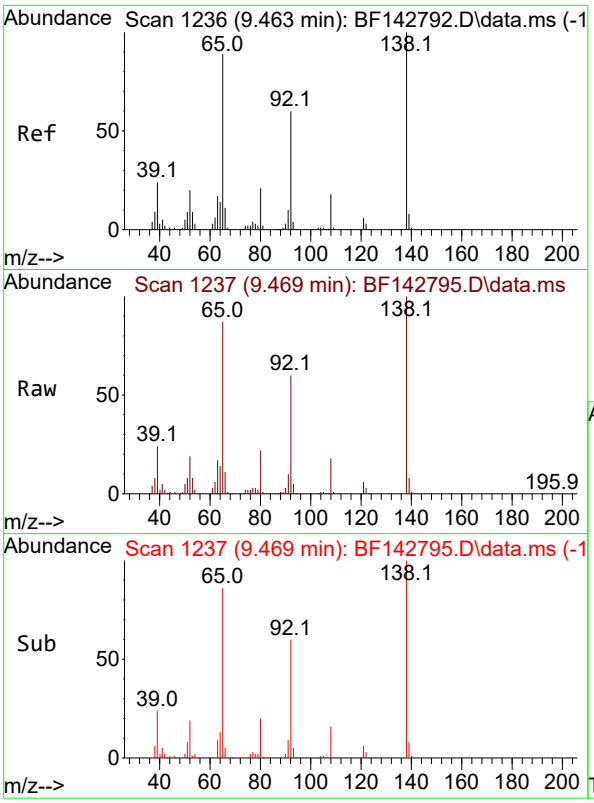




#47
2-Chloronaphthalene
Concen: 77.199 ng
RT: 9.375 min Scan# 1221
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:162 Resp: 620399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.3 | 32.2 | 48.2 |
| 164 | 32.8 | 26.1 | 39.1 |



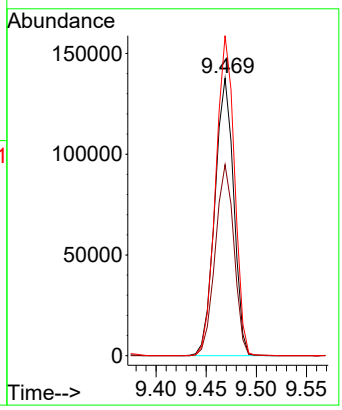


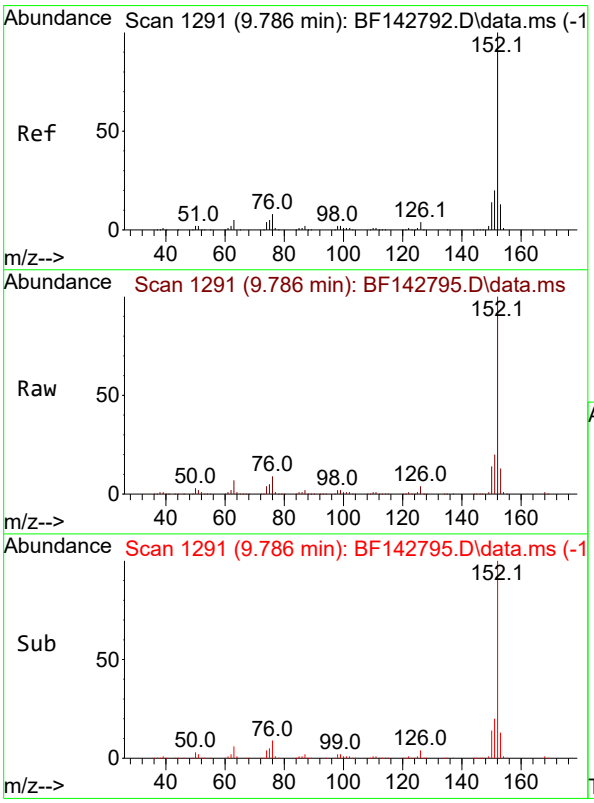

#48
2-Nitroaniline
Concen: 78.716 ng
RT: 9.469 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 65 Resp: 179718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 68.8 | 53.8 | 80.6 |
| 138 | 115.3 | 89.6 | 134.4 |

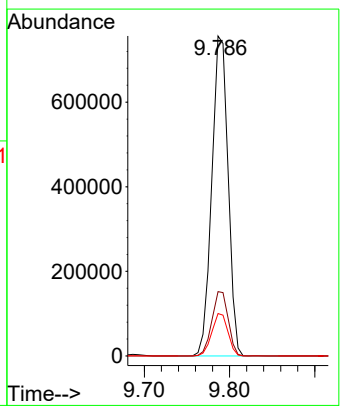


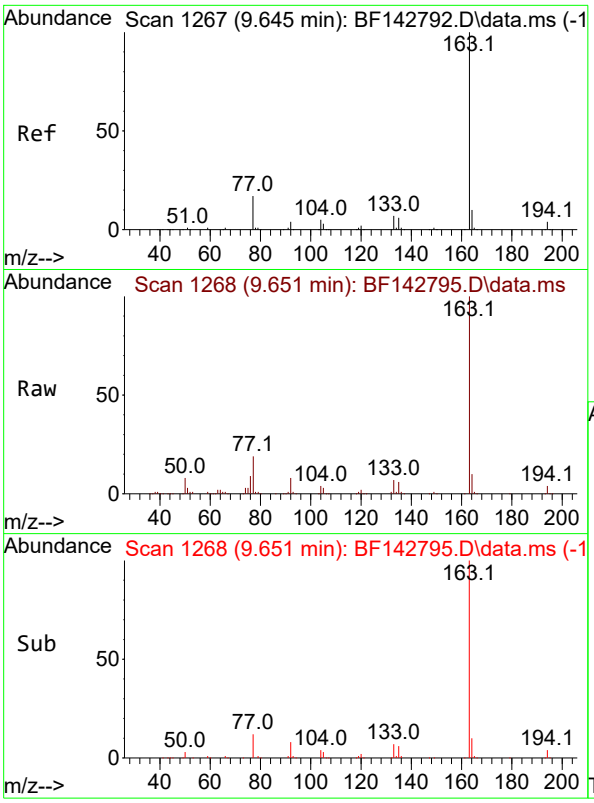




#49
Acenaphthylene
Concen: 74.207 ng
RT: 9.786 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:152 Resp: 1002569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.1 | 24.1 |
| 153 | 13.2 | 10.4 | 15.6 |



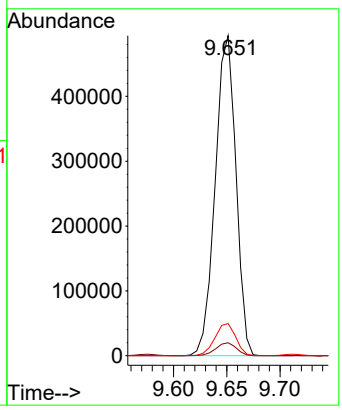


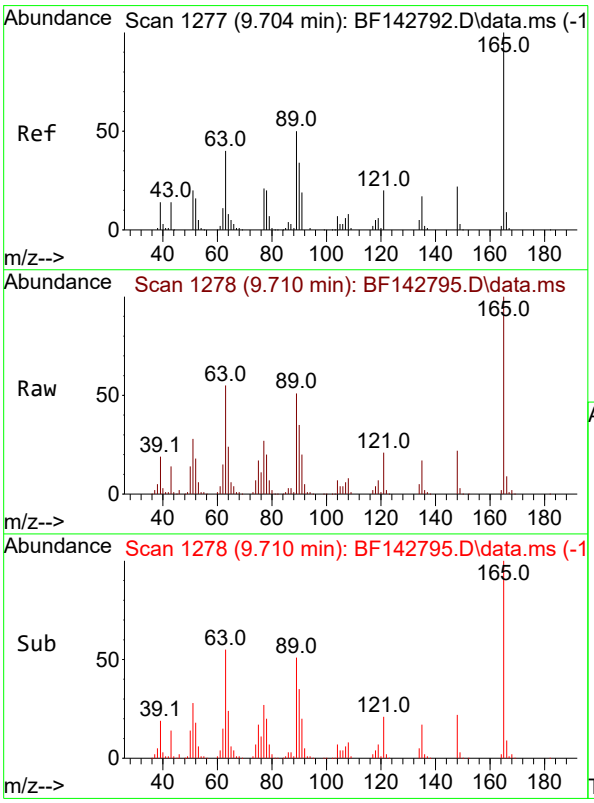

#50
Dimethylphthalate
Concen: 71.510 ng
RT: 9.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:163 Resp: 665322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.3 | 4.9 |
| 164 | 10.1 | 8.0 | 12.0 |

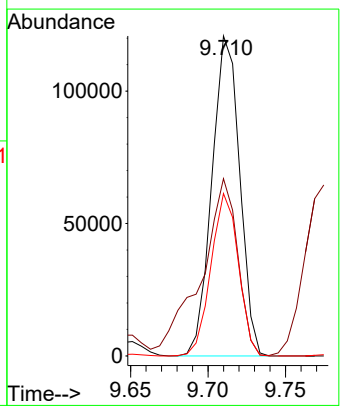


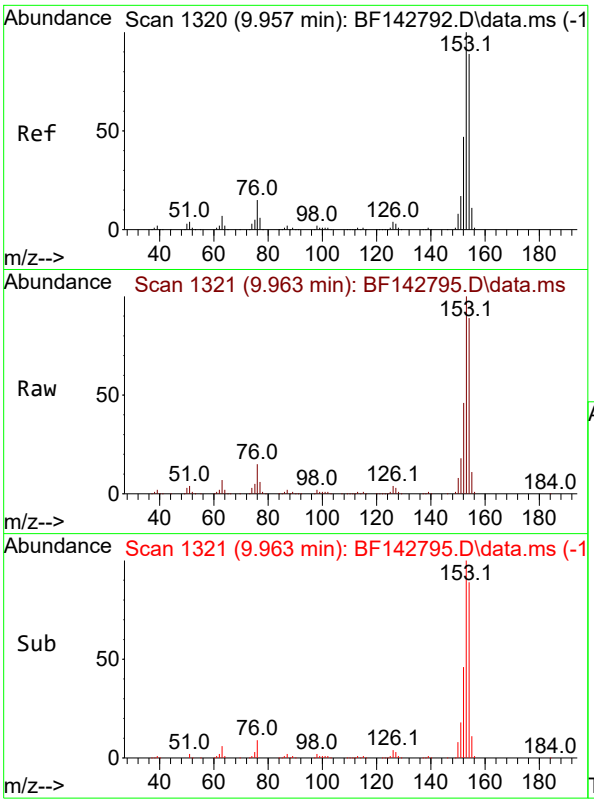




#51
2,6-Dinitrotoluene
Concen: 74.654 ng
RT: 9.710 min Scan# 1278
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:165 Resp: 150567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 55.4 | 44.2 | 66.4 |
| 89 | 50.8 | 39.8 | 59.8 |



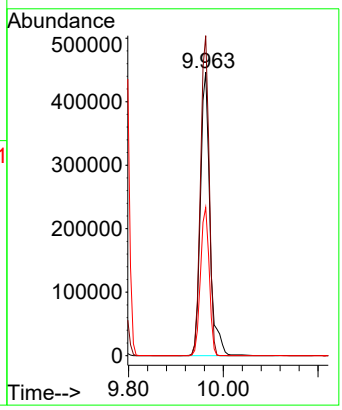


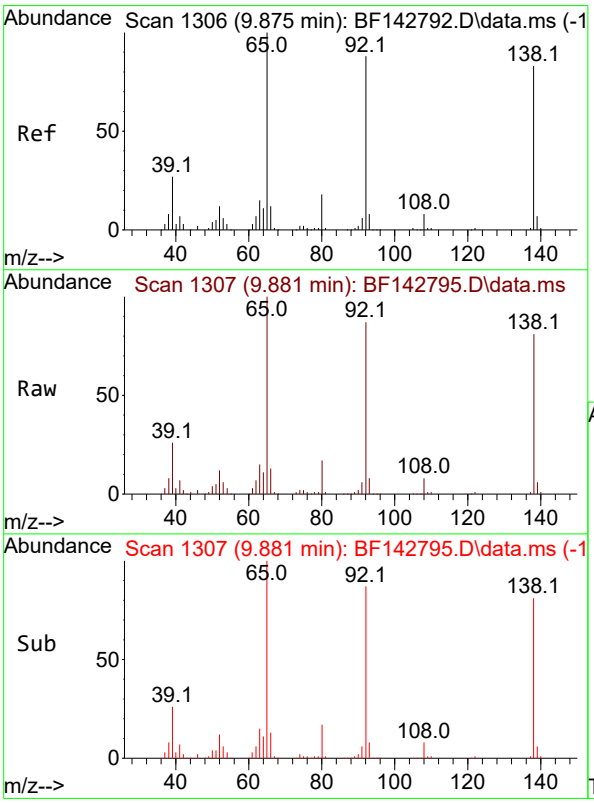

#52
Acenaphthene
Concen: 74.322 ng
RT: 9.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:154 Resp: 621336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.9 | 90.0 | 135.0 |
| 152 | 52.3 | 41.9 | 62.9 |

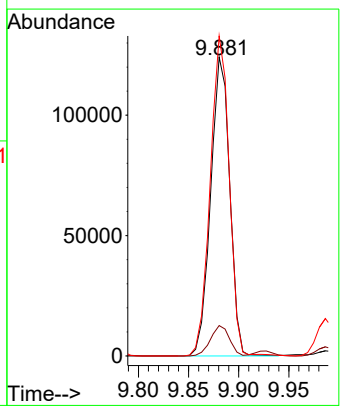


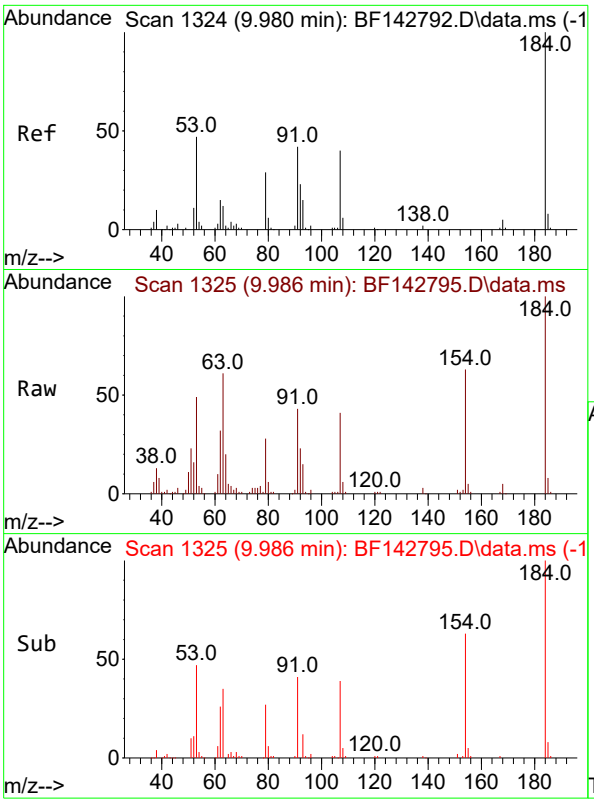




#53
3-Nitroaniline
Concen: 74.903 ng
RT: 9.881 min Scan# 1307
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:138 Resp: 164090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.2 | 8.1 | 12.1 |
| 92 | 107.1 | 85.1 | 127.7 |



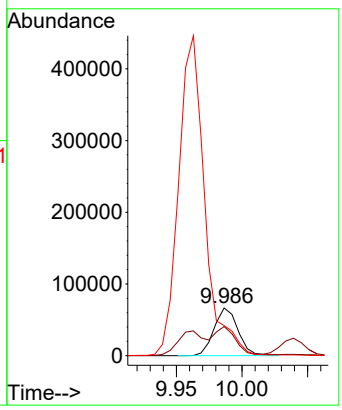


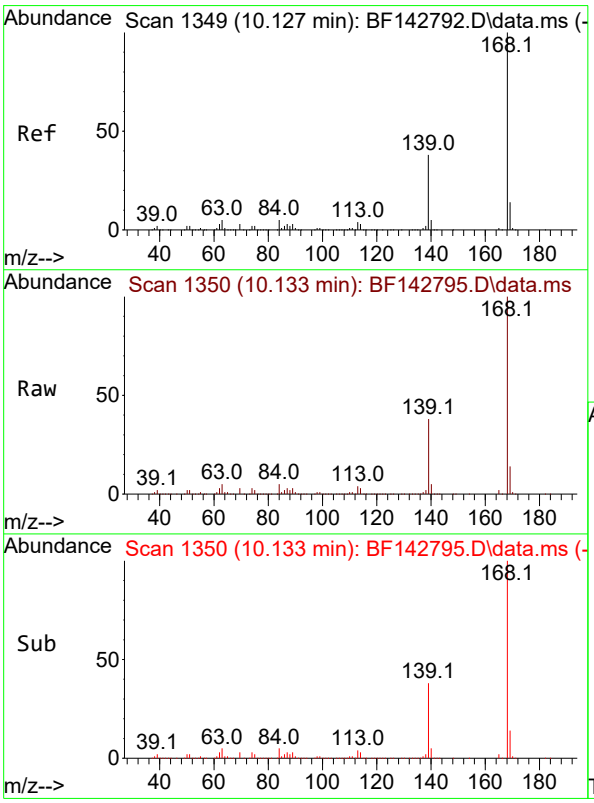

#54
2,4-Dinitrophenol
Concen: 78.050 ng
RT: 9.986 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:184 Resp: 85185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 61.0 | 50.6 | 75.8 |
| 154 | 63.1 | 51.8 | 77.8 |

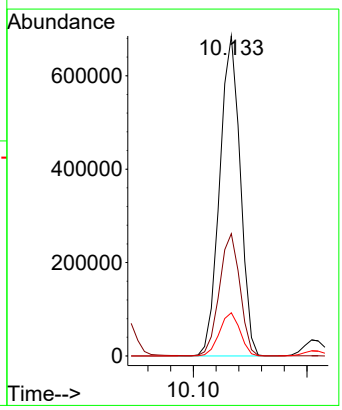


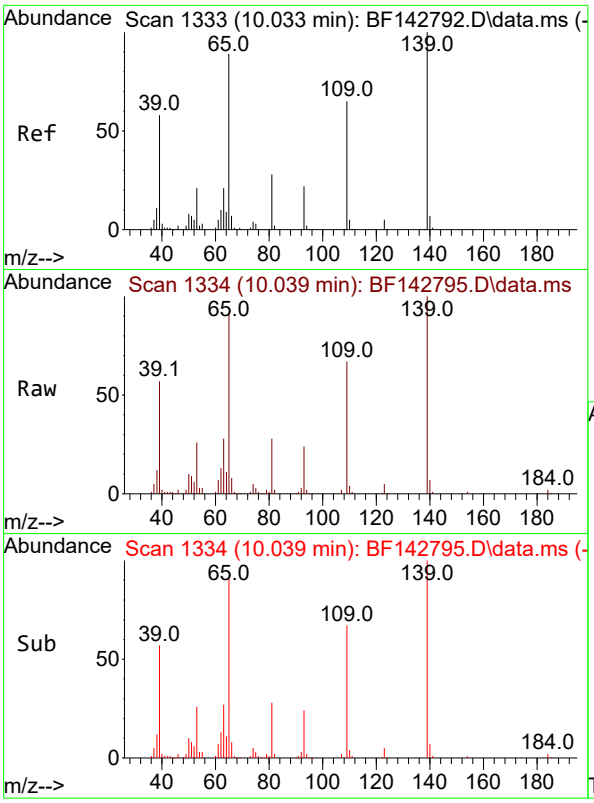




#55
Dibenzofuran
Concen: 72.277 ng
RT: 10.133 min Scan# 1350
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:168 Resp: 862110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.2 | 30.2 | 45.4 |
| 169 | 13.5 | 10.8 | 16.2 |



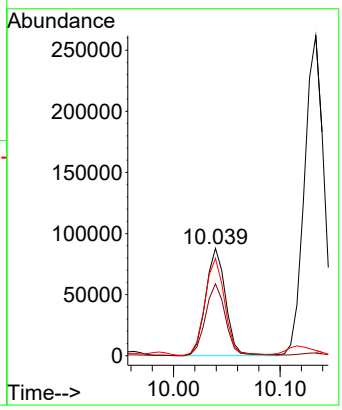


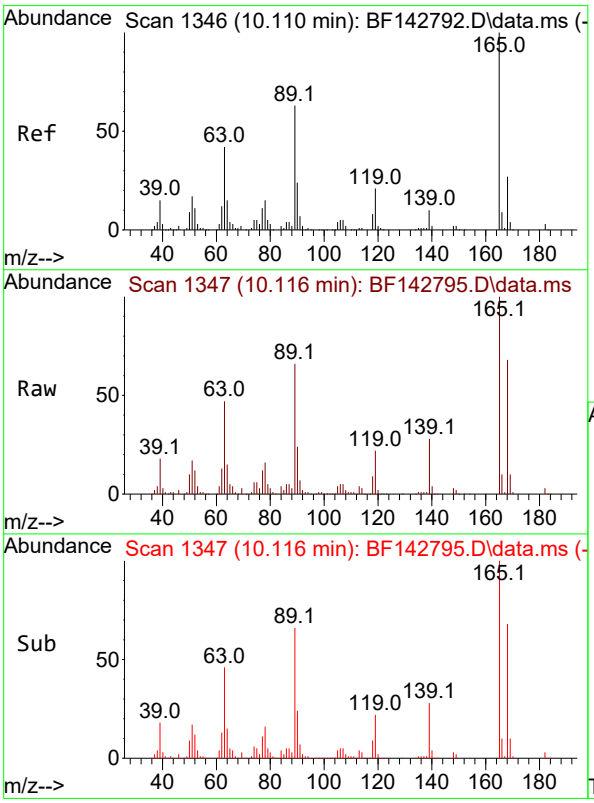

#56
4-Nitrophenol
Concen: 76.771 ng
RT: 10.039 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:139 Resp: 114163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 67.0 | 44.7 | 84.7 |
| 65 | 90.7 | 69.8 | 109.8 |

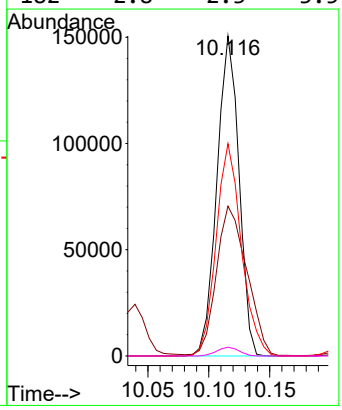


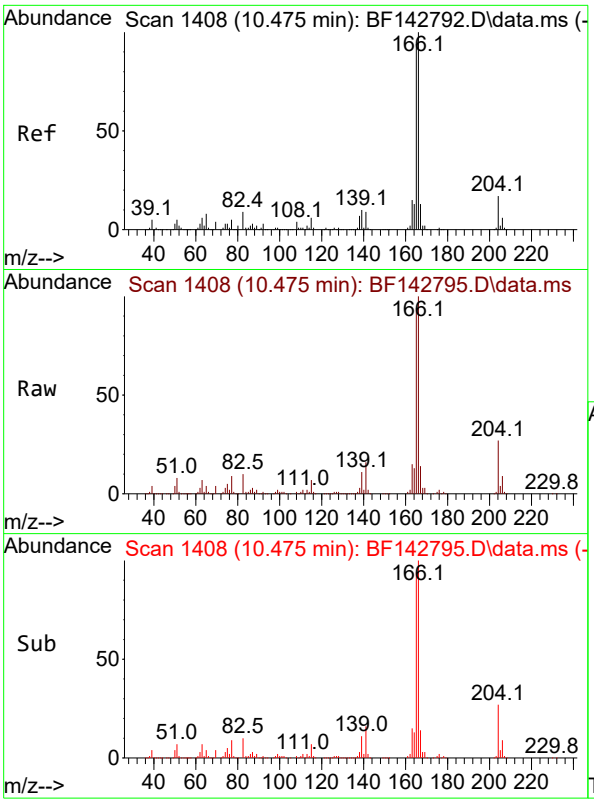




#57
2,4-Dinitrotoluene
Concen: 71.128 ng
RT: 10.116 min Scan# 1347
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:165 Resp: 189684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 46.8 | 33.9 | 50.9 |
| 89 | 66.3 | 50.6 | 75.8 |
| 182 | 2.8 | 2.3 | 3.5 |



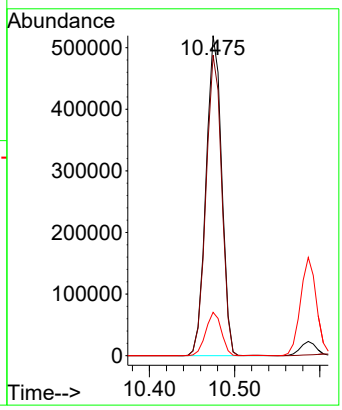


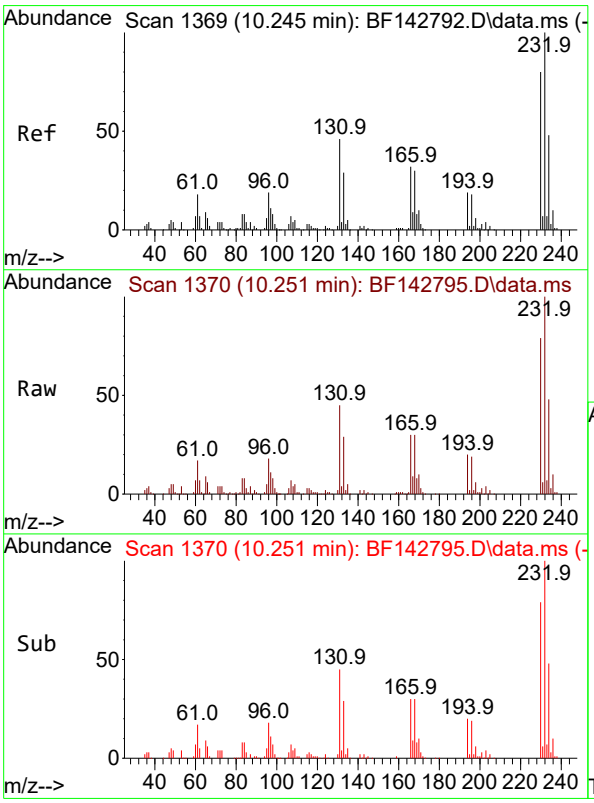

#58
Fluorene
Concen: 70.475 ng
RT: 10.475 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:166 Resp: 663463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.9 | 75.2 | 112.8 |
| 167 | 13.5 | 10.6 | 15.8 |

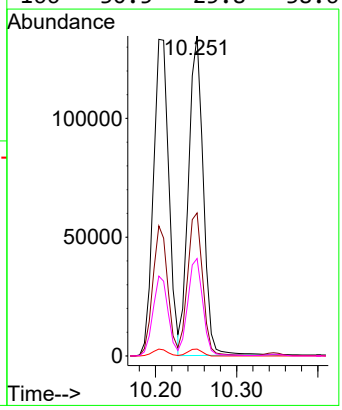


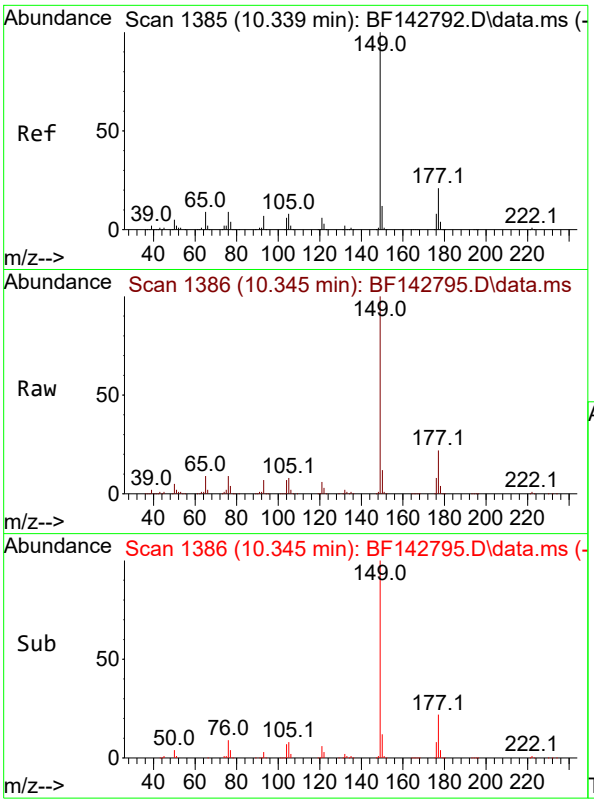




#59
2,3,4,6-Tetrachlorophenol
Concen: 71.850 ng
RT: 10.251 min Scan# 1370
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:232 Resp: 170453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.0 | 37.6 | 56.4 |
| 130 | 2.1 | 1.7 | 2.5 |
| 166 | 30.5 | 25.8 | 38.6 |



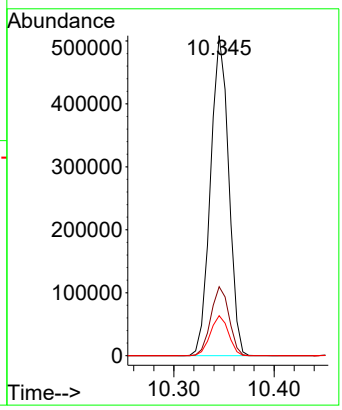


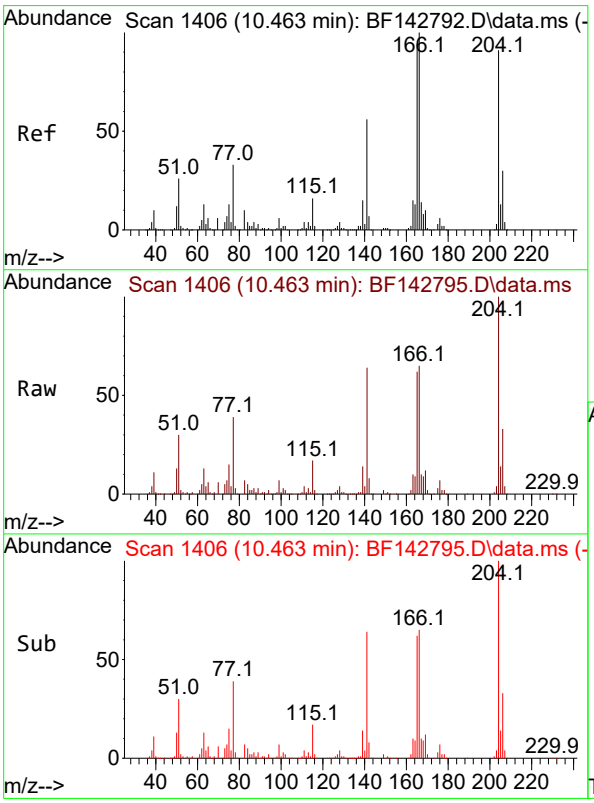

#60
Diethylphthalate
Concen: 69.265 ng
RT: 10.345 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 640148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.6 | 17.0 | 25.6 |
| 150 | 12.5 | 9.8 | 14.6 |

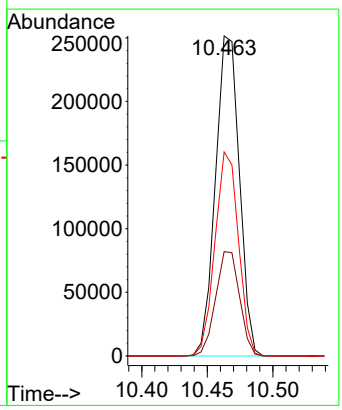


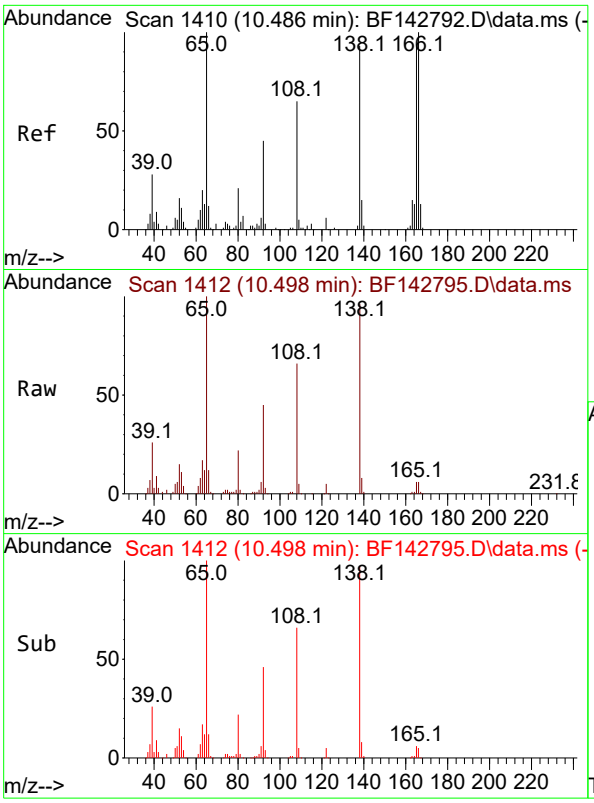




#61
4-Chlorophenyl-phenylether
Concen: 69.722 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:204 Resp: 318782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.6 | 26.3 | 39.5 |
| 141 | 63.8 | 49.1 | 73.7 |



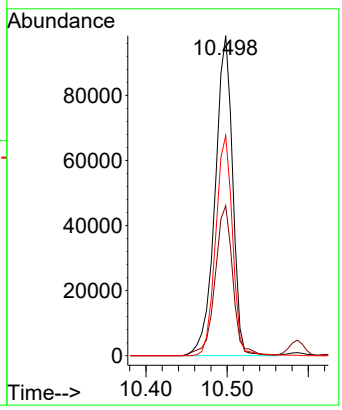


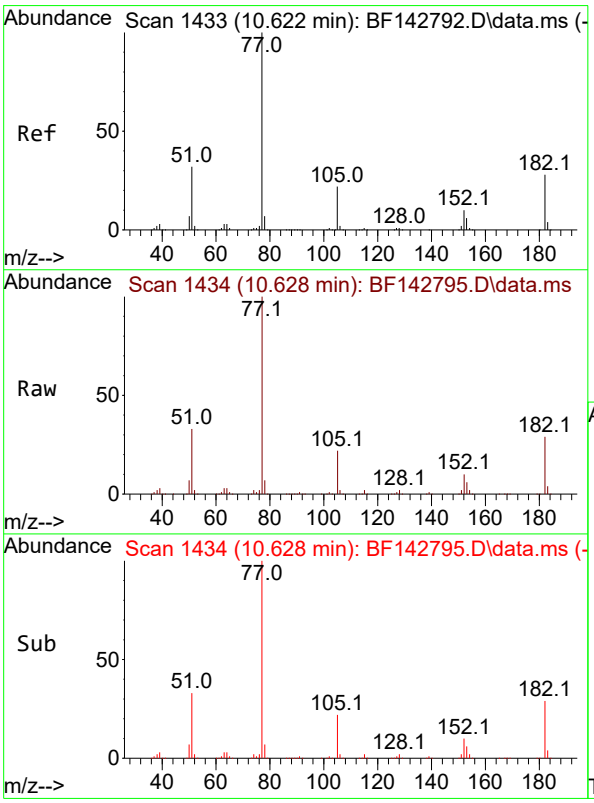

#62
4-Nitroaniline
Concen: 75.193 ng
RT: 10.498 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:138 Resp: 147879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 46.8 | 28.4 | 68.4 |
| 108 | 68.8 | 50.2 | 90.2 |

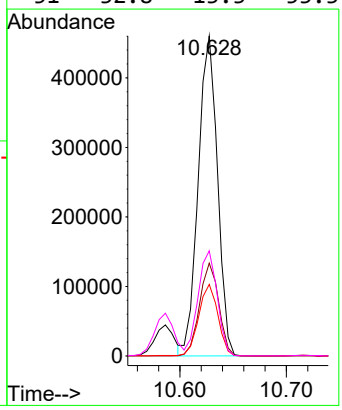


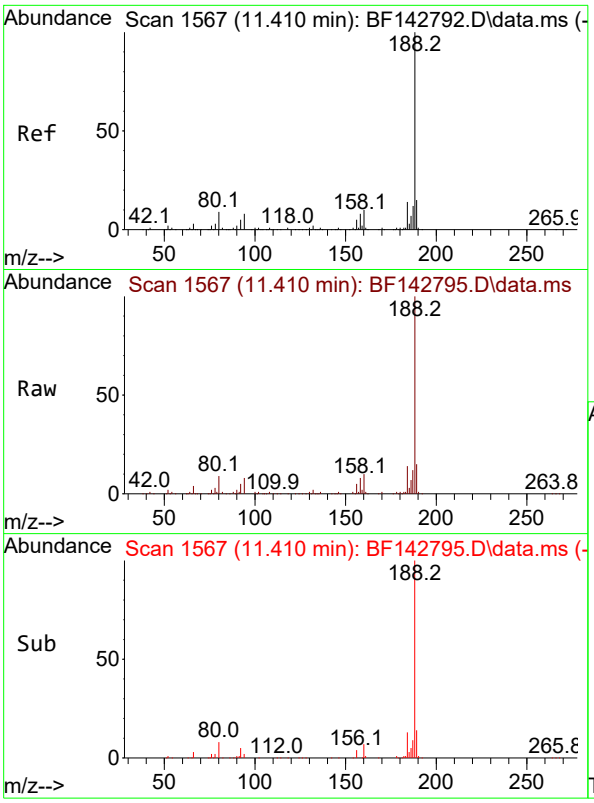




#63
Azobenzene
Concen: 71.659 ng
RT: 10.628 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 77 Resp: 578765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 29.0 | 7.7 | 47.7 |
| 105 | 22.4 | 1.9 | 41.9 |
| 51 | 32.8 | 13.3 | 53.3 |



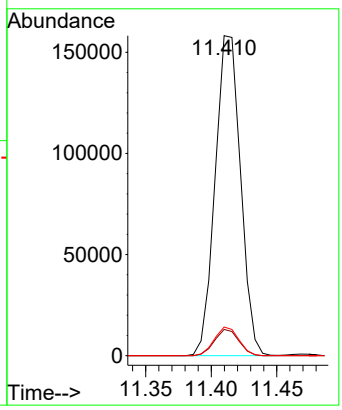


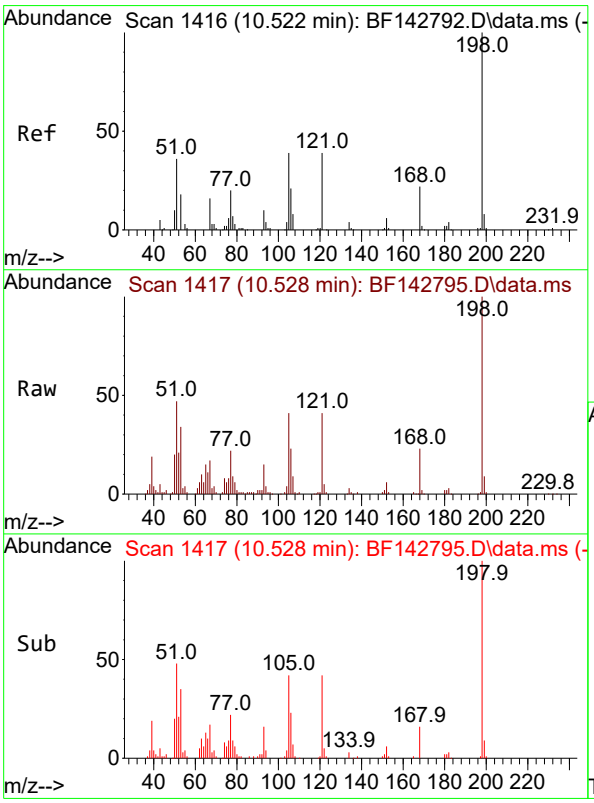

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:188 Resp: 213216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.2 | 6.7 | 10.1 |
| 80 | 9.0 | 6.9 | 10.3 |

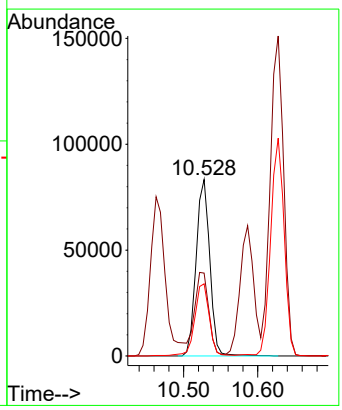


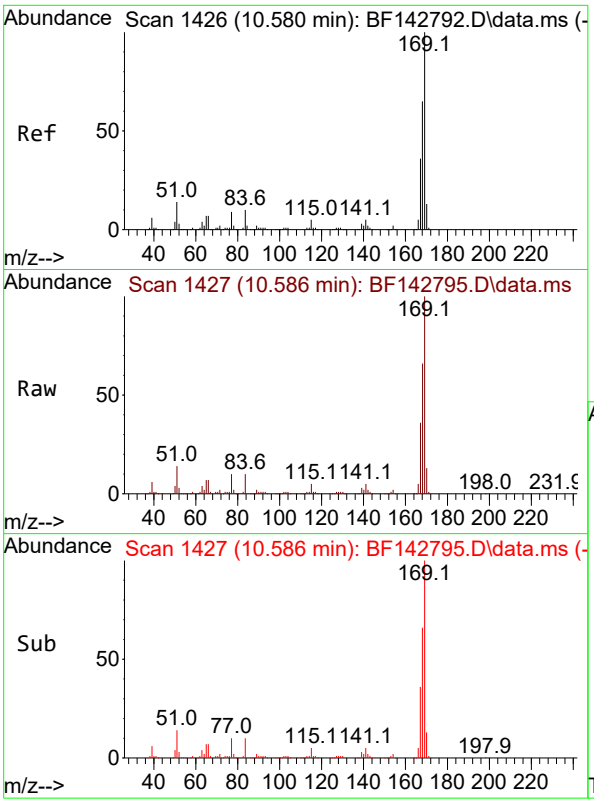




#65
4,6-Dinitro-2-methylphenol
Concen: 80.401 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:198 Resp: 106528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 47.0 | 25.4 | 65.4 |
| 105 | 40.9 | 20.4 | 60.4 |



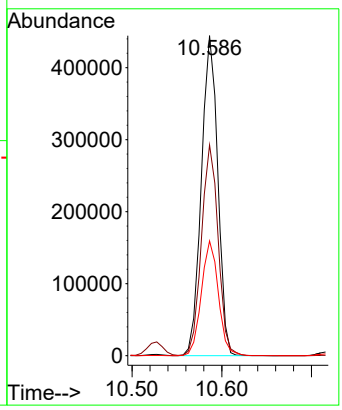


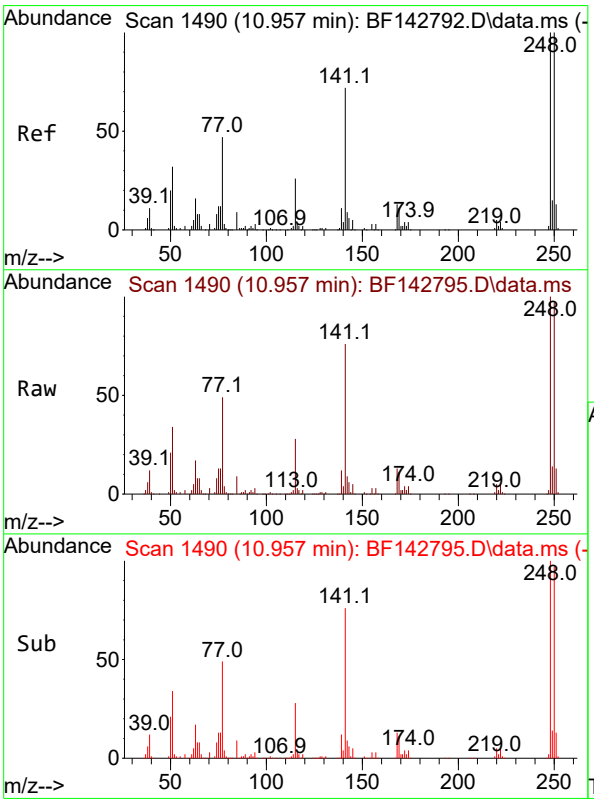

#66
n-Nitrosodiphenylamine
Concen: 77.075 ng
RT: 10.586 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:169 Resp: 564677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.9 | 51.9 | 77.9 |
| 167 | 35.9 | 28.5 | 42.7 |

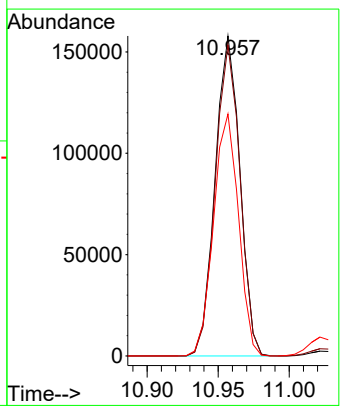


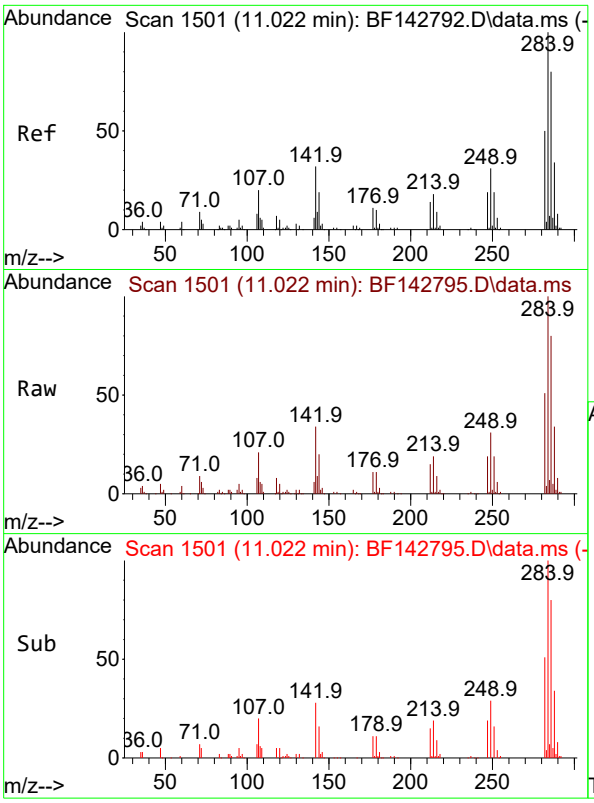




#67
4-Bromophenyl-phenylether
Concen: 76.768 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:248 Resp: 191698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.2 | 79.8 | 119.8 |
| 141 | 75.6 | 57.8 | 86.6 |



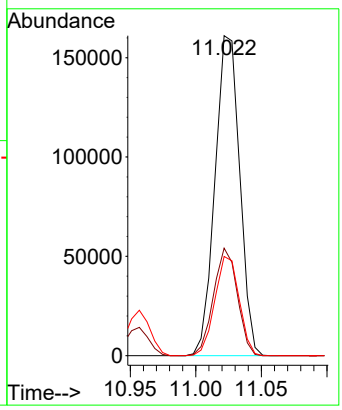


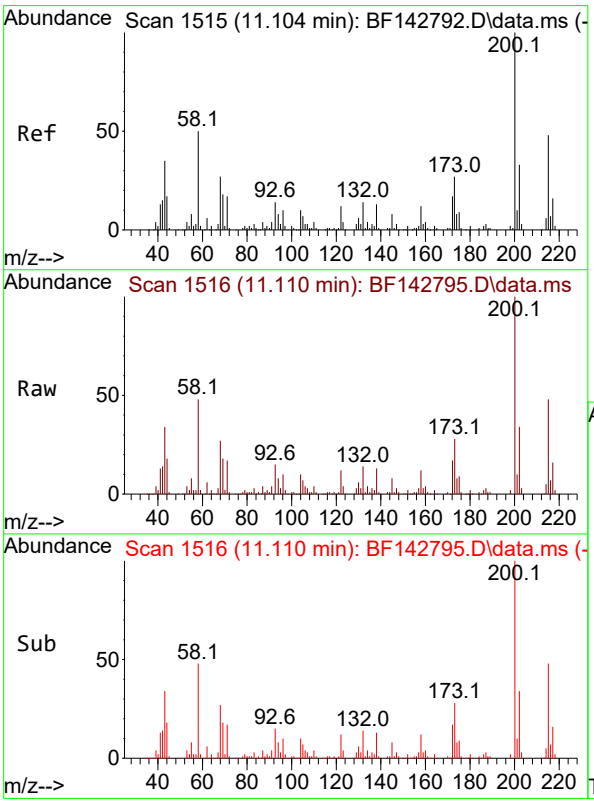

#68
Hexachlorobenzene
Concen: 76.086 ng
RT: 11.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:284 Resp: 210925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.6 | 25.5 | 38.3 |
| 249 | 31.0 | 24.9 | 37.3 |

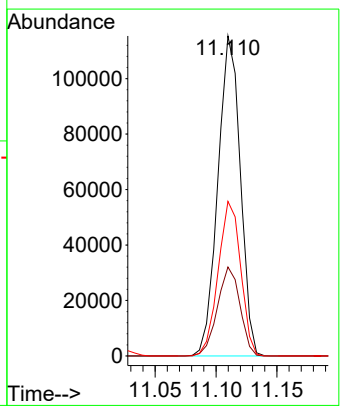


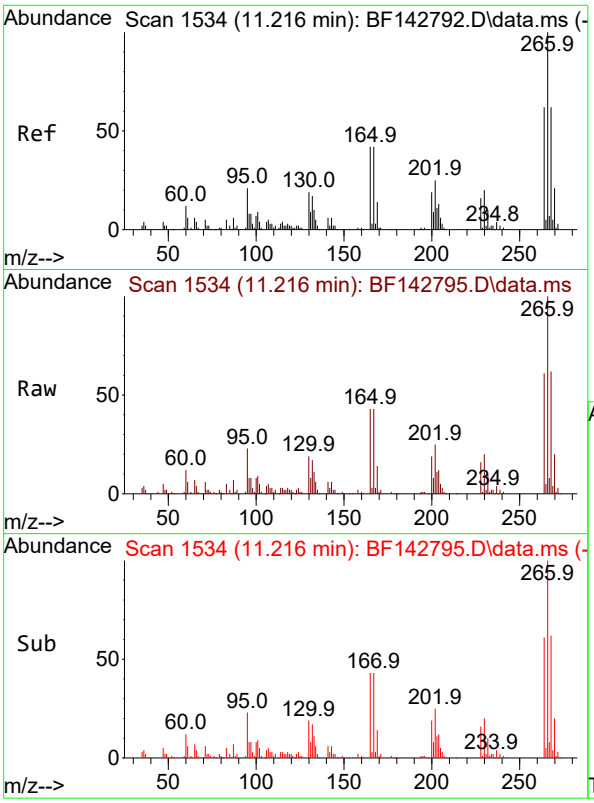




#69
Atrazine
Concen: 76.143 ng
RT: 11.110 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:200 Resp: 148117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.8 | 7.4 | 47.4 |
| 215 | 48.3 | 28.4 | 68.4 |



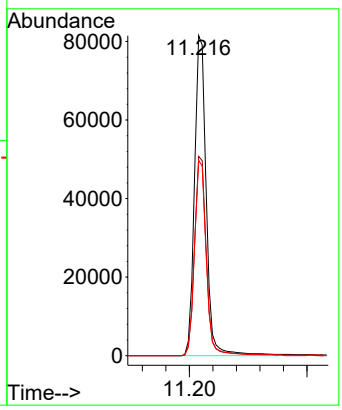


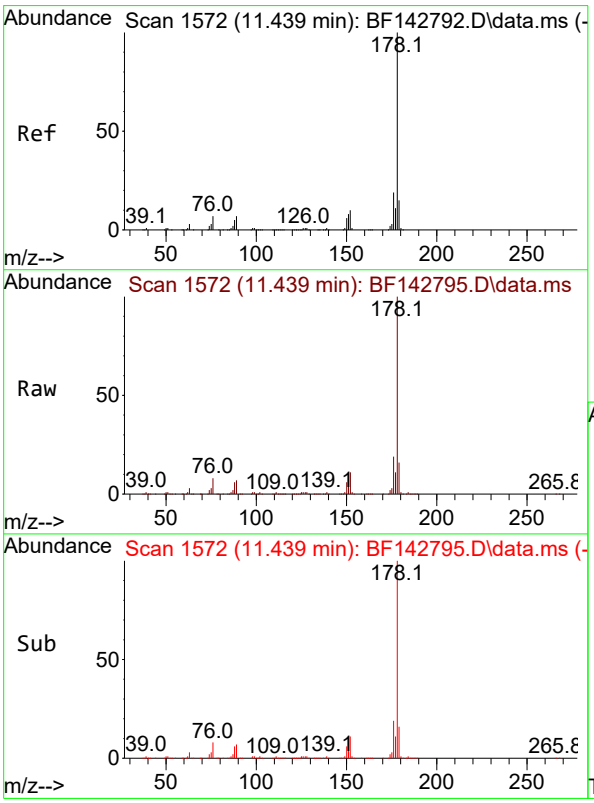

#70
Pentachlorophenol
Concen: 78.555 ng
RT: 11.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:266 Resp: 113104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.2 | 49.8 | 74.8 |
| 264 | 61.0 | 49.9 | 74.9 |

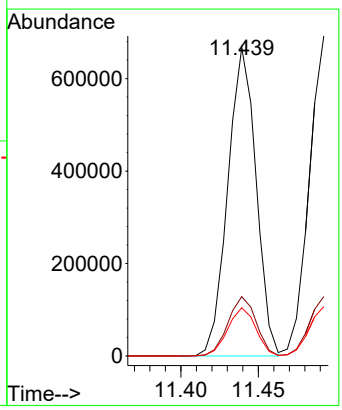


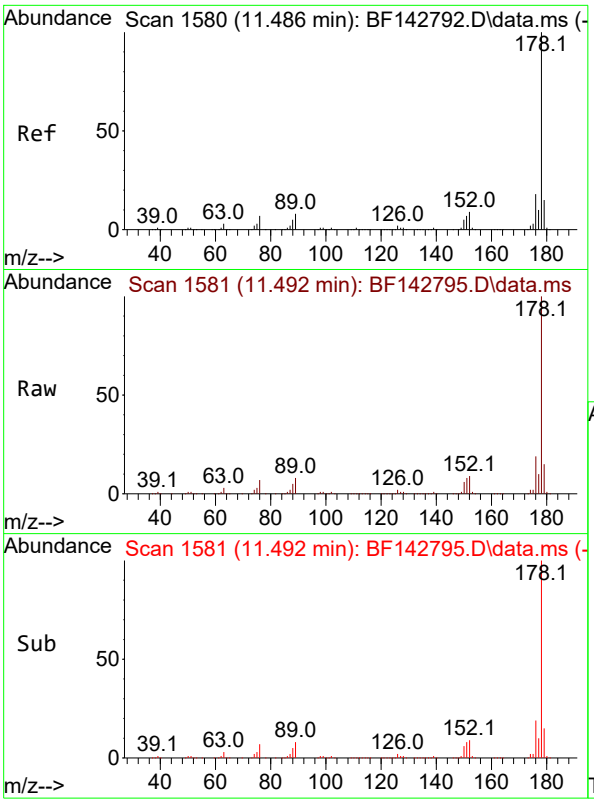




#71
Phenanthrene
Concen: 74.102 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:178 Resp: 845899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.1 | 22.7 |
| 179 | 15.6 | 12.0 | 18.0 |



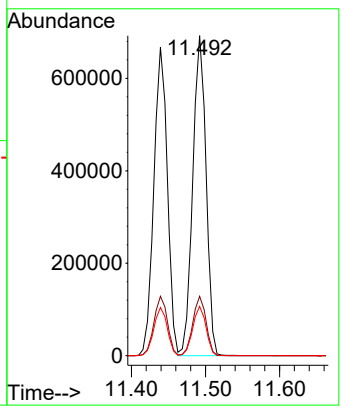


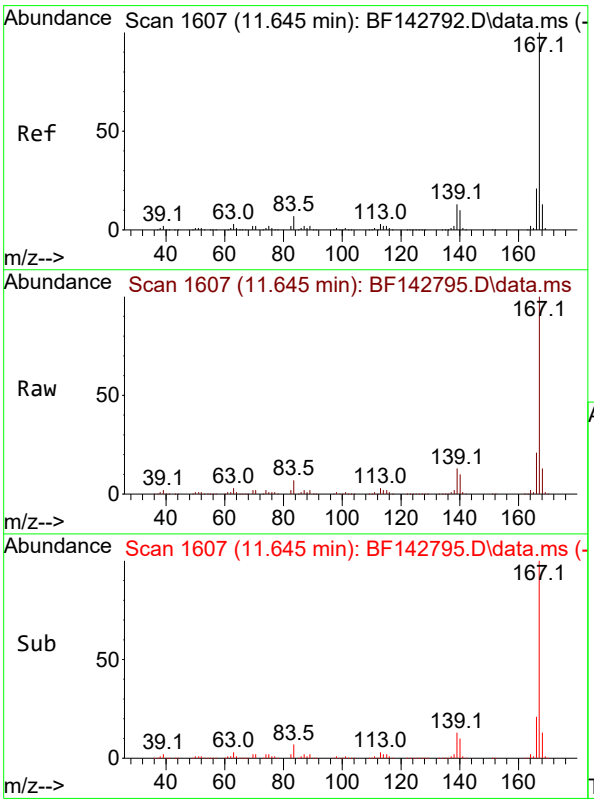

#72
Anthracene
Concen: 73.008 ng
RT: 11.492 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:178 Resp: 862662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 14.6 | 21.8 |
| 179 | 15.4 | 12.4 | 18.6 |

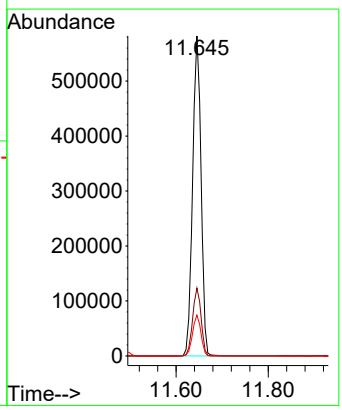


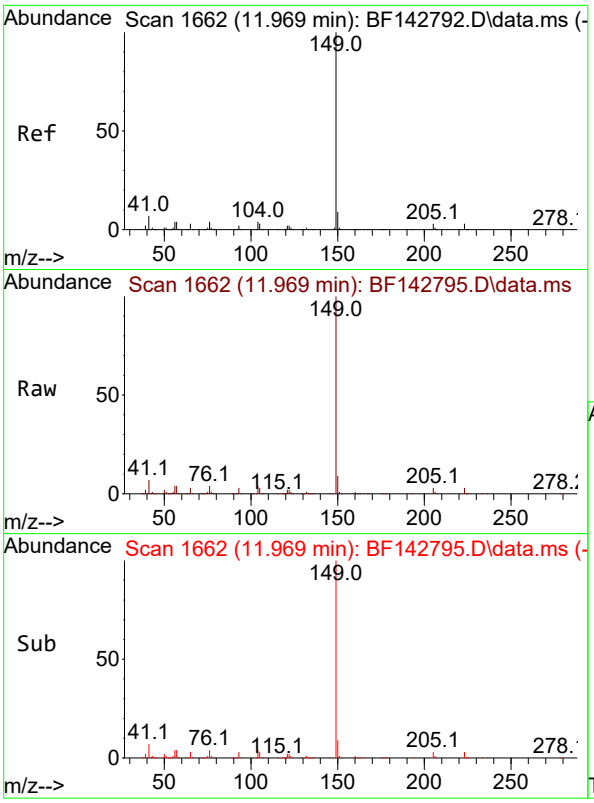




#73
Carbazole
Concen: 74.602 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:167 Resp: 738174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.2 | 17.0 | 25.4 |
| 139 | 12.7 | 10.2 | 15.2 |



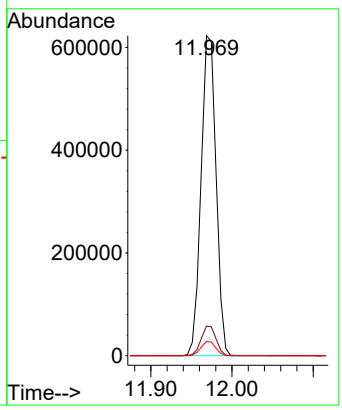


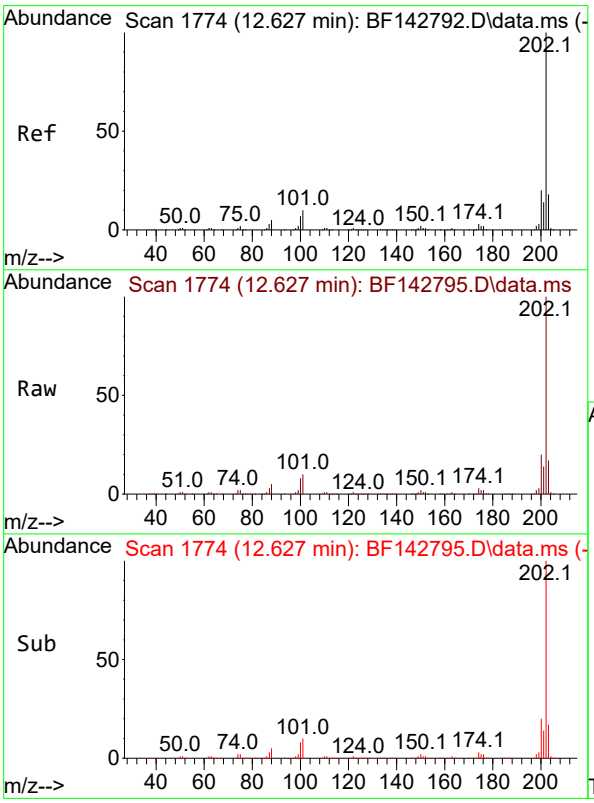

#74
Di-n-butylphthalate
Concen: 72.884 ng
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 798500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.4 | 11.0 |
| 104 | 4.5 | 3.5 | 5.3 |

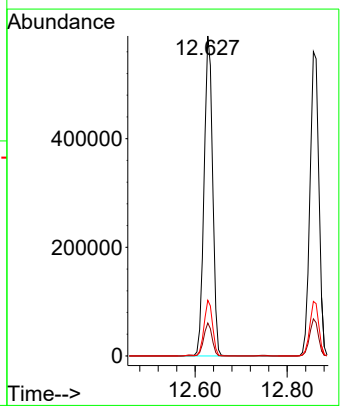


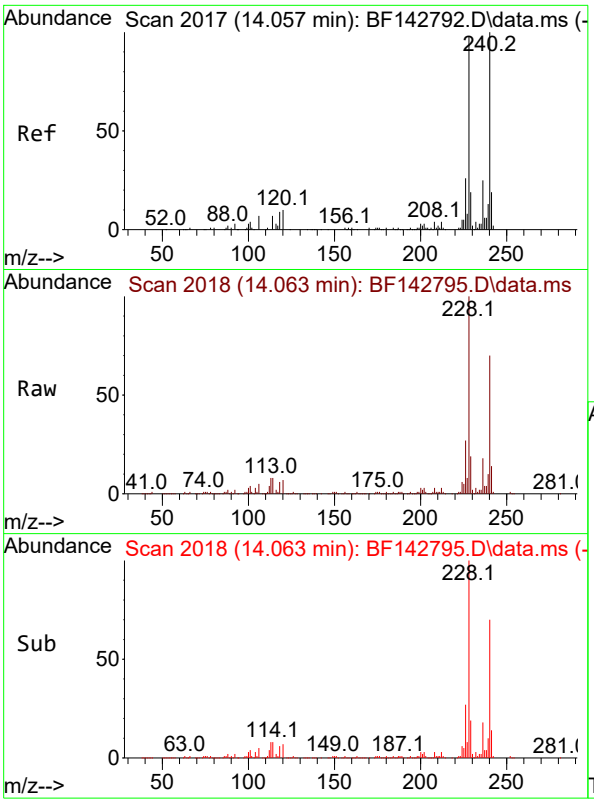




#75
Fluoranthene
Concen: 70.711 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:202 Resp: 766933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.3 | 0.0 | 29.7 |
| 203 | 17.4 | 0.0 | 37.5 |



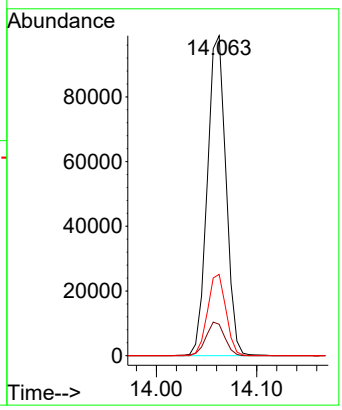


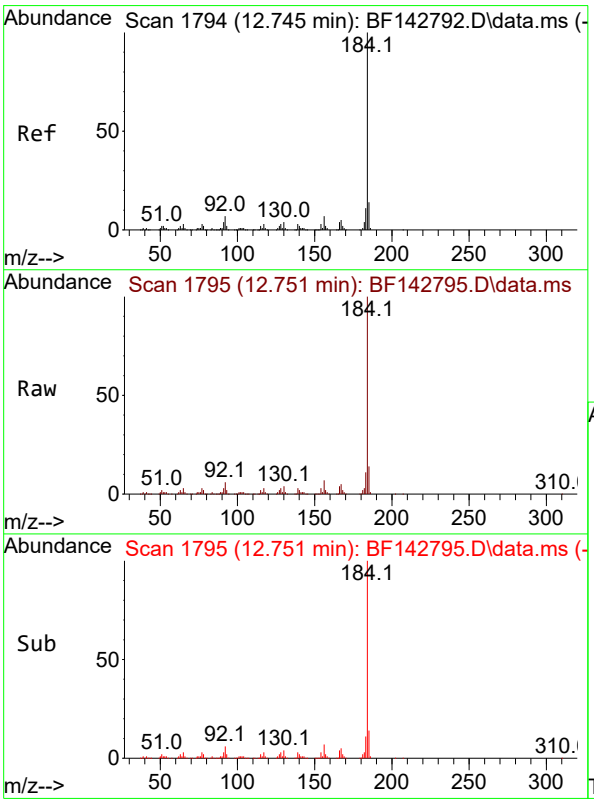

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:240 Resp: 127713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.8 | 8.2 | 12.2 |
| 236 | 25.4 | 19.8 | 29.8 |

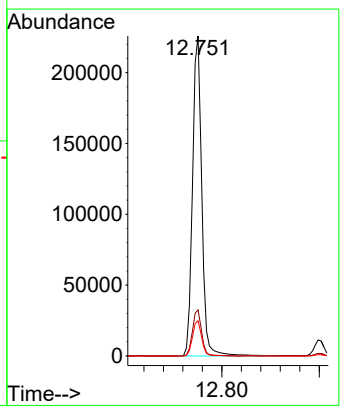


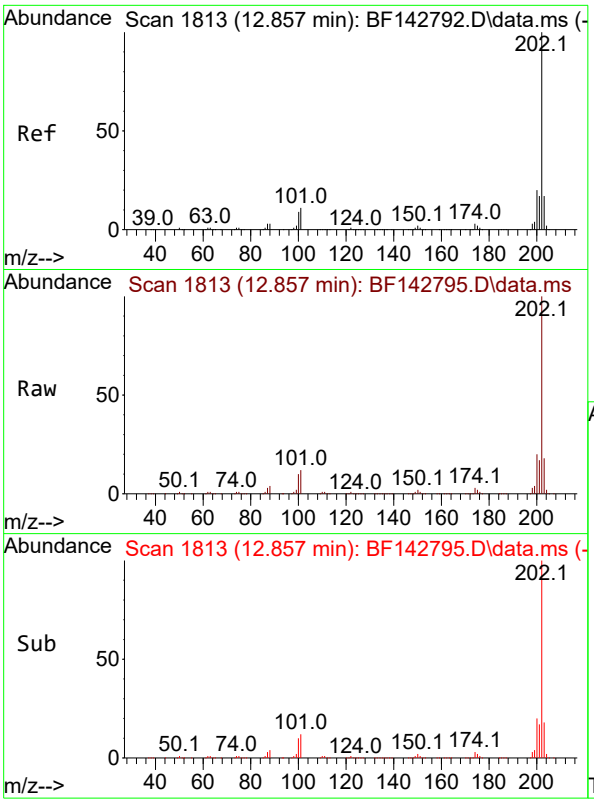




#77
Benzidine
Concen: 66.350 ng
RT: 12.751 min Scan# 1795
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:184 Resp: 299985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.4 | 11.5 | 17.3 |
| 183 | 11.0 | 9.0 | 13.4 |



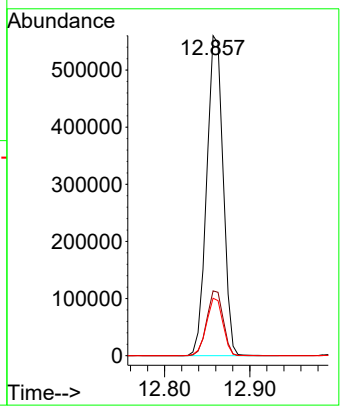


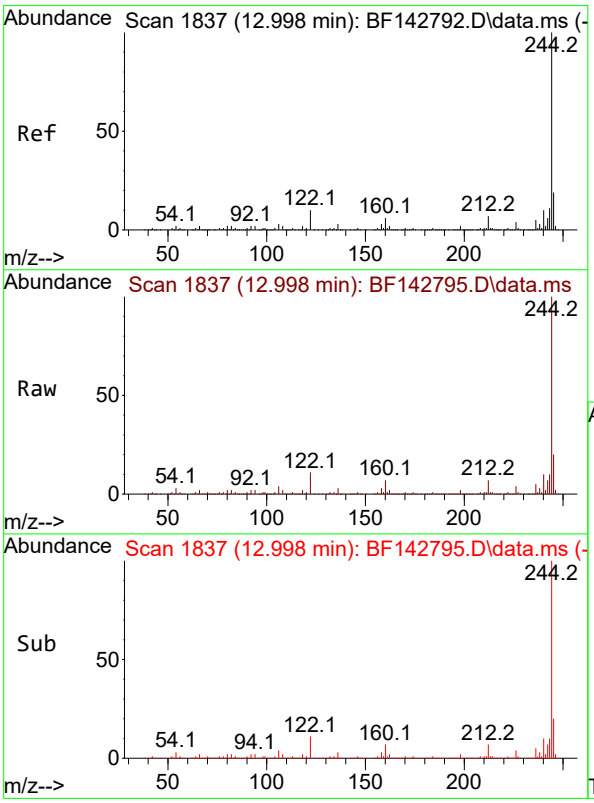

#78
Pyrene
Concen: 63.894 ng
RT: 12.857 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:202 Resp: 750100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.2 | 15.7 | 23.5 |
| 203 | 17.9 | 13.8 | 20.6 |

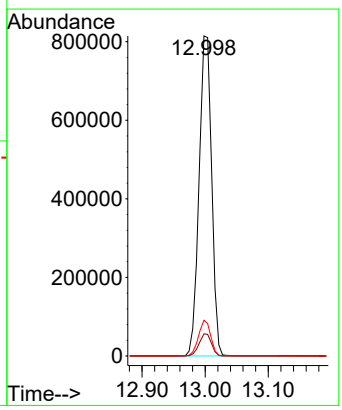


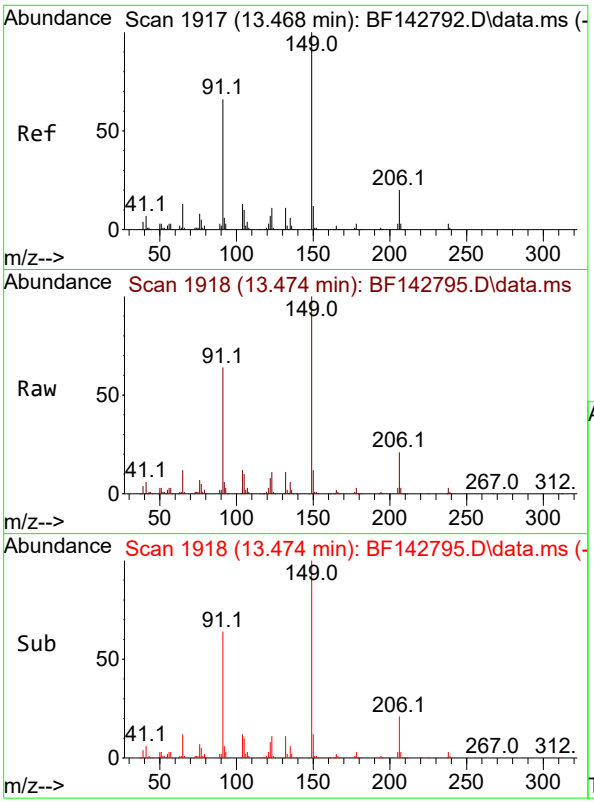




#79
Terphenyl-d14
Concen: 122.904 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:244 Resp: 1127781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.4 | 8.0 |
| 122 | 11.1 | 8.2 | 12.2 |



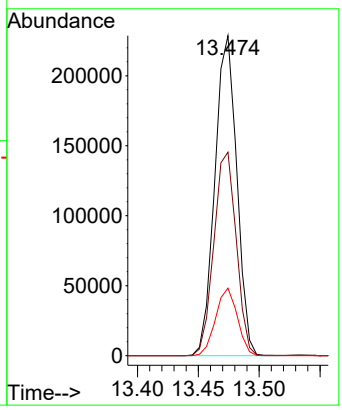


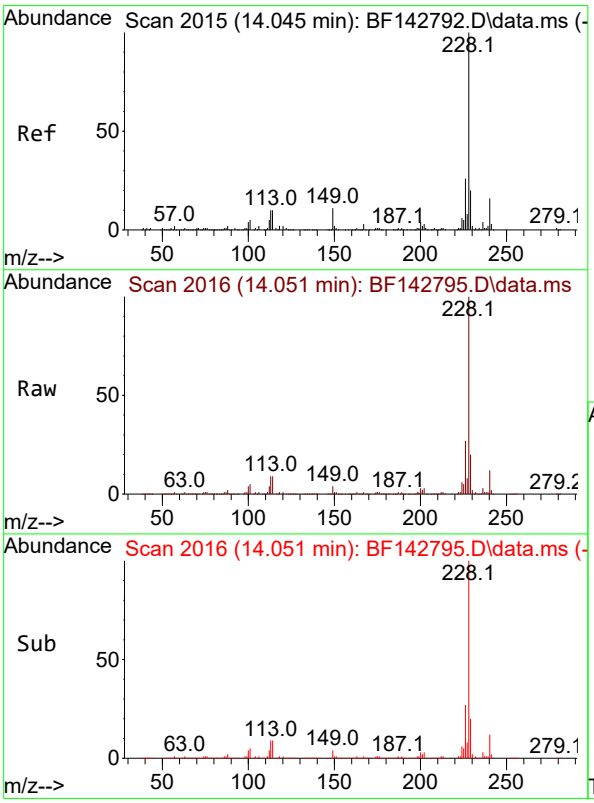

#80
Butylbenzylphthalate
Concen: 82.658 ng
RT: 13.474 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 287568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 63.6 | 52.9 | 79.3 |
| 206 | 21.1 | 16.3 | 24.5 |

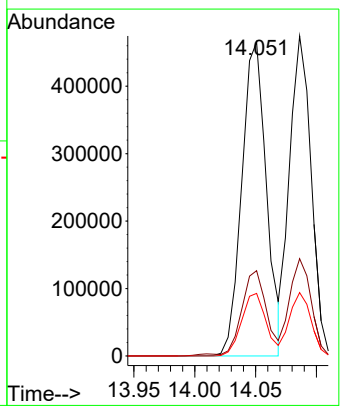


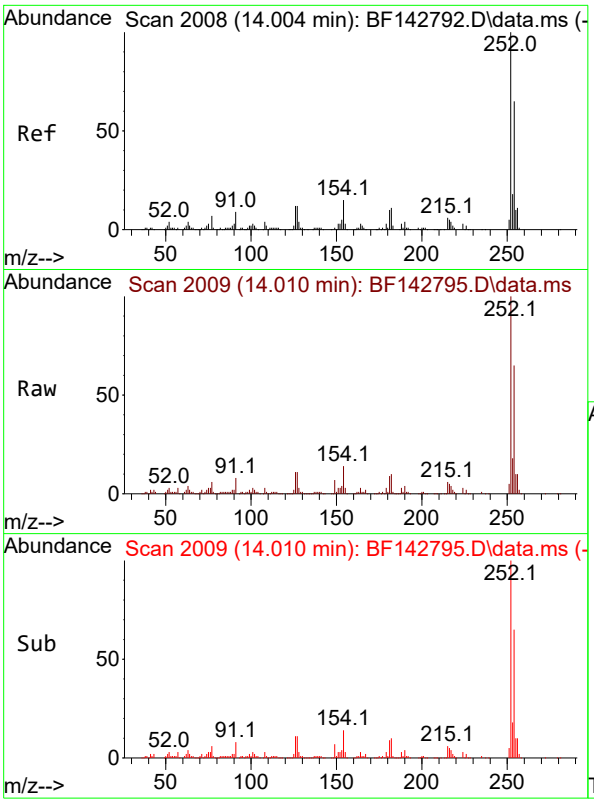




#81
Benzo(a)anthracene
Concen: 78.202 ng
RT: 14.051 min Scan# 2016
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:228 Resp: 655753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.1 | 21.2 | 31.8 |
| 229 | 19.9 | 15.6 | 23.4 |



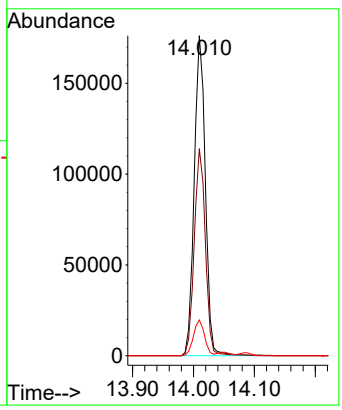


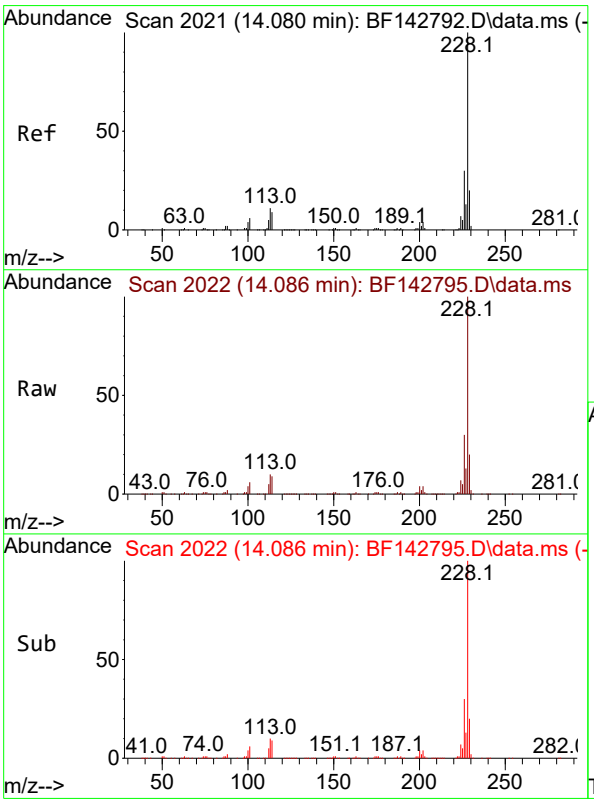

#82
3,3'-Dichlorobenzidine
Concen: 82.340 ng
RT: 14.010 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 223571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.7 | 51.7 | 77.5 |
| 126 | 11.1 | 9.4 | 14.2 |

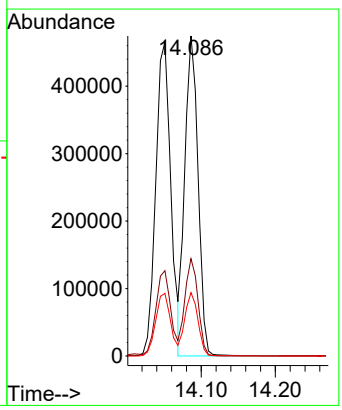


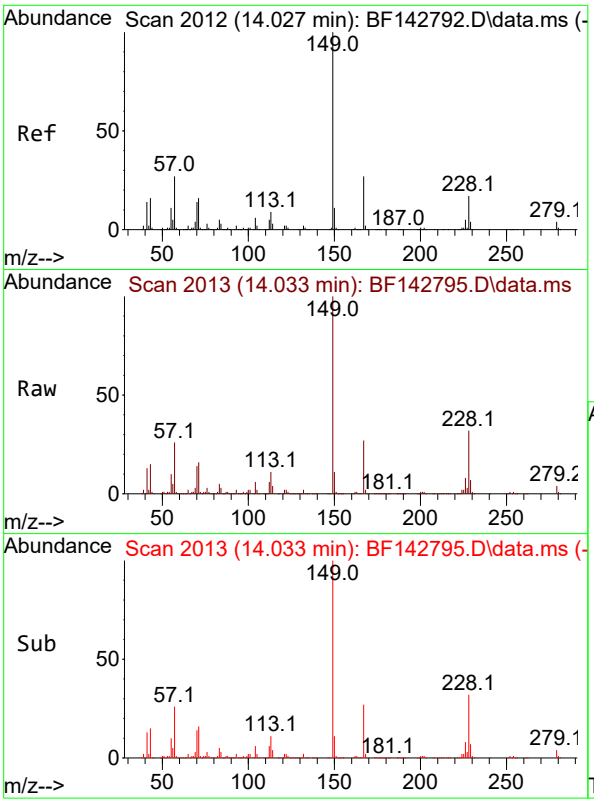




#83
Chrysene
Concen: 75.278 ng
RT: 14.086 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:228 Resp: 587658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.4 | 23.7 | 35.5 |
| 229 | 19.8 | 15.7 | 23.5 |



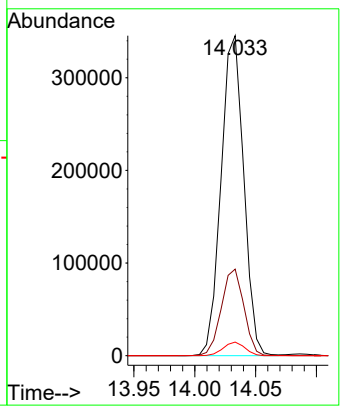


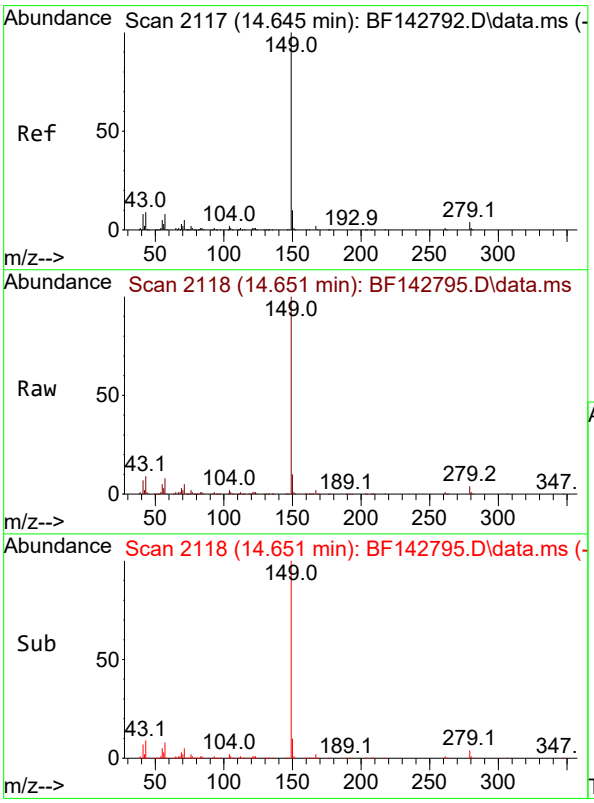

#84
Bis(2-ethylhexyl)phthalate
Concen: 86.499 ng
RT: 14.033 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 448387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.0 | 21.4 | 32.0 |
| 279 | 4.3 | 3.0 | 4.6 |

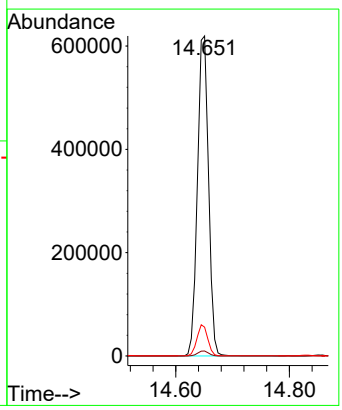


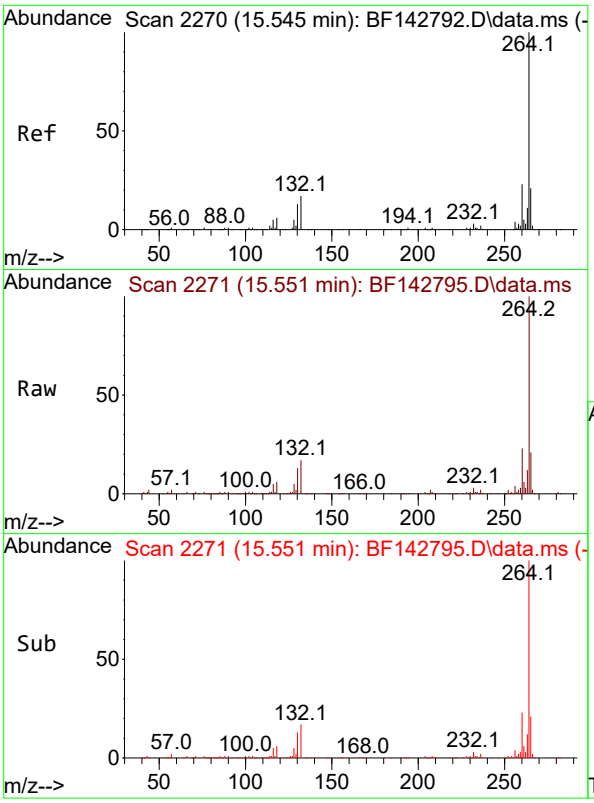




#85
Di-n-octyl phthalate
Concen: 85.366 ng
RT: 14.651 min Scan# 2118
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:149 Resp: 843227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 9.5 | 7.6 | 11.4 |



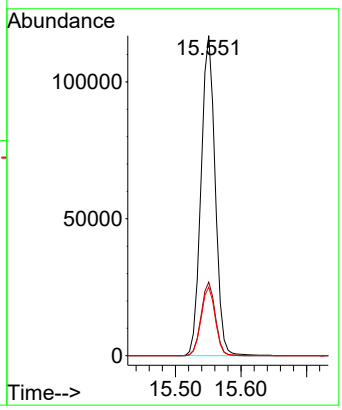


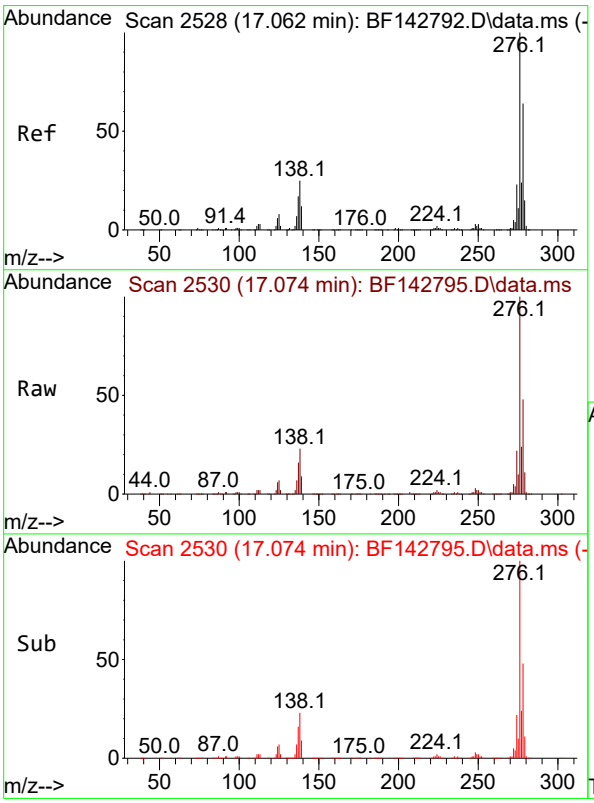

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:264 Resp: 175125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 18.1 | 27.1 |
| 265 | 21.5 | 16.6 | 25.0 |

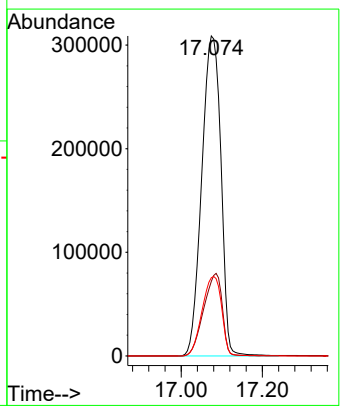


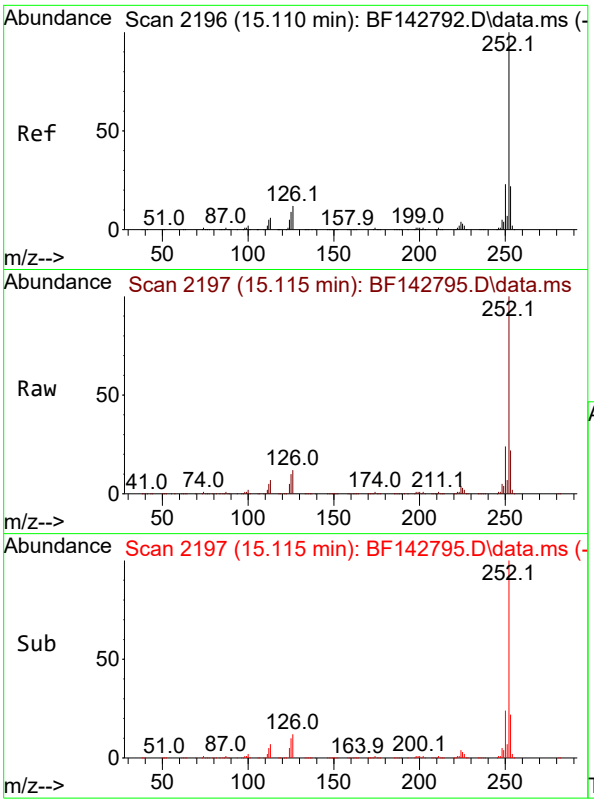




#87
Indeno(1,2,3-cd)pyrene
Concen: 78.036 ng
RT: 17.074 min Scan# 2530
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:276 Resp: 1010374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.0 | 20.2 | 30.4 |
| 277 | 25.2 | 19.8 | 29.6 |



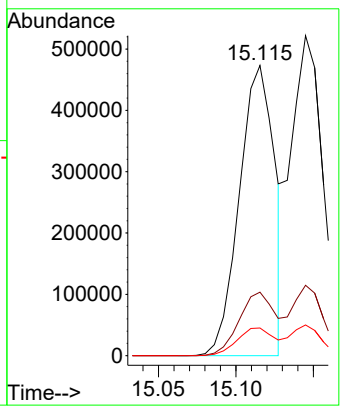


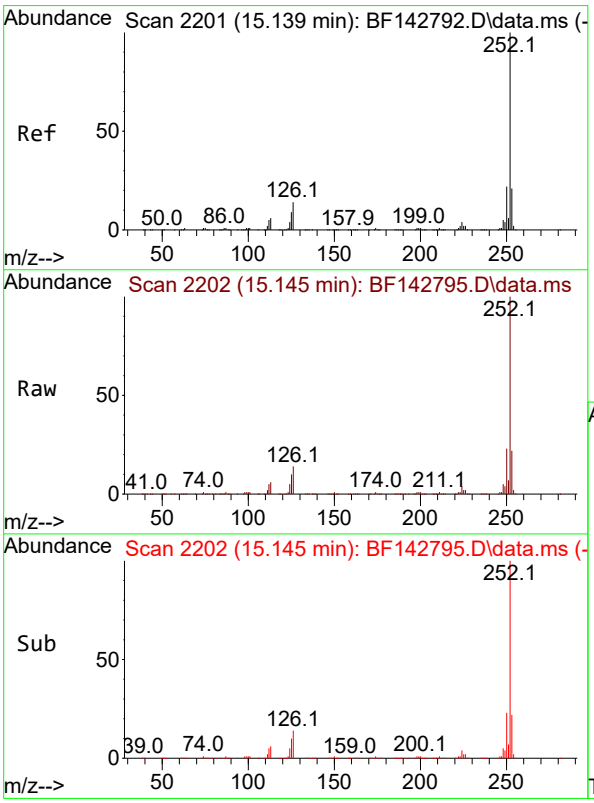

#88
Benzo(b)fluoranthene
Concen: 73.471 ng
RT: 15.115 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 749341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 9.5 | 7.4 | 11.0 |

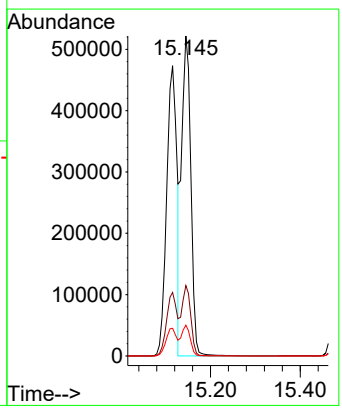


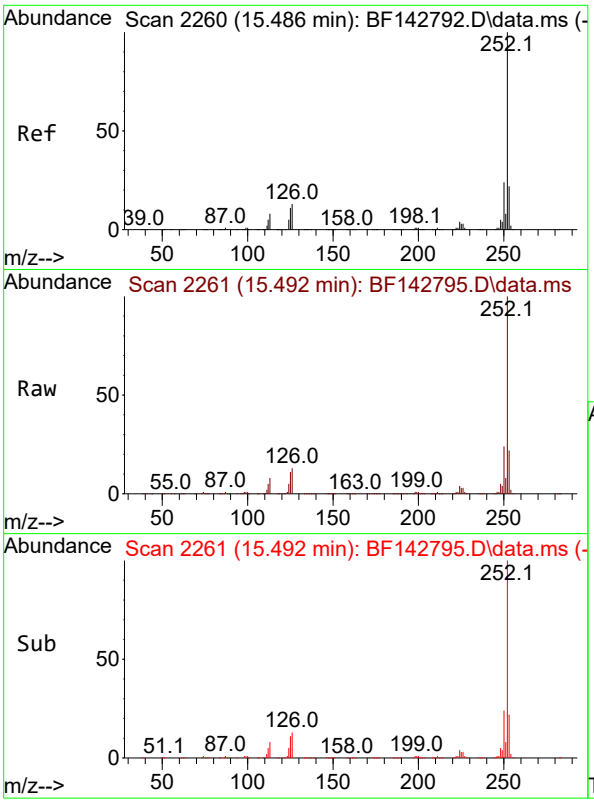




#89
Benzo(k)fluoranthene
Concen: 75.108 ng
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:252 Resp: 747789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.2 | 25.8 |
| 125 | 9.6 | 7.4 | 11.2 |



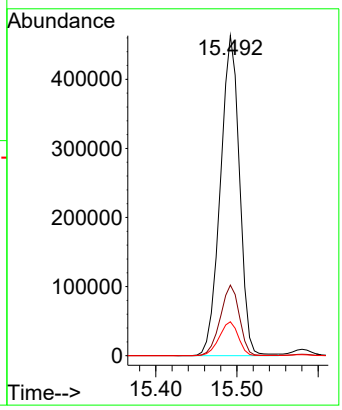


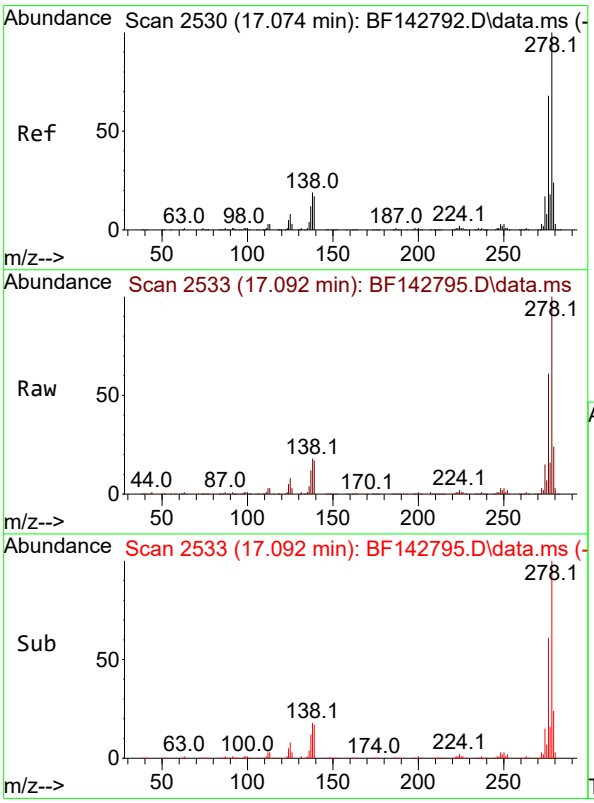

#90
Benzo(a)pyrene
Concen: 77.813 ng
RT: 15.492 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 759483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.5 | 26.3 |
| 125 | 10.6 | 8.6 | 12.8 |

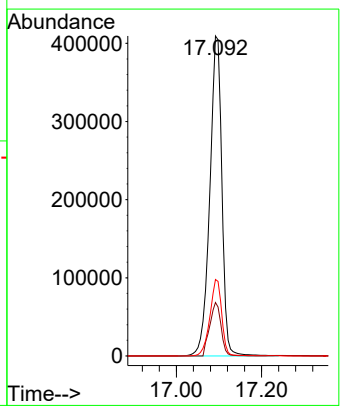


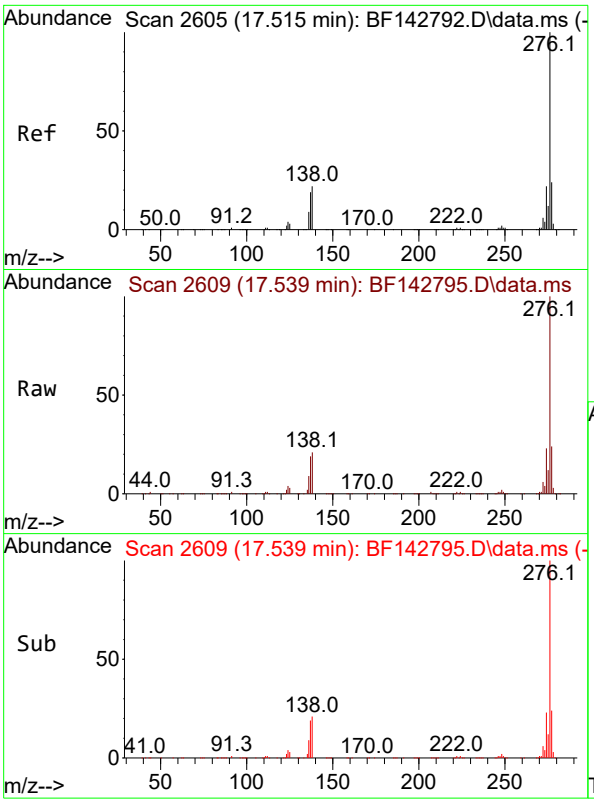




#91
Dibenzo(a,h)anthracene
Concen: 76.662 ng
RT: 17.092 min Scan# 2533
Delta R.T. 0.018 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:278 Resp: 806991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.7 | 13.5 | 20.3 |
| 279 | 23.9 | 18.8 | 28.2 |



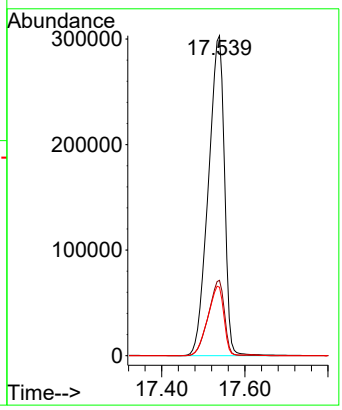



#92
Benzo(g,h,i)perylene
Concen: 77.429 ng
RT: 17.539 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:276 Resp: 813177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 18.8 | 28.2 |
| 138 | 21.4 | 17.6 | 26.4 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| Internal Standards | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 74183 | 20.000 ng | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 279139 | 20.000 ng | 0.00 |
| 39) Acenaphthene-d10 | 9.922 | 164 | 142968 | 20.000 ng | 0.00 |
| 64) Phenanthrene-d10 | 11.410 | 188 | 228099 | 20.000 ng | 0.00 |
| 76) Chrysene-d12 | 14.057 | 240 | 122573 | 20.000 ng | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 153363 | 20.000 ng | 0.00 |
| System Monitoring Compounds | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 361762 | 81.192 ng | 0.00 |
| 7) Phenol-d6 | 6.510 | 99 | 421918 | 80.262 ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.445 | 82 | 373199 | 73.334 ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.716 | 330 | 117795 | 80.065 ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.239 | 172 | 785440 | 72.171 ng | 0.00 |
| 79) Terphenyl-d14 | 12.998 | 244 | 628420 | 70.839 ng | 0.00 |
| Target Compounds | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.634 | 88 | 70139 | 39.357 ng | 100 |
| 3) Pyridine | 3.404 | 79 | 185173 | 41.446 ng | 99 |
| 4) n-Nitrosodimethylamine | 3.357 | 42 | 96831 | 41.912 ng | 99 |
| 6) Aniline | 6.545 | 93 | 296519 | 42.392 ng | 99 |
| 8) 2-Chlorophenol | 6.663 | 128 | 202041 | 42.036 ng | 100 |
| 9) Benzaldehyde | 6.434 | 77 | 148174 | 47.511 ng | 99 |
| 10) Phenol | 6.522 | 94 | 244839 | 41.901 ng | 99 |
| 11) bis(2-Chloroethyl)ether | 6.616 | 93 | 176058 | 42.157 ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 228820 | 42.568 ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 229234 | 42.268 ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 218720 | 42.520 ng | 99 |
| 15) Benzyl Alcohol | 7.022 | 79 | 160044 | 42.114 ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45 | 284352 | 42.379 ng | 100 |
| 17) 2-Methylphenol | 7.134 | 107 | 154746 | 42.485 ng | 98 |
| 18) Hexachloroethane | 7.392 | 117 | 80788 | 42.589 ng | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.292 | 70 | 127308 | 41.640 ng | 99 |
| 20) 3+4-Methylphenols | 7.287 | 107 | 194841 | 42.904 ng | 98 |
| 22) Acetophenone | 7.292 | 105 | 261474 | 42.478 ng | 99 |
| 24) Nitrobenzene | 7.463 | 77 | 193310 | 41.968 ng | 99 |
| 25) Isophorone | 7.704 | 82 | 338001 | 41.403 ng | 99 |
| 26) 2-Nitrophenol | 7.781 | 139 | 108455 | 43.224 ng | 100 |
| 27) 2,4-Dimethylphenol | 7.816 | 122 | 183273 | 42.168 ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.910 | 93 | 217774 | 41.960 ng | 99 |
| 29) 2,4-Dichlorophenol | 8.022 | 162 | 166286 | 42.196 ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.104 | 180 | 182768 | 42.177 ng | 100 |
| 31) Naphthalene | 8.187 | 128 | 576847 | 42.218 ng | 100 |
| 32) Benzoic acid | 7.922 | 122 | 101203 | 45.685 ng | 95 |
| 33) 4-Chloroaniline | 8.234 | 127 | 232045 | 41.766 ng | 98 |
| 34) Hexachlorobutadiene | 8.304 | 225 | 113068 | 42.657 ng | 99 |
| 35) Caprolactam | 8.604 | 113 | 42561 | 40.928 ng | 98 |
| 36) 4-Chloro-3-methylphenol | 8.716 | 107 | 164064 | 41.890 ng | 99 |
| 37) 2-Methylnaphthalene | 8.881 | 142 | 353484 | 41.730 ng | 100 |
| 38) 1-Methylnaphthalene | 8.981 | 142 | 364378 | 41.554 ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.045 | 216 | 182379 | 43.233 ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.034 | 237 | 108592 | 45.361 ng | 97 |
| 43) 2,4,6-Trichlorophenol | 9.157 | 196 | 116946 | 42.543 ng | 98 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.198 | 196 | 124558 | 43.045 ng | 99 |
| 46) 1,1'-Biphenyl | 9.345 | 154 | 476133 | 42.159 ng | 100 |
| 47) 2-Chloronaphthalene | 9.369 | 162 | 354405 | 41.817 ng | 100 |
| 48) 2-Nitroaniline | 9.463 | 65 | 99137 | 41.724 ng | 97 |
| 49) Acenaphthylene | 9.786 | 152 | 580204 | 41.586 ng | 100 |
| 50) Dimethylphthalate | 9.645 | 163 | 381573 | 41.232 ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.704 | 165 | 84111 | 41.386 ng | 99 |
| 52) Acenaphthene | 9.957 | 154 | 356031 | 41.825 ng | 100 |
| 53) 3-Nitroaniline | 9.875 | 138 | 92889 | 41.512 ng | 99 |
| 54) 2,4-Dinitrophenol | 9.981 | 184 | 44513 | 43.742 ng | 99 |
| 55) Dibenzofuran | 10.128 | 168 | 502290 | 41.150 ng | 100 |
| 56) 4-Nitrophenol | 10.033 | 139 | 62127 | 40.556 ng | 97 |
| 57) 2,4-Dinitrotoluene | 10.110 | 165 | 111649 | 41.358 ng | 100 |
| 58) Fluorene | 10.475 | 166 | 391356 | 41.052 ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232 | 97630 | 41.857 ng | 97 |
| 60) Diethylphthalate | 10.339 | 149 | 371453 | 40.937 ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204 | 185884 | 40.862 ng | 99 |
| 62) 4-Nitroaniline | 10.486 | 138 | 83143 | 40.628 ng | 99 |
| 63) Azobenzene | 10.622 | 77 | 332701 | 41.025 ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198 | 59797 | 43.341 ng | 94 |
| 66) n-Nitrosodiphenylamine | 10.580 | 169 | 331671 | 41.955 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248 | 112604 | 43.376 ng | 96 |
| 68) Hexachlorobenzene | 11.022 | 284 | 122976 | 42.632 ng | 98 |
| 69) Atrazine | 11.104 | 200 | 87455 | 42.840 ng | 99 |
| 70) Pentachlorophenol | 11.216 | 266 | 62292 | 43.337 ng | 99 |
| 71) Phenanthrene | 11.433 | 178 | 514049 | 41.603 ng | 99 |
| 72) Anthracene | 11.486 | 178 | 532397 | 42.013 ng | 99 |
| 73) Carbazole | 11.645 | 167 | 446814 | 40.858 ng | 100 |
| 74) Di-n-butylphthalate | 11.969 | 149 | 481078 | 42.228 ng | 100 |
| 75) Fluoranthene | 12.627 | 202 | 473431 | 40.372 ng | 100 |
| 77) Benzidine | 12.745 | 184 | 218884 | 47.530 ng | 99 |
| 78) Pyrene | 12.857 | 202 | 468692 | 40.794 ng | 100 |
| 80) Butylbenzylphthalate | 13.469 | 149 | 154743 | 46.431 ng | 99 |
| 81) Benzo(a)anthracene | 14.045 | 228 | 346202 | 41.868 ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.010 | 252 | 124771 | 46.521 ng | 99 |
| 83) Chrysene | 14.080 | 228 | 321976 | 43.637 ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149 | 230046 | 47.976 ng | 99 |
| 85) Di-n-octyl phthalate | 14.645 | 149 | 425193 | 47.026 ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.062 | 276 | 491326 | 42.060 ng | 100 |
| 88) Benzo(b)fluoranthene | 15.110 | 252 | 362077 | 40.801 ng | 100 |
| 89) Benzo(k)fluoranthene | 15.139 | 252 | 347044 | 41.800 ng | 100 |
| 90) Benzo(a)pyrene | 15.486 | 252 | 361077 | 42.117 ng | 100 |
| 91) Dibenzo(a,h)anthracene | 17.074 | 278 | 399293 | 42.069 ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.515 | 276 | 397566 | 42.006 ng | 100 |

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

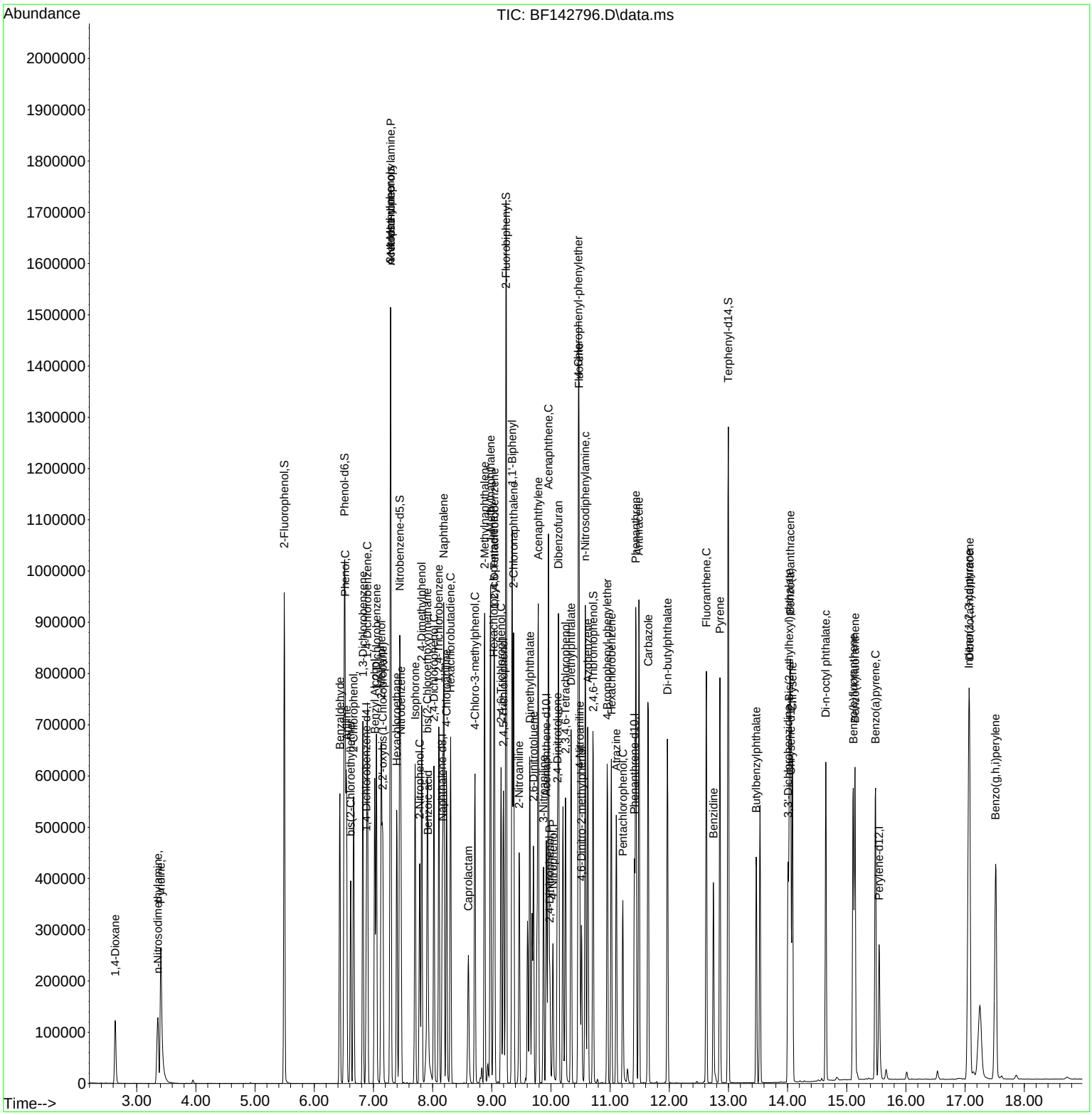
Quantitation Report (QT Reviewed)

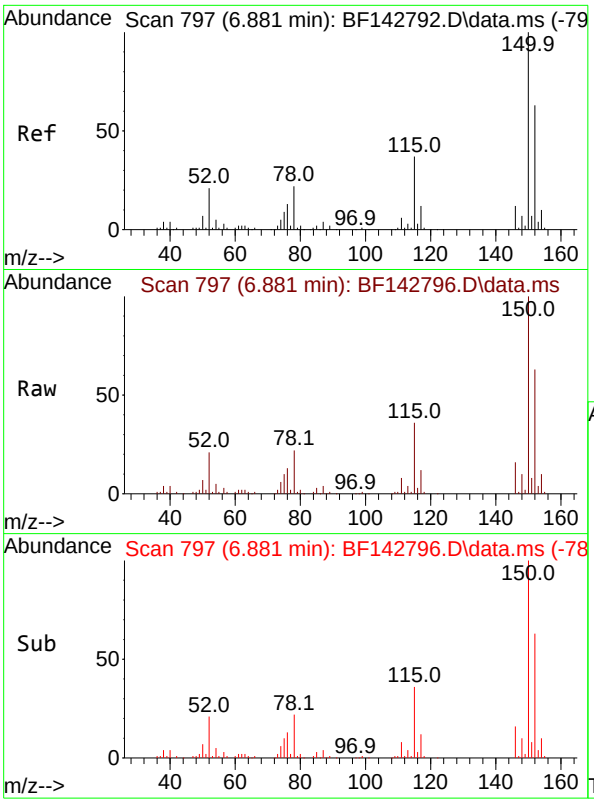
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



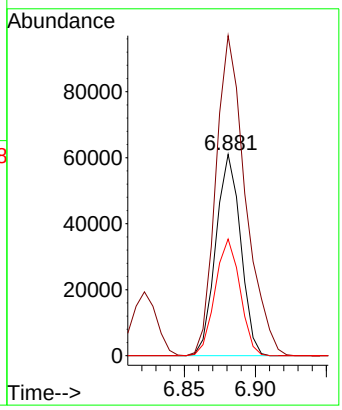


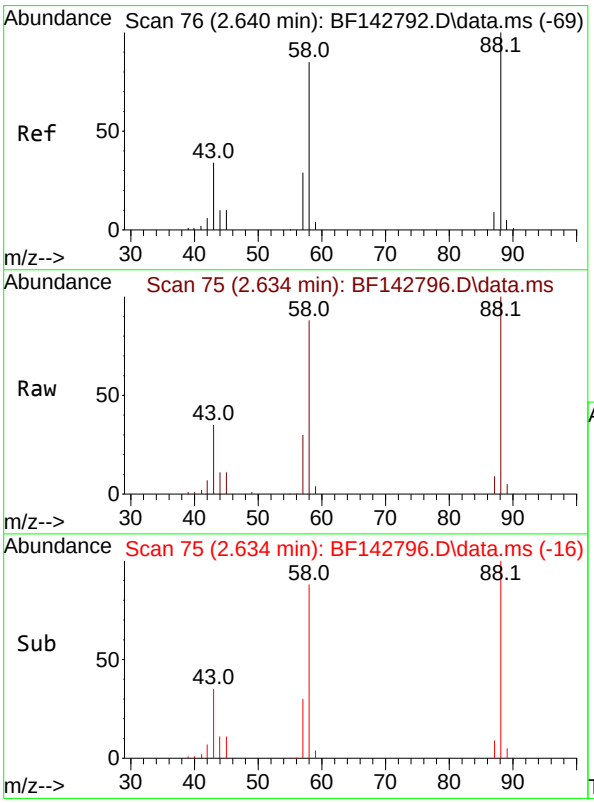

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:152 Resp: 74183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.0 | 127.2 | 190.8 |
| 115 | 57.9 | 46.6 | 69.8 |

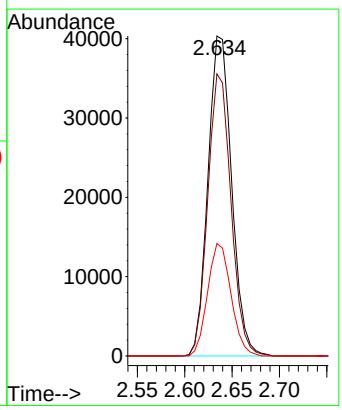


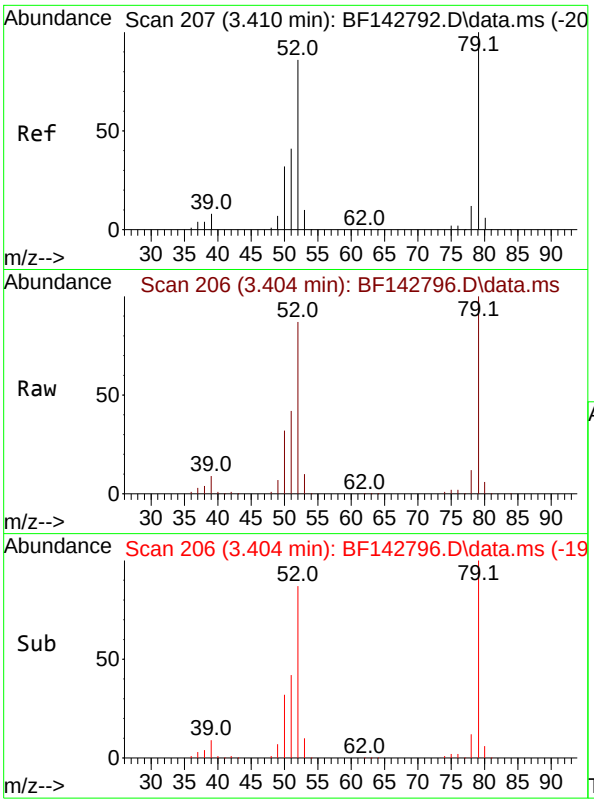




#2
1,4-Dioxane
Concen: 39.357 ng
RT: 2.634 min Scan# 75
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 88 Resp: 70139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 86.6 | 69.1 | 103.7 |
| 43 | 34.8 | 27.4 | 41.2 |



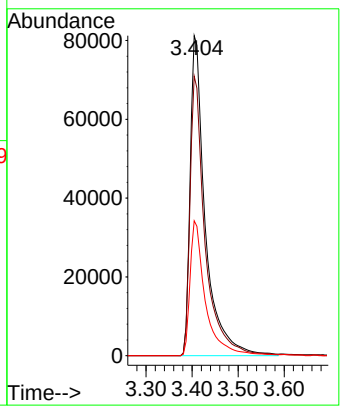


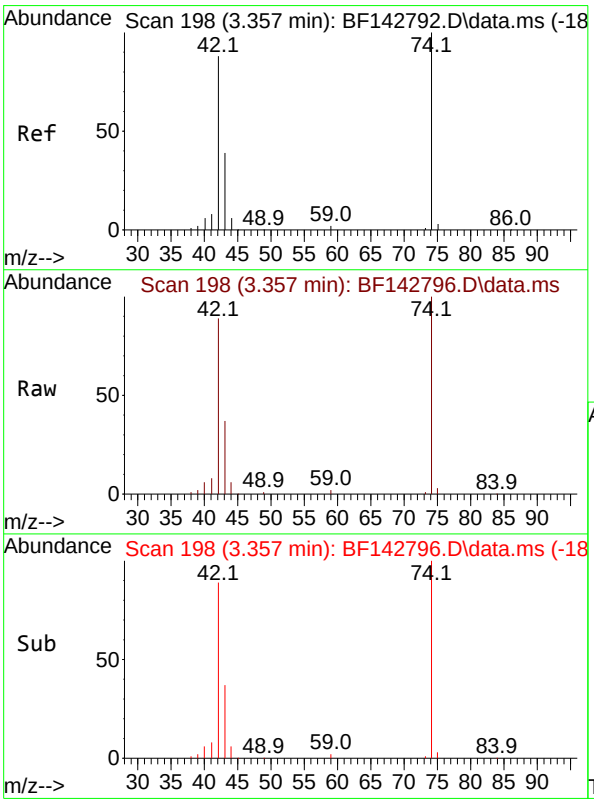

#3
Pyridine
Concen: 41.446 ng
RT: 3.404 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion: 79 Resp: 185173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 87.4 | 69.2 | 103.8 |
| 51 | 42.1 | 33.2 | 49.8 |

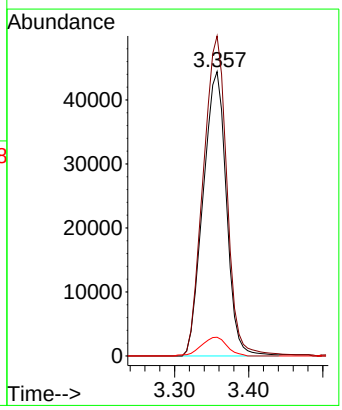


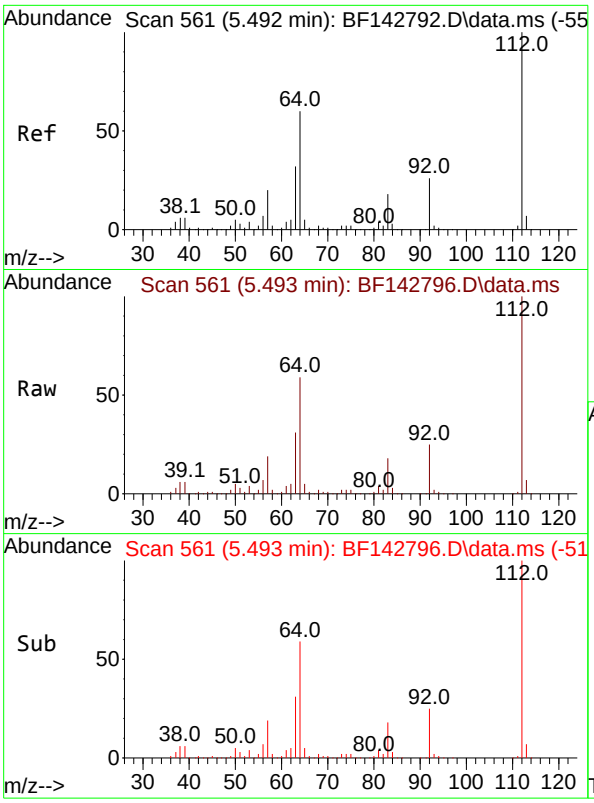




#4
n-Nitrosodimethylamine
Concen: 41.912 ng
RT: 3.357 min Scan# 198
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 42 Resp: 96831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 112.6 | 90.9 | 136.3 |
| 44 | 6.6 | 5.8 | 8.6 |



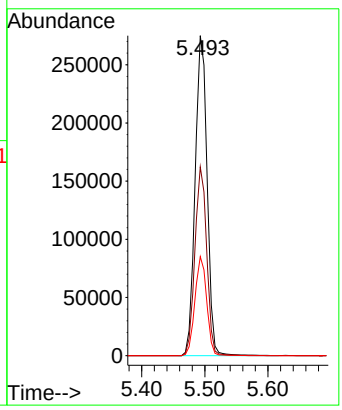


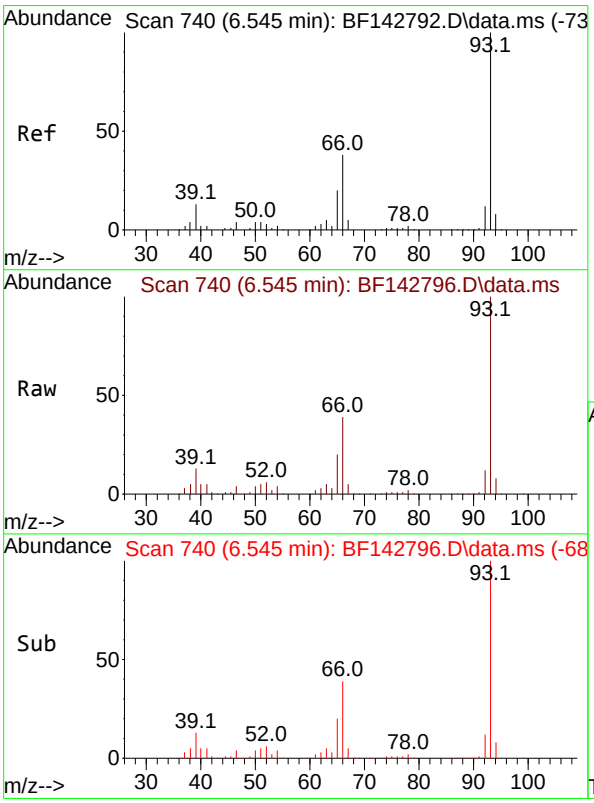

#5
2-Fluorophenol
Concen: 81.192 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.001 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:112 Resp: 361762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.0 | 48.2 | 72.2 |
| 63 | 31.0 | 25.7 | 38.5 |

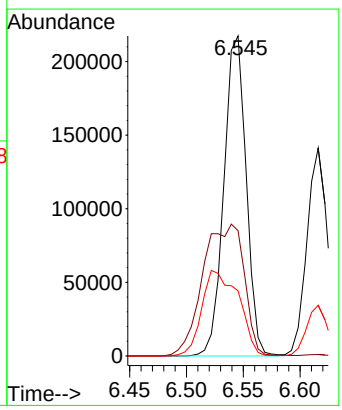


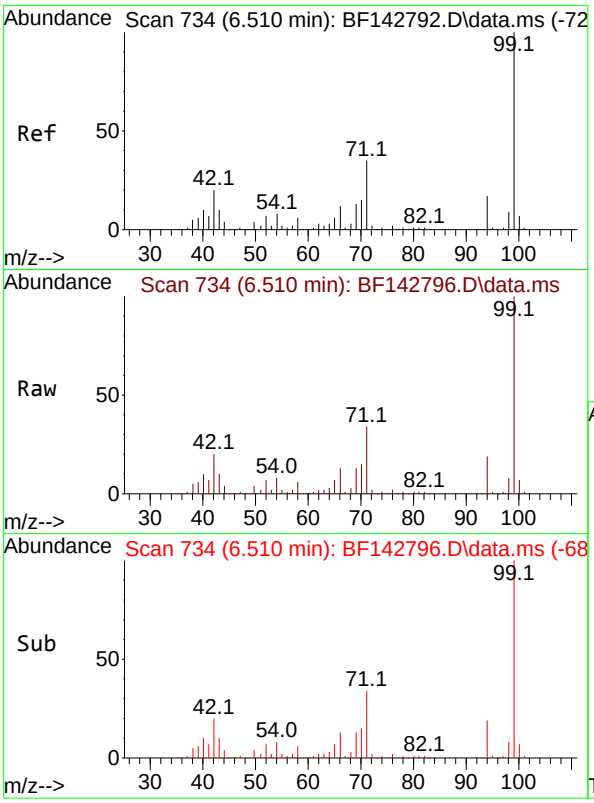




#6
Aniline
Concen: 42.392 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 93 Resp: 296519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.2 | 31.8 | 47.6 |
| 65 | 20.4 | 16.2 | 24.2 |



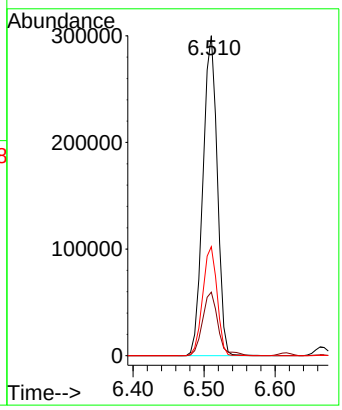


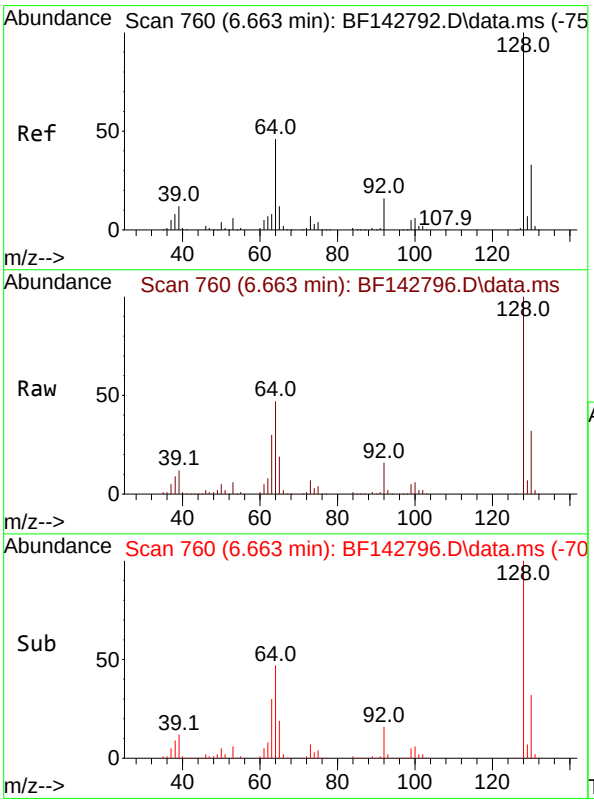

#7
Phenol-d6
Concen: 80.262 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion: 99 Resp: 421918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.8 | 15.9 | 23.9 |
| 71 | 34.1 | 27.8 | 41.8 |

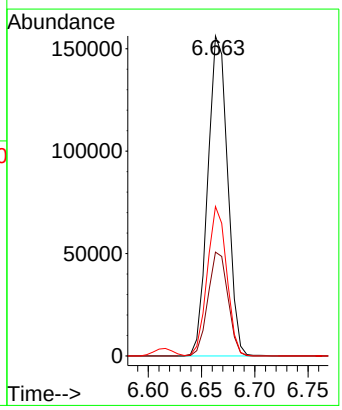


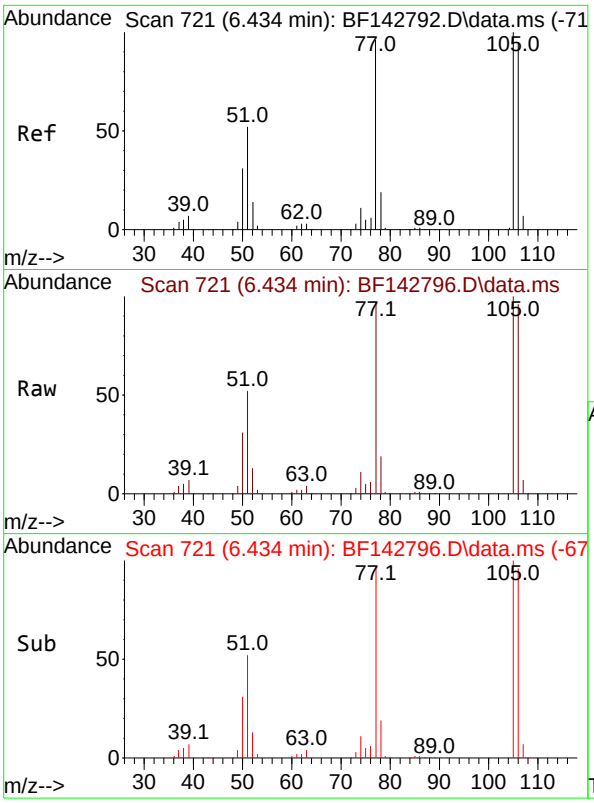




#8
2-Chlorophenol
Concen: 42.036 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:128 Resp: 202041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.4 | 12.7 | 52.7 |
| 64 | 46.7 | 26.5 | 66.5 |



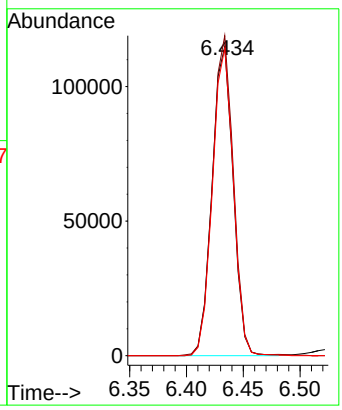


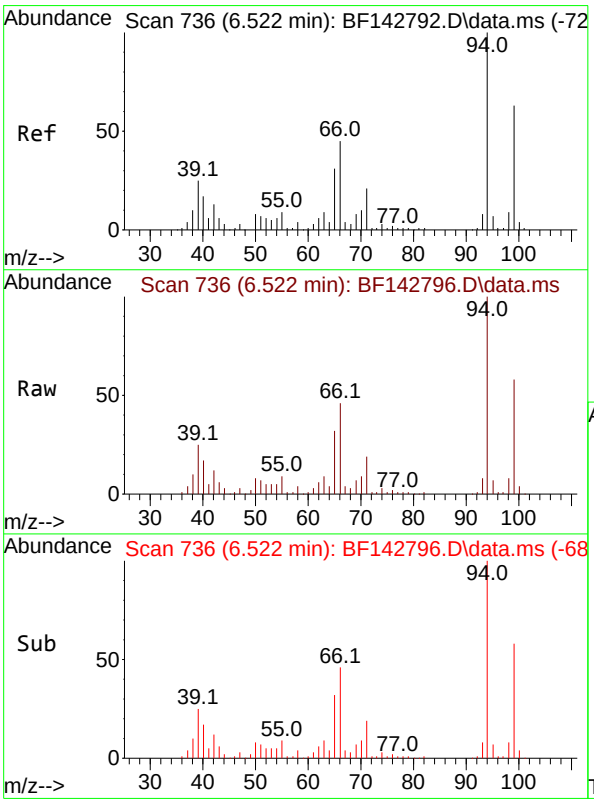

#9
Benzaldehyde
Concen: 47.511 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion: 77 Resp: 148174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 103.4 | 83.8 | 123.8 |
| 106 | 99.4 | 78.7 | 118.7 |

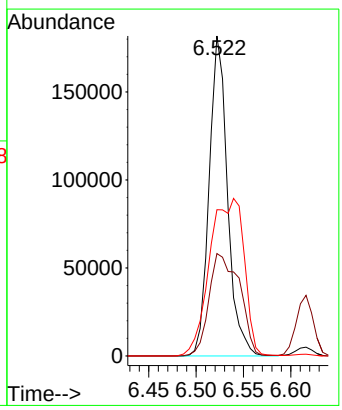


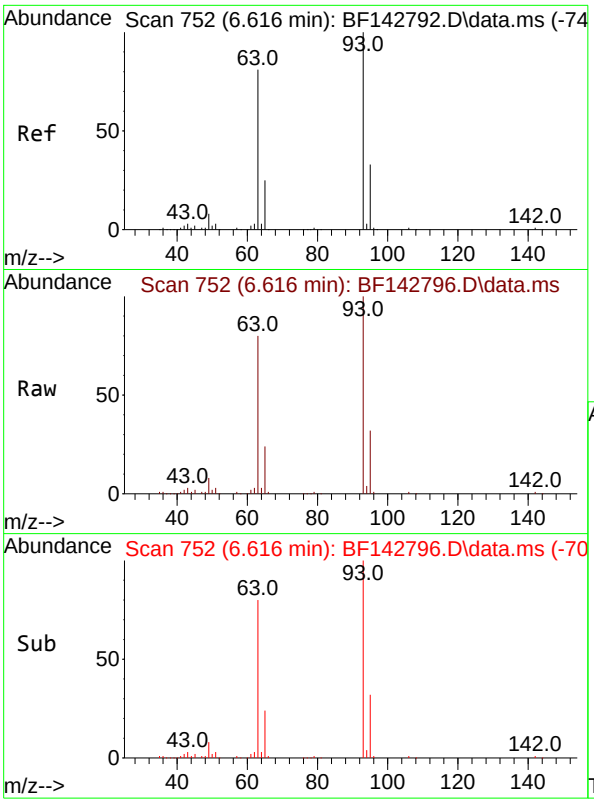




#10
Phenol
Concen: 41.901 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 94 Resp: 244839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 32.0 | 11.3 | 51.3 |
| 66 | 45.7 | 24.9 | 64.9 |



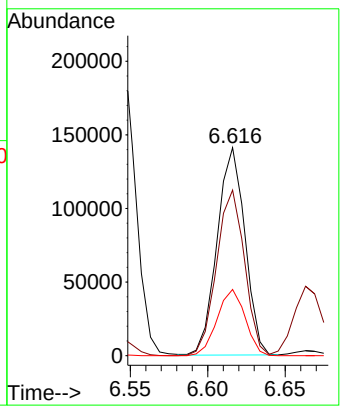


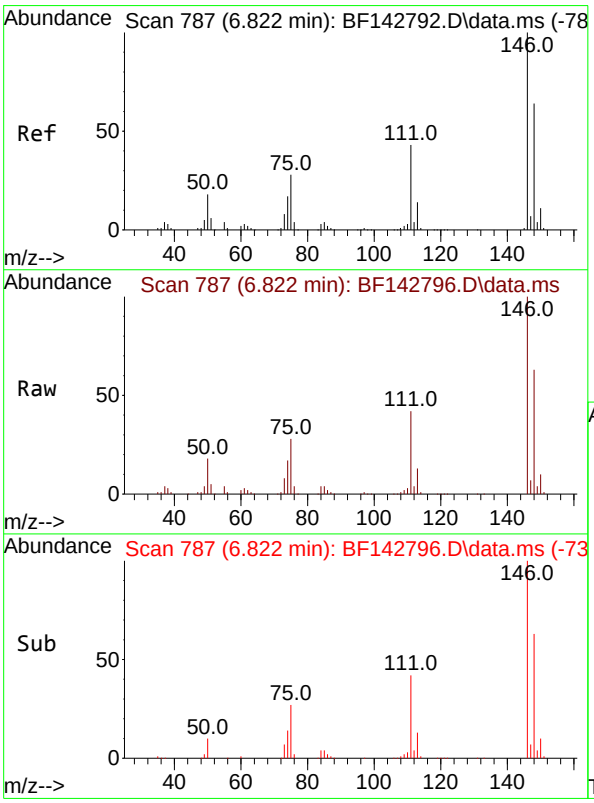

#11
bis(2-Chloroethyl)ether
Concen: 42.157 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion: 93 Resp: 176058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 79.6 | 60.3 | 100.3 |
| 95 | 31.9 | 12.5 | 52.5 |

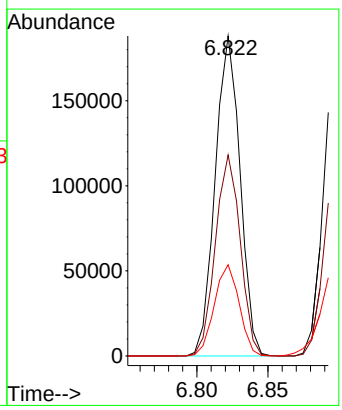


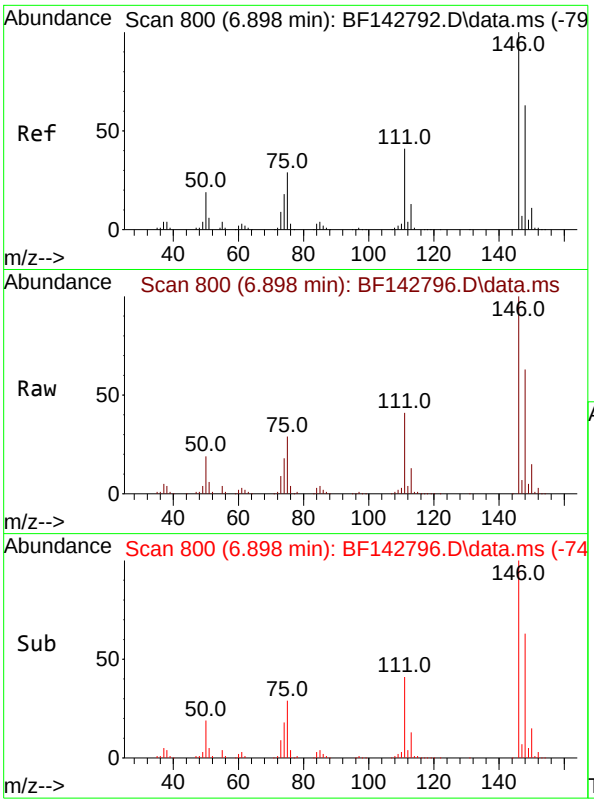




#12
1,3-Dichlorobenzene
Concen: 42.568 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:146 Resp: 228820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.8 | 51.1 | 76.7 |
| 75 | 28.5 | 22.7 | 34.1 |



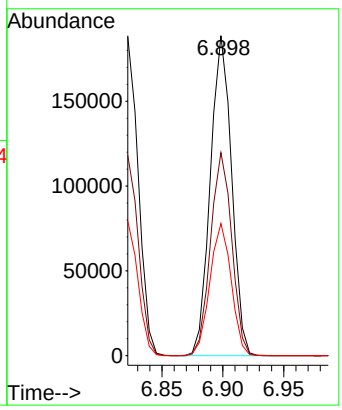


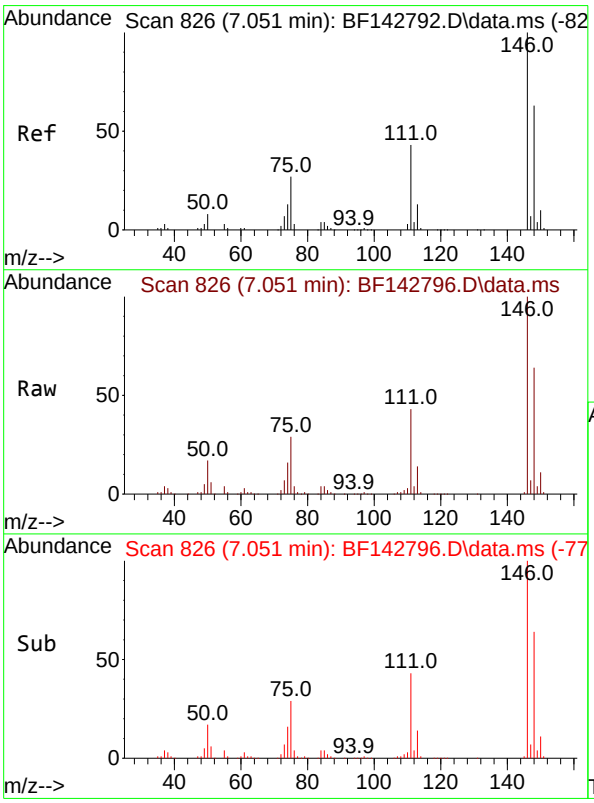

#13
1,4-Dichlorobenzene
Concen: 42.268 ng
RT: 6.898 min Scan# 8(
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:146 Resp: 229234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.5 | 50.2 | 75.2 |
| 111 | 41.3 | 33.2 | 49.8 |

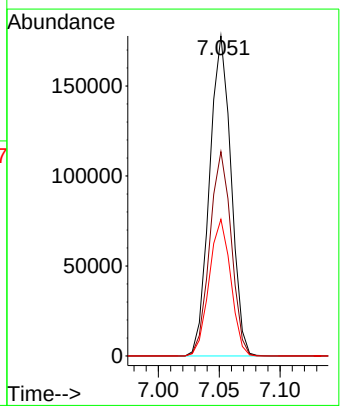


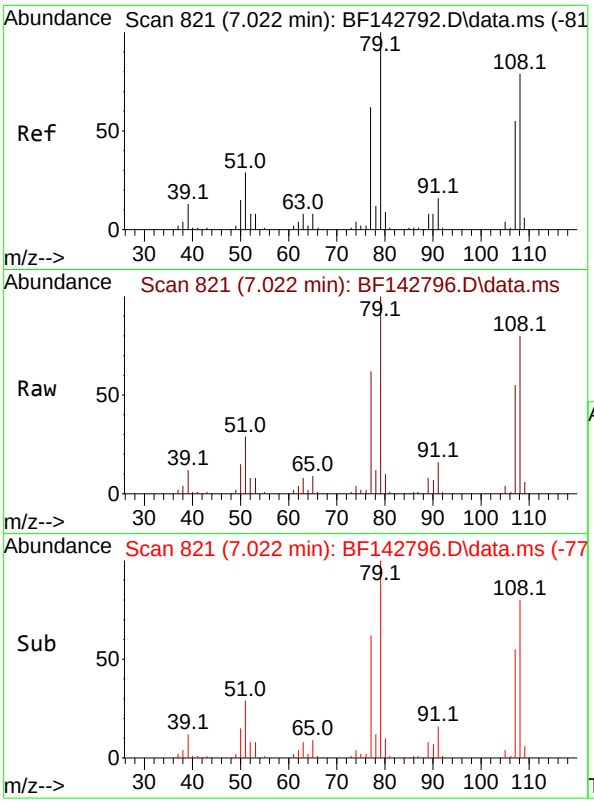




#14
1,2-Dichlorobenzene
Concen: 42.520 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:146 Resp: 218720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 50.4 | 75.6 |
| 111 | 42.7 | 34.1 | 51.1 |



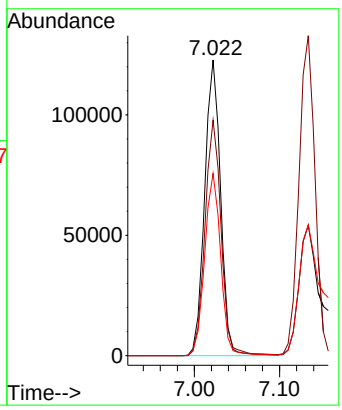


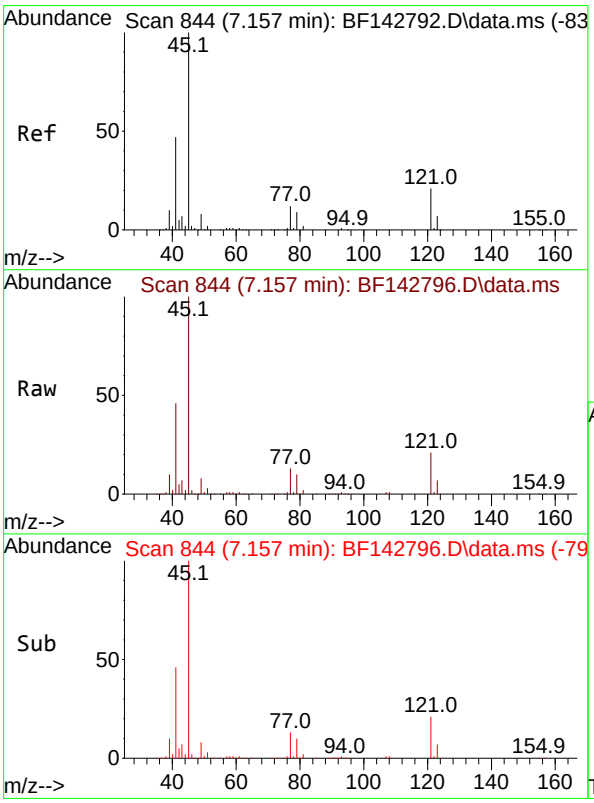

#15
Benzyl Alcohol
Concen: 42.114 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion: 79 Resp: 160044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 79.6 | 63.4 | 95.0 |
| 77 | 61.7 | 49.5 | 74.3 |

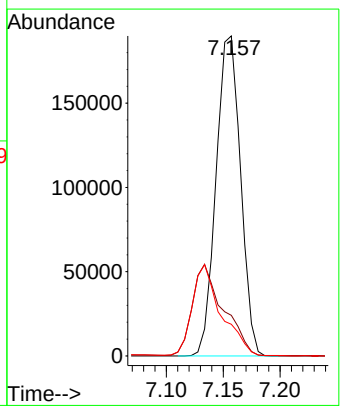


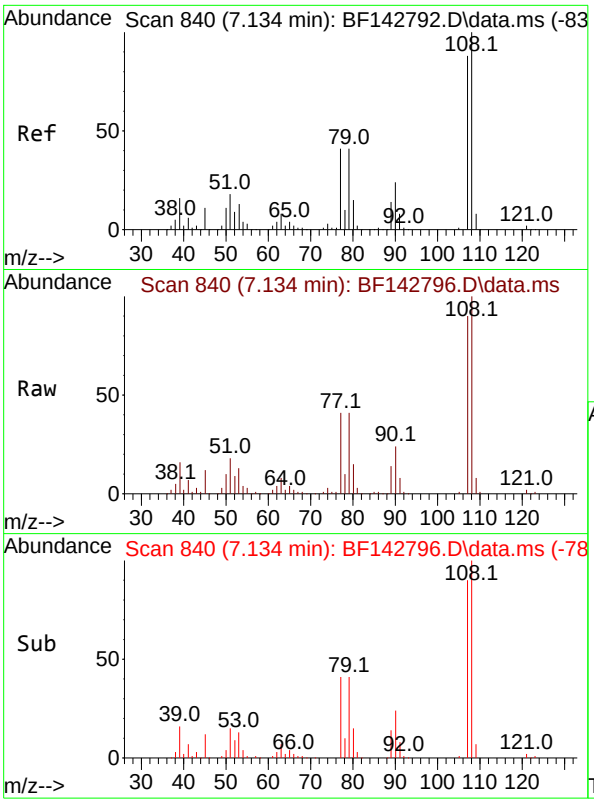




#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.379 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 45 Resp: 284352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 12.7 | 0.0 | 32.8 |
| 79 | 9.9 | 0.0 | 29.8 |



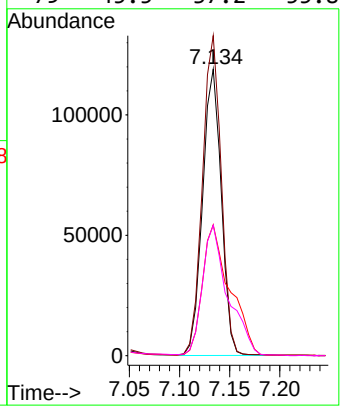


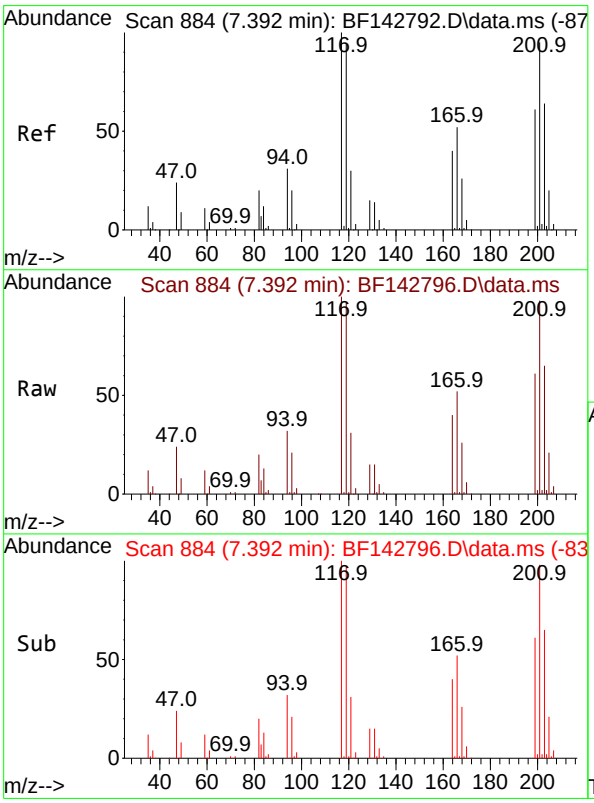

#17
2-Methylphenol
Concen: 42.485 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:107 Resp: 154746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.6 | 90.9 | 136.3 |
| 77 | 45.7 | 37.3 | 55.9 |
| 79 | 45.5 | 37.2 | 55.8 |

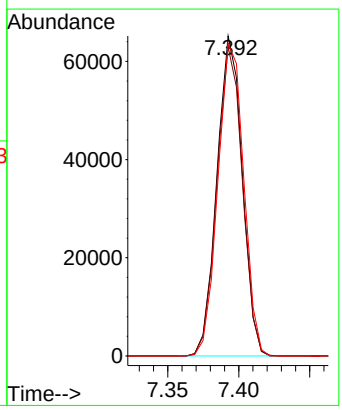


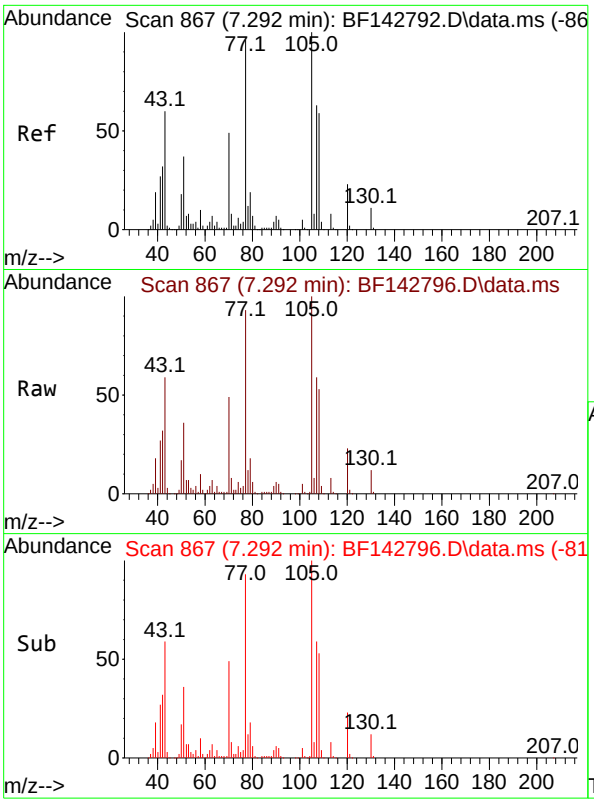




#18
Hexachloroethane
Concen: 42.589 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:117 Resp: 80788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.6 | 75.4 | 113.0 |
| 201 | 97.7 | 75.9 | 113.9 |



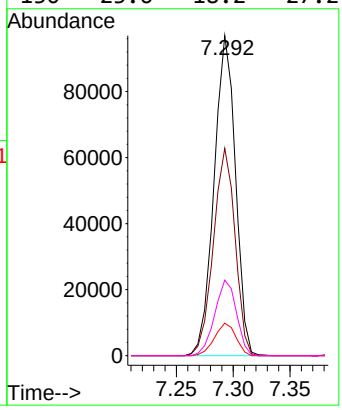


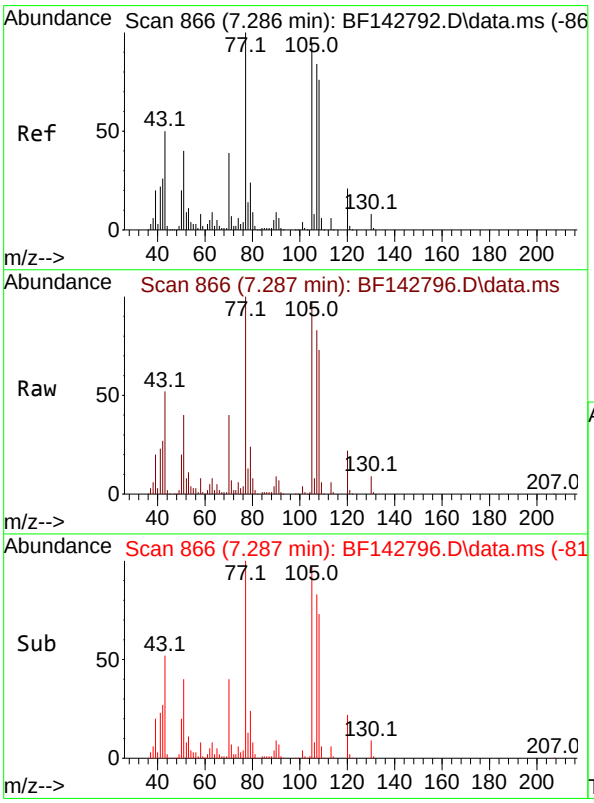

#19
n-Nitroso-di-n-propylamine
Concen: 41.640 ng
RT: 7.292 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion: 70 Resp: 127308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 64.8 | 52.1 | 78.1 |
| 101 | 10.1 | 8.2 | 12.2 |
| 130 | 23.6 | 18.2 | 27.2 |

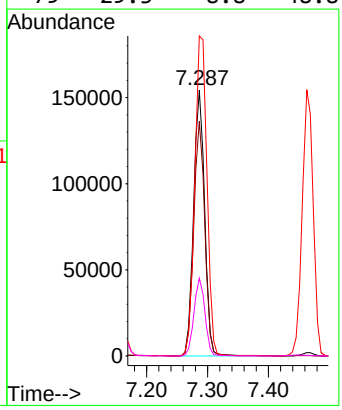


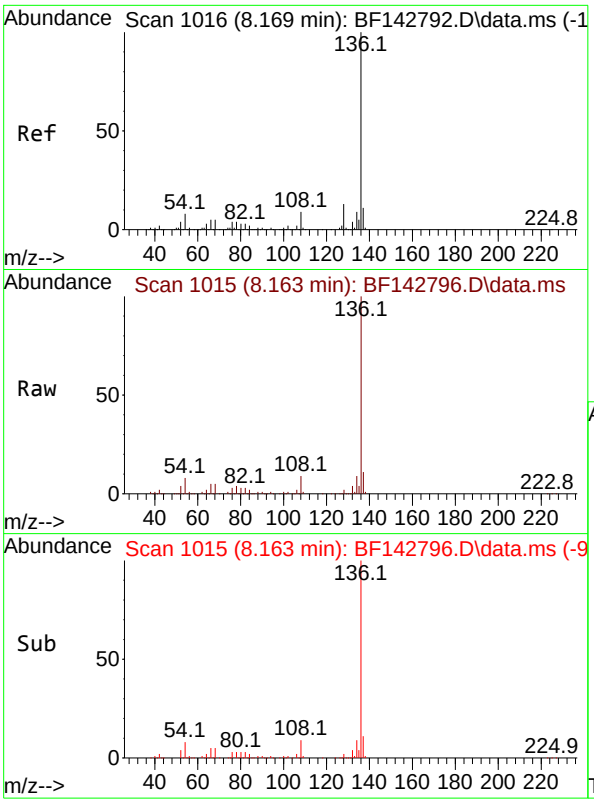




#20
3+4-Methylphenols
Concen: 42.904 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:107 Resp: 194841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.3 | 70.0 | 110.0 |
| 77 | 120.4 | 98.5 | 138.5 |
| 79 | 29.3 | 8.8 | 48.8 |



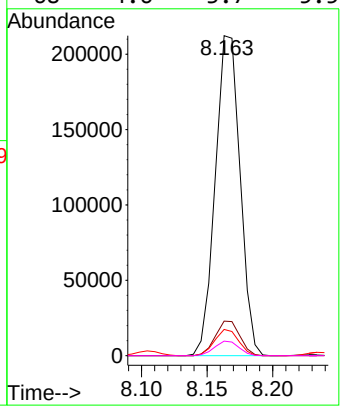


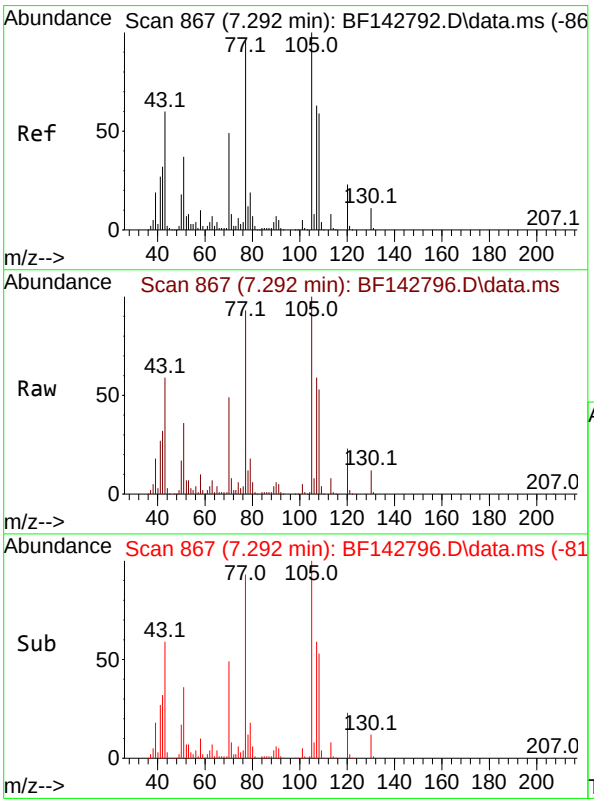

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:136 Resp: 279139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.4 | 12.6 |
| 54 | 8.2 | 6.3 | 9.5 |
| 68 | 4.6 | 3.7 | 5.5 |

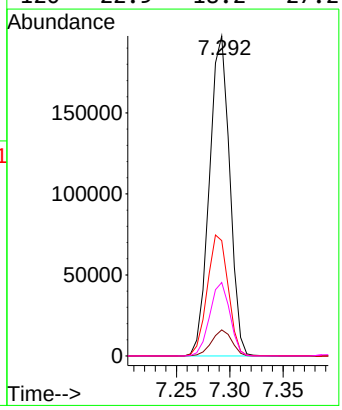


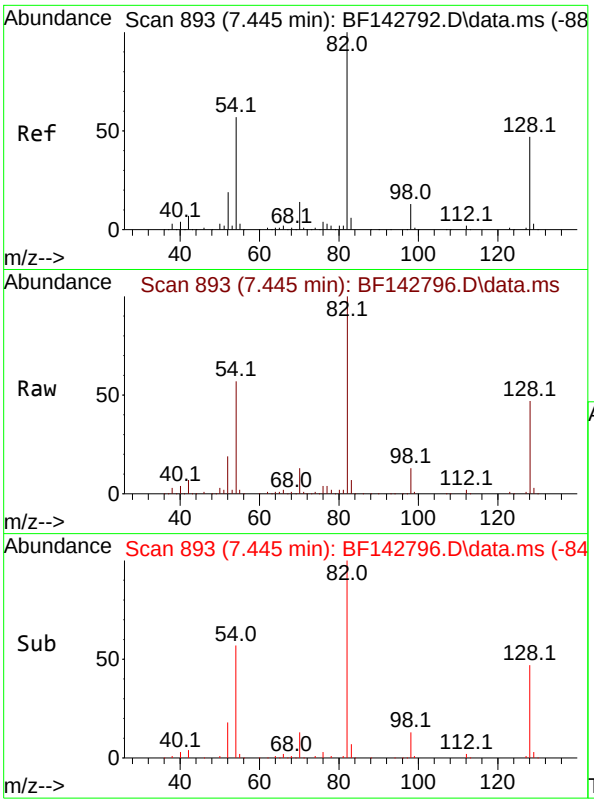




#22
Acetophenone
Concen: 42.478 ng
RT: 7.292 min Scan# 867
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:105 Resp: 261474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.1 | 6.5 | 9.7 |
| 51 | 36.0 | 29.8 | 44.8 |
| 120 | 22.9 | 18.2 | 27.2 |



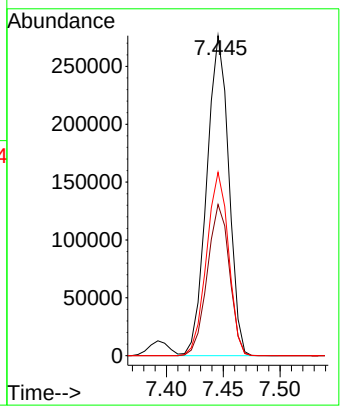


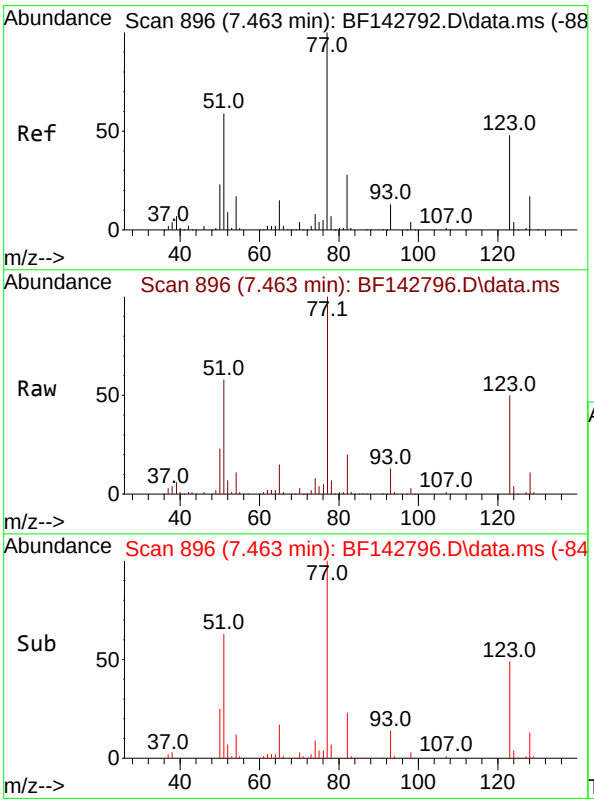

#23
Nitrobenzene-d5
Concen: 73.334 ng
RT: 7.445 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion: 82 Resp: 373199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.2 | 37.7 | 56.5 |
| 54 | 57.3 | 45.7 | 68.5 |

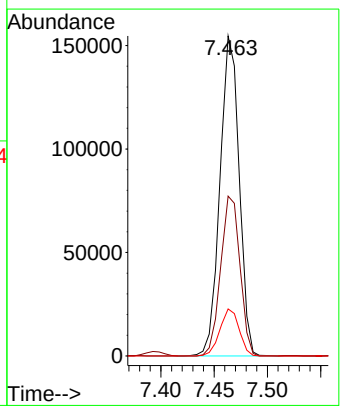


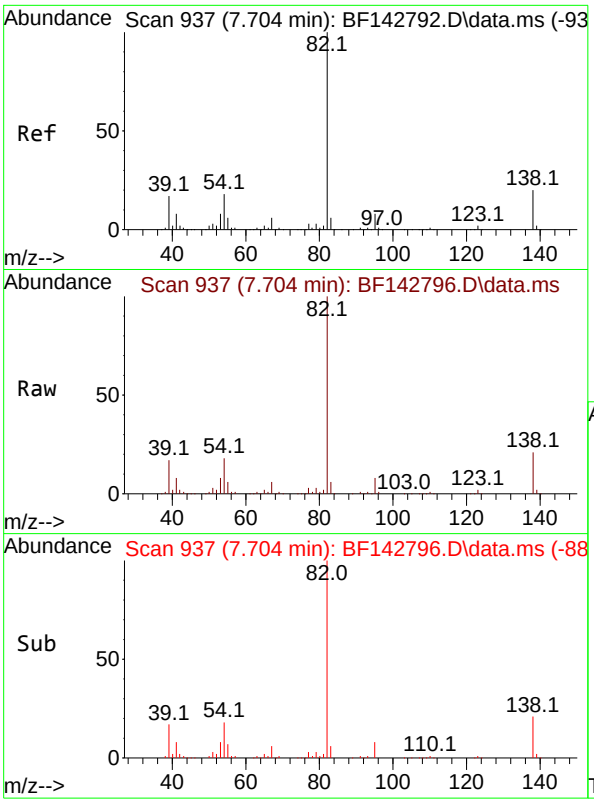




#24
Nitrobenzene
Concen: 41.968 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 77 Resp: 193310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 50.0 | 39.2 | 58.8 |
| 65 | 14.7 | 11.6 | 17.4 |



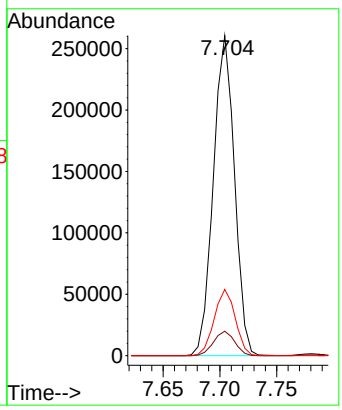


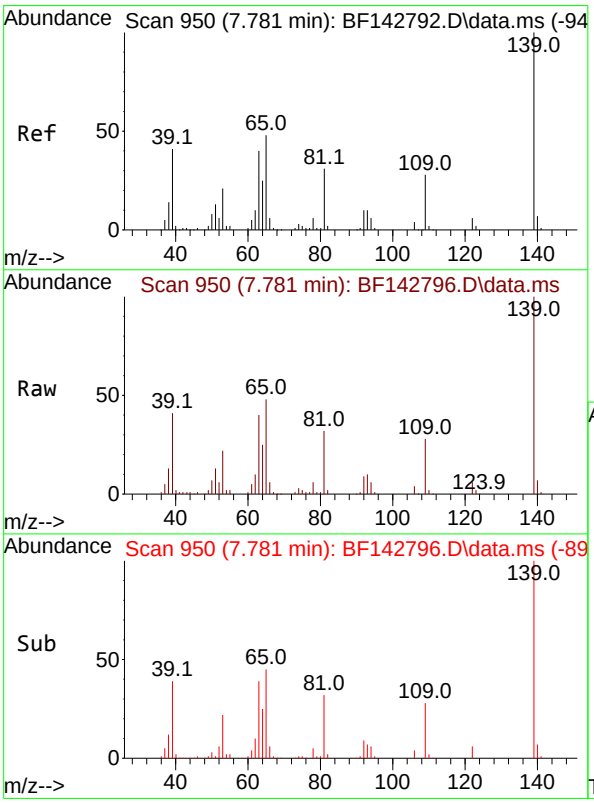

#25
Isophorone
Concen: 41.403 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion: 82 Resp: 338001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.7 | 6.2 | 9.2 |
| 138 | 20.7 | 16.2 | 24.4 |

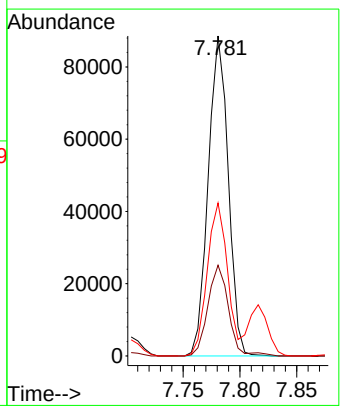


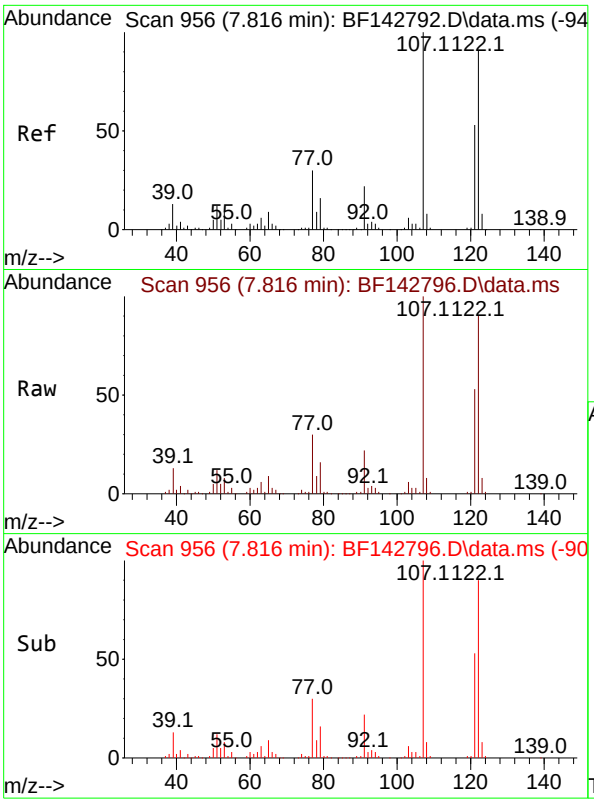




#26
2-Nitrophenol
Concen: 43.224 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:139 Resp: 108455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 28.4 | 22.7 | 34.1 |
| 65 | 47.8 | 38.6 | 58.0 |



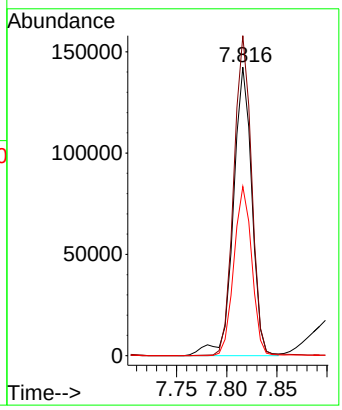


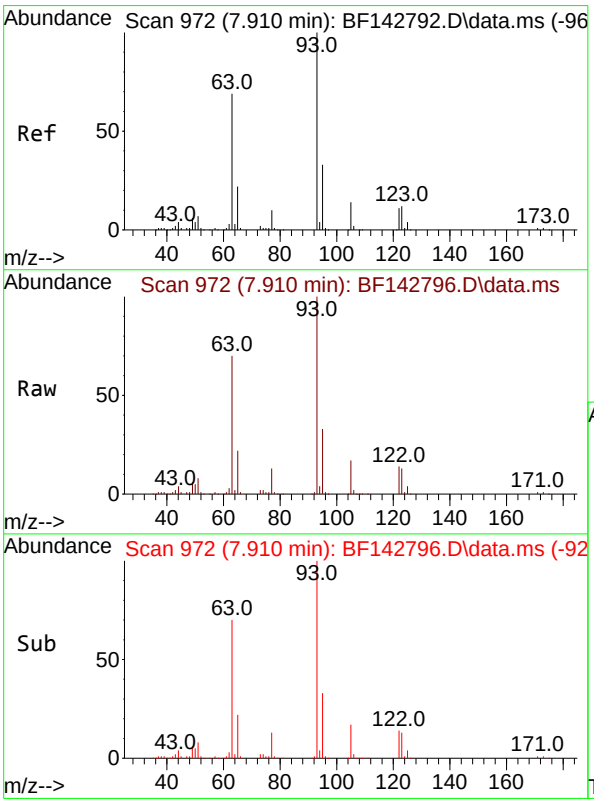

#27
2,4-Dimethylphenol
Concen: 42.168 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:122 Resp: 183273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 110.9 | 88.0 | 132.0 |
| 121 | 58.6 | 46.3 | 69.5 |

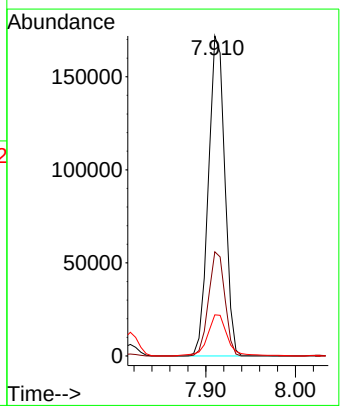


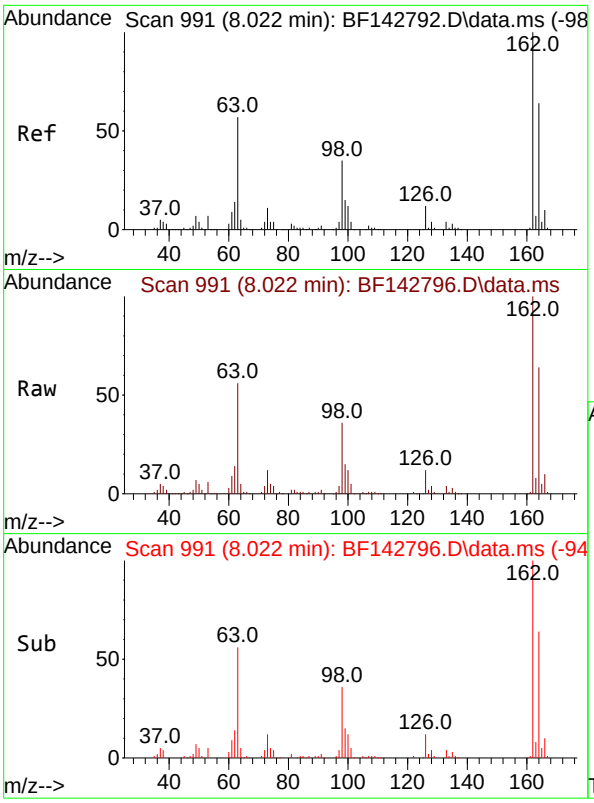




#28
bis(2-Chloroethoxy)methane
Concen: 41.960 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 93 Resp: 217774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.5 | 26.2 | 39.2 |
| 123 | 12.9 | 9.9 | 14.9 |



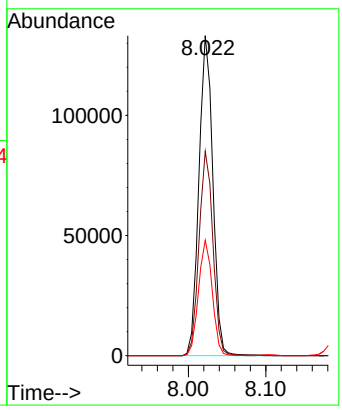


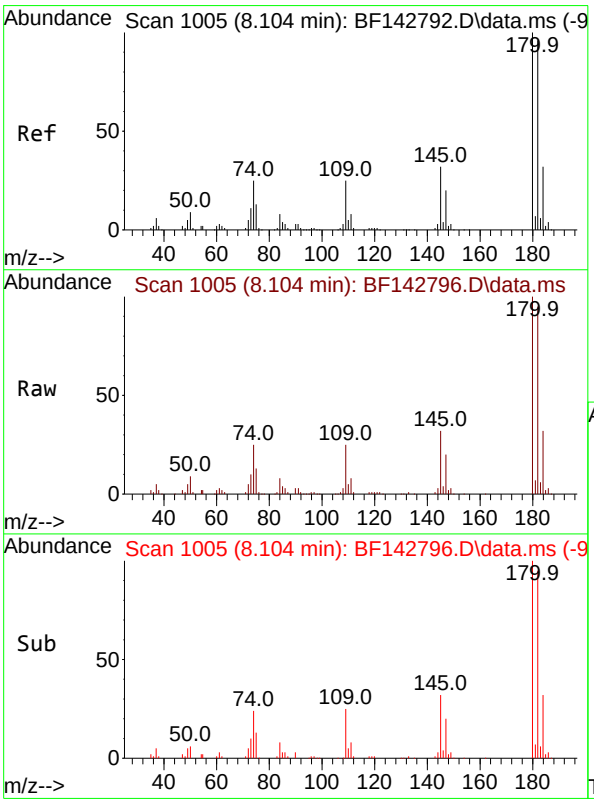

#29
2,4-Dichlorophenol
Concen: 42.196 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:162 Resp: 166286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.8 | 44.0 | 84.0 |
| 98 | 36.1 | 15.4 | 55.4 |

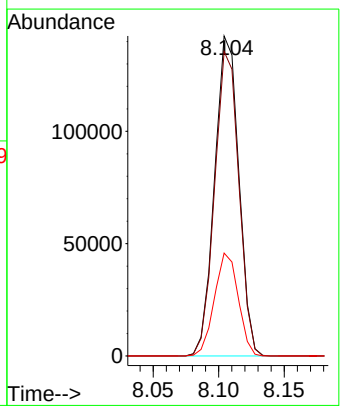


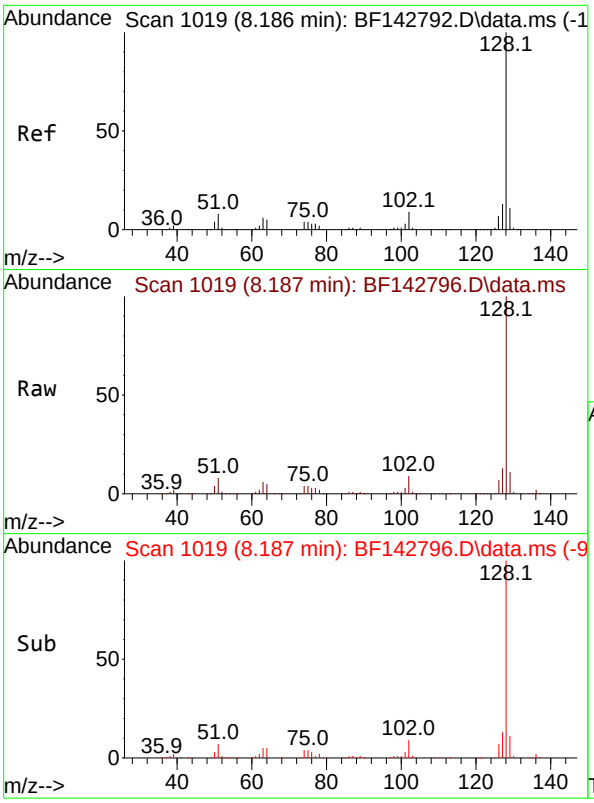




#30
1,2,4-Trichlorobenzene
Concen: 42.177 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:180 Resp: 182768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.1 | 76.4 | 114.6 |
| 145 | 32.1 | 25.8 | 38.8 |



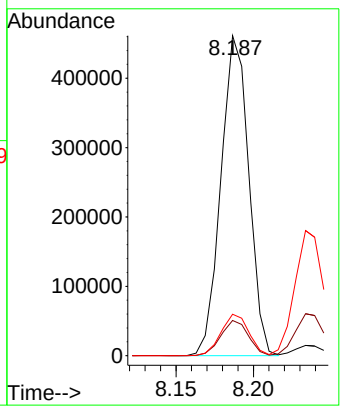


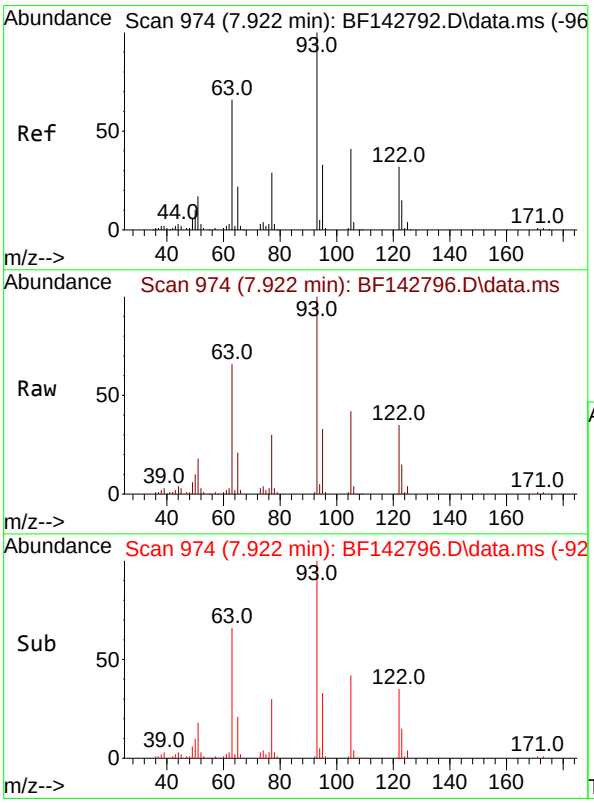

#31
Naphthalene
Concen: 42.218 ng
RT: 8.187 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:128 Resp: 576847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.9 | 13.3 |
| 127 | 12.9 | 10.4 | 15.6 |

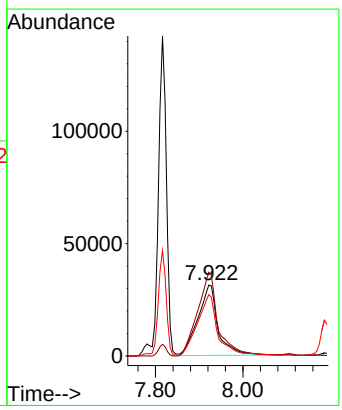


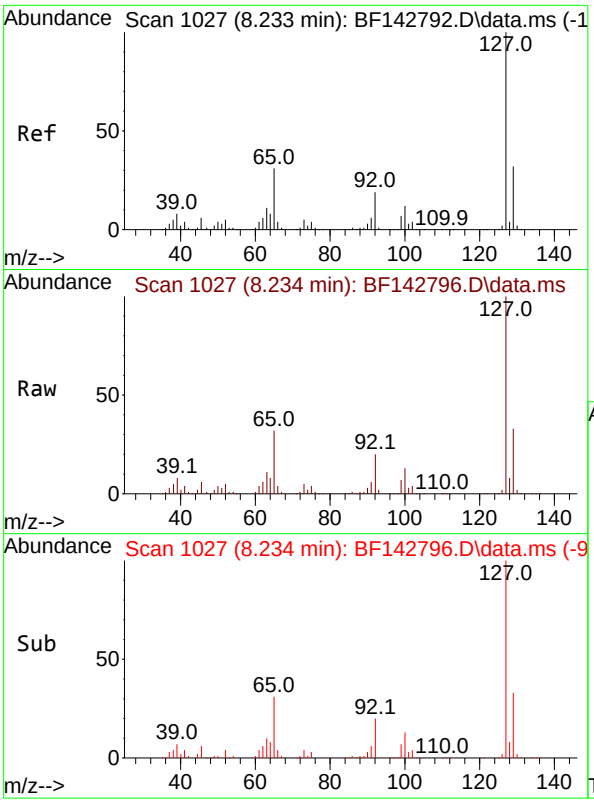




#32
Benzoic acid
Concen: 45.685 ng
RT: 7.922 min Scan# 974
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:122 Resp: 101203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 118.1 | 104.7 | 144.7 |
| 77 | 86.4 | 70.2 | 110.2 |



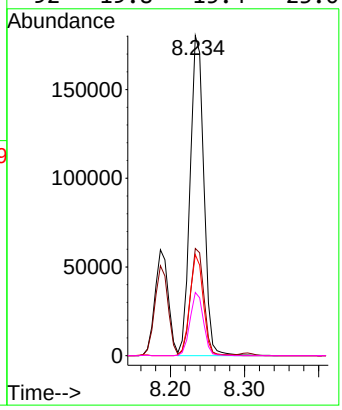


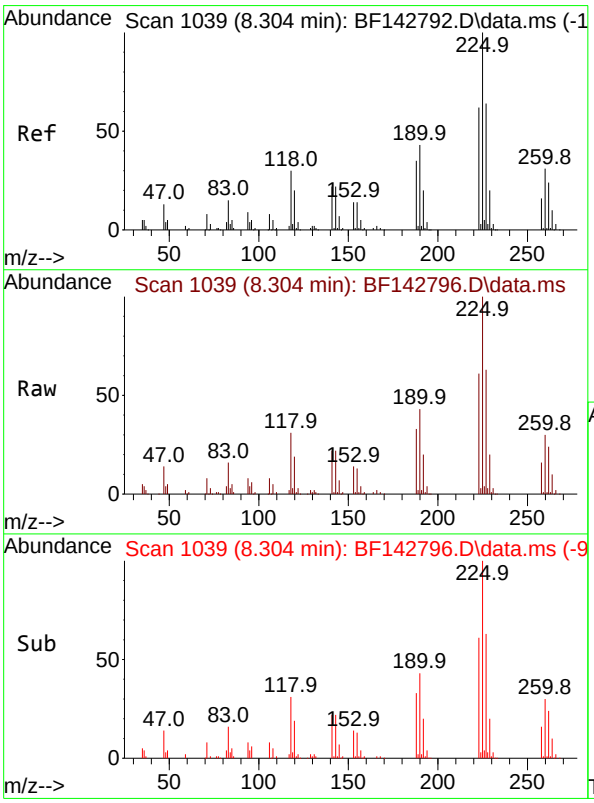

#33
4-Chloroaniline
Concen: 41.766 ng
RT: 8.234 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:127 Resp: 232045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 33.5 | 25.9 | 38.9 |
| 65 | 31.6 | 24.6 | 36.8 |
| 92 | 19.8 | 15.4 | 23.0 |

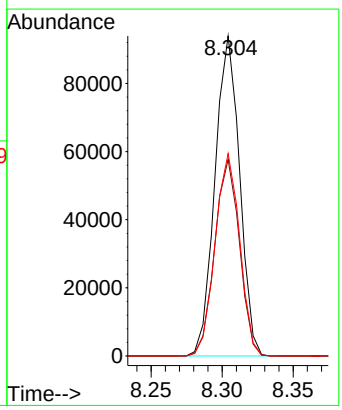


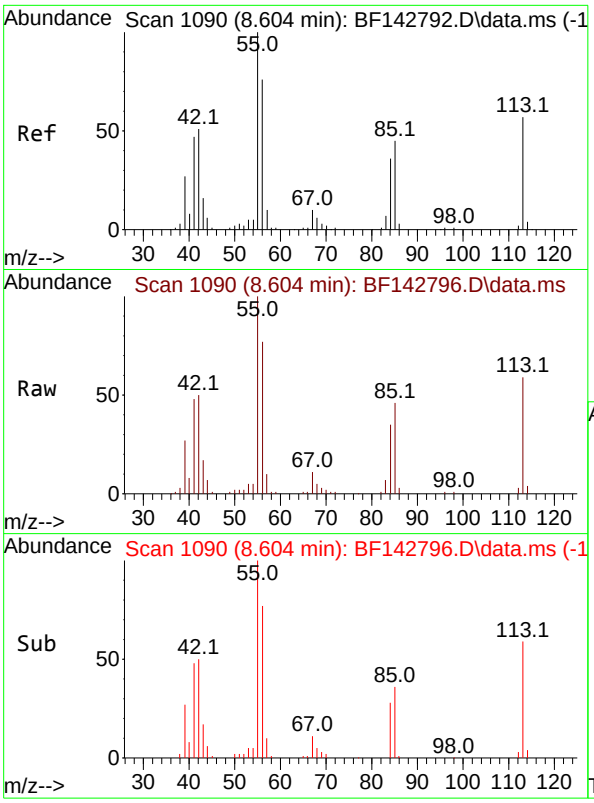




#34
Hexachlorobutadiene
Concen: 42.657 ng
RT: 8.304 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:225 Resp: 113068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.4 | 49.9 | 74.9 |
| 227 | 63.3 | 51.4 | 77.0 |



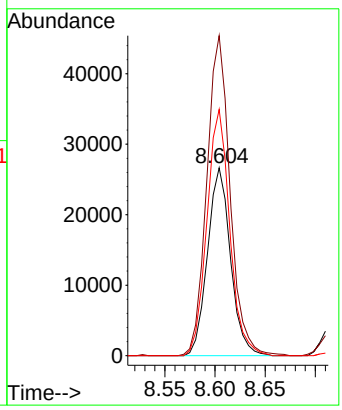


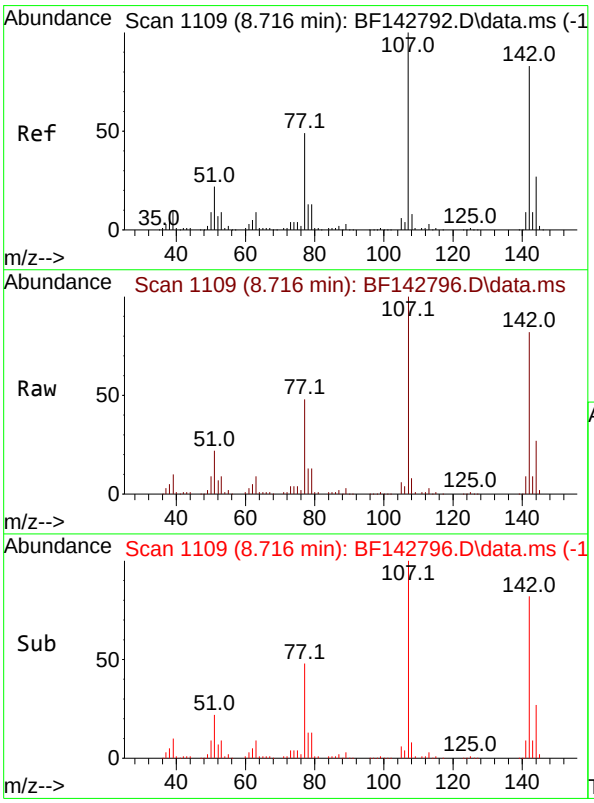

#35
Caprolactam
Concen: 40.928 ng
RT: 8.604 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:113 Resp: 42561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 170.4 | 154.4 | 194.4 |
| 56 | 131.1 | 112.1 | 152.1 |

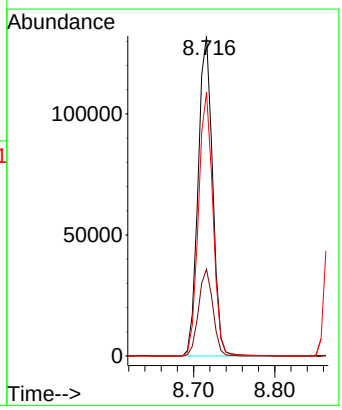


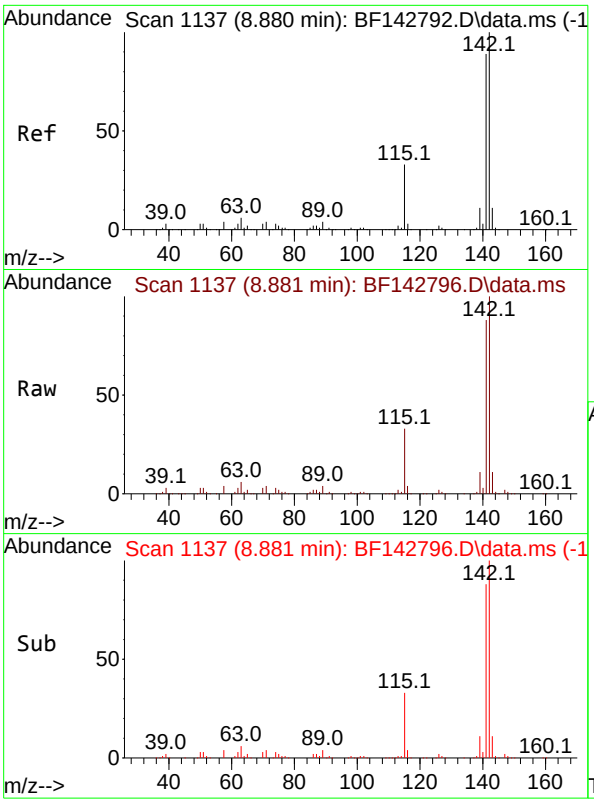




#36
4-Chloro-3-methylphenol
Concen: 41.890 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:107 Resp: 164064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 27.1 | 21.3 | 31.9 |
| 142 | 82.4 | 66.6 | 100.0 |



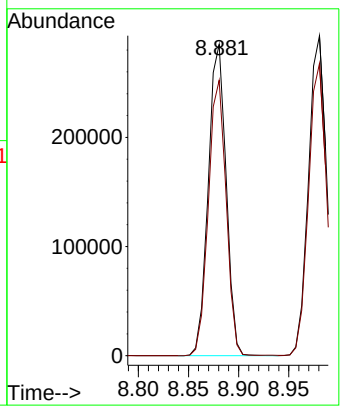


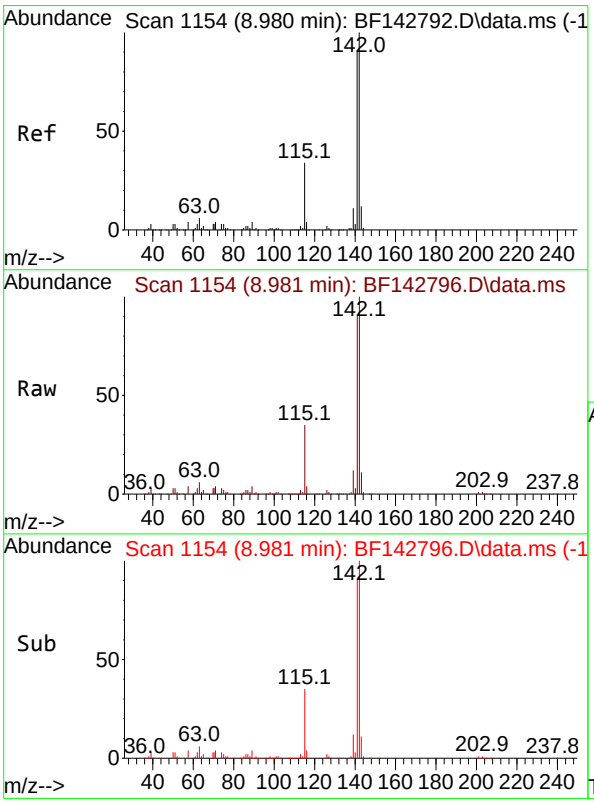

#37
2-Methylnaphthalene
Concen: 41.730 ng
RT: 8.881 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:142 Resp: 353484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.5 | 70.9 | 106.3 |

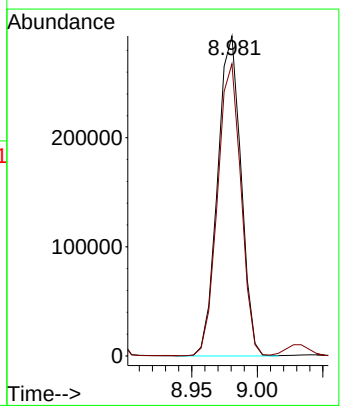


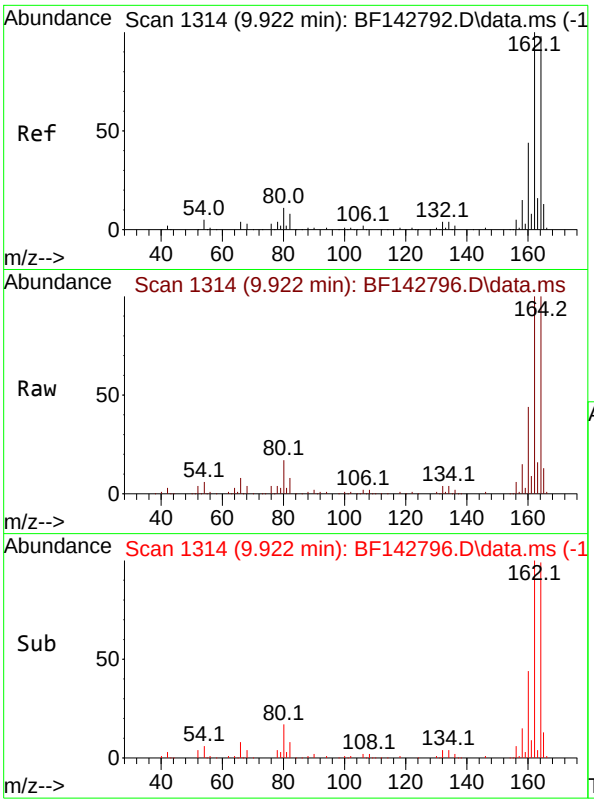




#38
1-Methylnaphthalene
Concen: 41.554 ng
RT: 8.981 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:142 Resp: 364378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.3 | 73.0 | 109.4 |



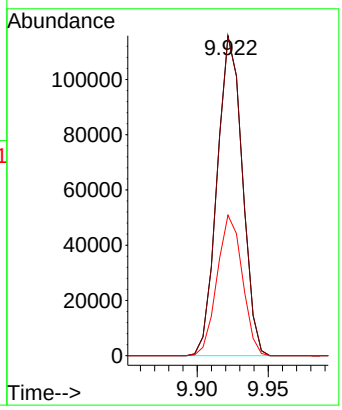


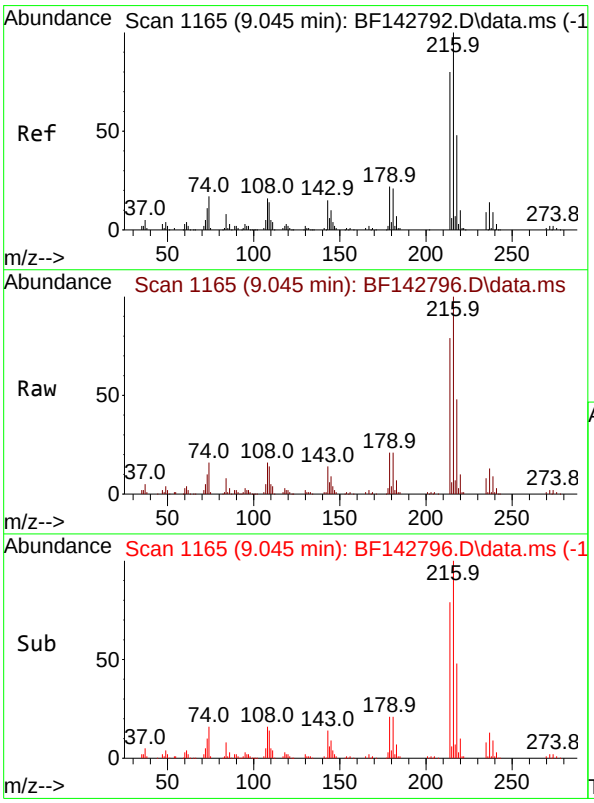

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:164 Resp: 142968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.6 | 81.8 | 122.8 |
| 160 | 43.9 | 36.0 | 54.0 |

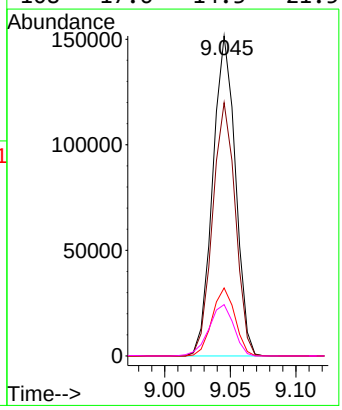


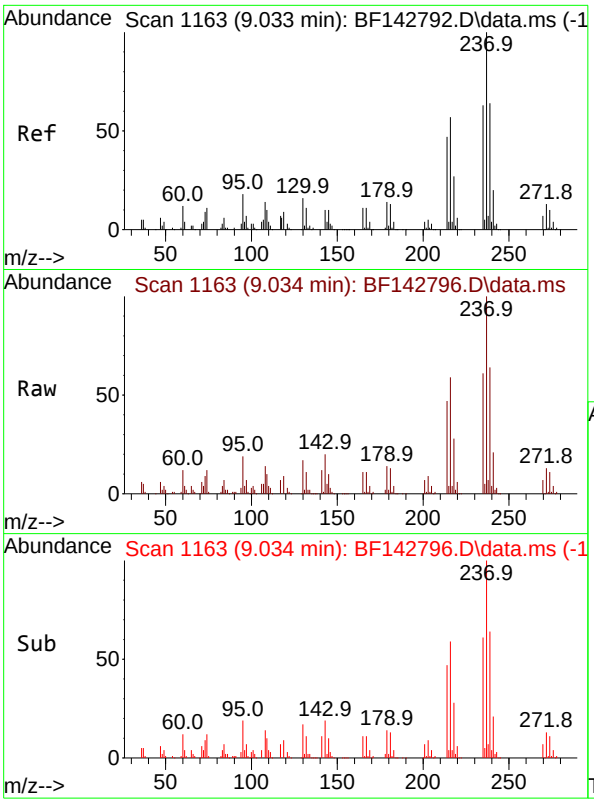




#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.233 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:216 Resp: 182379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.1 | 63.7 | 95.5 |
| 179 | 21.3 | 17.6 | 26.4 |
| 108 | 17.6 | 14.3 | 21.5 |



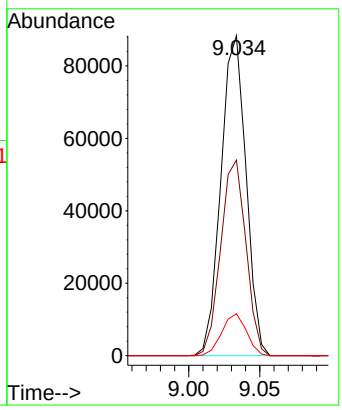


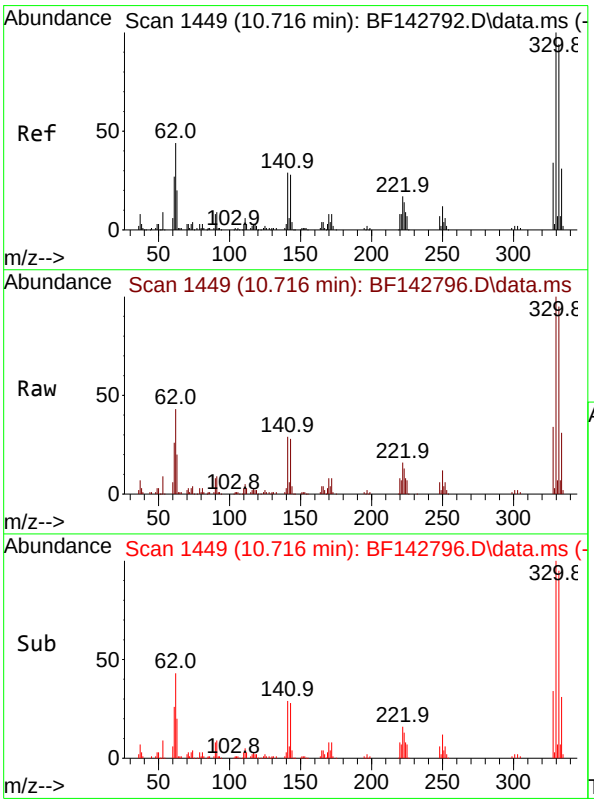

#41
Hexachlorocyclopentadiene
Concen: 45.361 ng
RT: 9.034 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:237 Resp: 108592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.2 | 43.4 | 83.4 |
| 272 | 13.1 | 0.0 | 32.7 |

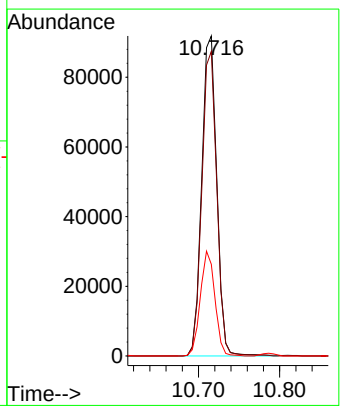


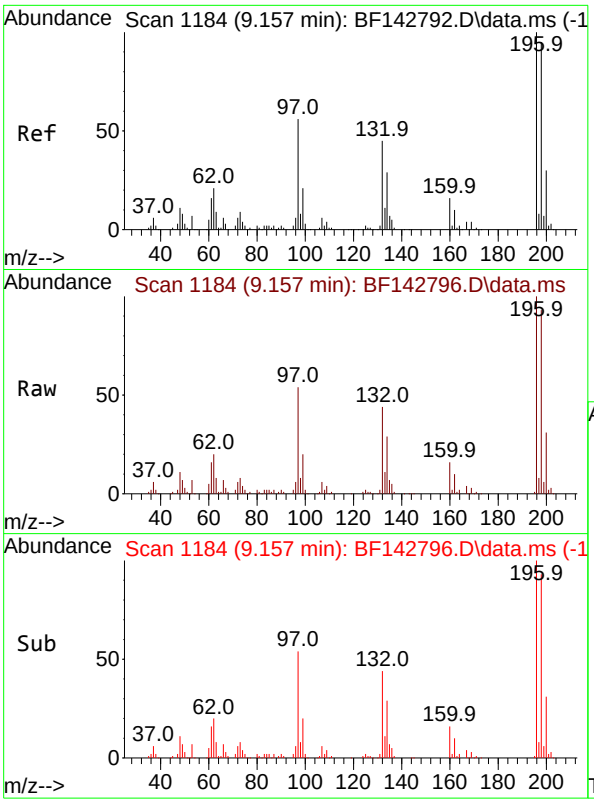




#42
2,4,6-Tribromophenol
Concen: 80.065 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:330 Resp: 117795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.8 | 75.0 | 112.6 |
| 141 | 31.9 | 25.3 | 37.9 |



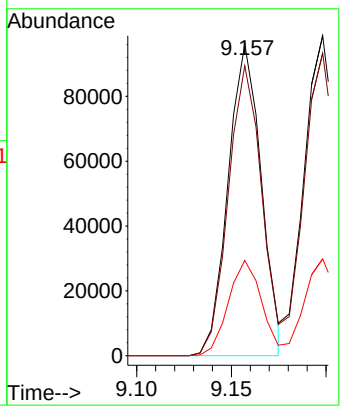


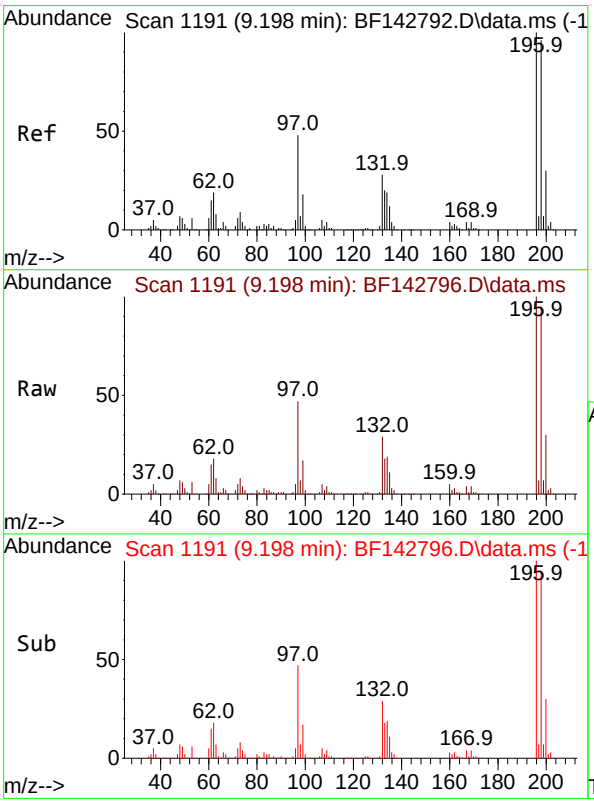

#43
2,4,6-Trichlorophenol
Concen: 42.543 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:196 Resp: 116946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 93.0 | 76.2 | 114.2 |
| 200 | 30.5 | 24.1 | 36.1 |

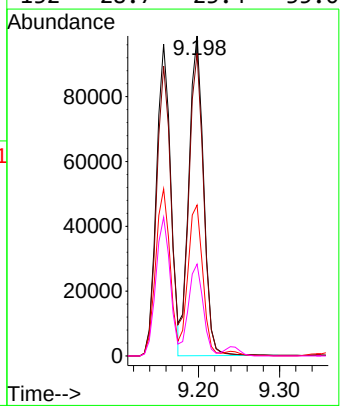


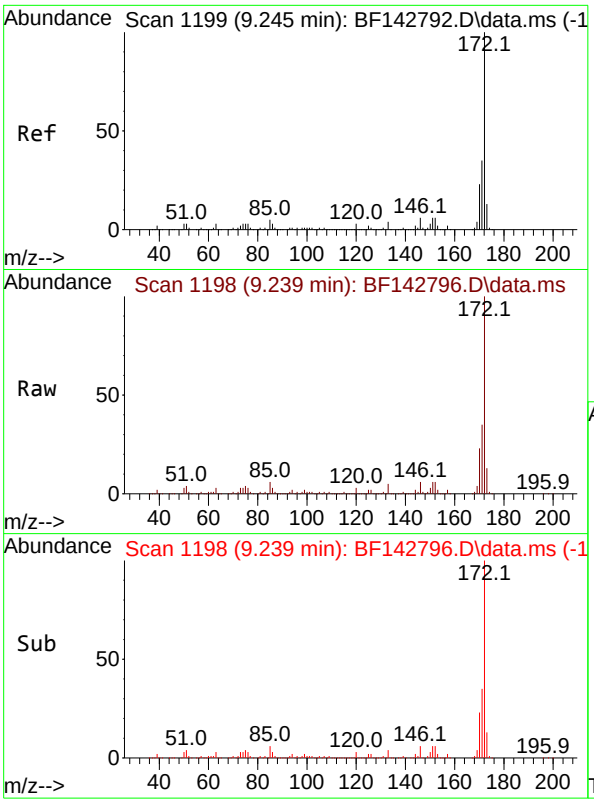




#44
2,4,5-Trichlorophenol
Concen: 43.045 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:196 Resp: 124558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.5 | 76.6 | 115.0 |
| 97 | 47.1 | 38.2 | 57.2 |
| 132 | 28.7 | 23.4 | 35.0 |



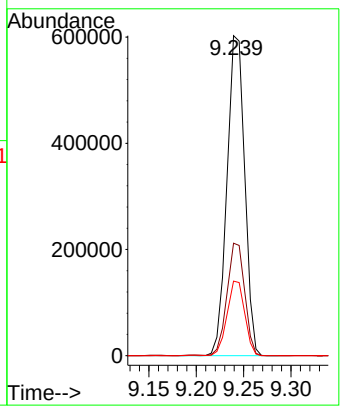


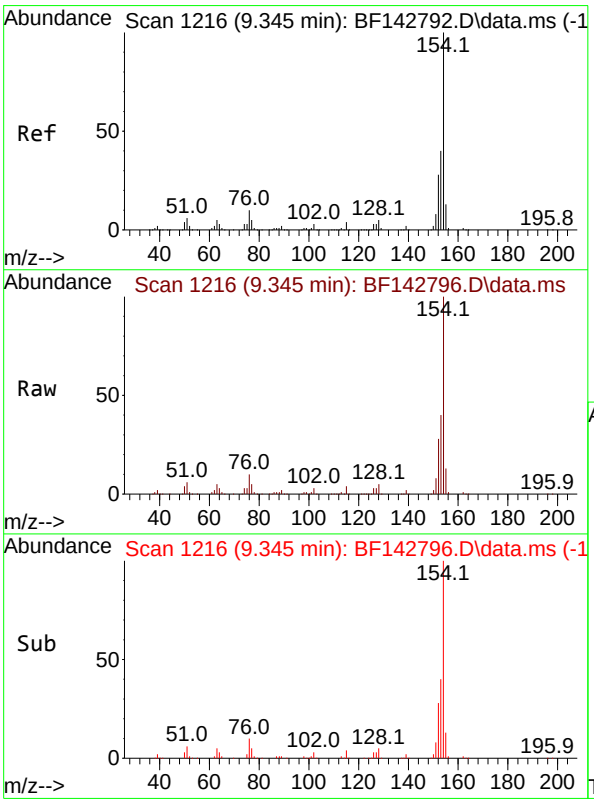

#45
2-Fluorobiphenyl
Concen: 72.171 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:172 Resp: 785440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.2 | 42.4 |
| 170 | 23.3 | 18.5 | 27.7 |

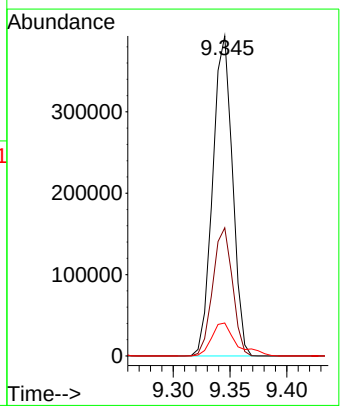


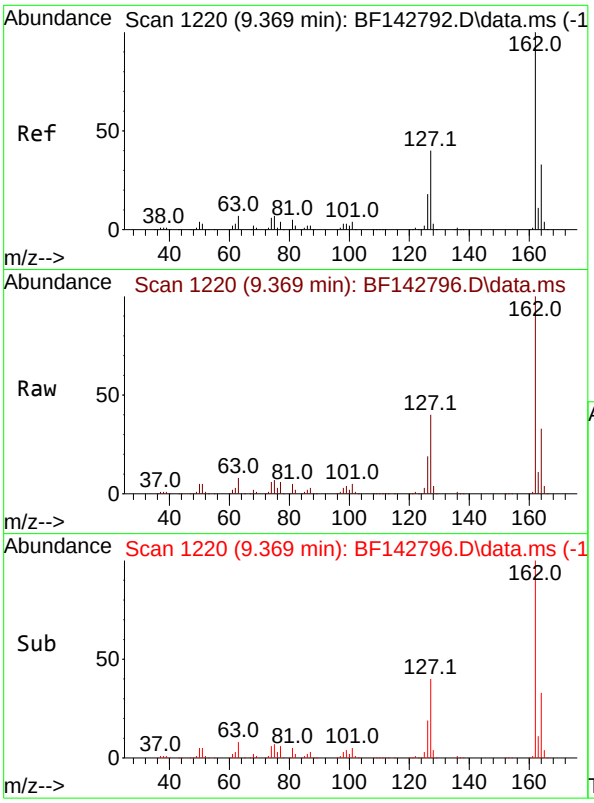




#46
1,1'-Biphenyl
Concen: 42.159 ng
RT: 9.345 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:154 Resp: 476133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.0 | 20.3 | 60.3 |
| 76 | 10.3 | 0.0 | 30.3 |



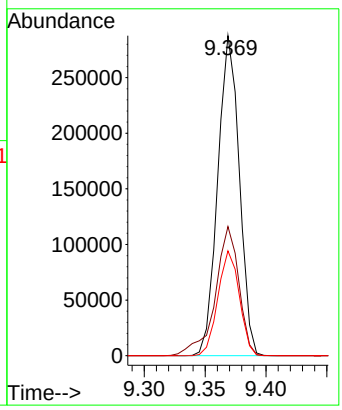


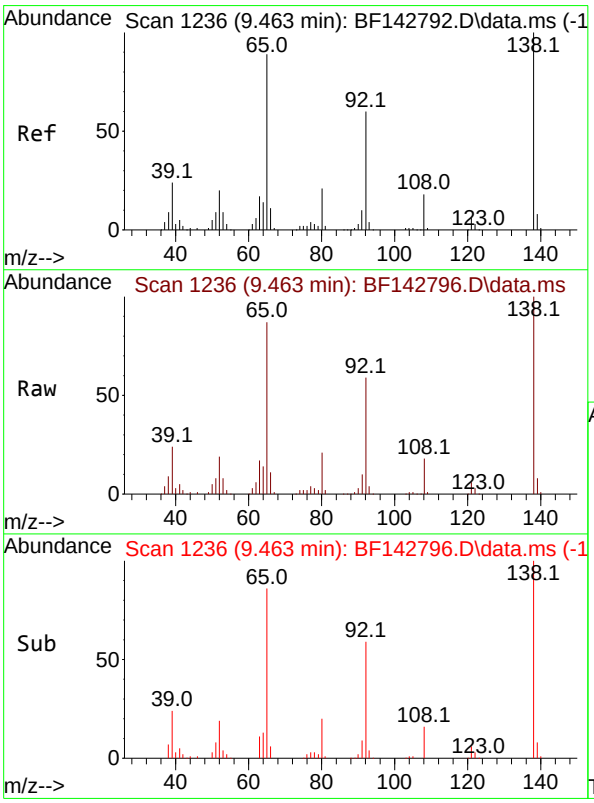

#47
2-Chloronaphthalene
Concen: 41.817 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:162 Resp: 354405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 40.4 | 32.2 | 48.2 |
| 164 | 32.8 | 26.1 | 39.1 |

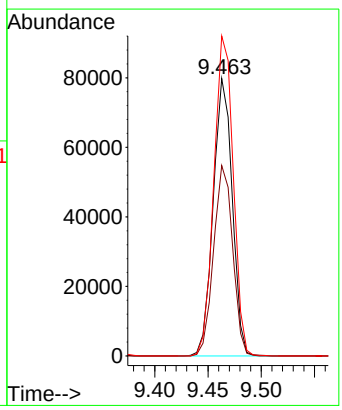


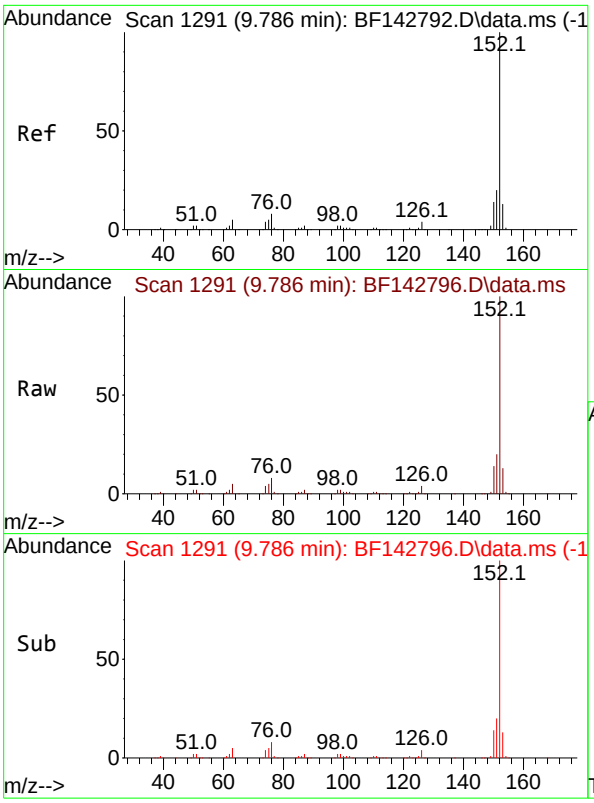




#48
2-Nitroaniline
Concen: 41.724 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 65 Resp: 99137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 68.6 | 53.8 | 80.6 |
| 138 | 115.4 | 89.6 | 134.4 |



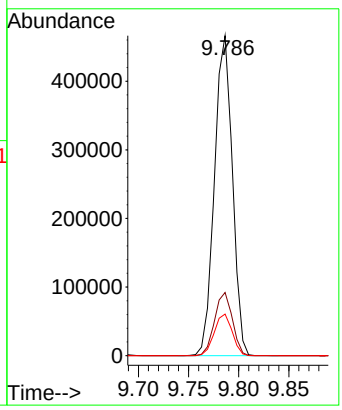


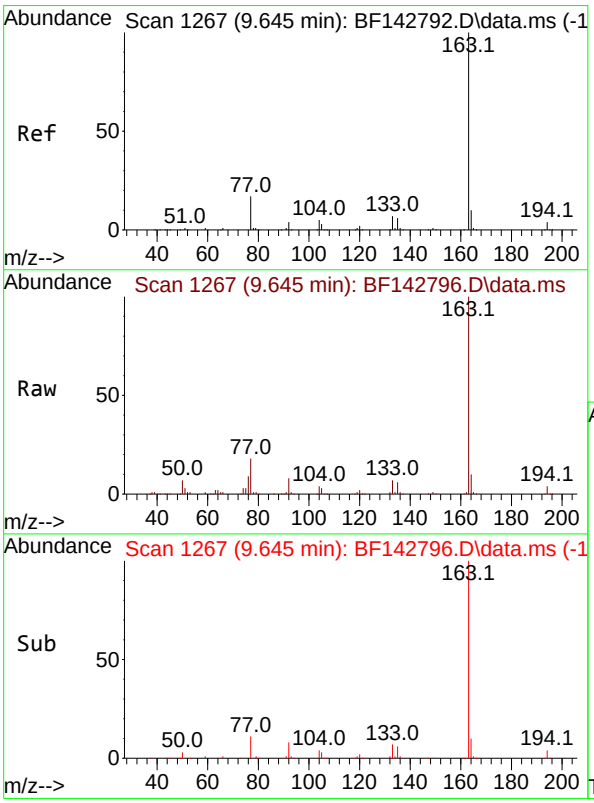

#49
Acenaphthylene
Concen: 41.586 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:152 Resp: 580204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 16.1 | 24.1 |
| 153 | 13.0 | 10.4 | 15.6 |

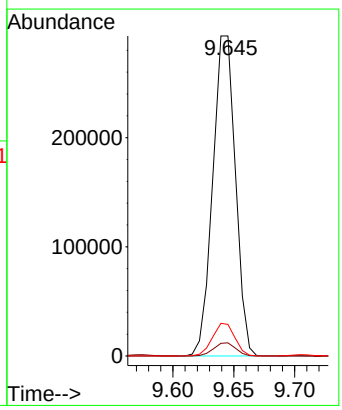


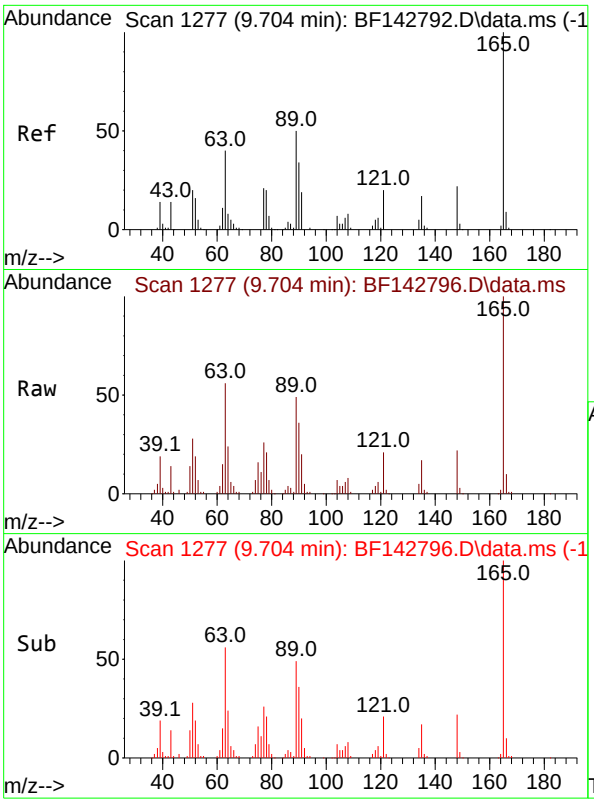




#50
Dimethylphthalate
Concen: 41.232 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:163 Resp: 381573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.3 | 4.9 |
| 164 | 9.9 | 8.0 | 12.0 |



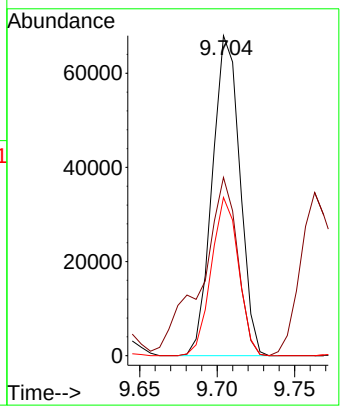


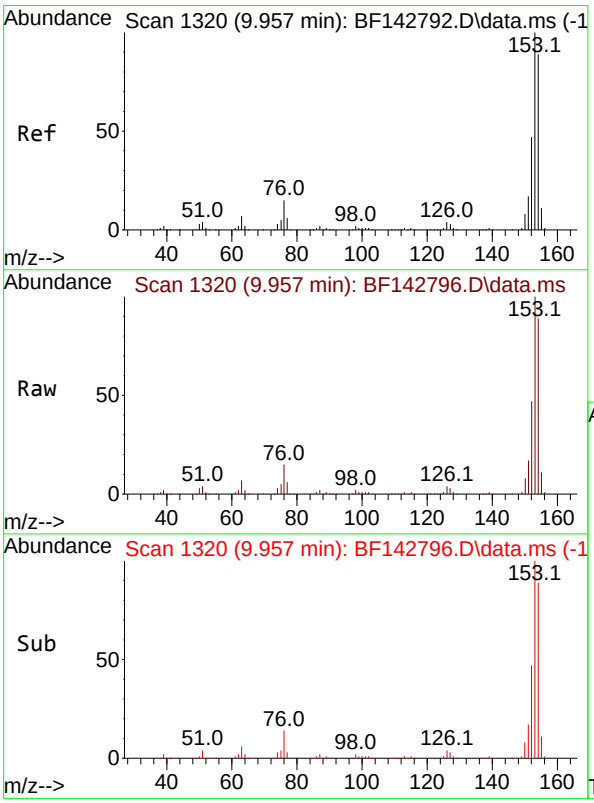

#51
2,6-Dinitrotoluene
Concen: 41.386 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:165 Resp: 84111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 55.7 | 44.2 | 66.4 |
| 89 | 49.5 | 39.8 | 59.8 |

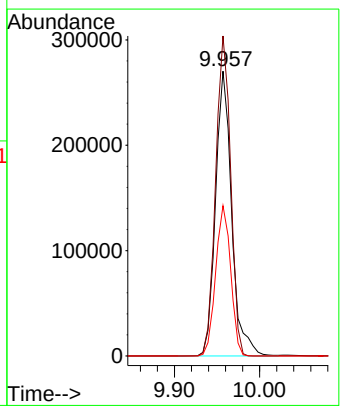


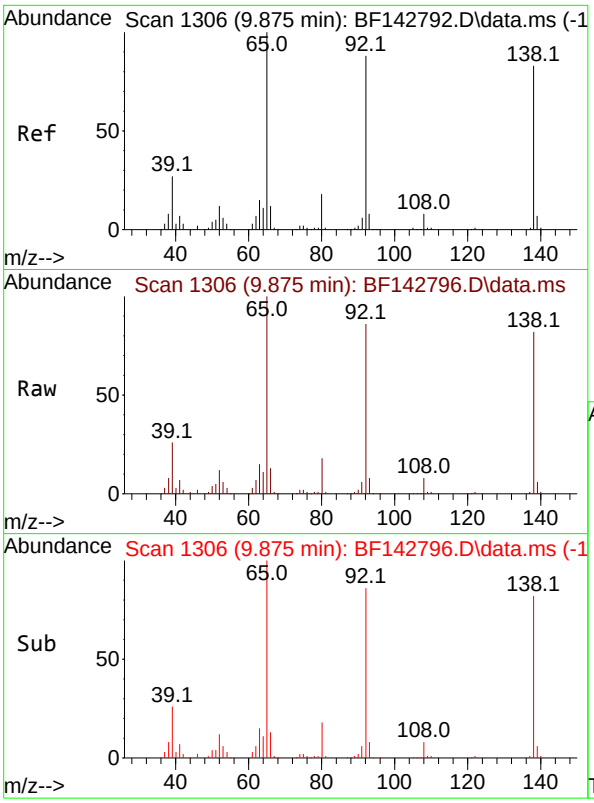




#52
Acenaphthene
Concen: 41.825 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:154 Resp: 356031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.4 | 90.0 | 135.0 |
| 152 | 52.8 | 41.9 | 62.9 |



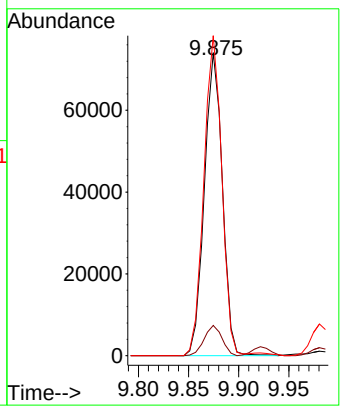


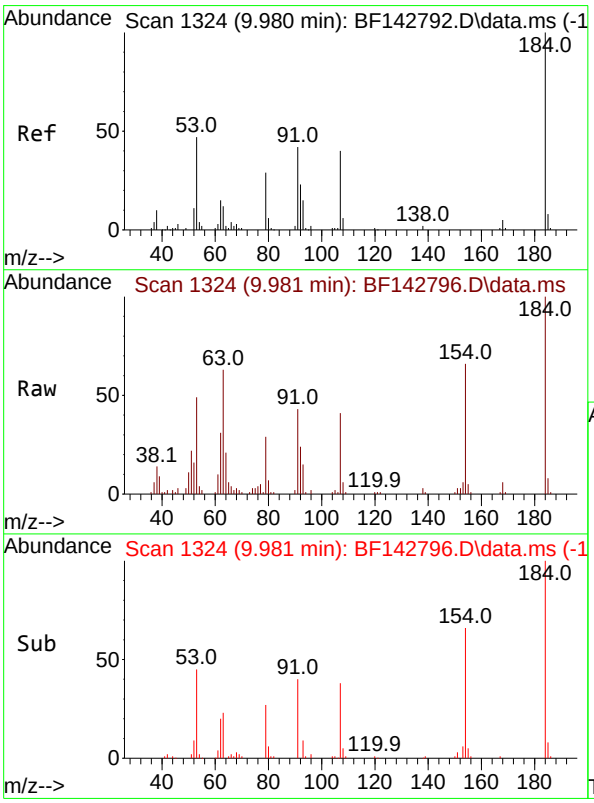

#53
3-Nitroaniline
Concen: 41.512 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:138 Resp: 92889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.0 | 8.1 | 12.1 |
| 92 | 105.6 | 85.1 | 127.7 |

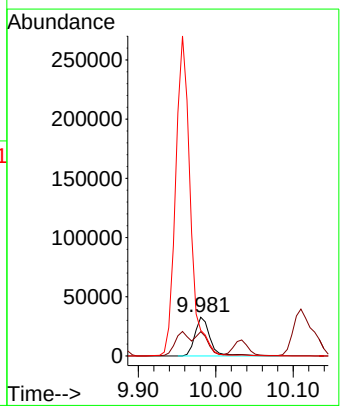


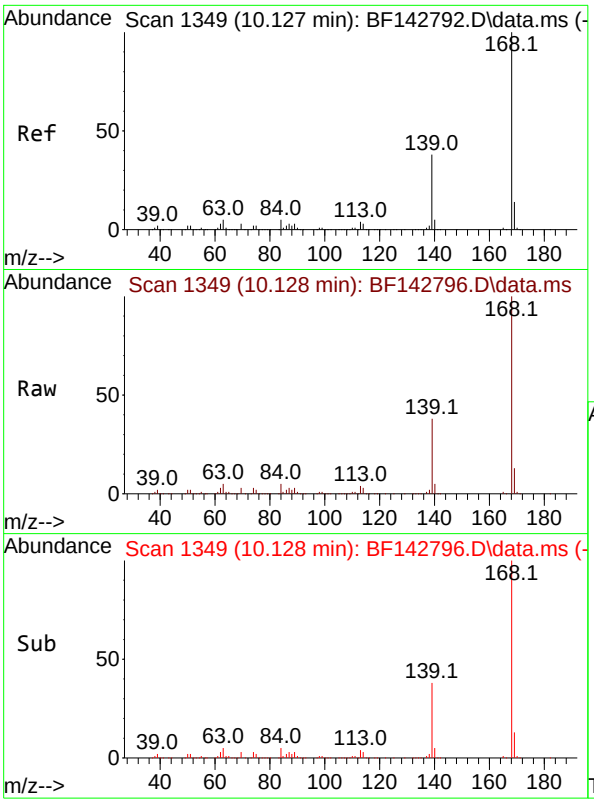




#54
2,4-Dinitrophenol
Concen: 43.742 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:184 Resp: 44513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 62.8 | 50.6 | 75.8 |
| 154 | 66.3 | 51.8 | 77.8 |



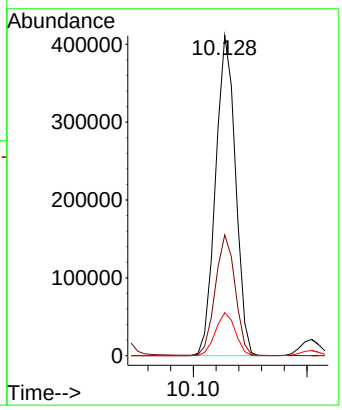


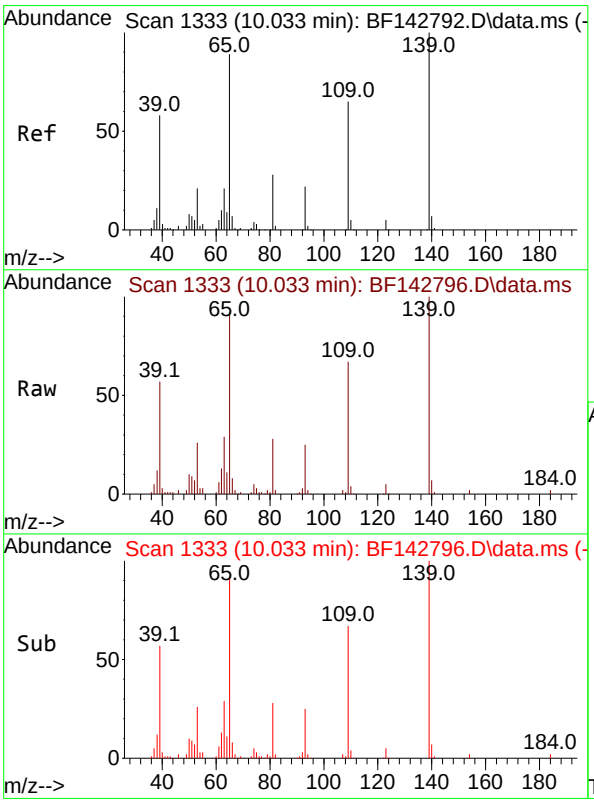

#55
Dibenzofuran
Concen: 41.150 ng
RT: 10.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:168 Resp: 502290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.7 | 30.2 | 45.4 |
| 169 | 13.4 | 10.8 | 16.2 |

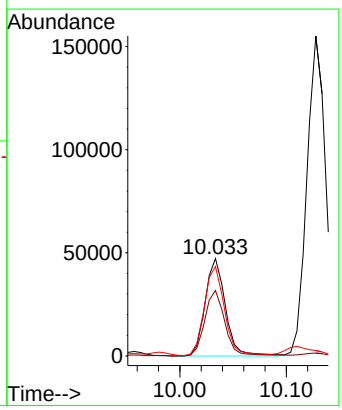


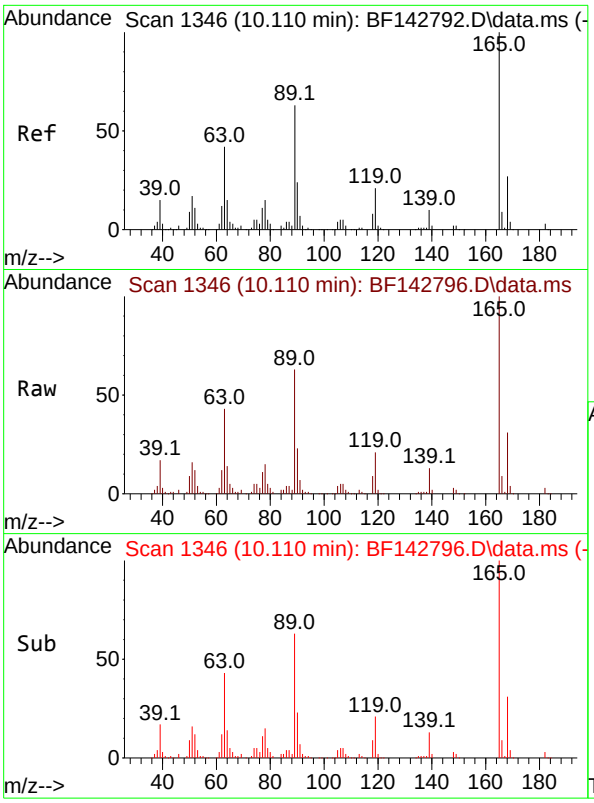




#56
4-Nitrophenol
Concen: 40.556 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:139 Resp: 62127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 67.2 | 44.7 | 84.7 |
| 65 | 91.8 | 69.8 | 109.8 |



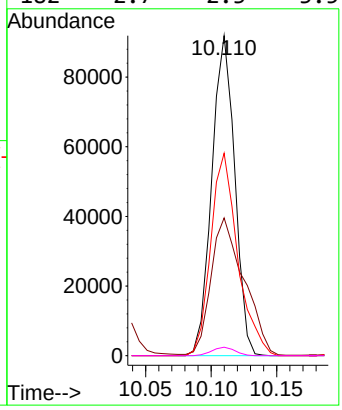


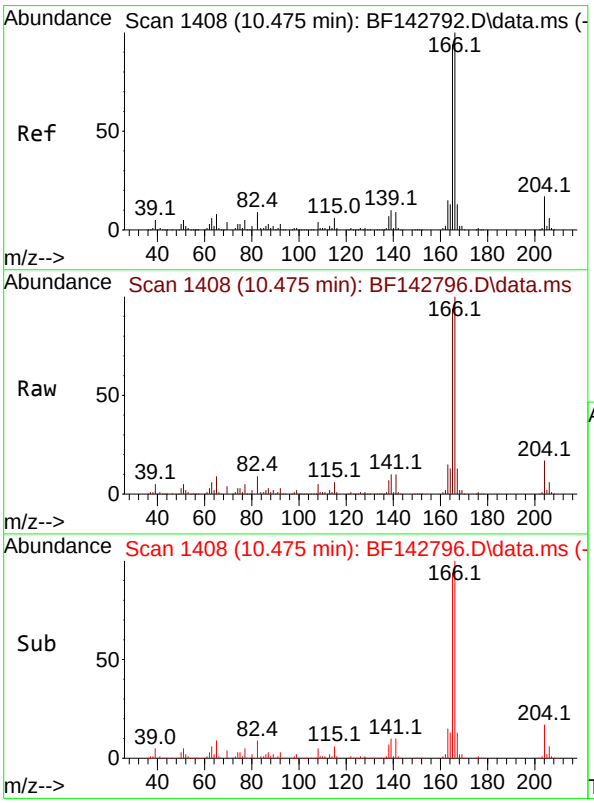

#57
2,4-Dinitrotoluene
Concen: 41.358 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:165 Resp: 111649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 43.0 | 33.9 | 50.9 |
| 89 | 63.3 | 50.6 | 75.8 |
| 182 | 2.7 | 2.3 | 3.5 |

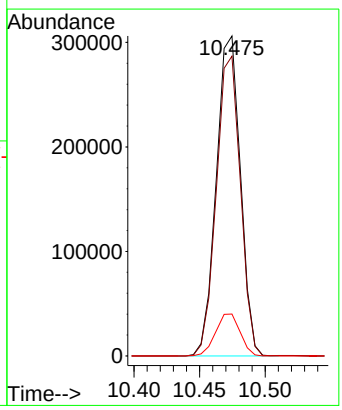


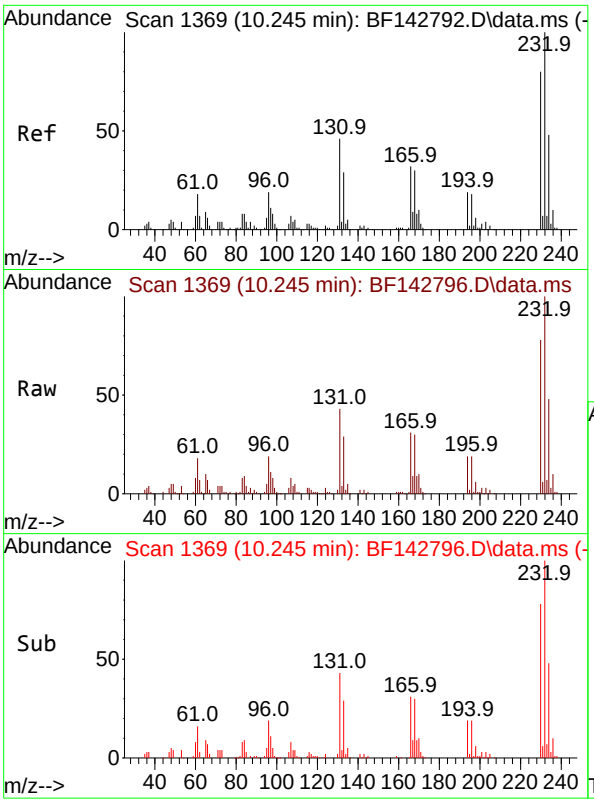




#58
Fluorene
Concen: 41.052 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:166 Resp: 391356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.7 | 75.2 | 112.8 |
| 167 | 13.1 | 10.6 | 15.8 |



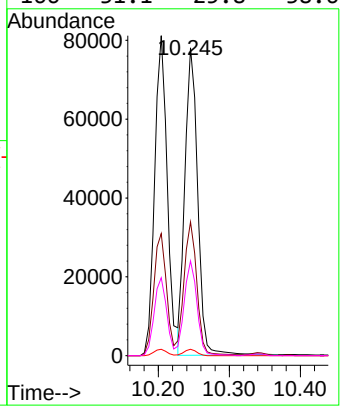


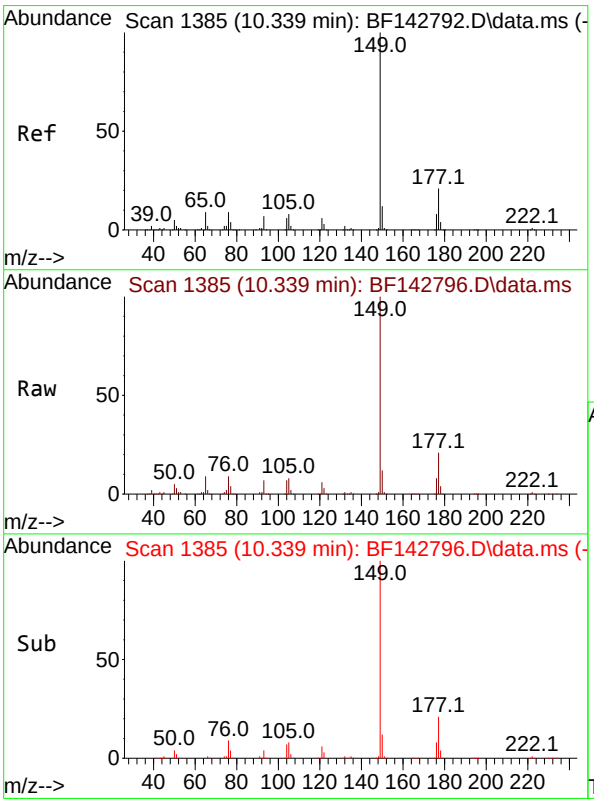

#59
2,3,4,6-Tetrachlorophenol
Concen: 41.857 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:232 Resp: 97630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.4 | 37.6 | 56.4 |
| 130 | 2.1 | 1.7 | 2.5 |
| 166 | 31.1 | 25.8 | 38.6 |

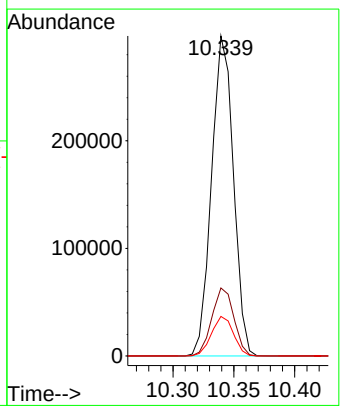


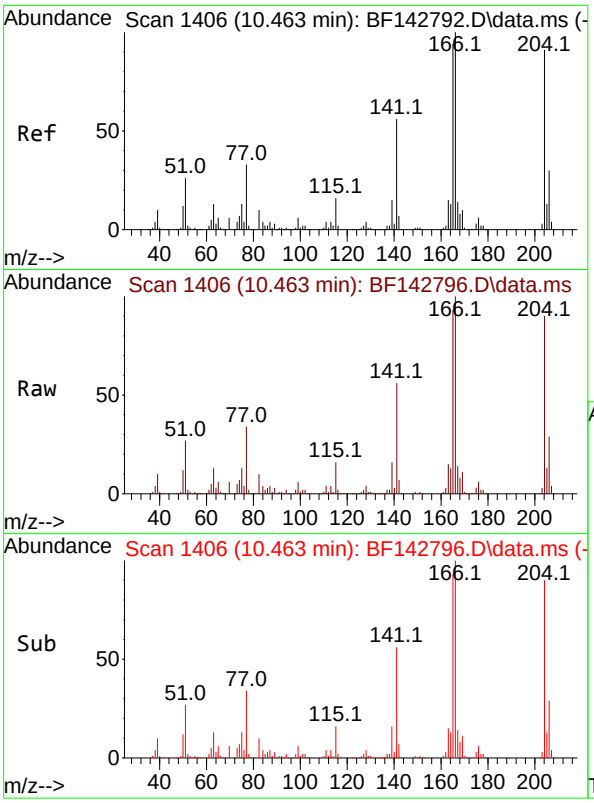




#60
Diethylphthalate
Concen: 40.937 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:149 Resp: 371453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.2 | 17.0 | 25.6 |
| 150 | 12.4 | 9.8 | 14.6 |



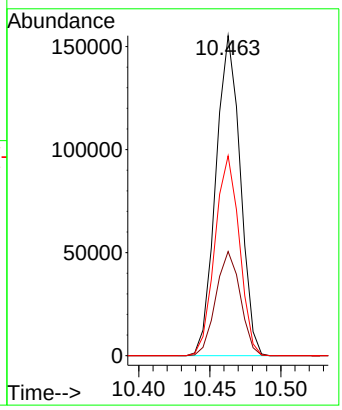


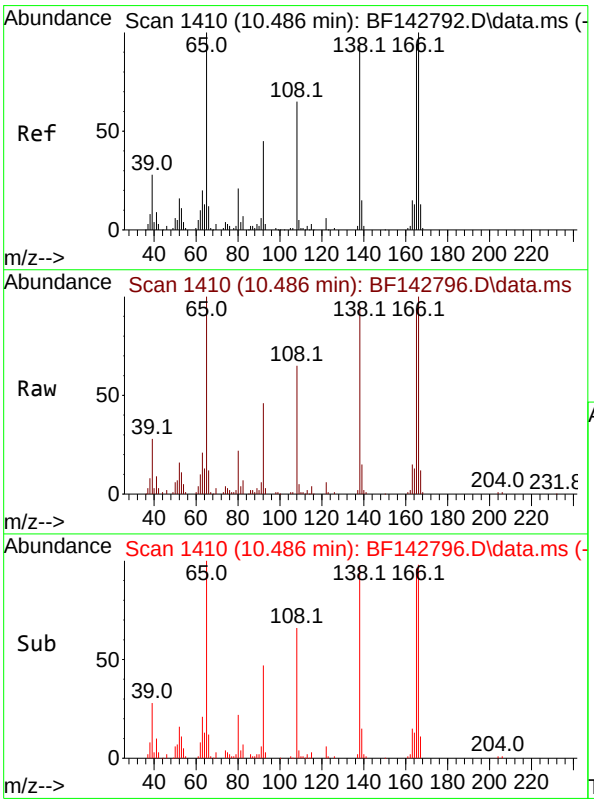

#61
4-Chlorophenyl-phenylether
Concen: 40.862 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:204 Resp: 185884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.6 | 26.3 | 39.5 |
| 141 | 62.5 | 49.1 | 73.7 |

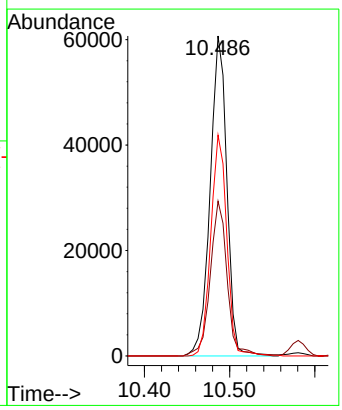


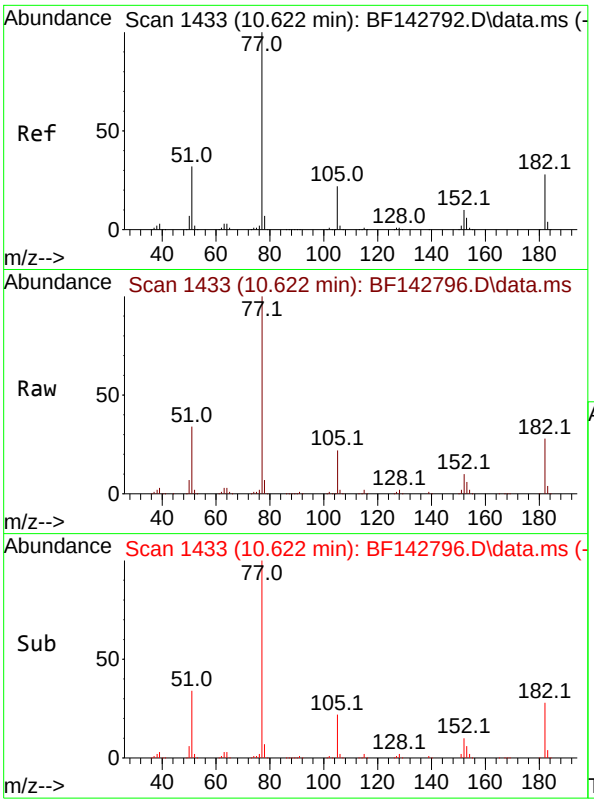




#62
4-Nitroaniline
Concen: 40.628 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:138 Resp: 83143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 48.4 | 28.4 | 68.4 |
| 108 | 69.0 | 50.2 | 90.2 |



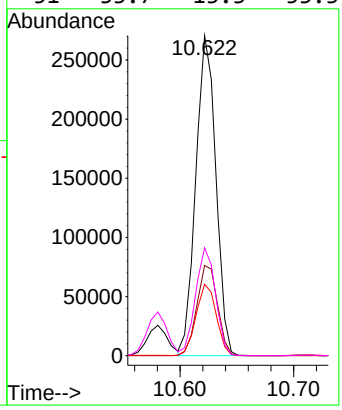


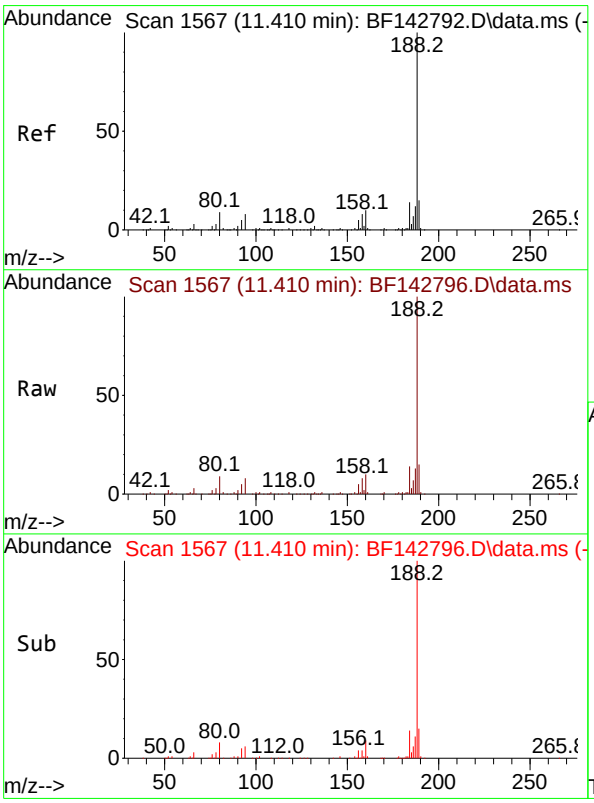

#63
Azobenzene
Concen: 41.025 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion: 77 Resp: 332701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.2 | 7.7 | 47.7 |
| 105 | 22.4 | 1.9 | 41.9 |
| 51 | 33.7 | 13.3 | 53.3 |

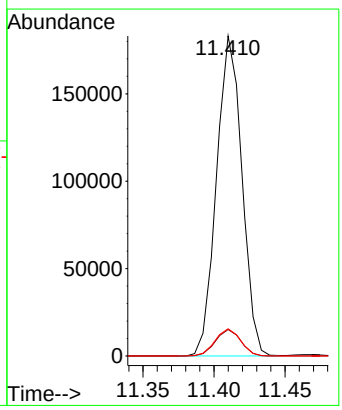


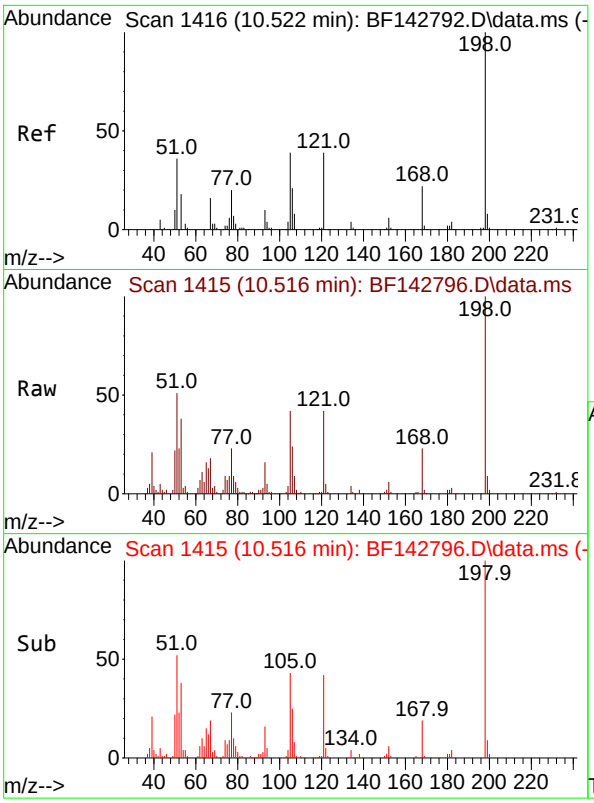




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:188 Resp: 228099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.3 | 6.7 | 10.1 |
| 80 | 8.5 | 6.9 | 10.3 |



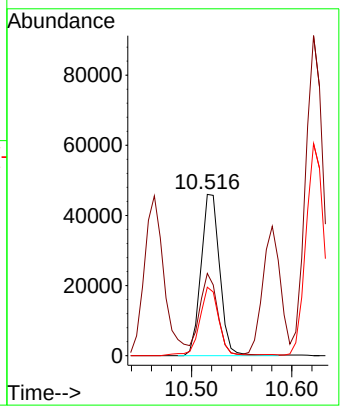


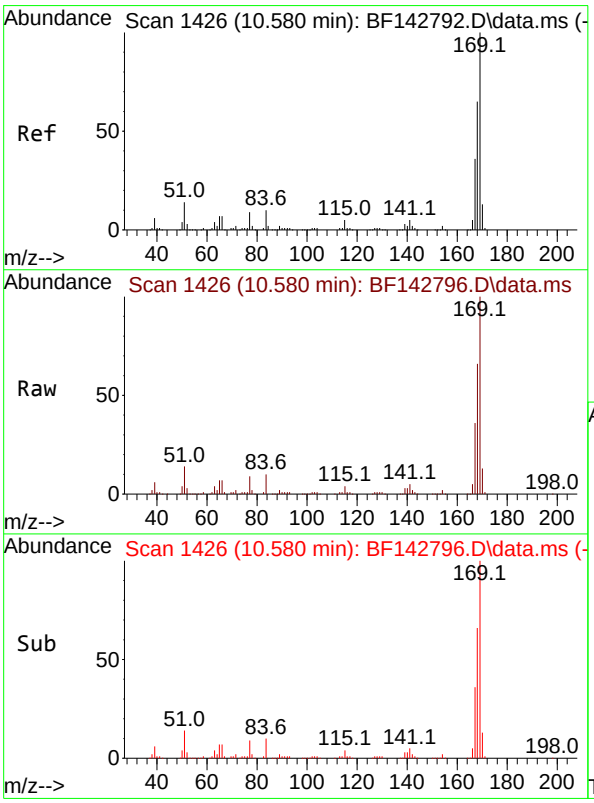

#65
4,6-Dinitro-2-methylphenol
Concen: 43.341 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:198 Resp: 59797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 51.0 | 25.4 | 65.4 |
| 105 | 42.5 | 20.4 | 60.4 |

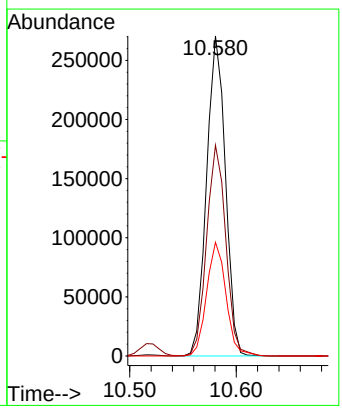


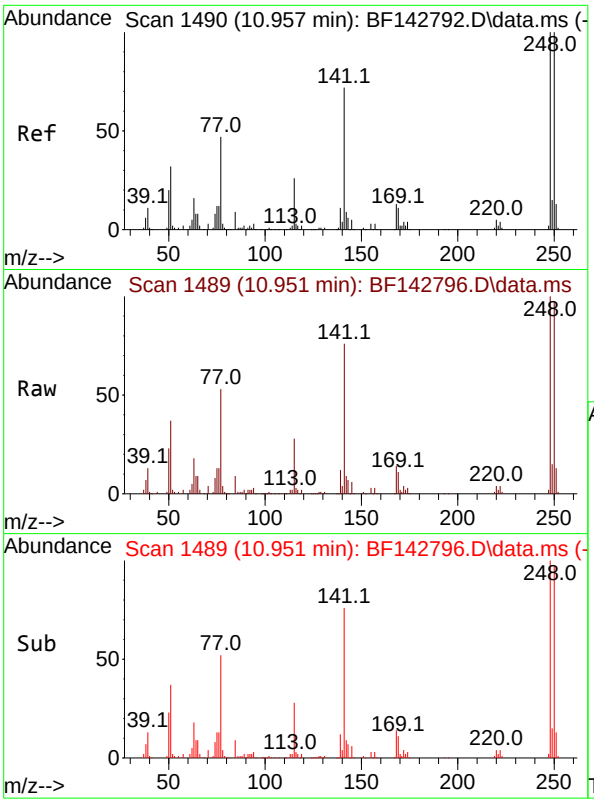




#66
n-Nitrosodiphenylamine
Concen: 41.955 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:169 Resp: 331671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.8 | 51.9 | 77.9 |
| 167 | 35.5 | 28.5 | 42.7 |



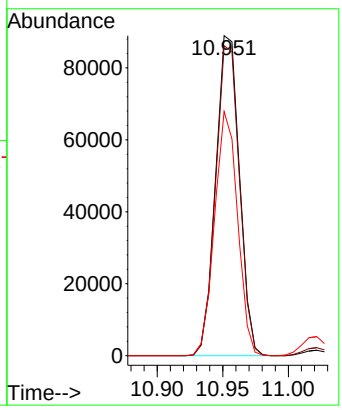


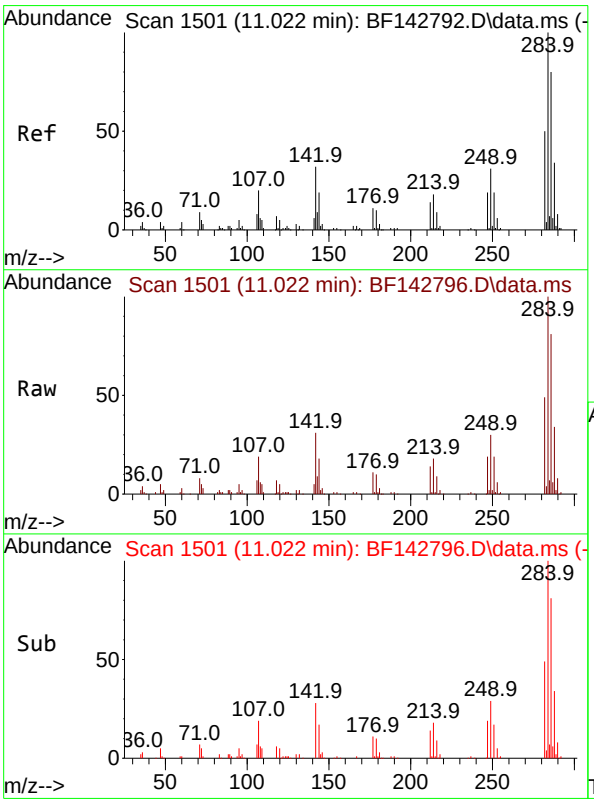

#67
4-Bromophenyl-phenylether
Concen: 43.376 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:248 Resp: 112604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.8 | 79.8 | 119.8 |
| 141 | 76.3 | 57.8 | 86.6 |

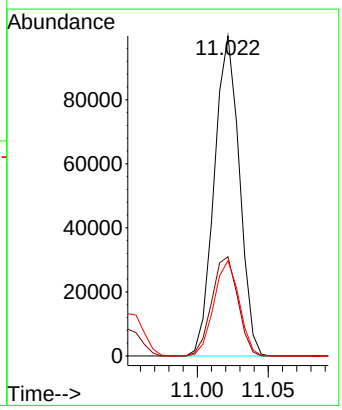


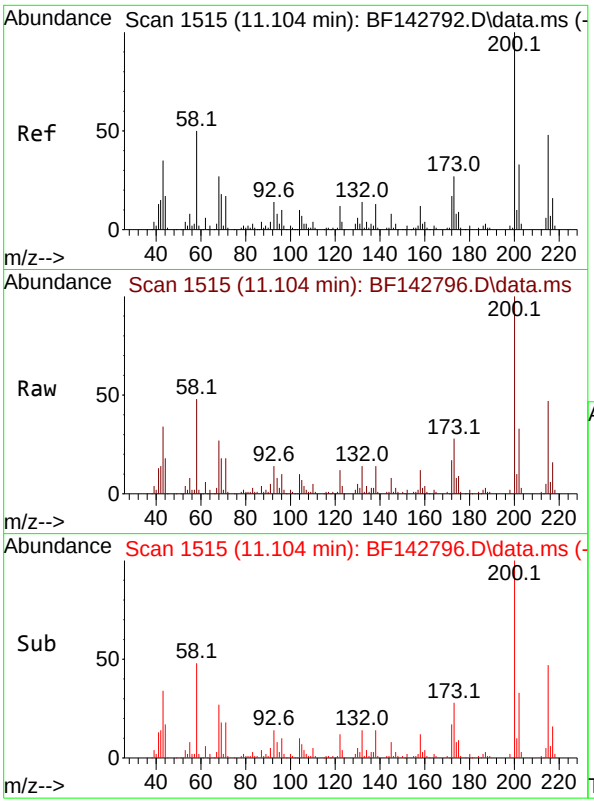




#68
Hexachlorobenzene
Concen: 42.632 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:284 Resp: 122976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.0 | 25.5 | 38.3 |
| 249 | 29.8 | 24.9 | 37.3 |



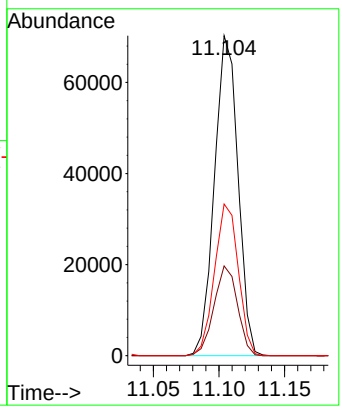


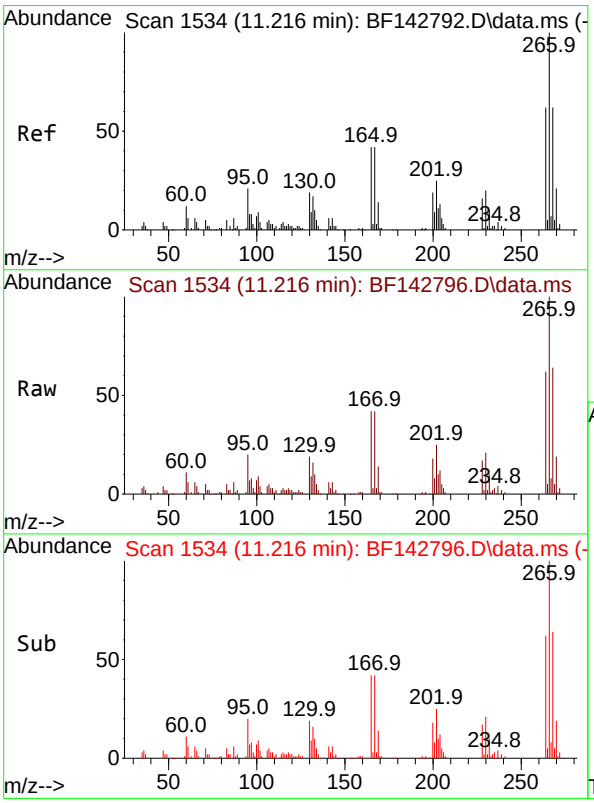

#69
Atrazine
Concen: 42.840 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:200 Resp: 87455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 28.0 | 7.4 | 47.4 |
| 215 | 47.4 | 28.4 | 68.4 |

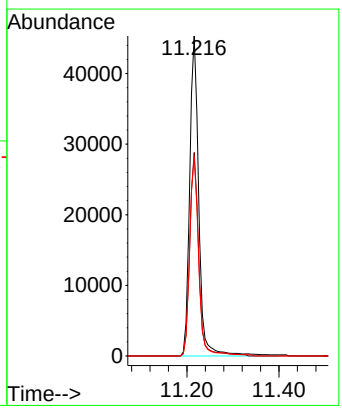


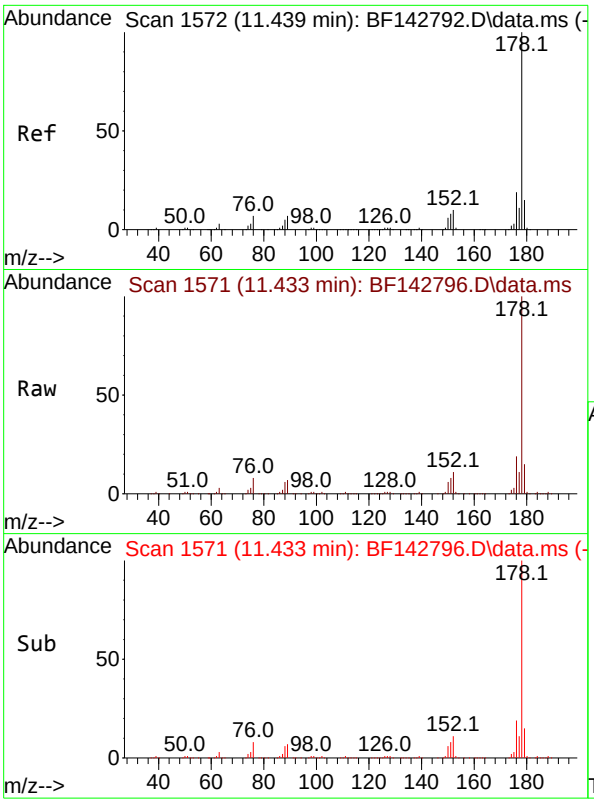




#70
Pentachlorophenol
Concen: 43.337 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:266 Resp: 62292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.6 | 49.8 | 74.8 |
| 264 | 62.3 | 49.9 | 74.9 |



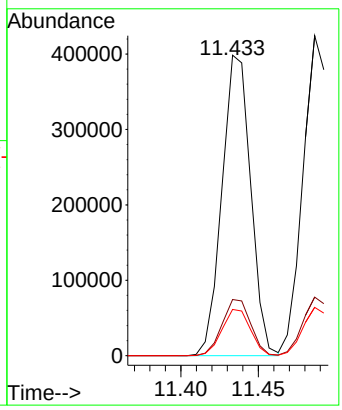


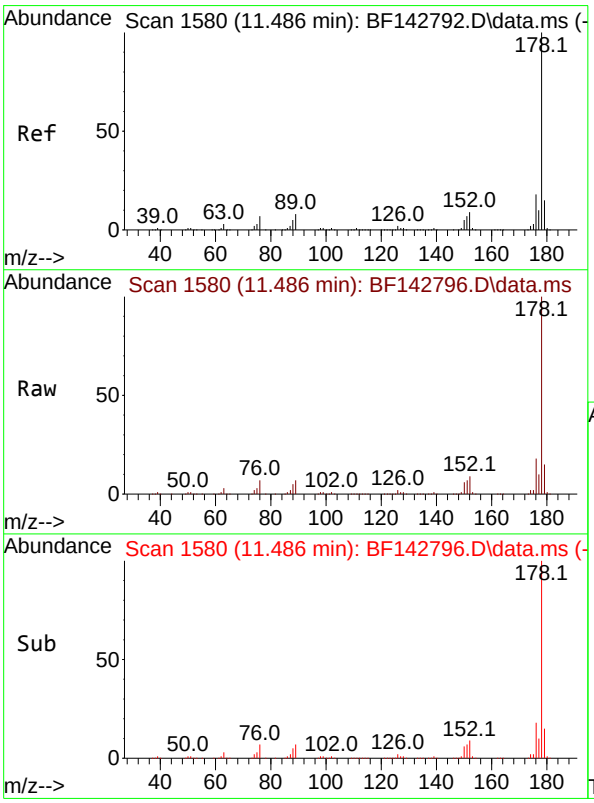

#71
Phenanthrene
Concen: 41.603 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:178 Resp: 514049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.1 | 22.7 |
| 179 | 15.4 | 12.0 | 18.0 |

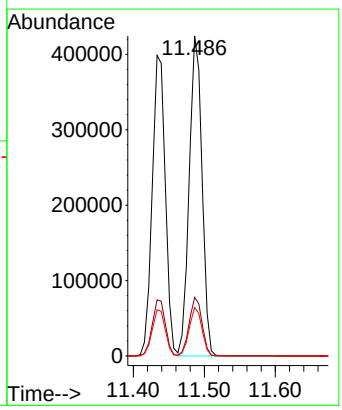


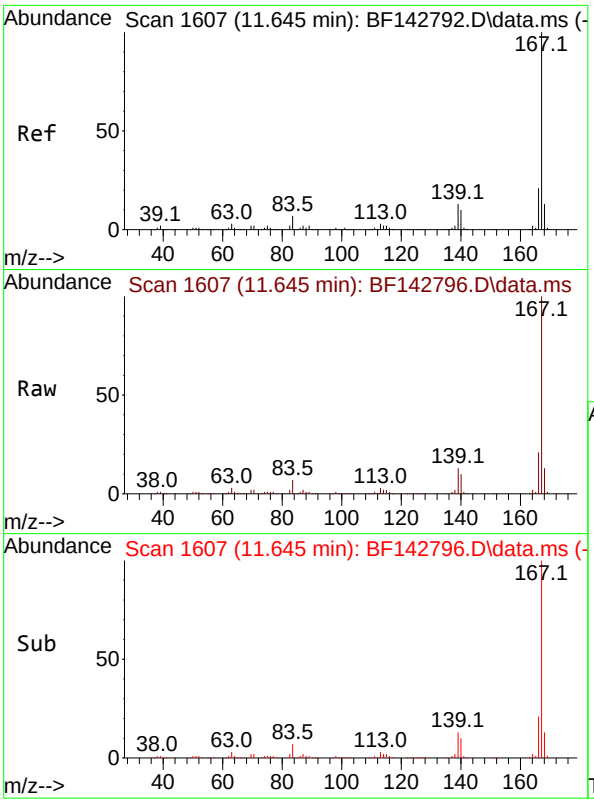




#72
Anthracene
Concen: 42.013 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:178 Resp: 532397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.3 | 14.6 | 21.8 |
| 179 | 15.1 | 12.4 | 18.6 |



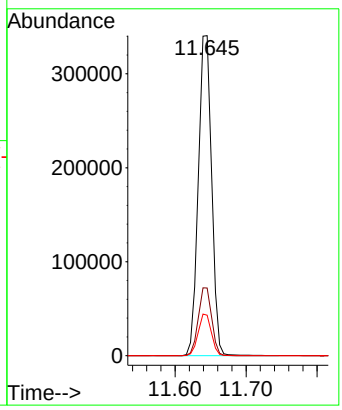


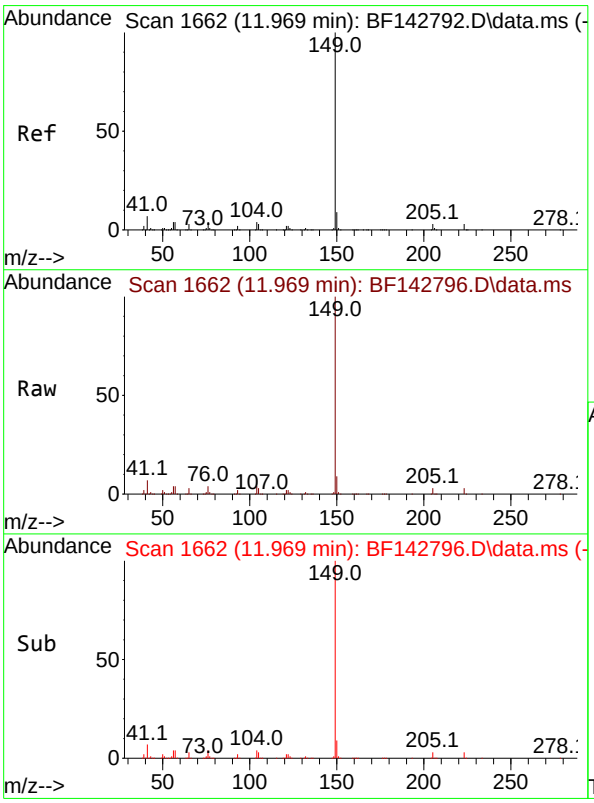

#73
Carbazole
Concen: 40.858 ng
RT: 11.645 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:167 Resp: 446814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.2 | 17.0 | 25.4 |
| 139 | 12.7 | 10.2 | 15.2 |

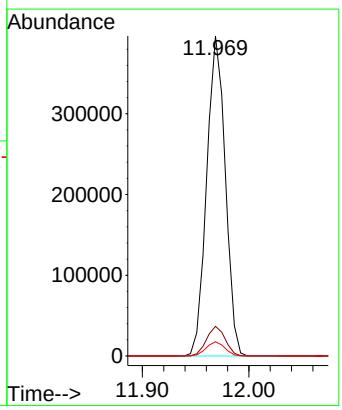


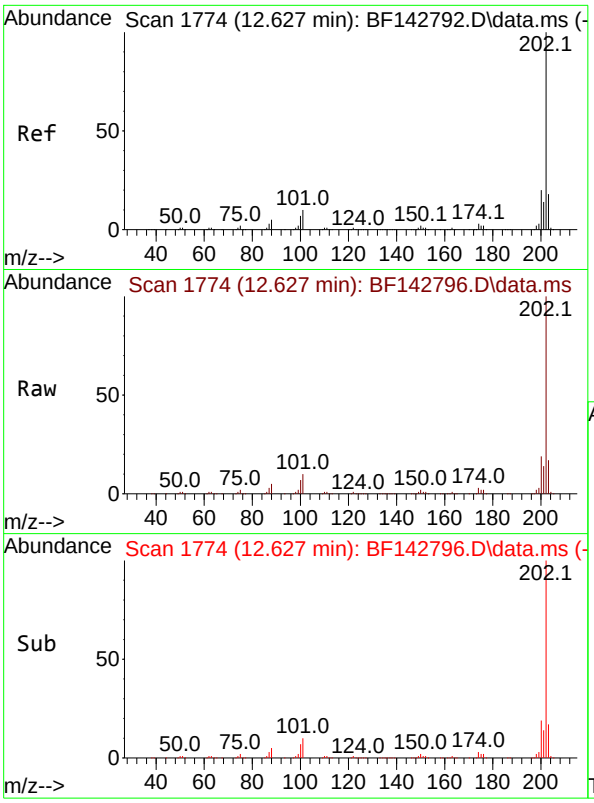




#74
Di-n-butylphthalate
Concen: 42.228 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:149 Resp: 481078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.4 | 11.0 |
| 104 | 4.5 | 3.5 | 5.3 |



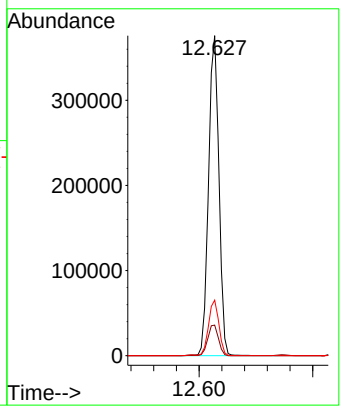


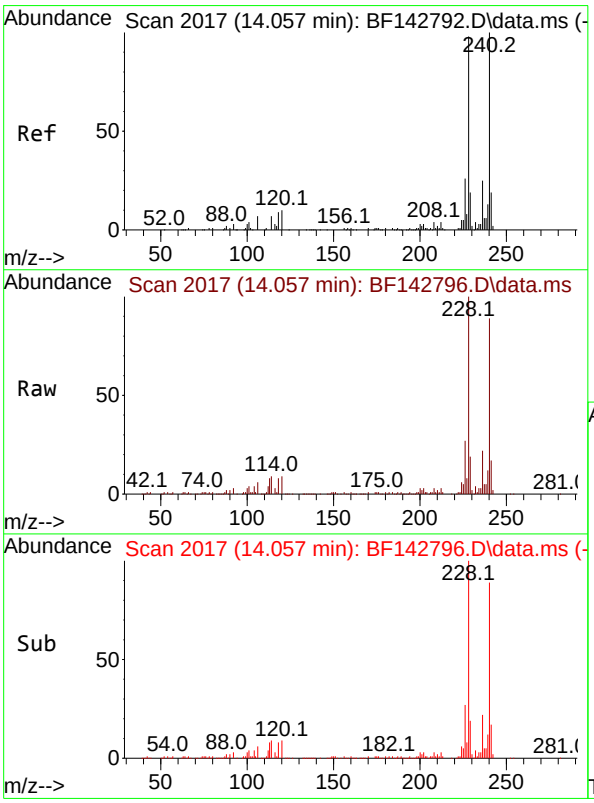

#75
Fluoranthene
Concen: 40.372 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:202 Resp: 473431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.6 | 0.0 | 29.7 |
| 203 | 17.3 | 0.0 | 37.5 |

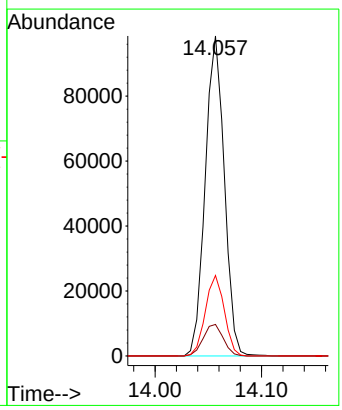


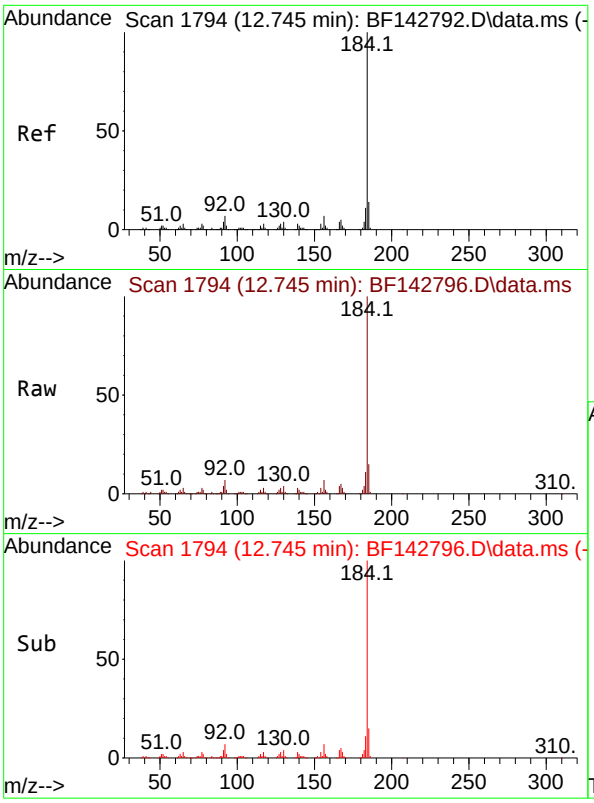




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:240 Resp: 122573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.8 | 8.2 | 12.2 |
| 236 | 25.2 | 19.8 | 29.8 |



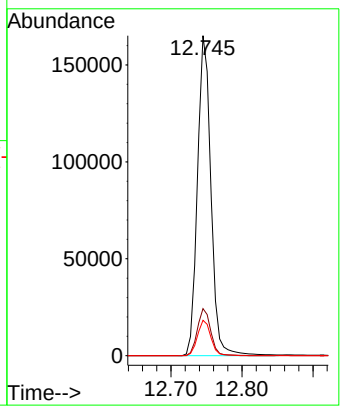


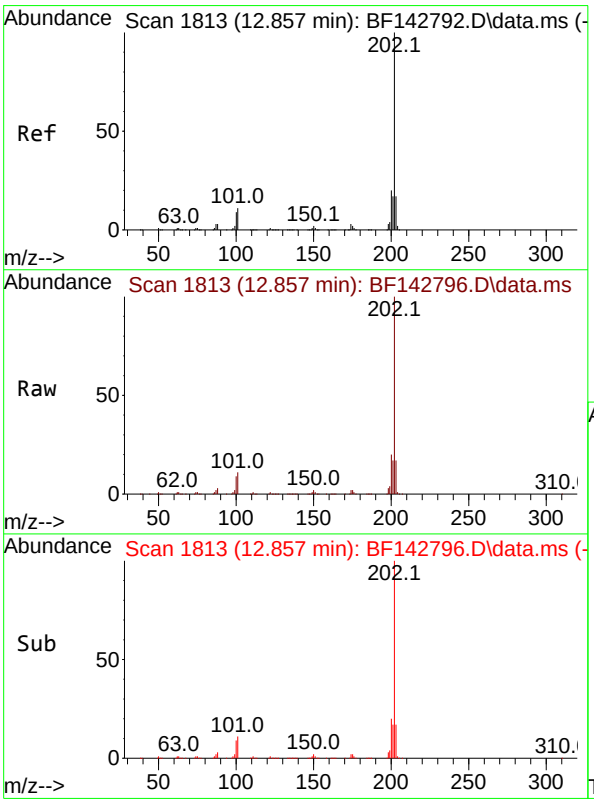

#77
Benzidine
Concen: 47.530 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:184 Resp: 218884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 11.5 | 17.3 |
| 183 | 11.0 | 9.0 | 13.4 |

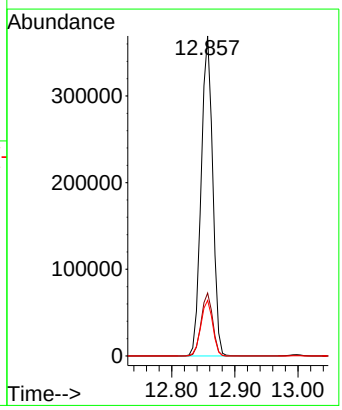


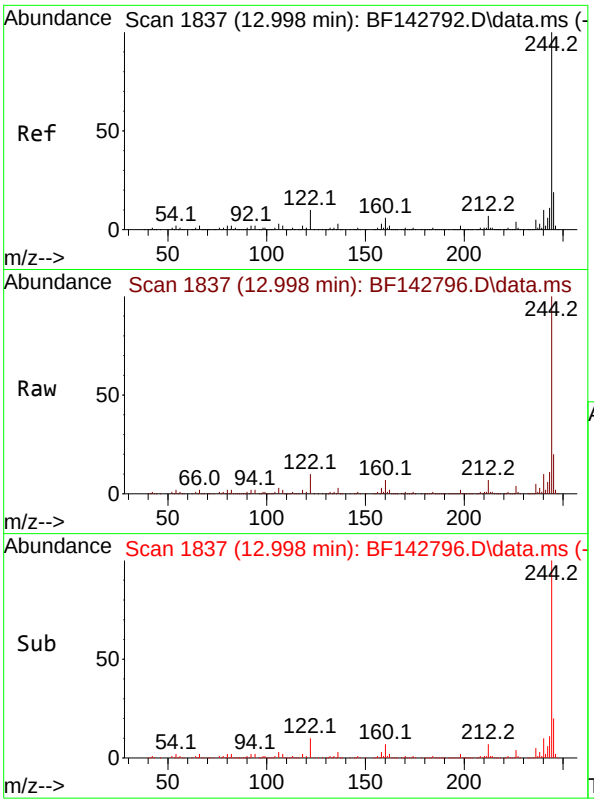




#78
Pyrene
Concen: 40.794 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:202 Resp: 468692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.7 | 15.7 | 23.5 |
| 203 | 17.4 | 13.8 | 20.6 |



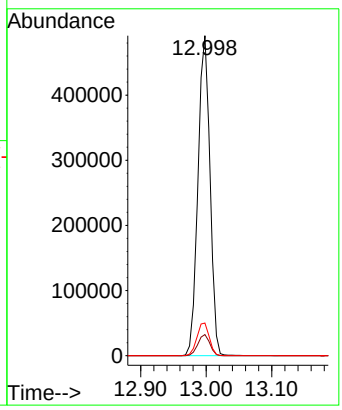


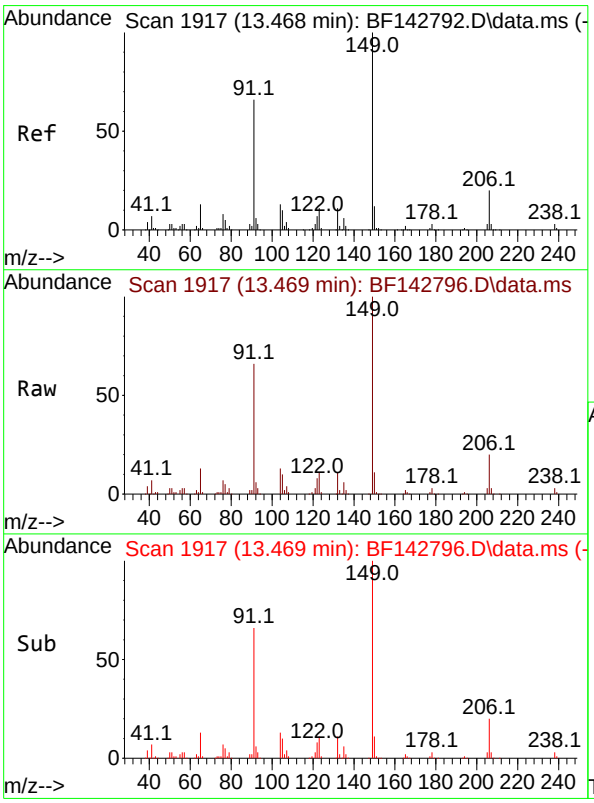

#79
Terphenyl-d14
Concen: 70.839 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:244 Resp: 628420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.4 | 8.0 |
| 122 | 10.2 | 8.2 | 12.2 |

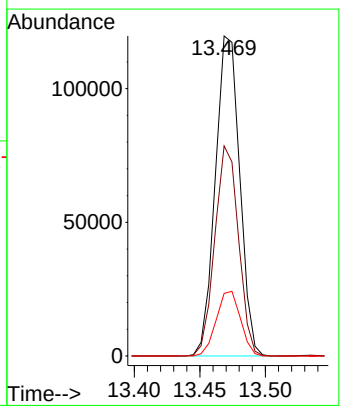


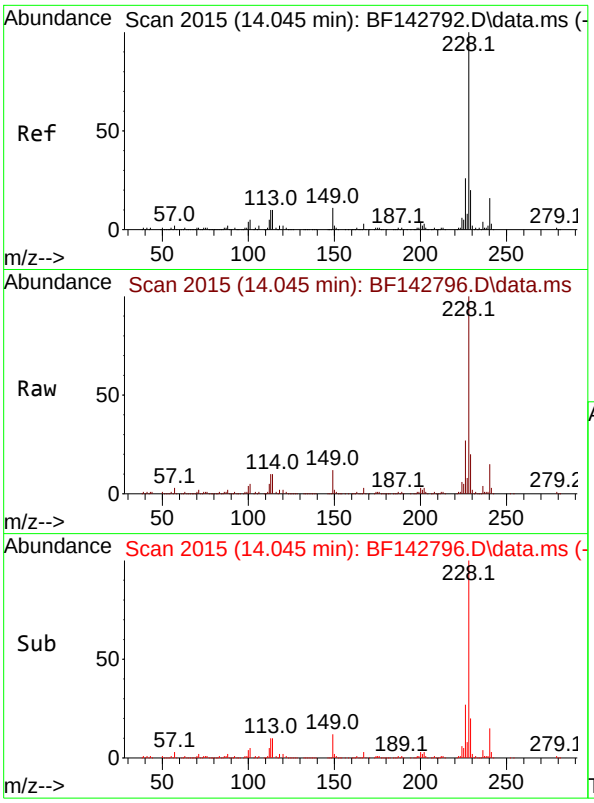




#80
Butylbenzylphthalate
Concen: 46.431 ng
RT: 13.469 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:149 Resp: 154743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 65.7 | 52.9 | 79.3 |
| 206 | 19.6 | 16.3 | 24.5 |



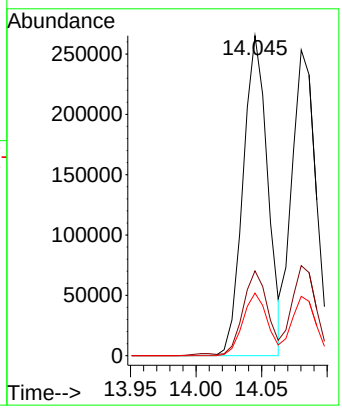


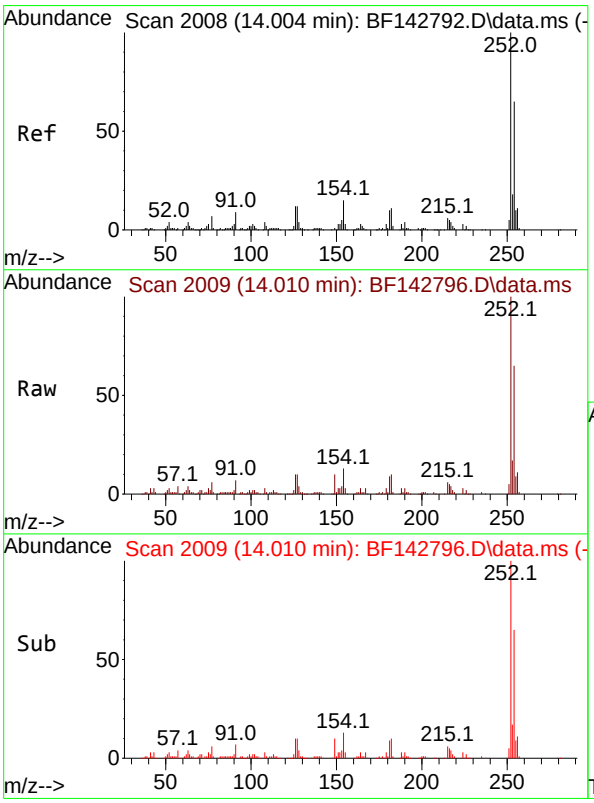

#81
Benzo(a)anthracene
Concen: 41.868 ng
RT: 14.045 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:228 Resp: 346202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.5 | 21.2 | 31.8 |
| 229 | 19.6 | 15.6 | 23.4 |

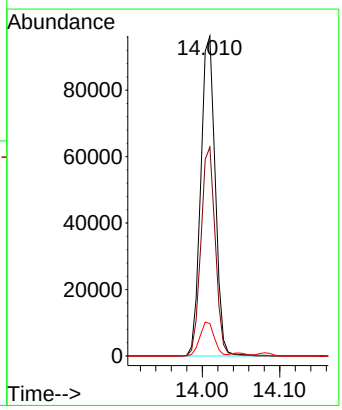


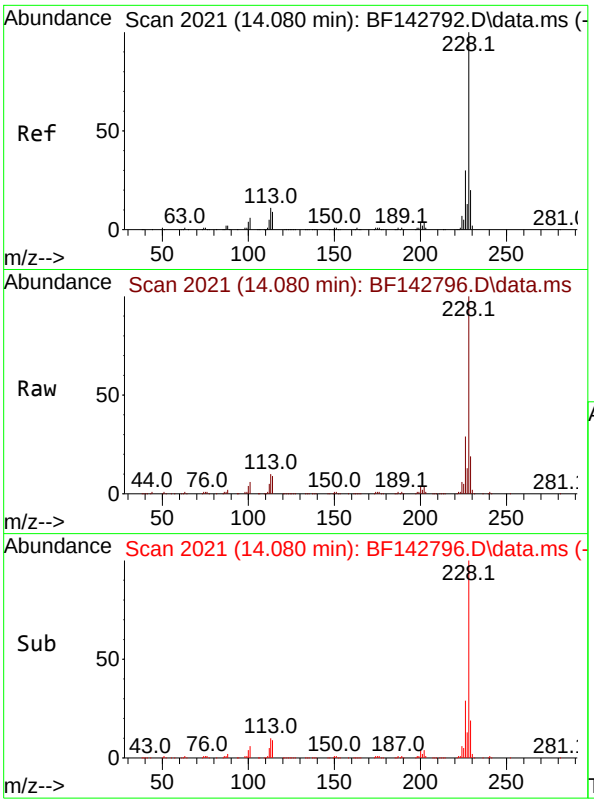




#82
3,3'-Dichlorobenzidine
Concen: 46.521 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:252 Resp: 124771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.2 | 51.7 | 77.5 |
| 126 | 10.1 | 9.4 | 14.2 |



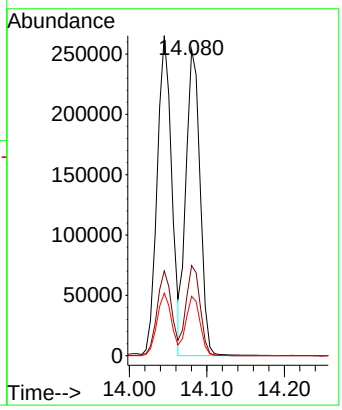


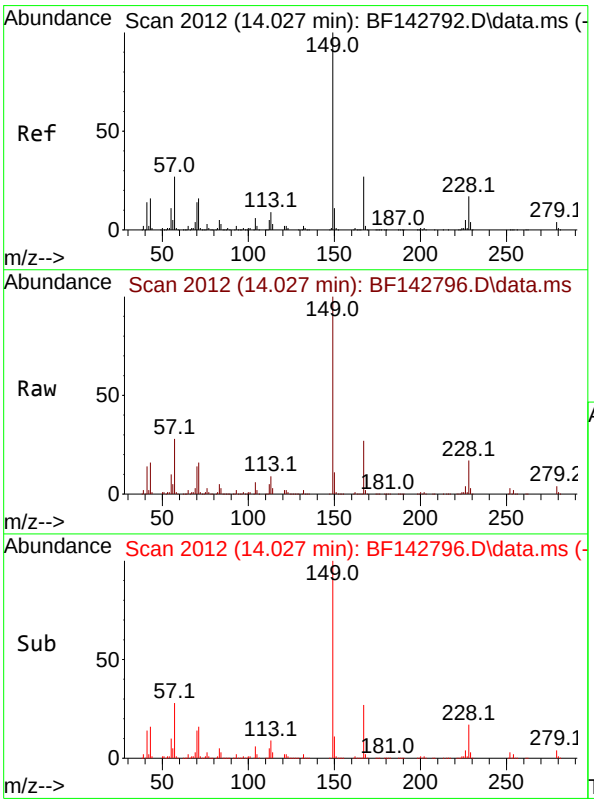

#83
Chrysene
Concen: 43.637 ng
RT: 14.080 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:228 Resp: 321976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.5 | 23.7 | 35.5 |
| 229 | 19.4 | 15.7 | 23.5 |

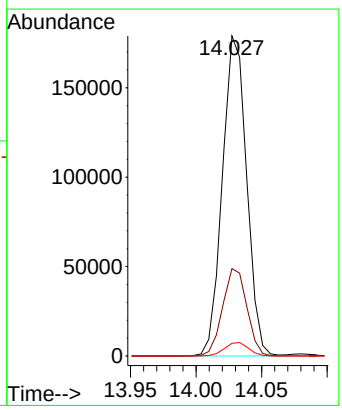


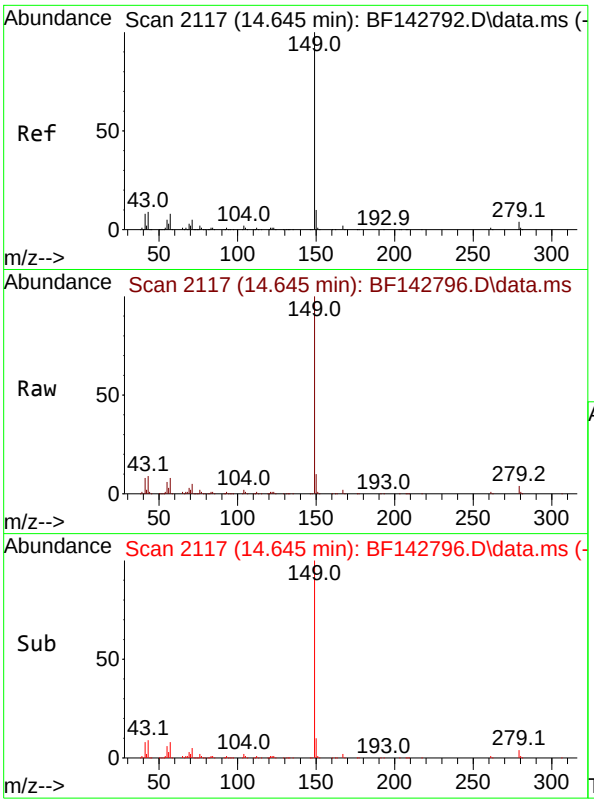




#84
Bis(2-ethylhexyl)phthalate
Concen: 47.976 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:149 Resp: 230046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.3 | 21.4 | 32.0 |
| 279 | 4.0 | 3.0 | 4.6 |



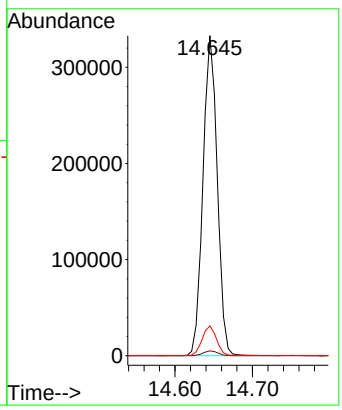


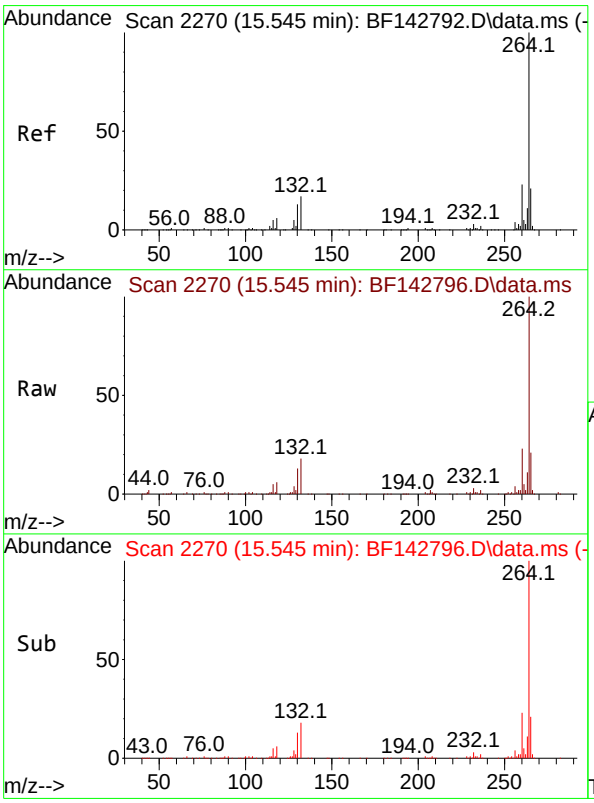

#85
Di-n-octyl phthalate
Concen: 47.026 ng
RT: 14.645 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:149 Resp: 425193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 9.2 | 7.6 | 11.4 |

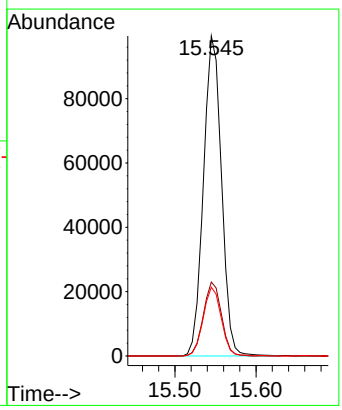


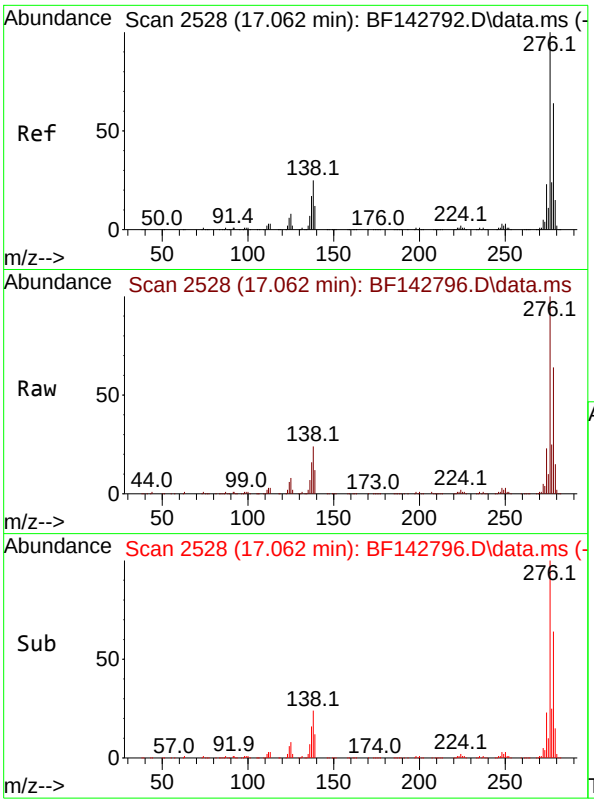




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:264 Resp: 153363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 18.1 | 27.1 |
| 265 | 21.5 | 16.6 | 25.0 |



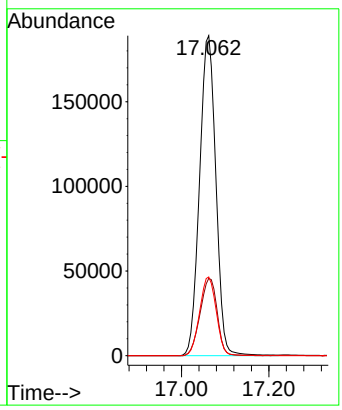


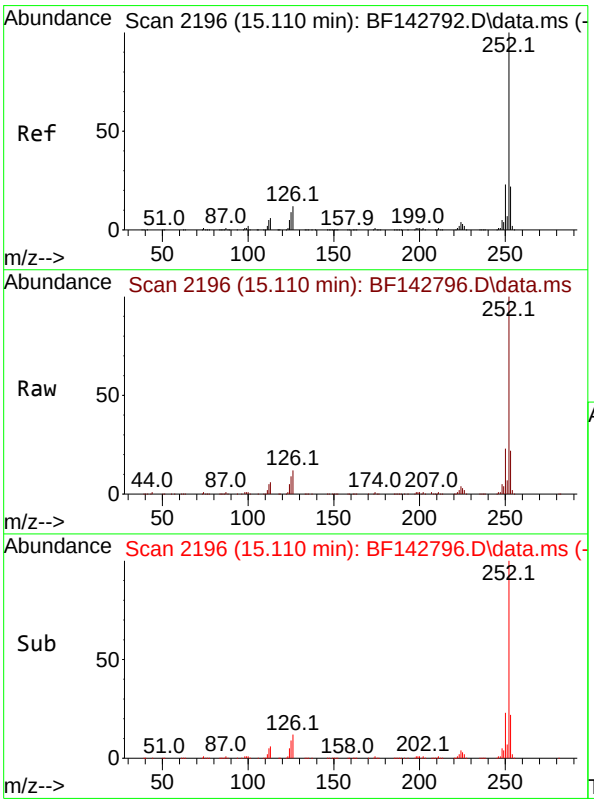

#87
Indeno(1,2,3-cd)pyrene
Concen: 42.060 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:276 Resp: 491326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.3 | 20.2 | 30.4 |
| 277 | 25.1 | 19.8 | 29.6 |

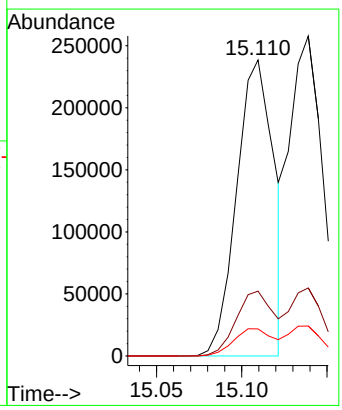


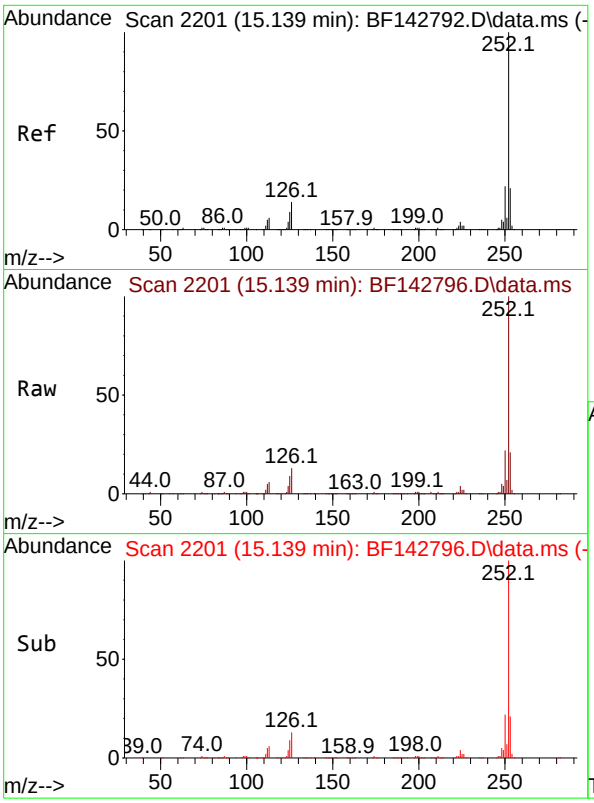




#88
Benzo(b)fluoranthene
Concen: 40.801 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:252 Resp: 362077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 9.1 | 7.4 | 11.0 |



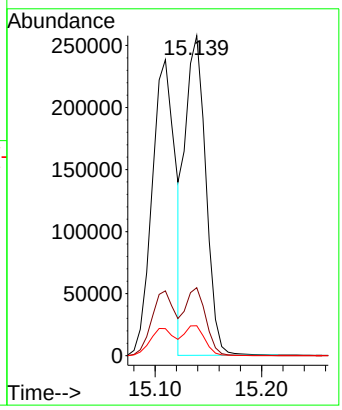


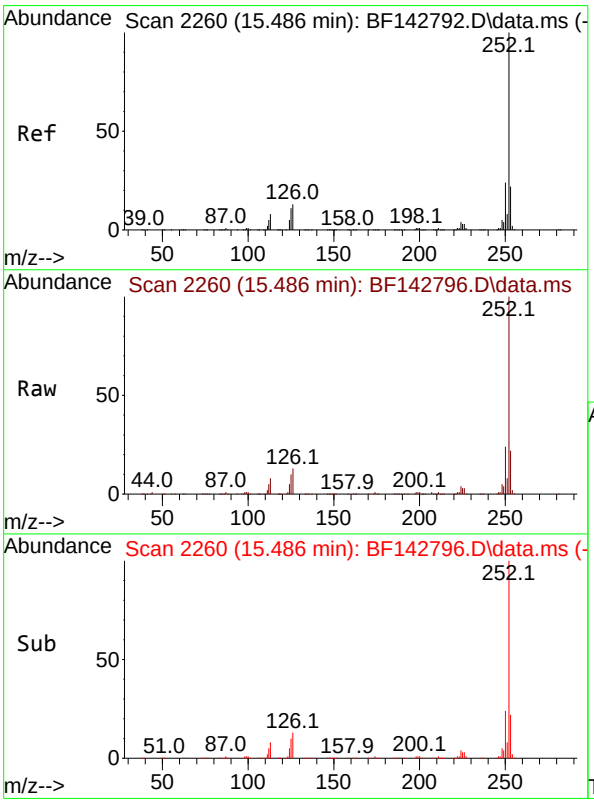

#89
Benzo(k)fluoranthene
Concen: 41.800 ng
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:252 Resp: 347044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.3 | 17.2 | 25.8 |
| 125 | 9.3 | 7.4 | 11.2 |

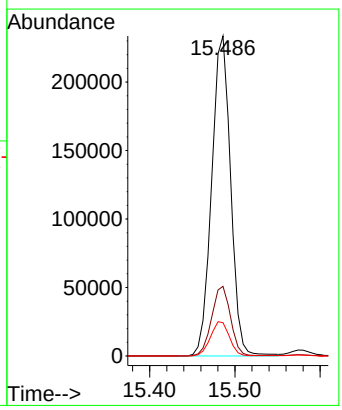


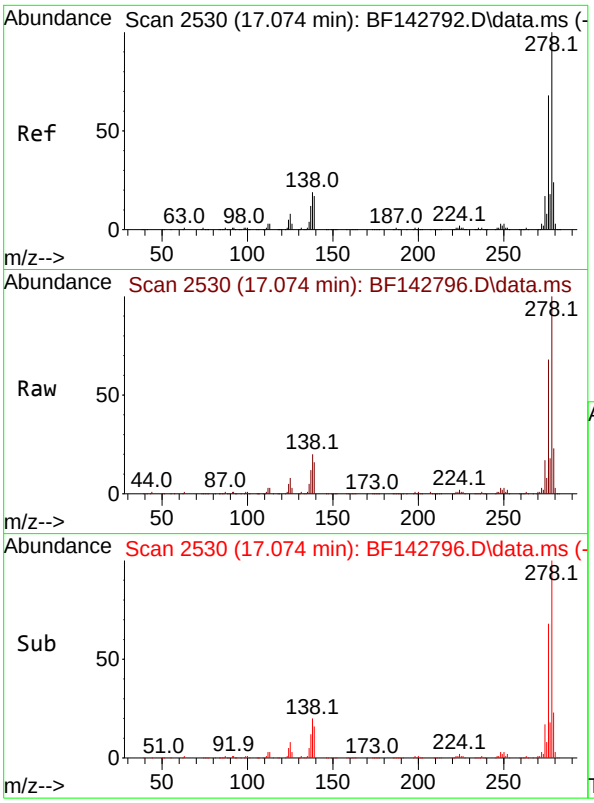




#90
Benzo(a)pyrene
Concen: 42.117 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:252 Resp: 361077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.5 | 26.3 |
| 125 | 10.4 | 8.6 | 12.8 |



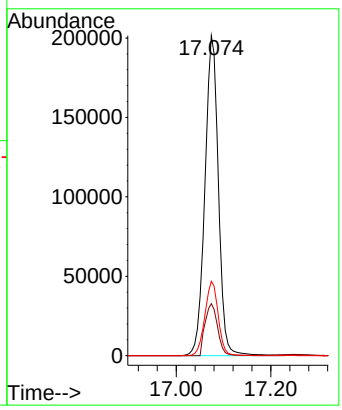


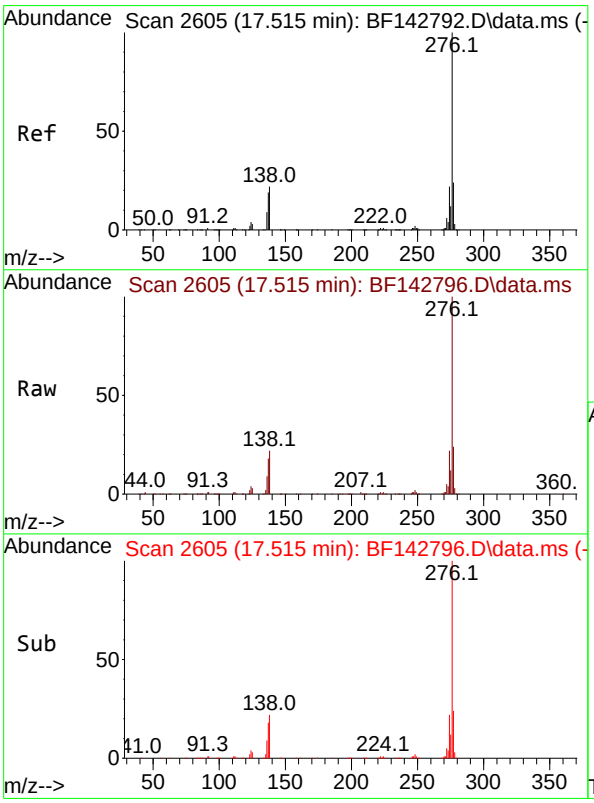

#91
Dibenzo(a,h)anthracene
Concen: 42.069 ng
RT: 17.074 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Tgt Ion:278 Resp: 399293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.3 | 13.5 | 20.3 |
| 279 | 23.3 | 18.8 | 28.2 |

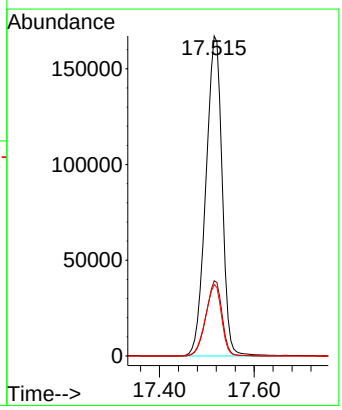



#92
Benzo(g,h,i)perylene
Concen: 42.006 ng
RT: 17.515 min Scan# 2605
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:276 Resp: 397566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.5 | 18.8 | 28.2 |
| 138 | 22.3 | 17.6 | 26.4 |



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 2 | | 1,4-Dioxane | 0.480 | 0.473 | 1.5 | 91 | 0.00 |
| 3 | | Pyridine | 1.205 | 1.248 | -3.6 | 95 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.623 | 0.653 | -4.8 | 97 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.201 | 1.219 | -1.5 | 94 | 0.00 |
| 6 | | Aniline | 1.886 | 1.999 | -6.0 | 97 | 0.00 |
| 7 | S | Phenol-d6 | 1.417 | 1.422 | -0.4 | 94 | 0.00 |
| 8 | | 2-Chlorophenol | 1.296 | 1.362 | -5.1 | 97 | 0.00 |
| 9 | | Benzaldehyde | 0.841 | 0.999 | -18.8 | 117 | 0.00 |
| 10 | C | Phenol | 1.575 | 1.650 | -4.8 | 96 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.126 | 1.187 | -5.4 | 98 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.449 | 1.542 | -6.4 | 99 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.462 | 1.545 | -5.7 | 97 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.387 | 1.474 | -6.3 | 98 | 0.00 |
| 15 | | Benzyl Alcohol | 1.025 | 1.079 | -5.3 | 98 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.809 | 1.917 | -6.0 | 99 | 0.00 |
| 17 | | 2-Methylphenol | 0.982 | 1.043 | -6.2 | 98 | 0.00 |
| 18 | | Hexachloroethane | 0.511 | 0.545 | -6.7 | 97 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.824 | 0.858 | -4.1 | 97 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.224 | 1.313 | -7.3 | 99 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 22 | | Acetophenone | 0.441 | 0.468 | -6.1 | 100 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.365 | 0.334 | 8.5 | 84 | 0.00 |
| 24 | | Nitrobenzene | 0.330 | 0.346 | -4.8 | 97 | 0.00 |
| 25 | | Isophorone | 0.585 | 0.605 | -3.4 | 97 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.180 | 0.194 | -7.8 | 97 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.311 | 0.328 | -5.5 | 98 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.372 | 0.390 | -4.8 | 98 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.282 | 0.298 | -5.7 | 97 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.310 | 0.327 | -5.5 | 98 | 0.00 |
| 31 | | Naphthalene | 0.979 | 1.033 | -5.5 | 99 | 0.00 |
| 32 | | Benzoic acid | 0.159 | 0.181 | -13.8 | 103 | 0.00 |
| 33 | | 4-Chloroaniline | 0.398 | 0.416 | -4.5 | 98 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.190 | 0.203 | -6.8 | 98 | 0.00 |
| 35 | | Caprolactam | 0.075 | 0.076 | -1.3 | 95 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.281 | 0.294 | -4.6 | 97 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.607 | 0.633 | -4.3 | 97 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.628 | 0.653 | -4.0 | 97 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.590 | 0.638 | -8.1 | 101 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.335 | 0.380 | -13.4 | 100 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.206 | 0.206 | 0.0 | 91 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.385 | 0.409 | -6.2 | 99 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.405 | 0.436 | -7.7 | 98 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.522 | 1.373 | 9.8 | 85 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.580 | 1.665 | -5.4 | 98 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.186 | 1.239 | -4.5 | 97 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.332 | 0.347 | -4.5 | 94 | 0.00 |
| 49 | | Acenaphthylene | 1.952 | 2.029 | -3.9 | 96 | 0.00 |
| 50 | | Dimethylphthalate | 1.295 | 1.334 | -3.0 | 96 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.284 | 0.294 | -3.5 | 94 | 0.00 |
| 52 | C | Acenaphthene | 1.191 | 1.245 | -4.5 | 96 | 0.00 |
| 53 | | 3-Nitroaniline | 0.313 | 0.325 | -3.8 | 95 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.142 | 0.156 | -9.9 | 97 | 0.00 |
| 55 | | Dibenzofuran | 1.708 | 1.757 | -2.9 | 95 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.214 | 0.217 | -1.4 | 92 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.378 | 0.390 | -3.2 | 94 | 0.00 |
| 58 | | Fluorene | 1.334 | 1.369 | -2.6 | 96 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.326 | 0.341 | -4.6 | 97 | 0.00 |
| 60 | | Diethylphthalate | 1.269 | 1.299 | -2.4 | 95 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.636 | 0.650 | -2.2 | 96 | 0.00 |
| 62 | | 4-Nitroaniline | 0.286 | 0.291 | -1.7 | 94 | 0.00 |
| 63 | | Azobenzene | 1.134 | 1.164 | -2.6 | 95 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.121 | 0.131 | -8.3 | 95 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.693 | 0.727 | -4.9 | 94 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.228 | 0.247 | -8.3 | 98 | 0.00 |
| 68 | | Hexachlorobenzene | 0.253 | 0.270 | -6.7 | 97 | 0.00 |
| 69 | | Atrazine | 0.179 | 0.192 | -7.3 | 96 | 0.00 |
| 70 | C | Pentachlorophenol | 0.126 | 0.137 | -8.7 | 94 | 0.00 |
| 71 | | Phenanthrene | 1.083 | 1.127 | -4.1 | 95 | 0.00 |
| 72 | | Anthracene | 1.111 | 1.167 | -5.0 | 95 | 0.00 |
| 73 | | Carbazole | 0.959 | 0.979 | -2.1 | 94 | 0.00 |
| 74 | | Di-n-butylphthalate | 0.999 | 1.055 | -5.6 | 97 | 0.00 |
| 75 | C | Fluoranthene | 1.028 | 1.038 | -1.0 | 94 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 77 | | Benzidine | 0.751 | 0.893 | -18.9 | 99 | 0.00 |
| 78 | | Pyrene | 1.875 | 1.912 | -2.0 | 94 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.447 | 1.282 | 11.4 | 83 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.544 | 0.631 | -16.0 | 99 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.349 | 1.412 | -4.7 | 96 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.438 | 0.509 | -16.2 | 102 | 0.00 |
| 83 | | Chrysene | 1.204 | 1.313 | -9.1 | 97 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.782 | 0.938 | -19.9 | 100 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.475 | 1.734 | -17.6 | 102 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.523 | 1.602 | -5.2 | 98 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.157 | 1.180 | -2.0 | 99 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.083 | 1.131 | -4.4 | 98 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.118 | 1.177 | -5.3 | 99 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.238 | 1.302 | -5.2 | 99 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.234 | 1.296 | -5.0 | 98 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev Area% | Dev(min) |
|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 89 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 39.357 | 1.6 | 91 | 0.00 |
| 3 | | Pyridine | 40.000 | 41.446 | -3.6 | 95 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.912 | -4.8 | 97 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.192 | -1.5 | 94 | 0.00 |
| 6 | | Aniline | 40.000 | 42.392 | -6.0 | 97 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 80.262 | -0.3 | 94 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 42.036 | -5.1 | 97 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 47.511 | -18.8 | 117 | 0.00 |
| 10 | C | Phenol | 40.000 | 41.901 | -4.8 | 96 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 42.157 | -5.4 | 98 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 42.568 | -6.4 | 99 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 42.268 | -5.7 | 97 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 42.520 | -6.3 | 98 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 42.114 | -5.3 | 98 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 42.379 | -5.9 | 99 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 42.485 | -6.2 | 98 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 42.589 | -6.5 | 97 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 41.640 | -4.1 | 97 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 42.904 | -7.3 | 99 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 89 | 0.00 |
| 22 | | Acetophenone | 40.000 | 42.478 | -6.2 | 100 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 73.334 | 8.3 | 84 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.968 | -4.9 | 97 | 0.00 |
| 25 | | Isophorone | 40.000 | 41.403 | -3.5 | 97 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.224 | -8.1 | 97 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.168 | -5.4 | 98 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.960 | -4.9 | 98 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.196 | -5.5 | 97 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 42.177 | -5.4 | 98 | 0.00 |
| 31 | | Naphthalene | 40.000 | 42.218 | -5.5 | 99 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 45.685 | -14.2 | 103 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 41.766 | -4.4 | 98 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.657 | -6.6 | 98 | 0.00 |
| 35 | | Caprolactam | 40.000 | 40.928 | -2.3 | 95 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.890 | -4.7 | 97 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.730 | -4.3 | 97 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 41.554 | -3.9 | 97 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 88 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 43.233 | -8.1 | 101 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 45.361 | -13.4 | 100 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 80.065 | -0.1 | 91 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 42.543 | -6.4 | 99 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 43.045 | -7.6 | 98 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 72.171 | 9.8 | 85 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 42.159 | -5.4 | 98 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 41.817 | -4.5 | 97 | 0.00 |

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 41.724 | -4.3 | 94 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 41.586 | -4.0 | 96 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 41.232 | -3.1 | 96 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.386 | -3.5 | 94 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 41.825 | -4.6 | 96 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 41.512 | -3.8 | 95 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 43.742 | -9.4 | 97 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 41.150 | -2.9 | 95 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 40.556 | -1.4 | 92 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.358 | -3.4 | 94 | 0.00 |
| 58 | | Fluorene | 40.000 | 41.052 | -2.6 | 96 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.857 | -4.6 | 97 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 40.937 | -2.3 | 95 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 40.862 | -2.2 | 96 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 40.628 | -1.6 | 94 | 0.00 |
| 63 | | Azobenzene | 40.000 | 41.025 | -2.6 | 95 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 87 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 43.341 | -8.4 | 95 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 41.955 | -4.9 | 94 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 43.376 | -8.4 | 98 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 42.632 | -6.6 | 97 | 0.00 |
| 69 | | Atrazine | 40.000 | 42.840 | -7.1 | 96 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 43.337 | -8.3 | 94 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 41.603 | -4.0 | 95 | 0.00 |
| 72 | | Anthracene | 40.000 | 42.013 | -5.0 | 95 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.858 | -2.1 | 94 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 42.228 | -5.6 | 97 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 40.372 | -0.9 | 94 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 86 | 0.00 |
| 77 | | Benzidine | 40.000 | 47.530 | -18.8 | 99 | 0.00 |
| 78 | | Pyrene | 40.000 | 40.794 | -2.0 | 94 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 70.839 | 11.5 | 83 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 46.431 | -16.1 | 99 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 41.868 | -4.7 | 96 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 46.521 | -16.3 | 102 | 0.00 |
| 83 | | Chrysene | 40.000 | 43.637 | -9.1 | 97 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 47.976 | -19.9 | 100 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 47.026 | -17.6 | 102 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 90 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 42.060 | -5.2 | 98 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 40.801 | -2.0 | 99 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 41.800 | -4.5 | 98 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 42.117 | -5.3 | 99 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 42.069 | -5.2 | 99 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 42.006 | -5.0 | 98 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev Area% | Dev(min) |
|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance  Contract: WALS01

Lab Code: ACE  SDG No.: Q2489

Instrument ID: BNA_M  Calibration Date(s): 07/08/2025 07/08/2025

Calibration Time(s): 12:39 17:22

LAB FILE ID: RRF2.5 = BM050377.D RRF005 = BM050378.D RRF010 = BM050379.D
RRF020 = BM050380.D RRF040 = BM050381.D RRF050 = BM050382.D

| COMPOUND | RRF2.5 | RRF005 | RRF010 | RRF020 | RRF040 | RRF050 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Pyridine | | 1.249 | 1.197 | 1.256 | 1.228 | 1.336 | 1.254 | 3.5 |
| 2-Fluorophenol | | 1.126 | 1.079 | 1.149 | 1.152 | 1.258 | 1.162 | 4.9 |
| Phenol-d6 | | 1.367 | 1.327 | 1.441 | 1.466 | 1.607 | 1.465 | 6.7 |
| 1,4-Dichlorobenzene | | 1.553 | 1.459 | 1.536 | 1.465 | 1.610 | 1.521 | 3.6 |
| 2-Methylphenol | | 0.922 | 0.898 | 0.980 | 0.990 | 1.089 | 0.991 | 6.7 |
| 3+4-Methylphenols | | | 1.170 | 1.296 | 1.325 | 1.458 | 1.330 | 7.3 |
| Nitrobenzene-d5 | | 0.362 | 0.355 | 0.390 | 0.392 | 0.429 | 0.392 | 6.8 |
| Hexachloroethane | | 0.518 | 0.501 | 0.532 | 0.520 | 0.574 | 0.535 | 4.7 |
| Nitrobenzene | | 0.333 | 0.329 | 0.353 | 0.345 | 0.377 | 0.350 | 4.7 |
| Hexachlorobutadiene | | 0.222 | 0.209 | 0.222 | 0.221 | 0.244 | 0.228 | 5.4 |
| 2,4,6-Trichlorophenol | | 0.330 | 0.335 | 0.377 | 0.394 | 0.443 | 0.391 | 11.8 |
| 2-Fluorobiphenyl | | 1.572 | 1.538 | 1.611 | 1.592 | 1.753 | 1.620 | 4.7 |
| 2,4,5-Trichlorophenol | | 0.359 | 0.376 | 0.415 | 0.430 | 0.484 | 0.428 | 11.1 |
| 2,4-Dinitrotoluene | | 0.234 | 0.277 | 0.340 | 0.371 | 0.422 | 0.350 | 20.3 |
| 2,4,6-Tribromophenol | | 0.182 | 0.195 | 0.230 | 0.248 | 0.285 | 0.243 | 17.4 |
| Hexachlorobenzene | | 0.239 | 0.233 | 0.253 | 0.256 | 0.283 | 0.260 | 7.8 |
| Pentachlorophenol | | | 0.122 | 0.145 | 0.161 | 0.181 | 0.162 | 15.2 |
| Terphenyl-d14 | | 1.095 | 1.110 | 1.225 | 1.258 | 1.298 | 1.137 | 12.4 |

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM070925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 08 18:32:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM050377.D 5 =BM050378.D 10 =BM050379.D 20 =BM050380.D 40 =BM050381.D 50 =BM050382.D 60 =BM050383.D 80 =BM0503
84.D

| | | Compound | 2.5 | 5 | 10 | 20 | 40 | 50 | 60 | 80 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | | | |
| 2) | | 1,4-Dioxane | 0.504 | 0.466 | 0.482 | 0.460 | 0.501 | 0.474 | 0.457 | 0.478 | 3.99 | |
| 3) | | Pyridine | 1.249 | 1.197 | 1.256 | 1.228 | 1.336 | 1.279 | 1.236 | 1.254 | 3.52 | |
| 4) | | n-Nitrosodimet... | | 0.562 | 0.595 | 0.572 | 0.620 | 0.595 | 0.565 | 0.585 | 3.88 | |
| 5) | S | 2-Fluorophenol | 1.126 | 1.079 | 1.149 | 1.152 | 1.258 | 1.202 | 1.168 | 1.162 | 4.89 | |
| 6) | | Aniline | 1.784 | 1.702 | 1.844 | 1.878 | 2.042 | 1.987 | 1.921 | 1.880 | 6.20 | |
| 7) | S | Phenol-d6 | 1.367 | 1.327 | 1.441 | 1.466 | 1.607 | 1.547 | 1.498 | 1.465 | 6.67 | |
| 8) | | 2-Chlorophenol | 1.135 | 1.105 | 1.219 | 1.217 | 1.341 | 1.301 | 1.258 | 1.225 | 6.89 | |
| 9) | | Benzaldehyde | | 0.944 | 0.985 | 0.897 | 0.837 | 0.694 | | 0.871 | 13.03 | |
| 10) | C | Phenol | 1.460 | 1.412 | 1.516 | 1.508 | 1.666 | 1.598 | 1.535 | 1.528 | 5.51 | |
| 11) | | bis(2-Chloroet... | 1.202 | 1.134 | 1.223 | 1.196 | 1.324 | 1.268 | 1.218 | 1.223 | 4.88 | |
| 12) | | 1,3-Dichlorobe... | 1.504 | 1.425 | 1.496 | 1.448 | 1.580 | 1.511 | 1.465 | 1.490 | 3.40 | |
| 13) | C | 1,4-Dichlorobe... | 1.553 | 1.459 | 1.536 | 1.465 | 1.610 | 1.538 | 1.487 | 1.521 | 3.57 | |
| 14) | | 1,2-Dichlorobe... | 1.481 | 1.395 | 1.454 | 1.410 | 1.541 | 1.485 | 1.428 | 1.456 | 3.48 | |
| 15) | | Benzyl Alcohol | | 0.907 | 0.995 | 1.022 | 1.125 | 1.090 | 1.052 | 1.032 | 7.45 | |
| 16) | | 2,2'-oxybis(1-... | 1.835 | 1.741 | 1.818 | 1.752 | 1.907 | 1.821 | 1.741 | 1.802 | 3.41 | |
| 17) | | 2-Methylphenol | 0.922 | 0.898 | 0.980 | 0.990 | 1.089 | 1.048 | 1.008 | 0.991 | 6.71 | |
| 18) | | Hexachloroethane | 0.518 | 0.501 | 0.532 | 0.520 | 0.574 | 0.556 | 0.543 | 0.535 | 4.66 | |
| 19) | P | n-Nitroso-di-n... | 0.790 | 0.805 | 0.808 | 0.888 | 0.911 | 1.005 | 0.968 | 0.924 | 0.887 | 9.01 |
| 20) | | 3+4-Methylphenols | | 1.170 | 1.296 | 1.325 | 1.458 | 1.393 | 1.338 | 1.330 | 7.29 | |
| 21) | I | Naphthalene-d8 | ----------ISTD---------- | | | | | | | | | |
| 22) | | Acetophenone | 0.493 | 0.479 | 0.501 | 0.491 | 0.534 | 0.513 | 0.489 | 0.500 | 3.69 | |
| 23) | S | Nitrobenzene-d5 | 0.362 | 0.355 | 0.390 | 0.392 | 0.429 | 0.415 | 0.400 | 0.392 | 6.77 | |
| 24) | | Nitrobenzene | 0.333 | 0.329 | 0.353 | 0.345 | 0.377 | 0.362 | 0.349 | 0.350 | 4.73 | |
| 25) | | Isophorone | 0.571 | 0.574 | 0.634 | 0.640 | 0.702 | 0.679 | 0.652 | 0.636 | 7.73 | |
| 26) | C | 2-Nitrophenol | 0.107 | 0.112 | 0.132 | 0.147 | 0.167 | 0.167 | 0.167 | 0.143 | 18.26 | |
| 27) | | 2,4-Dimethylph... | 0.295 | 0.275 | 0.301 | 0.299 | 0.329 | 0.317 | 0.308 | 0.303 | 5.63 | |
| 28) | | bis(2-Chloroet... | 0.407 | 0.395 | 0.422 | 0.417 | 0.454 | 0.436 | 0.420 | 0.422 | 4.61 | |
| 29) | C | 2,4-Dichloroph... | 0.277 | 0.279 | 0.311 | 0.312 | 0.344 | 0.334 | 0.325 | 0.312 | 8.26 | |
| 30) | | 1,2,4-Trichlor... | 0.370 | 0.349 | 0.369 | 0.362 | 0.397 | 0.385 | 0.378 | 0.373 | 4.21 | |
| 31) | | Naphthalene | 1.033 | 0.975 | 1.024 | 0.988 | 1.071 | 1.029 | 0.992 | 1.016 | 3.26 | |
| 32) | | Benzoic acid | | 0.100 | 0.139 | 0.164 | 0.195 | 0.194 | 0.199 | 0.165 | 23.89 | |
| 33) | | 4-Chloroaniline | 0.398 | 0.397 | 0.427 | 0.429 | 0.465 | 0.453 | 0.437 | 0.429 | 6.00 | |
| 34) | C | Hexachlorobuta... | 0.222 | 0.209 | 0.222 | 0.221 | 0.244 | 0.239 | 0.235 | 0.228 | 5.37 | |
| 35) | | Caprolactam | | 0.064 | 0.081 | 0.087 | 0.096 | 0.093 | 0.090 | 0.085 | 13.87 | |
| 36) | C | 4-Chloro-3-met... | 0.258 | 0.256 | 0.288 | 0.295 | 0.326 | 0.313 | 0.302 | 0.291 | 9.10 | |
| 37) | | 2-Methylnaphth... | 0.611 | 0.595 | 0.638 | 0.635 | 0.693 | 0.671 | 0.647 | 0.641 | 5.19 | |
| 38) | | 1-Methylnaphth... | 0.651 | 0.629 | 0.674 | 0.673 | 0.736 | 0.707 | 0.681 | 0.679 | 5.17 | |

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM070925.M

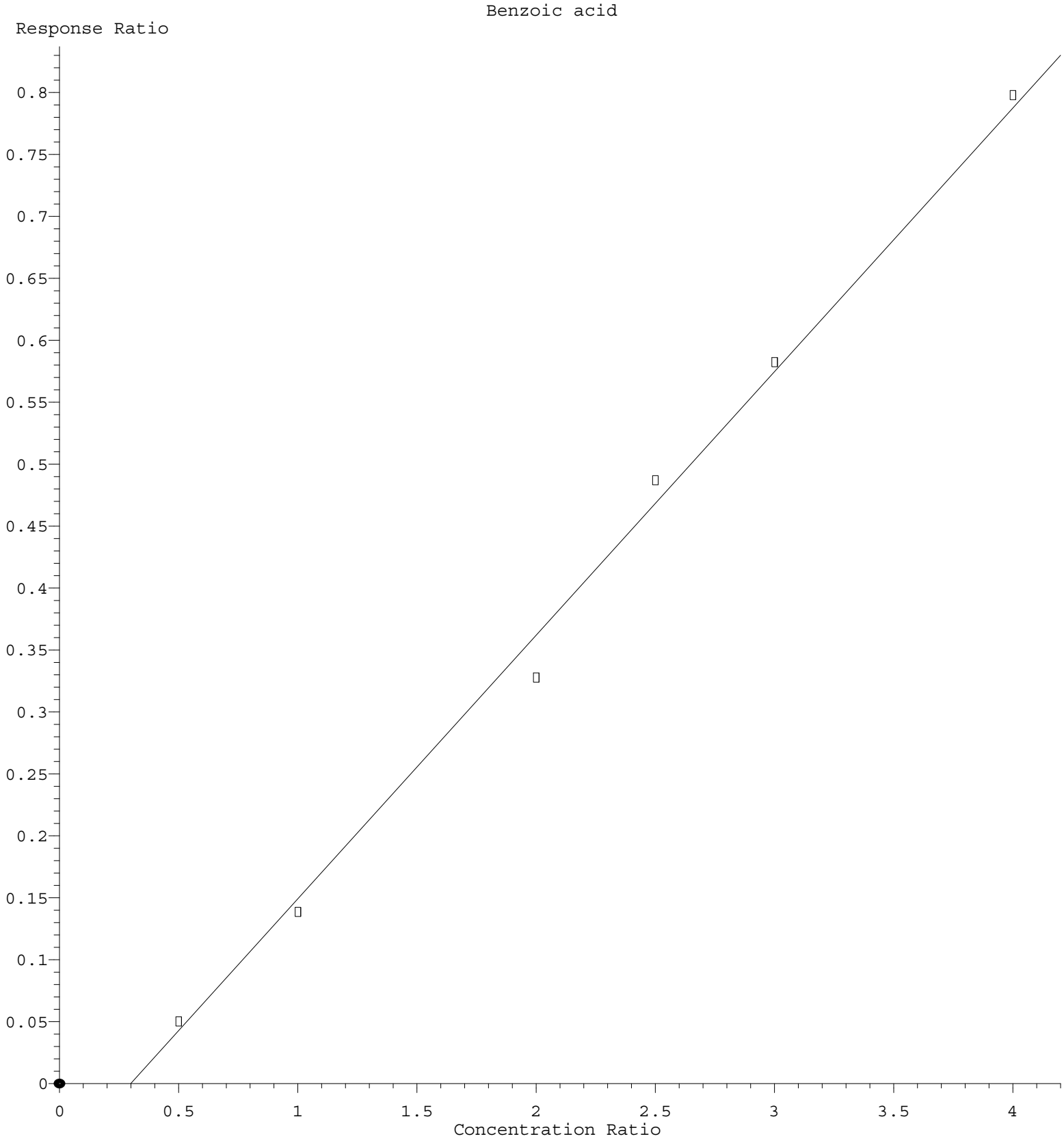
| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 39) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 40) | | 1,2,4,5-Tetrac... | 0.590 | 0.569 | 0.611 | 0.622 | 0.700 | 0.683 | 0.677 | 0.636 | 7.93 |
| 41) | P | Hexachlorocycl... | | 0.320 | 0.361 | 0.396 | 0.450 | 0.454 | 0.459 | 0.407 | 14.08 |
| 42) | S | 2,4,6-Tribromo... | 0.182 | 0.195 | 0.230 | 0.248 | 0.285 | 0.280 | 0.280 | 0.243 | 17.40 |
| 43) | C | 2,4,6-Trichlor... | 0.330 | 0.335 | 0.377 | 0.394 | 0.443 | 0.434 | 0.427 | 0.391 | 11.81 |
| 44) | | 2,4,5-Trichlor... | 0.359 | 0.376 | 0.415 | 0.430 | 0.484 | 0.470 | 0.460 | 0.428 | 11.13 |
| 45) | S | 2-Fluorobiphenyl | 1.572 | 1.538 | 1.611 | 1.592 | 1.753 | 1.697 | 1.575 | 1.620 | 4.74 |
| 46) | | 1,1'-Biphenyl | 1.464 | 1.419 | 1.479 | 1.441 | 1.586 | 1.527 | 1.471 | 1.484 | 3.79 |
| 47) | | 2-Chloronaphth... | 1.164 | 1.126 | 1.187 | 1.150 | 1.267 | 1.217 | 1.171 | 1.183 | 3.93 |
| 48) | | 2-Nitroaniline | 0.197 | 0.211 | 0.253 | 0.278 | 0.312 | 0.302 | 0.295 | 0.264 | 17.17 |
| 49) | | Acenaphthylene | 1.645 | 1.658 | 1.795 | 1.775 | 1.956 | 1.875 | 1.811 | 1.788 | 6.21 |
| 50) | | Dimethylphthalate | 1.323 | 1.285 | 1.368 | 1.351 | 1.506 | 1.432 | 1.373 | 1.377 | 5.29 |
| 51) | | 2,6-Dinitrotol... | 0.196 | 0.224 | 0.263 | 0.273 | 0.308 | 0.297 | 0.289 | 0.264 | 15.41 |
| 52) | C | Acenaphthene | 1.086 | 1.050 | 1.126 | 1.111 | 1.231 | 1.196 | 1.158 | 1.137 | 5.51 |
| 53) | | 3-Nitroaniline | 0.204 | 0.231 | 0.278 | 0.294 | 0.330 | 0.319 | 0.311 | 0.281 | 16.81 |
| 54) | P | 2,4-Dinitrophenol | | 0.074 | 0.097 | 0.117 | 0.140 | 0.147 | 0.150 | 0.121 | 25.40 |
| 55) | | Dibenzofuran | 1.747 | 1.674 | 1.756 | 1.709 | 1.880 | 1.784 | 1.711 | 1.751 | 3.84 |
| 56) | P | 4-Nitrophenol | | 0.182 | 0.225 | 0.245 | 0.276 | 0.265 | 0.258 | 0.242 | 14.15 |
| 57) | | 2,4-Dinitrotol... | 0.234 | 0.277 | 0.340 | 0.371 | 0.422 | 0.407 | 0.401 | 0.350 | 20.31 |
| 58) | | Fluorene | 1.348 | 1.328 | 1.428 | 1.419 | 1.582 | 1.522 | 1.470 | 1.443 | 6.29 |
| 59) | | 2,3,4,6-Tetrac... | 0.299 | 0.306 | 0.355 | 0.365 | 0.405 | 0.397 | 0.392 | 0.360 | 11.92 |
| 60) | | Diethylphthalate | 1.217 | 1.210 | 1.319 | 1.309 | 1.454 | 1.379 | 1.320 | 1.315 | 6.51 |
| 61) | | 4-Chlorophenyl... | 0.687 | 0.673 | 0.733 | 0.747 | 0.839 | 0.811 | 0.790 | 0.754 | 8.28 |
| 62) | | 4-Nitroaniline | 0.192 | 0.228 | 0.284 | 0.311 | 0.350 | 0.331 | 0.320 | 0.288 | 20.10 |
| 63) | | Azobenzene | 1.085 | 1.116 | 1.234 | 1.208 | 1.335 | 1.272 | 1.204 | 1.208 | 7.15 |
| 64) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 65) | | 4,6-Dinitro-2-... | | 0.057 | 0.077 | 0.094 | 0.109 | 0.113 | 0.117 | 0.095 | 24.90 |
| 66) | c | n-Nitrosodiphe... | 0.572 | 0.577 | 0.620 | 0.623 | 0.678 | 0.658 | 0.654 | 0.626 | 6.49 |
| 67) | | 4-Bromophenyl-... | 0.196 | 0.194 | 0.211 | 0.218 | 0.242 | 0.240 | 0.241 | 0.220 | 9.61 |
| 68) | | Hexachlorobenzene | 0.239 | 0.233 | 0.253 | 0.256 | 0.283 | 0.279 | 0.278 | 0.260 | 7.78 |
| 69) | | Atrazine | 0.166 | 0.175 | 0.199 | 0.211 | 0.232 | 0.228 | 0.227 | 0.206 | 12.95 |
| 70) | C | Pentachlorophenol | | 0.122 | 0.145 | 0.161 | 0.181 | 0.180 | 0.183 | 0.162 | 15.23 |
| 71) | | Phenanthrene | 1.119 | 1.070 | 1.119 | 1.101 | 1.206 | 1.163 | 1.143 | 1.132 | 3.91 |
| 72) | | Anthracene | 1.028 | 1.017 | 1.109 | 1.117 | 1.233 | 1.204 | 1.179 | 1.127 | 7.44 |
| 73) | | Carbazole | 0.939 | 0.944 | 1.009 | 1.010 | 1.108 | 1.073 | 1.052 | 1.019 | 6.23 |
| 74) | | Di-n-butylphth... | 0.954 | 0.961 | 1.091 | 1.140 | 1.252 | 1.216 | 1.196 | 1.116 | 10.76 |
| 75) | C | Fluoranthene | 1.088 | 1.079 | 1.182 | 1.233 | 1.366 | 1.339 | 1.327 | 1.230 | 9.67 |
| 76) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 77) | | Benzidine | | 0.370 | 0.521 | 0.553 | 0.601 | 0.552 | 0.464 | 0.510 | 16.08 |
| 78) | | Pyrene | 1.198 | 1.177 | 1.260 | 1.260 | 1.388 | 1.366 | 1.316 | 1.281 | 6.26 |
| 79) | S | Terphenyl-d14 | 1.095 | 1.110 | 1.225 | 1.258 | 1.298 | 1.094 | 0.878 | 1.137 | 12.43 |
| 80) | | Butylbenzylpht... | 0.317 | 0.334 | 0.401 | 0.441 | 0.492 | 0.491 | 0.479 | 0.422 | 17.39 |
| 81) | | Benzo(a)anthra... | 1.204 | 1.202 | 1.282 | 1.282 | 1.428 | 1.379 | 1.345 | 1.303 | 6.57 |
| 82) | | 3,3'-Dichlorob... | | 0.351 | 0.406 | 0.429 | 0.498 | 0.487 | 0.465 | 0.439 | 12.66 |
| 83) | | Chrysene | 1.162 | 1.153 | 1.200 | 1.209 | 1.327 | 1.303 | 1.249 | 1.229 | 5.45 |
| 84) | | Bis(2-ethylhex... | 0.499 | 0.546 | 0.658 | 0.705 | 0.780 | 0.763 | 0.742 | 0.670 | 16.33 |
| 85) | c | Di-n-octyl pht... | | 0.742 | 0.931 | 1.058 | 1.193 | 1.194 | 1.183 | 1.050 | 17.44 |

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM070925.M

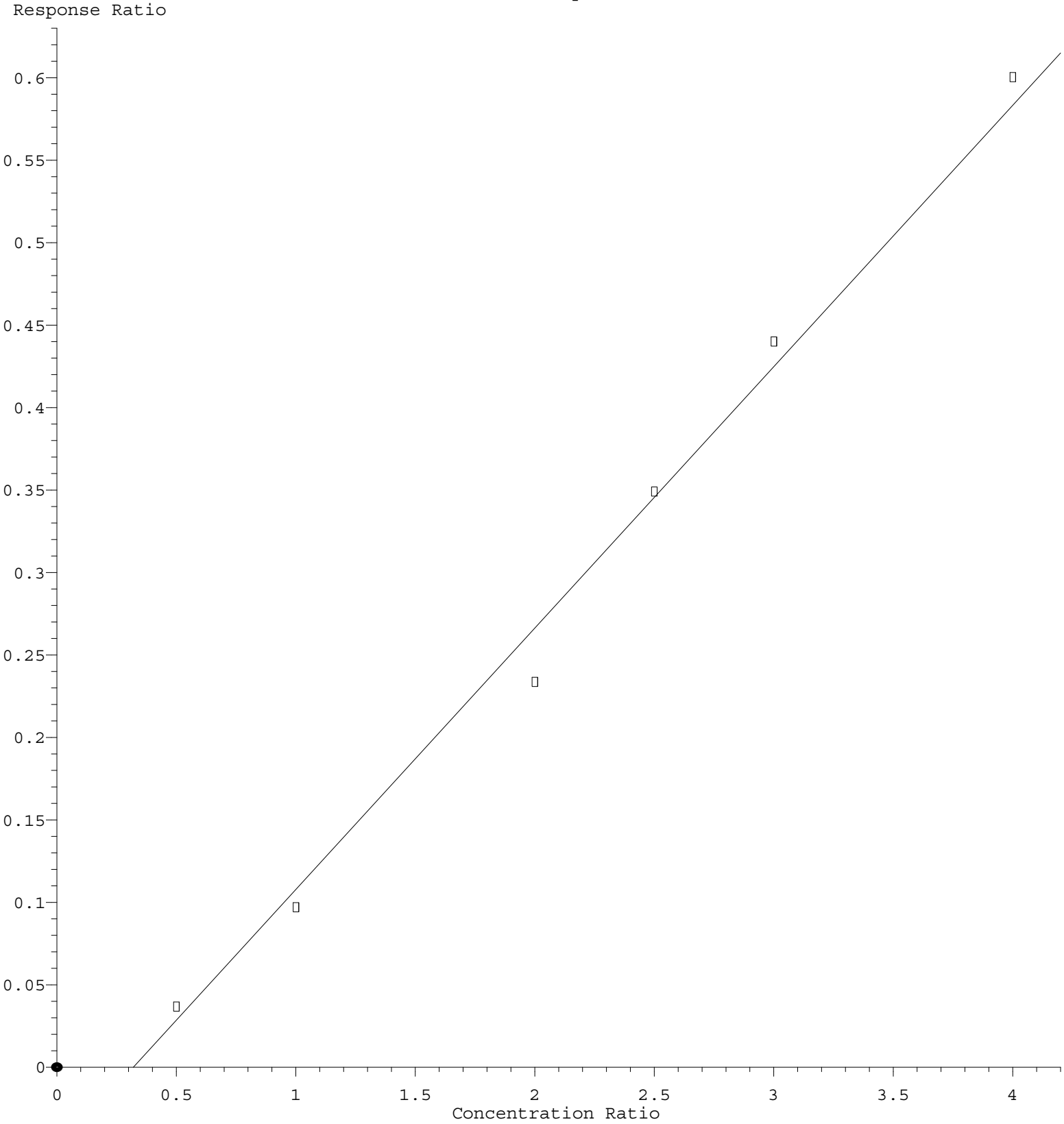
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 86) I | Perylene-d12 | ----------ISTD---------- | | | | | | | | |
| 87) | Indeno(1,2,3-c... | 1.208 | 1.238 | 1.374 | 1.415 | 1.603 | 1.564 | 1.551 | 1.422 | 11.17 |
| 88) | Benzo(b)fluora... | 1.090 | 1.075 | 1.177 | 1.230 | 1.368 | 1.344 | 1.327 | 1.230 | 9.83 |
| 89) | Benzo(k)fluora... | 1.105 | 1.138 | 1.247 | 1.263 | 1.444 | 1.387 | 1.350 | 1.276 | 9.86 |
| 90) C | Benzo(a)pyrene | 0.962 | 0.985 | 1.099 | 1.156 | 1.314 | 1.281 | 1.264 | 1.152 | 12.41 |
| 91) | Dibenzo(a,h)an... | 1.022 | 1.035 | 1.159 | 1.193 | 1.352 | 1.320 | 1.301 | 1.198 | 11.23 |
| 92) | Benzo(g,h,i)pe... | 0.992 | 1.001 | 1.097 | 1.121 | 1.263 | 1.232 | 1.216 | 1.132 | 9.73 |

(#) = Out of Range



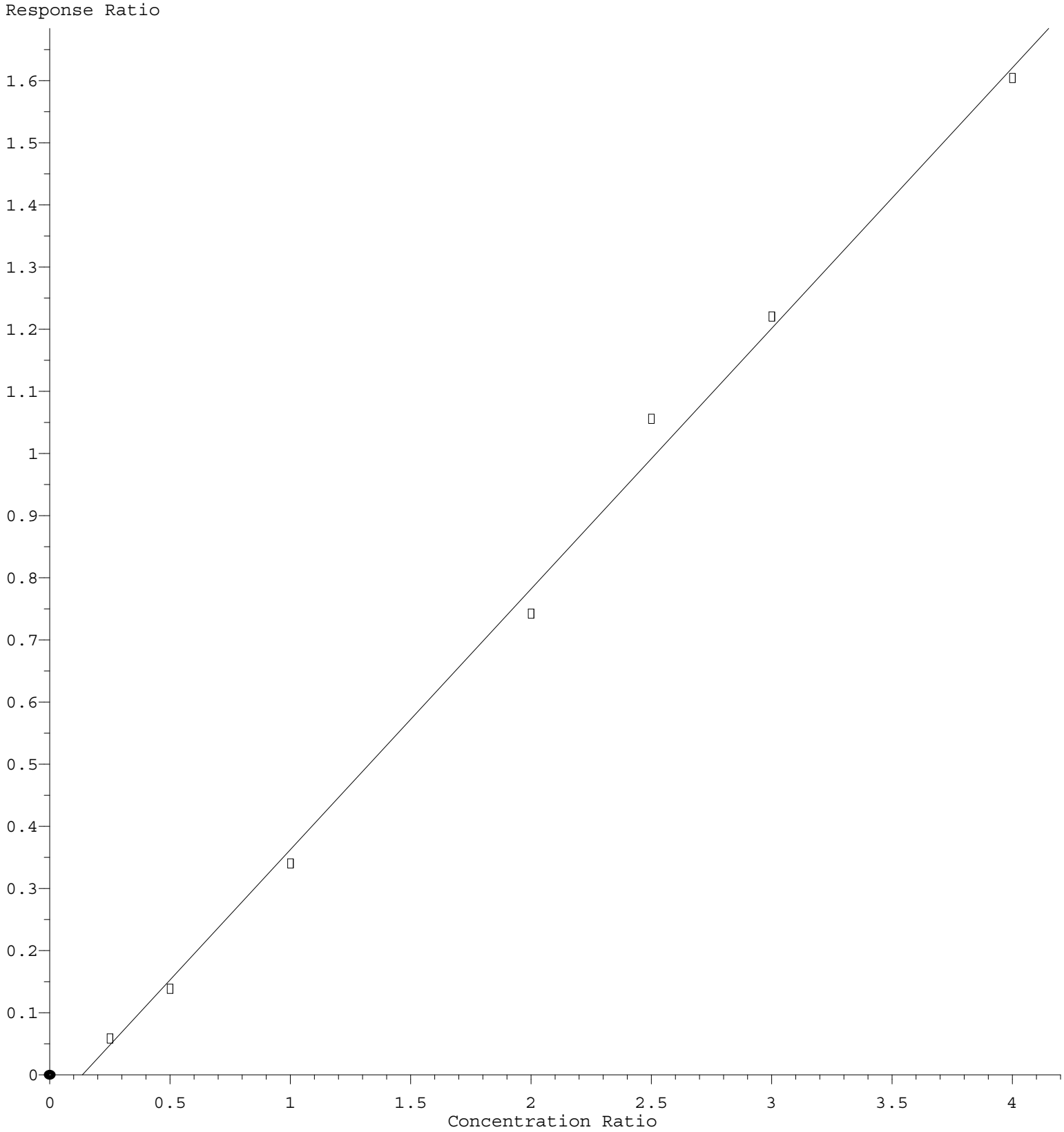

Response = 2.127e-001 * Amt - 6.353e-002
Coef of Det (r^2) = 0.995611  Curve Fit: wlr(1/a)
Method Name:  Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM070925.M
Calibration Table Last Updated: Tue Jul 08 18:32:25 2025

2,4-Dinitrophenol

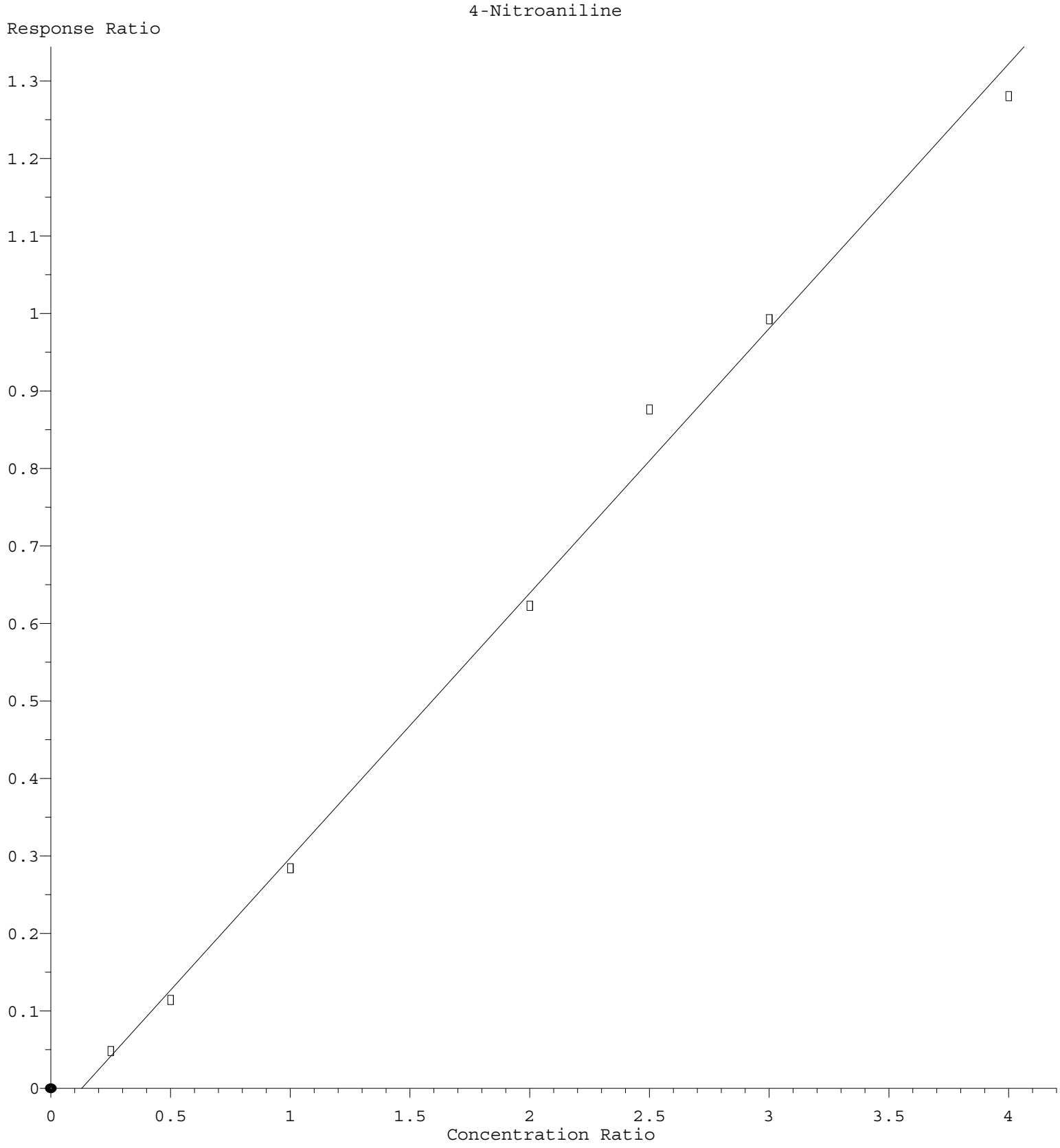



Response = 1.586e-001 * Amt - 5.080e-002
Coef of Det (r^2) = 0.992540  Curve Fit: wlr(1/a)
Method Name:  Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM070925.M
Calibration Table Last Updated: Tue Jul 08 18:32:25 2025

2,4-Dinitrotoluene

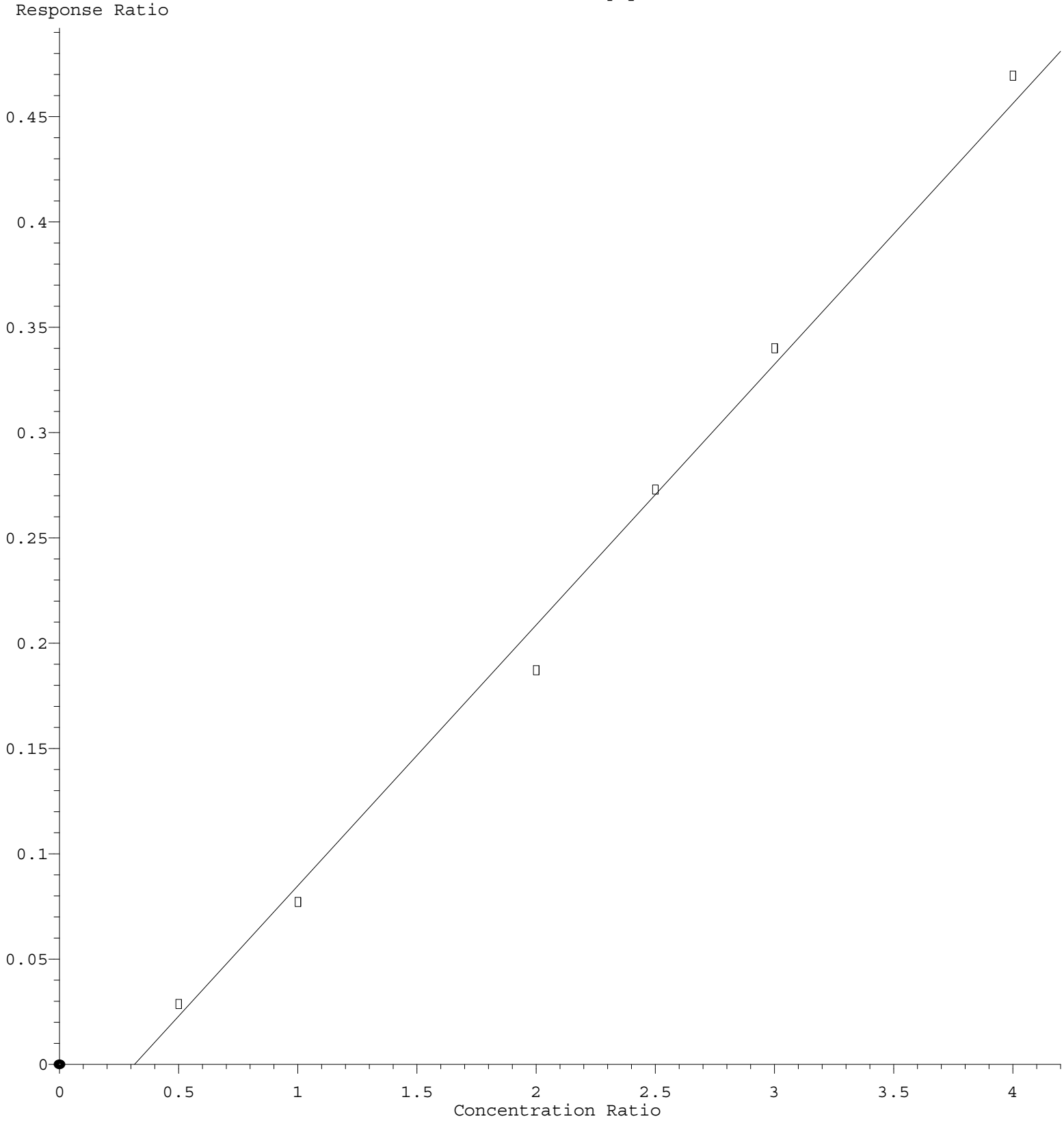



Response = 4.196e-001 * Amt - 5.715e-002
Coef of Det (r^2) = 0.996987  Curve Fit: wlr(1/a)
Method Name:  Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM070925.M
Calibration Table Last Updated: Tue Jul 08 18:32:25 2025




Response = 3.416e-001 * Amt - 4.419e-002
Coef of Det (r^2) = 0.996508  Curve Fit: wlr(1/a)
Method Name:  Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM070925.M
Calibration Table Last Updated: Tue Jul 08 18:32:25 2025

4,6-Dinitro-2-methylphenol




Response = 1.238e-001 * Amt - 3.901e-002
Coef of Det (r^2) = 0.994498  Curve Fit: wlr(1/a)
Method Name:  Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM070925.M
Calibration Table Last Updated: Tue Jul 08 18:32:25 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050377.D
Acq On : 08 Jul 2025 12:39
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Quant Time: Jul 08 18:19:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.863 | 152 | 378493 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.663 | 136 | 1426576 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.492 | 164 | 874661 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.227 | 188 | 1666049 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.450 | 240 | 1594000 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.491 | 264 | 1645810 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 0.000 | 112 | 0d | 0.000 | ng | |
| 7) Phenol-d6 | 0.000 | 99 | 0d | 0.000 | ng | |
| 23) Nitrobenzene-d5 | 0.000 | 82 | 0d | 0.000 | ng | |
| 42) 2,4,6-Tribromophenol | 0.000 | 330 | 0d | 0.000 | ng | |
| 45) 2-Fluorobiphenyl | 0.000 | 172 | 0d | 0.000 | ng | |
| 79) Terphenyl-d14 | 0.000 | 244 | 0d | 0.000 | ng | |
| Target Compounds | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propyla... | 8.663 | 70 | 37375 | 2.226 | ng | 100 |

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

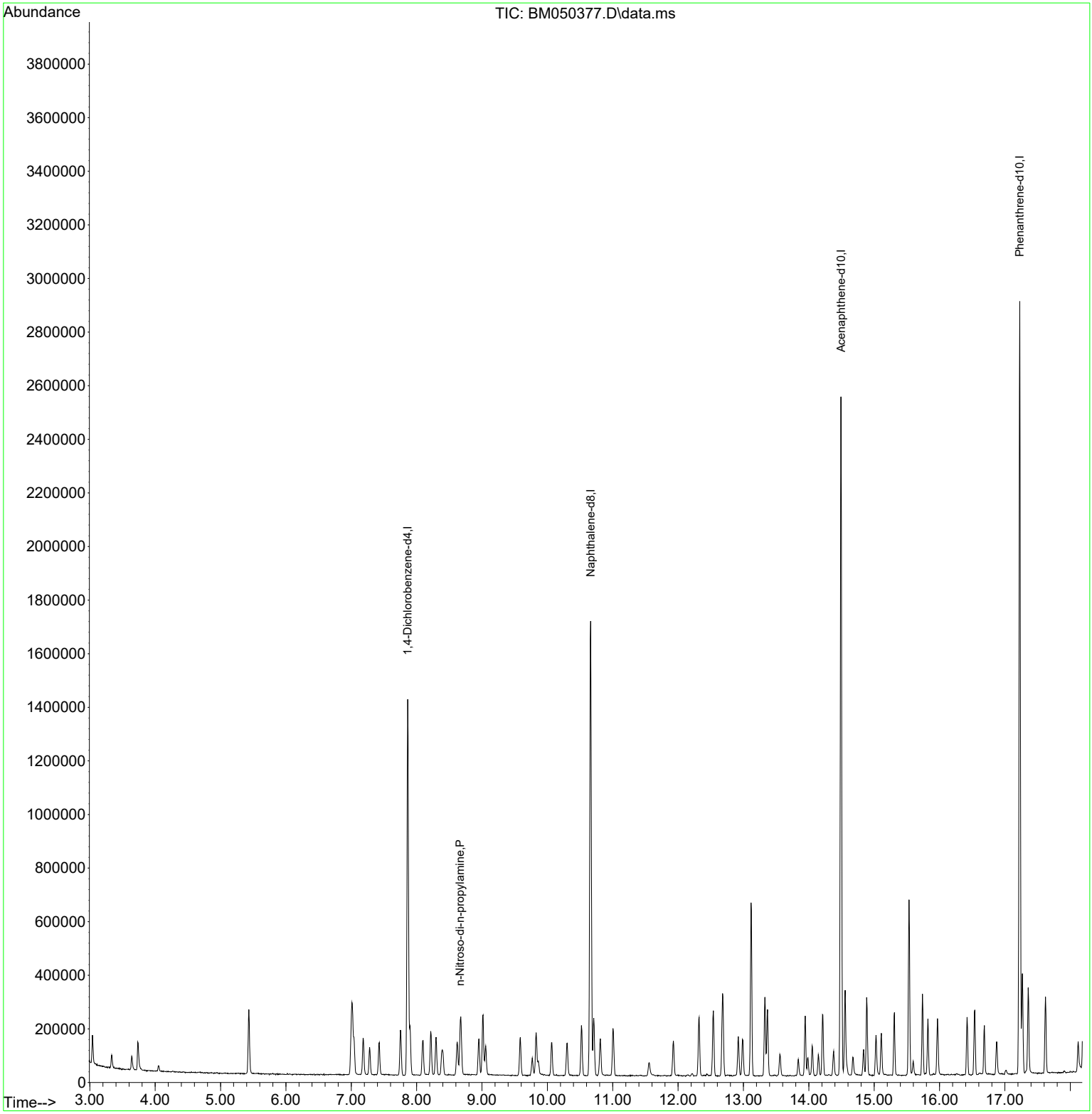
Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050377.D
Acq On : 08 Jul 2025 12:39
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Quant Time: Jul 08 18:19:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



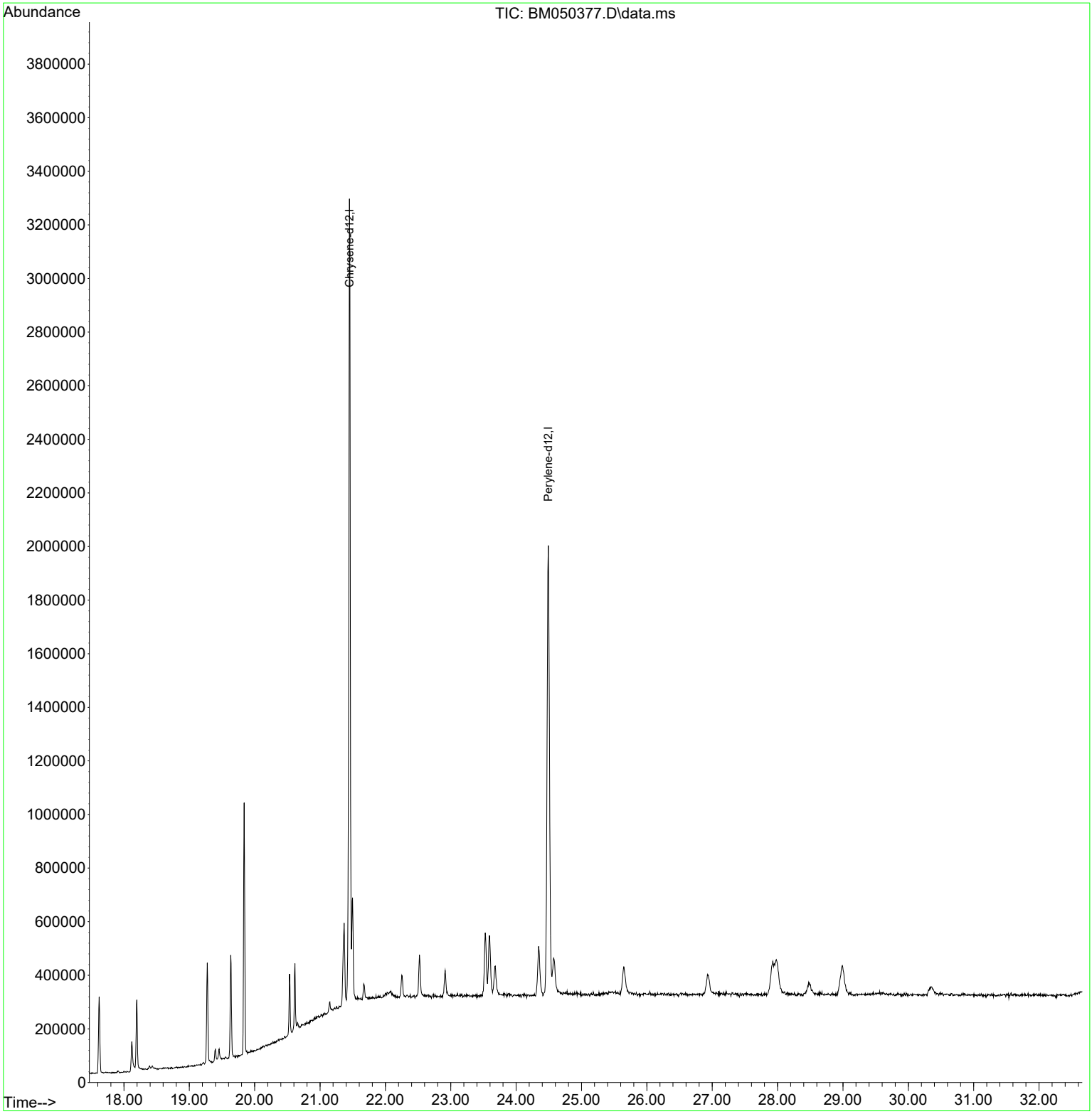
Quantitation Report (QT Reviewed)

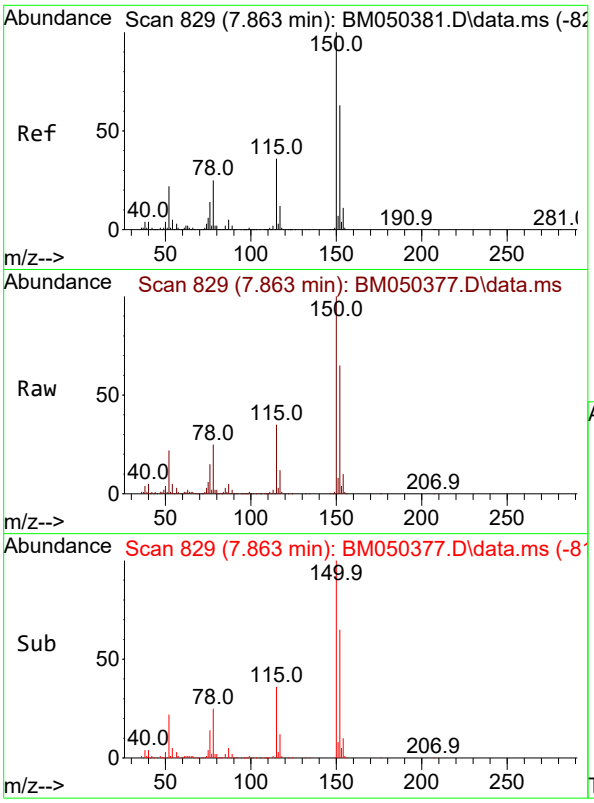
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050377.D
Acq On : 08 Jul 2025 12:39
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Quant Time: Jul 08 18:19:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



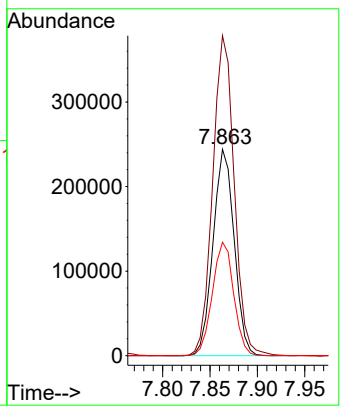


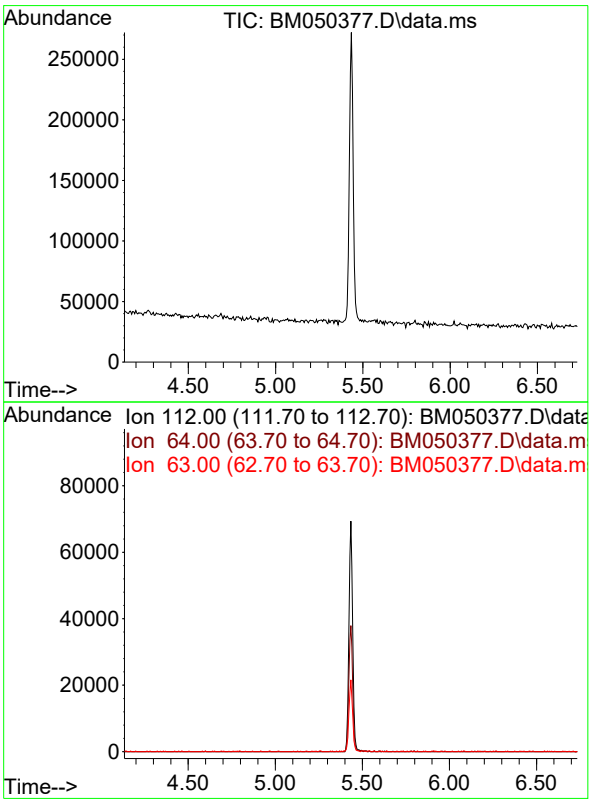

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:152 Resp: 378493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.0 | 126.2 | 189.4 |
| 115 | 55.0 | 45.8 | 68.8 |



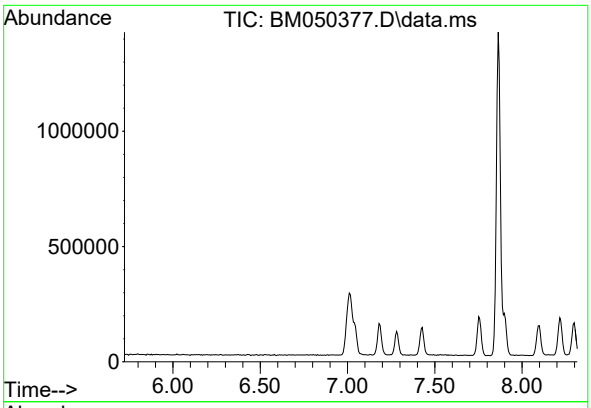




#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.43 min

Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

Tgt Ion: 112

| Sig | Exp Ratio |
|---|---|
| 112 | 100 |
| 64 | 56.9 |
| 63 | 30.3 |



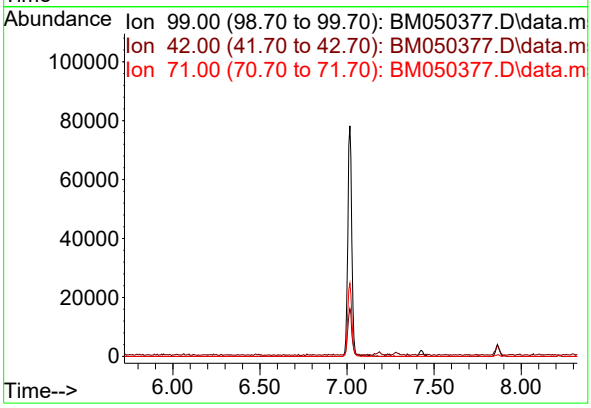

#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.02 min

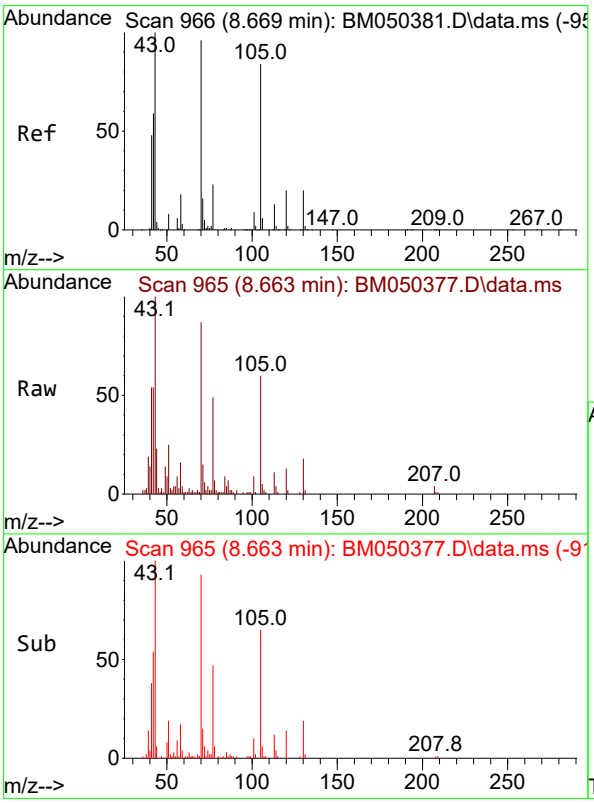
Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Tgt Ion: 99

| Sig | Exp Ratio |
|---|---|
| 99 | 100 |
| 42 | 18.8 |
| 71 | 32.4 |

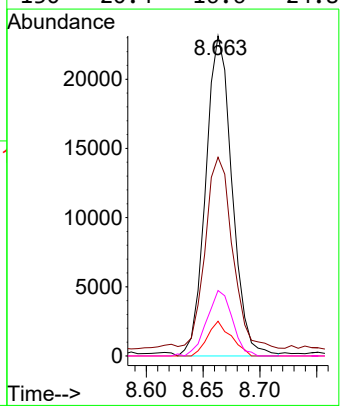


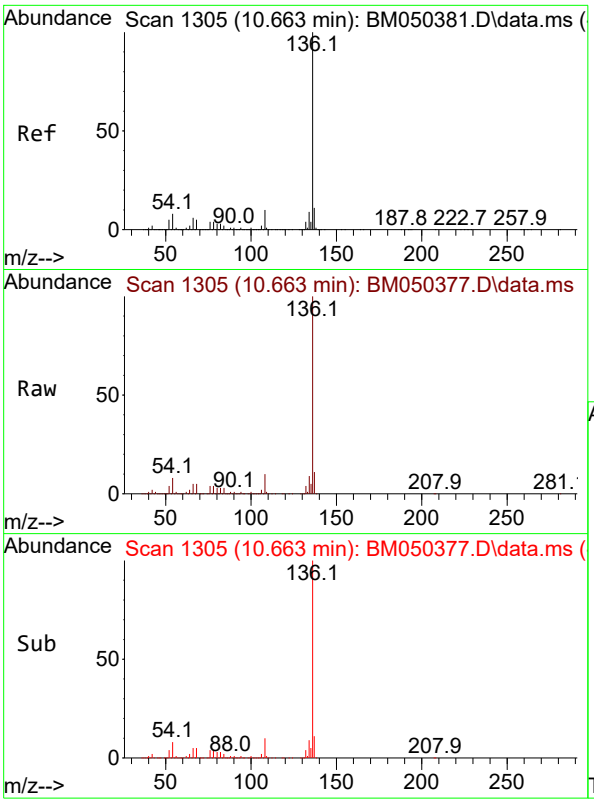




#19
n-Nitroso-di-n-propylamine
Concen: 2.226 ng
RT: 8.663 min Scan# 965
Delta R.T. -0.006 min
Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

Tgt Ion: 70 Resp: 37375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 62.1 | 49.7 | 74.5 |
| 101 | 10.8 | 7.7 | 11.5 |
| 130 | 20.4 | 16.6 | 24.8 |



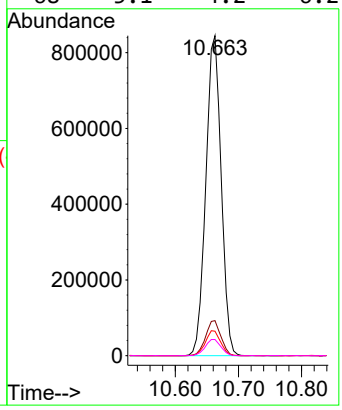


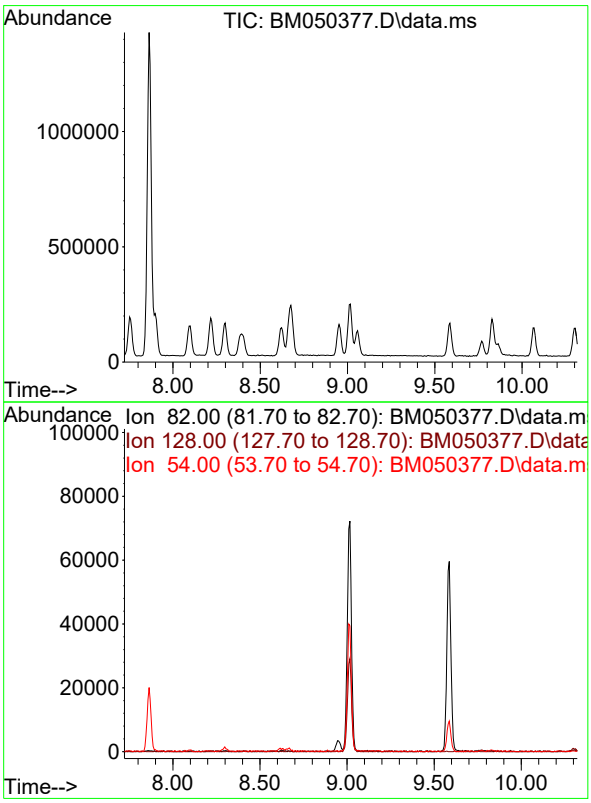

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:136 Resp: 1426576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 7.7 | 6.3 | 9.5 |
| 68 | 5.1 | 4.2 | 6.2 |



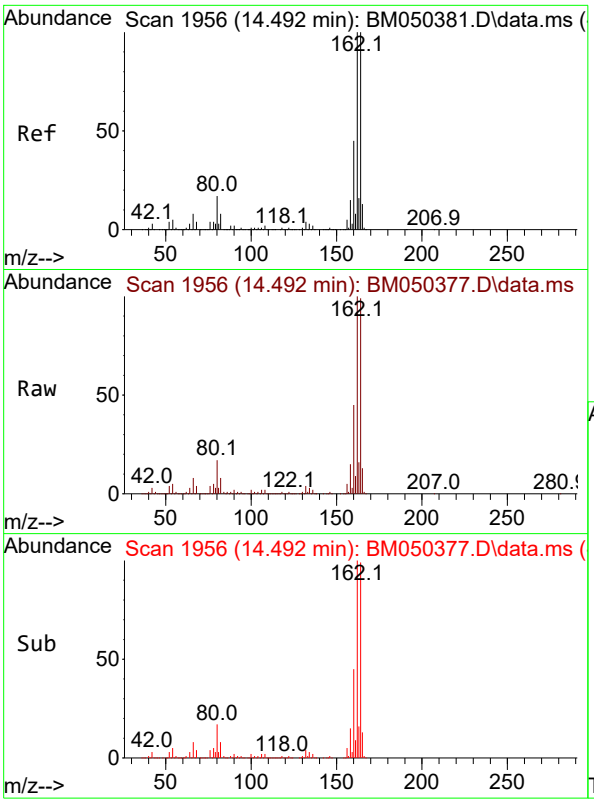




#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.02 min

Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

Tgt Ion: 82

| Sig | Exp Ratio |
|---|---|
| 82 | 100 |
| 128 | 44.0 |
| 54 | 51.9 |

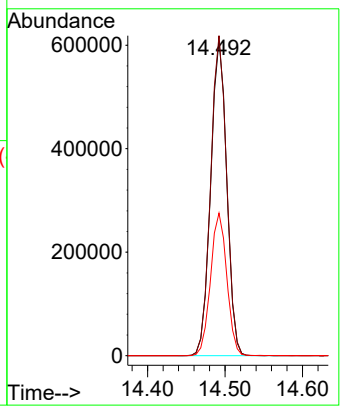


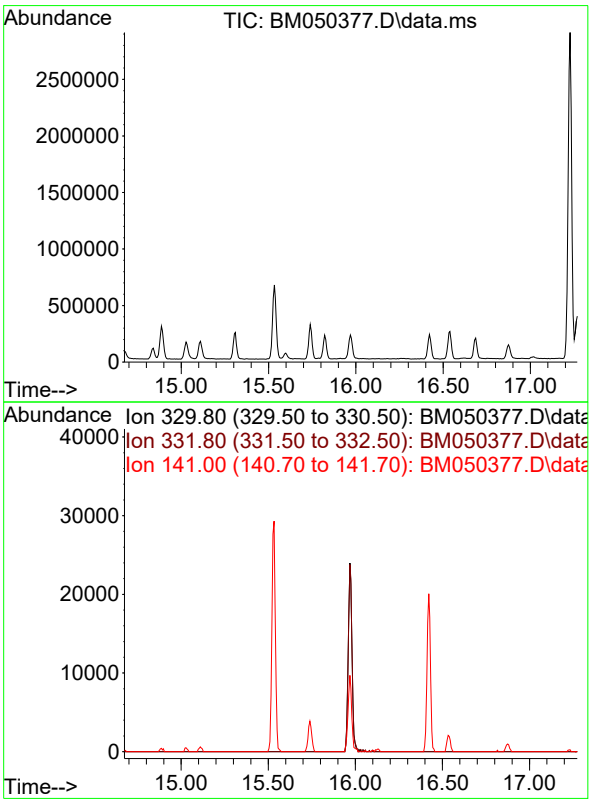

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:164 Resp: 874661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.5 | 79.9 | 119.9 |
| 160 | 45.2 | 36.2 | 54.4 |



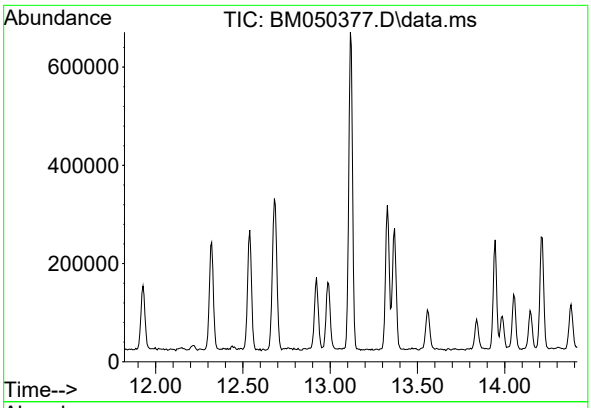




#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.97 min

Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

Tgt Ion: 330

| Sig | Exp Ratio |
|---|---|
| 330 | 100 |
| 332 | 96.1 |
| 141 | 34.2 |



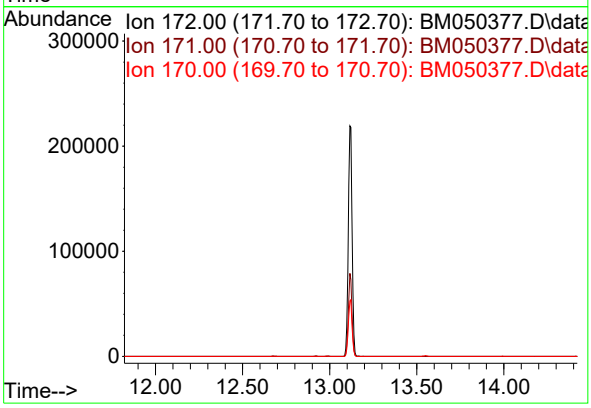

#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.12 min

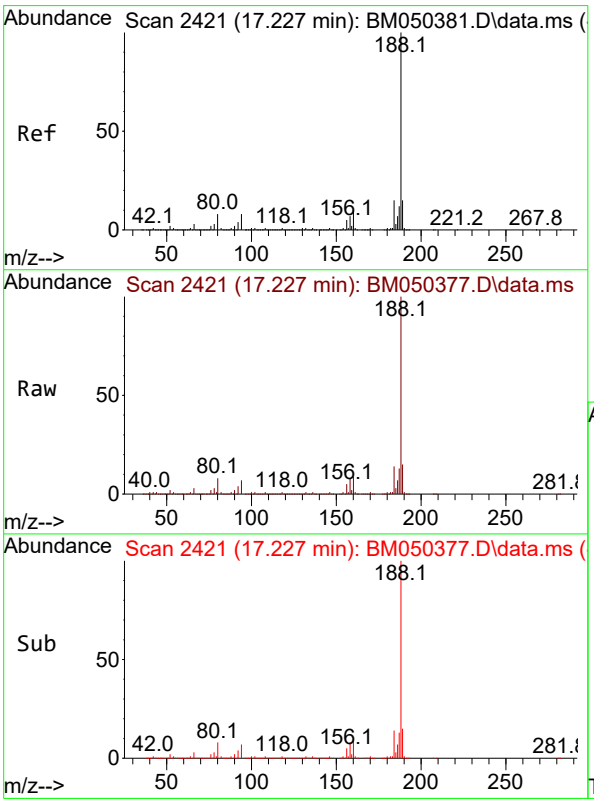
Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Tgt Ion: 172

| Sig | Exp Ratio |
|---|---|
| 172 | 100 |
| 171 | 34.6 |
| 170 | 23.5 |

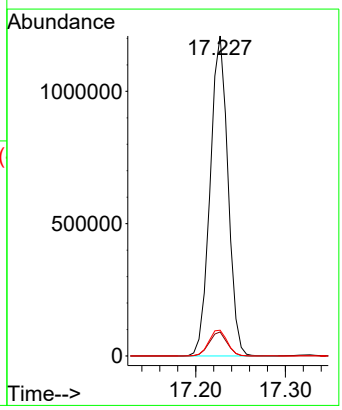


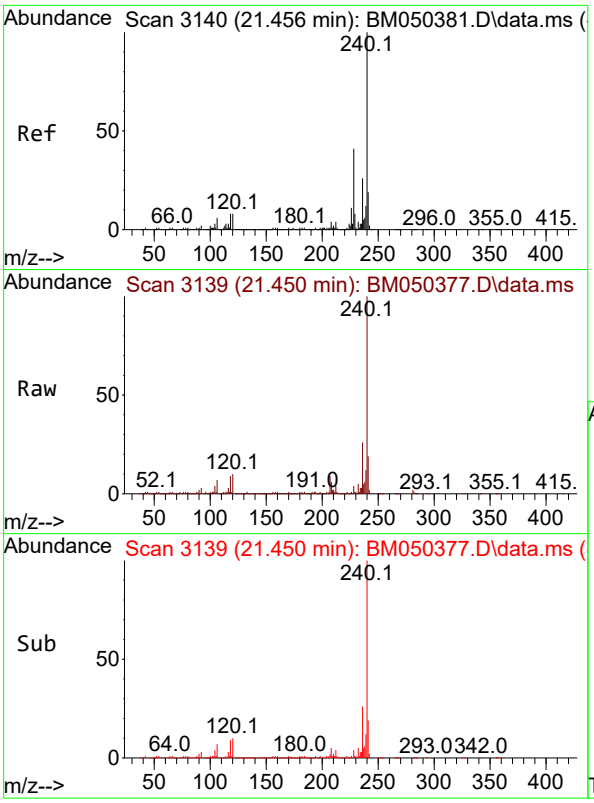




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

Tgt Ion:188 Resp: 1666049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.5 | 6.0 | 9.0 |
| 80 | 8.0 | 6.5 | 9.7 |



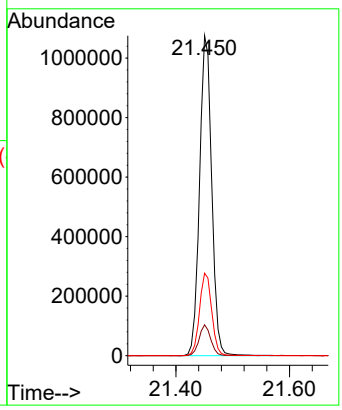


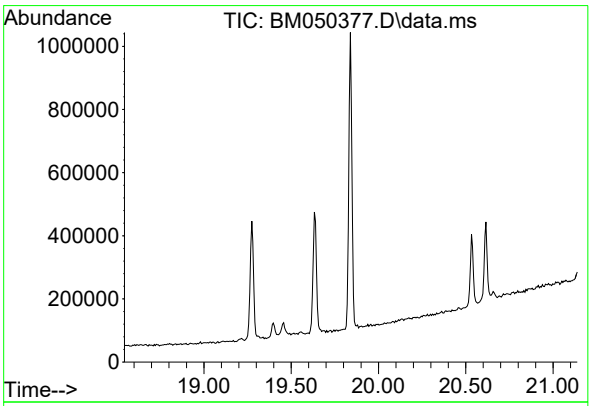

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:240 Resp: 1594000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.6 | 6.7 | 10.1 |
| 236 | 25.8 | 20.7 | 31.1 |



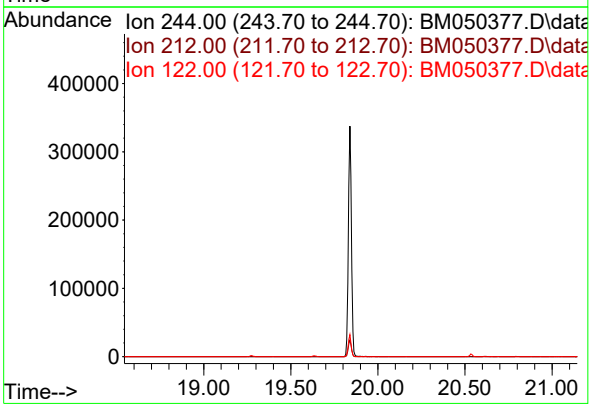



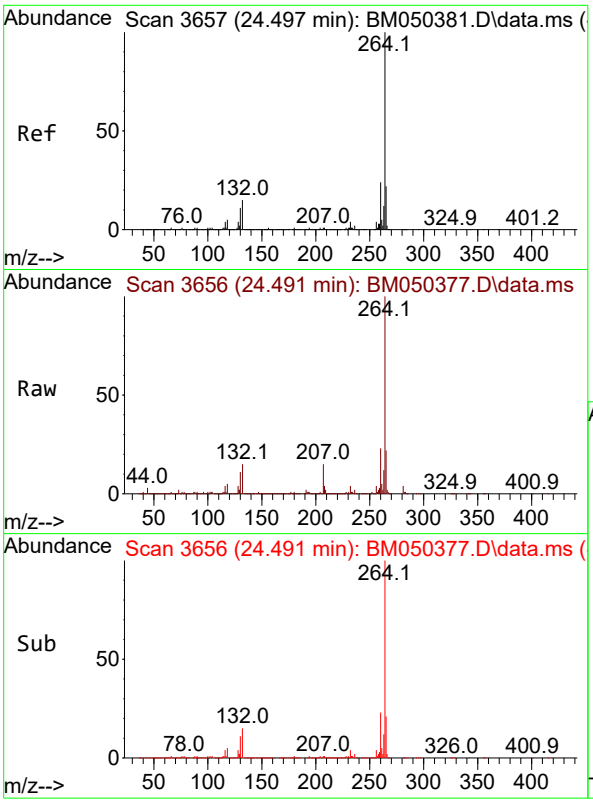

#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.84 min

Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

Tgt Ion: 244

| Sig | Exp Ratio |
|---|---|
| 244 | 100 |
| 212 | 7.1 |
| 122 | 7.7 |



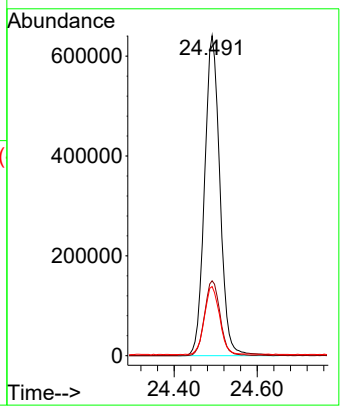



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.491 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:264 Resp: 1645810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 19.2 | 28.8 |
| 265 | 21.6 | 17.8 | 26.6 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050378.D
Acq On : 08 Jul 2025 13:19
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Quant Time: Jul 08 18:19:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.869 | 152 | 332042 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.663 | 136 | 1221582 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.492 | 164 | 768894 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.227 | 188 | 1453955 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.450 | 240 | 1431554 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.491 | 264 | 1410719 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 186878 | 9.688 | ng | 0.00 |
| 7) Phenol-d6 | 7.016 | 99 | 226950 | 9.333 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.016 | 82 | 221107 | 9.234 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.968 | 330 | 69925 | 7.485 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.116 | 172 | 604282 | 9.705 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.839 | 244 | 783562 | 9.630 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.334 | 88 | 41862 | 5.278 | ng | 99 |
| 3) Pyridine | 3.734 | 79 | 103718 | 4.981 | ng | 94 |
| 6) Aniline | 7.187 | 93 | 148080 | 4.745 | ng | 99 |
| 8) 2-Chlorophenol | 7.428 | 128 | 94226 | 4.632 | ng | 98 |
| 10) Phenol | 7.045 | 94 | 121196 | 4.778 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 7.281 | 93 | 99772 | 4.912 | ng | 97 |
| 12) 1,3-Dichlorobenzene | 7.757 | 146 | 124875 | 5.049 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 7.898 | 146 | 128887 | 5.103 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 8.216 | 146 | 122972 | 5.086 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.392 | 45 | 152357 | 5.092 | ng | 99 |
| 17) 2-Methylphenol | 8.298 | 107 | 76571 | 4.655 | ng | 97 |
| 18) Hexachloroethane | 8.951 | 117 | 42990 | 4.840 | ng | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.663 | 70 | 66842 | 4.537 | ng | 96 |
| 22) Acetophenone | 8.681 | 105 | 150473 | 4.927 | ng # | 98 |
| 24) Nitrobenzene | 9.057 | 77 | 101661 | 4.758 | ng | 97 |
| 25) Isophorone | 9.586 | 82 | 174388 | 4.488 | ng | 99 |
| 26) 2-Nitrophenol | 9.769 | 139 | 32805 | 3.767 | ng | 91 |
| 27) 2,4-Dimethylphenol | 9.828 | 122 | 90013 | 4.858 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.069 | 93 | 124150 | 4.822 | ng | 97 |
| 29) 2,4-Dichlorophenol | 10.304 | 162 | 84485 | 4.438 | ng | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.522 | 180 | 112916 | 4.958 | ng | 98 |
| 31) Naphthalene | 10.710 | 128 | 315550 | 5.086 | ng | 99 |
| 33) 4-Chloroaniline | 10.810 | 127 | 121575 | 4.635 | ng | 98 |
| 34) Hexachlorobutadiene | 11.010 | 225 | 67689 | 4.870 | ng | 98 |
| 36) 4-Chloro-3-methylphenol | 11.927 | 107 | 78716 | 4.428 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.322 | 142 | 186482 | 4.760 | ng | 98 |
| 38) 1-Methylnaphthalene | 12.539 | 142 | 198866 | 4.796 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.686 | 216 | 113496 | 4.642 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.922 | 196 | 63524 | 4.221 | ng | 100 |
| 44) 2,4,5-Trichlorophenol | 12.992 | 196 | 68958 | 4.195 | ng | 98 |
| 46) 1,1'-Biphenyl | 13.327 | 154 | 281496 | 4.934 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.369 | 162 | 223672 | 4.918 | ng | 99 |
| 48) 2-Nitroaniline | 13.563 | 65 | 37953 | 3.738 | ng | 97 |
| 49) Acenaphthylene | 14.216 | 152 | 316292 | 4.601 | ng | 98 |
| 50) Dimethylphthalate | 13.945 | 163 | 254362 | 4.805 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.057 | 165 | 37711 | 3.710 | ng | 88 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050378.D
Acq On : 08 Jul 2025 13:19
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Quant Time: Jul 08 18:19:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 52) Acenaphthene | 14.557 | 154 | 208840 | 4.779 ng | | 97 |
| 53) 3-Nitroaniline | 14.380 | 138 | 39220 | 3.628 ng | # | 85 |
| 55) Dibenzofuran | 14.886 | 168 | 335867 | 4.988 ng | | 99 |
| 57) 2,4-Dinitrotoluene | 14.839 | 165 | 44983 | 5.513 ng | # | 87 |
| 58) Fluorene | 15.533 | 166 | 259083 | 4.671 ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.110 | 232 | 57532 | 4.158 ng | | 95 |
| 60) Diethylphthalate | 15.310 | 149 | 233863 | 4.625 ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.533 | 204 | 132153 | 4.557 ng | | 94 |
| 62) 4-Nitroaniline | 15.533 | 138 | 36922 | 5.398 ng | | 80 |
| 63) Azobenzene | 15.821 | 77 | 208493 | 4.490 ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.739 | 169 | 207747 | 4.566 ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.421 | 248 | 71279 | 4.450 ng | | 92 |
| 68) Hexachlorobenzene | 16.539 | 284 | 86781 | 4.587 ng | | 99 |
| 69) Atrazine | 16.686 | 200 | 60444 | 4.046 ng | | 97 |
| 71) Phenanthrene | 17.268 | 178 | 406647 | 4.943 ng | | 99 |
| 72) Anthracene | 17.357 | 178 | 373674 | 4.563 ng | | 99 |
| 73) Carbazole | 17.621 | 167 | 341196 | 4.605 ng | | 99 |
| 74) Di-n-butylphthalate | 18.198 | 149 | 346654 | 4.274 ng | | 99 |
| 75) Fluoranthene | 19.274 | 202 | 395390 | 4.421 ng | | 98 |
| 78) Pyrene | 19.633 | 202 | 428758 | 4.676 ng | | 100 |
| 80) Butylbenzylphthalate | 20.533 | 149 | 113580 | 3.757 ng | | 94 |
| 81) Benzo(a)anthracene | 21.433 | 228 | 430980 | 4.620 ng | | 100 |
| 83) Chrysene | 21.497 | 228 | 415885 | 4.727 ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.368 | 149 | 178701 | 3.724 ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 27.921 | 276 | 426152 | 4.249 ng | | 95 |
| 88) Benzo(b)fluoranthene | 23.527 | 252 | 384470 | 4.431 ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.591 | 252 | 389878 | 4.330 ng | # | 97 |
| 90) Benzo(a)pyrene | 24.344 | 252 | 339308 | 4.177 ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 27.991 | 278 | 360576 | 4.269 ng | | 98 |
| 92) Benzo(g,h,i)perylene | 28.985 | 276 | 349804 | 4.382 ng | | 97 |

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

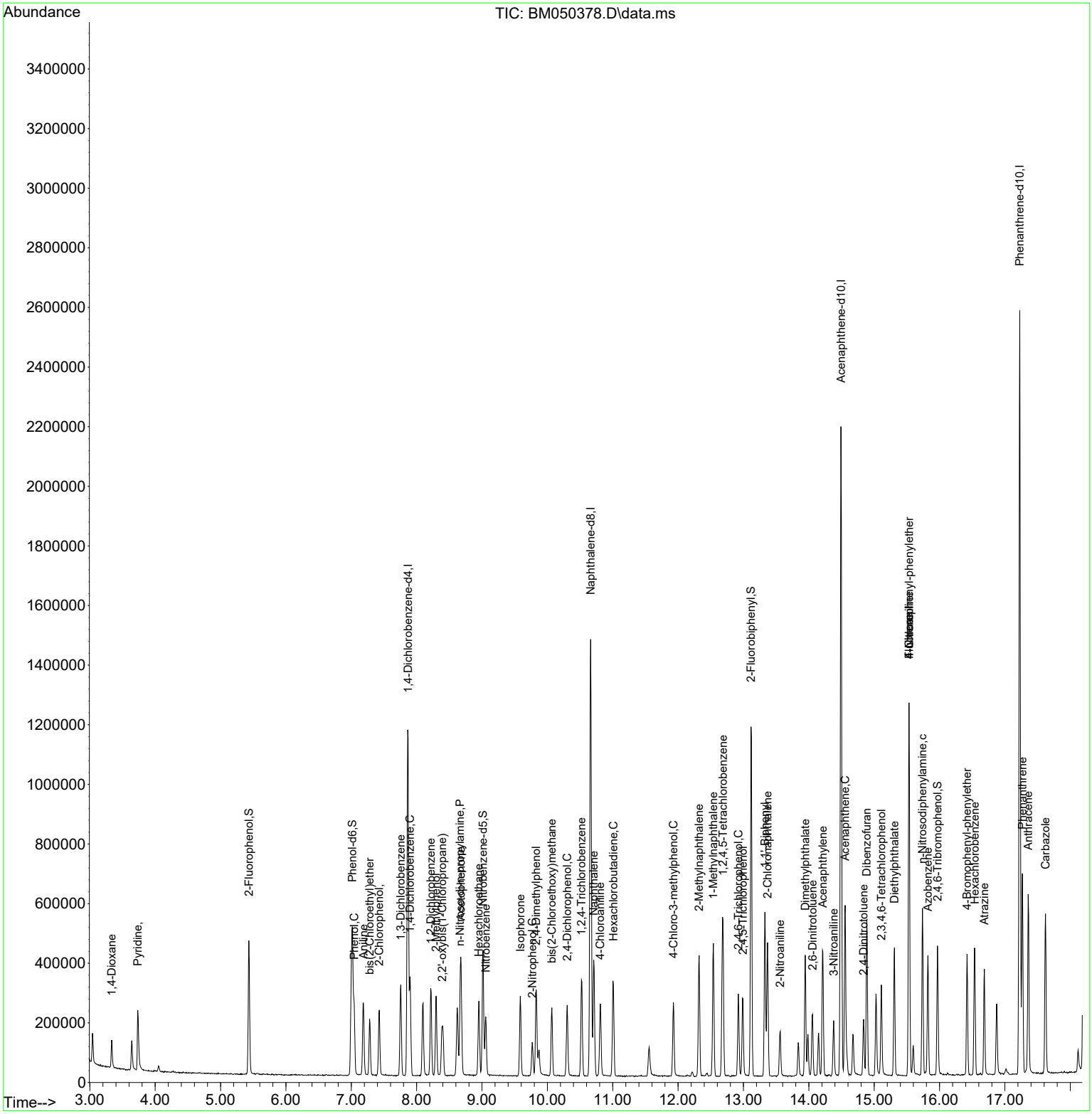
Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050378.D
Acq On : 08 Jul 2025 13:19
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Quant Time: Jul 08 18:19:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



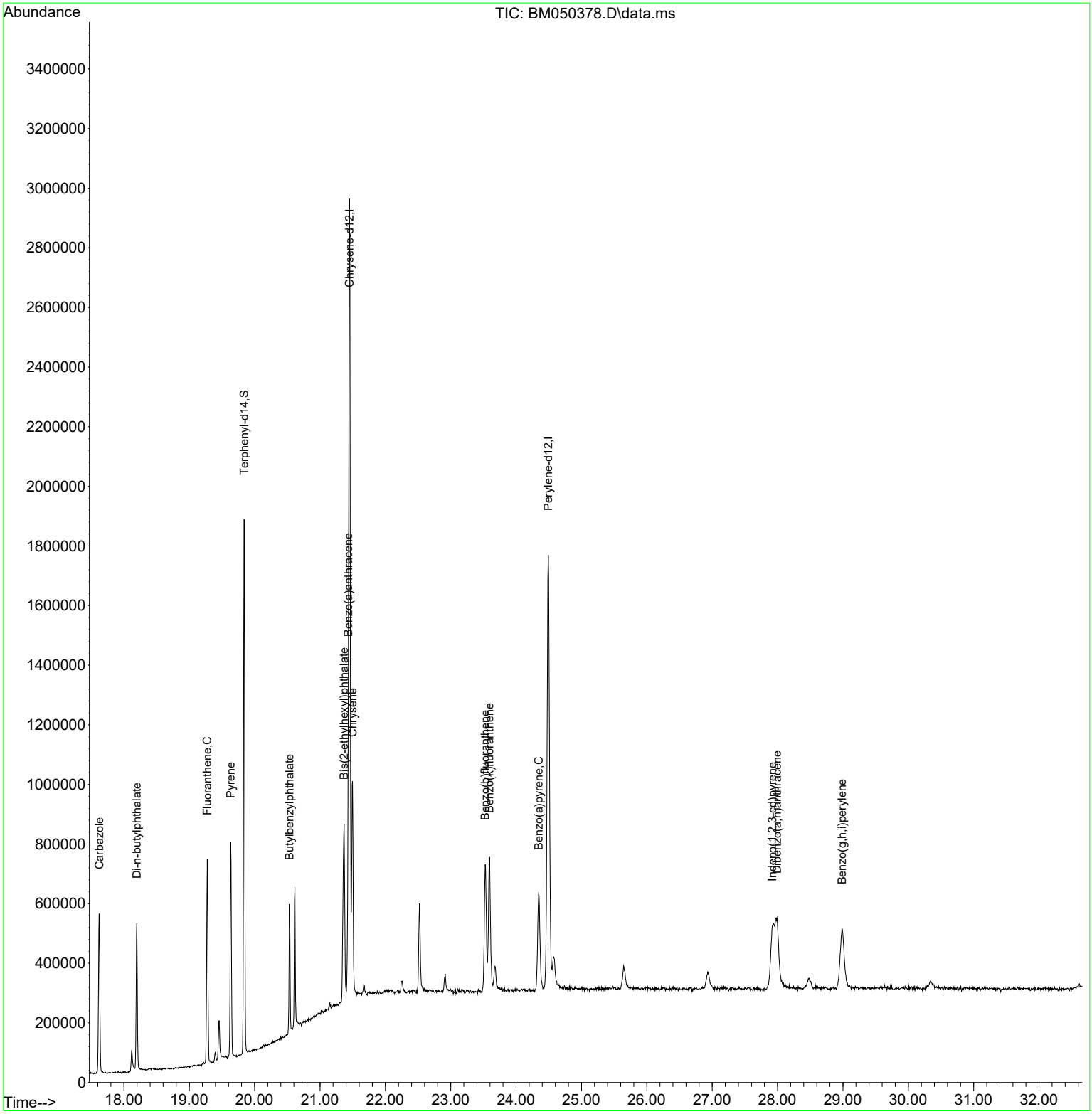
Quantitation Report (QT Reviewed)

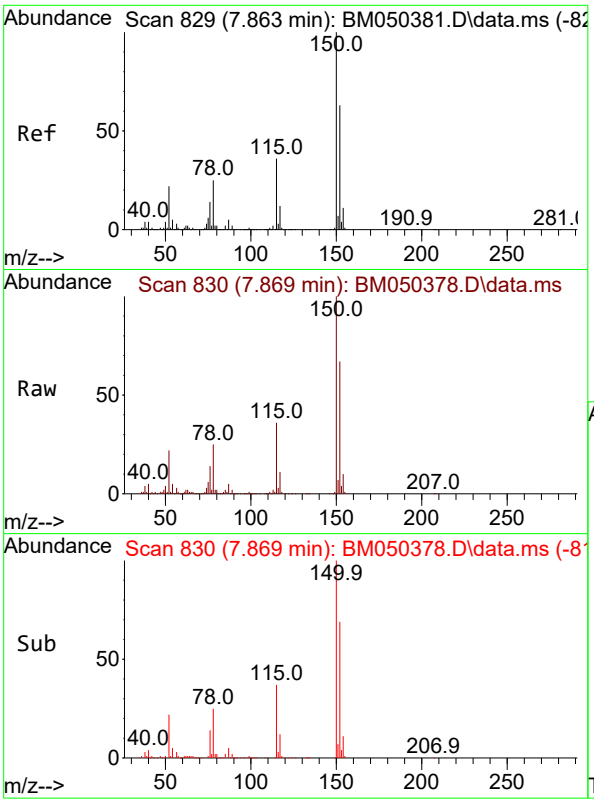
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050378.D
Acq On : 08 Jul 2025 13:19
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Quant Time: Jul 08 18:19:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



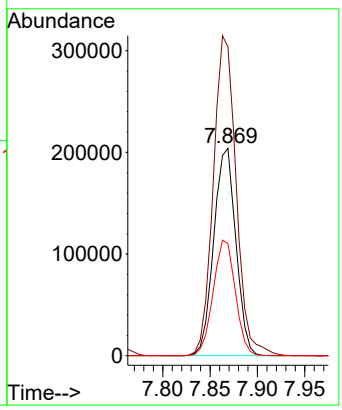


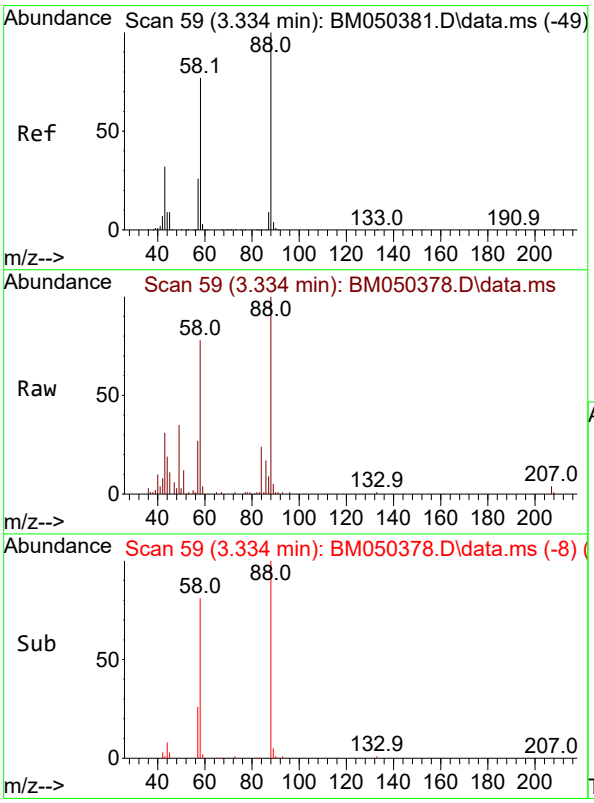

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.869 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:152 Resp: 332042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 148.8 | 126.2 | 189.4 |
| 115 | 54.1 | 45.8 | 68.8 |

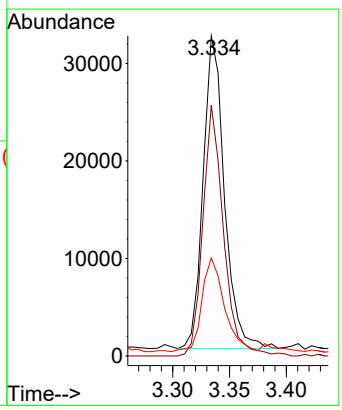


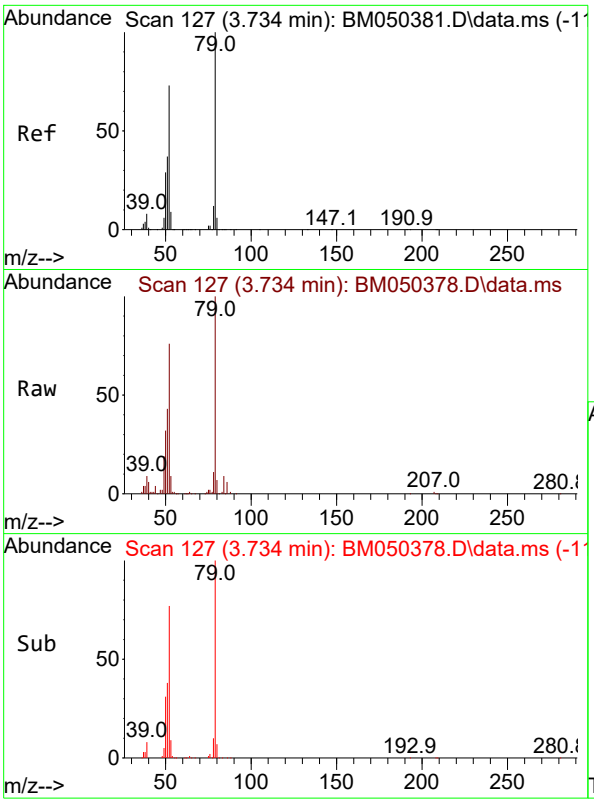




#2
1,4-Dioxane
Concen: 5.278 ng
RT: 3.334 min Scan# 59
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion: 88 Resp: 41862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 77.6 | 61.0 | 91.6 |
| 43 | 31.5 | 24.6 | 37.0 |



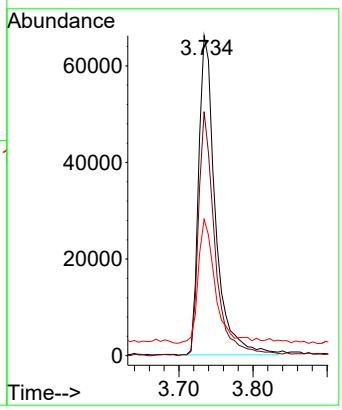


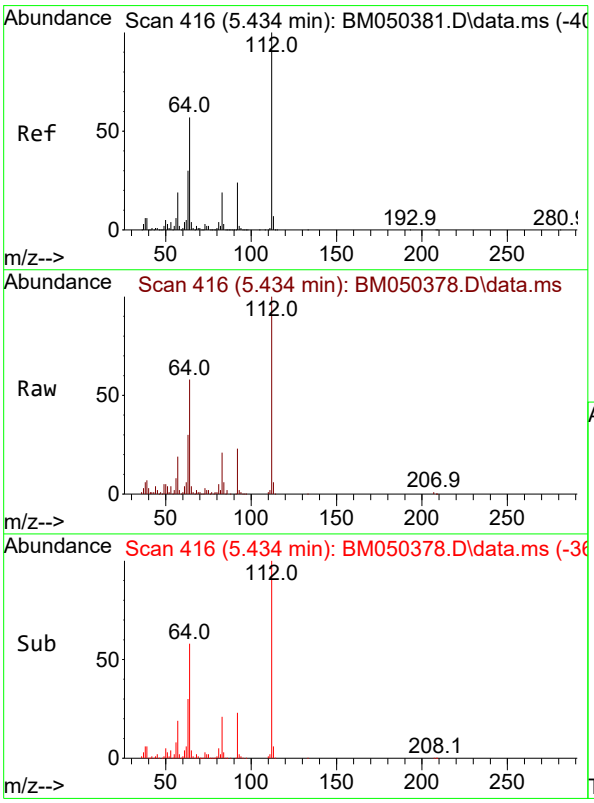

#3
Pyridine
Concen: 4.981 ng
RT: 3.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion: 79 Resp: 103718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 76.3 | 58.3 | 87.5 |
| 51 | 42.6 | 29.6 | 44.4 |

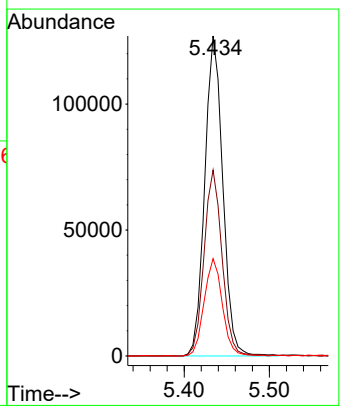


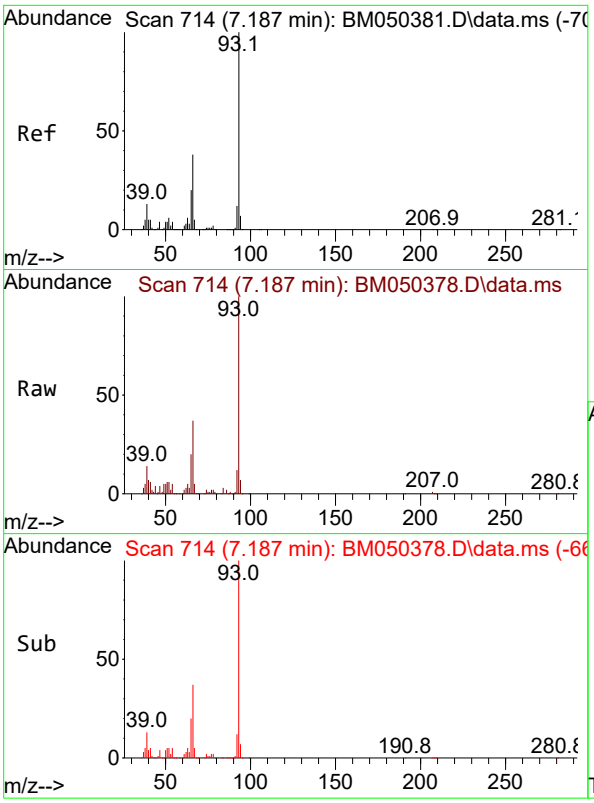




#5
2-Fluorophenol
Concen: 9.688 ng
RT: 5.434 min Scan# 416
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:112 Resp: 186878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.1 | 45.5 | 68.3 |
| 63 | 30.4 | 24.2 | 36.4 |



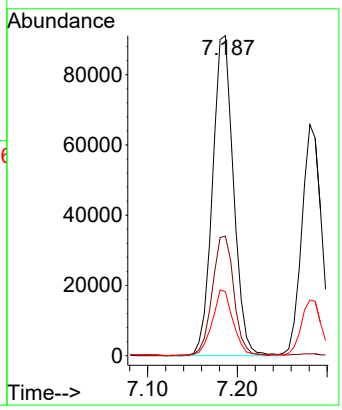


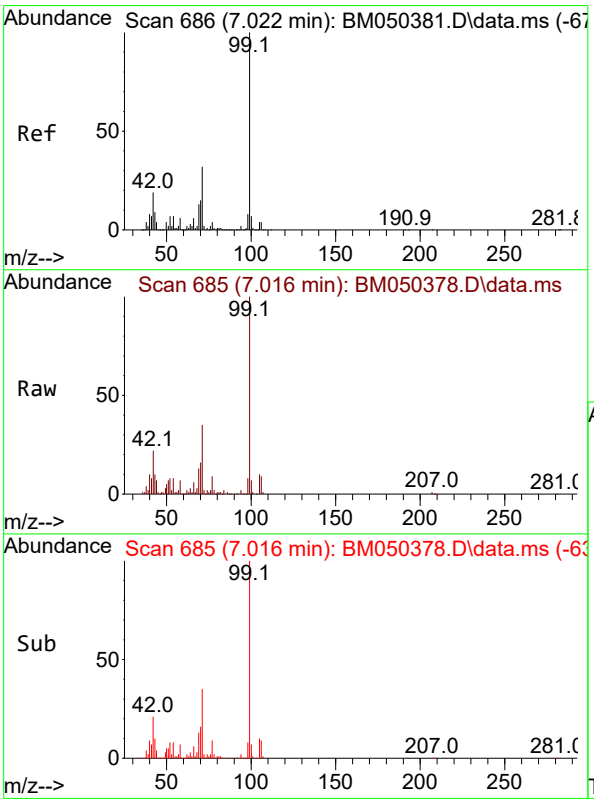

#6
Aniline
Concen: 4.745 ng
RT: 7.187 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion: 93 Resp: 148080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 37.4 | 30.5 | 45.7 |
| 65 | 20.0 | 15.9 | 23.9 |

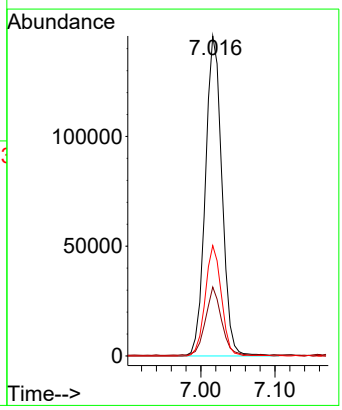


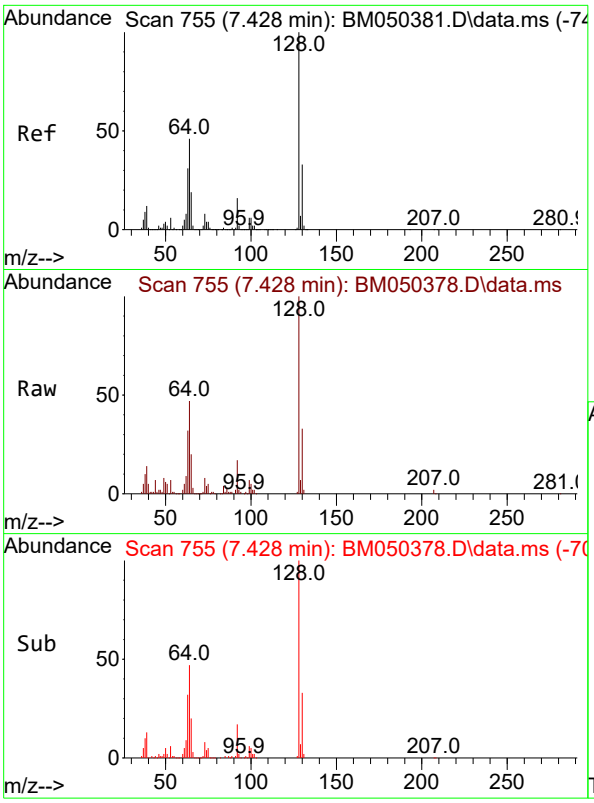




#7
Phenol-d6
Concen: 9.333 ng
RT: 7.016 min Scan# 685
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion: 99 Resp: 226950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.6 | 15.0 | 22.6 |
| 71 | 34.5 | 25.9 | 38.9 |



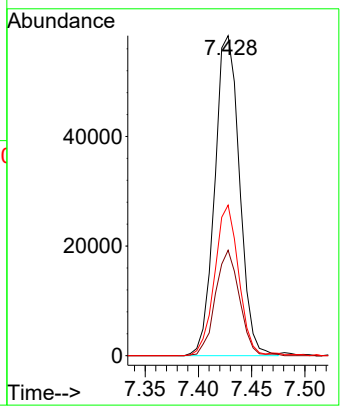


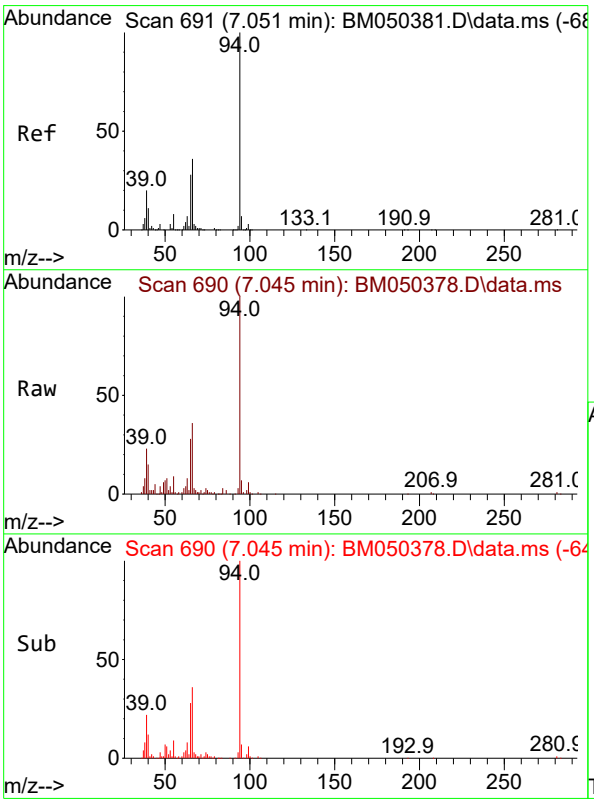

#8
2-Chlorophenol
Concen: 4.632 ng
RT: 7.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:128 Resp: 94226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.0 | 13.3 | 53.3 |
| 64 | 47.1 | 25.6 | 65.6 |

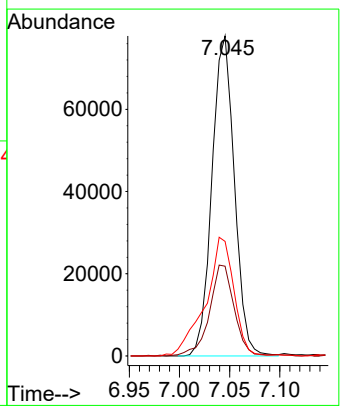


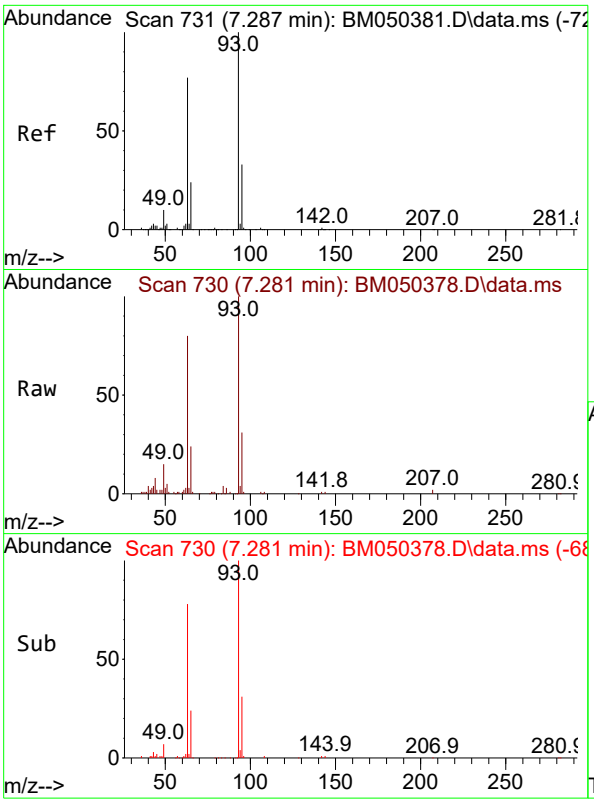




#10
Phenol
Concen: 4.778 ng
RT: 7.045 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion: 94 Resp: 121196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.0 | 8.1 | 48.1 |
| 66 | 35.8 | 15.8 | 55.8 |



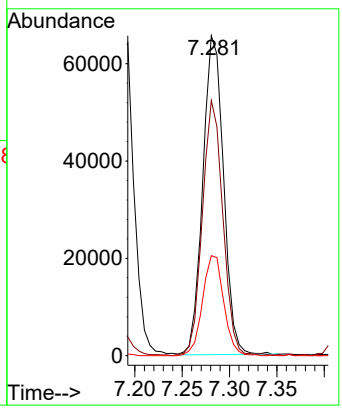


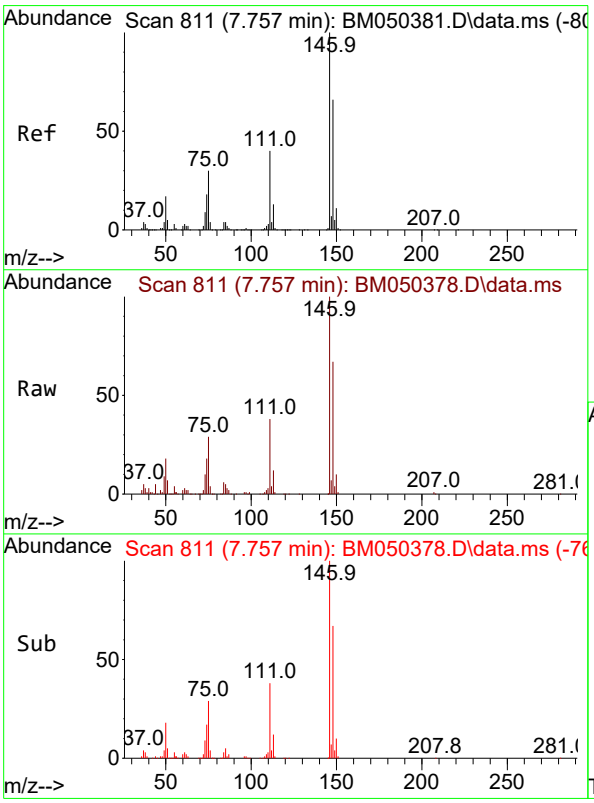

#11
bis(2-Chloroethyl)ether
Concen: 4.912 ng
RT: 7.281 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion: 93 Resp: 99772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 79.7 | 56.9 | 96.9 |
| 95 | 31.2 | 12.6 | 52.6 |

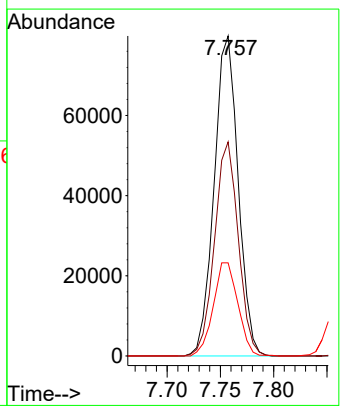


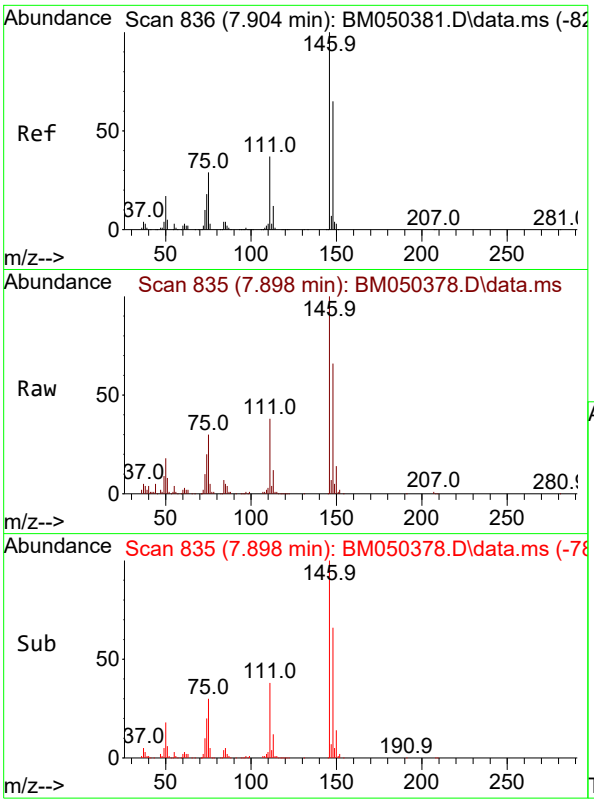




#12
1,3-Dichlorobenzene
Concen: 5.049 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:146 Resp: 124875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 66.9 | 53.2 | 79.8 |
| 75 | 29.1 | 23.9 | 35.9 |



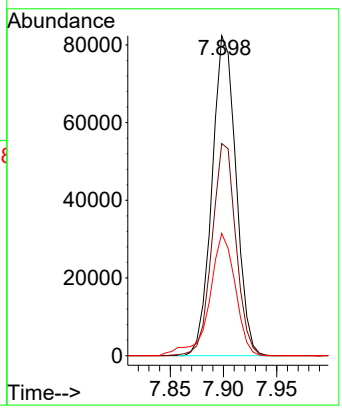


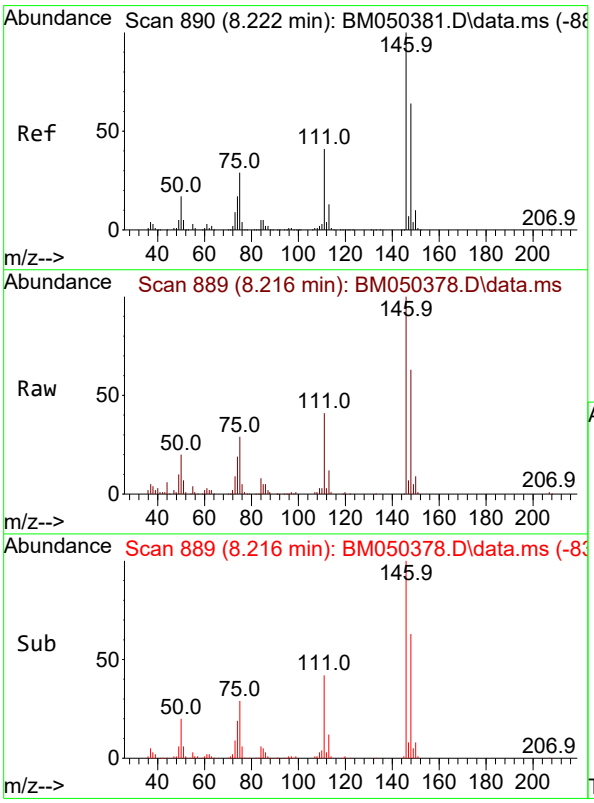

#13
1,4-Dichlorobenzene
Concen: 5.103 ng
RT: 7.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:146 Resp: 128887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 66.3 | 51.9 | 77.9 |
| 111 | 38.2 | 30.0 | 45.0 |

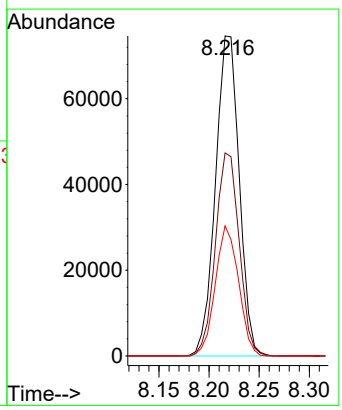


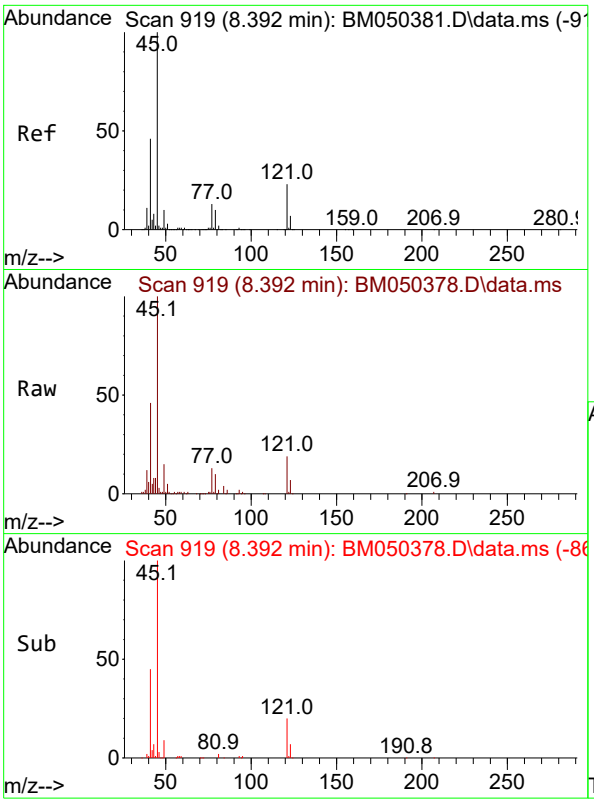




#14
1,2-Dichlorobenzene
Concen: 5.086 ng
RT: 8.216 min Scan# 889
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:146 Resp: 122972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.5 | 51.5 | 77.3 |
| 111 | 40.7 | 32.6 | 49.0 |



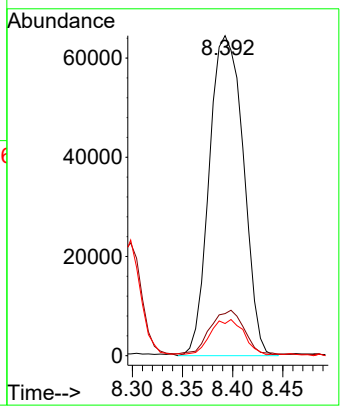


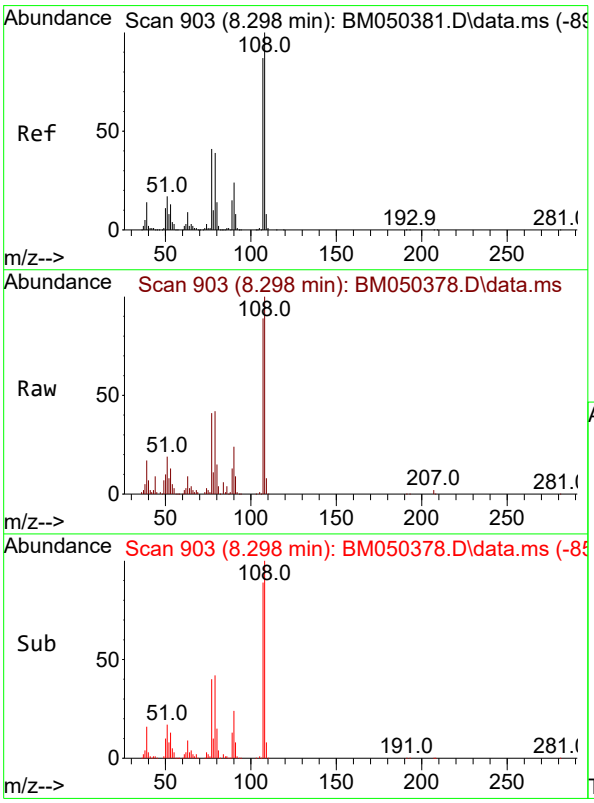

#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.092 ng
RT: 8.392 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion: 45 Resp: 152357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.1 | 0.0 | 33.5 |
| 79 | 10.1 | 0.0 | 30.3 |

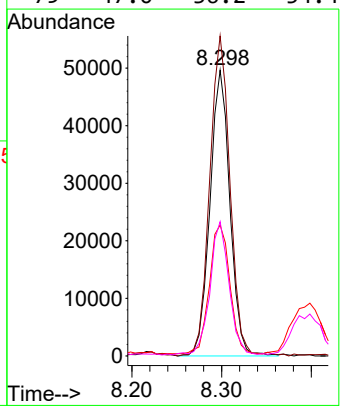


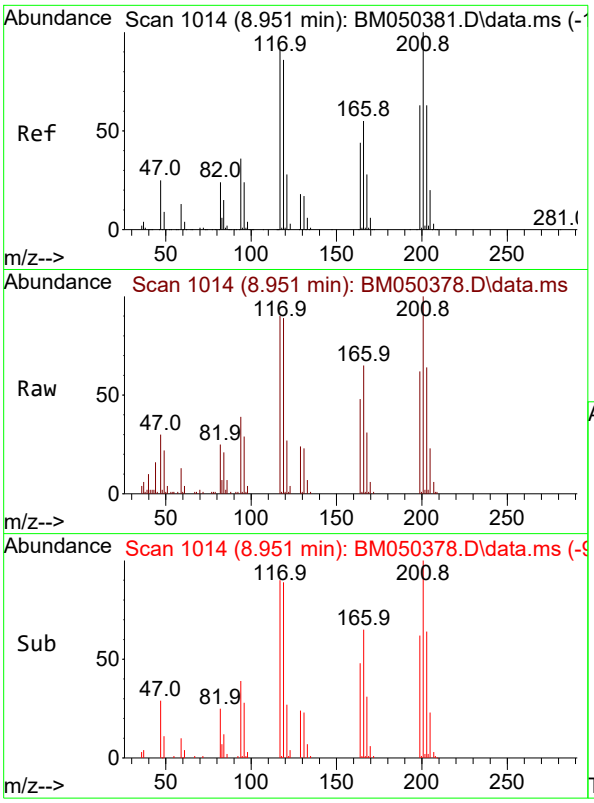




#17
2-Methylphenol
Concen: 4.655 ng
RT: 8.298 min Scan# 903
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:107 Resp: 76571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.0 | 92.1 | 138.1 |
| 77 | 45.8 | 38.2 | 57.4 |
| 79 | 47.0 | 36.2 | 54.4 |



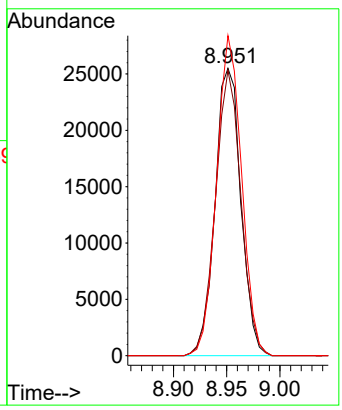


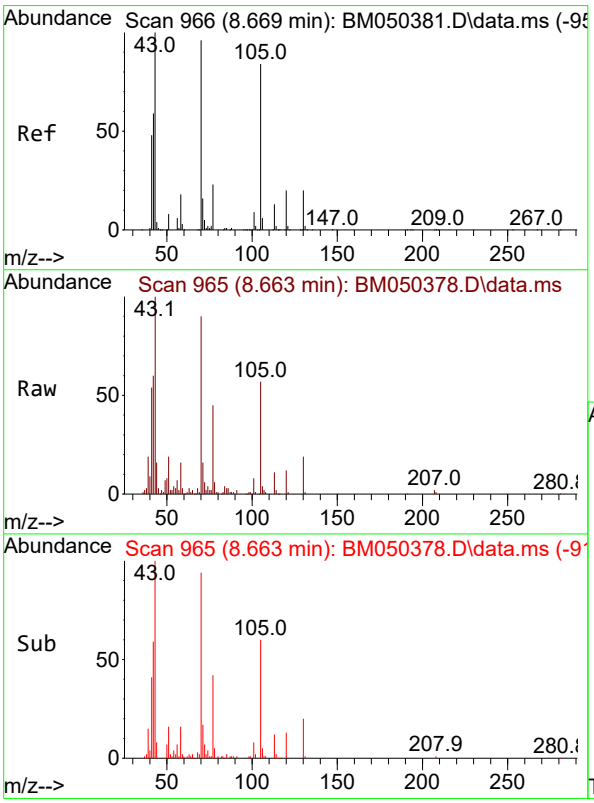

#18
Hexachloroethane
Concen: 4.840 ng
RT: 8.951 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:117 Resp: 42990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 99.2 | 75.6 | 113.4 |
| 201 | 111.4 | 87.9 | 131.9 |

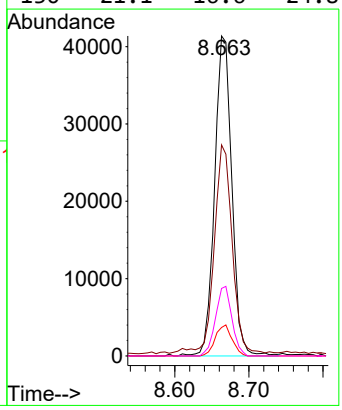


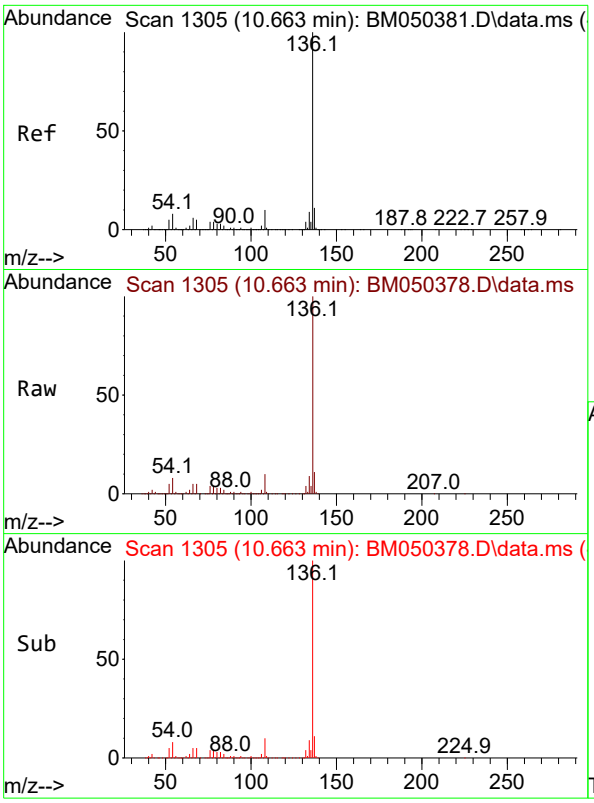




#19
n-Nitroso-di-n-propylamine
Concen: 4.537 ng
RT: 8.663 min Scan# 965
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion: 70 Resp: 66842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 66.0 | 49.7 | 74.5 |
| 101 | 8.9 | 7.7 | 11.5 |
| 130 | 21.1 | 16.6 | 24.8 |



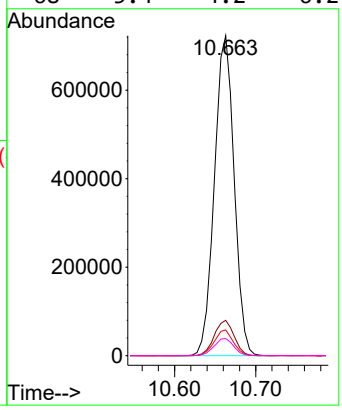


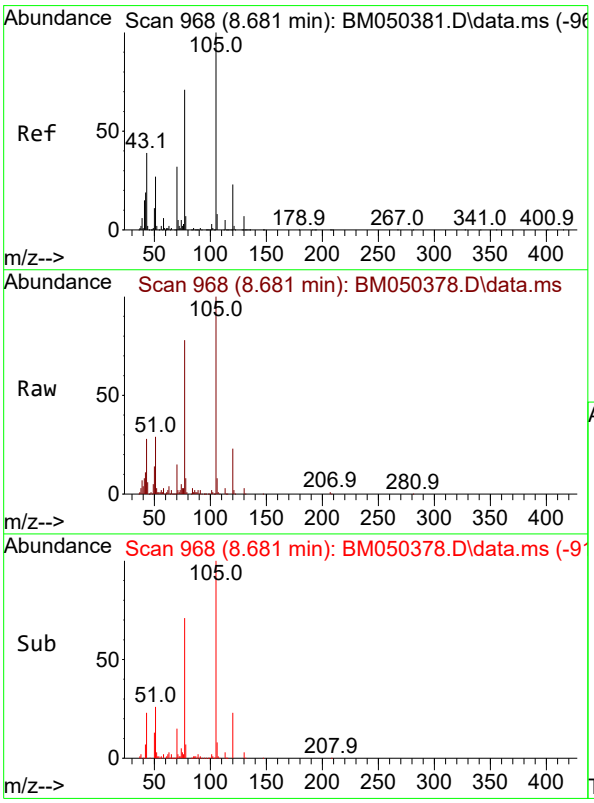

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:136 Resp: 1221582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.8 | 13.2 |
| 54 | 8.0 | 6.3 | 9.5 |
| 68 | 5.4 | 4.2 | 6.2 |

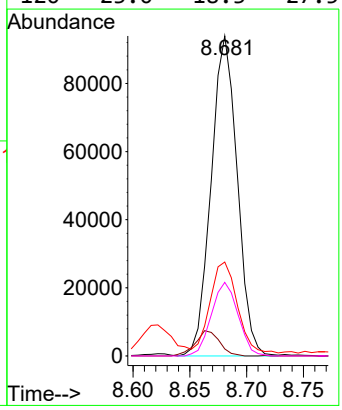


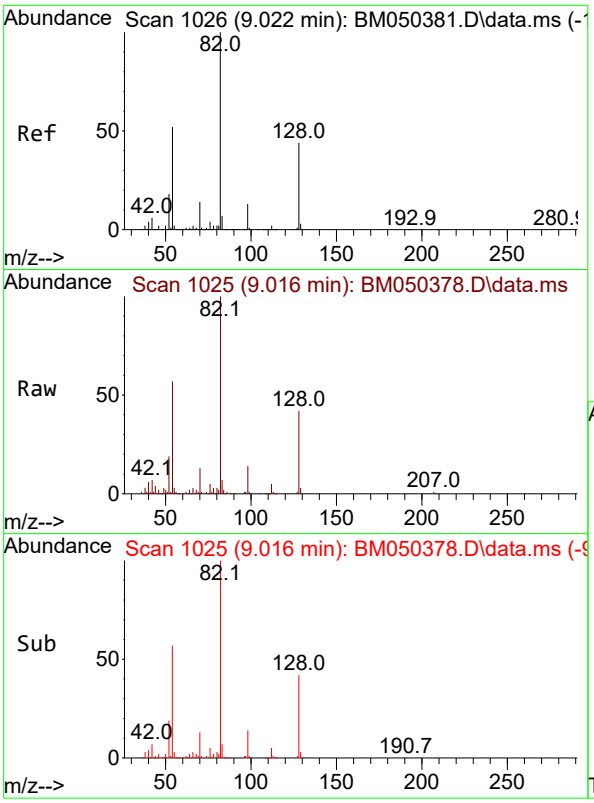




#22
Acetophenone
Concen: 4.927 ng
RT: 8.681 min Scan# 968
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:105 Resp: 150473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.2 | 4.4 | 6.6# |
| 51 | 29.3 | 23.0 | 34.6 |
| 120 | 23.0 | 18.3 | 27.5 |



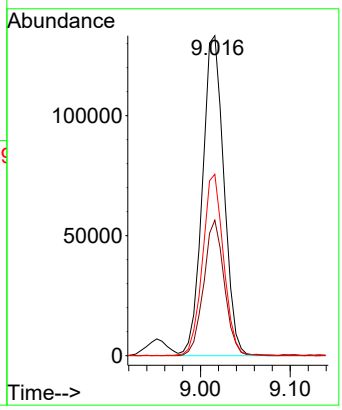


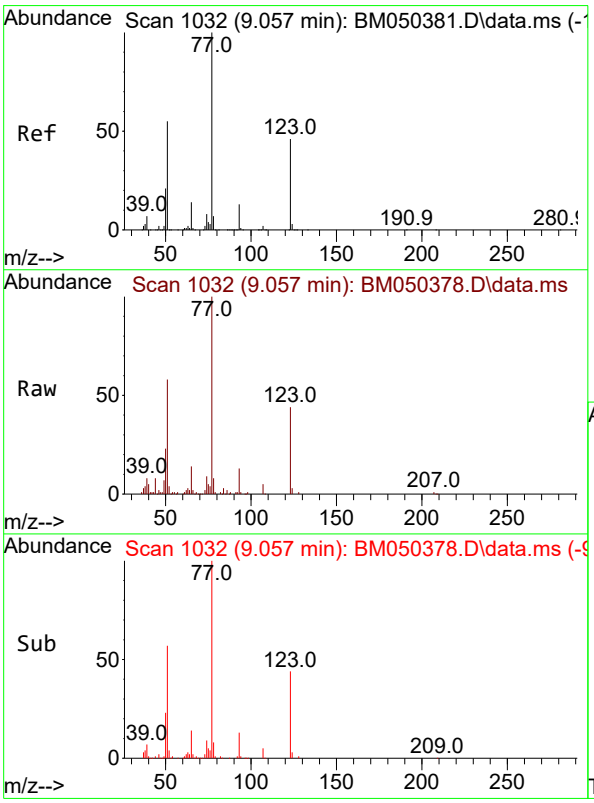

#23
Nitrobenzene-d5
Concen: 9.234 ng
RT: 9.016 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion: 82 Resp: 221107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.3 | 35.2 | 52.8 |
| 54 | 56.7 | 41.5 | 62.3 |

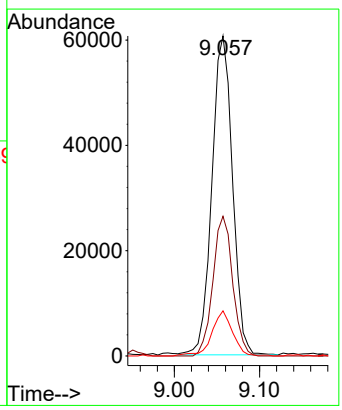


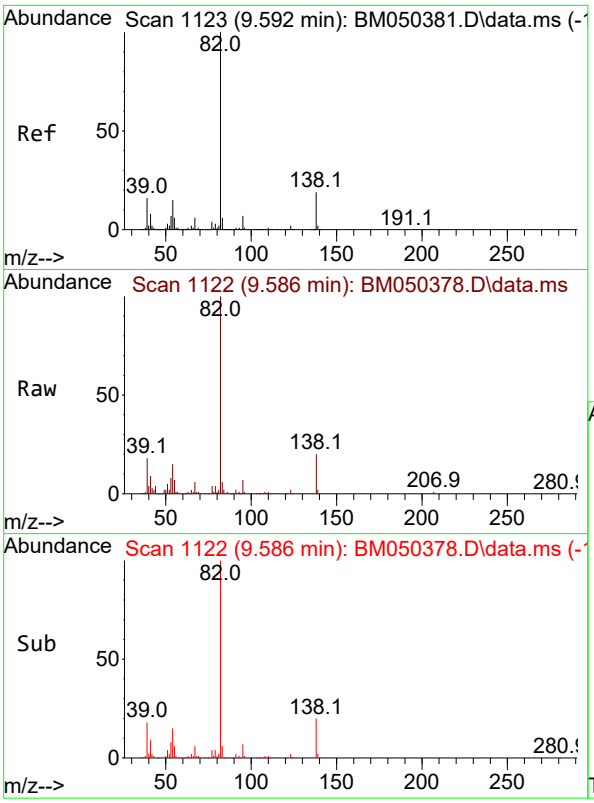




#24
Nitrobenzene
Concen: 4.758 ng
RT: 9.057 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion: 77 Resp: 101661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 43.7 | 37.0 | 55.6 |
| 65 | 14.1 | 11.0 | 16.4 |



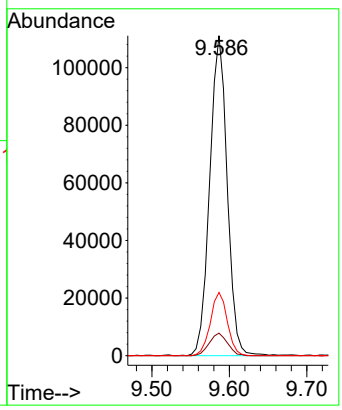


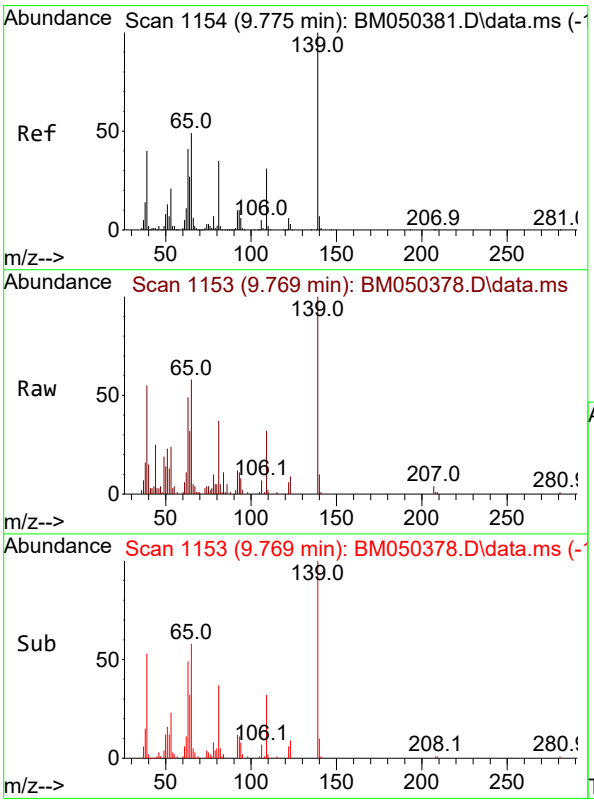

#25
Isophorone
Concen: 4.488 ng
RT: 9.586 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion: 82 Resp: 174388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.0 | 5.6 | 8.4 |
| 138 | 19.7 | 15.3 | 22.9 |

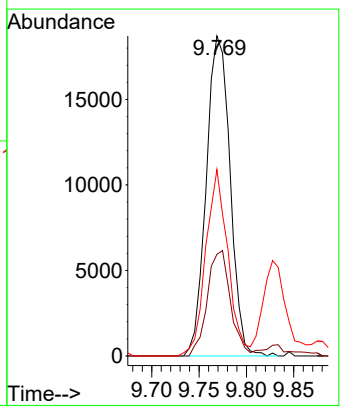


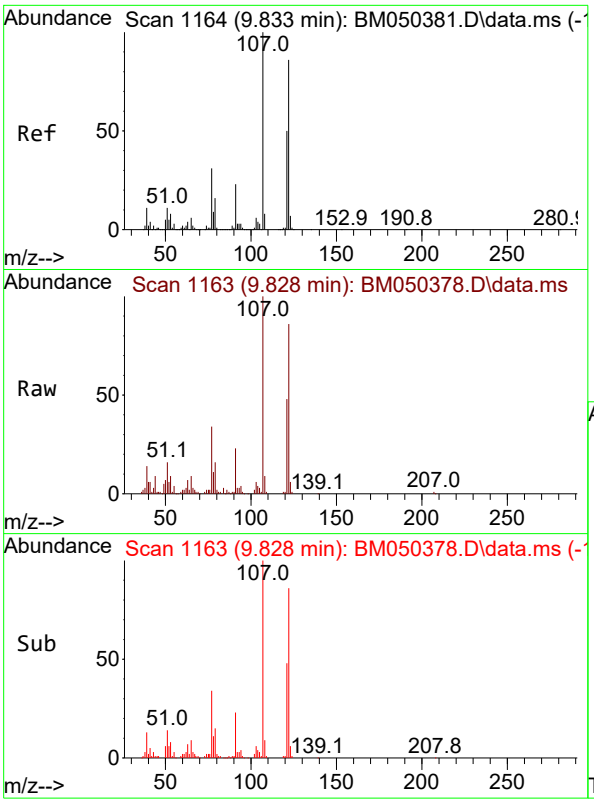




#26
2-Nitrophenol
Concen: 3.767 ng
RT: 9.769 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:139 Resp: 32805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.8 | 24.6 | 36.8 |
| 65 | 58.3 | 39.2 | 58.8 |



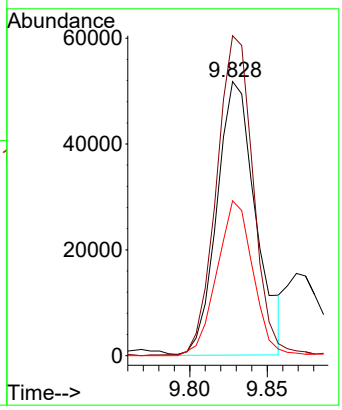


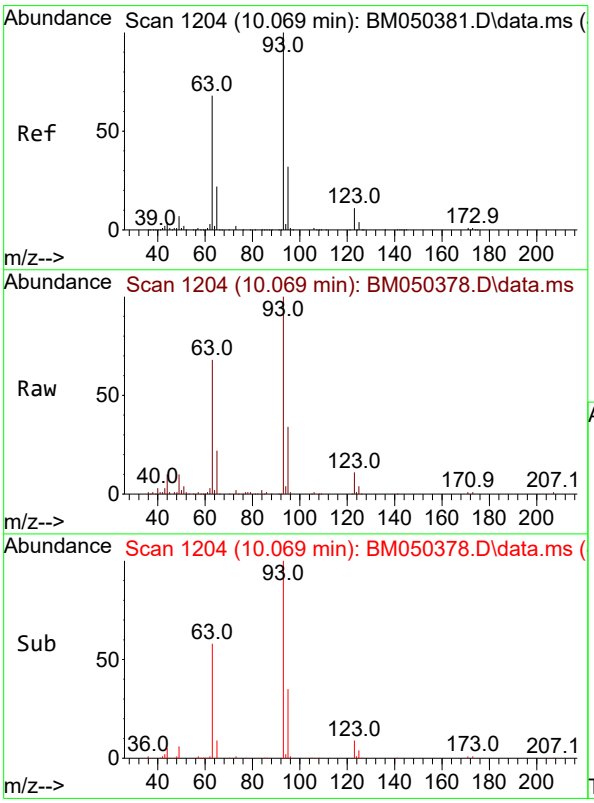

#27
2,4-Dimethylphenol
Concen: 4.858 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:122 Resp: 90013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 116.8 | 93.0 | 139.6 |
| 121 | 56.5 | 46.1 | 69.1 |

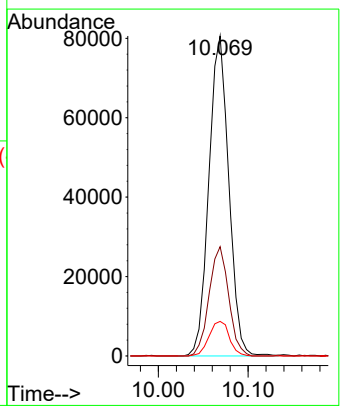


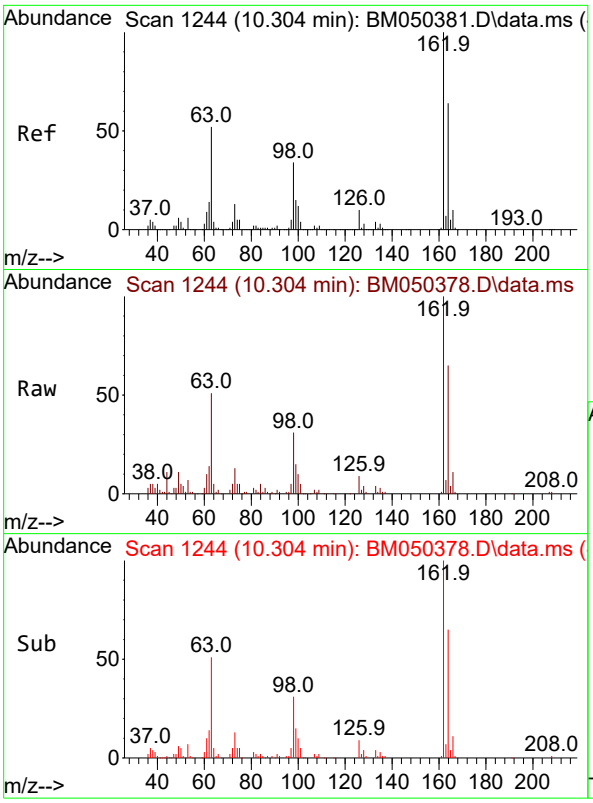




#28
bis(2-Chloroethoxy)methane
Concen: 4.822 ng
RT: 10.069 min Scan# 1204
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion: 93 Resp: 124150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 34.1 | 25.8 | 38.6 |
| 123 | 10.8 | 9.1 | 13.7 |



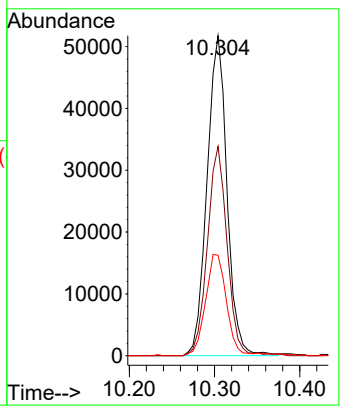


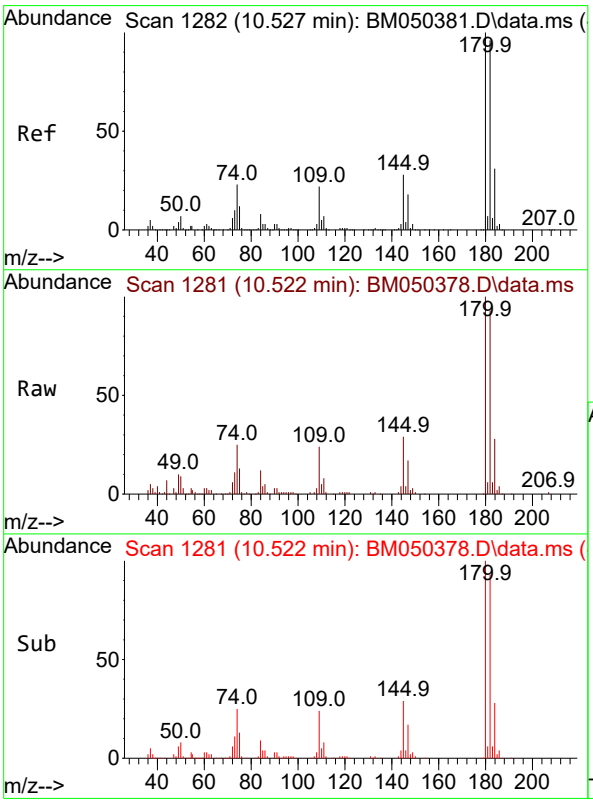

#29
2,4-Dichlorophenol
Concen: 4.438 ng
RT: 10.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:162 Resp: 84485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.4 | 43.7 | 83.7 |
| 98 | 31.4 | 13.7 | 53.7 |

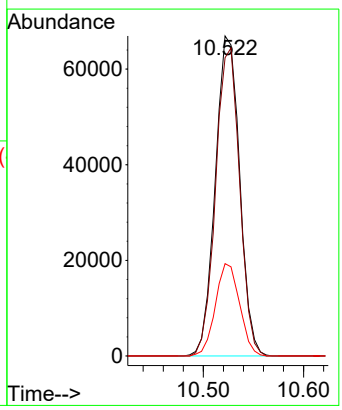


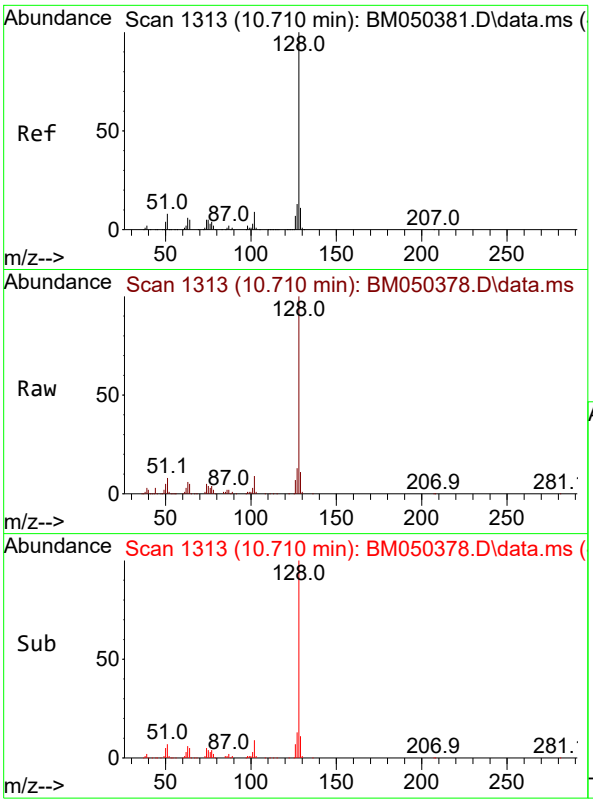




#30
1,2,4-Trichlorobenzene
Concen: 4.958 ng
RT: 10.522 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:180 Resp: 112916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.2 | 76.8 | 115.2 |
| 145 | 28.8 | 22.6 | 33.8 |



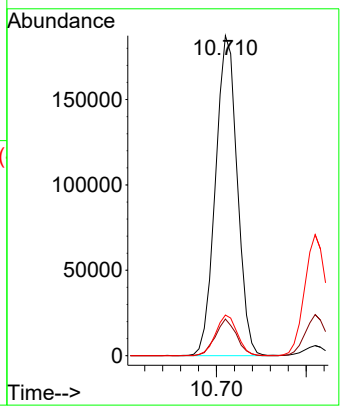


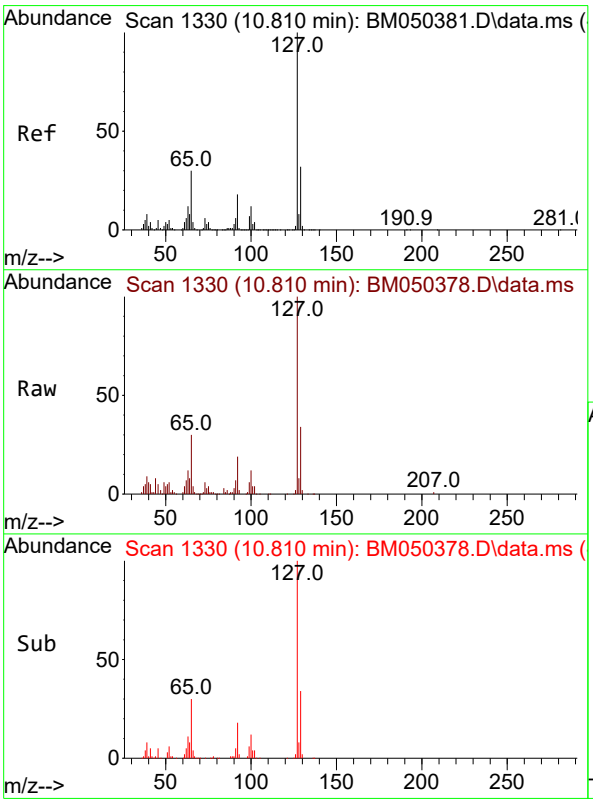

#31
Naphthalene
Concen: 5.086 ng
RT: 10.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:128 Resp: 315550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.5 | 8.8 | 13.2 |
| 127 | 12.7 | 10.4 | 15.6 |

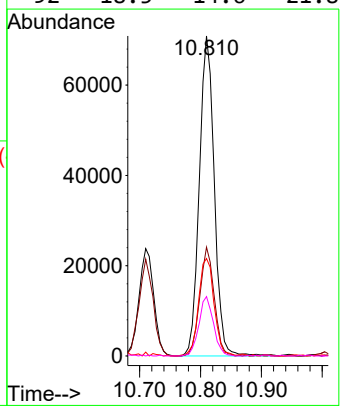


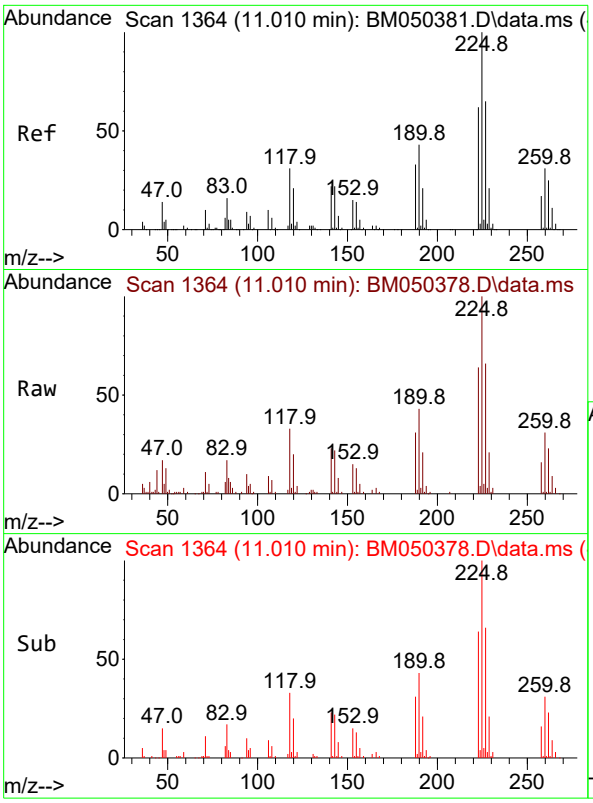




#33
4-Chloroaniline
Concen: 4.635 ng
RT: 10.810 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:127 Resp: 121575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 34.0 | 25.5 | 38.3 |
| 65 | 30.4 | 23.9 | 35.9 |
| 92 | 18.5 | 14.6 | 21.8 |



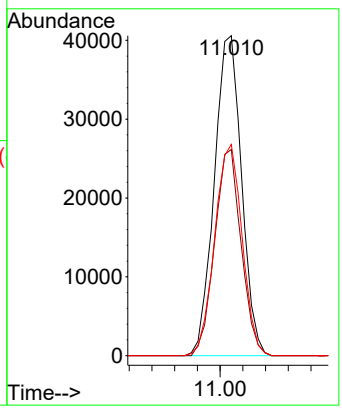


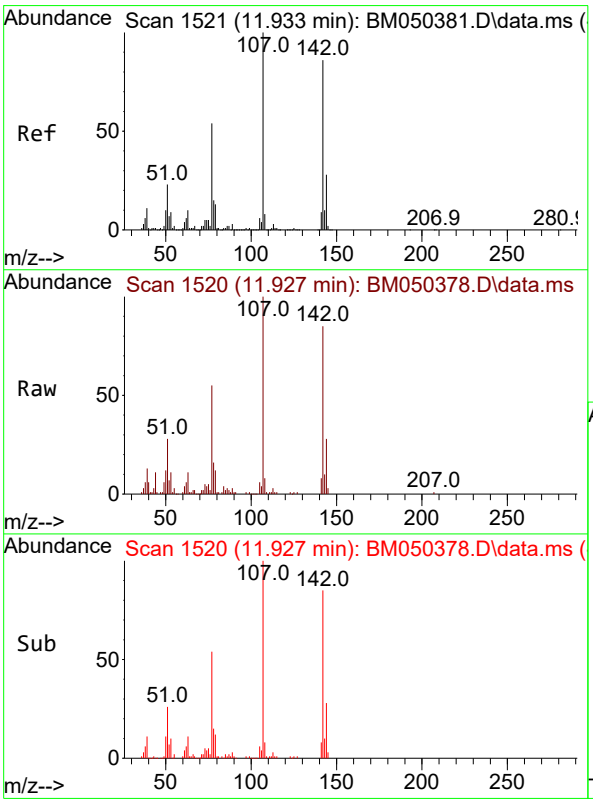

#34
Hexachlorobutadiene
Concen: 4.870 ng
RT: 11.010 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:225 Resp: 67689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.5 | 49.7 | 74.5 |
| 227 | 66.0 | 52.1 | 78.1 |

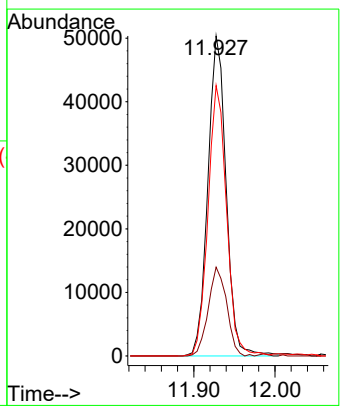


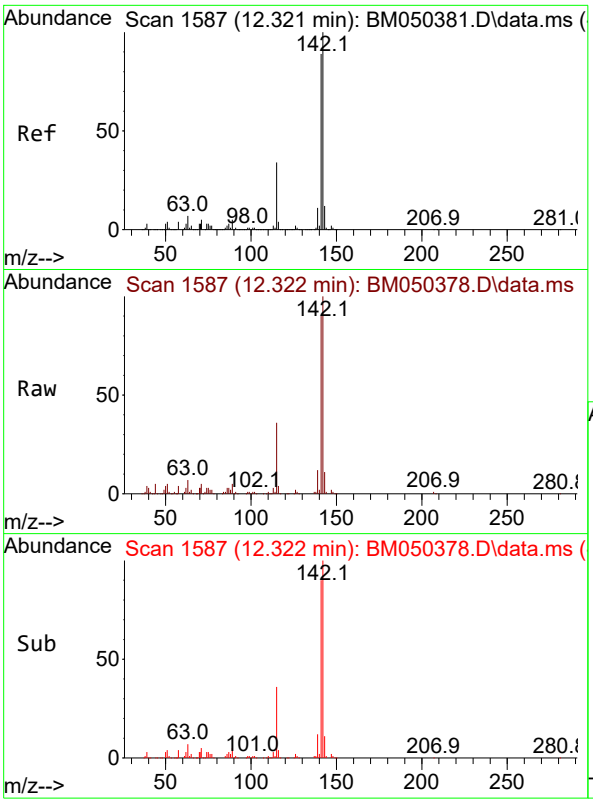




#36
4-Chloro-3-methylphenol
Concen: 4.428 ng
RT: 11.927 min Scan# 1520
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:107 Resp: 78716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 27.7 | 22.2 | 33.4 |
| 142 | 84.5 | 68.7 | 103.1 |



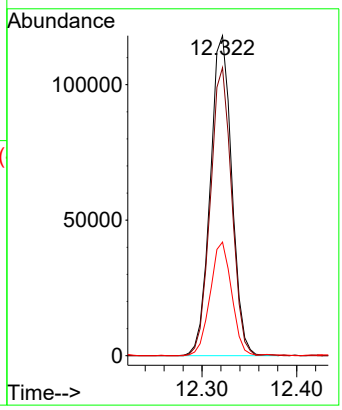


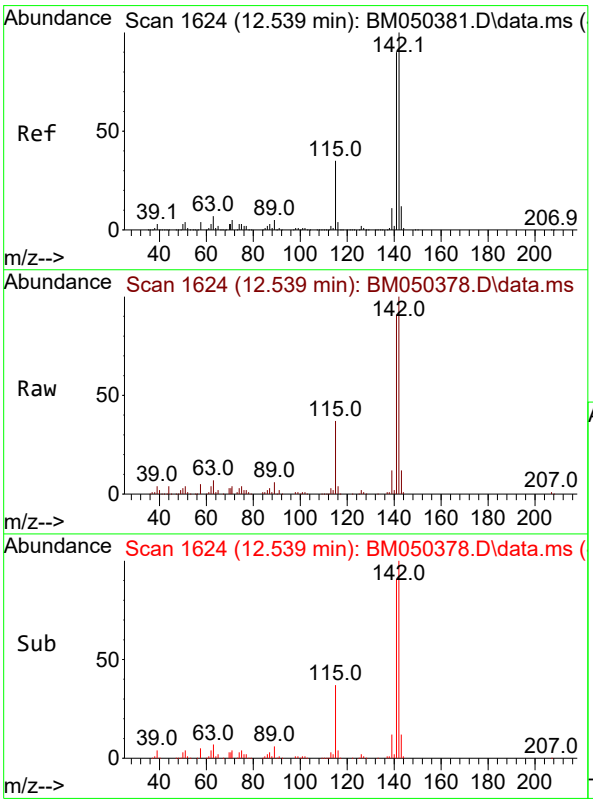

#37
2-Methylnaphthalene
Concen: 4.760 ng
RT: 12.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:142 Resp: 186482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.0 | 70.8 | 106.2 |
| 115 | 35.5 | 27.0 | 40.4 |

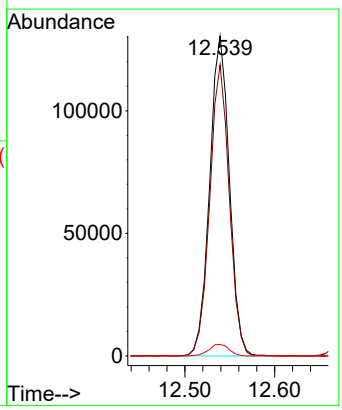


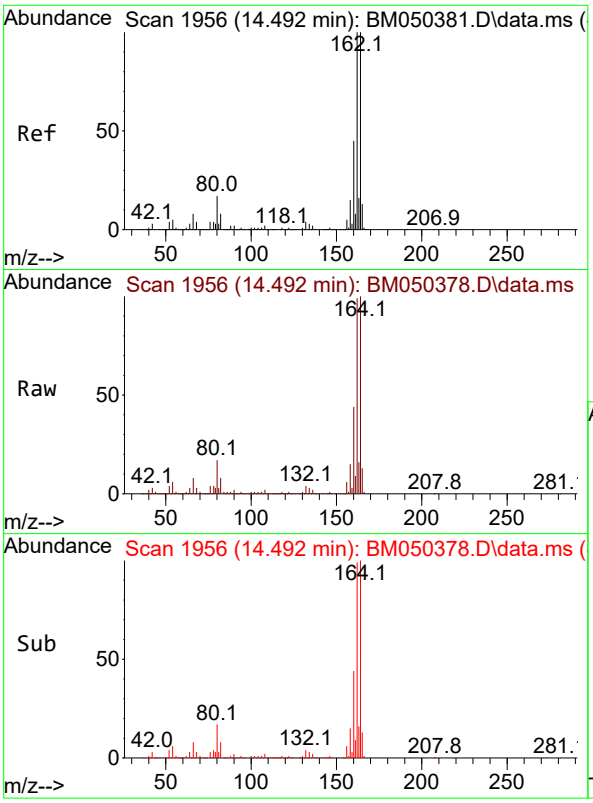




#38
1-Methylnaphthalene
Concen: 4.796 ng
RT: 12.539 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:142 Resp: 198866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.0 | 71.9 | 107.9 |
| 116 | 3.6 | 3.0 | 4.6 |



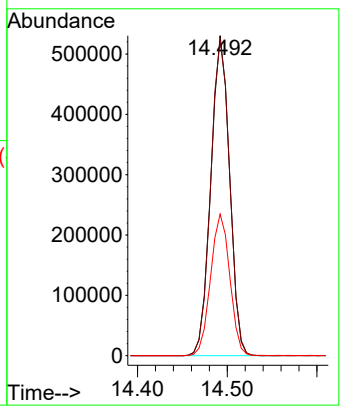


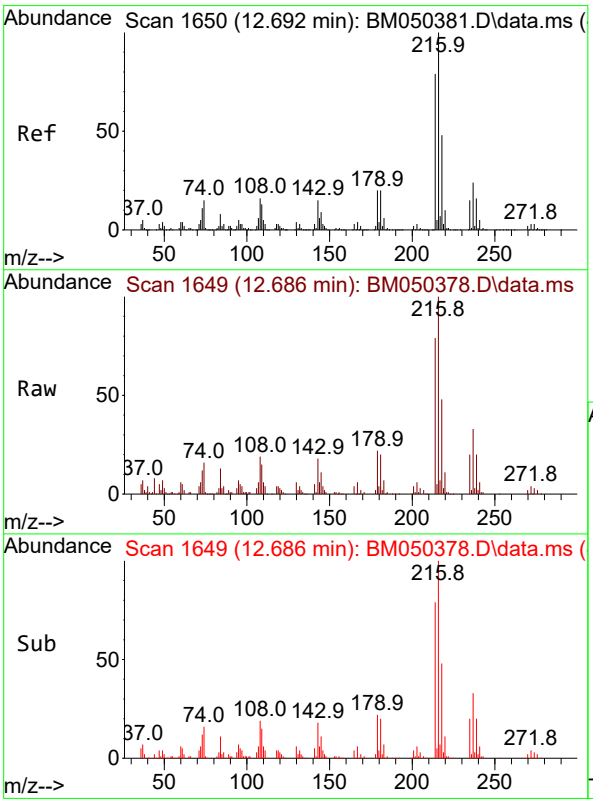

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:164 Resp: 768894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.7 | 79.9 | 119.9 |
| 160 | 44.3 | 36.2 | 54.4 |

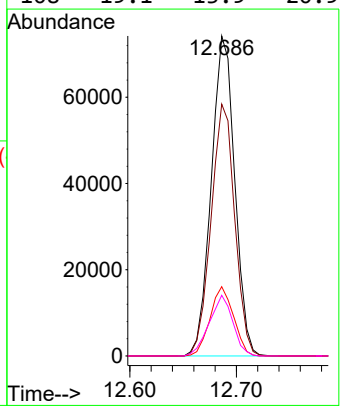


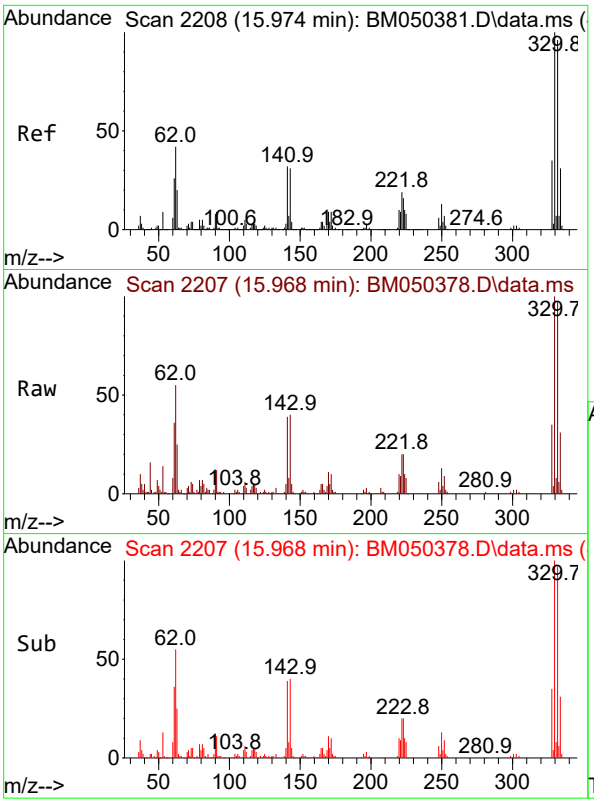




#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.642 ng
RT: 12.686 min Scan# 1649
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:216 Resp: 113496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.3 | 63.3 | 94.9 |
| 179 | 21.7 | 16.4 | 24.6 |
| 108 | 19.1 | 13.9 | 20.9 |



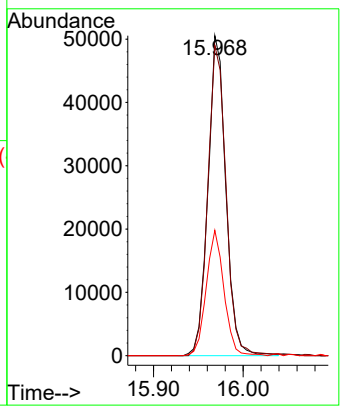


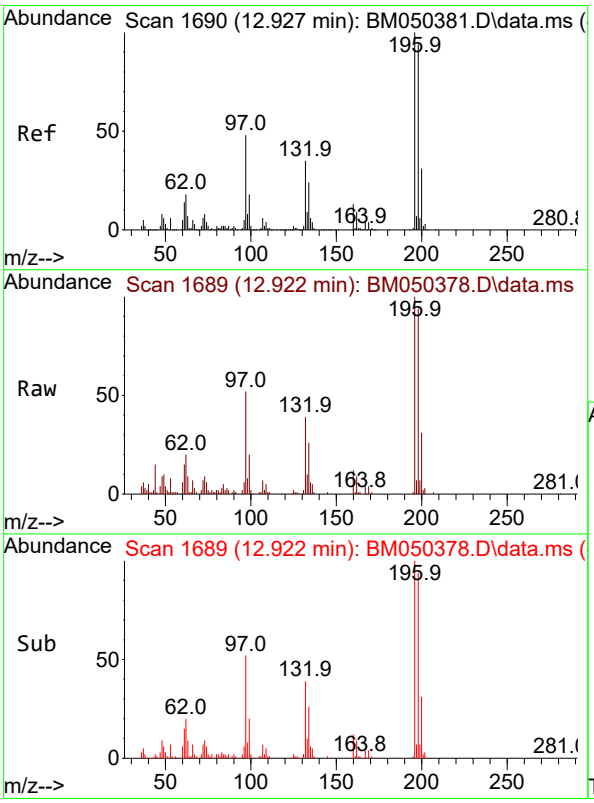

#42
2,4,6-Tribromophenol
Concen: 7.485 ng
RT: 15.968 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:330 Resp: 69925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 99.4 | 76.9 | 115.3 |
| 141 | 38.9 | 27.4 | 41.0 |

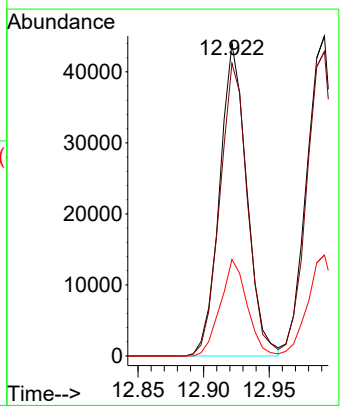


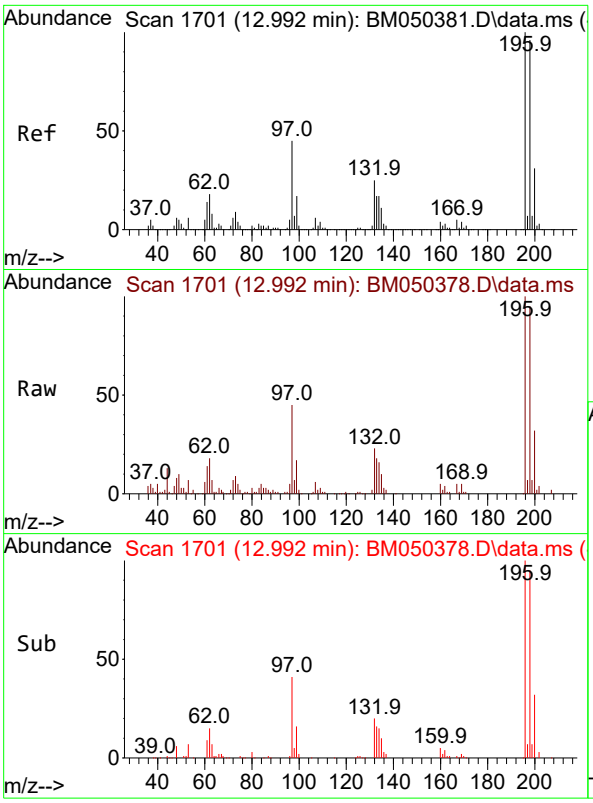




#43
2,4,6-Trichlorophenol
Concen: 4.221 ng
RT: 12.922 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:196 Resp: 63524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 93.6 | 75.1 | 112.7 |
| 200 | 30.8 | 24.6 | 37.0 |



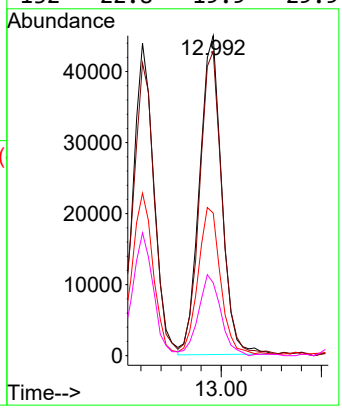


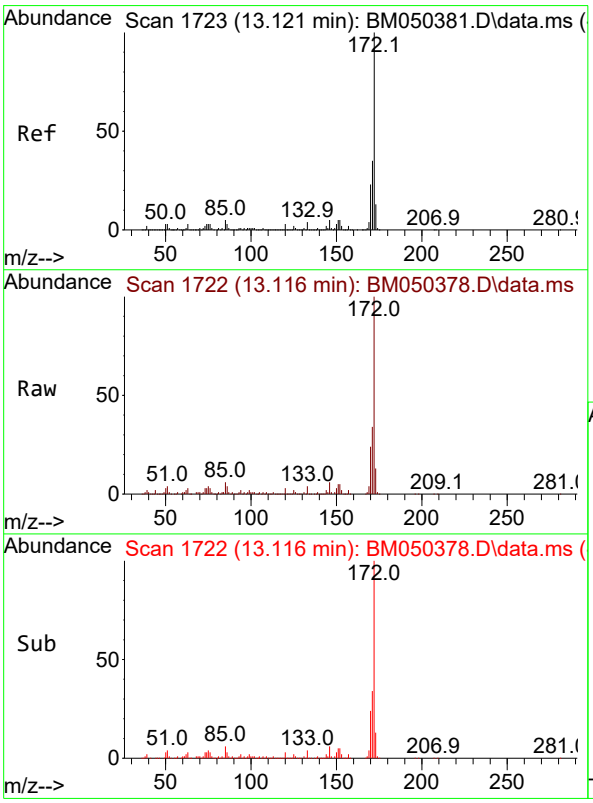

#44
2,4,5-Trichlorophenol
Concen: 4.195 ng
RT: 12.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:196 Resp: 68958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.2 | 77.2 | 115.8 |
| 97 | 44.6 | 36.2 | 54.4 |
| 132 | 22.8 | 19.9 | 29.9 |

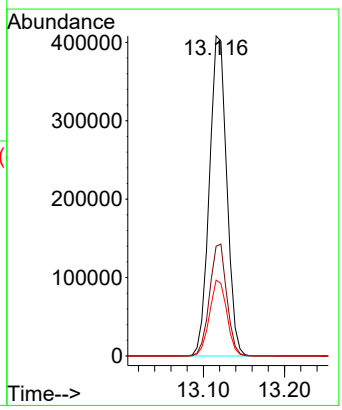


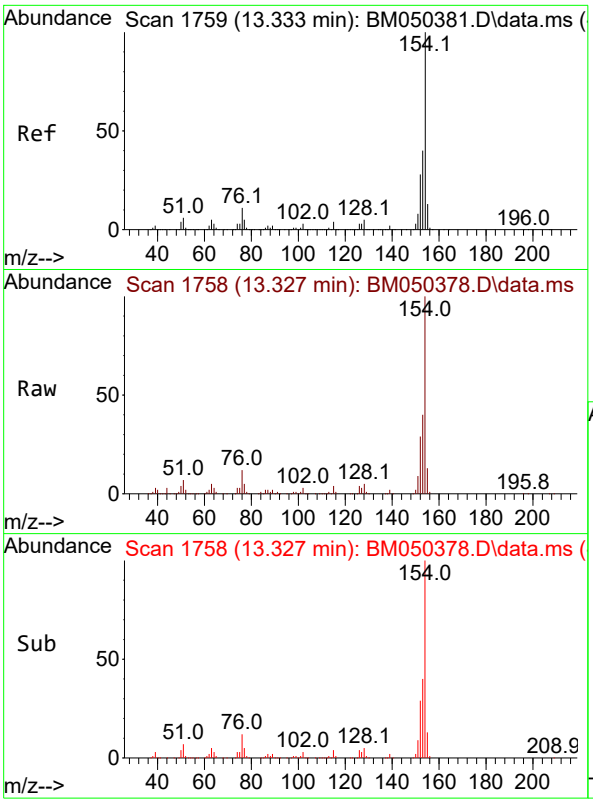




#45
2-Fluorobiphenyl
Concen: 9.705 ng
RT: 13.116 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:172 Resp: 604282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.3 | 27.7 | 41.5 |
| 170 | 23.7 | 18.8 | 28.2 |



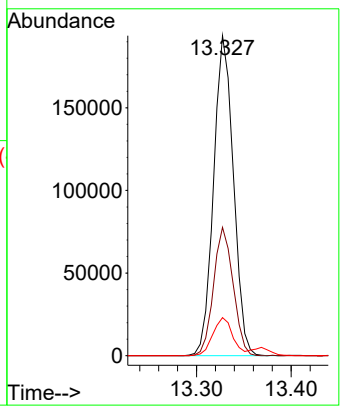


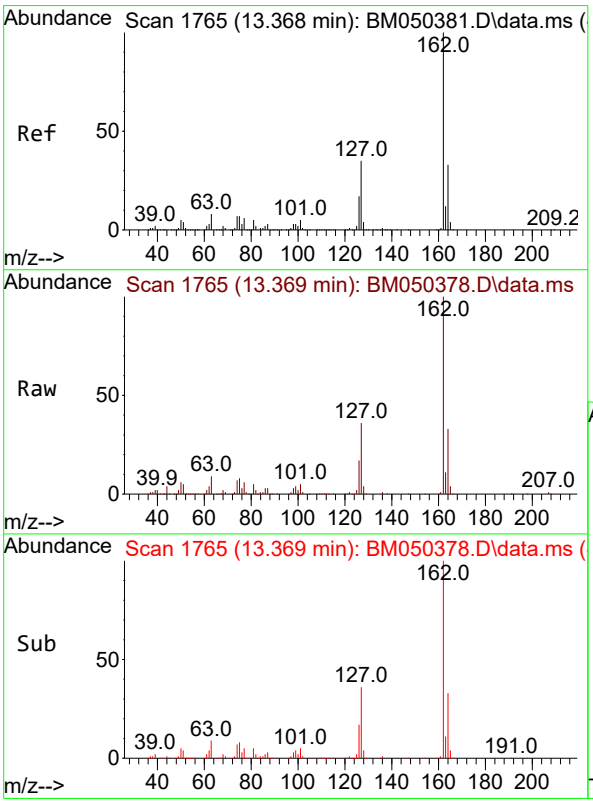

#46
1,1'-Biphenyl
Concen: 4.934 ng
RT: 13.327 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:154 Resp: 281496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.1 | 19.7 | 59.7 |
| 76 | 11.9 | 0.0 | 30.9 |

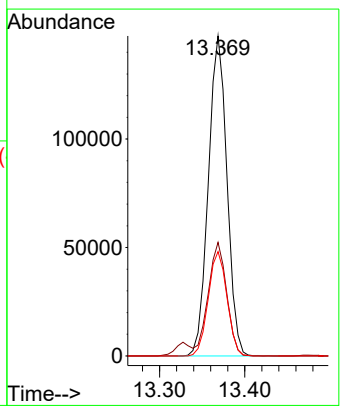


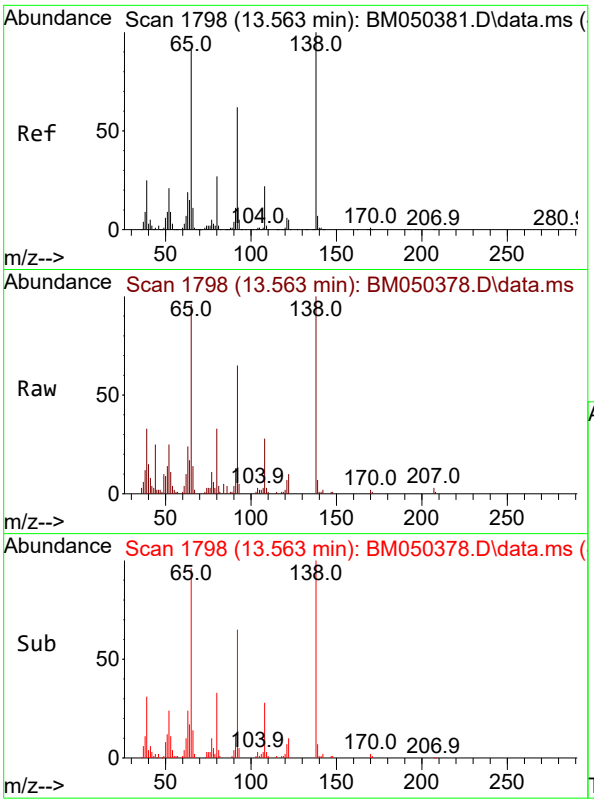




#47
2-Chloronaphthalene
Concen: 4.918 ng
RT: 13.369 min Scan# 1765
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:162 Resp: 223672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 35.5 | 28.3 | 42.5 |
| 164 | 32.6 | 26.6 | 40.0 |



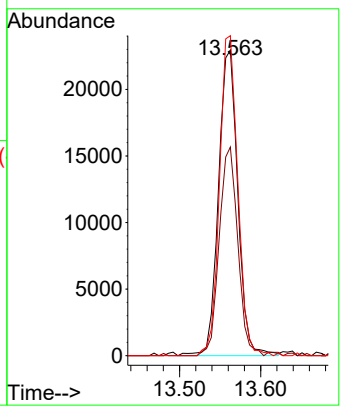


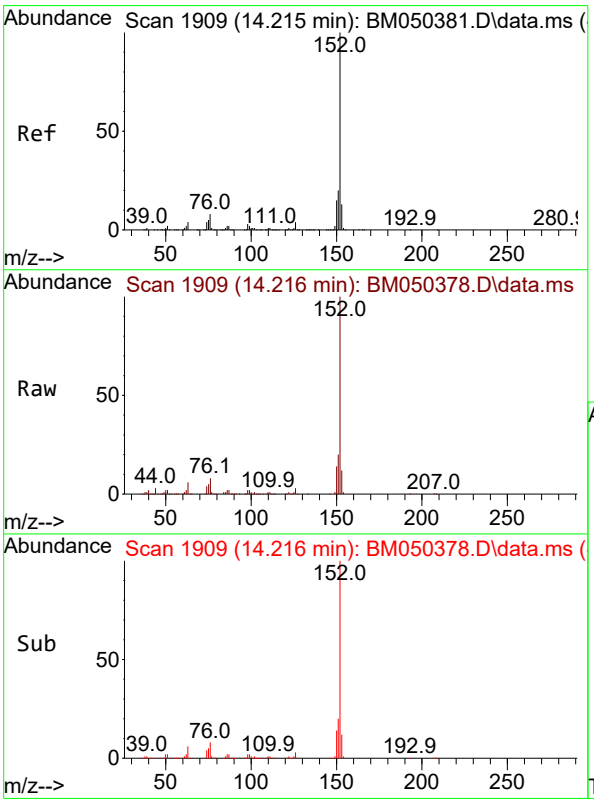

#48
2-Nitroaniline
Concen: 3.738 ng
RT: 13.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion: 65 Resp: 37953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 68.3 | 54.3 | 81.5 |
| 138 | 104.7 | 87.8 | 131.6 |

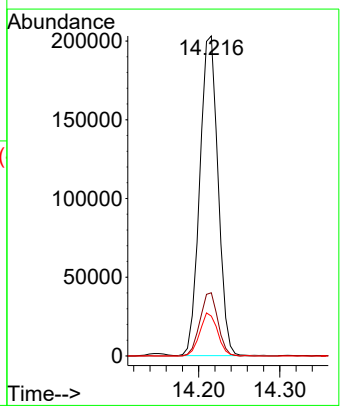


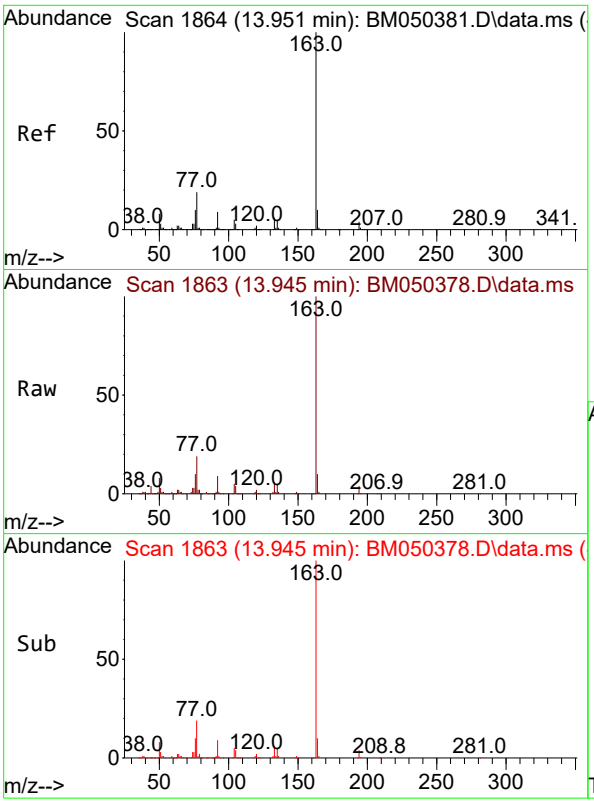




#49
Acenaphthylene
Concen: 4.601 ng
RT: 14.216 min Scan# 1909
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:152 Resp: 316292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.7 | 16.3 | 24.5 |
| 153 | 12.4 | 10.6 | 15.8 |



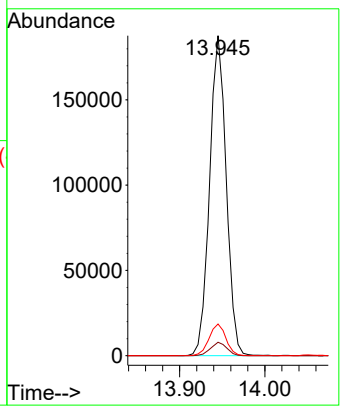


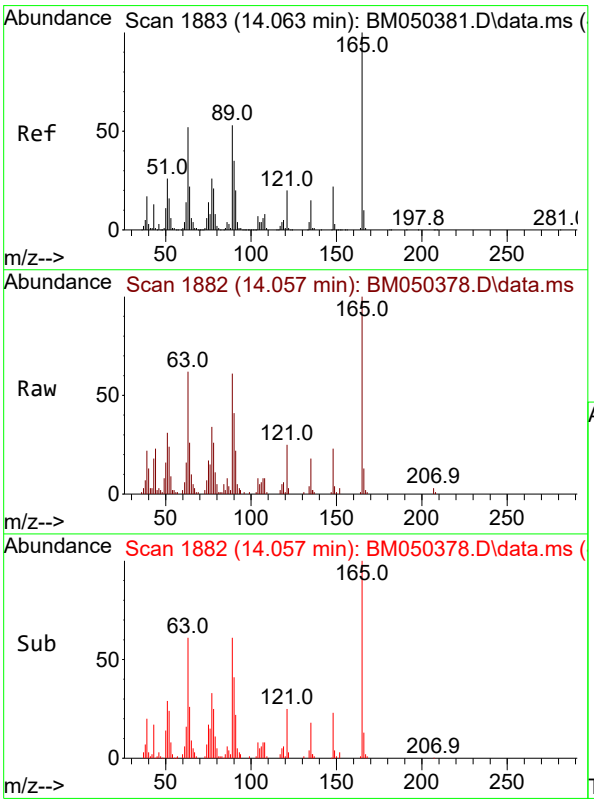

#50
Dimethylphthalate
Concen: 4.805 ng
RT: 13.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:163 Resp: 254362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.2 |
| 164 | 9.9 | 8.2 | 12.2 |

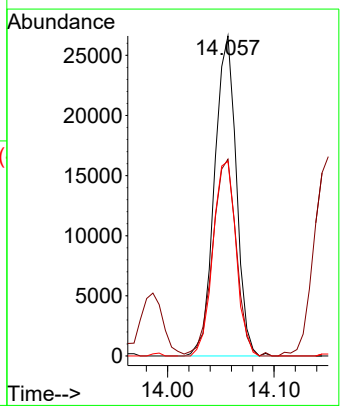


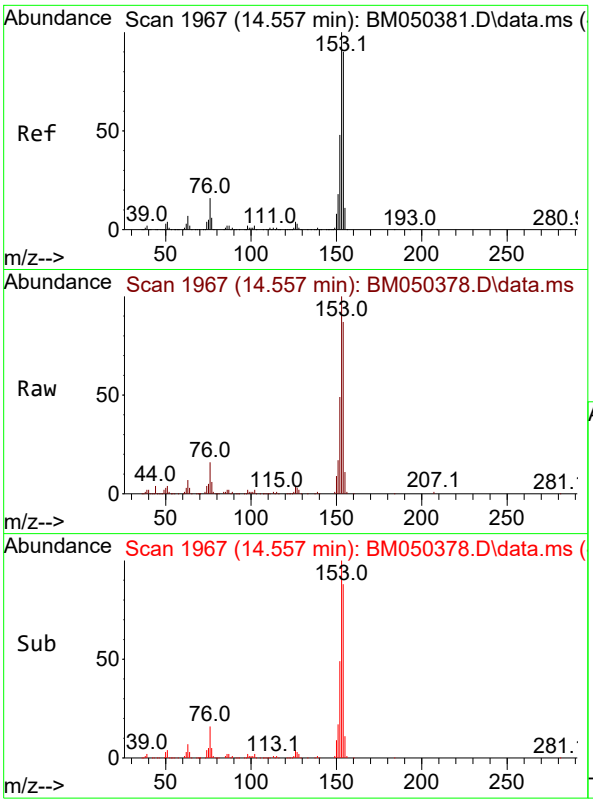




#51
2,6-Dinitrotoluene
Concen: 3.710 ng
RT: 14.057 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:165 Resp: 37711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.5 | 42.4 | 63.6 |
| 89 | 60.8 | 42.2 | 63.2 |



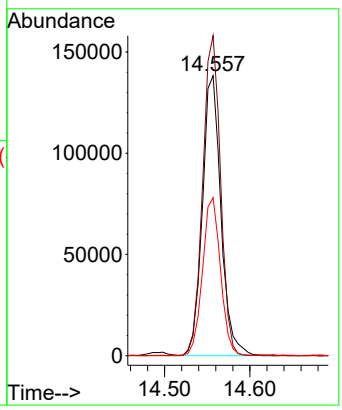


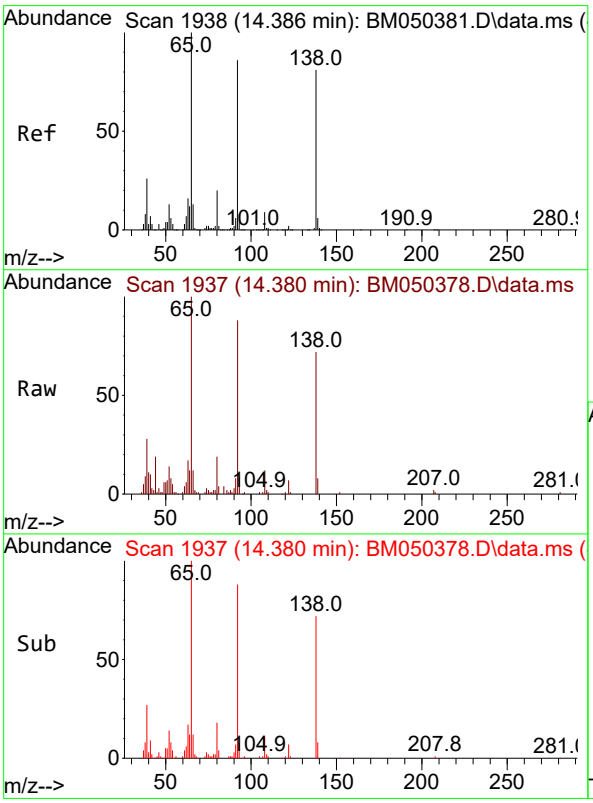

#52
Acenaphthene
Concen: 4.779 ng
RT: 14.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:154 Resp: 208840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.3 | 89.2 | 133.8 |
| 152 | 56.4 | 42.6 | 64.0 |

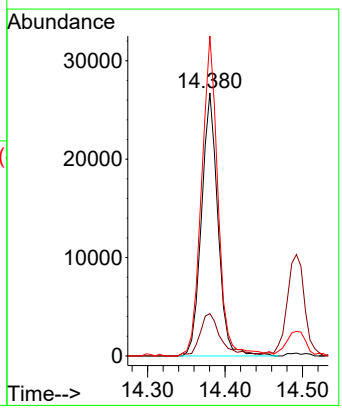


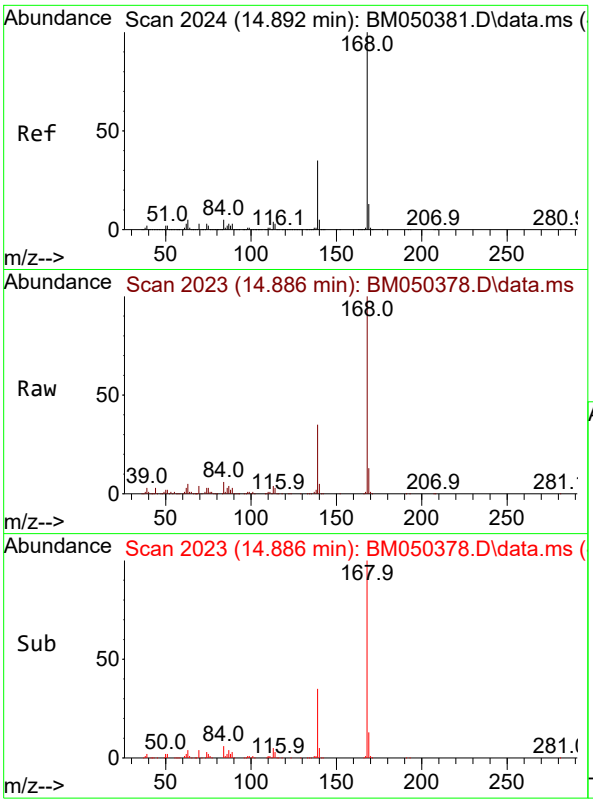




#53
3-Nitroaniline
Concen: 3.628 ng
RT: 14.380 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:138 Resp: 39220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 16.1 | 8.8 | 13.2# |
| 92 | 121.7 | 85.0 | 127.6 |



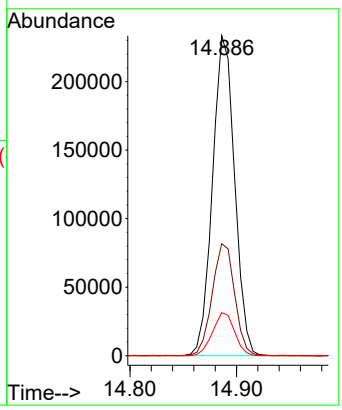


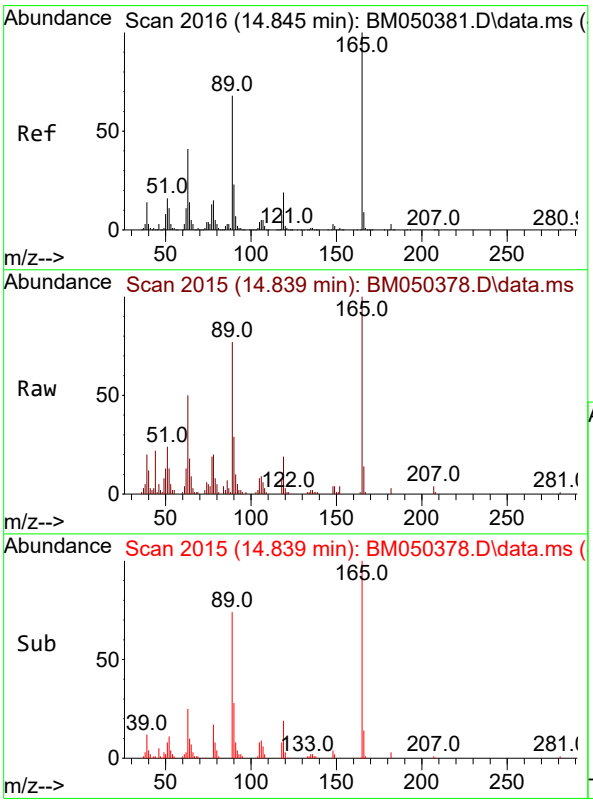

#55
Dibenzofuran
Concen: 4.988 ng
RT: 14.886 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:168 Resp: 335867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 35.0 | 27.7 | 41.5 |
| 169 | 13.4 | 10.7 | 16.1 |

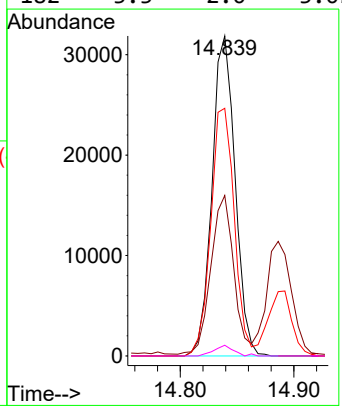


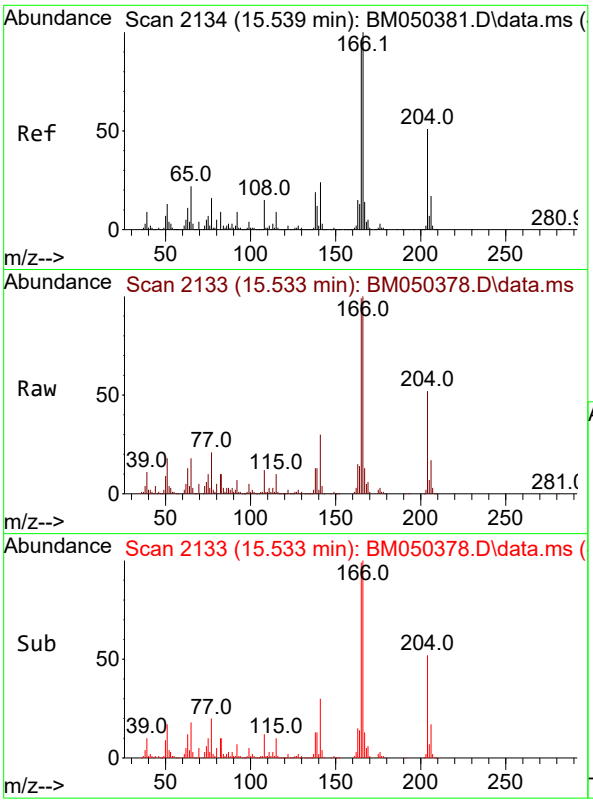




#57
2,4-Dinitrotoluene
Concen: 5.513 ng
RT: 14.839 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:165 Resp: 44983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 50.1 | 32.5 | 48.7# |
| 89 | 77.4 | 54.0 | 81.0 |
| 182 | 3.3 | 2.0 | 3.0# |



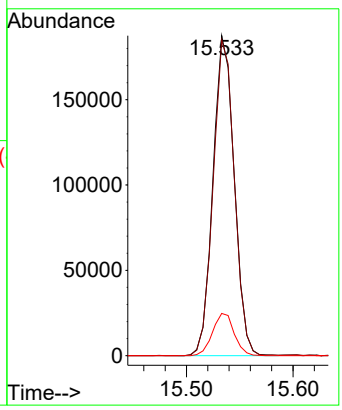


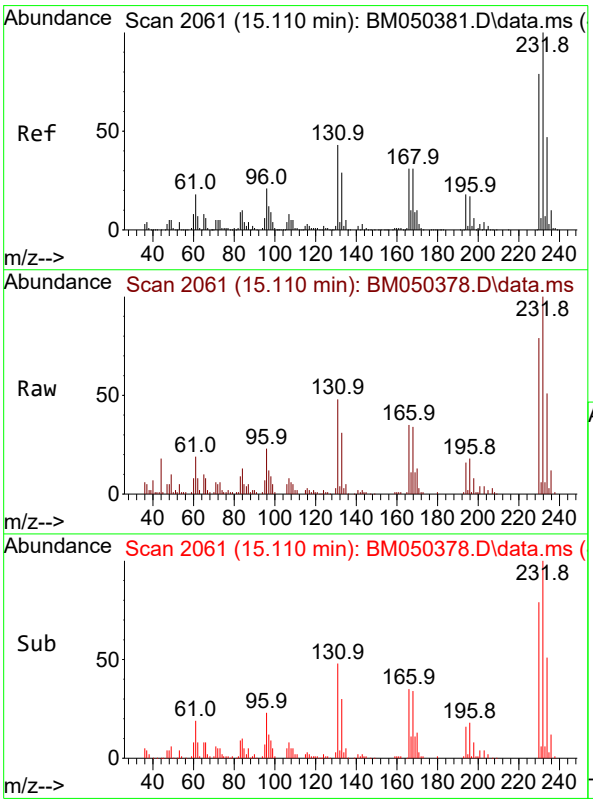

#58
Fluorene
Concen: 4.671 ng
RT: 15.533 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:166 Resp: 259083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.7 | 77.0 | 115.6 |
| 167 | 13.2 | 10.9 | 16.3 |

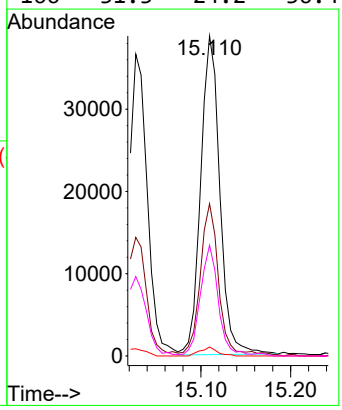


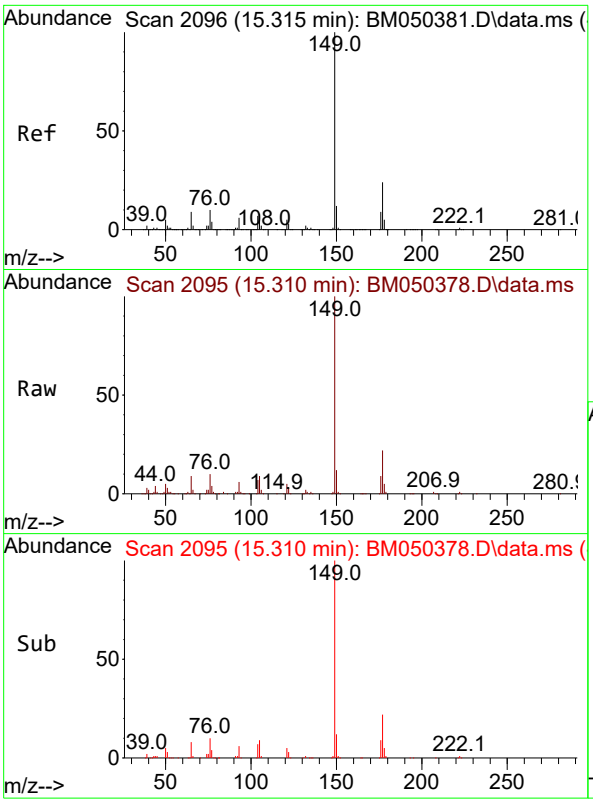




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.158 ng
RT: 15.110 min Scan# 2061
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:232 Resp: 57532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.5 | 33.4 | 50.0 |
| 130 | 2.5 | 1.8 | 2.6 |
| 166 | 31.3 | 24.2 | 36.4 |



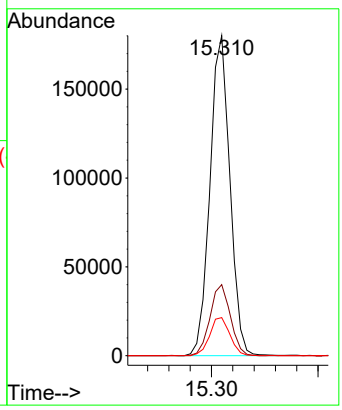


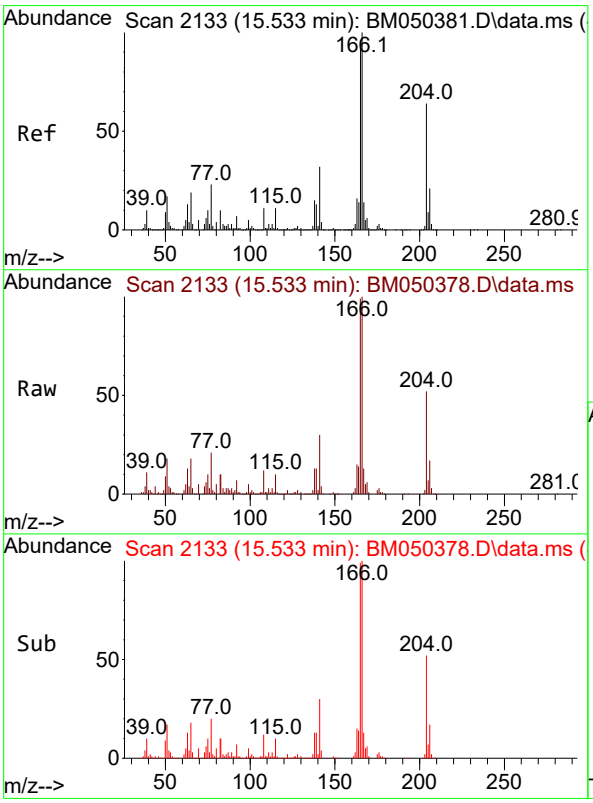

#60
Diethylphthalate
Concen: 4.625 ng
RT: 15.310 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:149 Resp: 233863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.2 | 18.8 | 28.2 |
| 150 | 11.9 | 9.8 | 14.8 |

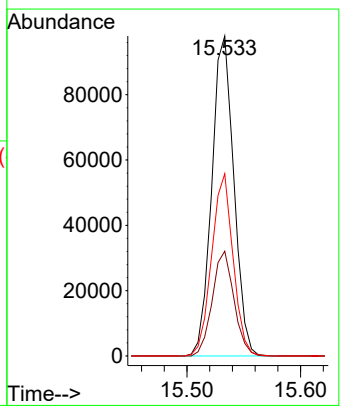


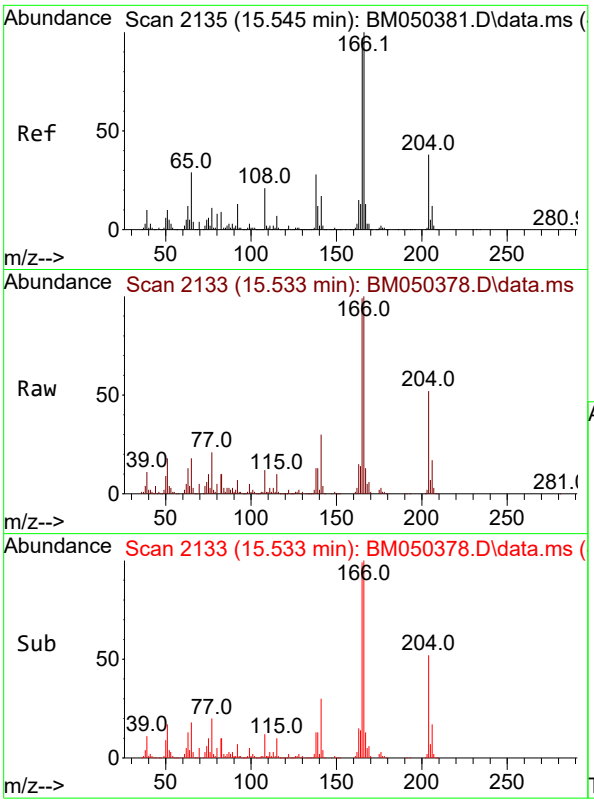




#61
4-Chlorophenyl-phenylether
Concen: 4.557 ng
RT: 15.533 min Scan# 2133
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:204 Resp: 132153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.7 | 26.6 | 39.8 |
| 141 | 57.0 | 39.9 | 59.9 |



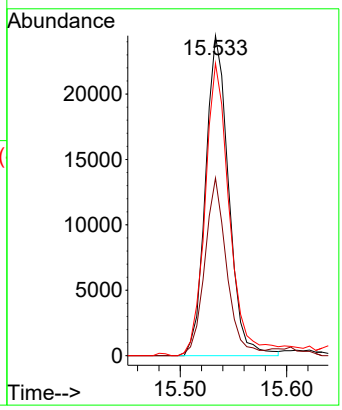


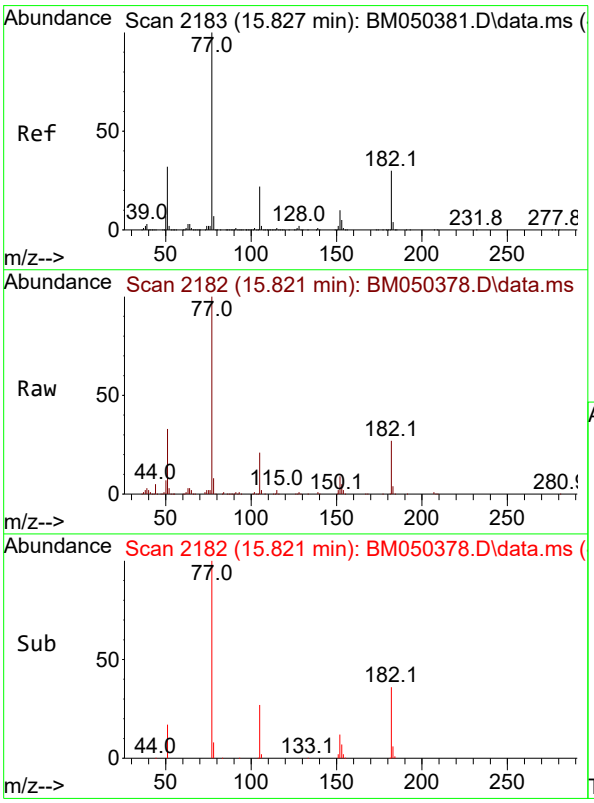

#62
4-Nitroaniline
Concen: 5.398 ng
RT: 15.533 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:138 Resp: 36922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 55.5 | 24.5 | 64.5 |
| 108 | 91.3 | 52.5 | 92.5 |

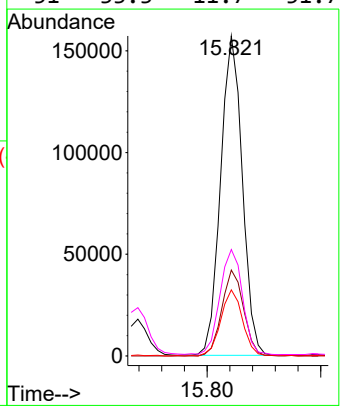


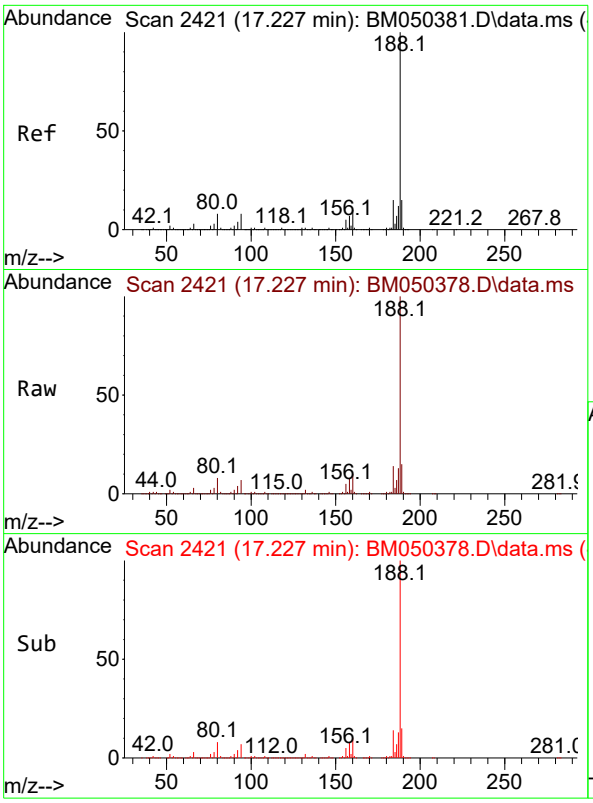




#63
Azobenzene
Concen: 4.490 ng
RT: 15.821 min Scan# 2182
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion: 77 Resp: 208493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.8 | 10.0 | 50.0 |
| 105 | 20.6 | 2.0 | 42.0 |
| 51 | 33.3 | 11.7 | 51.7 |



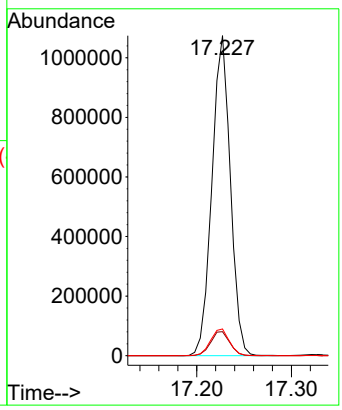


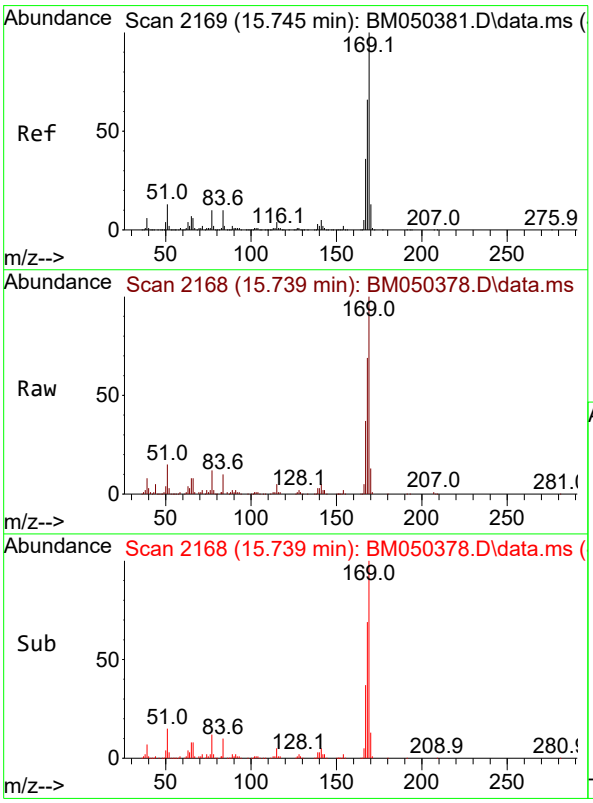

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:188 Resp: 1453955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.5 | 6.0 | 9.0 |
| 80 | 8.3 | 6.5 | 9.7 |

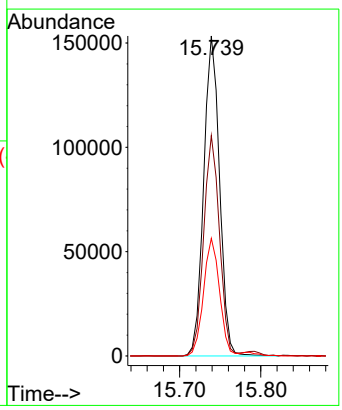


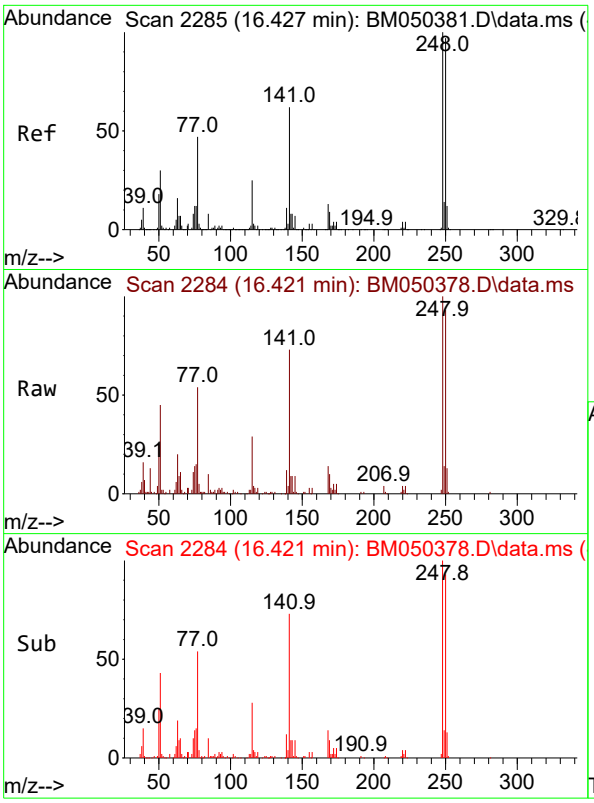




#66
n-Nitrosodiphenylamine
Concen: 4.566 ng
RT: 15.739 min Scan# 2168
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:169 Resp: 207747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 68.9 | 53.2 | 79.8 |
| 167 | 36.8 | 28.7 | 43.1 |



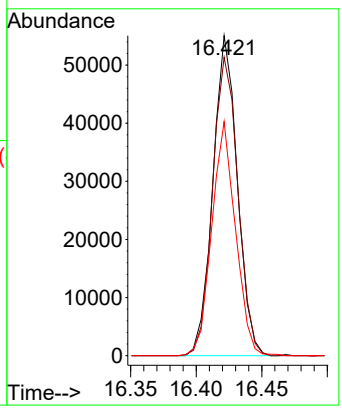


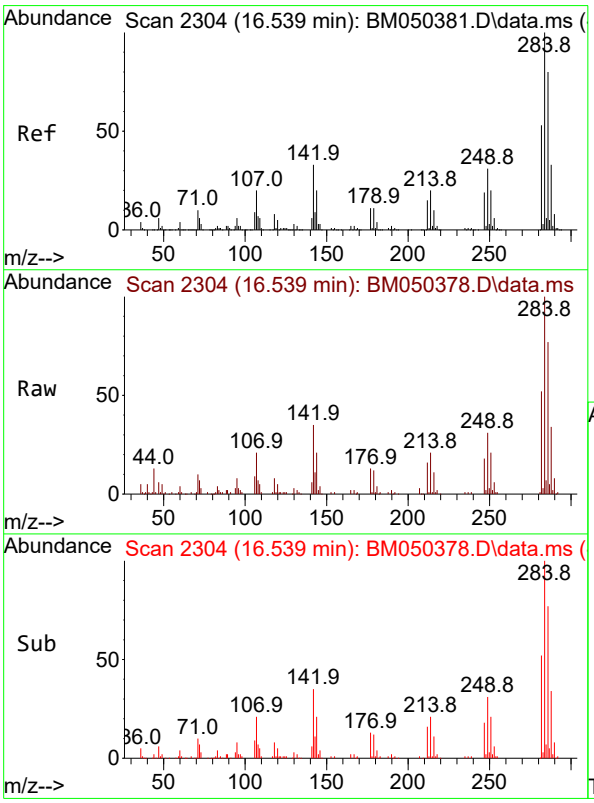

#67
4-Bromophenyl-phenylether
Concen: 4.450 ng
RT: 16.421 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:248 Resp: 71279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 93.3 | 77.9 | 116.9 |
| 141 | 73.2 | 49.7 | 74.5 |

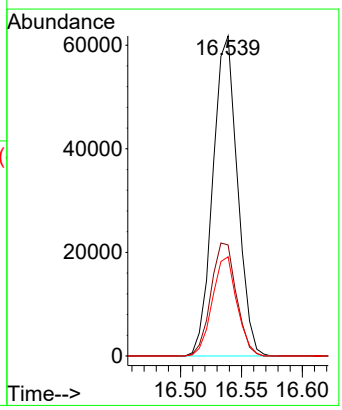


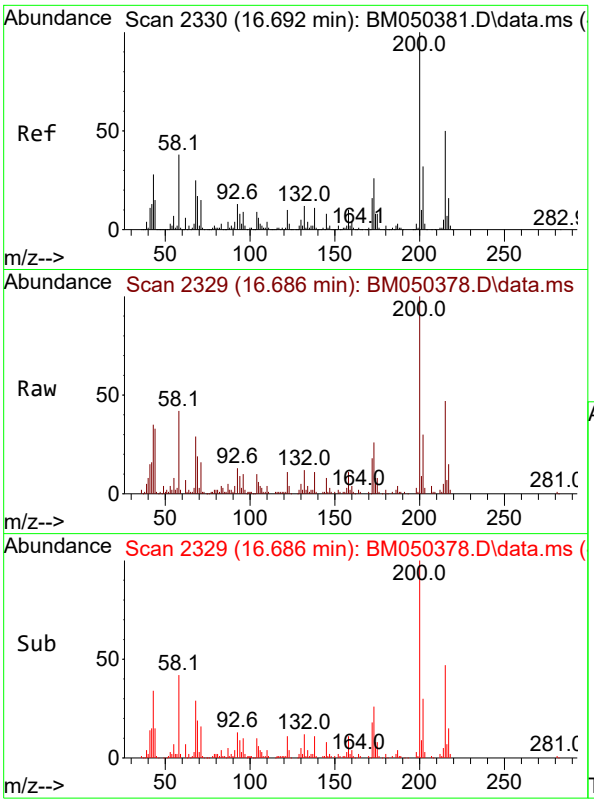




#68
Hexachlorobenzene
Concen: 4.587 ng
RT: 16.539 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:284 Resp: 86781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.7 | 26.8 | 40.2 |
| 249 | 31.0 | 24.5 | 36.7 |



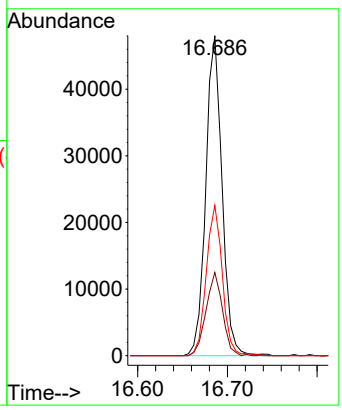


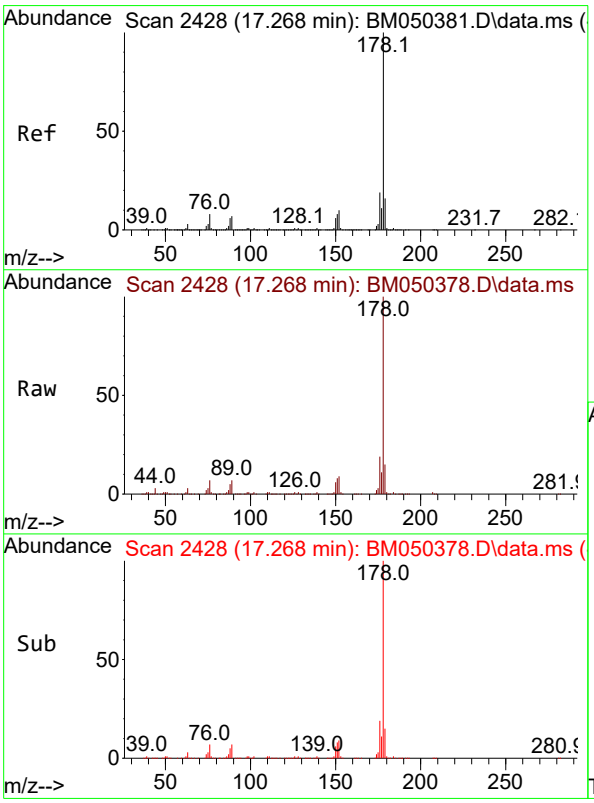

#69
Atrazine
Concen: 4.046 ng
RT: 16.686 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:200 Resp: 60444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.0 | 5.6 | 45.6 |
| 215 | 47.0 | 29.6 | 69.6 |

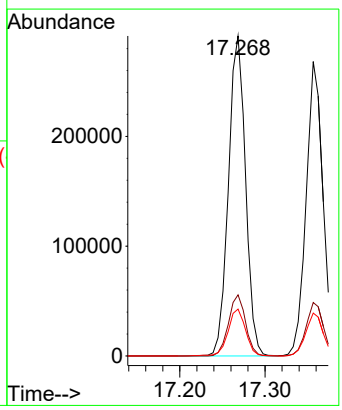


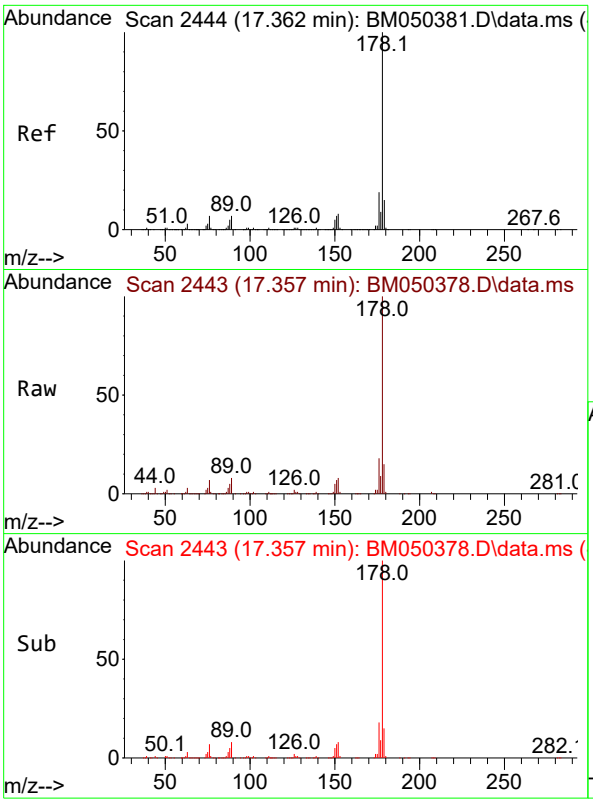




#71
Phenanthrene
Concen: 4.943 ng
RT: 17.268 min Scan# 2428
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:178 Resp: 406647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.4 | 23.0 |
| 179 | 14.7 | 12.5 | 18.7 |



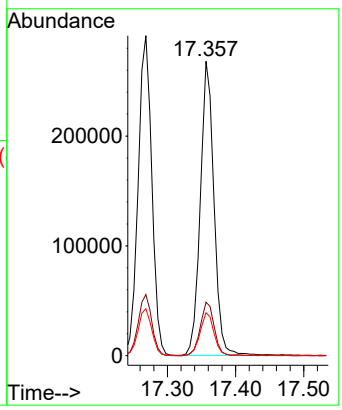


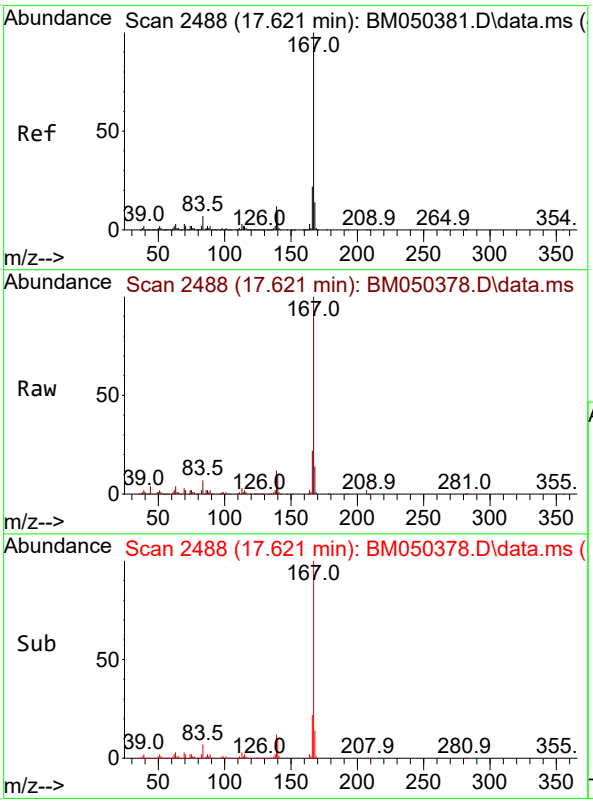

#72
Anthracene
Concen: 4.563 ng
RT: 17.357 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:178 Resp: 373674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 14.9 | 22.3 |
| 179 | 14.6 | 12.2 | 18.4 |

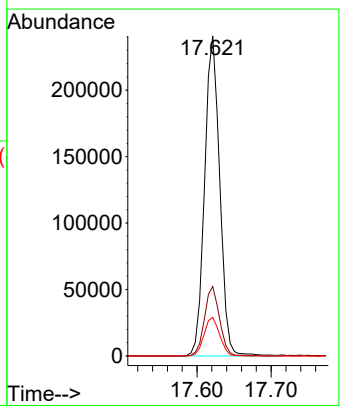


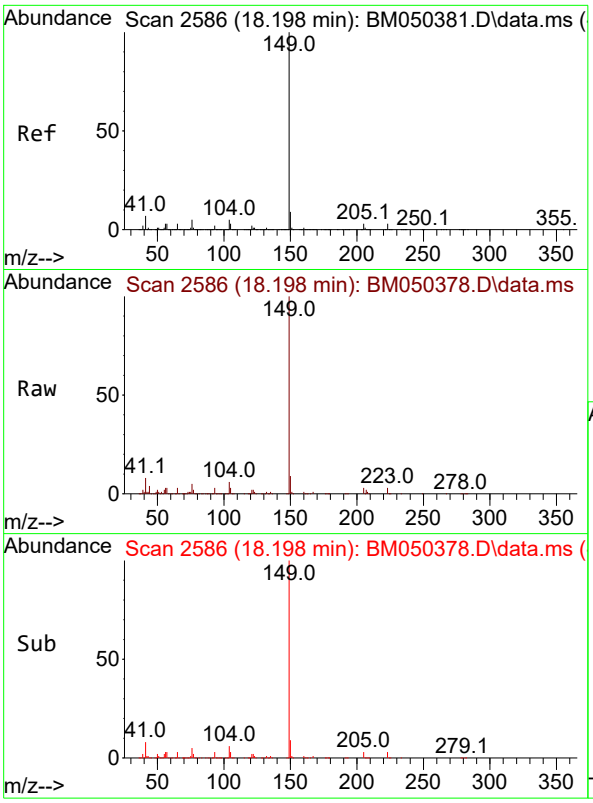




#73
Carbazole
Concen: 4.605 ng
RT: 17.621 min Scan# 2488
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:167 Resp: 341196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.7 | 17.2 | 25.8 |
| 139 | 12.1 | 9.9 | 14.9 |



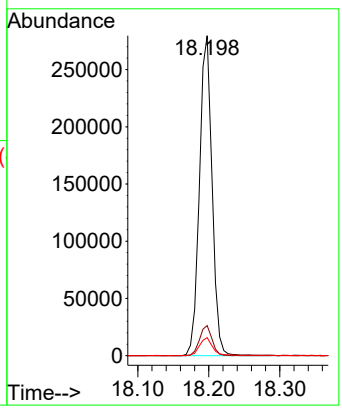


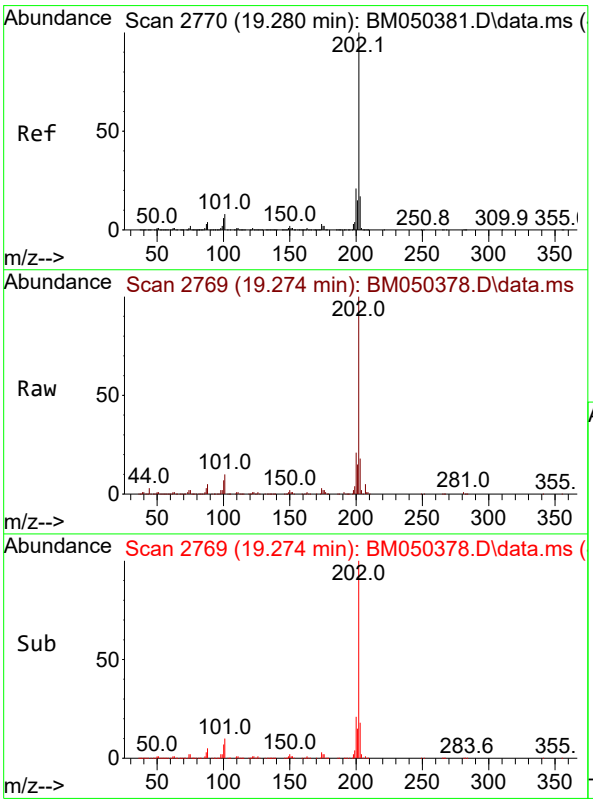

#74
Di-n-butylphthalate
Concen: 4.274 ng
RT: 18.198 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:149 Resp: 346654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.3 | 10.9 |
| 104 | 5.7 | 3.9 | 5.9 |

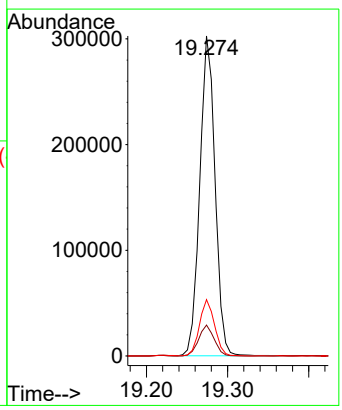


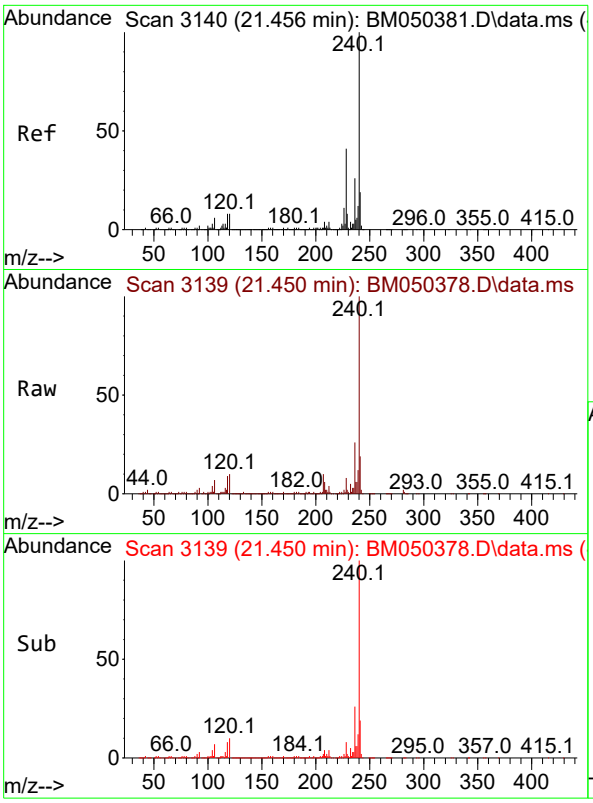




#75
Fluoranthene
Concen: 4.421 ng
RT: 19.274 min Scan# 2769
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:202 Resp: 395390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.6 | 0.0 | 28.3 |
| 203 | 17.6 | 0.0 | 37.2 |



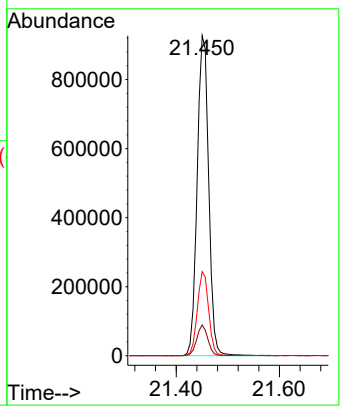


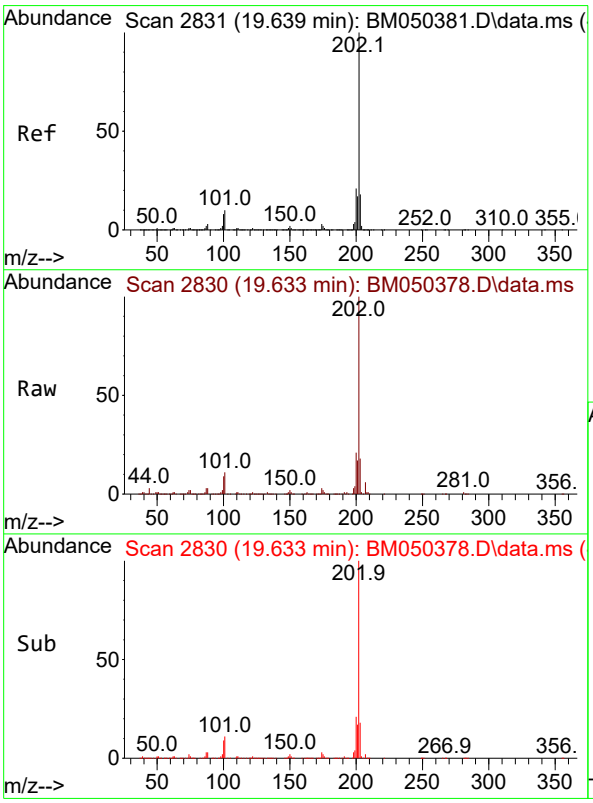

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:240 Resp: 1431554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.6 | 6.7 | 10.1 |
| 236 | 26.3 | 20.7 | 31.1 |

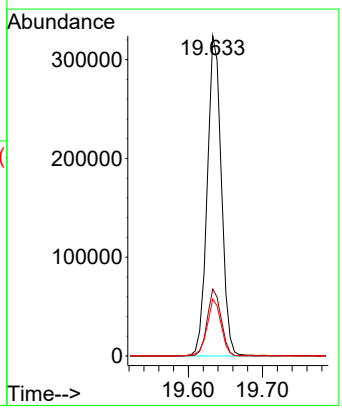


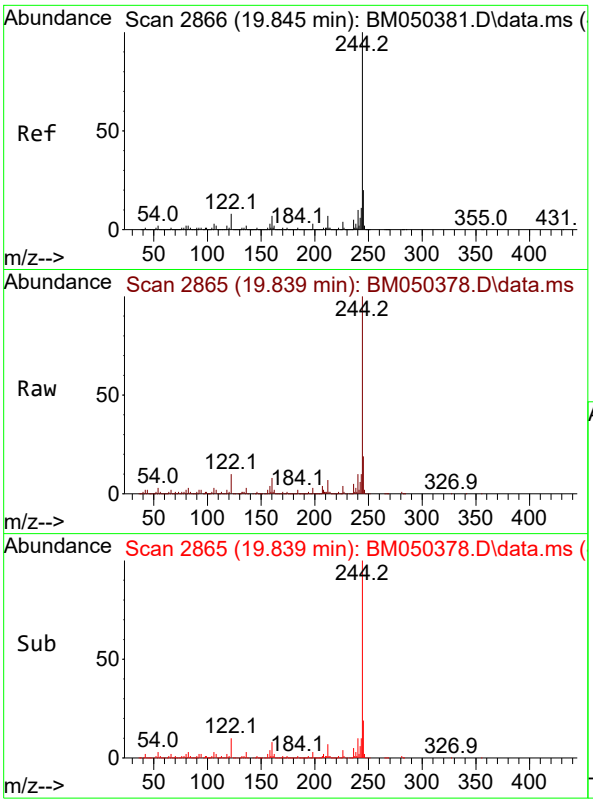




#78
Pyrene
Concen: 4.676 ng
RT: 19.633 min Scan# 2830
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:202 Resp: 428758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.9 | 16.9 | 25.3 |
| 203 | 17.7 | 14.1 | 21.1 |



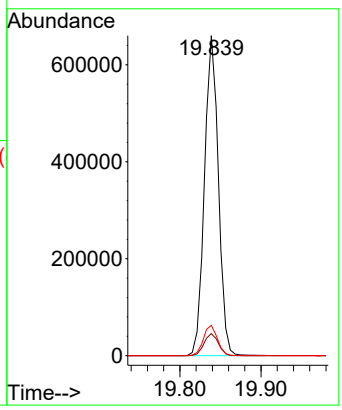


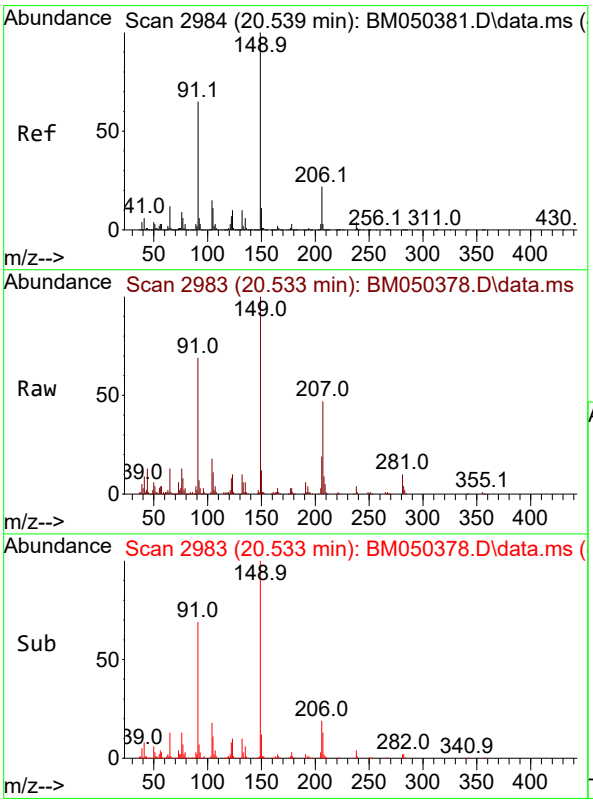

#79
Terphenyl-d14
Concen: 9.630 ng
RT: 19.839 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:244 Resp: 783562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.7 | 8.5 |
| 122 | 9.5 | 6.2 | 9.2# |

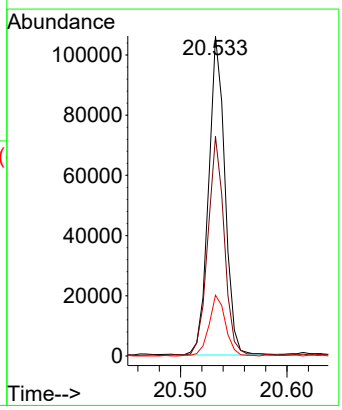


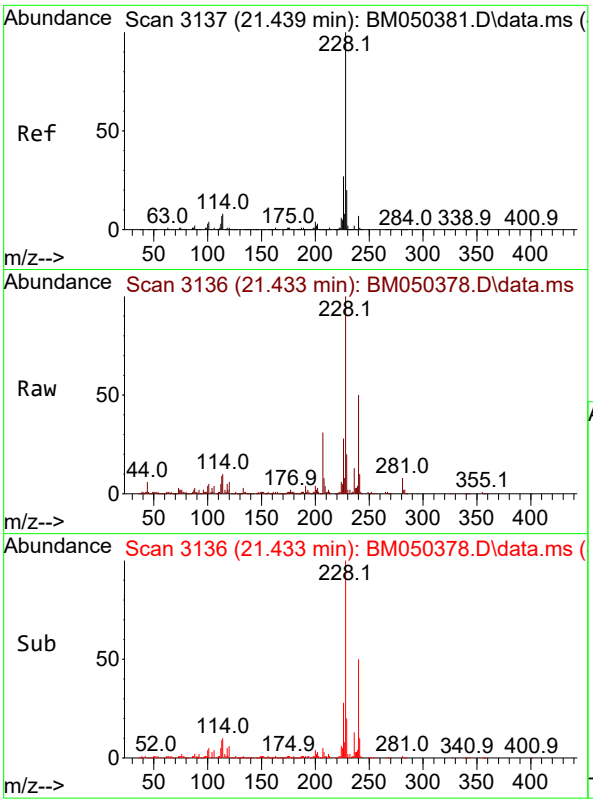




#80
Butylbenzylphthalate
Concen: 3.757 ng
RT: 20.533 min Scan# 2983
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:149 Resp: 113580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 68.6 | 51.6 | 77.4 |
| 206 | 19.0 | 17.8 | 26.8 |



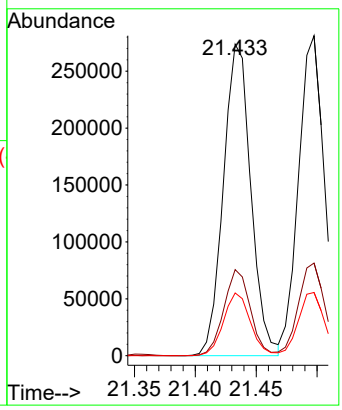


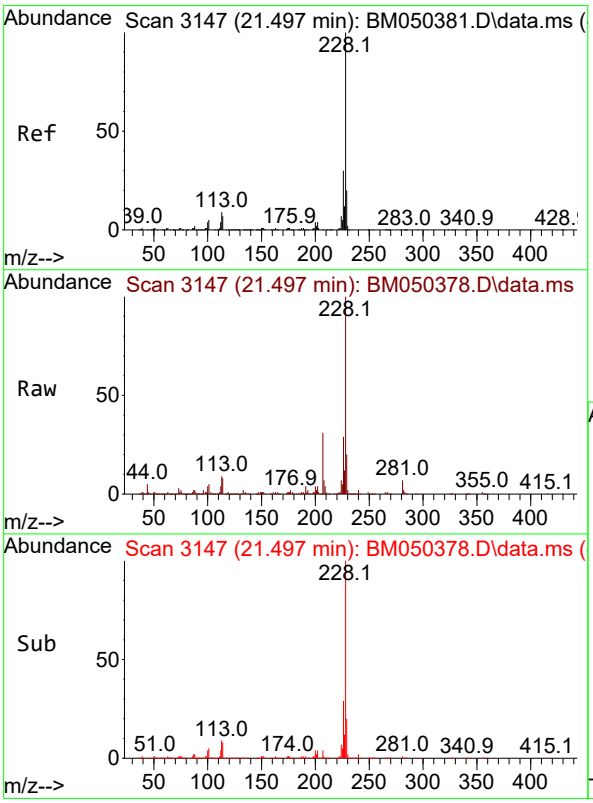

#81
Benzo(a)anthracene
Concen: 4.620 ng
RT: 21.433 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:228 Resp: 430980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.6 | 21.8 | 32.8 |
| 229 | 20.1 | 16.0 | 24.0 |

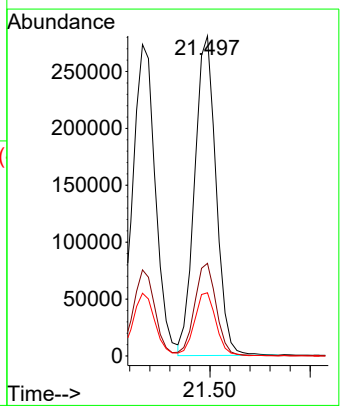


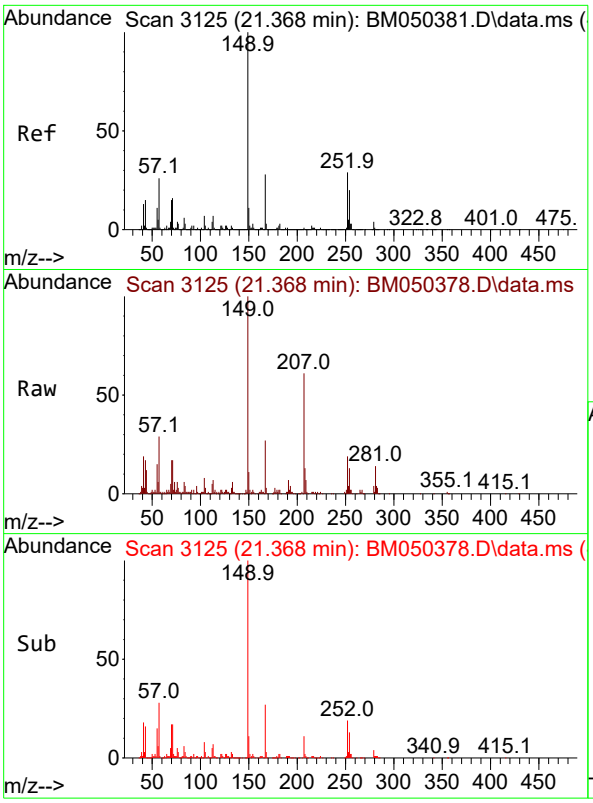




#83
Chrysene
Concen: 4.727 ng
RT: 21.497 min Scan# 3147
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:228 Resp: 415885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.0 | 24.2 | 36.4 |
| 229 | 19.8 | 15.8 | 23.6 |



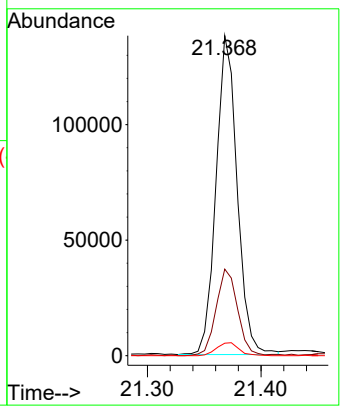


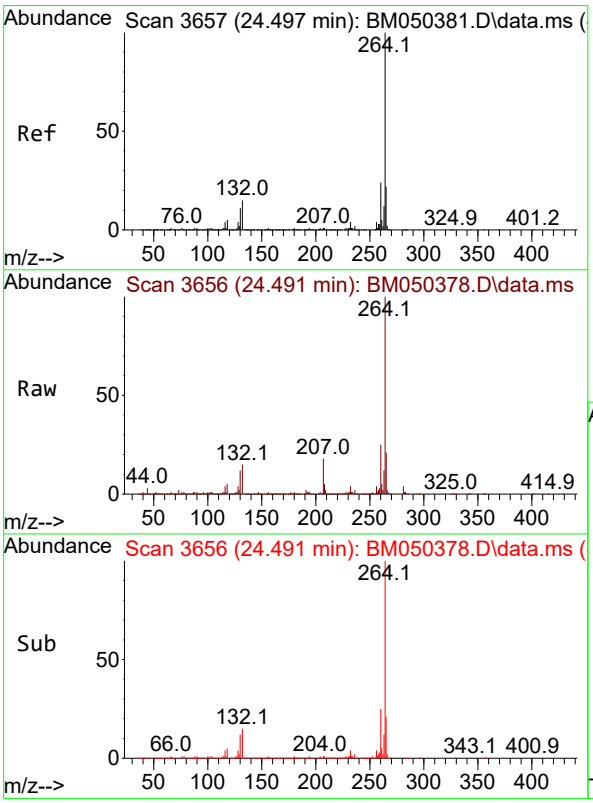

#84
Bis(2-ethylhexyl)phthalate
Concen: 3.724 ng
RT: 21.368 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:149 Resp: 178701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.1 | 22.7 | 34.1 |
| 279 | 3.9 | 3.5 | 5.3 |

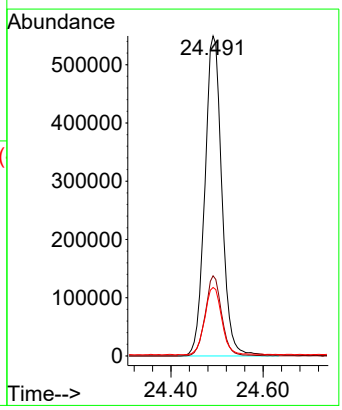


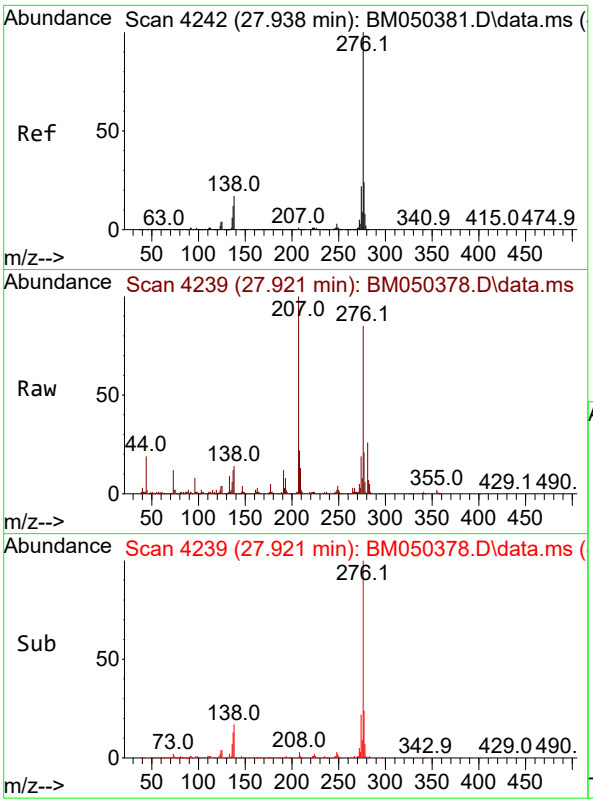




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.491 min Scan# 3656
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:264 Resp: 1410719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.0 | 19.2 | 28.8 |
| 265 | 21.4 | 17.8 | 26.6 |



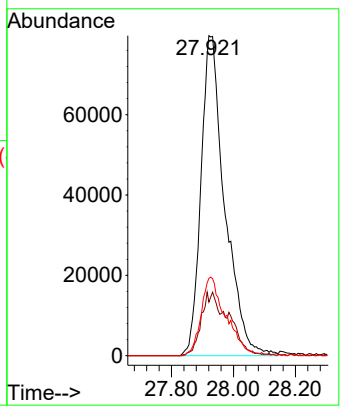


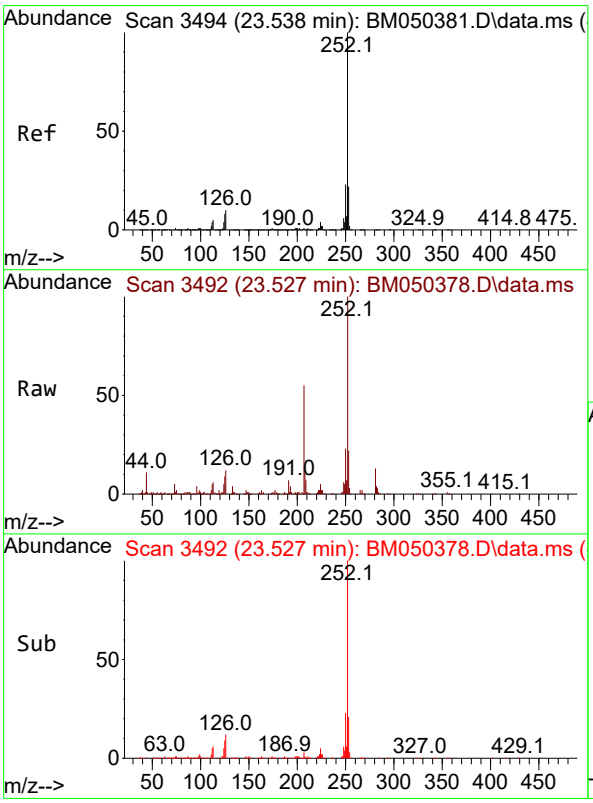

#87
Indeno(1,2,3-cd)pyrene
Concen: 4.249 ng
RT: 27.921 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:276 Resp: 426152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.1 | 17.0 | 25.6 |
| 277 | 25.5 | 20.0 | 30.0 |

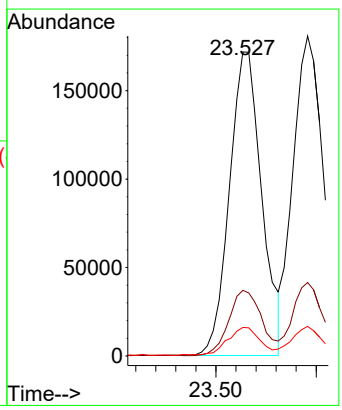


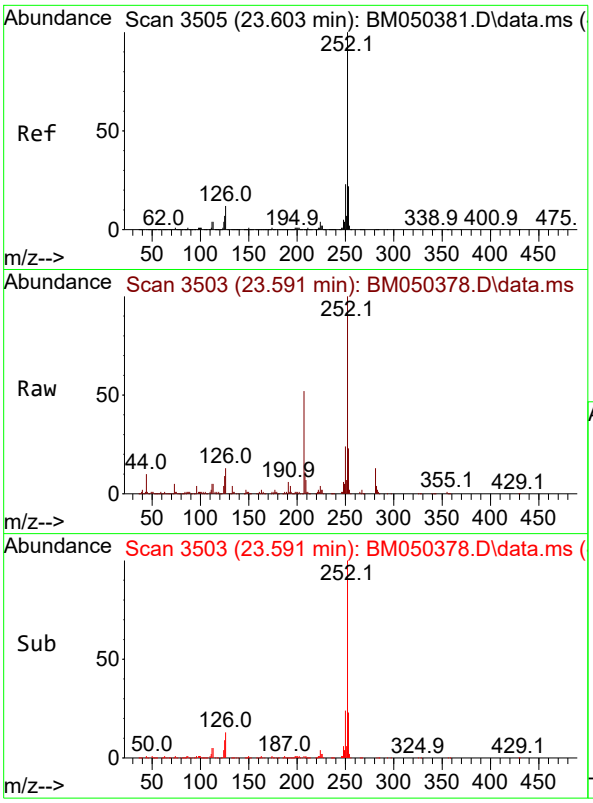




#88
Benzo(b)fluoranthene
Concen: 4.431 ng
RT: 23.527 min Scan# 3492
Delta R.T. -0.012 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:252 Resp: 384470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.8 | 26.6 |
| 125 | 9.4 | 6.3 | 9.5 |



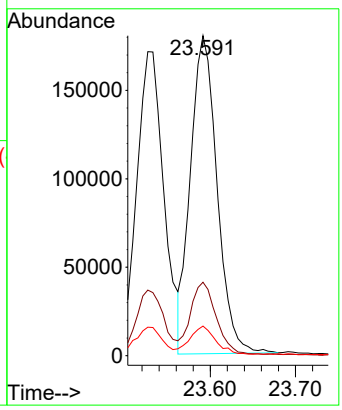


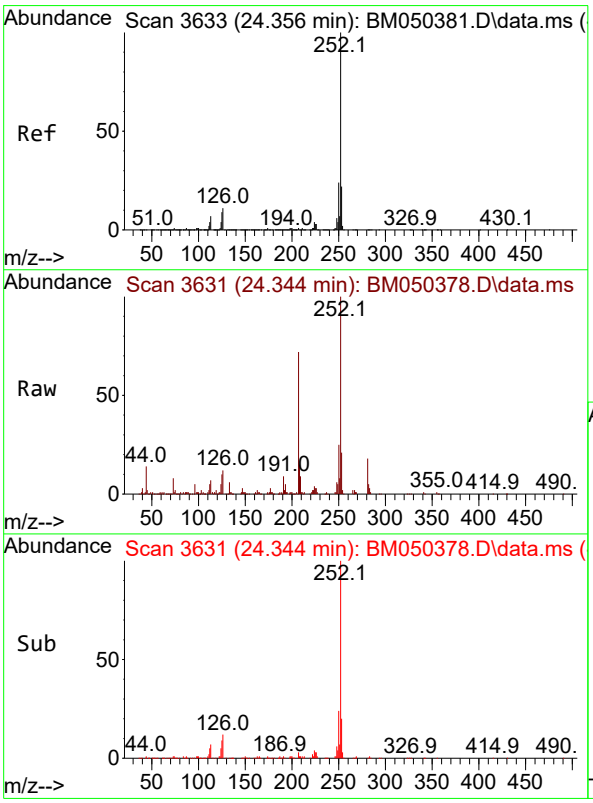

#89
Benzo(k)fluoranthene
Concen: 4.330 ng
RT: 23.591 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:252 Resp: 389878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 17.6 | 26.4 |
| 125 | 9.3 | 6.2 | 9.2# |

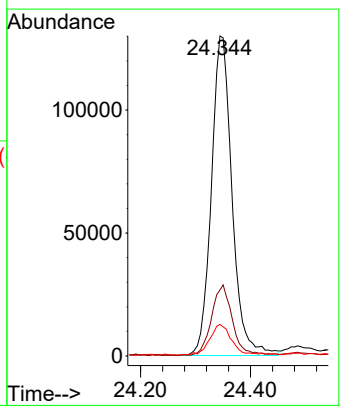


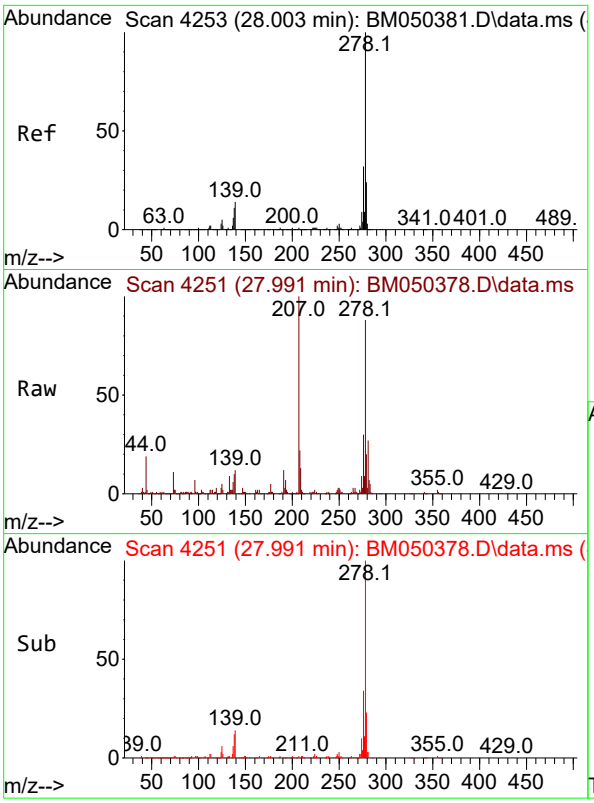




#90
Benzo(a)pyrene
Concen: 4.177 ng
RT: 24.344 min Scan# 3631
Delta R.T. -0.012 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:252 Resp: 339308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 20.7 | 17.8 | 26.6 |
| 125 | 9.9 | 7.0 | 10.4 |



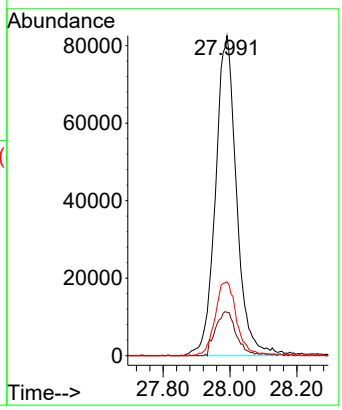


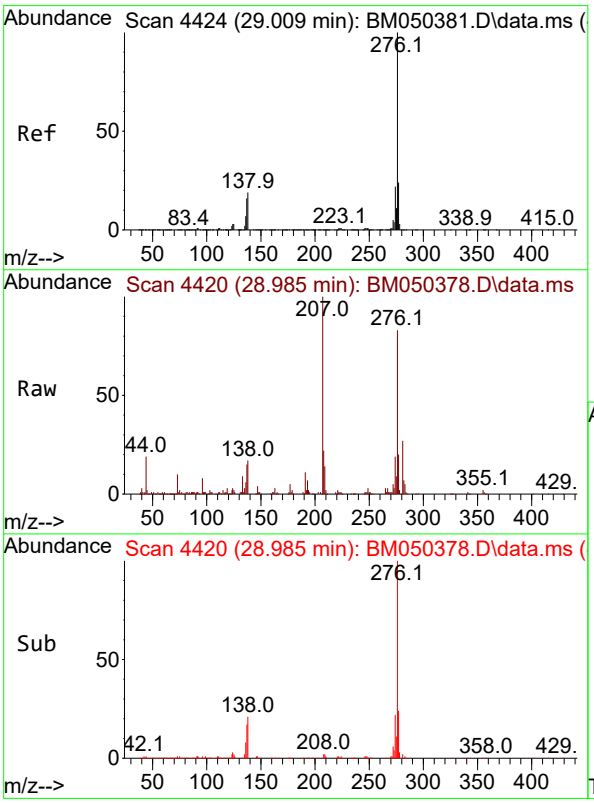

#91
Dibenzo(a,h)anthracene
Concen: 4.269 ng
RT: 27.991 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:278 Resp: 360576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.5 | 10.8 | 16.2 |
| 279 | 23.1 | 19.4 | 29.0 |

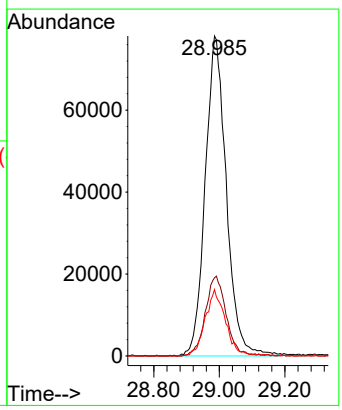



#92
Benzo(g,h,i)perylene
Concen: 4.382 ng
RT: 28.985 min Scan# 4420
Delta R.T. -0.023 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:276 Resp: 349804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.4 | 19.1 | 28.7 |
| 138 | 20.8 | 14.9 | 22.3 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050379.D
Acq On : 08 Jul 2025 14:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Quant Time: Jul 08 18:20:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.863 | 152 | 361961 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.663 | 136 | 1342132 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.492 | 164 | 846249 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.227 | 188 | 1580349 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.450 | 240 | 1564213 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.491 | 264 | 1552476 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 390415 | 18.566 | ng | | 0.00 |
| 7) Phenol-d6 | 7.016 | 99 | 480384 | 18.122 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.016 | 82 | 476926 | 18.129 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.968 | 330 | 165401 | 16.086 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.121 | 172 | 1301714 | 18.996 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.839 | 244 | 1735885 | 19.526 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.334 | 88 | 84322 | 9.752 | ng | | 97 |
| 3) Pyridine | 3.734 | 79 | 216596 | 9.541 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.640 | 42 | 101622 | 9.602 | ng | # | 92 |
| 6) Aniline | 7.187 | 93 | 308012 | 9.054 | ng | | 99 |
| 8) 2-Chlorophenol | 7.428 | 128 | 200037 | 9.022 | ng | | 99 |
| 9) Benzaldehyde | 6.998 | 77 | 170875m | 10.835 | ng | | |
| 10) Phenol | 7.045 | 94 | 255531 | 9.242 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.281 | 93 | 205153 | 9.265 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.757 | 146 | 257848 | 9.564 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.898 | 146 | 264062 | 9.592 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.222 | 146 | 252415 | 9.577 | ng | | 96 |
| 15) Benzyl Alcohol | 8.098 | 79 | 164181 | 8.790 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.392 | 45 | 315036 | 9.659 | ng | | 100 |
| 17) 2-Methylphenol | 8.298 | 107 | 162594 | 9.067 | ng | | 96 |
| 18) Hexachloroethane | 8.951 | 117 | 90719 | 9.370 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 8.669 | 70 | 146225 | 9.106 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.622 | 107 | 211795 | 8.798 | ng | | 99 |
| 22) Acetophenone | 8.681 | 105 | 321333 | 9.576 | ng | # | 98 |
| 24) Nitrobenzene | 9.057 | 77 | 220849 | 9.408 | ng | | 98 |
| 25) Isophorone | 9.586 | 82 | 385498 | 9.031 | ng | | 98 |
| 26) 2-Nitrophenol | 9.769 | 139 | 74836 | 7.822 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 9.828 | 122 | 184710 | 9.073 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.069 | 93 | 264798 | 9.361 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.304 | 162 | 187427 | 8.961 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.528 | 180 | 234305 | 9.364 | ng | | 97 |
| 31) Naphthalene | 10.710 | 128 | 653977 | 9.593 | ng | | 99 |
| 32) Benzoic acid | 9.886 | 122 | 67388 | 10.696 | ng | | 97 |
| 33) 4-Chloroaniline | 10.810 | 127 | 266307 | 9.240 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.004 | 225 | 140567 | 9.205 | ng | | 94 |
| 35) Caprolactam | 11.557 | 113 | 42675 | 7.474 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 11.927 | 107 | 171511 | 8.781 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.322 | 142 | 399569 | 9.283 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.539 | 142 | 422148 | 9.267 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.686 | 216 | 240904 | 8.952 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.680 | 237 | 135571 | 7.881 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 12.922 | 196 | 141791 | 8.560 | ng | | 97 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050379.D
Acq On : 08 Jul 2025 14:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Quant Time: Jul 08 18:20:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.992 | 196 | 159049 | 8.792 ng | | 97 |
| 46) 1,1'-Biphenyl | 13.327 | 154 | 600373 | 9.562 ng | | 99 |
| 47) 2-Chloronaphthalene | 13.369 | 162 | 476534 | 9.519 ng | | 99 |
| 48) 2-Nitroaniline | 13.563 | 65 | 89190 | 7.982 ng | | 96 |
| 49) Acenaphthylene | 14.216 | 152 | 701534 | 9.273 ng | | 99 |
| 50) Dimethylphthalate | 13.945 | 163 | 543665 | 9.331 ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.057 | 165 | 94728 | 8.468 ng | | 94 |
| 52) Acenaphthene | 14.557 | 154 | 444228 | 9.236 ng | | 95 |
| 53) 3-Nitroaniline | 14.380 | 138 | 97828 | 8.223 ng | # | 93 |
| 54) 2,4-Dinitrophenol | 14.586 | 184 | 31123 | 11.045 ng | | 99 |
| 55) Dibenzofuran | 14.892 | 168 | 708153 | 9.555 ng | | 98 |
| 56) 4-Nitrophenol | 14.680 | 139 | 76886 | 7.515 ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.839 | 165 | 117194 | 9.325 ng | | 92 |
| 58) Fluorene | 15.539 | 166 | 562098 | 9.208 ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.110 | 232 | 129591 | 8.509 ng | | 97 |
| 60) Diethylphthalate | 15.310 | 149 | 512043 | 9.200 ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.533 | 204 | 284655 | 8.918 ng | | 96 |
| 62) 4-Nitroaniline | 15.539 | 138 | 96460 | 9.259 ng | | 90 |
| 63) Azobenzene | 15.821 | 77 | 472164 | 9.239 ng | | 95 |
| 65) 4,6-Dinitro-2-methylph... | 15.598 | 198 | 45307 | 10.934 ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.739 | 169 | 455683 | 9.215 ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.421 | 248 | 153426 | 8.812 ng | | 94 |
| 68) Hexachlorobenzene | 16.539 | 284 | 184262 | 8.960 ng | | 97 |
| 69) Atrazine | 16.686 | 200 | 137949 | 8.495 ng | | 98 |
| 70) Pentachlorophenol | 16.874 | 266 | 96207 | 7.515 ng | | 99 |
| 71) Phenanthrene | 17.268 | 178 | 845393 | 9.454 ng | | 99 |
| 72) Anthracene | 17.357 | 178 | 803377 | 9.025 ng | | 99 |
| 73) Carbazole | 17.621 | 167 | 746026 | 9.263 ng | | 100 |
| 74) Di-n-butylphthalate | 18.198 | 149 | 759019 | 8.610 ng | | 99 |
| 75) Fluoranthene | 19.274 | 202 | 852385 | 8.768 ng | | 98 |
| 77) Benzidine | 19.456 | 184 | 289481 | 7.256 ng | | 99 |
| 78) Pyrene | 19.633 | 202 | 920751 | 9.191 ng | | 99 |
| 80) Butylbenzylphthalate | 20.533 | 149 | 261606 | 7.920 ng | | 95 |
| 81) Benzo(a)anthracene | 21.433 | 228 | 940127 | 9.224 ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.356 | 252 | 274551 | 7.988 ng | | 100 |
| 83) Chrysene | 21.497 | 228 | 902126 | 9.384 ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.374 | 149 | 426642 | 8.136 ng | | 98 |
| 85) Di-n-octyl phthalate | 22.521 | 149 | 580634 | 7.070 ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 27.921 | 276 | 960927 | 8.706 ng | # | 94 |
| 88) Benzo(b)fluoranthene | 23.533 | 252 | 834603 | 8.740 ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.591 | 252 | 883703 | 8.919 ng | | 99 |
| 90) Benzo(a)pyrene | 24.344 | 252 | 764280 | 8.550 ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 27.985 | 278 | 803056 | 8.639 ng | | 98 |
| 92) Benzo(g,h,i)perylene | 28.997 | 276 | 776700 | 8.841 ng | | 99 |

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

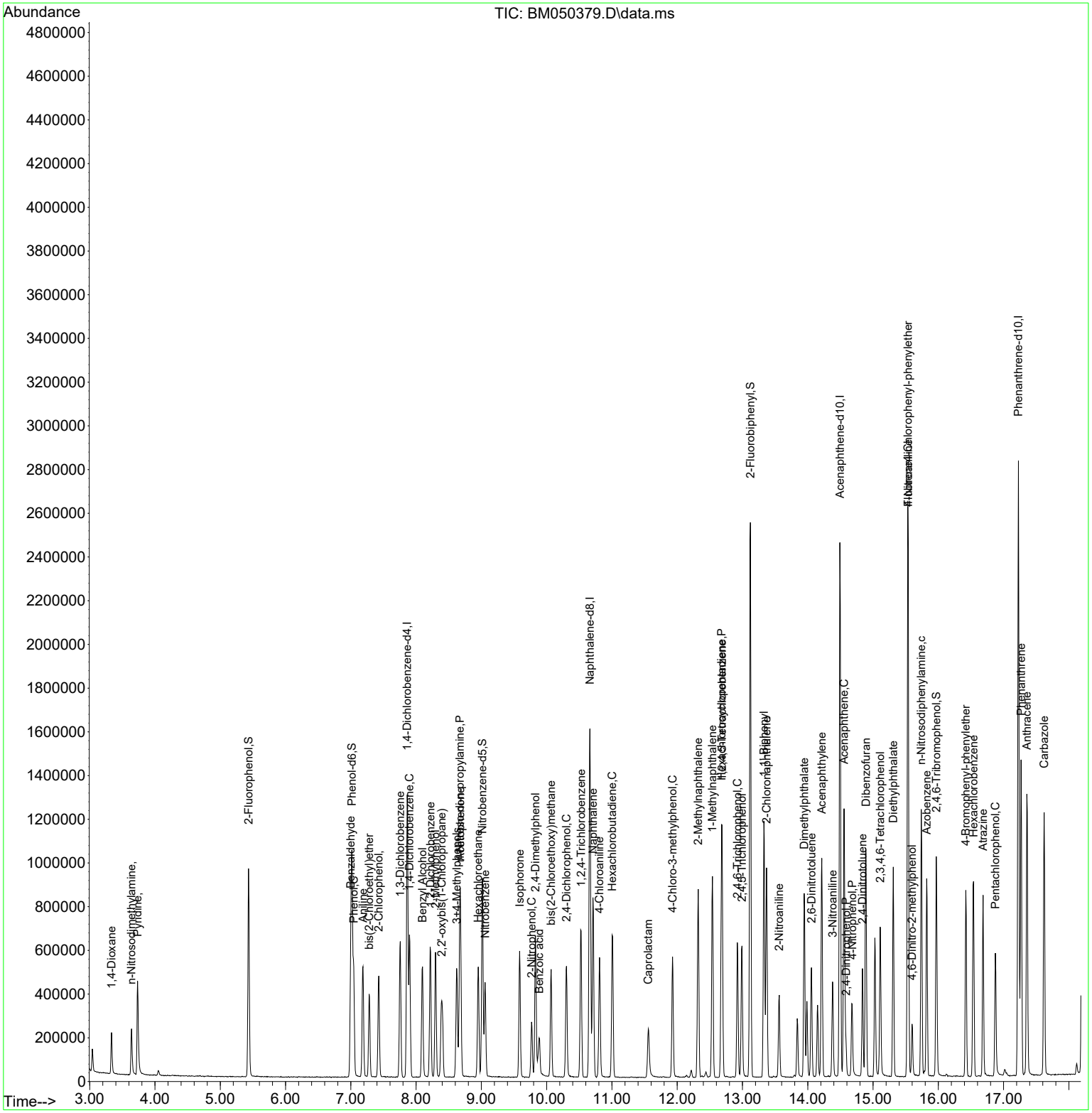
Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050379.D
Acq On : 08 Jul 2025 14:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Quant Time: Jul 08 18:20:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



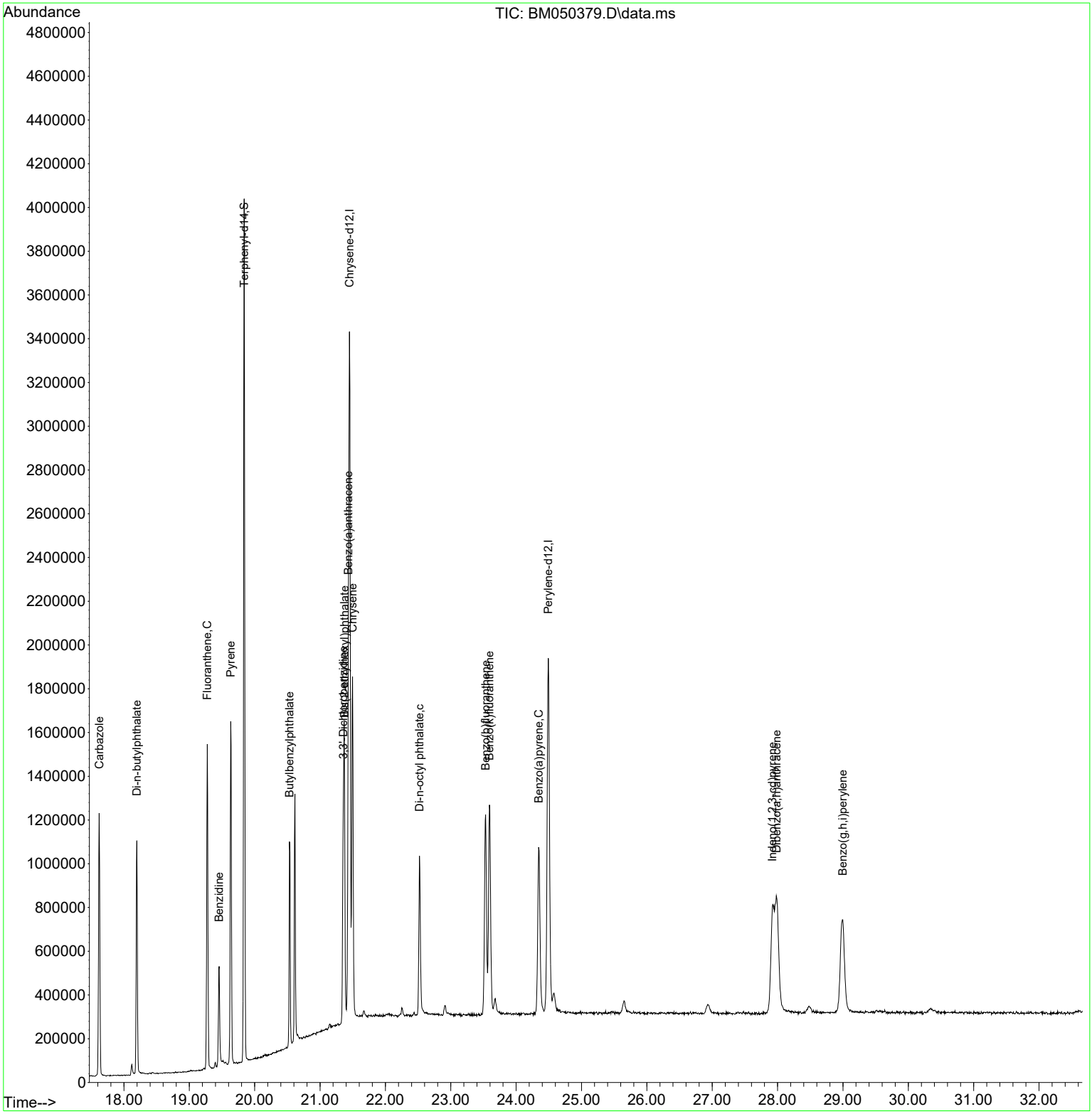
Quantitation Report (QT Reviewed)

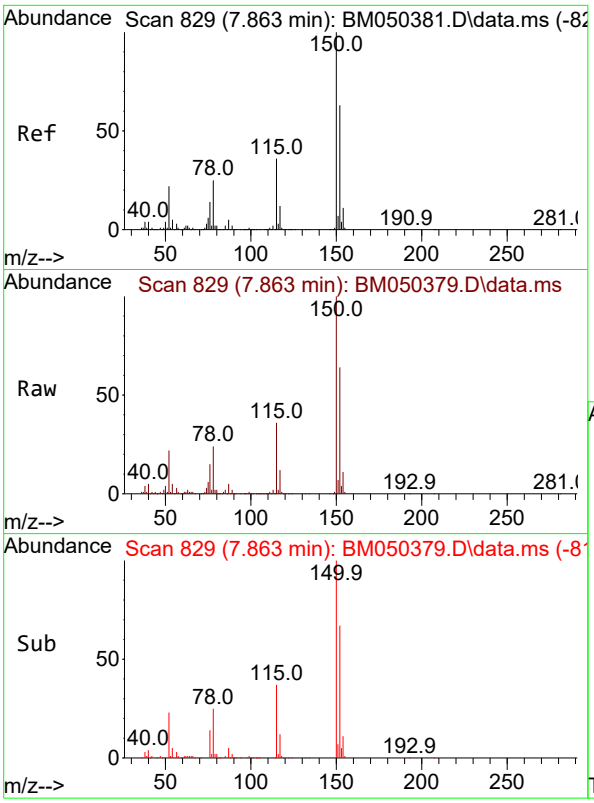
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050379.D
Acq On : 08 Jul 2025 14:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Quant Time: Jul 08 18:20:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



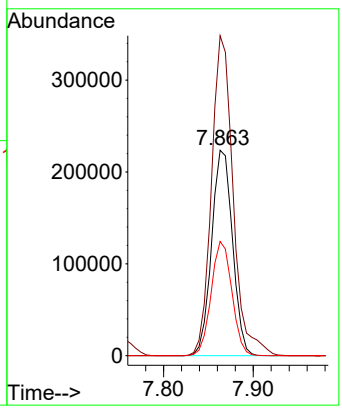


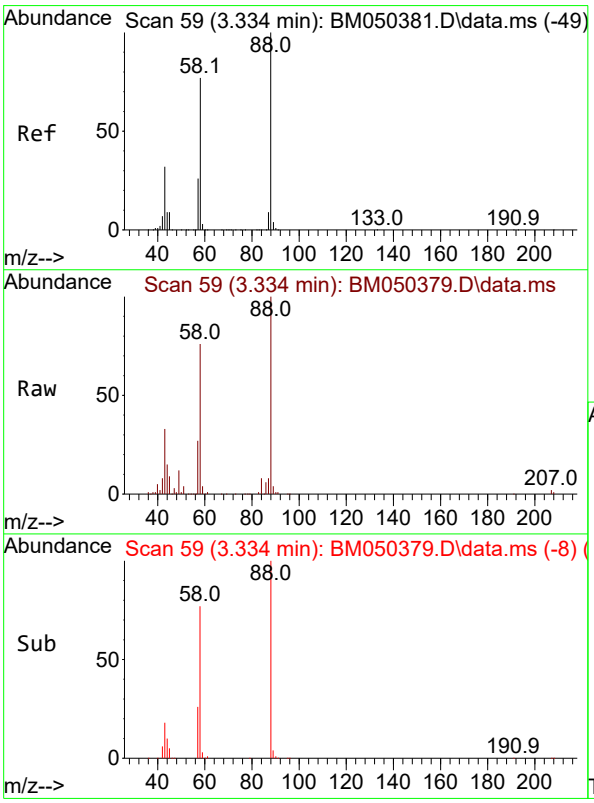

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:152 Resp: 361961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.7 | 126.2 | 189.4 |
| 115 | 55.6 | 45.8 | 68.8 |

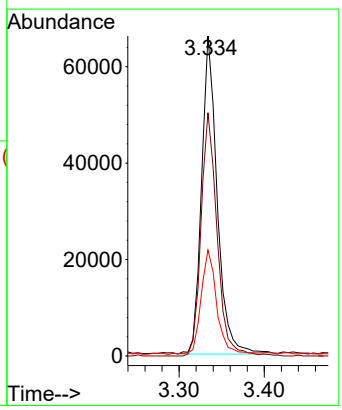


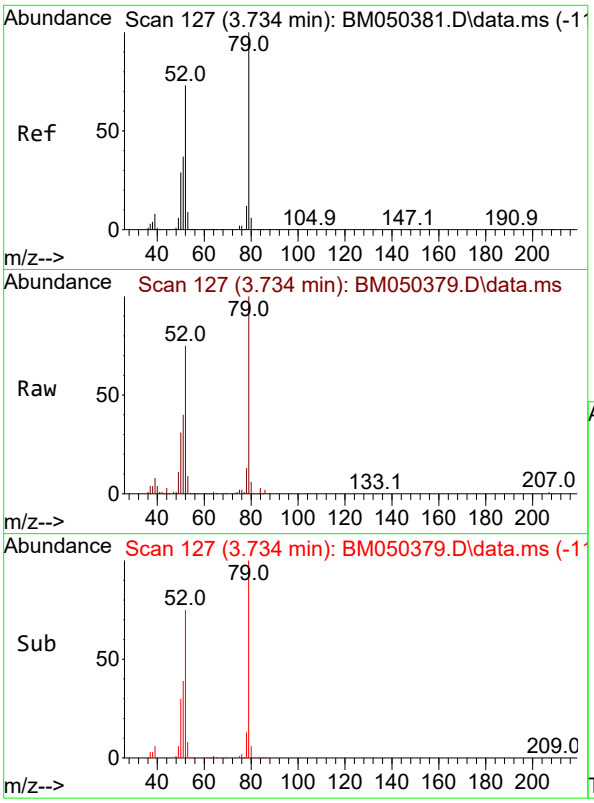




#2
1,4-Dioxane
Concen: 9.752 ng
RT: 3.334 min Scan# 59
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 88 Resp: 84322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 78.0 | 61.0 | 91.6 |
| 43 | 33.0 | 24.6 | 37.0 |



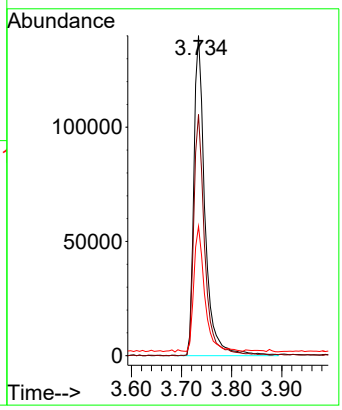


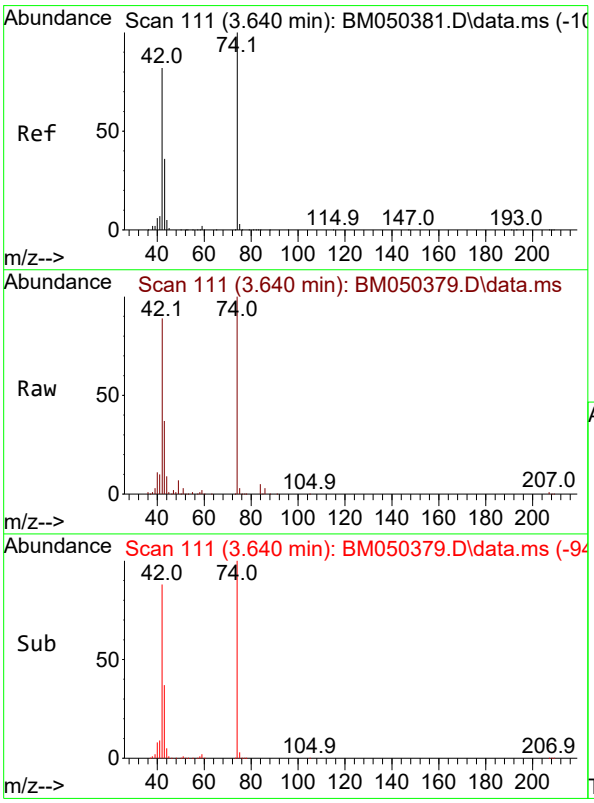

#3
Pyridine
Concen: 9.541 ng
RT: 3.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion: 79 Resp: 216596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 75.4 | 58.3 | 87.5 |
| 51 | 40.4 | 29.6 | 44.4 |

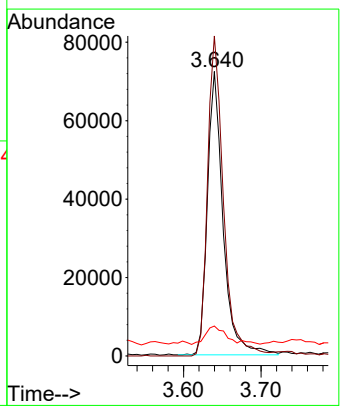


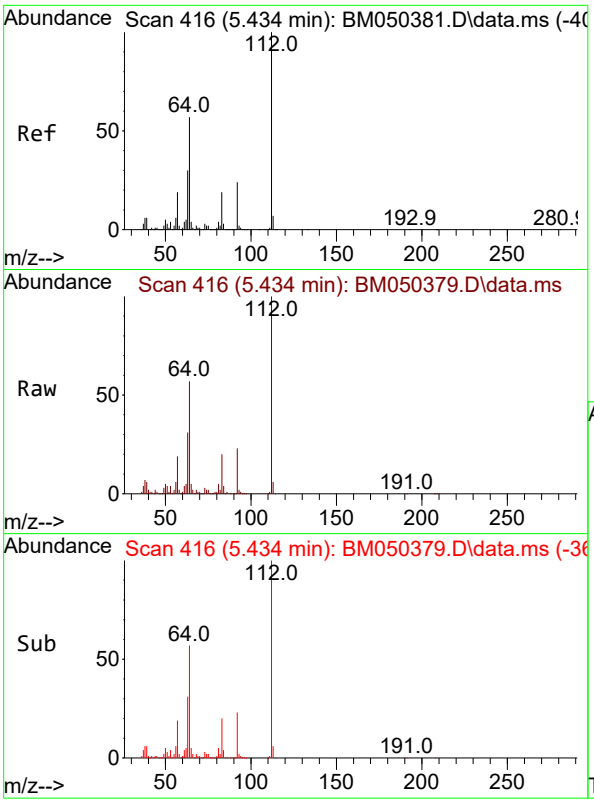




#4
n-Nitrosodimethylamine
Concen: 9.602 ng
RT: 3.640 min Scan# 111
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 42 Resp: 101622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 112.5 | 97.5 | 146.3 |
| 44 | 10.5 | 5.7 | 8.5# |



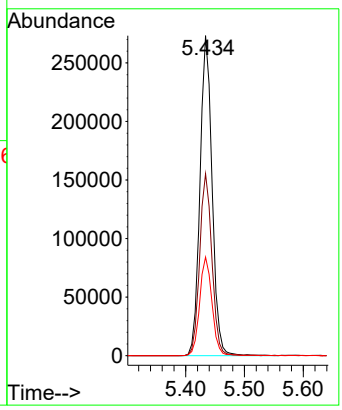


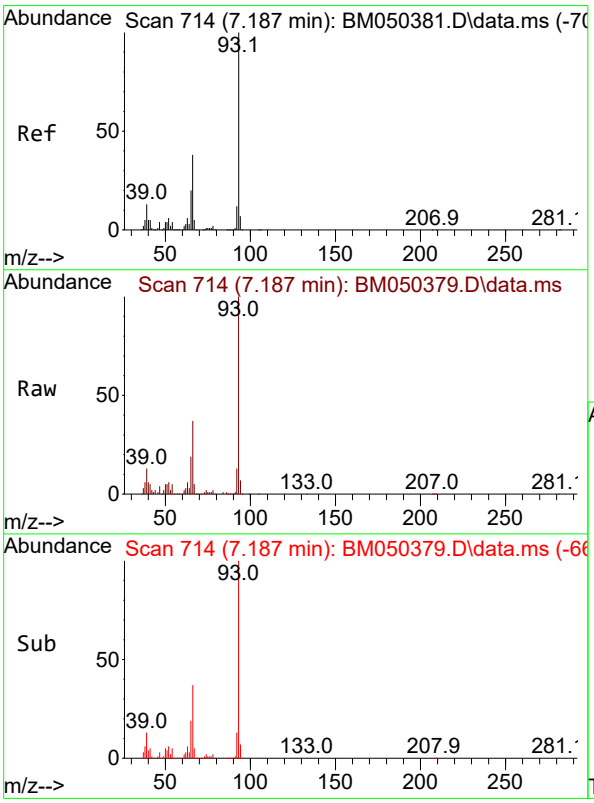

#5
2-Fluorophenol
Concen: 18.566 ng
RT: 5.434 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:112 Resp: 390415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.9 | 45.5 | 68.3 |
| 63 | 30.8 | 24.2 | 36.4 |

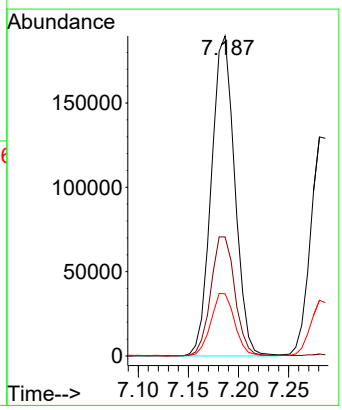


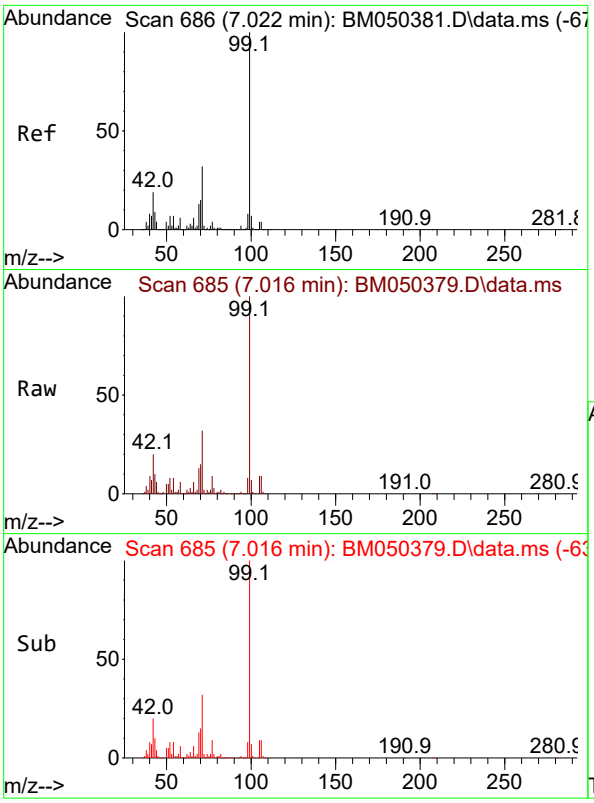




#6
Aniline
Concen: 9.054 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 93 Resp: 308012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 37.2 | 30.5 | 45.7 |
| 65 | 19.5 | 15.9 | 23.9 |



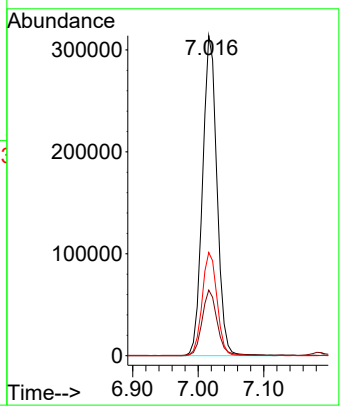


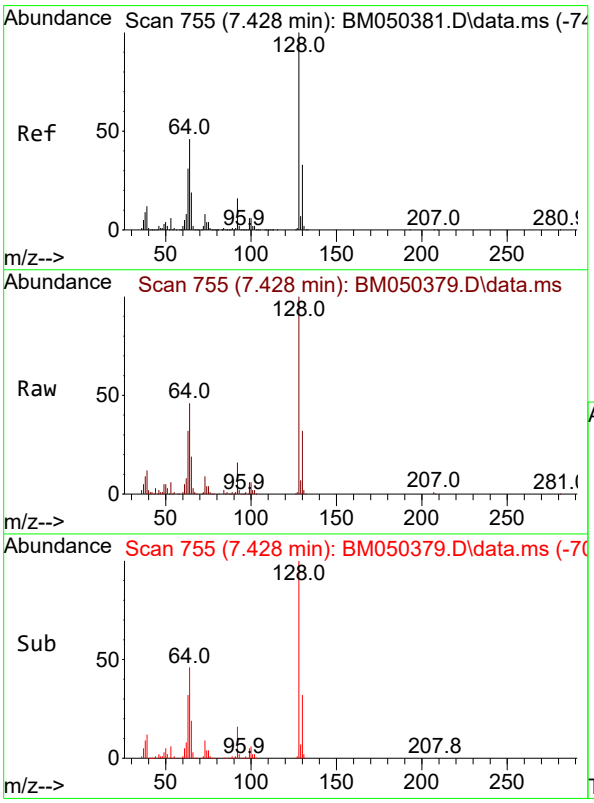

#7
Phenol-d6
Concen: 18.122 ng
RT: 7.016 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion: 99 Resp: 480384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.5 | 15.0 | 22.6 |
| 71 | 32.2 | 25.9 | 38.9 |

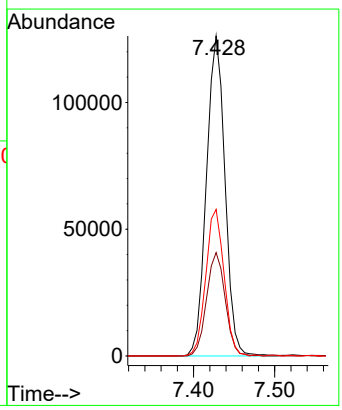


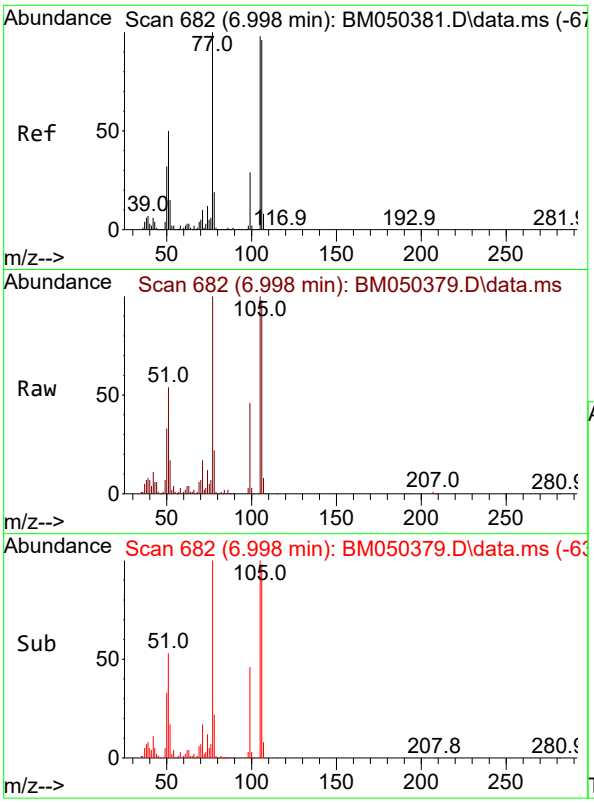




#8
2-Chlorophenol
Concen: 9.022 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:128 Resp: 200037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.3 | 13.3 | 53.3 |
| 64 | 45.8 | 25.6 | 65.6 |



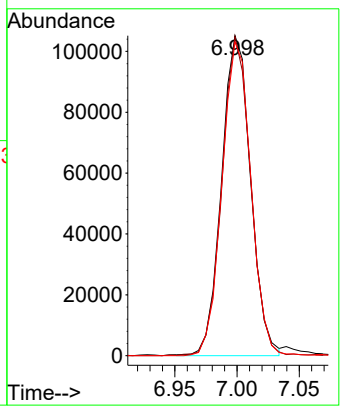


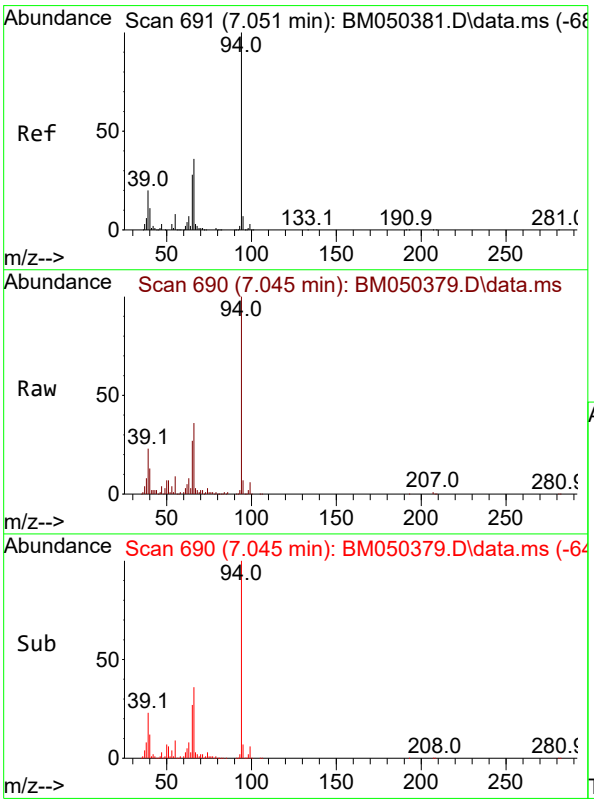

#9
Benzaldehyde
Concen: 10.835 ng m
RT: 6.998 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion: 77 Resp: 170875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.7 | 78.4 | 118.4 |
| 106 | 98.0 | 76.3 | 116.3 |

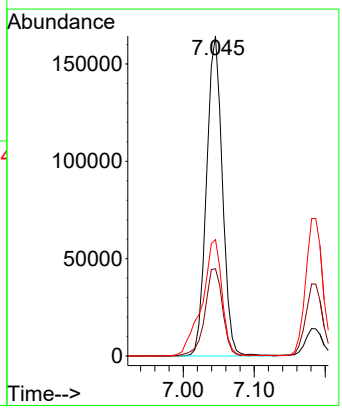


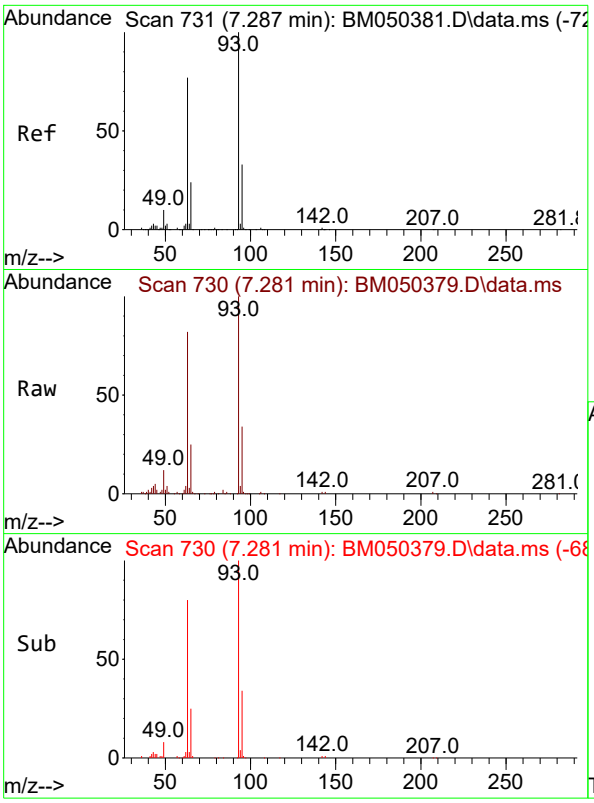




#10
Phenol
Concen: 9.242 ng
RT: 7.045 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 94 Resp: 255531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 27.3 | 8.1 | 48.1 |
| 66 | 36.4 | 15.8 | 55.8 |



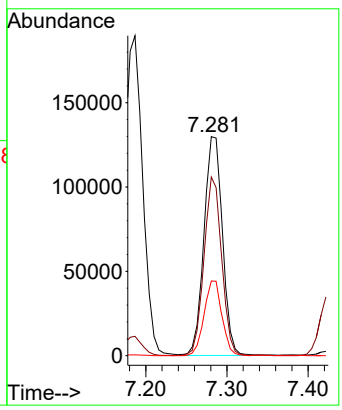


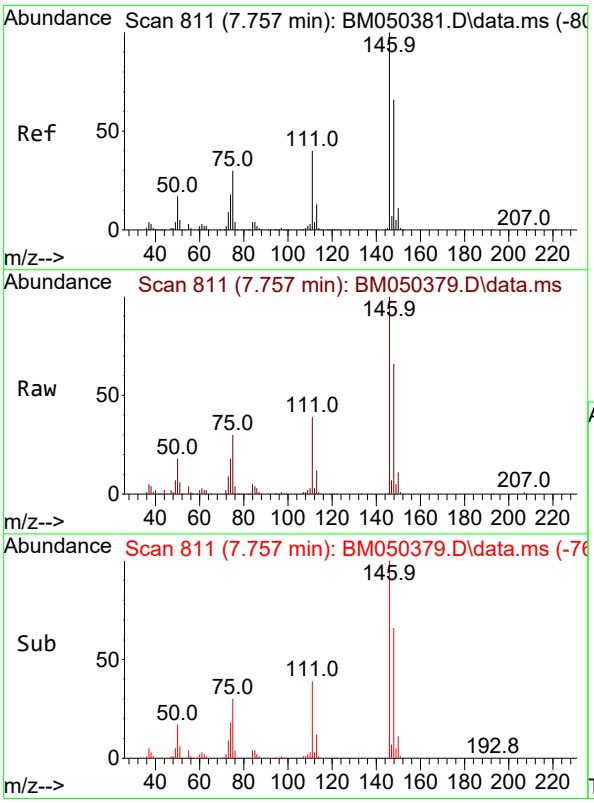

#11
bis(2-Chloroethyl)ether
Concen: 9.265 ng
RT: 7.281 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion: 93 Resp: 205153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 81.6 | 56.9 | 96.9 |
| 95 | 34.1 | 12.6 | 52.6 |

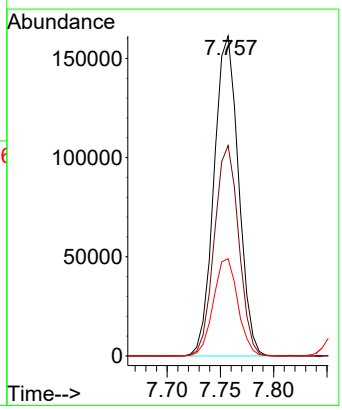


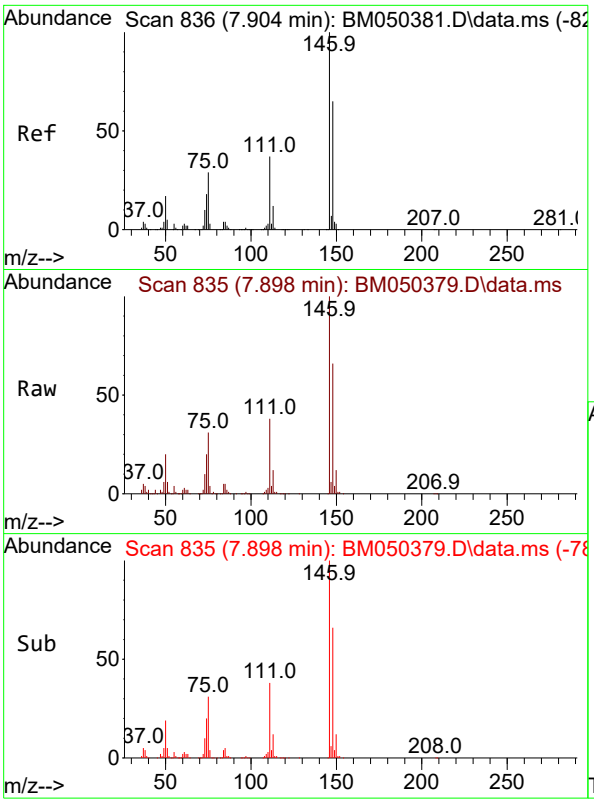




#12
1,3-Dichlorobenzene
Concen: 9.564 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:146 Resp: 257848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.7 | 53.2 | 79.8 |
| 75 | 30.4 | 23.9 | 35.9 |



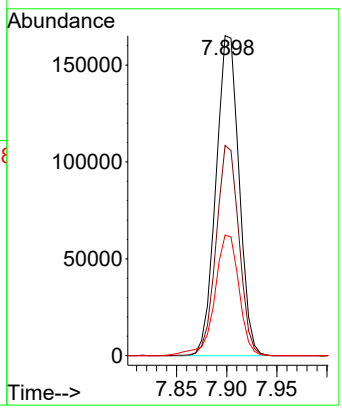


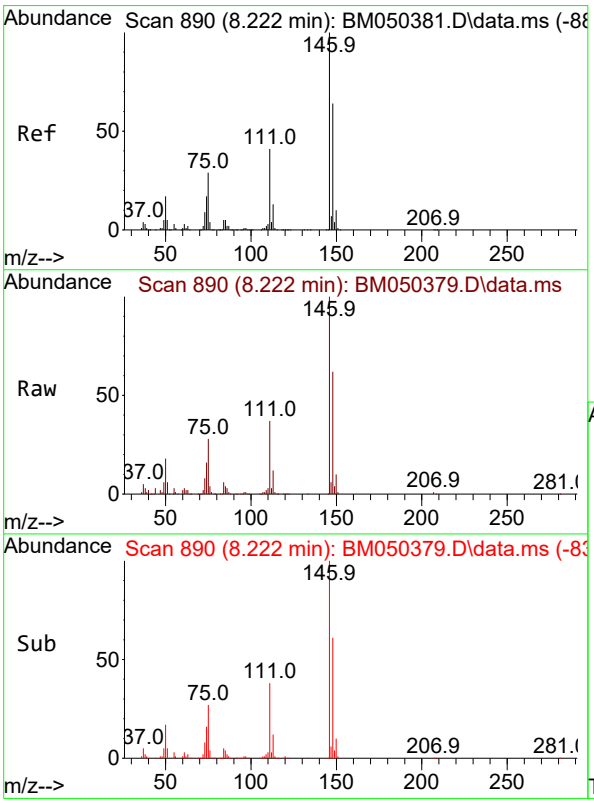

#13
1,4-Dichlorobenzene
Concen: 9.592 ng
RT: 7.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:146 Resp: 264062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.7 | 51.9 | 77.9 |
| 111 | 37.7 | 30.0 | 45.0 |

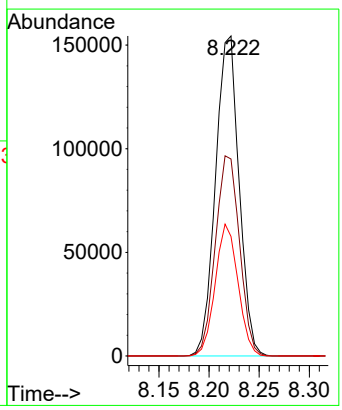


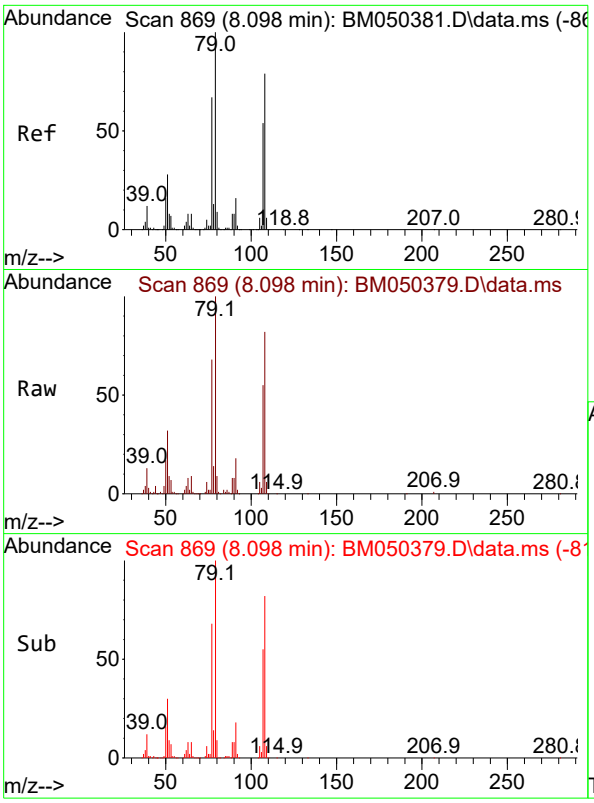




#14
1,2-Dichlorobenzene
Concen: 9.577 ng
RT: 8.222 min Scan# 890
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:146 Resp: 252415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 61.5 | 51.5 | 77.3 |
| 111 | 37.4 | 32.6 | 49.0 |



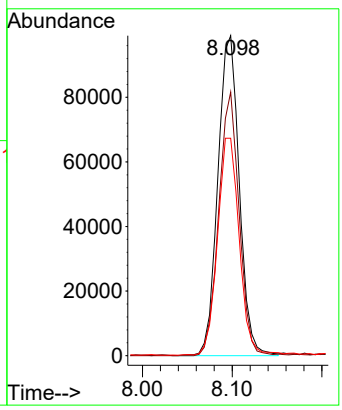


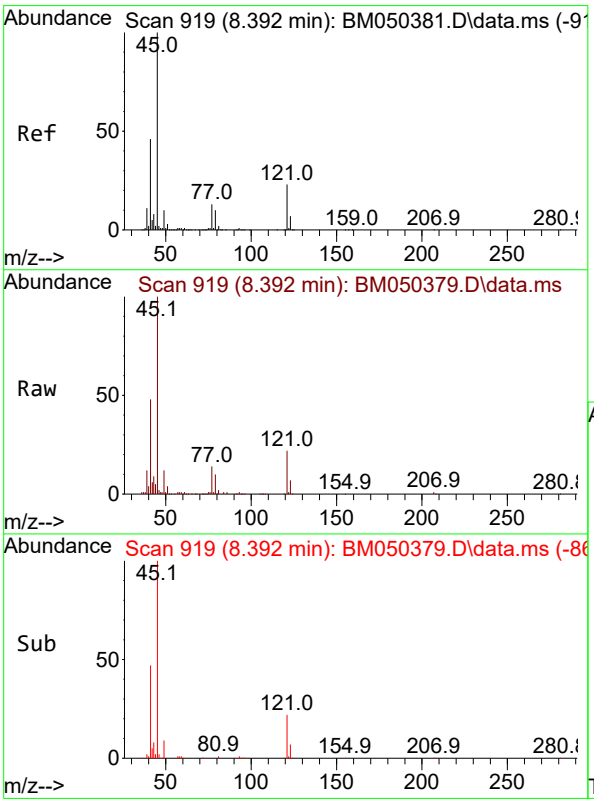

#15
Benzyl Alcohol
Concen: 8.790 ng
RT: 8.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion: 79 Resp: 164181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 82.4 | 63.0 | 94.4 |
| 77 | 67.9 | 53.4 | 80.0 |

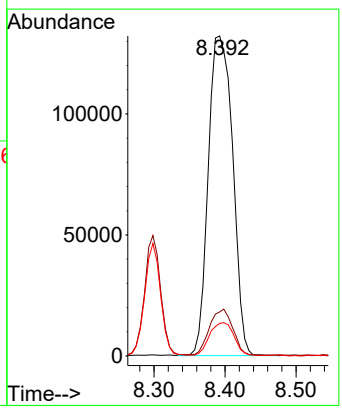


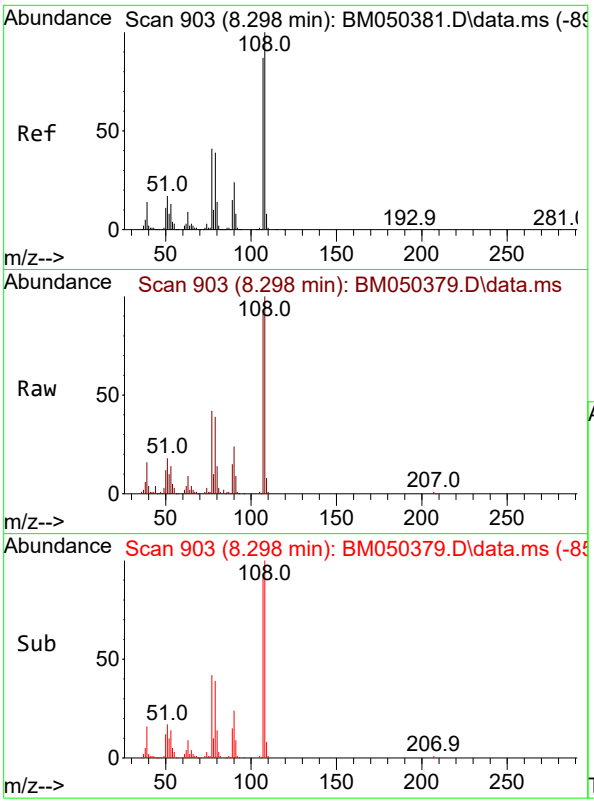




#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.659 ng
RT: 8.392 min Scan# 919
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 45 Resp: 315036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.7 | 0.0 | 33.5 |
| 79 | 10.2 | 0.0 | 30.3 |



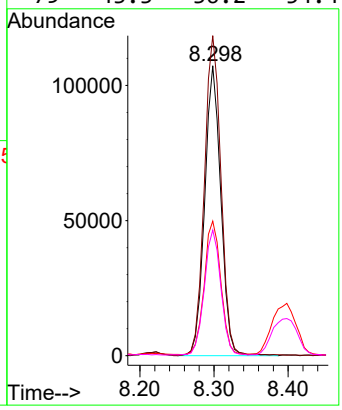


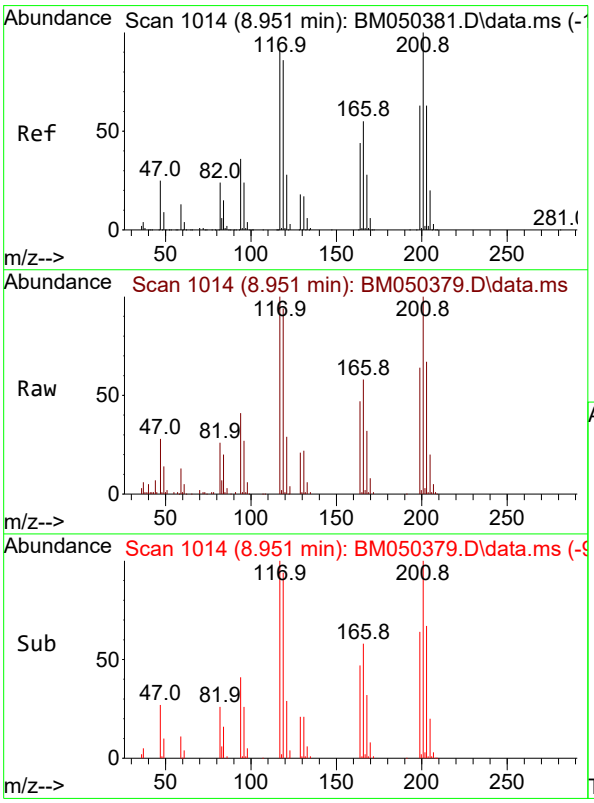

#17
2-Methylphenol
Concen: 9.067 ng
RT: 8.298 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:107 Resp: 162594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 110.4 | 92.1 | 138.1 |
| 77 | 46.4 | 38.2 | 57.4 |
| 79 | 43.3 | 36.2 | 54.4 |

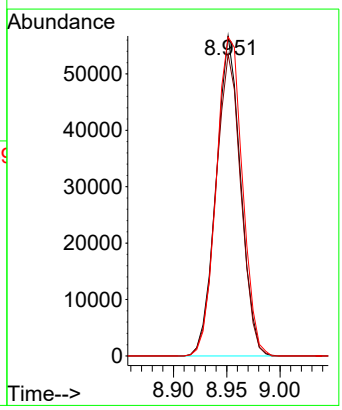


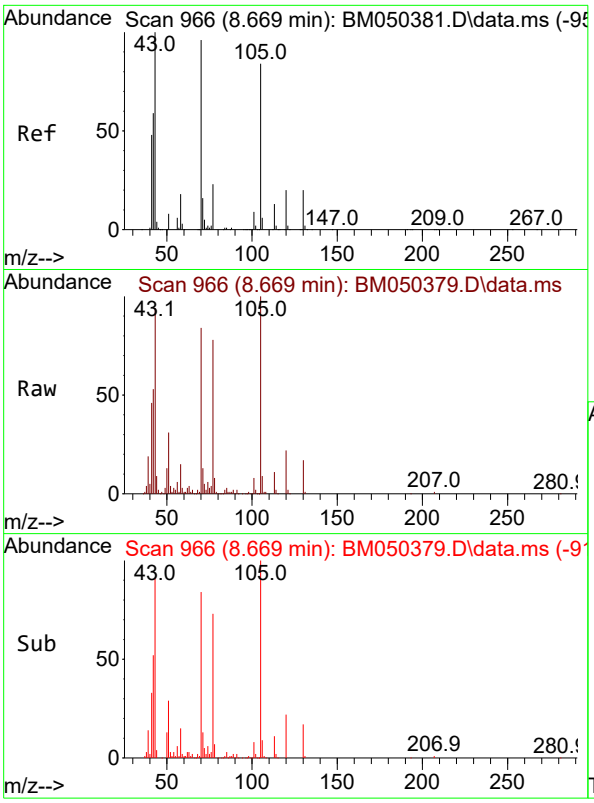




#18
Hexachloroethane
Concen: 9.370 ng
RT: 8.951 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:117 Resp: 90719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.3 | 75.6 | 113.4 |
| 201 | 99.7 | 87.9 | 131.9 |



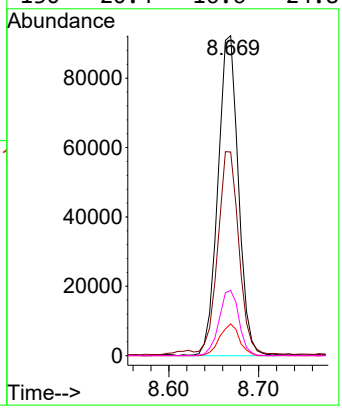


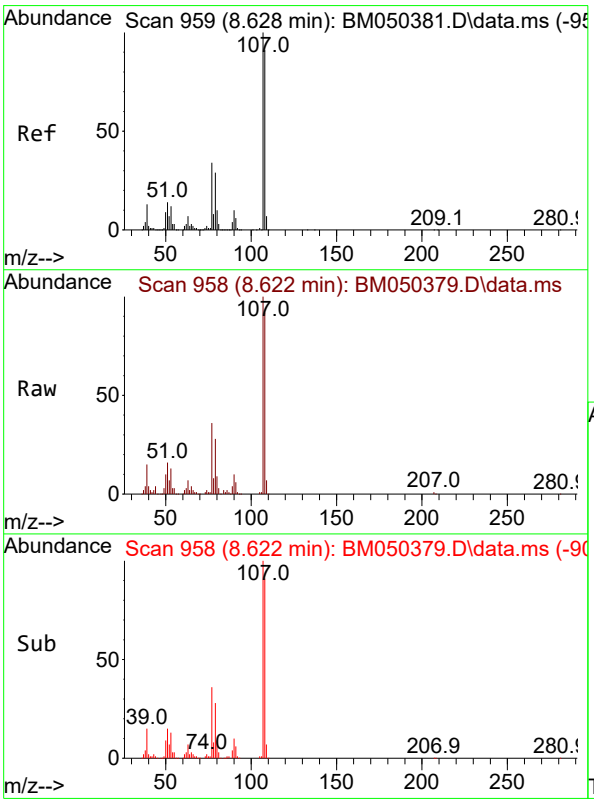

#19
n-Nitroso-di-n-propylamine
Concen: 9.106 ng
RT: 8.669 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion: 70 Resp: 146225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 63.7 | 49.7 | 74.5 |
| 101 | 10.0 | 7.7 | 11.5 |
| 130 | 20.4 | 16.6 | 24.8 |

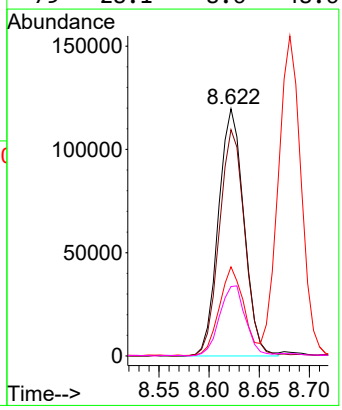


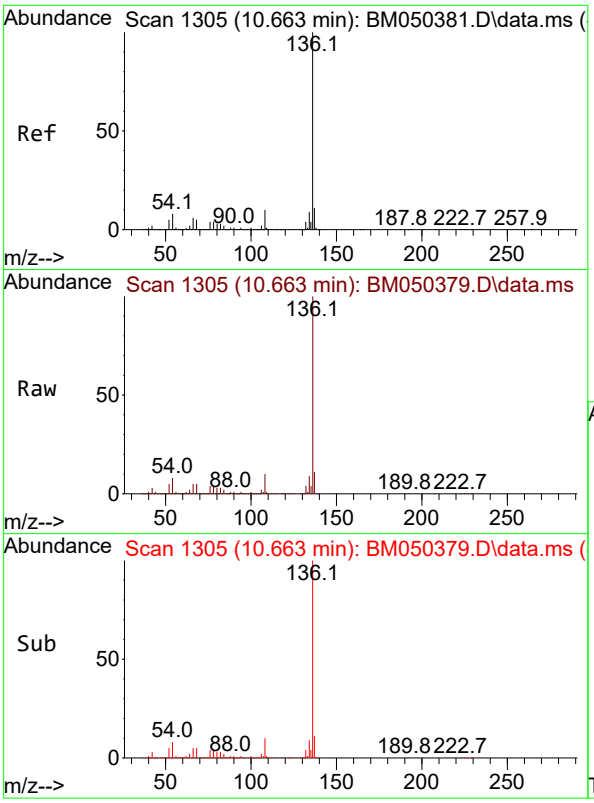




#20
3+4-Methylphenols
Concen: 8.798 ng
RT: 8.622 min Scan# 958
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:107 Resp: 211795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.5 | 71.5 | 111.5 |
| 77 | 36.1 | 13.7 | 53.7 |
| 79 | 28.1 | 8.6 | 48.6 |



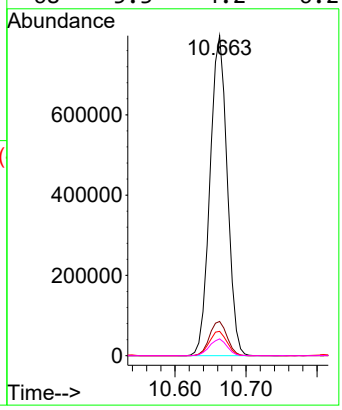


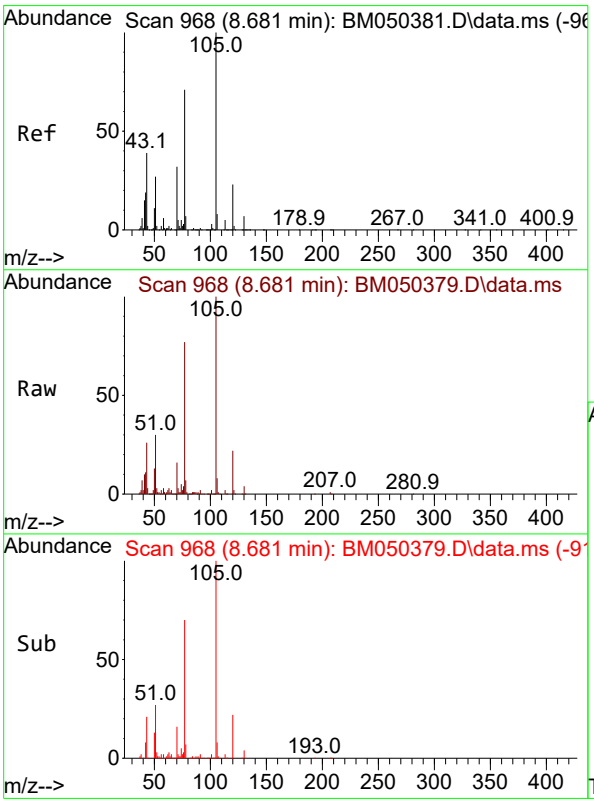

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:136 Resp: 1342132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.8 | 13.2 |
| 54 | 7.6 | 6.3 | 9.5 |
| 68 | 5.3 | 4.2 | 6.2 |

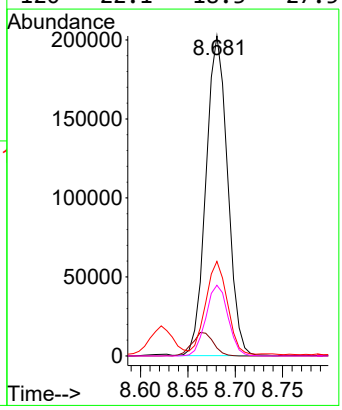


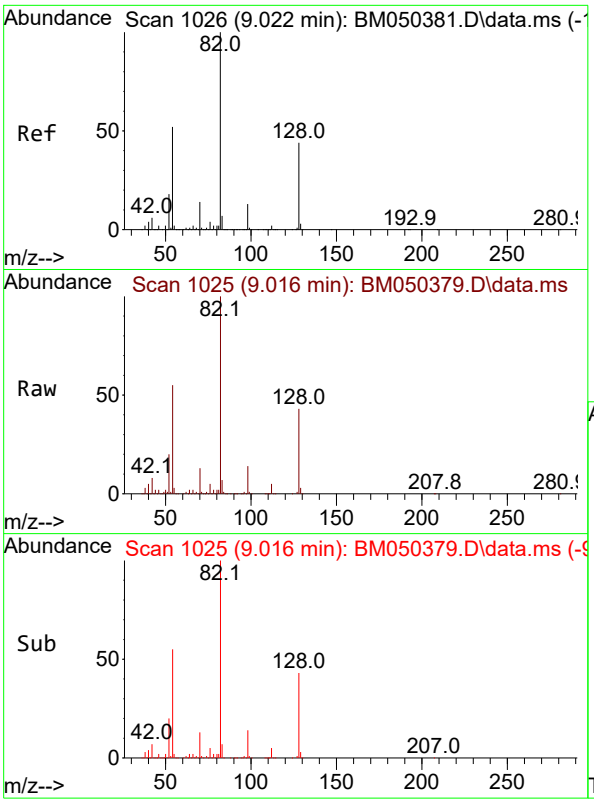




#22
Acetophenone
Concen: 9.576 ng
RT: 8.681 min Scan# 968
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:105 Resp: 321333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.5 | 4.4 | 6.6# |
| 51 | 29.6 | 23.0 | 34.6 |
| 120 | 22.1 | 18.3 | 27.5 |



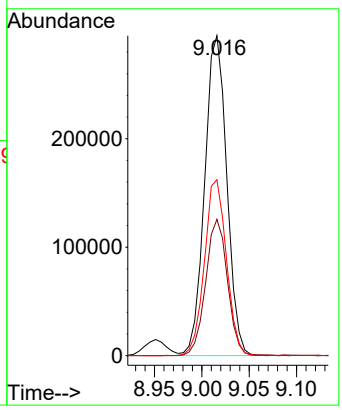


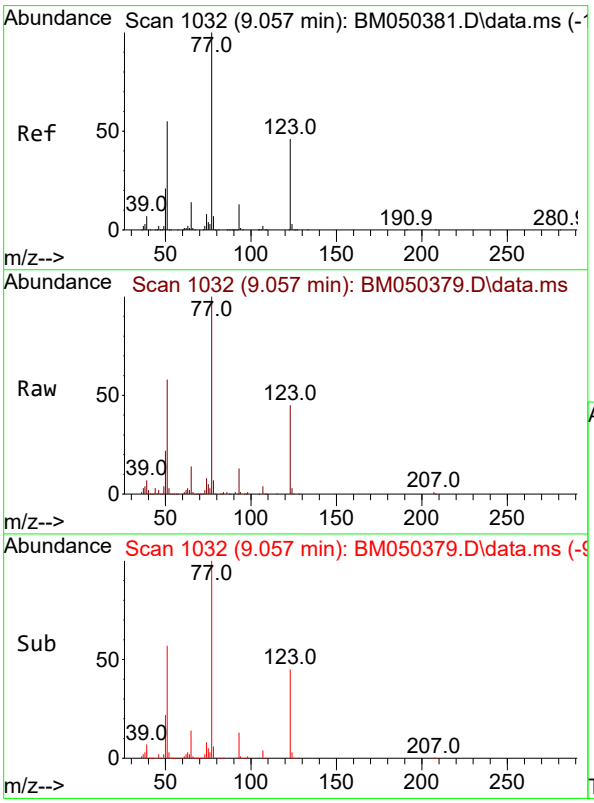

#23
Nitrobenzene-d5
Concen: 18.129 ng
RT: 9.016 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion: 82 Resp: 476926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.6 | 35.2 | 52.8 |
| 54 | 55.0 | 41.5 | 62.3 |

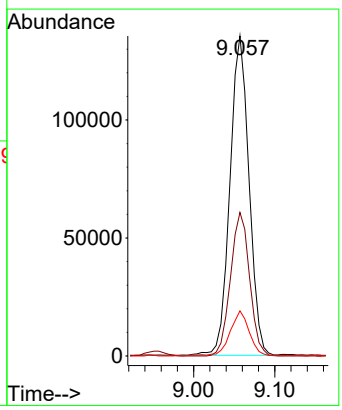


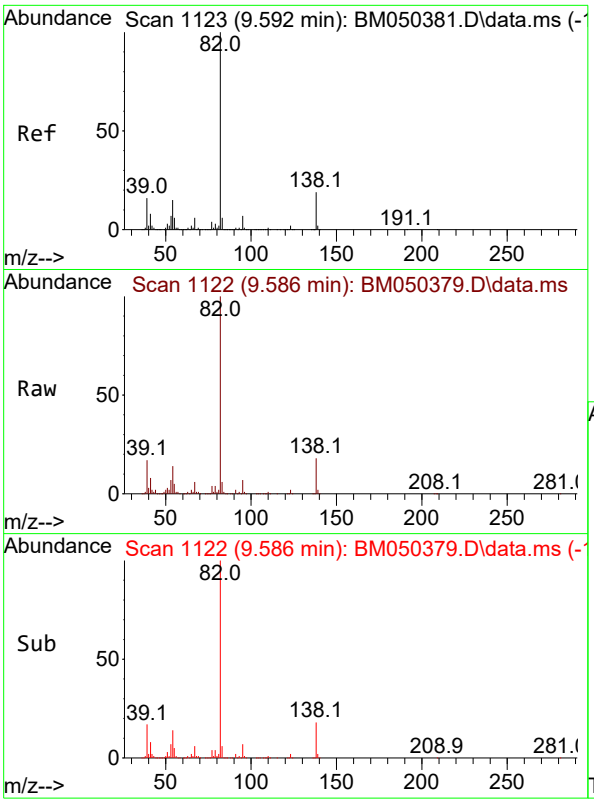




#24
Nitrobenzene
Concen: 9.408 ng
RT: 9.057 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 77 Resp: 220849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 44.8 | 37.0 | 55.6 |
| 65 | 14.1 | 11.0 | 16.4 |



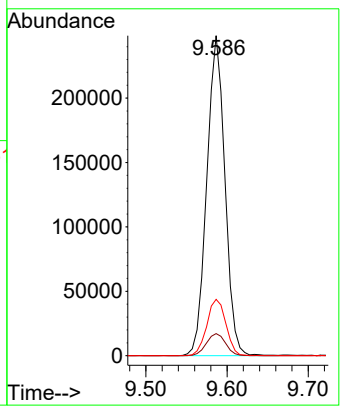


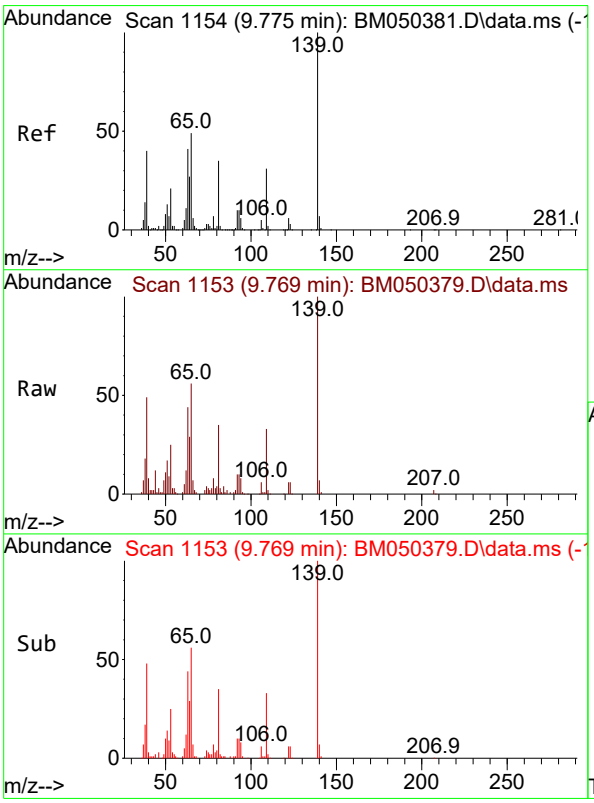

#25
Isophorone
Concen: 9.031 ng
RT: 9.586 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion: 82 Resp: 385498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.9 | 5.6 | 8.4 |
| 138 | 17.6 | 15.3 | 22.9 |

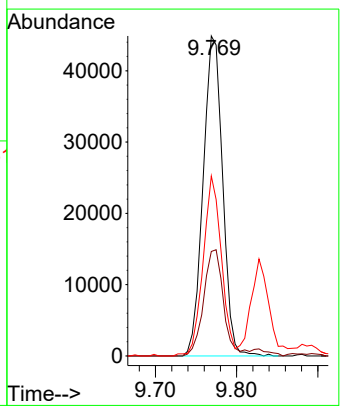


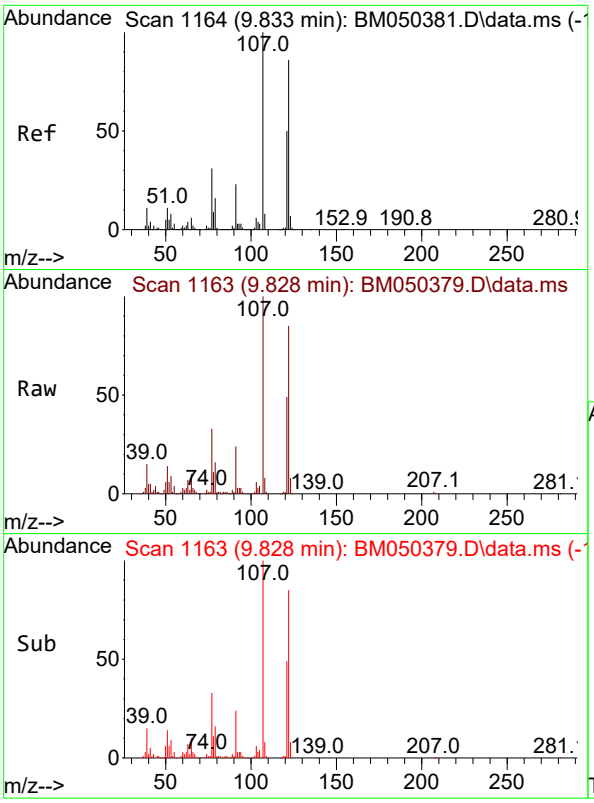




#26
2-Nitrophenol
Concen: 7.822 ng
RT: 9.769 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:139 Resp: 74836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.6 | 24.6 | 36.8 |
| 65 | 56.3 | 39.2 | 58.8 |



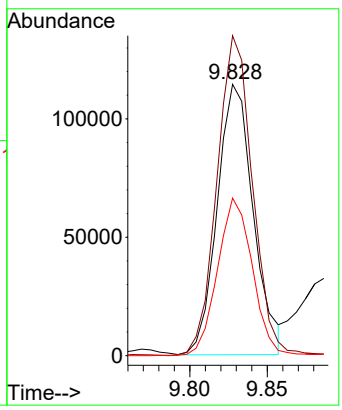


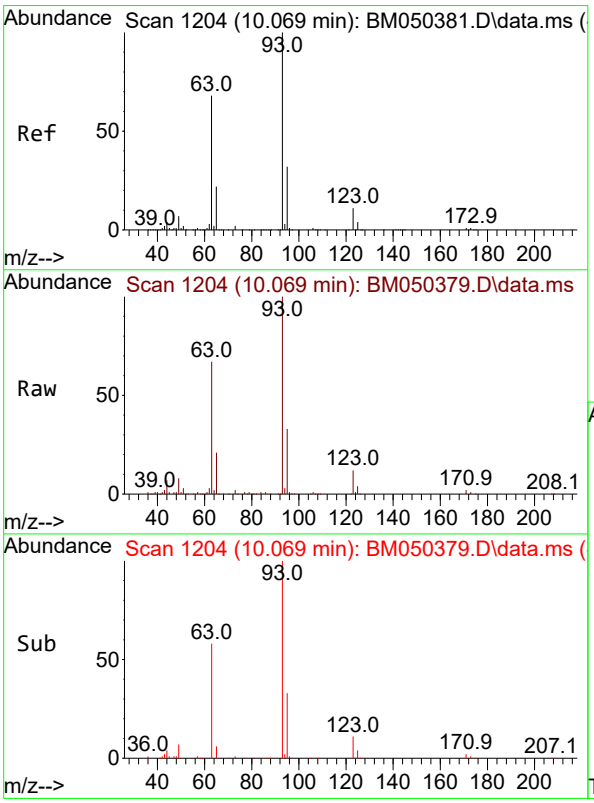

#27
2,4-Dimethylphenol
Concen: 9.073 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:122 Resp: 184710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 117.9 | 93.0 | 139.6 |
| 121 | 58.1 | 46.1 | 69.1 |

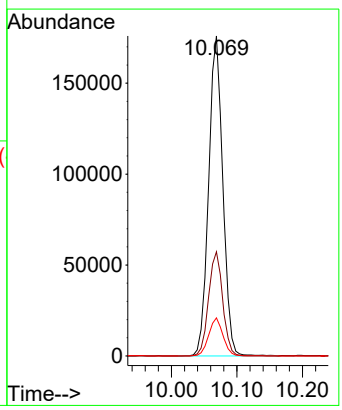


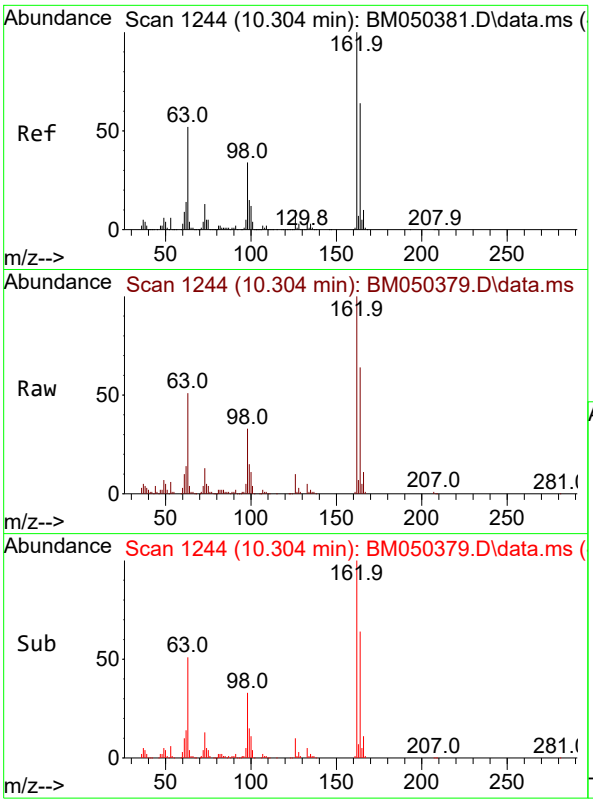




#28
bis(2-Chloroethoxy)methane
Concen: 9.361 ng
RT: 10.069 min Scan# 1204
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 93 Resp: 264798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.5 | 25.8 | 38.6 |
| 123 | 11.9 | 9.1 | 13.7 |



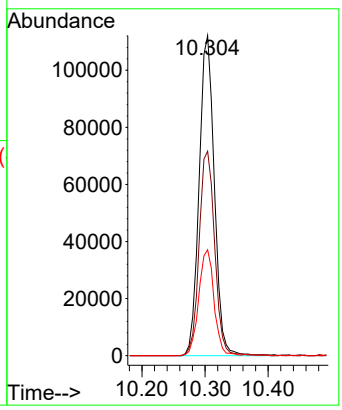


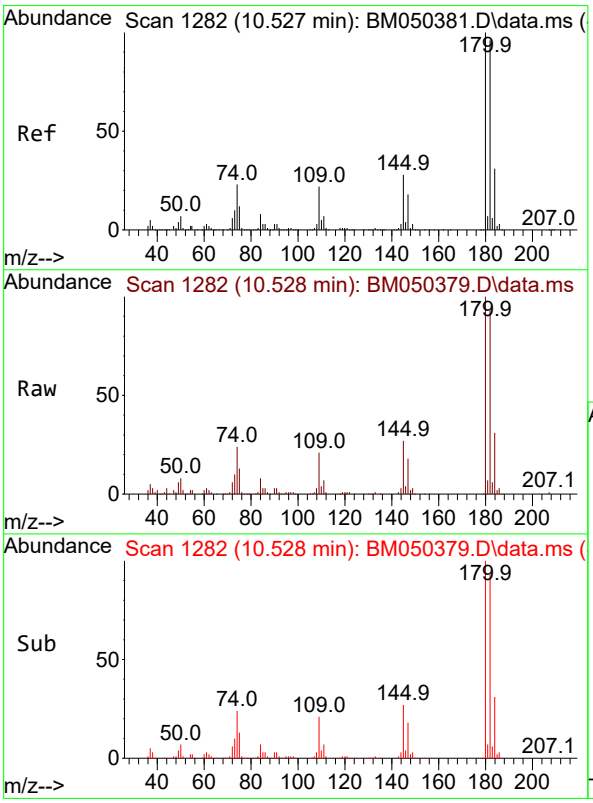

#29
2,4-Dichlorophenol
Concen: 8.961 ng
RT: 10.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:162 Resp: 187427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.9 | 43.7 | 83.7 |
| 98 | 33.1 | 13.7 | 53.7 |

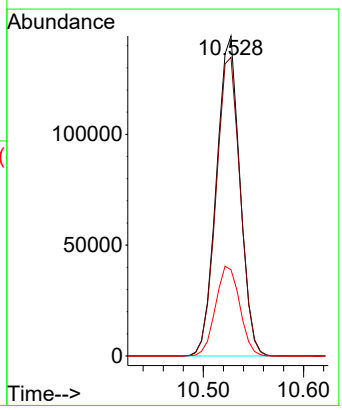


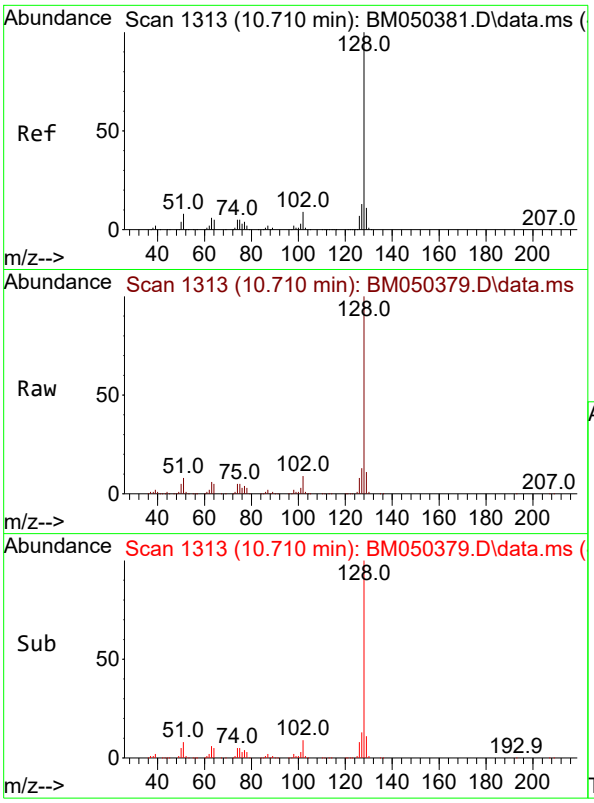




#30
1,2,4-Trichlorobenzene
Concen: 9.364 ng
RT: 10.528 min Scan# 1282
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:180 Resp: 234305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.4 | 76.8 | 115.2 |
| 145 | 27.0 | 22.6 | 33.8 |



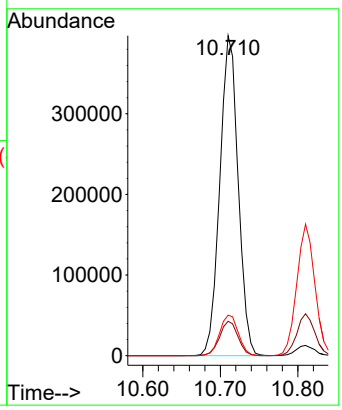


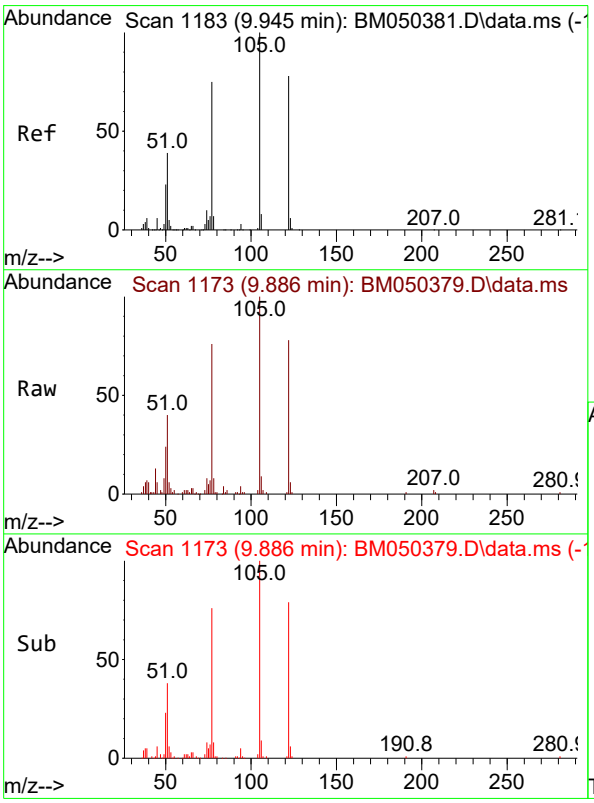

#31
Naphthalene
Concen: 9.593 ng
RT: 10.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:128 Resp: 653977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.7 | 8.8 | 13.2 |
| 127 | 12.7 | 10.4 | 15.6 |

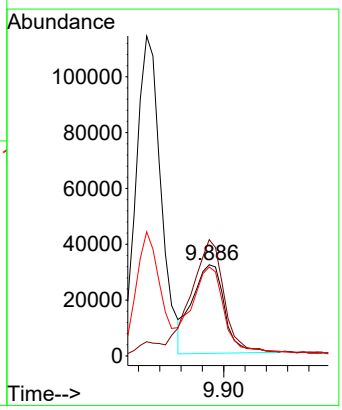


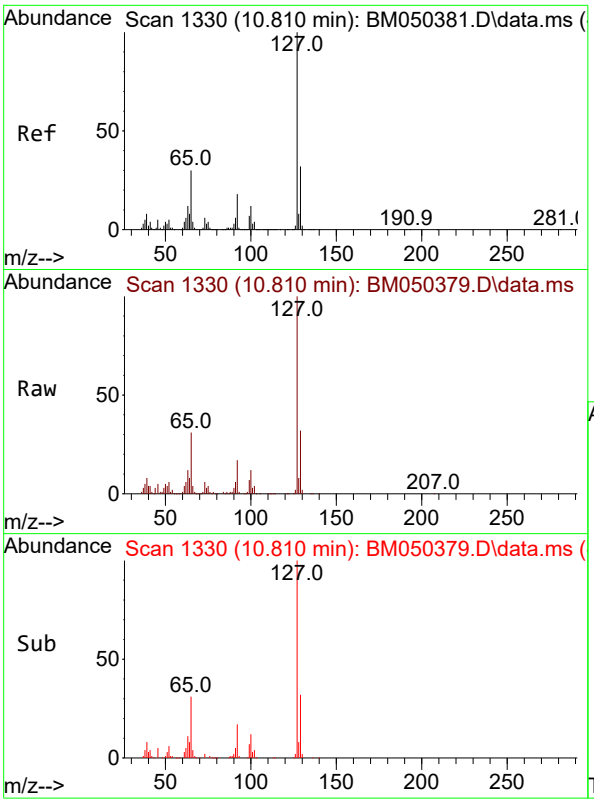




#32
Benzoic acid
Concen: 10.696 ng
RT: 9.886 min Scan# 1173
Delta R.T. -0.059 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:122 Resp: 67388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 127.5 | 104.0 | 144.0 |
| 77 | 97.5 | 73.8 | 113.8 |



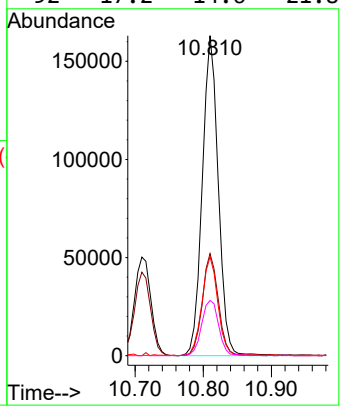


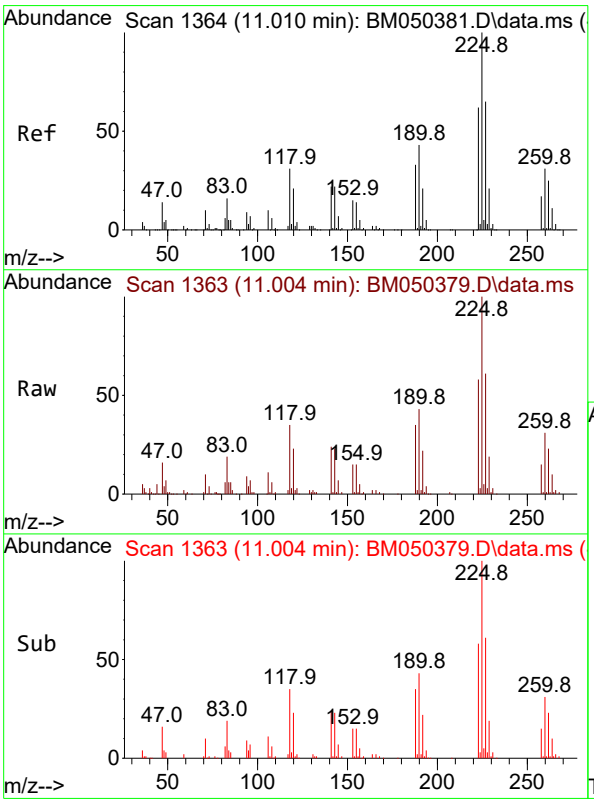

#33
4-Chloroaniline
Concen: 9.240 ng
RT: 10.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:127 Resp: 266307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.9 | 25.5 | 38.3 |
| 65 | 31.0 | 23.9 | 35.9 |
| 92 | 17.2 | 14.6 | 21.8 |

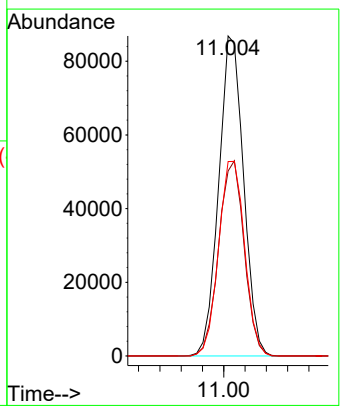


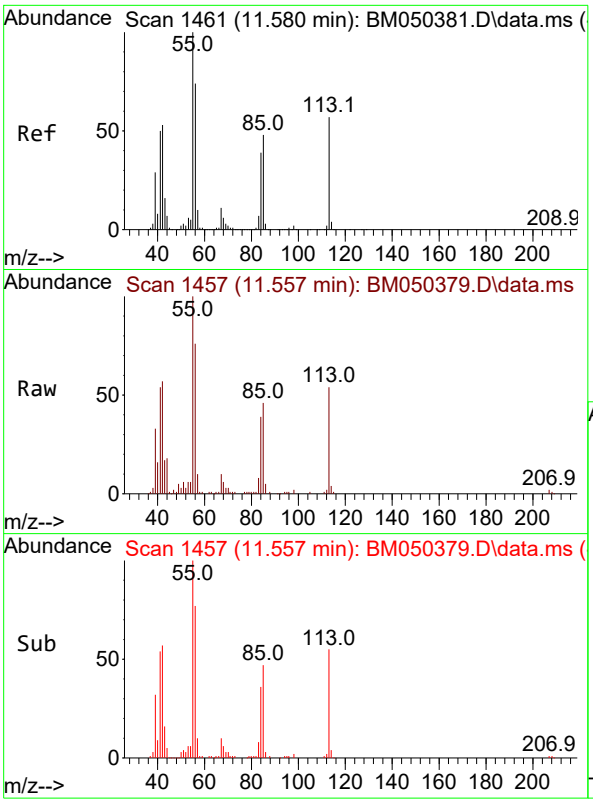




#34
Hexachlorobutadiene
Concen: 9.205 ng
RT: 11.004 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:225 Resp: 140567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 57.8 | 49.7 | 74.5 |
| 227 | 60.8 | 52.1 | 78.1 |



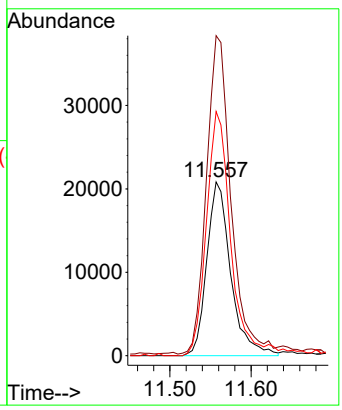


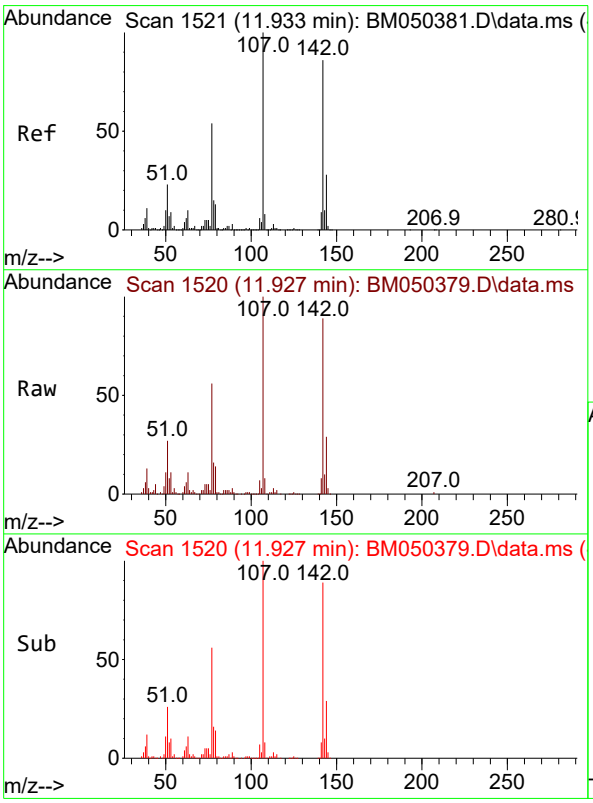

#35
Caprolactam
Concen: 7.474 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:113 Resp: 42675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 184.1 | 157.2 | 197.2 |
| 56 | 140.5 | 111.7 | 151.7 |

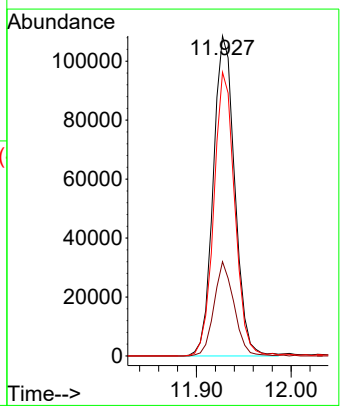


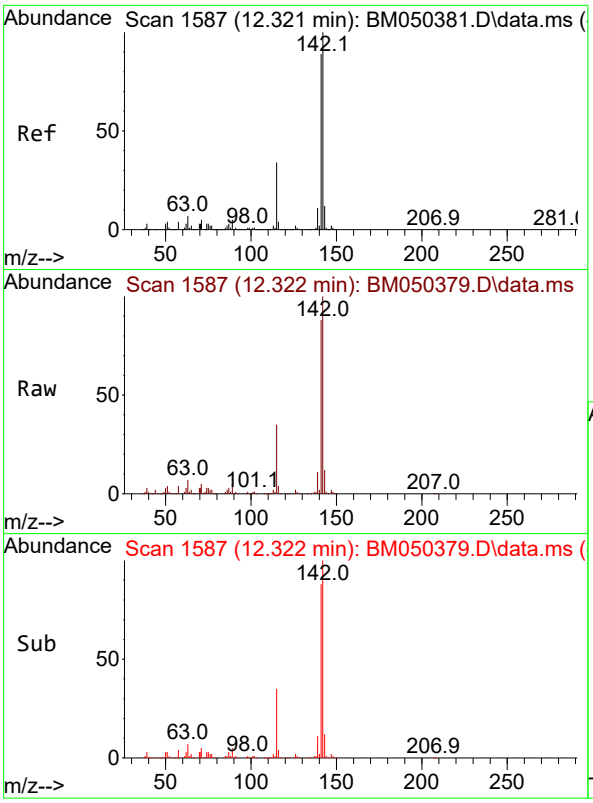




#36
4-Chloro-3-methylphenol
Concen: 8.781 ng
RT: 11.927 min Scan# 1520
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:107 Resp: 171511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 29.5 | 22.2 | 33.4 |
| 142 | 88.7 | 68.7 | 103.1 |



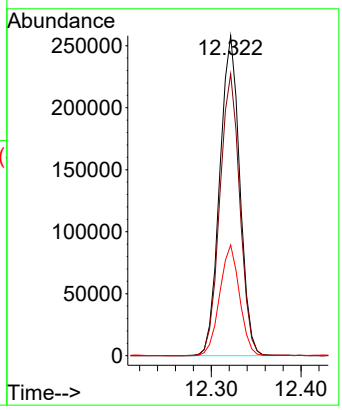


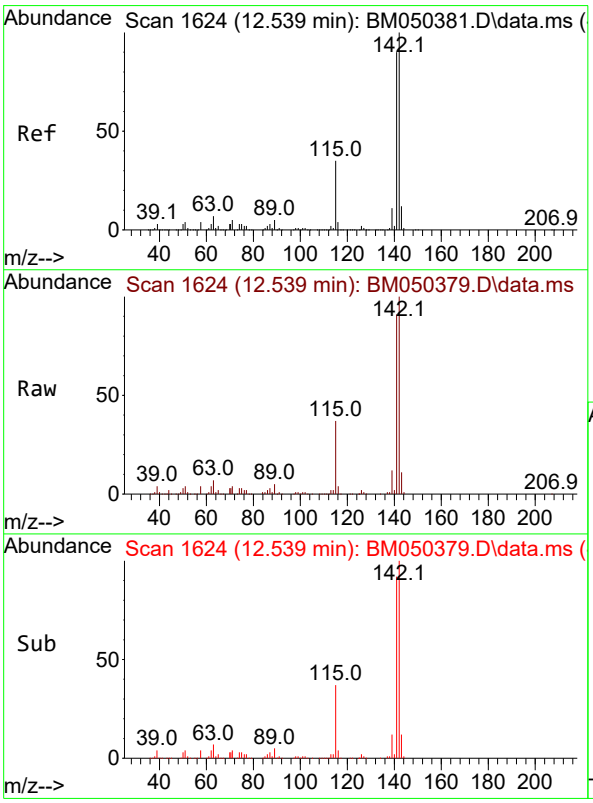

#37
2-Methylnaphthalene
Concen: 9.283 ng
RT: 12.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:142 Resp: 399569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.0 | 70.8 | 106.2 |
| 115 | 34.6 | 27.0 | 40.4 |

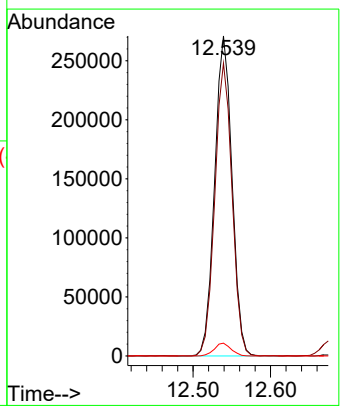


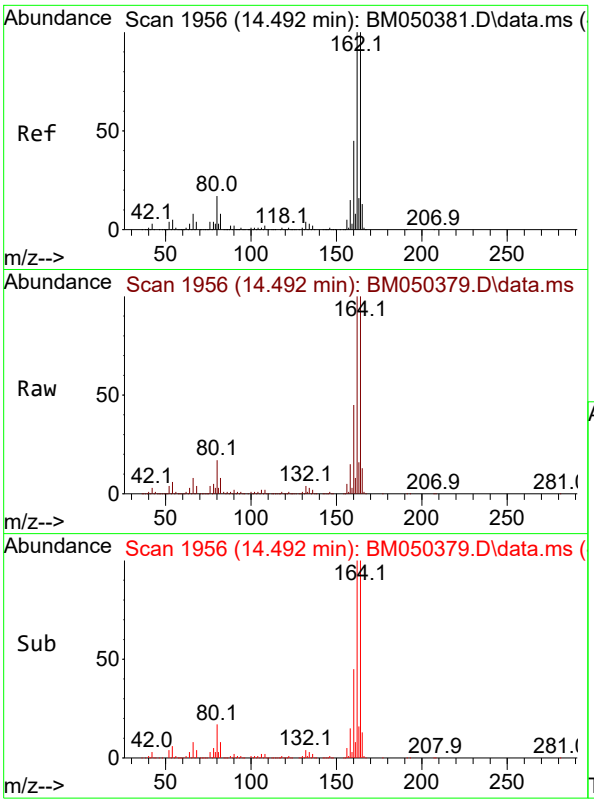




#38
1-Methylnaphthalene
Concen: 9.267 ng
RT: 12.539 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:142 Resp: 422148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.5 | 71.9 | 107.9 |
| 116 | 4.0 | 3.0 | 4.6 |



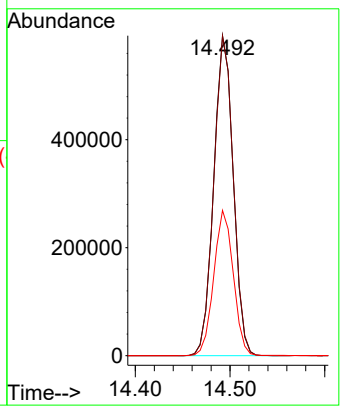


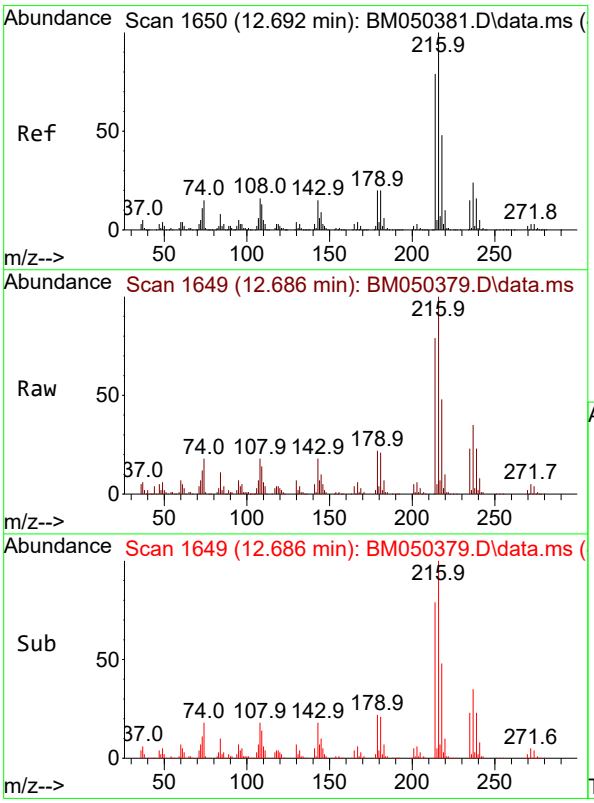

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:164 Resp: 846249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.9 | 79.9 | 119.9 |
| 160 | 45.4 | 36.2 | 54.4 |

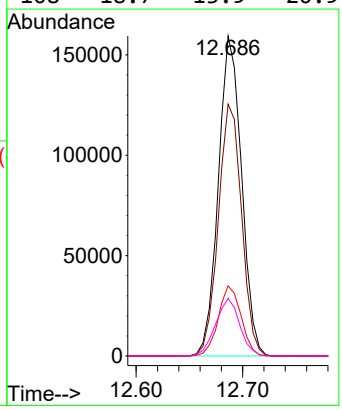


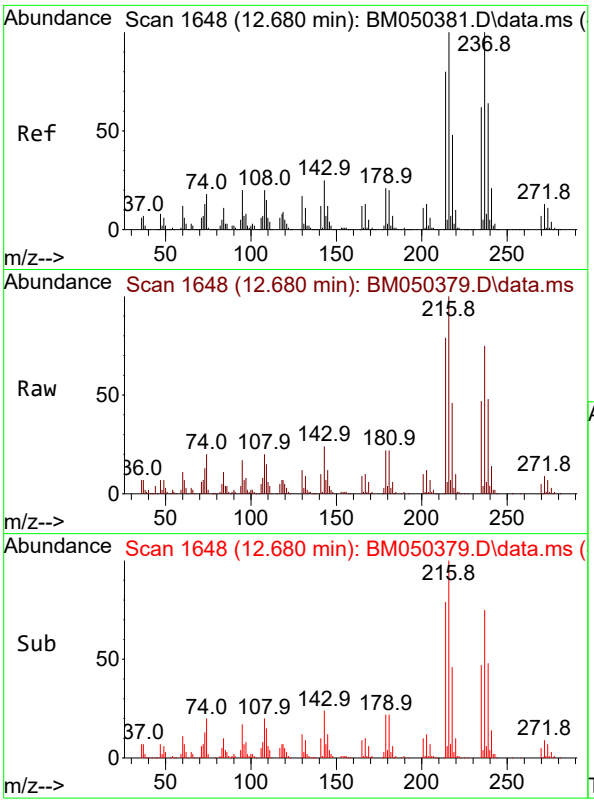




#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.952 ng
RT: 12.686 min Scan# 1649
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:216 Resp: 240904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.9 | 63.3 | 94.9 |
| 179 | 21.5 | 16.4 | 24.6 |
| 108 | 18.7 | 13.9 | 20.9 |



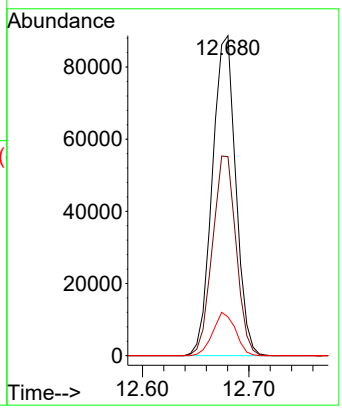


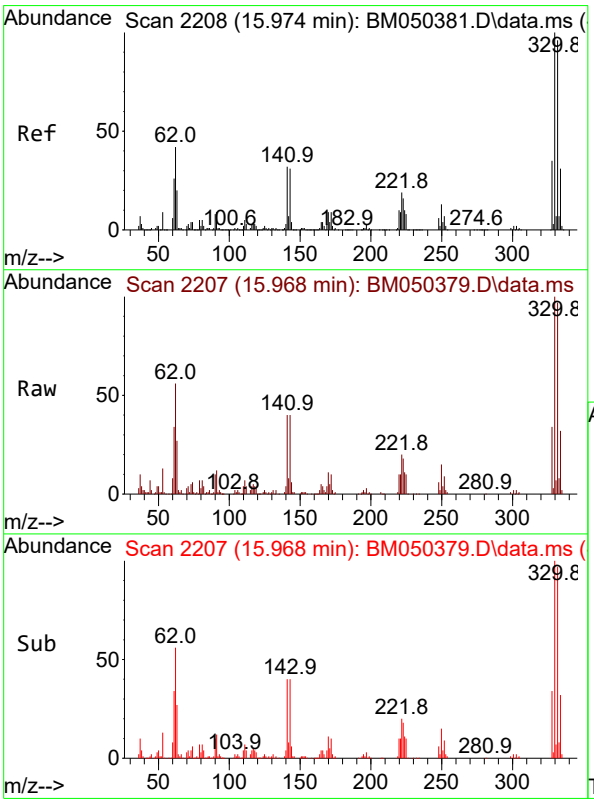

#41
Hexachlorocyclopentadiene
Concen: 7.881 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:237 Resp: 135571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.2 | 42.3 | 82.3 |
| 272 | 12.1 | 0.0 | 33.0 |

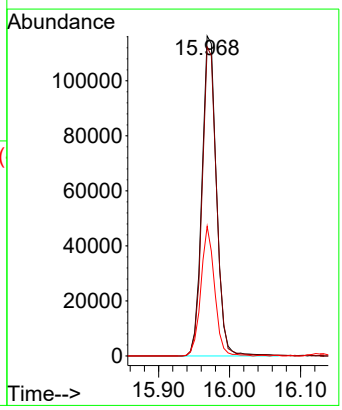


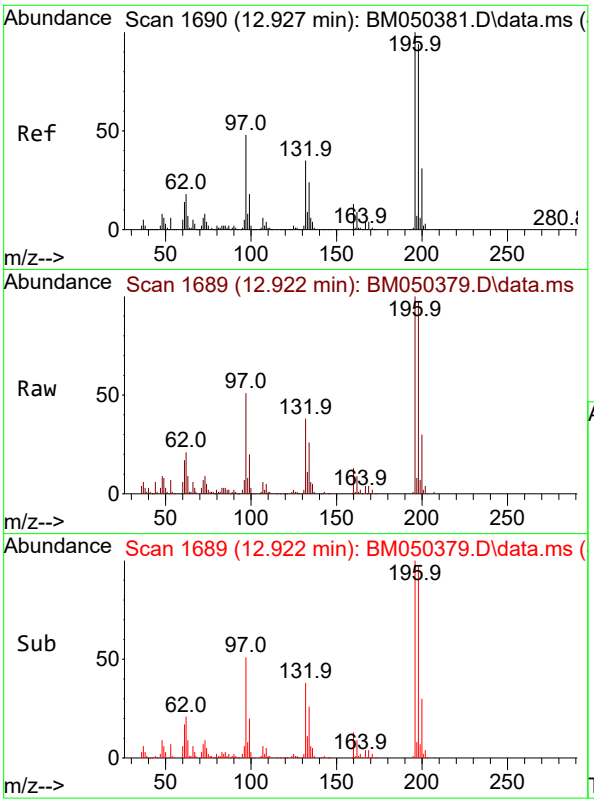




#42
2,4,6-Tribromophenol
Concen: 16.086 ng
RT: 15.968 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:330 Resp: 165401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 76.9 | 115.3 |
| 141 | 38.3 | 27.4 | 41.0 |



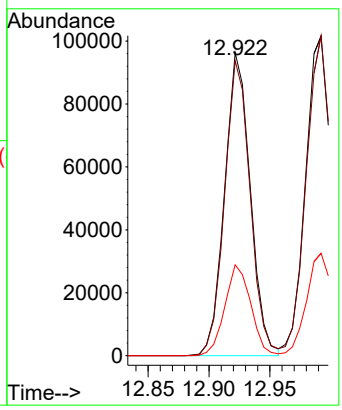


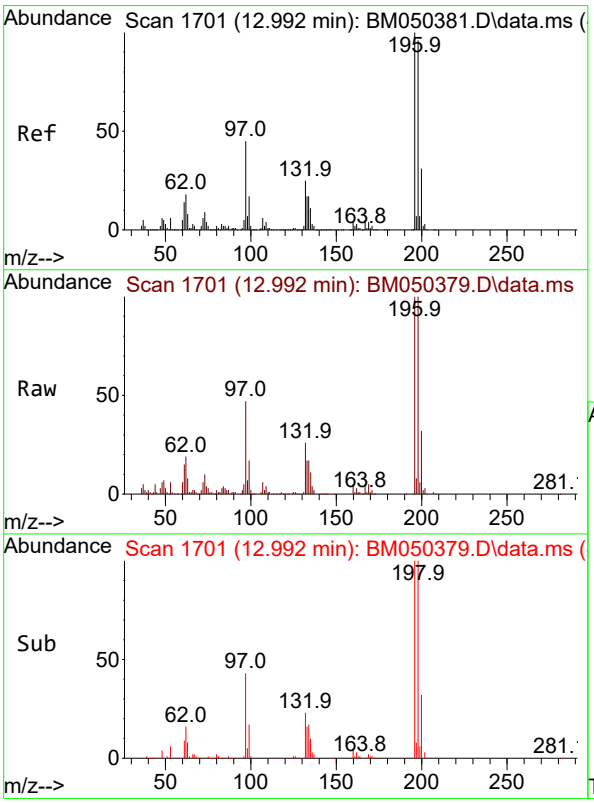

#43
2,4,6-Trichlorophenol
Concen: 8.560 ng
RT: 12.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:196 Resp: 141791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.3 | 75.1 | 112.7 |
| 200 | 30.0 | 24.6 | 37.0 |

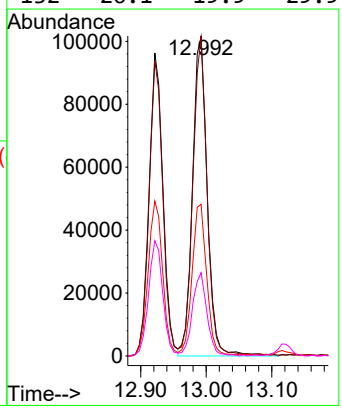


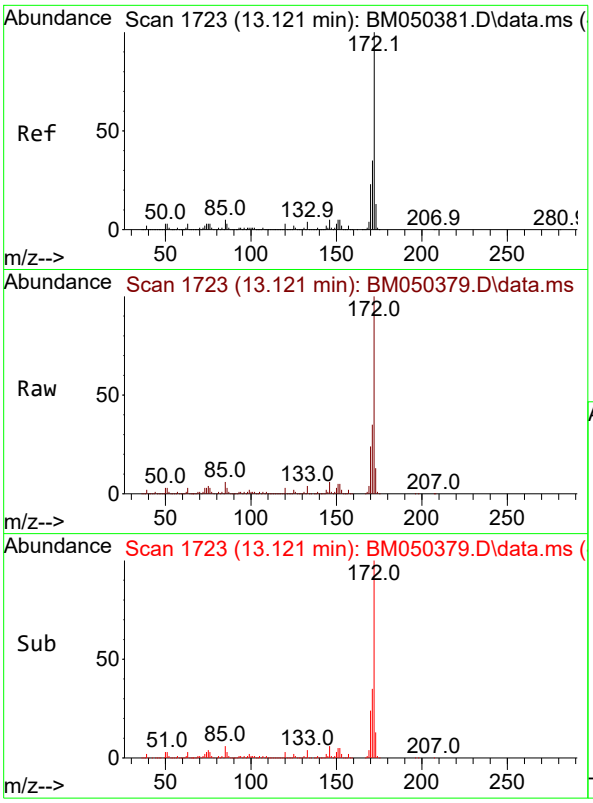




#44
2,4,5-Trichlorophenol
Concen: 8.792 ng
RT: 12.992 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:196 Resp: 159049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.1 | 77.2 | 115.8 |
| 97 | 47.5 | 36.2 | 54.4 |
| 132 | 26.1 | 19.9 | 29.9 |



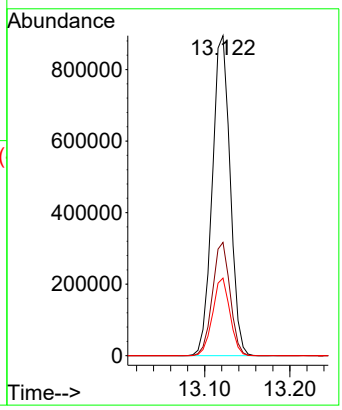


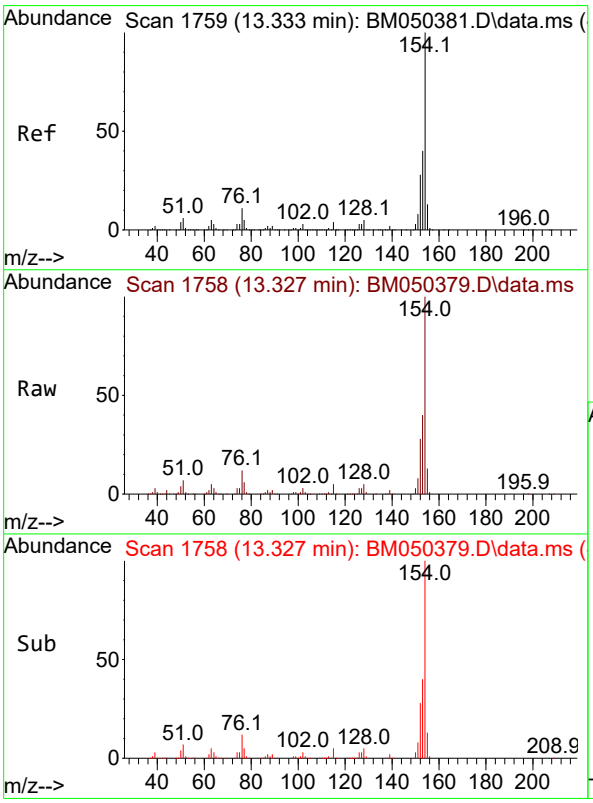

#45
2-Fluorobiphenyl
Concen: 18.996 ng
RT: 13.121 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:172 Resp: 1301714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 27.7 | 41.5 |
| 170 | 24.3 | 18.8 | 28.2 |

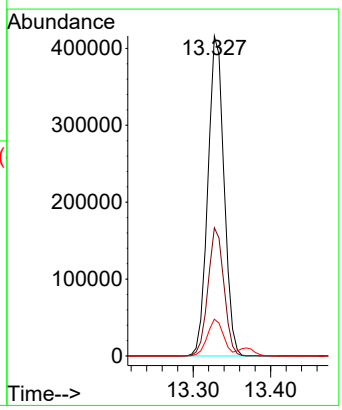


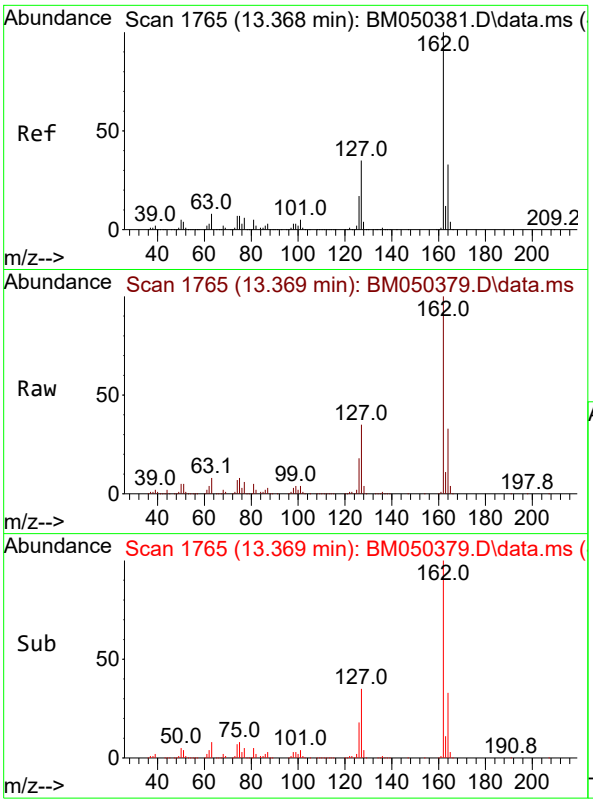




#46
1,1'-Biphenyl
Concen: 9.562 ng
RT: 13.327 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:154 Resp: 600373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.0 | 19.7 | 59.7 |
| 76 | 11.5 | 0.0 | 30.9 |



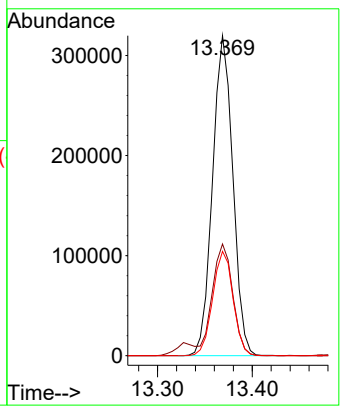


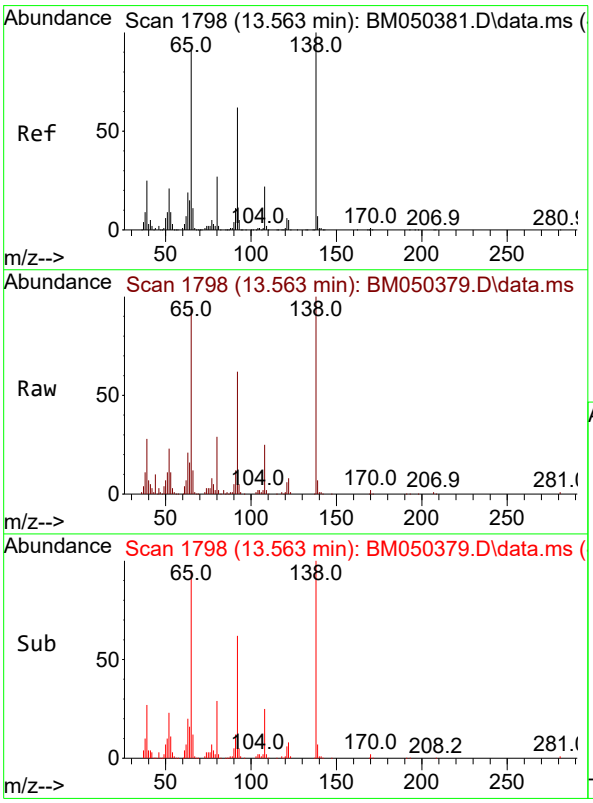

#47
2-Chloronaphthalene
Concen: 9.519 ng
RT: 13.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:162 Resp: 476534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 34.9 | 28.3 | 42.5 |
| 164 | 32.6 | 26.6 | 40.0 |

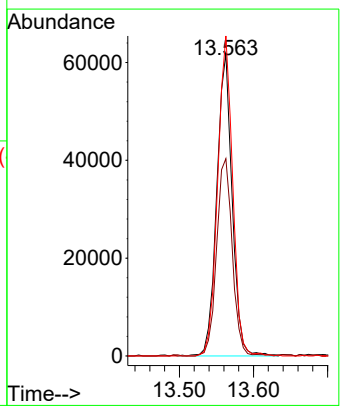


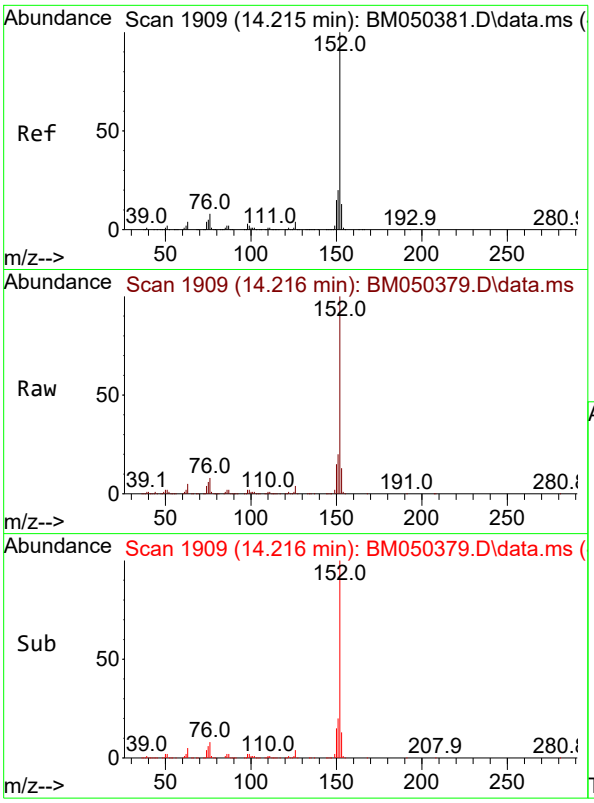




#48
2-Nitroaniline
Concen: 7.982 ng
RT: 13.563 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 65 Resp: 89190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 65.2 | 54.3 | 81.5 |
| 138 | 105.8 | 87.8 | 131.6 |



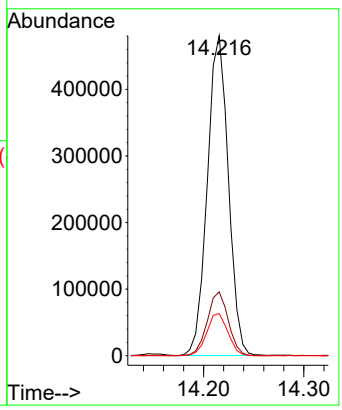


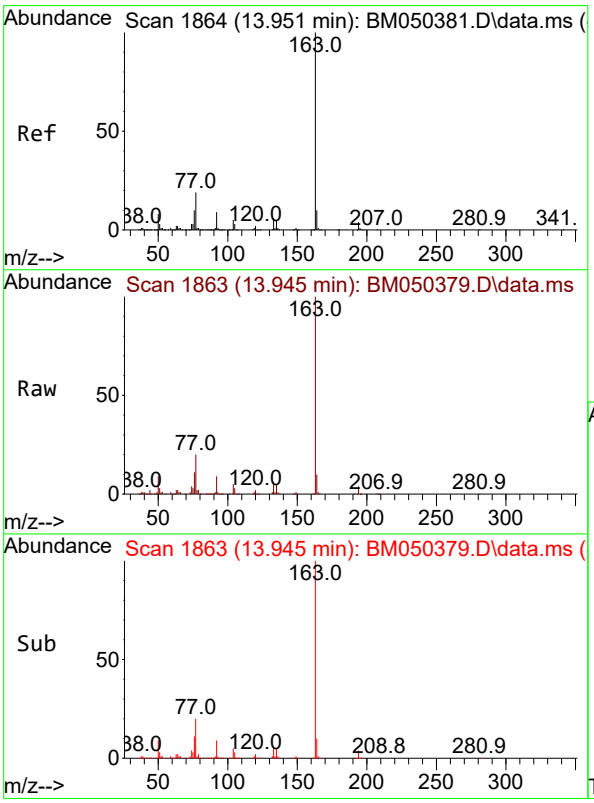

#49
Acenaphthylene
Concen: 9.273 ng
RT: 14.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:152 Resp: 701534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 16.3 | 24.5 |
| 153 | 13.2 | 10.6 | 15.8 |

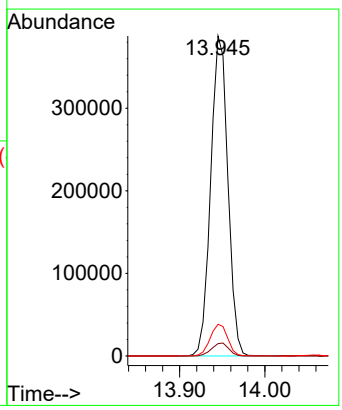


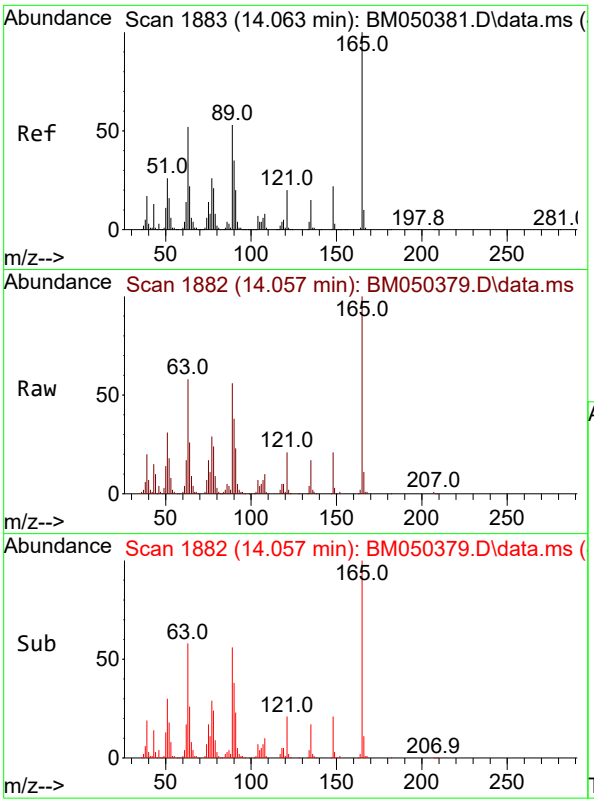




#50
Dimethylphthalate
Concen: 9.331 ng
RT: 13.945 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:163 Resp: 543665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.4 | 5.2 |
| 164 | 9.9 | 8.2 | 12.2 |



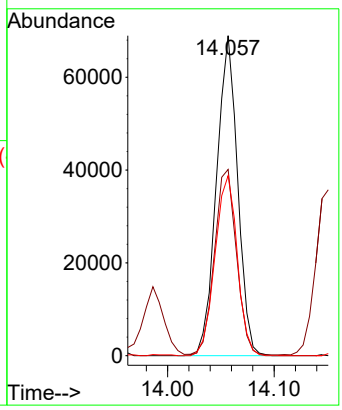


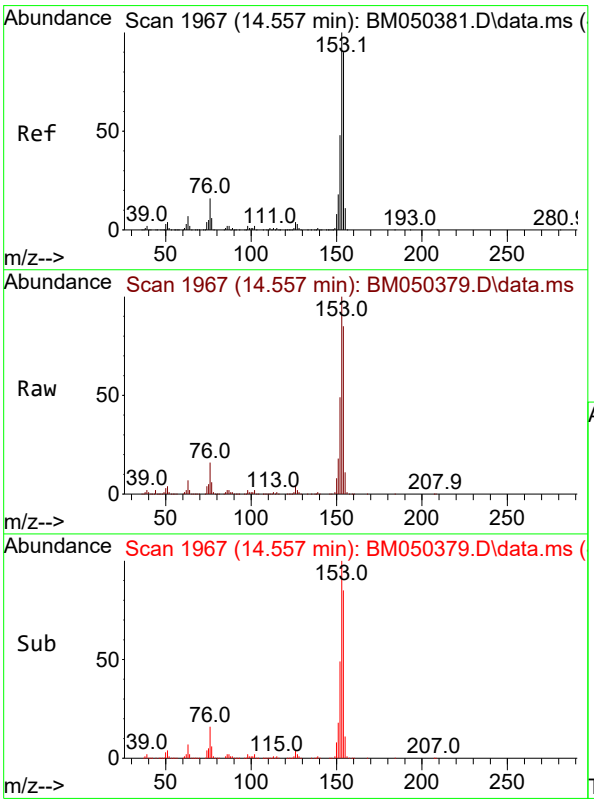

#51
2,6-Dinitrotoluene
Concen: 8.468 ng
RT: 14.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:165 Resp: 94728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 58.2 | 42.4 | 63.6 |
| 89 | 56.2 | 42.2 | 63.2 |

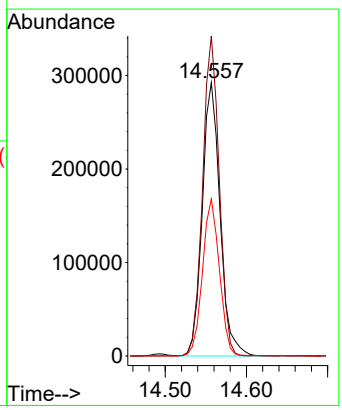


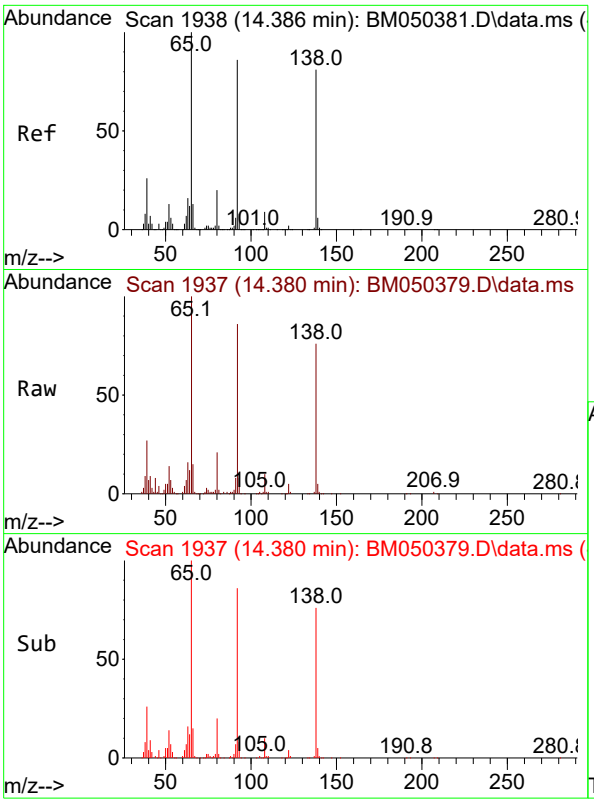




#52
Acenaphthene
Concen: 9.236 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:154 Resp: 444228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 117.1 | 89.2 | 133.8 |
| 152 | 57.5 | 42.6 | 64.0 |



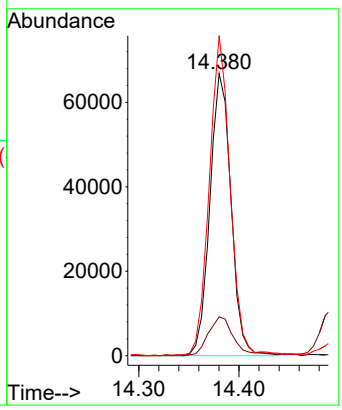


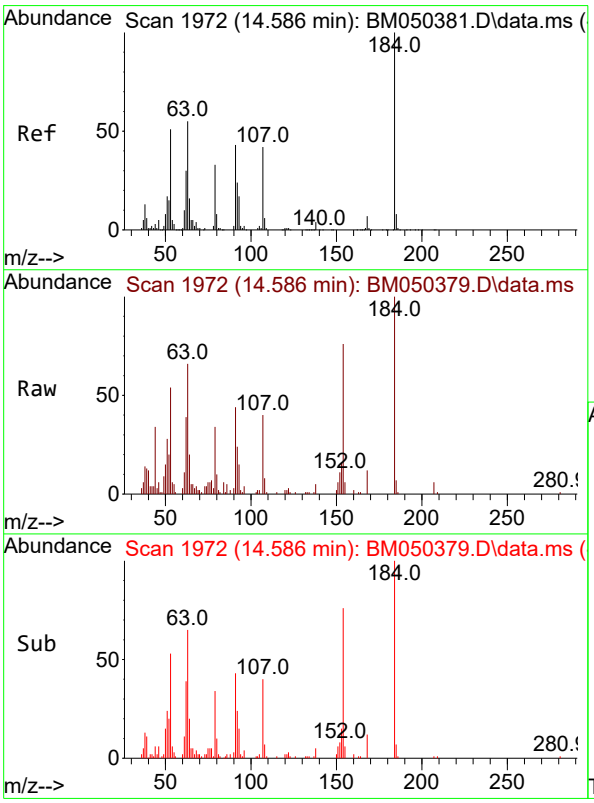

#53
3-Nitroaniline
Concen: 8.223 ng
RT: 14.380 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:138 Resp: 97828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 13.8 | 8.8 | 13.2# |
| 92 | 113.5 | 85.0 | 127.6 |

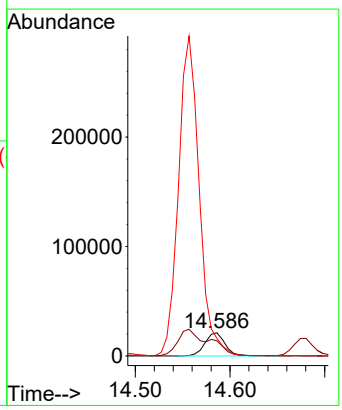


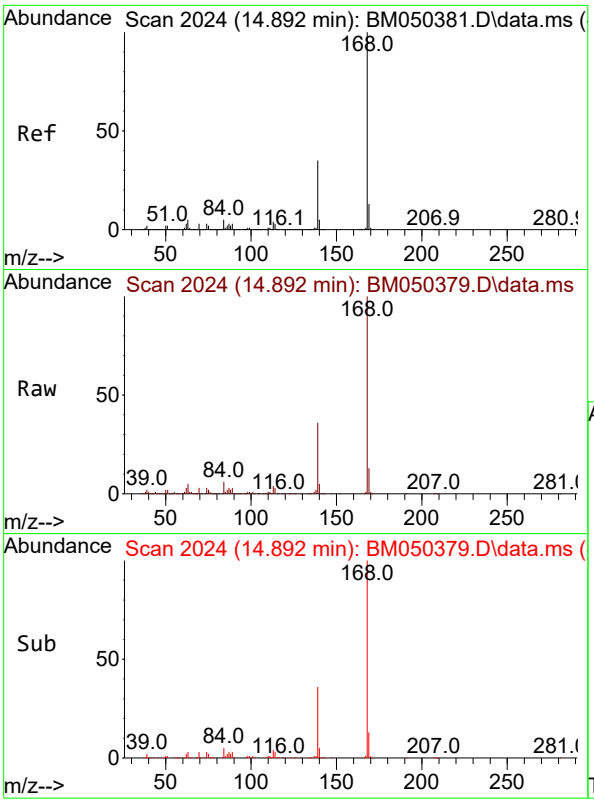




#54
2,4-Dinitrophenol
Concen: 11.045 ng
RT: 14.586 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:184 Resp: 31123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 65.7 | 53.4 | 80.0 |
| 154 | 76.0 | 61.6 | 92.4 |



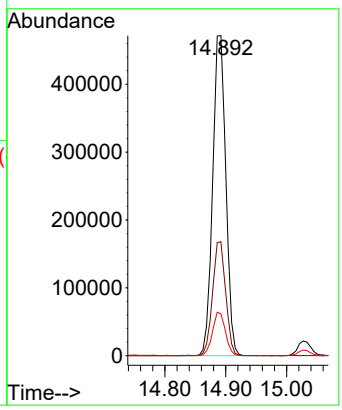


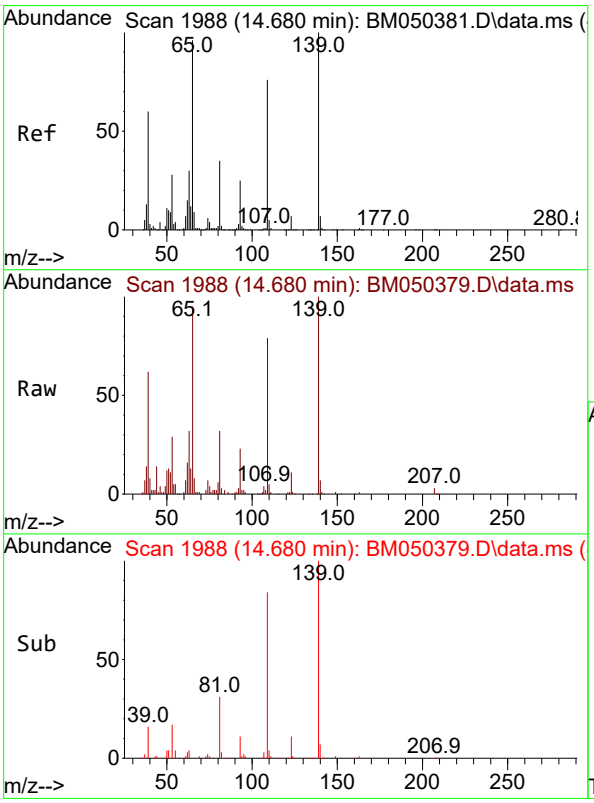

#55
Dibenzofuran
Concen: 9.555 ng
RT: 14.892 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:168 Resp: 708153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 35.6 | 27.7 | 41.5 |
| 169 | 13.0 | 10.7 | 16.1 |

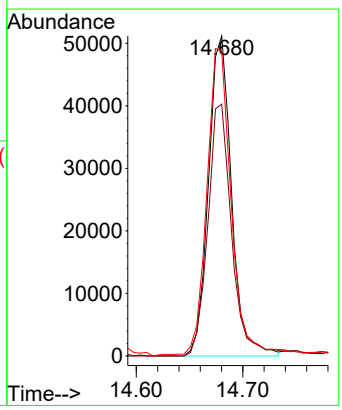


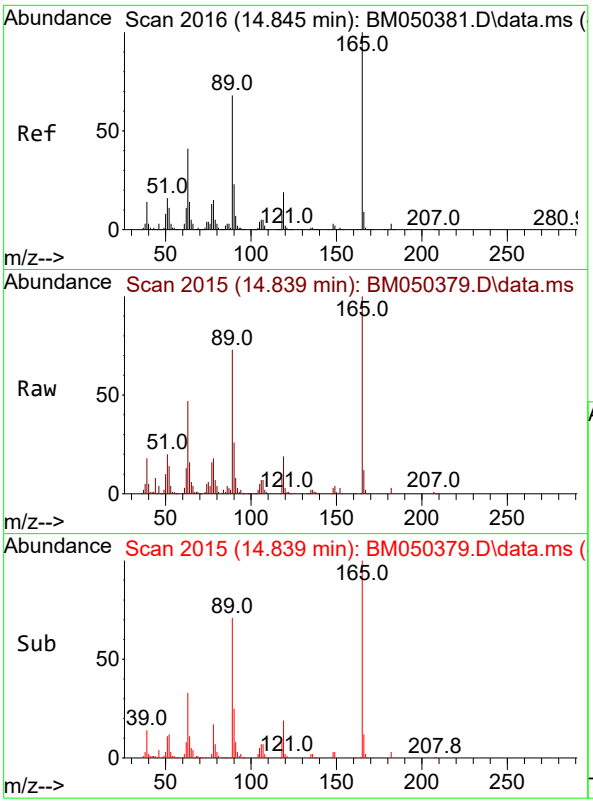




#56
4-Nitrophenol
Concen: 7.515 ng
RT: 14.680 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:139 Resp: 76886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 78.7 | 56.5 | 96.5 |
| 65 | 95.3 | 76.4 | 116.4 |



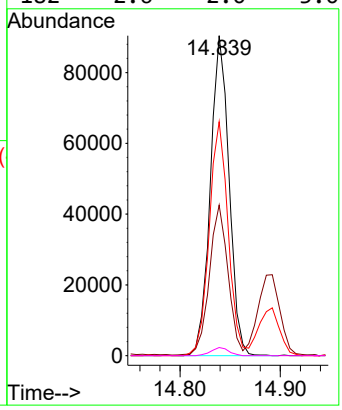


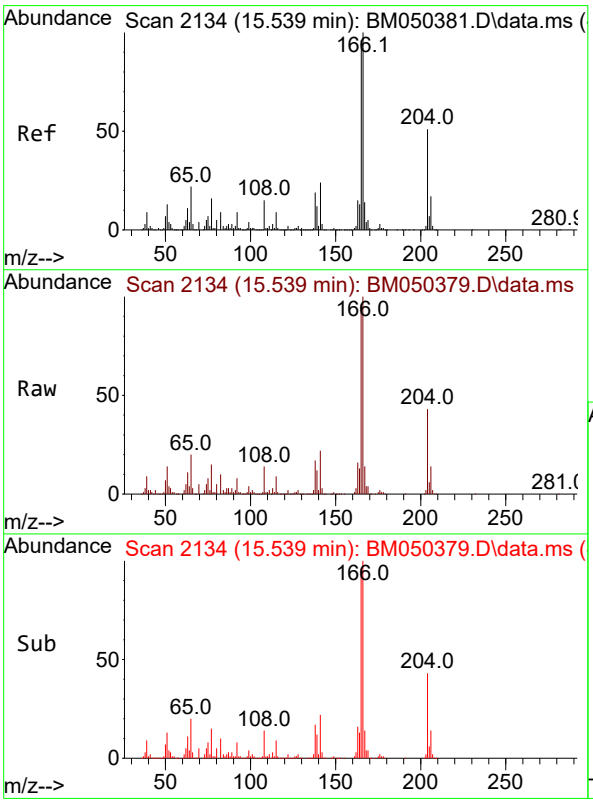

#57
2,4-Dinitrotoluene
Concen: 9.325 ng
RT: 14.839 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:165 Resp: 117194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.1 | 32.5 | 48.7 |
| 89 | 73.1 | 54.0 | 81.0 |
| 182 | 2.6 | 2.0 | 3.0 |

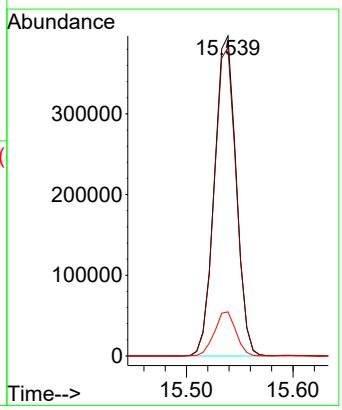


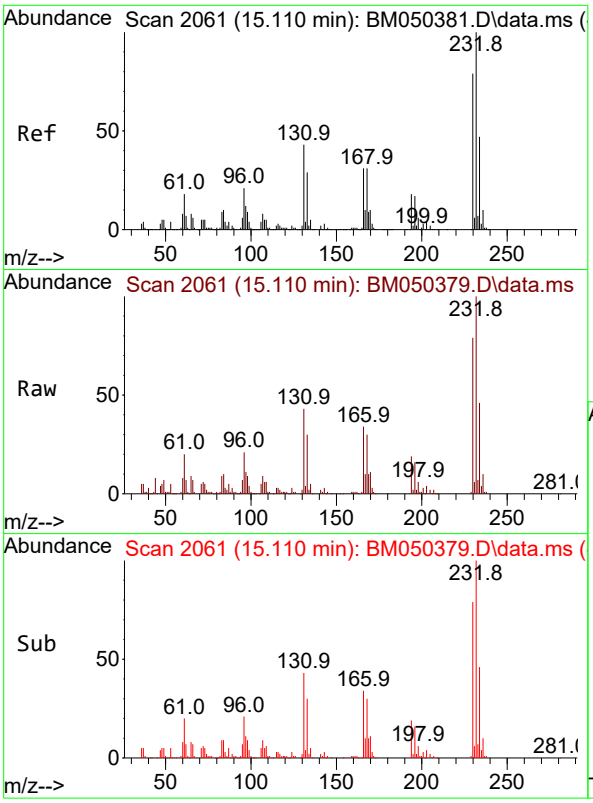




#58
Fluorene
Concen: 9.208 ng
RT: 15.539 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:166 Resp: 562098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.4 | 77.0 | 115.6 |
| 167 | 13.8 | 10.9 | 16.3 |



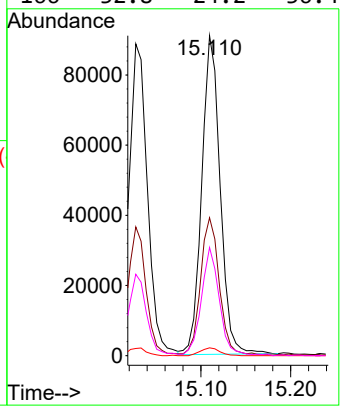


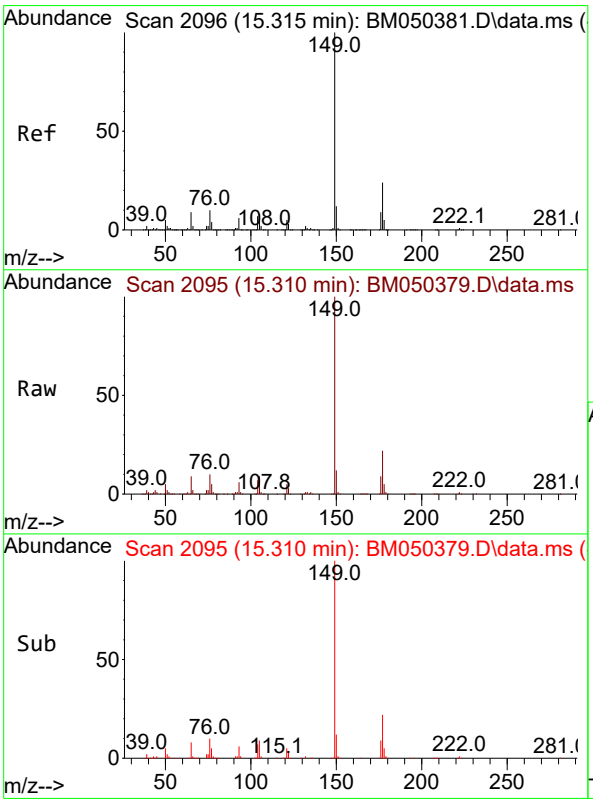

#59
2,3,4,6-Tetrachlorophenol
Concen: 8.509 ng
RT: 15.110 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:232 Resp: 129591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 43.3 | 33.4 | 50.0 |
| 130 | 2.6 | 1.8 | 2.6 |
| 166 | 32.8 | 24.2 | 36.4 |

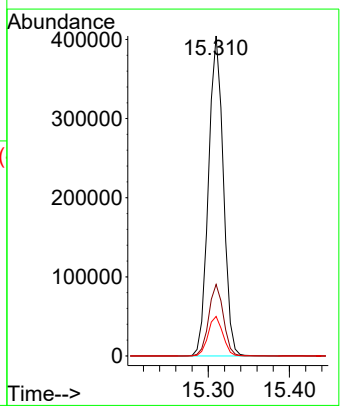


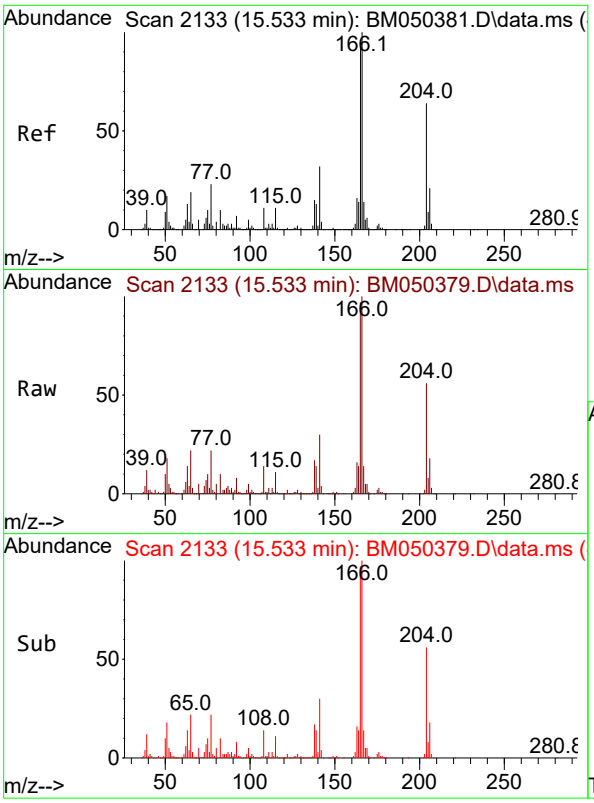




#60
Diethylphthalate
Concen: 9.200 ng
RT: 15.310 min Scan# 2095
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:149 Resp: 512043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.3 | 18.8 | 28.2 |
| 150 | 12.3 | 9.8 | 14.8 |



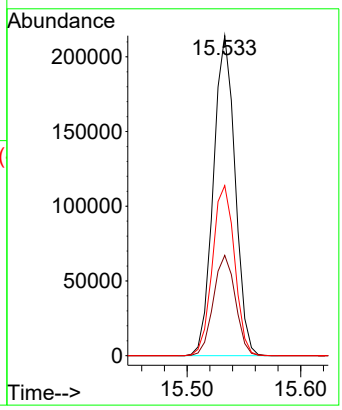


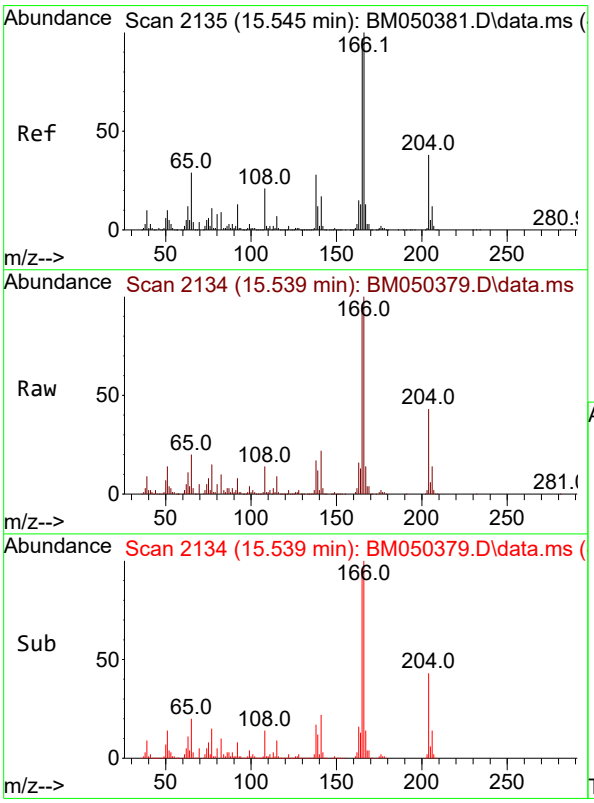

#61
4-Chlorophenyl-phenylether
Concen: 8.918 ng
RT: 15.533 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:204 Resp: 284655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 31.3 | 26.6 | 39.8 |
| 141 | 53.1 | 39.9 | 59.9 |

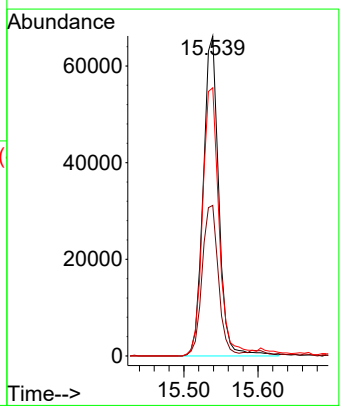


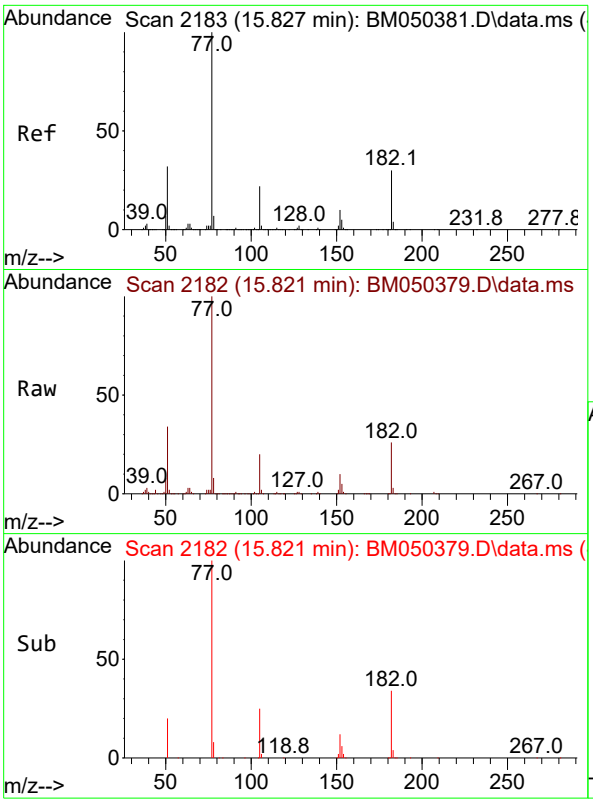




#62
4-Nitroaniline
Concen: 9.259 ng
RT: 15.539 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:138 Resp: 96460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 47.1 | 24.5 | 64.5 |
| 108 | 83.8 | 52.5 | 92.5 |



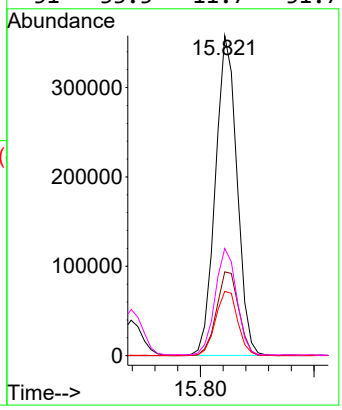


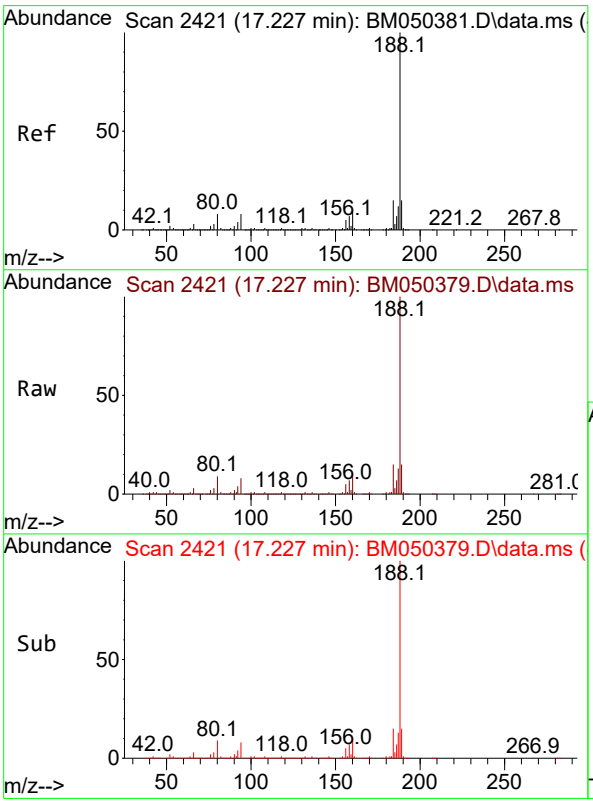

#63
Azobenzene
Concen: 9.239 ng
RT: 15.821 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion: 77 Resp: 472164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.2 | 10.0 | 50.0 |
| 105 | 20.1 | 2.0 | 42.0 |
| 51 | 33.5 | 11.7 | 51.7 |

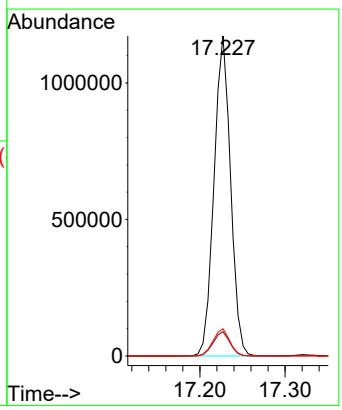


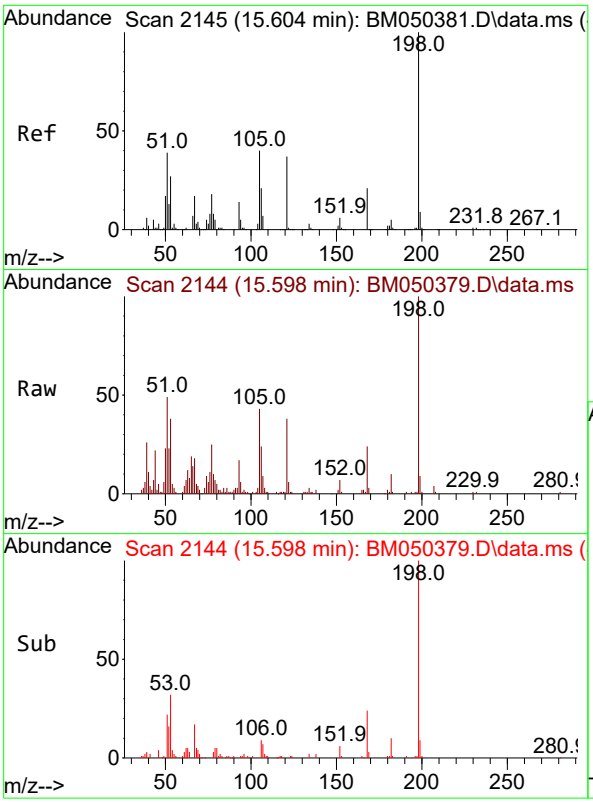




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:188 Resp: 1580349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.6 | 6.0 | 9.0 |
| 80 | 8.5 | 6.5 | 9.7 |



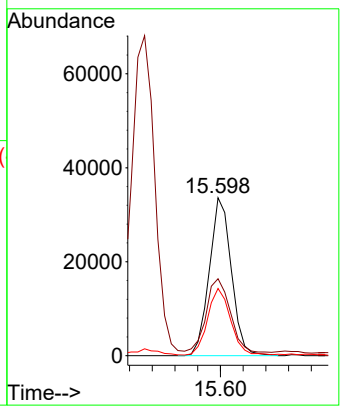


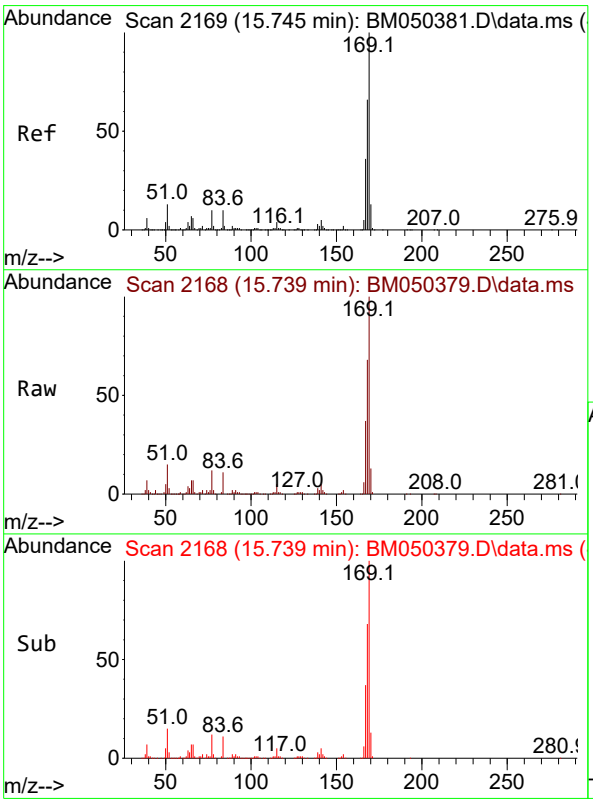

#65
4,6-Dinitro-2-methylphenol
Concen: 10.934 ng
RT: 15.598 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:198 Resp: 45307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 48.7 | 26.6 | 66.6 |
| 105 | 42.6 | 20.9 | 60.9 |

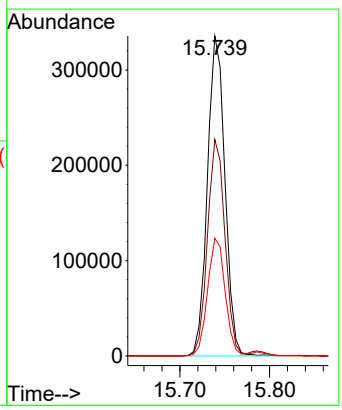


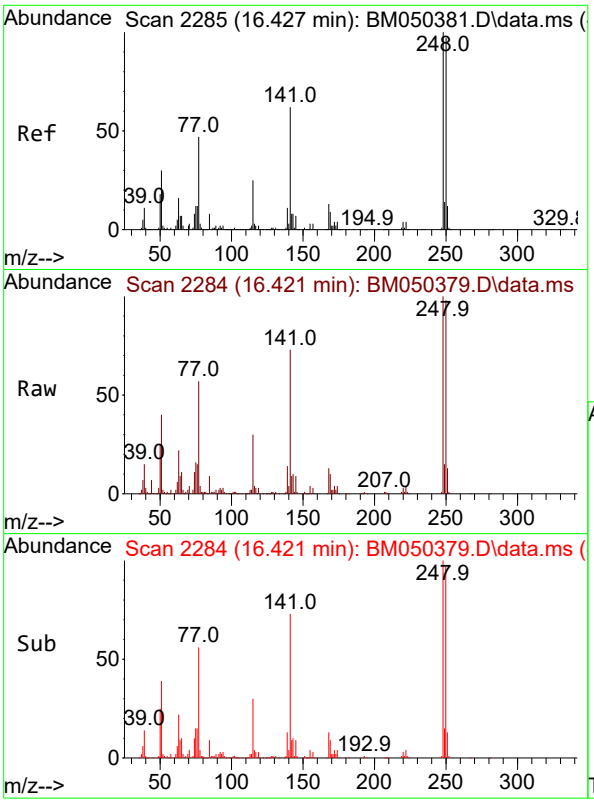




#66
n-Nitrosodiphenylamine
Concen: 9.215 ng
RT: 15.739 min Scan# 2168
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:169 Resp: 455683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.7 | 53.2 | 79.8 |
| 167 | 36.7 | 28.7 | 43.1 |



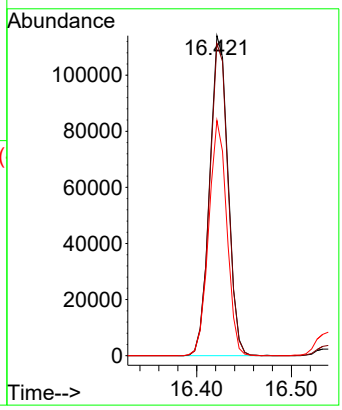


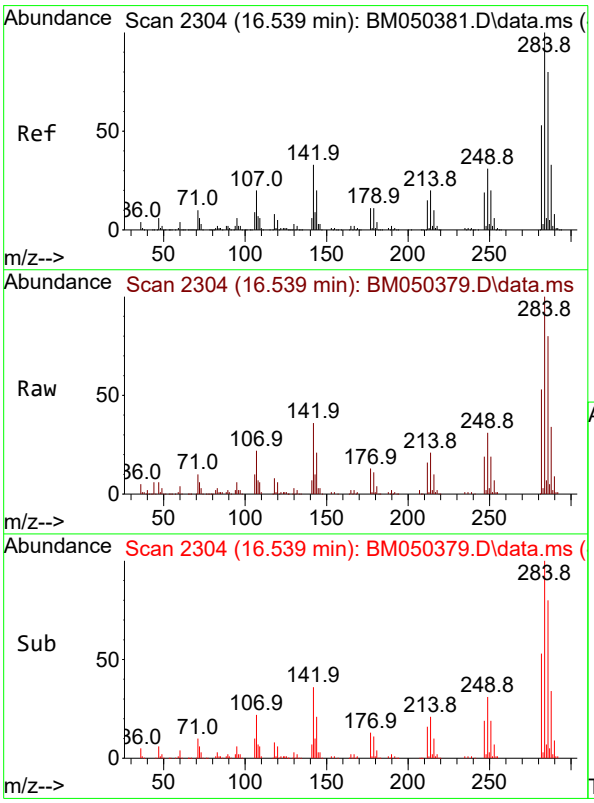

#67
4-Bromophenyl-phenylether
Concen: 8.812 ng
RT: 16.421 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:248 Resp: 153426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.5 | 77.9 | 116.9 |
| 141 | 73.5 | 49.7 | 74.5 |

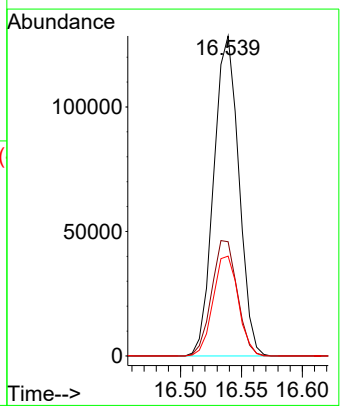


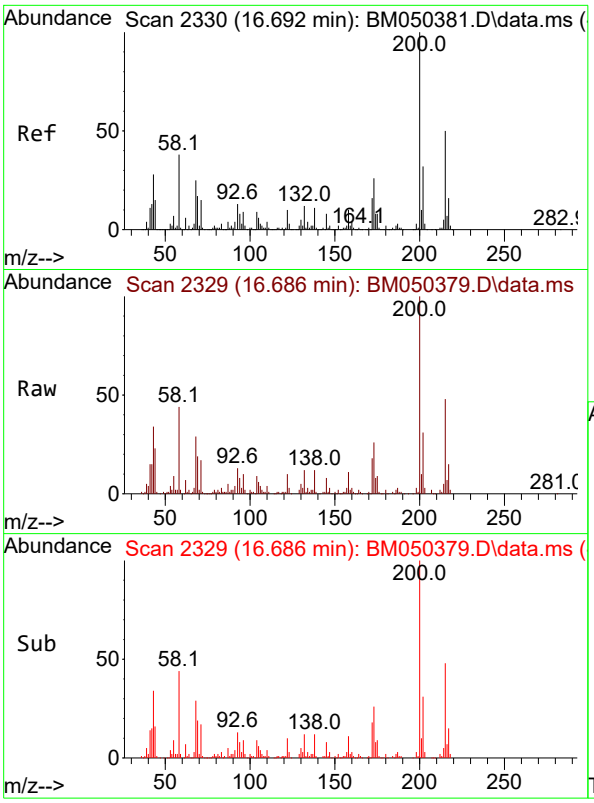




#68
Hexachlorobenzene
Concen: 8.960 ng
RT: 16.539 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:284 Resp: 184262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 35.7 | 26.8 | 40.2 |
| 249 | 31.2 | 24.5 | 36.7 |



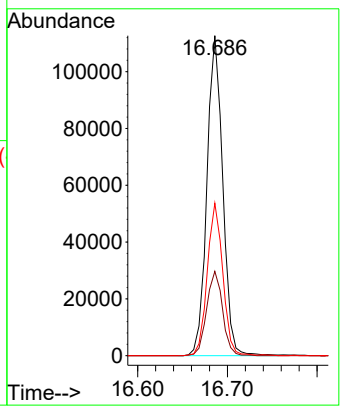


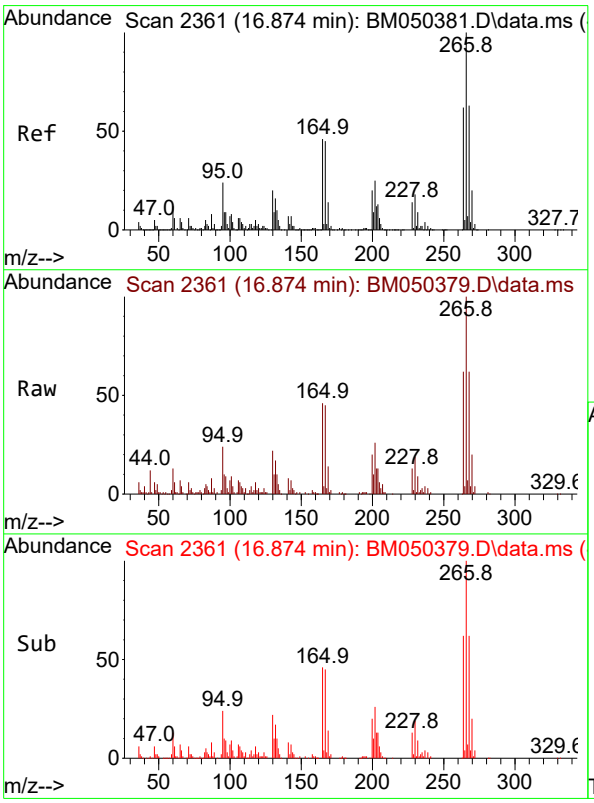

#69
Atrazine
Concen: 8.495 ng
RT: 16.686 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:200 Resp: 137949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.3 | 5.6 | 45.6 |
| 215 | 47.7 | 29.6 | 69.6 |

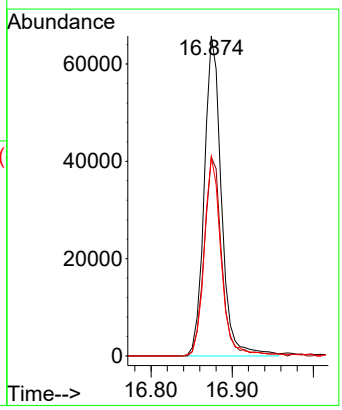


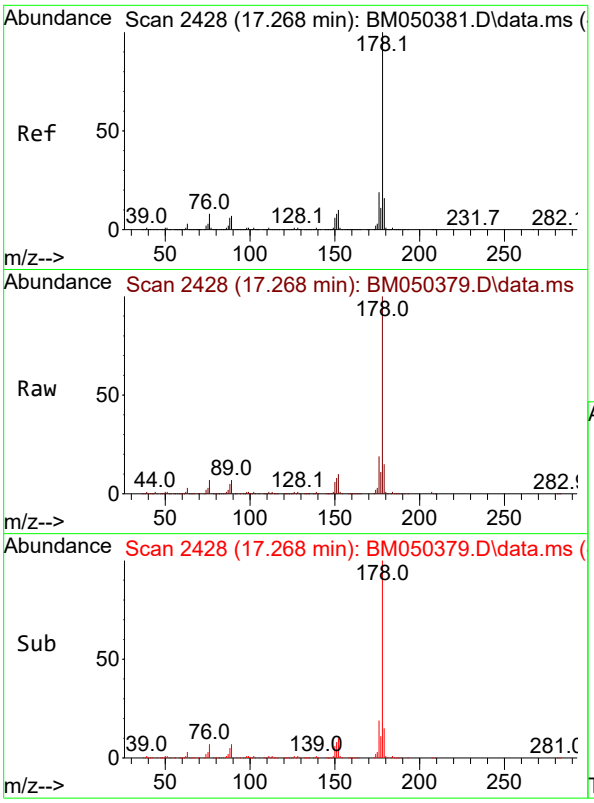




#70
Pentachlorophenol
Concen: 7.515 ng
RT: 16.874 min Scan# 2361
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:266 Resp: 96207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.2 | 50.5 | 75.7 |
| 264 | 62.3 | 49.9 | 74.9 |



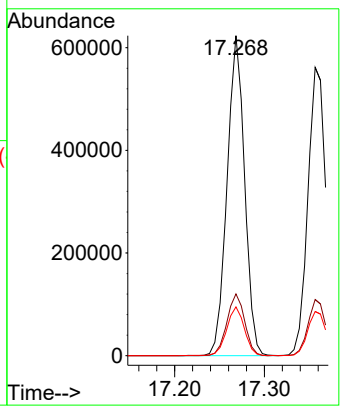


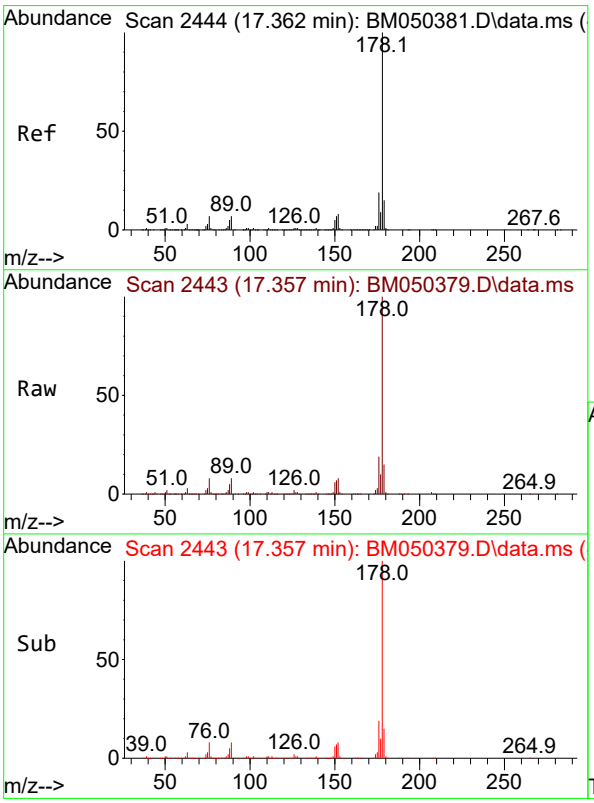

#71
Phenanthrene
Concen: 9.454 ng
RT: 17.268 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:178 Resp: 845393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.4 | 23.0 |
| 179 | 15.2 | 12.5 | 18.7 |

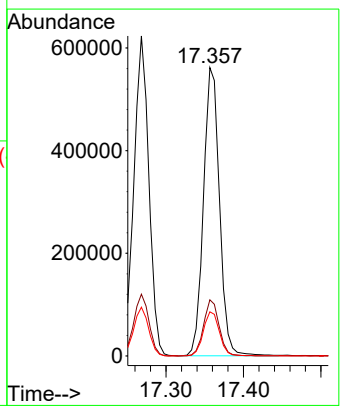


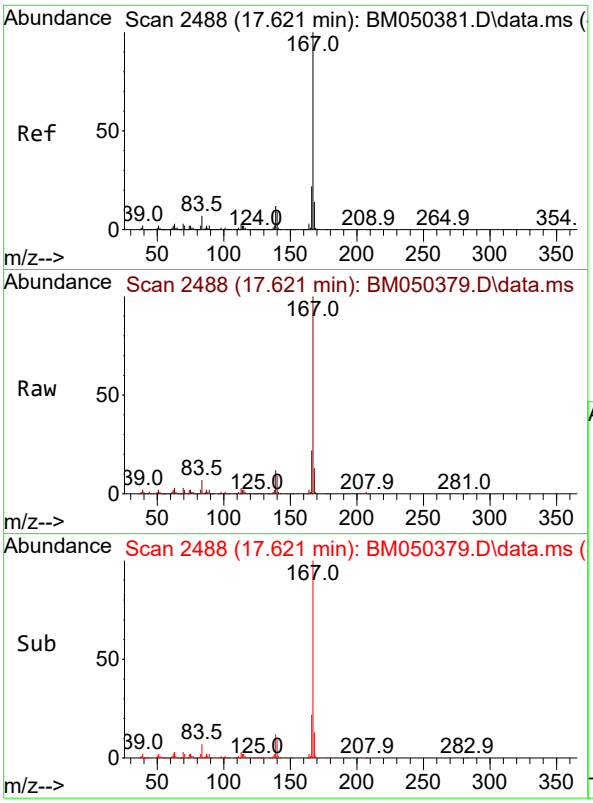




#72
Anthracene
Concen: 9.025 ng
RT: 17.357 min Scan# 2443
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:178 Resp: 803377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 14.9 | 22.3 |
| 179 | 15.3 | 12.2 | 18.4 |



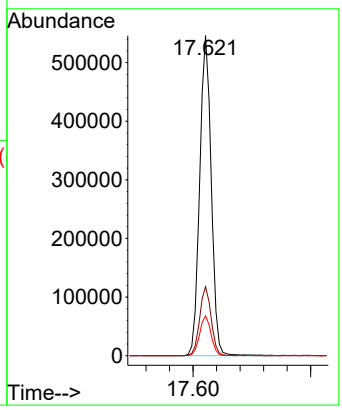


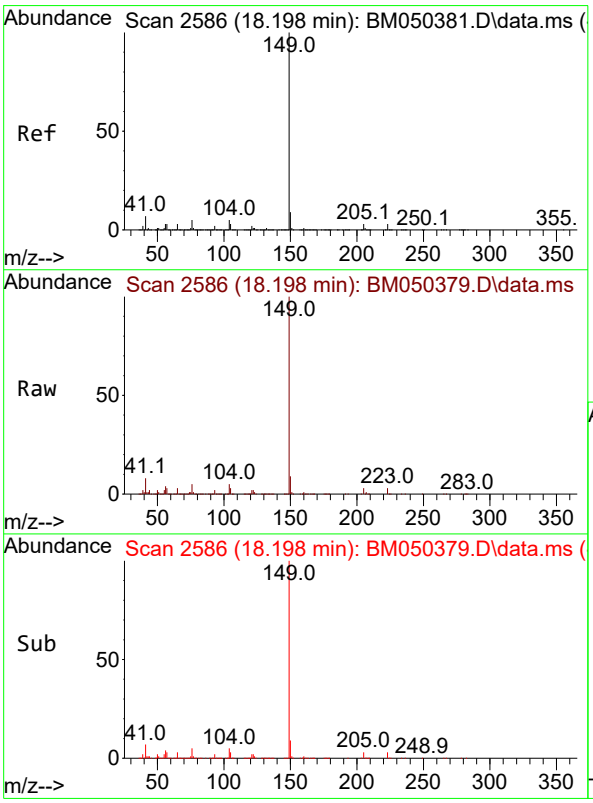

#73
Carbazole
Concen: 9.263 ng
RT: 17.621 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:167 Resp: 746026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 17.2 | 25.8 |
| 139 | 12.5 | 9.9 | 14.9 |

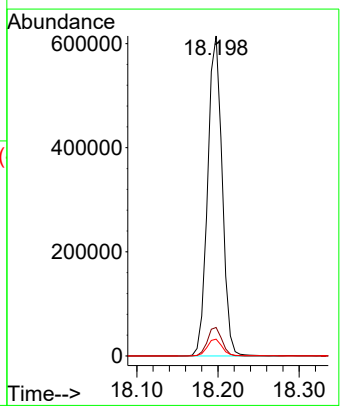


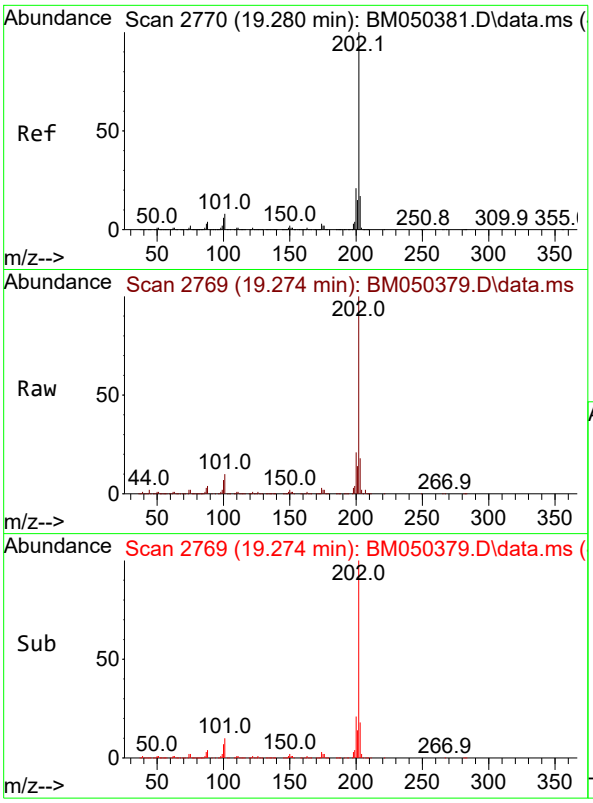




#74
Di-n-butylphthalate
Concen: 8.610 ng
RT: 18.198 min Scan# 2586
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:149 Resp: 759019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 8.9 | 7.3 | 10.9 |
| 104 | 5.2 | 3.9 | 5.9 |



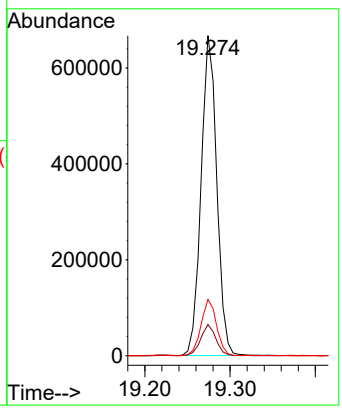


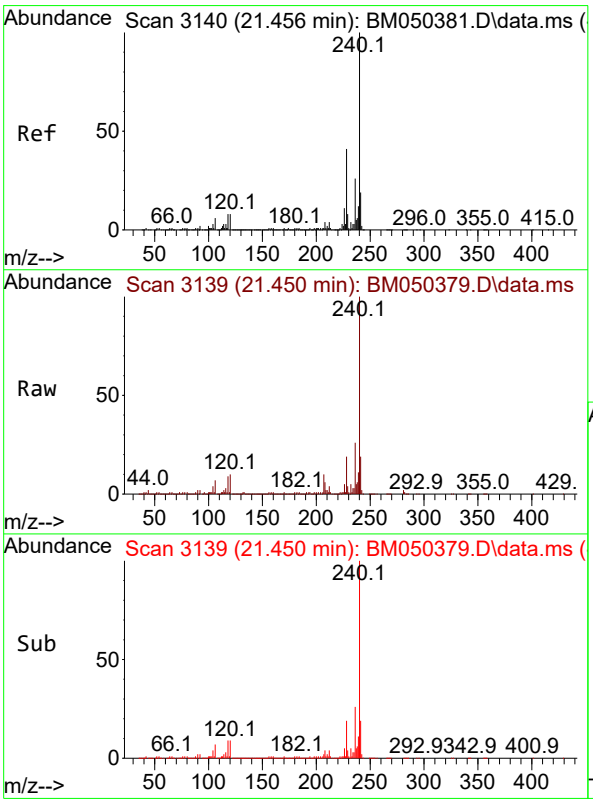

#75
Fluoranthene
Concen: 8.768 ng
RT: 19.274 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:202 Resp: 852385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.8 | 0.0 | 28.3 |
| 203 | 17.5 | 0.0 | 37.2 |

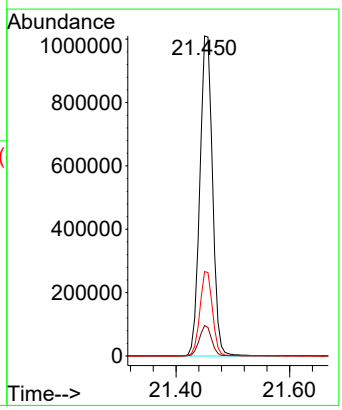


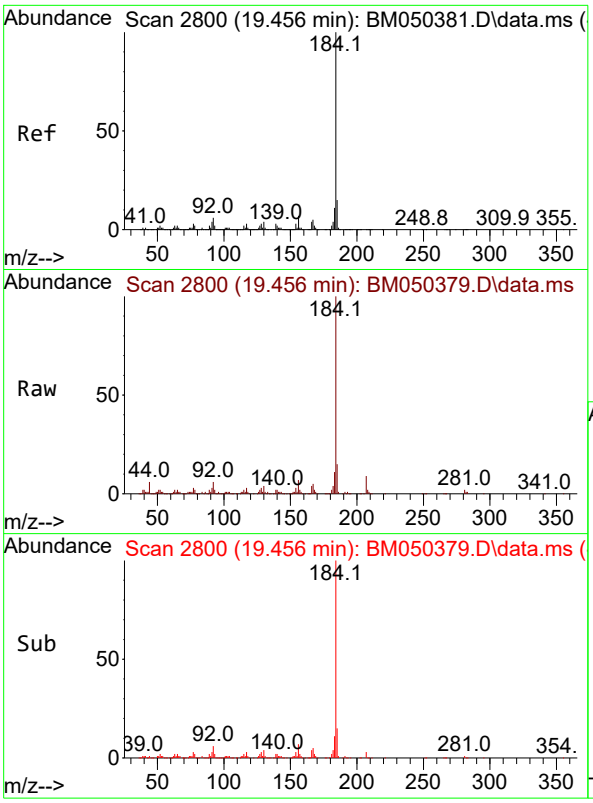




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3139
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:240 Resp: 1564213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.5 | 6.7 | 10.1 |
| 236 | 26.4 | 20.7 | 31.1 |



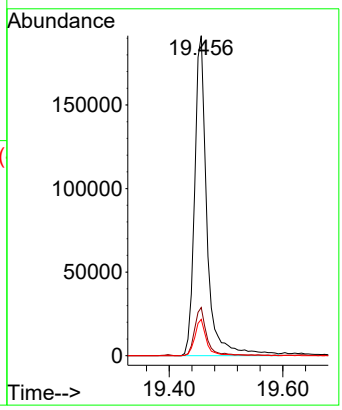


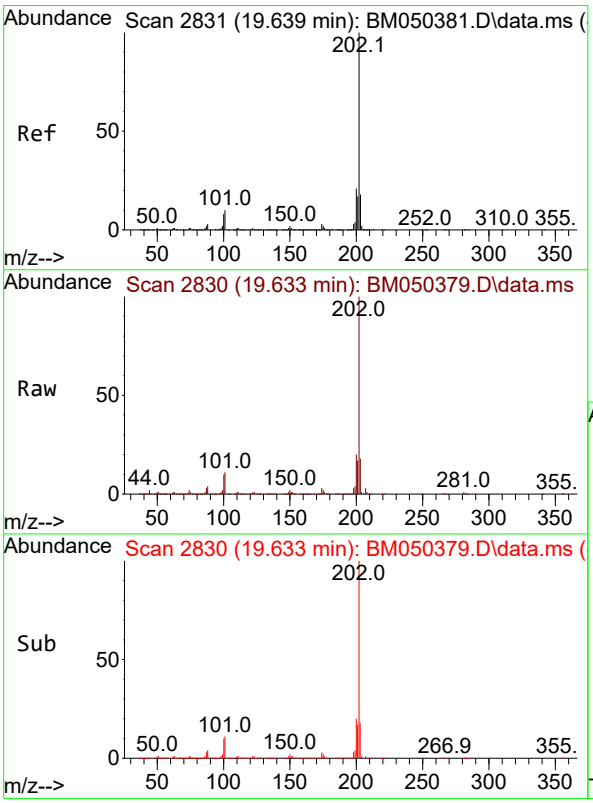

#77
Benzidine
Concen: 7.256 ng
RT: 19.456 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:184 Resp: 289481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.0 | 11.7 | 17.5 |
| 183 | 11.3 | 9.0 | 13.6 |

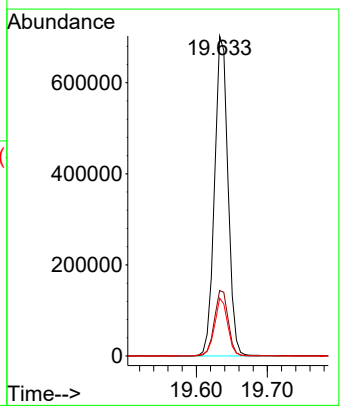


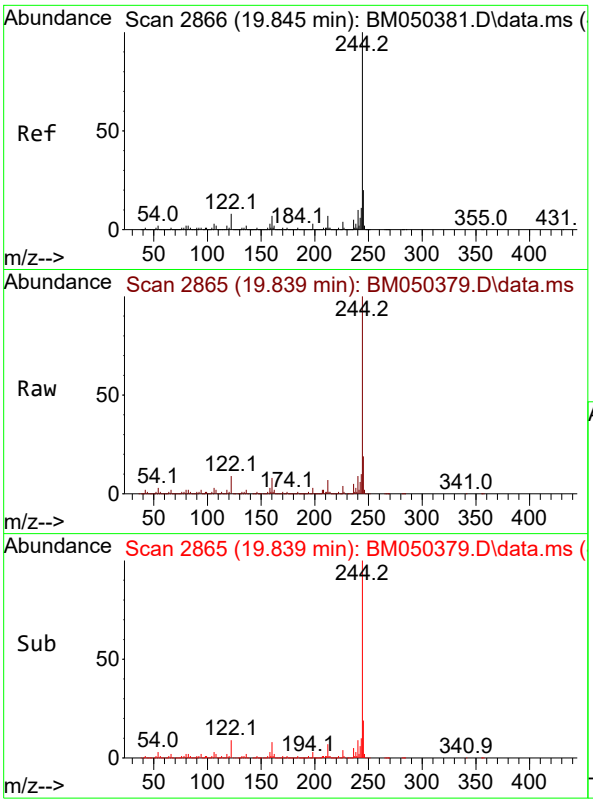




#78
Pyrene
Concen: 9.191 ng
RT: 19.633 min Scan# 2830
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:202 Resp: 920751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.5 | 16.9 | 25.3 |
| 203 | 18.0 | 14.1 | 21.1 |



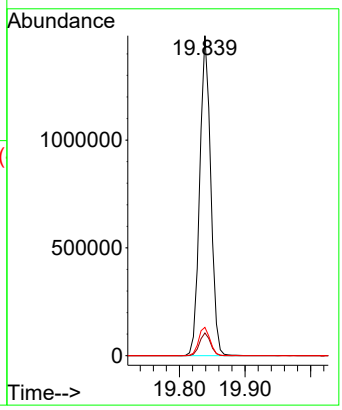


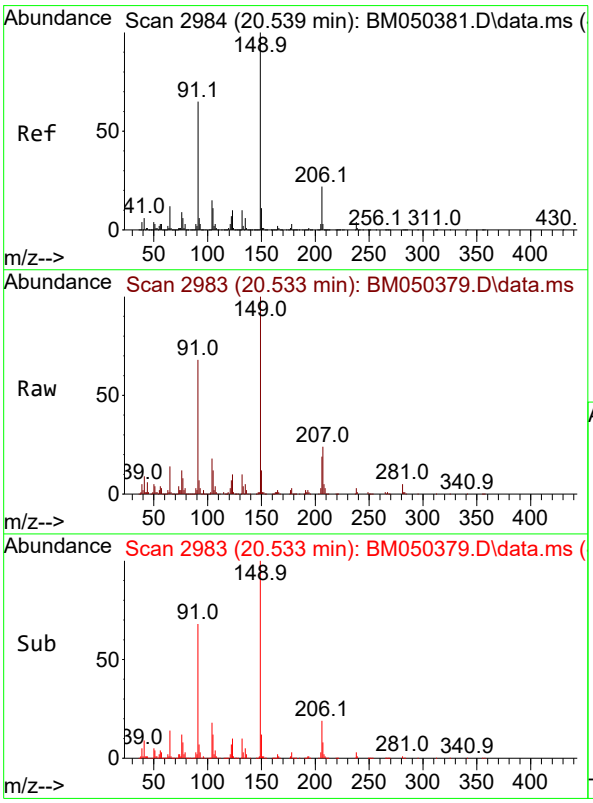

#79
Terphenyl-d14
Concen: 19.526 ng
RT: 19.839 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:244 Resp: 1735885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.7 | 8.5 |
| 122 | 8.8 | 6.2 | 9.2 |

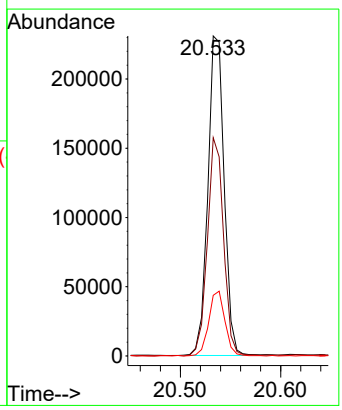


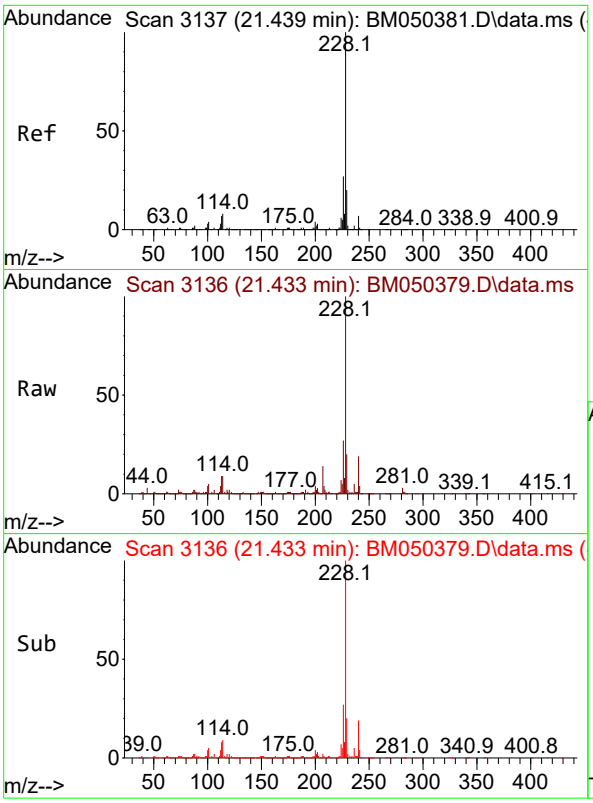




#80
Butylbenzylphthalate
Concen: 7.920 ng
RT: 20.533 min Scan# 2983
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:149 Resp: 261606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 68.2 | 51.6 | 77.4 |
| 206 | 19.0 | 17.8 | 26.8 |



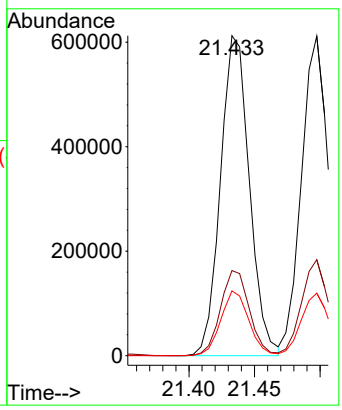


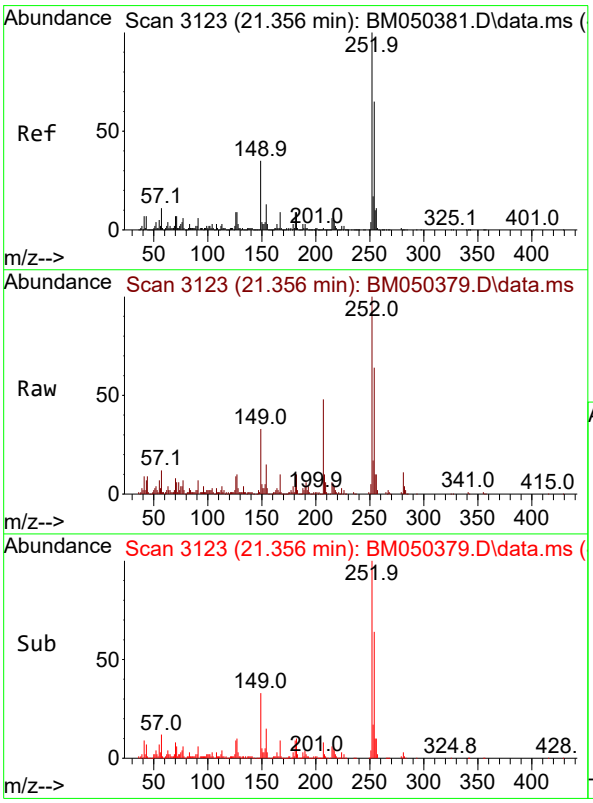

#81
Benzo(a)anthracene
Concen: 9.224 ng
RT: 21.433 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:228 Resp: 940127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.6 | 21.8 | 32.8 |
| 229 | 20.3 | 16.0 | 24.0 |

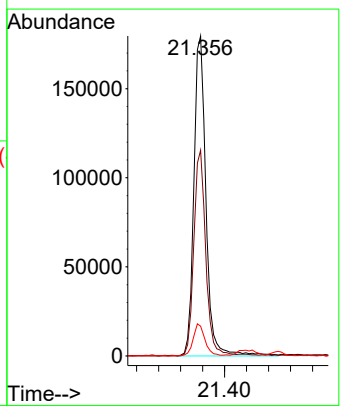


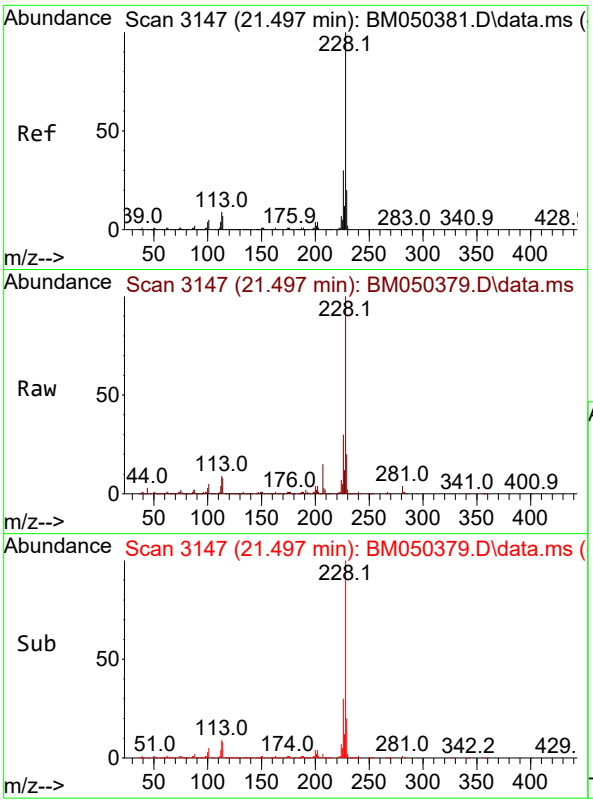




#82
3,3'-Dichlorobenzidine
Concen: 7.988 ng
RT: 21.356 min Scan# 3123
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:252 Resp: 274551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.3 | 51.7 | 77.5 |
| 126 | 9.3 | 7.3 | 10.9 |



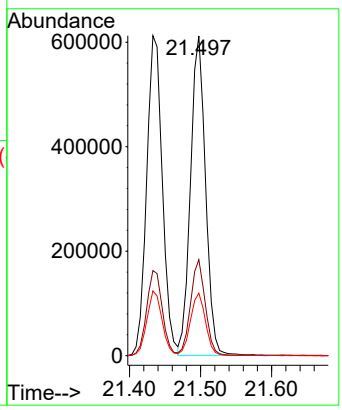


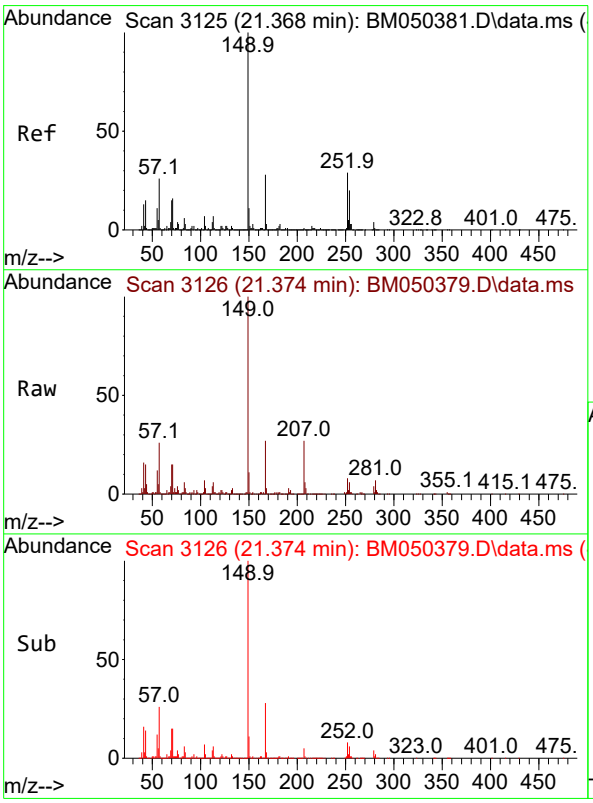

#83
Chrysene
Concen: 9.384 ng
RT: 21.497 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:228 Resp: 902126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.0 | 24.2 | 36.4 |
| 229 | 19.6 | 15.8 | 23.6 |

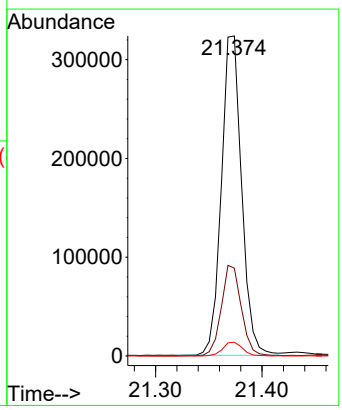


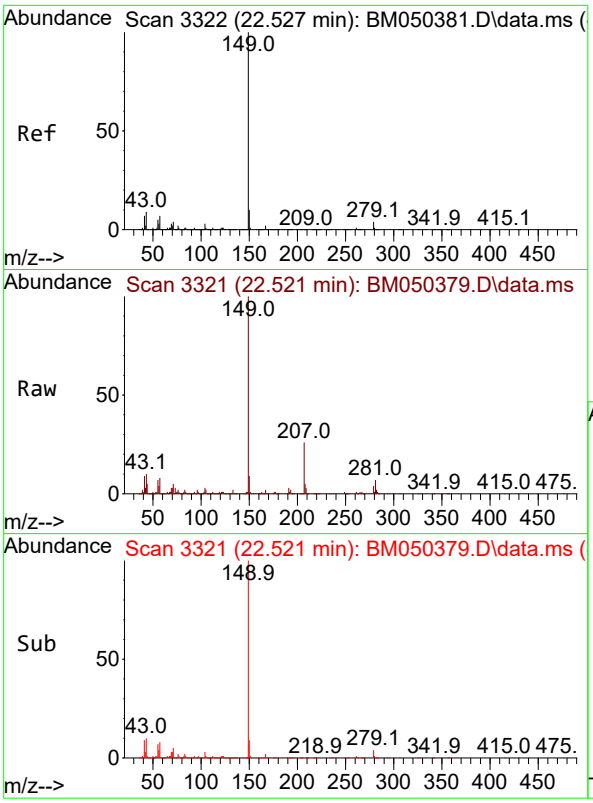




#84
Bis(2-ethylhexyl)phthalate
Concen: 8.136 ng
RT: 21.374 min Scan# 3126
Delta R.T. 0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:149 Resp: 426642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.5 | 22.7 | 34.1 |
| 279 | 4.3 | 3.5 | 5.3 |



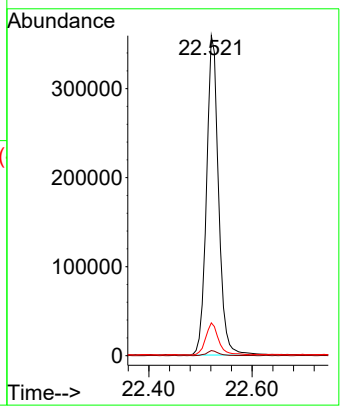


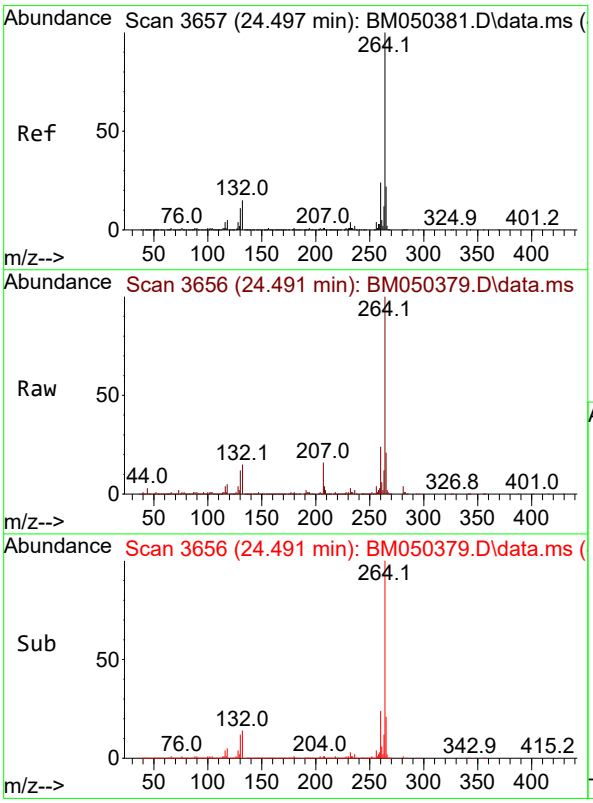

#85
Di-n-octyl phthalate
Concen: 7.070 ng
RT: 22.521 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:149 Resp: 580634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 10.6 | 7.7 | 11.5 |

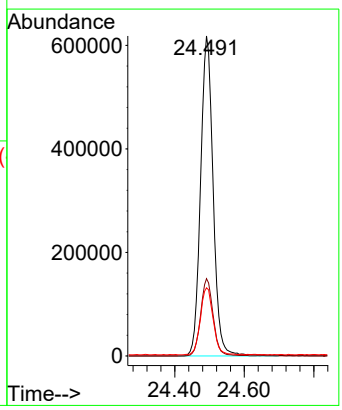


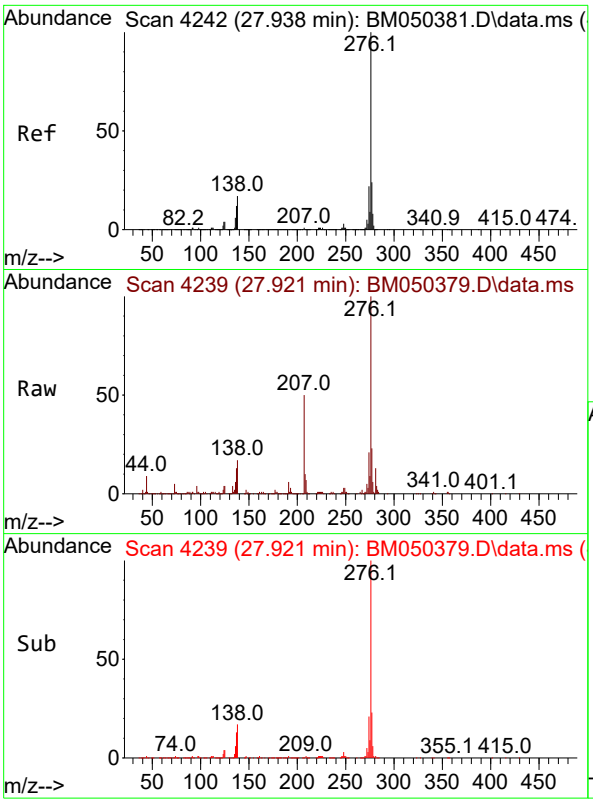




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.491 min Scan# 3656
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:264 Resp: 1552476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.1 | 19.2 | 28.8 |
| 265 | 21.3 | 17.8 | 26.6 |



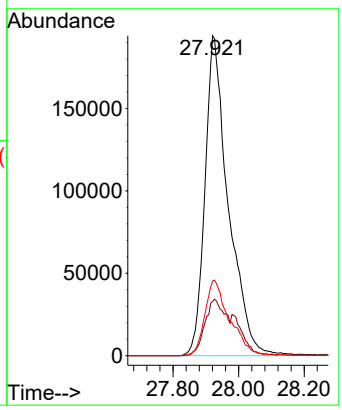


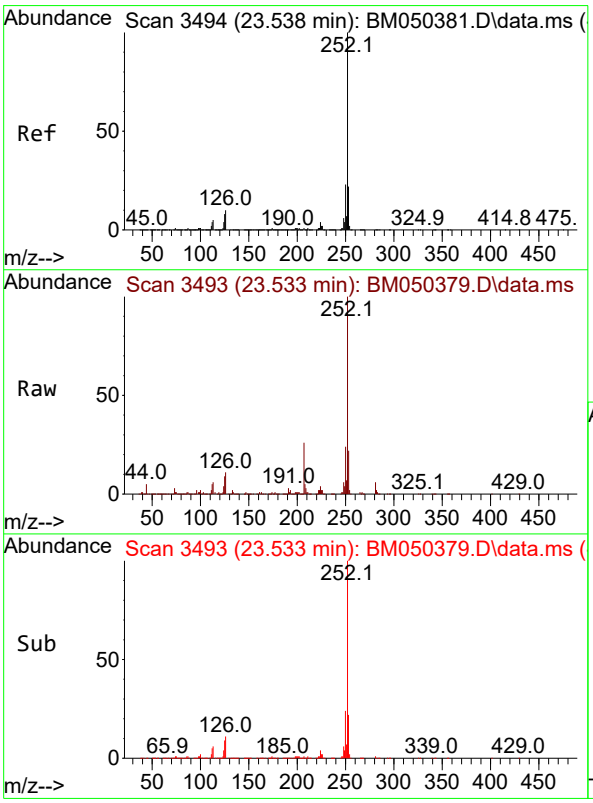

#87
Indeno(1,2,3-cd)pyrene
Concen: 8.706 ng
RT: 27.921 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:276 Resp: 960927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.8 | 17.0 | 25.6# |
| 277 | 24.8 | 20.0 | 30.0 |

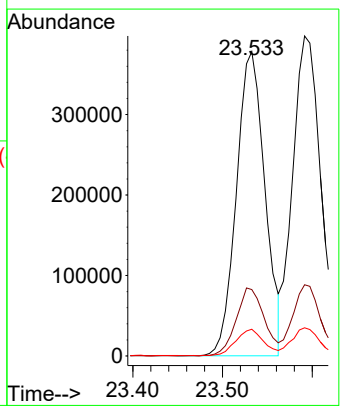


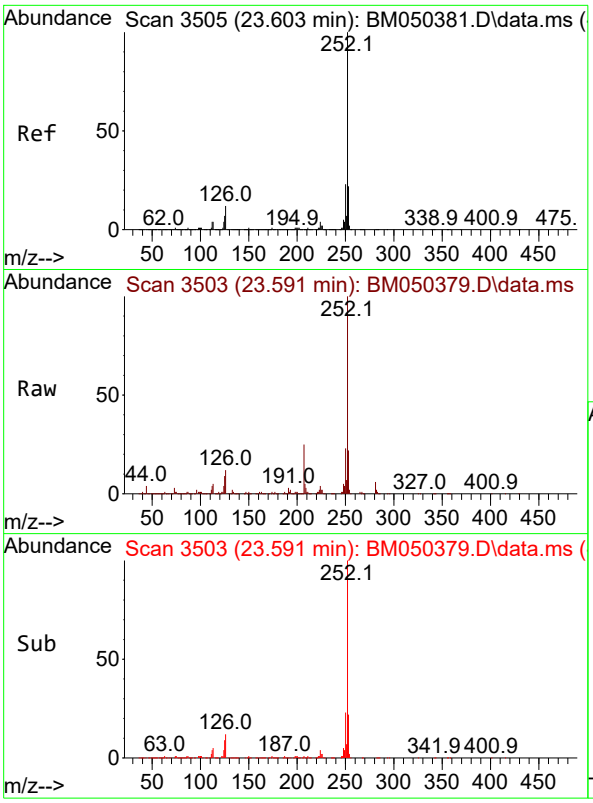




#88
Benzo(b)fluoranthene
Concen: 8.740 ng
RT: 23.533 min Scan# 3493
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:252 Resp: 834603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.8 | 26.6 |
| 125 | 8.8 | 6.3 | 9.5 |



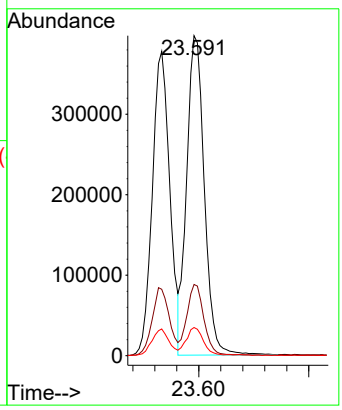


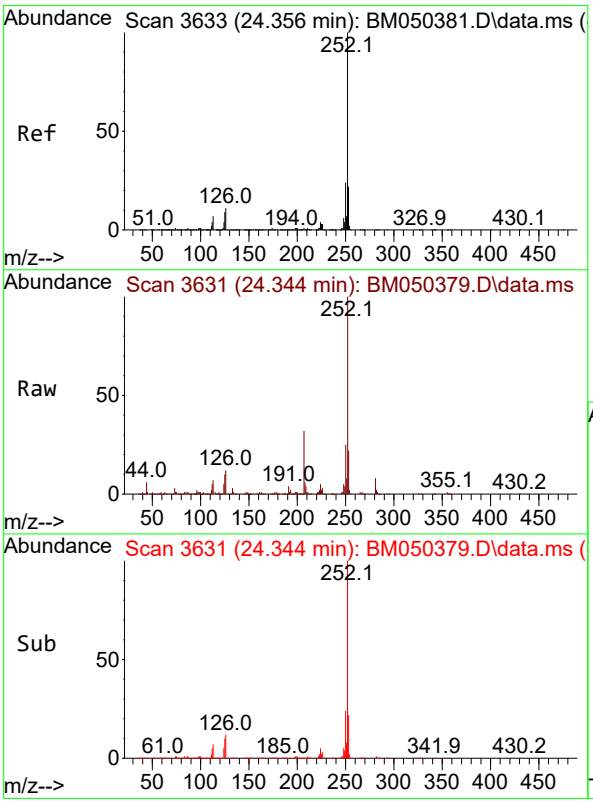

#89
Benzo(k)fluoranthene
Concen: 8.919 ng
RT: 23.591 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:252 Resp: 883703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.6 | 26.4 |
| 125 | 8.8 | 6.2 | 9.2 |

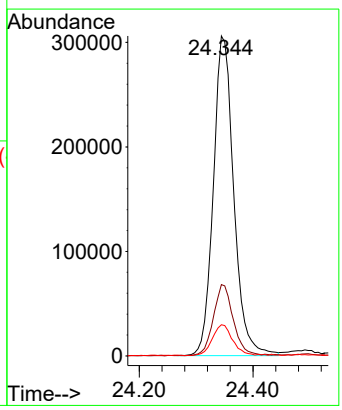


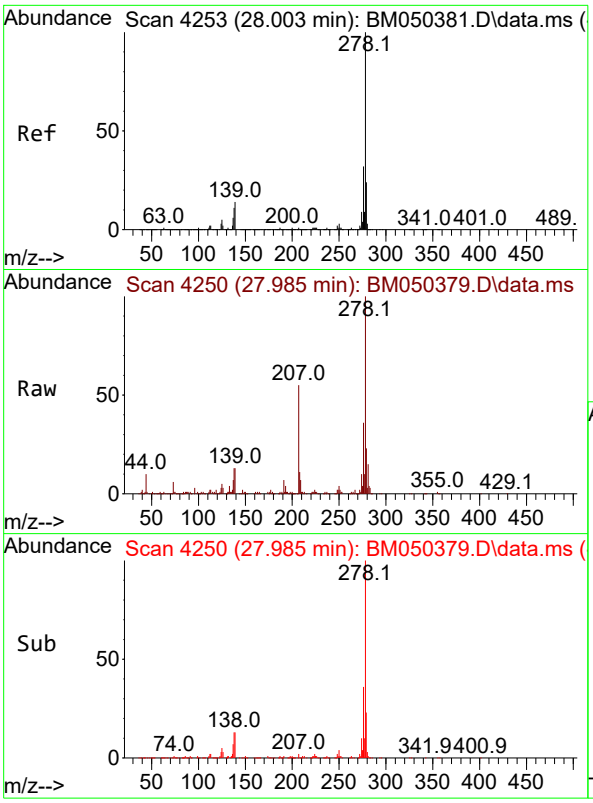




#90
Benzo(a)pyrene
Concen: 8.550 ng
RT: 24.344 min Scan# 3631
Delta R.T. -0.012 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:252 Resp: 764280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.8 | 26.6 |
| 125 | 9.7 | 7.0 | 10.4 |



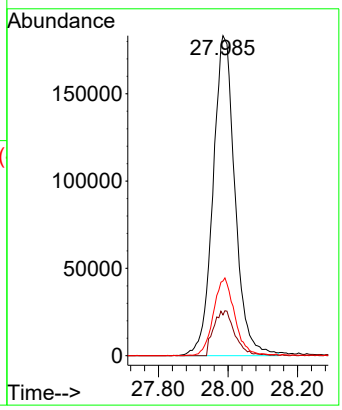


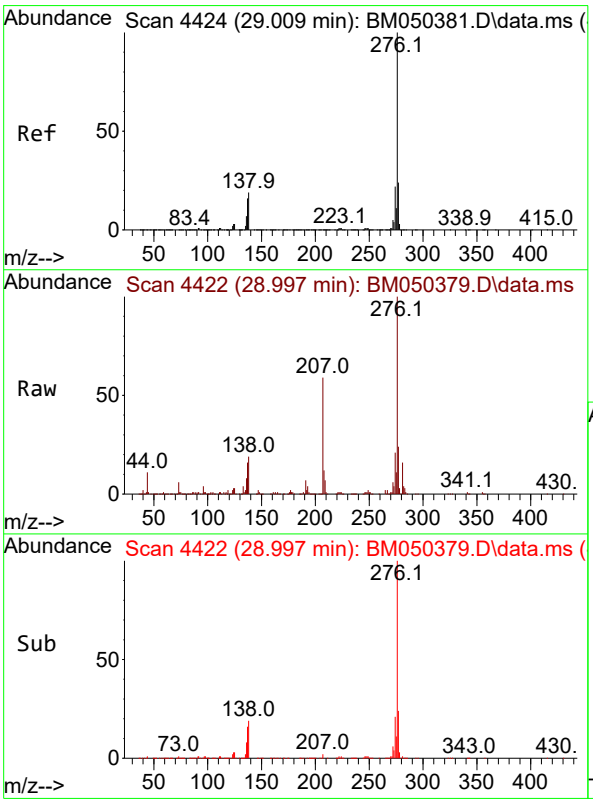

#91
Dibenzo(a,h)anthracene
Concen: 8.639 ng
RT: 27.985 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:278 Resp: 803056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.7 | 10.8 | 16.2 |
| 279 | 23.4 | 19.4 | 29.0 |

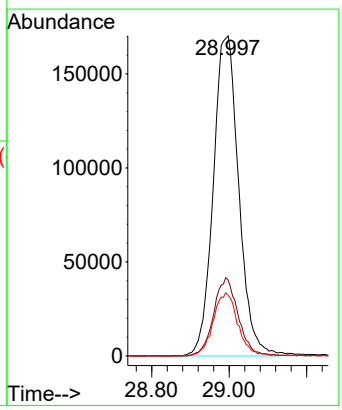



#92
Benzo(g,h,i)perylene
Concen: 8.841 ng
RT: 28.997 min Scan# 4422
Delta R.T. -0.012 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:276 Resp: 776700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 19.1 | 28.7 |
| 138 | 19.0 | 14.9 | 22.3 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050380.D
Acq On : 08 Jul 2025 14:40
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Quant Time: Jul 08 18:21:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.863 | 152 | 361505 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.663 | 136 | 1364913 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.492 | 164 | 879171 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.227 | 188 | 1676151 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.456 | 240 | 1698030 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.492 | 264 | 1655344 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 830817 | 39.560 | ng | | 0.00 |
| 7) Phenol-d6 | 7.016 | 99 | 1041640 | 39.345 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.016 | 82 | 1065139 | 39.813 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.974 | 330 | 404270 | 37.846 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.122 | 172 | 2831991 | 39.780 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.839 | 244 | 4159871 | 43.104 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.334 | 88 | 174356 | 20.190 | ng | | 99 |
| 3) Pyridine | 3.734 | 79 | 453940 | 20.022 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.640 | 42 | 215262 | 20.366 | ng | # | 95 |
| 6) Aniline | 7.187 | 93 | 666785 | 19.625 | ng | | 100 |
| 8) 2-Chlorophenol | 7.428 | 128 | 440657 | 19.898 | ng | | 97 |
| 9) Benzaldehyde | 6.999 | 77 | 355966m | 22.600 | ng | | |
| 10) Phenol | 7.046 | 94 | 548000 | 19.845 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.281 | 93 | 442290 | 20.000 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.757 | 146 | 540913 | 20.088 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.899 | 146 | 555418 | 20.200 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.216 | 146 | 525580 | 19.966 | ng | | 99 |
| 15) Benzyl Alcohol | 8.099 | 79 | 359867 | 19.292 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.393 | 45 | 657213 | 20.176 | ng | | 100 |
| 17) 2-Methylphenol | 8.299 | 107 | 354110 | 19.772 | ng | | 100 |
| 18) Hexachloroethane | 8.951 | 117 | 192269 | 19.883 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.669 | 70 | 320932 | 20.010 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.622 | 107 | 468665 | 19.493 | ng | | 99 |
| 22) Acetophenone | 8.681 | 105 | 684104 | 20.046 | ng | # | 99 |
| 24) Nitrobenzene | 9.057 | 77 | 481755 | 20.179 | ng | | 100 |
| 25) Isophorone | 9.587 | 82 | 865912 | 19.946 | ng | | 99 |
| 26) 2-Nitrophenol | 9.775 | 139 | 180315 | 18.532 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.828 | 122 | 410521 | 19.828 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.069 | 93 | 575979 | 20.023 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.304 | 162 | 424771 | 19.970 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.528 | 180 | 503042 | 19.769 | ng | | 98 |
| 31) Naphthalene | 10.710 | 128 | 1397680 | 20.160 | ng | | 99 |
| 32) Benzoic acid | 9.910 | 122 | 189237 | 19.011 | ng | | 100 |
| 33) 4-Chloroaniline | 10.810 | 127 | 582272 | 19.867 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.010 | 225 | 303657 | 19.552 | ng | | 99 |
| 35) Caprolactam | 11.569 | 113 | 110042 | 18.951 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 11.928 | 107 | 393366 | 19.804 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.322 | 142 | 871365 | 19.906 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.539 | 142 | 920592 | 19.872 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.686 | 216 | 536934 | 19.205 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.675 | 237 | 317506 | 17.766 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.922 | 196 | 331504 | 19.263 | ng | | 98 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050380.D
Acq On : 08 Jul 2025 14:40
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Quant Time: Jul 08 18:21:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 12.992 | 196 | 364770 | 19.408 | ng | 99 |
| 46) | 1,1'-Biphenyl | 13.328 | 154 | 1300397 | 19.936 | ng | 99 |
| 47) | 2-Chloronaphthalene | 13.369 | 162 | 1043593 | 20.066 | ng | 99 |
| 48) | 2-Nitroaniline | 13.563 | 65 | 222094 | 19.132 | ng | 98 |
| 49) | Acenaphthylene | 14.216 | 152 | 1578057 | 20.078 | ng | 99 |
| 50) | Dimethylphthalate | 13.945 | 163 | 1202901 | 19.873 | ng | 100 |
| 51) | 2,6-Dinitrotoluene | 14.057 | 165 | 231144 | 19.889 | ng | 99 |
| 52) | Acenaphthene | 14.557 | 154 | 990178 | 19.816 | ng | 99 |
| 53) | 3-Nitroaniline | 14.380 | 138 | 244460 | 19.779 | ng | 96 |
| 54) | 2,4-Dinitrophenol | 14.586 | 184 | 85284 | 18.641 | ng | 96 |
| 55) | Dibenzofuran | 14.886 | 168 | 1543545 | 20.048 | ng | 99 |
| 56) | 4-Nitrophenol | 14.680 | 139 | 198160 | 18.644 | ng | 99 |
| 57) | 2,4-Dinitrotoluene | 14.839 | 165 | 299004 | 18.935 | ng | 95 |
| 58) | Fluorene | 15.539 | 166 | 1255879 | 19.803 | ng | 98 |
| 59) | 2,3,4,6-Tetrachlorophenol | 15.110 | 232 | 312205 | 19.733 | ng | 99 |
| 60) | Diethylphthalate | 15.310 | 149 | 1159537 | 20.055 | ng | 98 |
| 61) | 4-Chlorophenyl-phenyle... | 15.533 | 204 | 644238 | 19.428 | ng | 99 |
| 62) | 4-Nitroaniline | 15.539 | 138 | 249635 | 19.209 | ng | 93 |
| 63) | Azobenzene | 15.822 | 77 | 1085005 | 20.436 | ng | 96 |
| 65) | 4,6-Dinitro-2-methylph... | 15.604 | 198 | 129223 | 18.758 | ng | 97 |
| 66) | n-Nitrosodiphenylamine | 15.739 | 169 | 1039509 | 19.819 | ng | 98 |
| 67) | 4-Bromophenyl-phenylether | 16.422 | 248 | 353272 | 19.130 | ng | 96 |
| 68) | Hexachlorobenzene | 16.539 | 284 | 424108 | 19.444 | ng | 99 |
| 69) | Atrazine | 16.686 | 200 | 333655 | 19.373 | ng | 97 |
| 70) | Pentachlorophenol | 16.874 | 266 | 243316 | 17.920 | ng | 98 |
| 71) | Phenanthrene | 17.269 | 178 | 1876408 | 19.784 | ng | 100 |
| 72) | Anthracene | 17.357 | 178 | 1859273 | 19.694 | ng | 99 |
| 73) | Carbazole | 17.621 | 167 | 1691521 | 19.801 | ng | 100 |
| 74) | Di-n-butylphthalate | 18.198 | 149 | 1829412 | 19.566 | ng | 100 |
| 75) | Fluoranthene | 19.274 | 202 | 1980887 | 19.212 | ng | 98 |
| 77) | Benzidine | 19.451 | 184 | 884477 | 20.422 | ng | 99 |
| 78) | Pyrene | 19.639 | 202 | 2140070 | 19.679 | ng | 99 |
| 80) | Butylbenzylphthalate | 20.533 | 149 | 681649 | 19.009 | ng | 95 |
| 81) | Benzo(a)anthracene | 21.433 | 228 | 2176940 | 19.676 | ng | 99 |
| 82) | 3,3'-Dichlorobenzidine | 21.356 | 252 | 689176 | 18.471 | ng | 100 |
| 83) | Chrysene | 21.498 | 228 | 2037978 | 19.529 | ng | 100 |
| 84) | Bis(2-ethylhexyl)phtha... | 21.368 | 149 | 1117874 | 19.638 | ng | 100 |
| 85) | Di-n-octyl phthalate | 22.521 | 149 | 1580618 | 17.729 | ng | 99 |
| 87) | Indeno(1,2,3-cd)pyrene | 27.927 | 276 | 2274737 | 19.328 | ng | 99 |
| 88) | Benzo(b)fluoranthene | 23.533 | 252 | 1948651 | 19.138 | ng | 99 |
| 89) | Benzo(k)fluoranthene | 23.592 | 252 | 2064811 | 19.544 | ng | 99 |
| 90) | Benzo(a)pyrene | 24.350 | 252 | 1819117 | 19.085 | ng | 99 |
| 91) | Dibenzo(a,h)anthracene | 27.991 | 278 | 1918673 | 19.357 | ng | 100 |
| 92) | Benzo(g,h,i)perylene | 28.997 | 276 | 1815952 | 19.385 | ng | 99 |

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

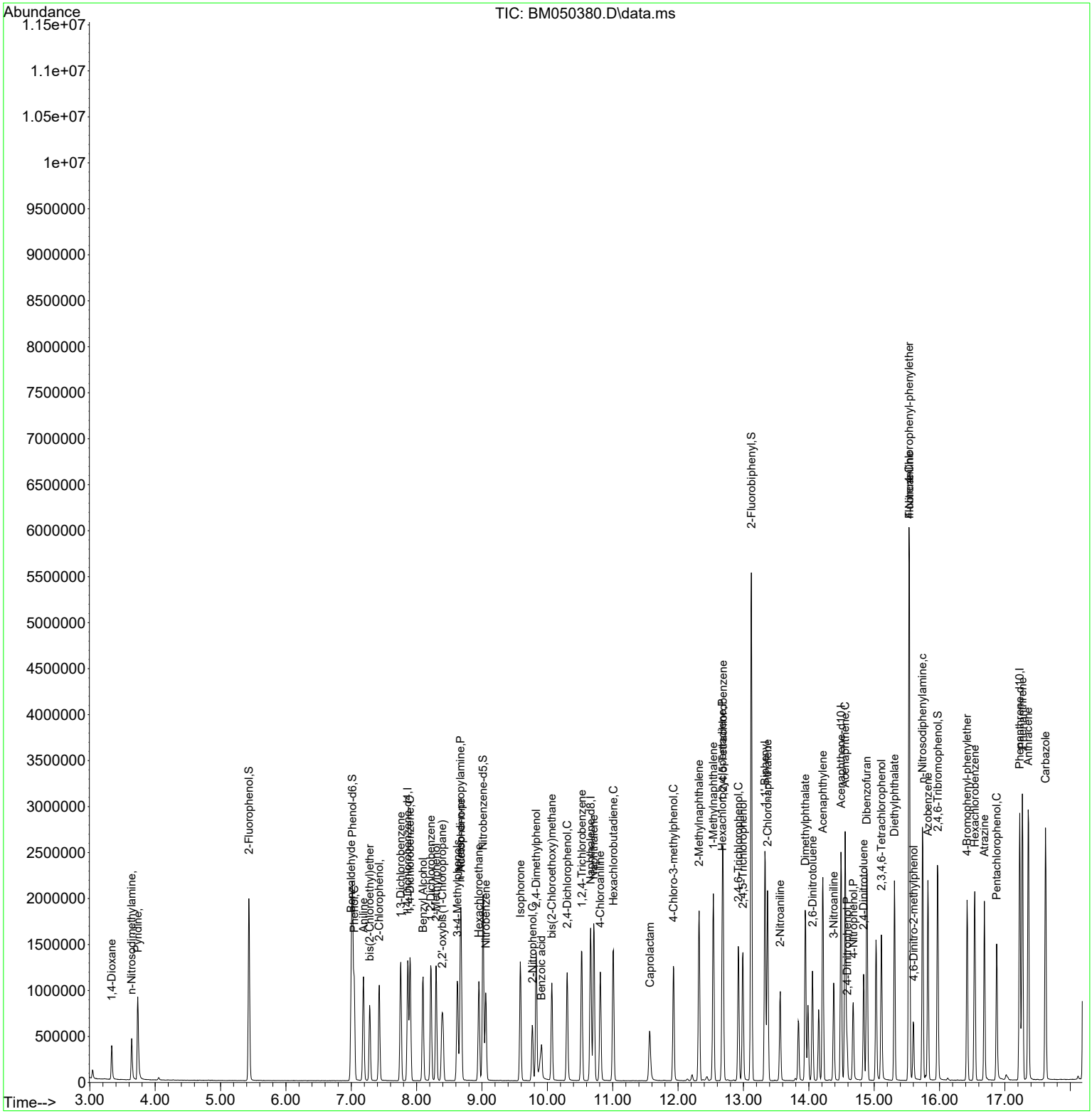
Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050380.D
Acq On : 08 Jul 2025 14:40
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Quant Time: Jul 08 18:21:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



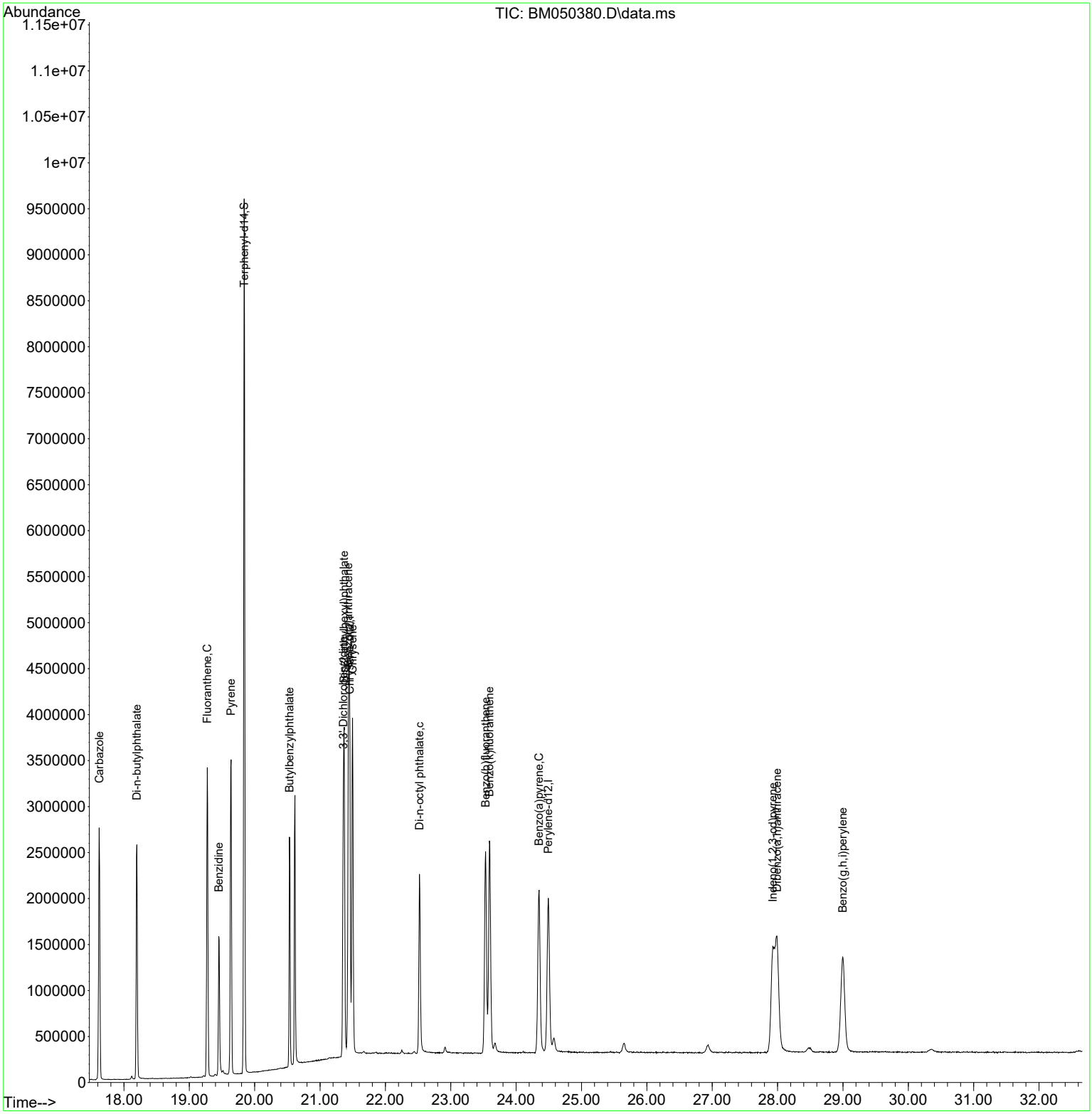
Quantitation Report (QT Reviewed)

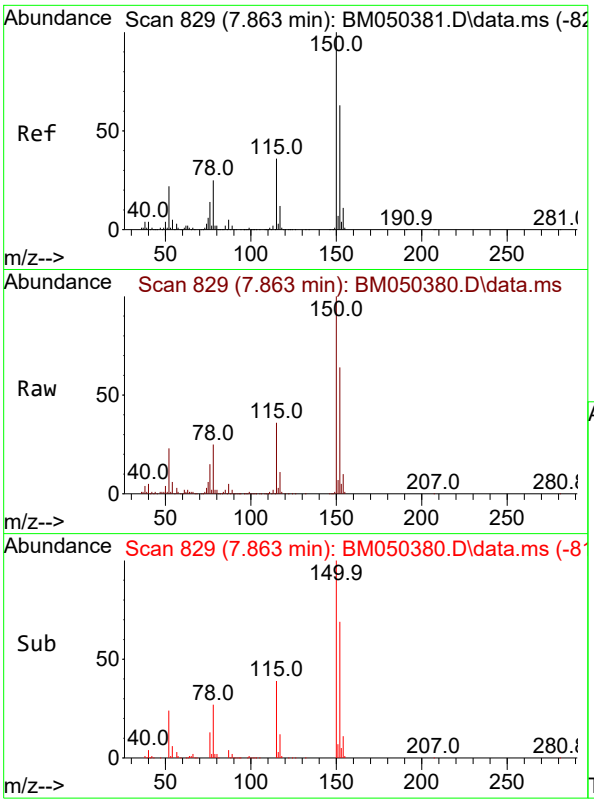
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050380.D
Acq On : 08 Jul 2025 14:40
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Quant Time: Jul 08 18:21:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



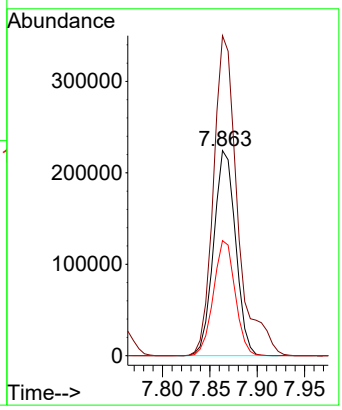


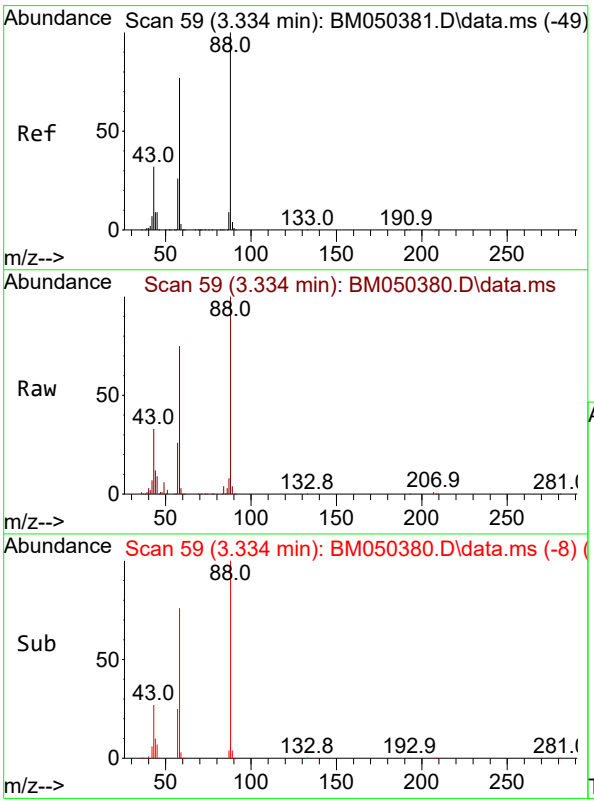

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:152 Resp: 361505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.0 | 126.2 | 189.4 |
| 115 | 56.1 | 45.8 | 68.8 |

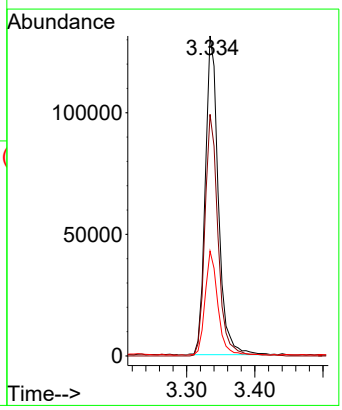


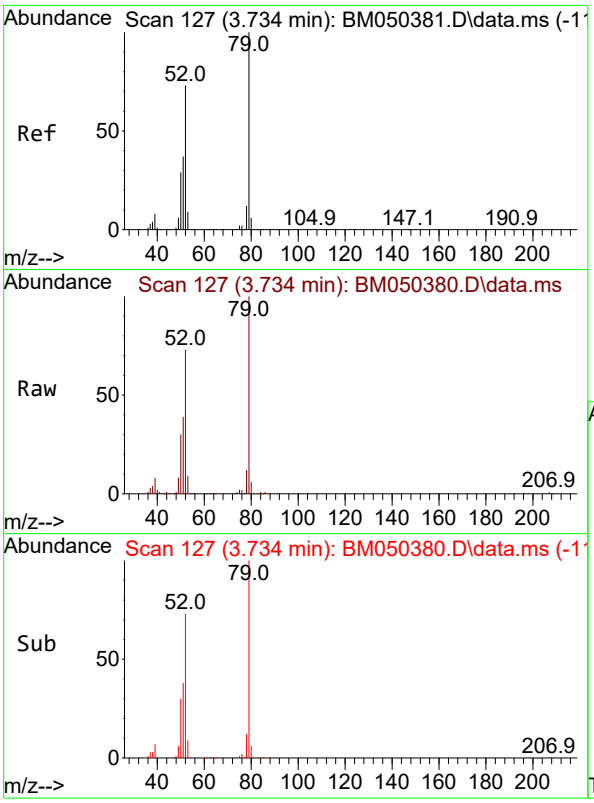




#2
1,4-Dioxane
Concen: 20.190 ng
RT: 3.334 min Scan# 59
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 88 Resp: 174356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 76.7 | 61.0 | 91.6 |
| 43 | 31.7 | 24.6 | 37.0 |



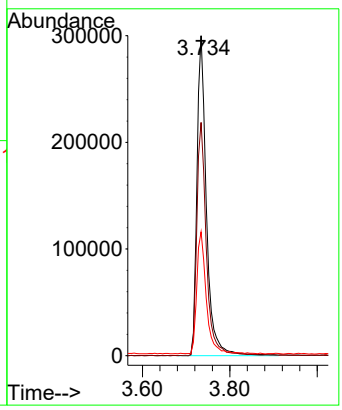


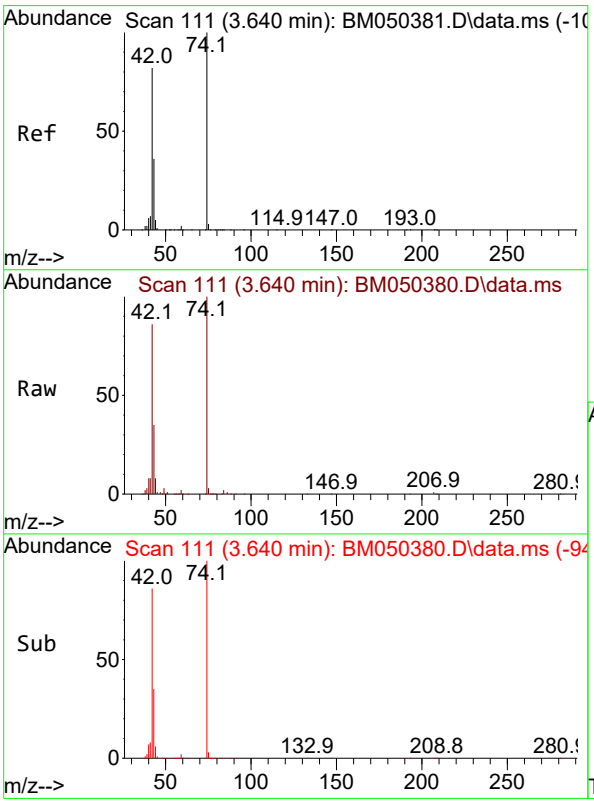

#3
Pyridine
Concen: 20.022 ng
RT: 3.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion: 79 Resp: 453940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 72.9 | 58.3 | 87.5 |
| 51 | 38.7 | 29.6 | 44.4 |

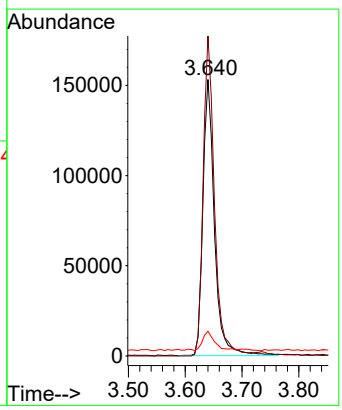


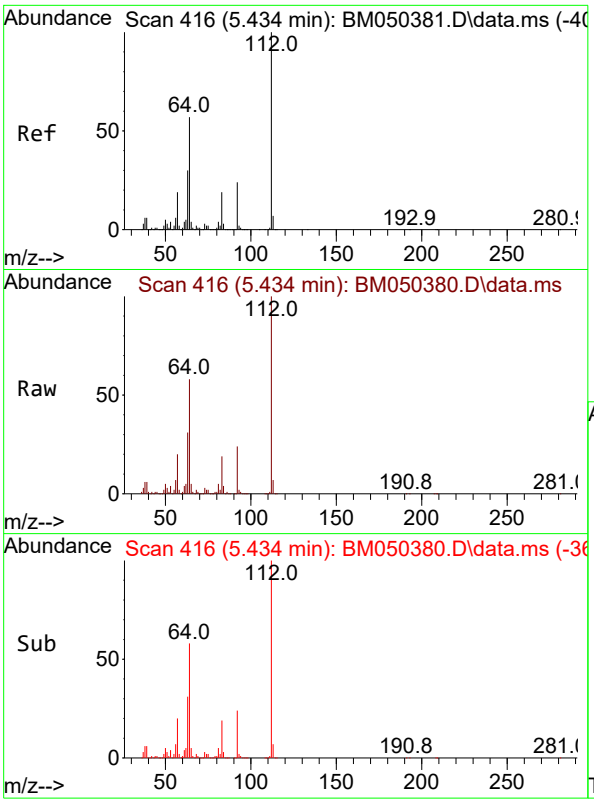




#4
n-Nitrosodimethylamine
Concen: 20.366 ng
RT: 3.640 min Scan# 111
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 42 Resp: 215262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 115.7 | 97.5 | 146.3 |
| 44 | 8.9 | 5.7 | 8.5# |



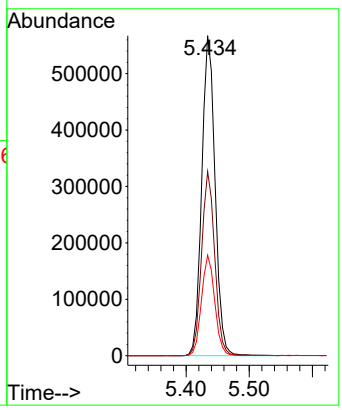


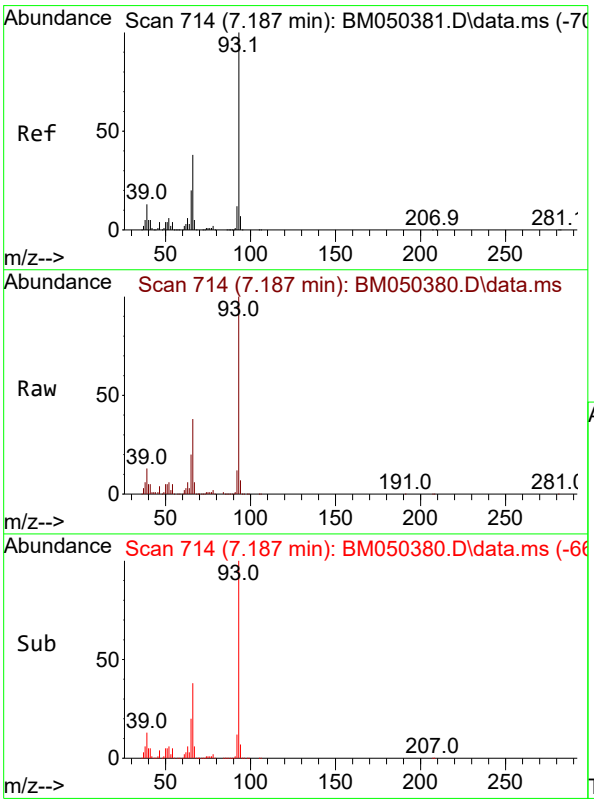

#5
2-Fluorophenol
Concen: 39.560 ng
RT: 5.434 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:112 Resp: 830817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.5 | 45.5 | 68.3 |
| 63 | 31.4 | 24.2 | 36.4 |

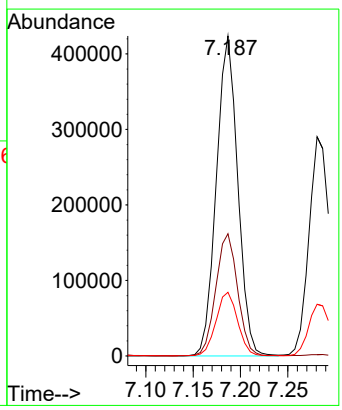


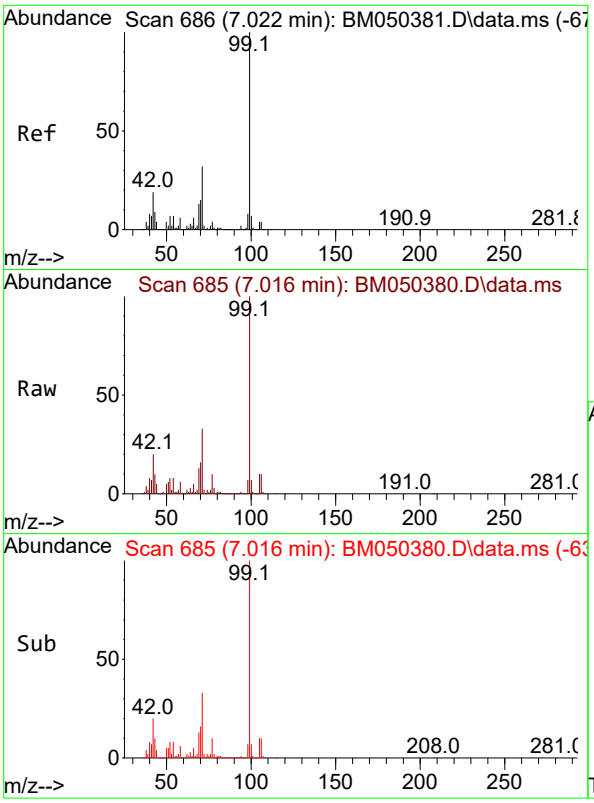




#6
Aniline
Concen: 19.625 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 93 Resp: 666785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.2 | 30.5 | 45.7 |
| 65 | 19.9 | 15.9 | 23.9 |



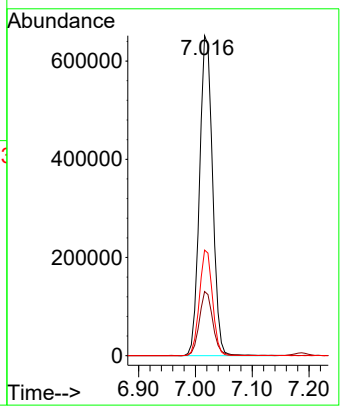


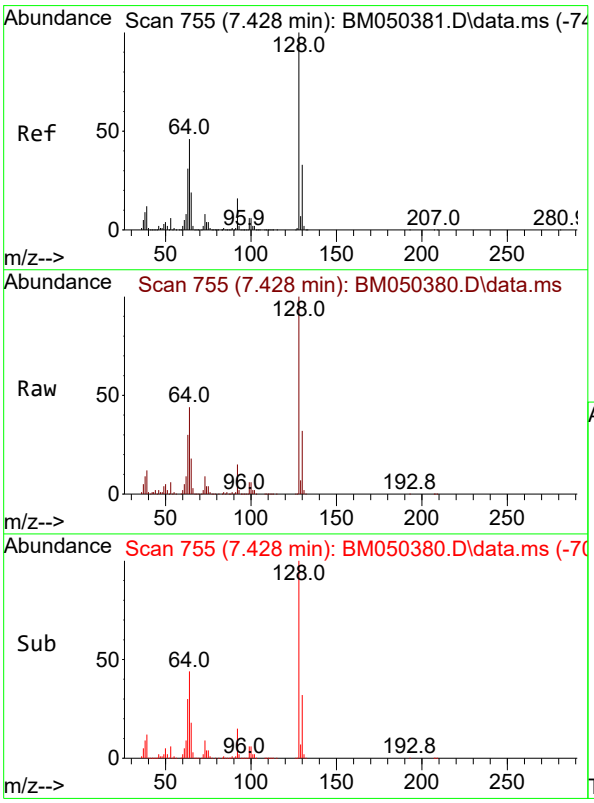

#7
Phenol-d6
Concen: 39.345 ng
RT: 7.016 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion: 99 Resp: 1041640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.1 | 15.0 | 22.6 |
| 71 | 33.0 | 25.9 | 38.9 |

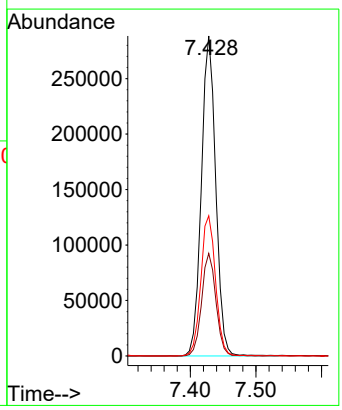


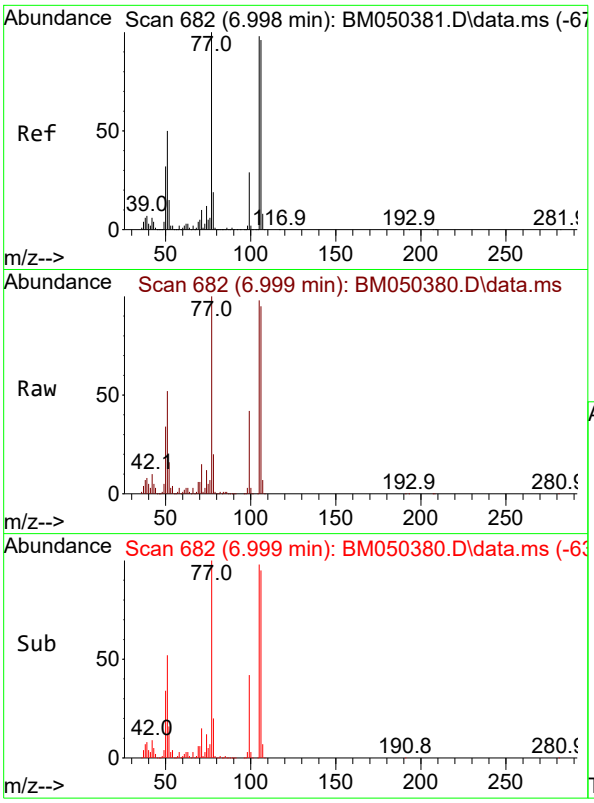




#8
2-Chlorophenol
Concen: 19.898 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:128 Resp: 440657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.0 | 13.3 | 53.3 |
| 64 | 43.8 | 25.6 | 65.6 |



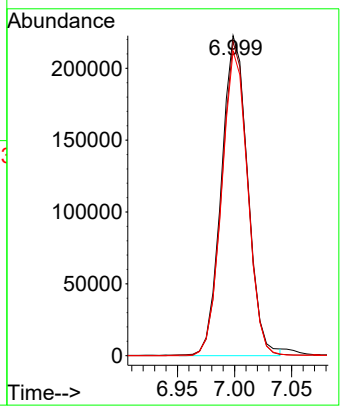


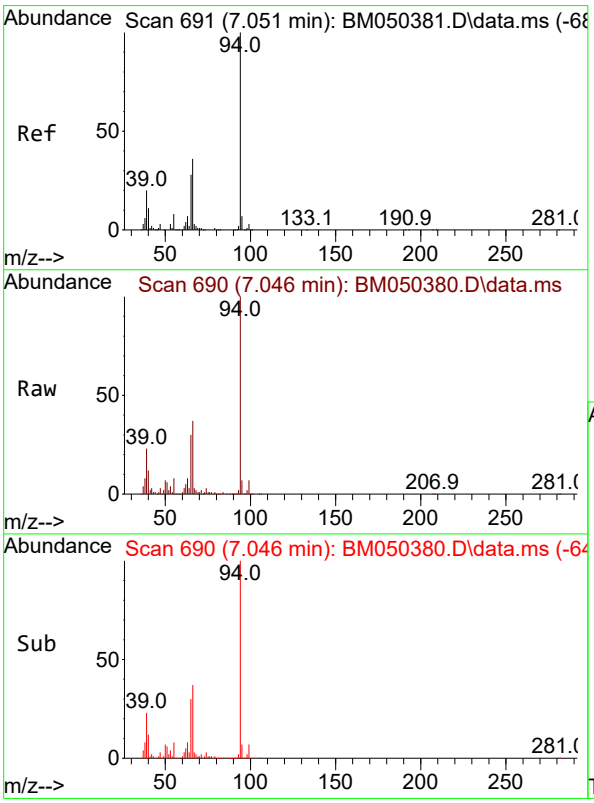

#9
Benzaldehyde
Concen: 22.600 ng m
RT: 6.999 min Scan# 6
Delta R.T. 0.001 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion: 77 Resp: 355966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 98.1 | 78.4 | 118.4 |
| 106 | 95.2 | 76.3 | 116.3 |

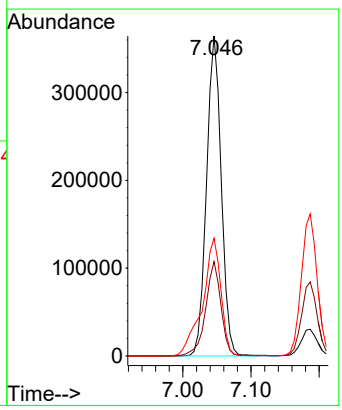


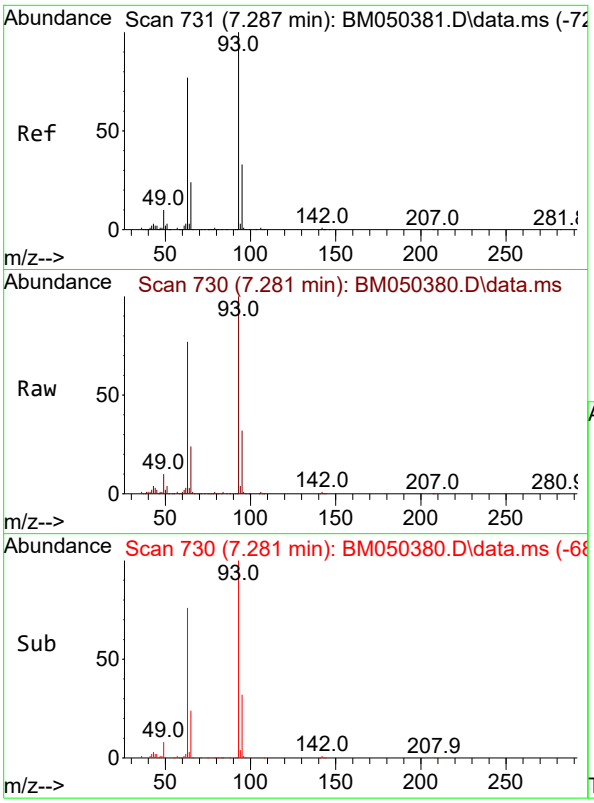




#10
Phenol
Concen: 19.845 ng
RT: 7.046 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 94 Resp: 548000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.5 | 8.1 | 48.1 |
| 66 | 36.8 | 15.8 | 55.8 |



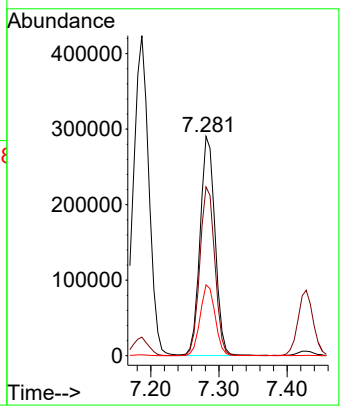


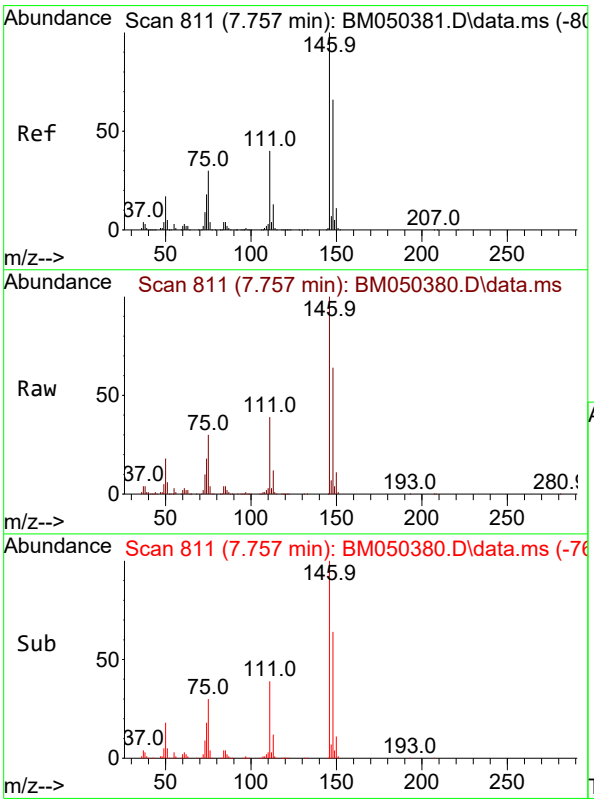

#11
bis(2-Chloroethyl)ether
Concen: 20.000 ng
RT: 7.281 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion: 93 Resp: 442290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 77.0 | 56.9 | 96.9 |
| 95 | 32.3 | 12.6 | 52.6 |

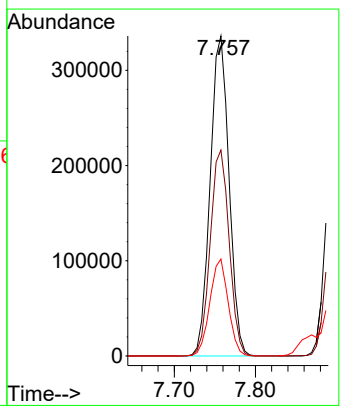


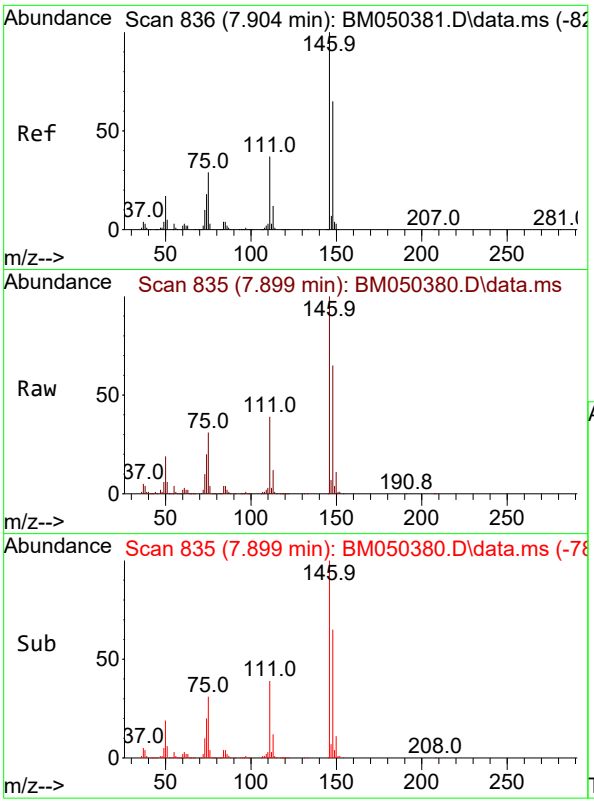




#12
1,3-Dichlorobenzene
Concen: 20.088 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:146 Resp: 540913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 53.2 | 79.8 |
| 75 | 30.3 | 23.9 | 35.9 |



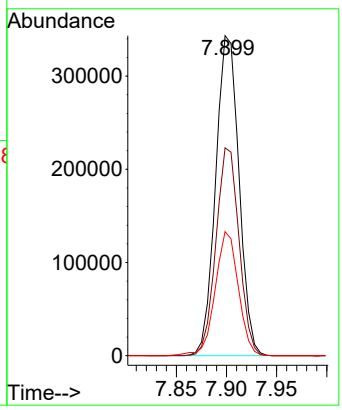


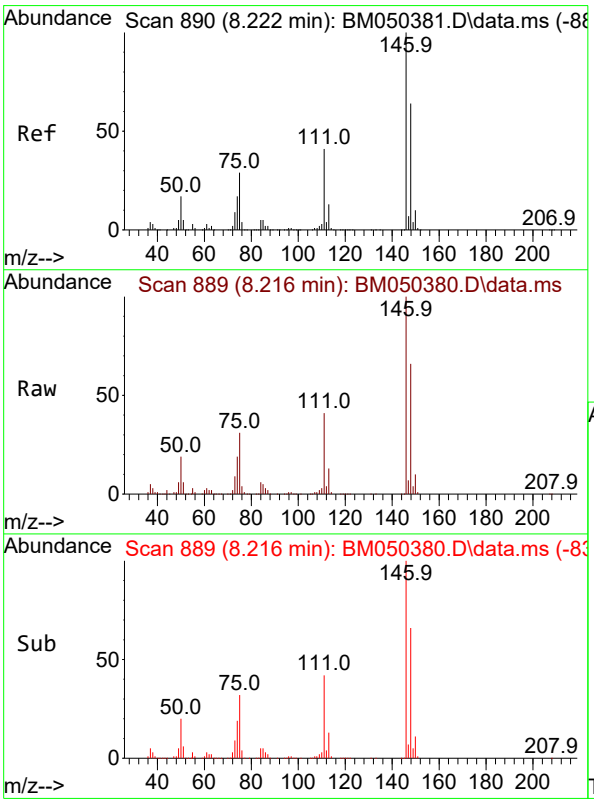

#13
1,4-Dichlorobenzene
Concen: 20.200 ng
RT: 7.899 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:146 Resp: 555418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.9 | 51.9 | 77.9 |
| 111 | 38.8 | 30.0 | 45.0 |

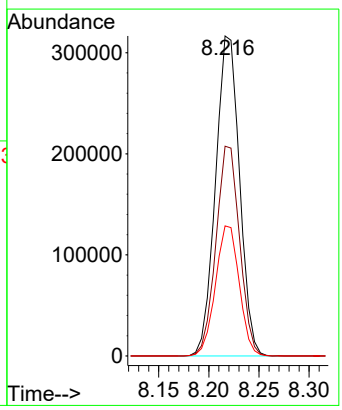


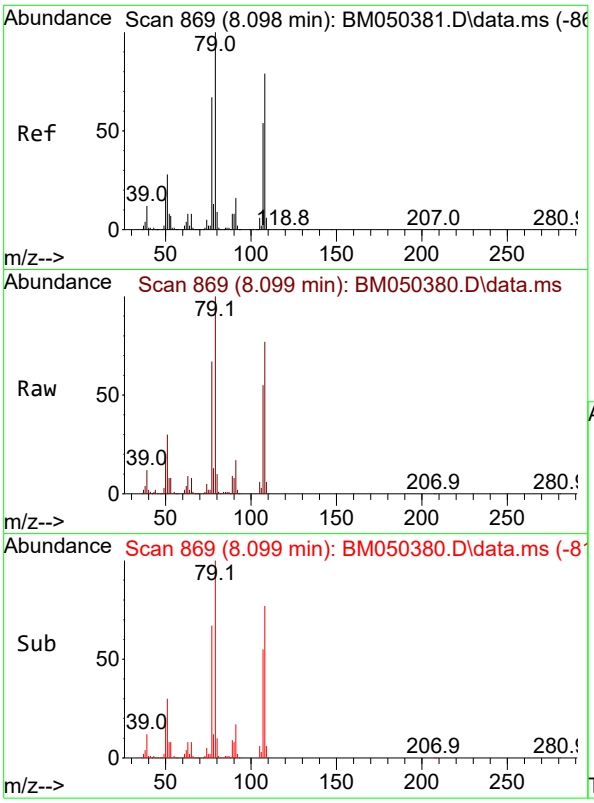




#14
1,2-Dichlorobenzene
Concen: 19.966 ng
RT: 8.216 min Scan# 889
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:146 Resp: 525580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.5 | 51.5 | 77.3 |
| 111 | 40.6 | 32.6 | 49.0 |



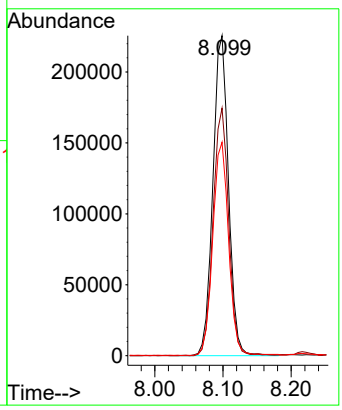


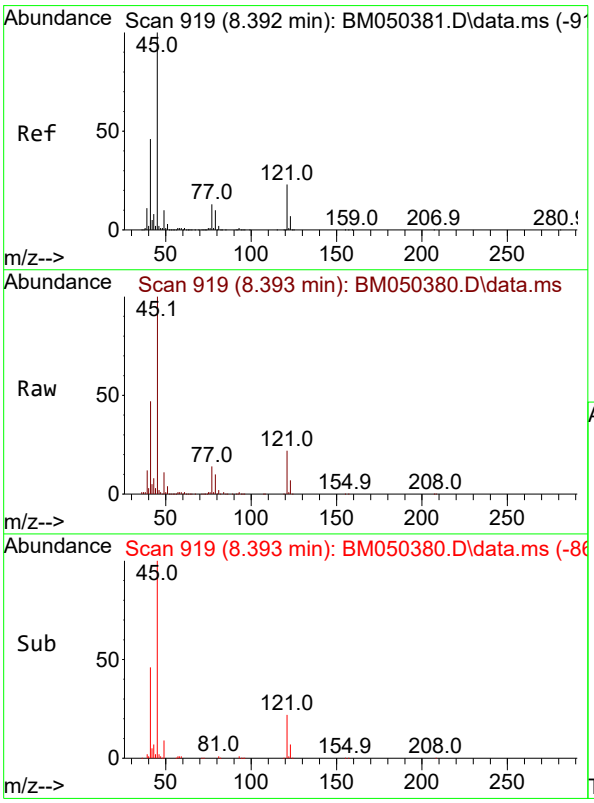

#15
Benzyl Alcohol
Concen: 19.292 ng
RT: 8.099 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion: 79 Resp: 359867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 77.3 | 63.0 | 94.4 |
| 77 | 66.7 | 53.4 | 80.0 |

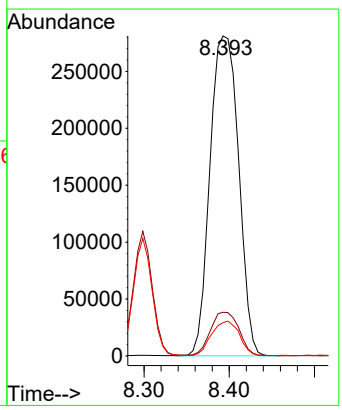


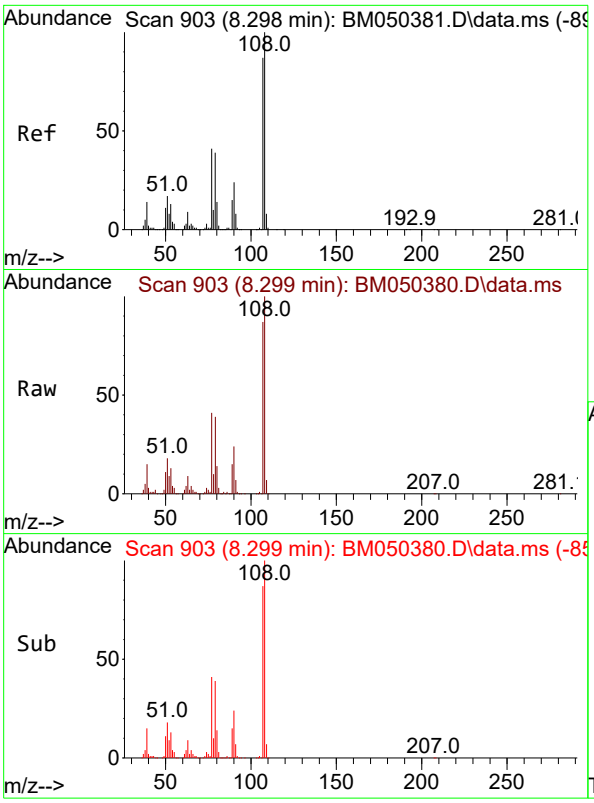




#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.176 ng
RT: 8.393 min Scan# 919
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 45 Resp: 657213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.7 | 0.0 | 33.5 |
| 79 | 10.4 | 0.0 | 30.3 |



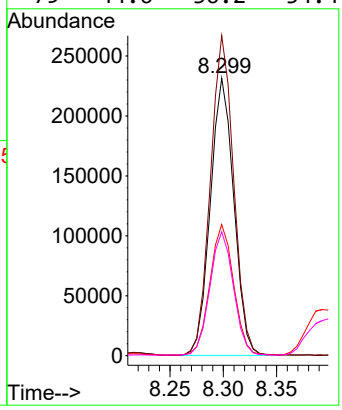


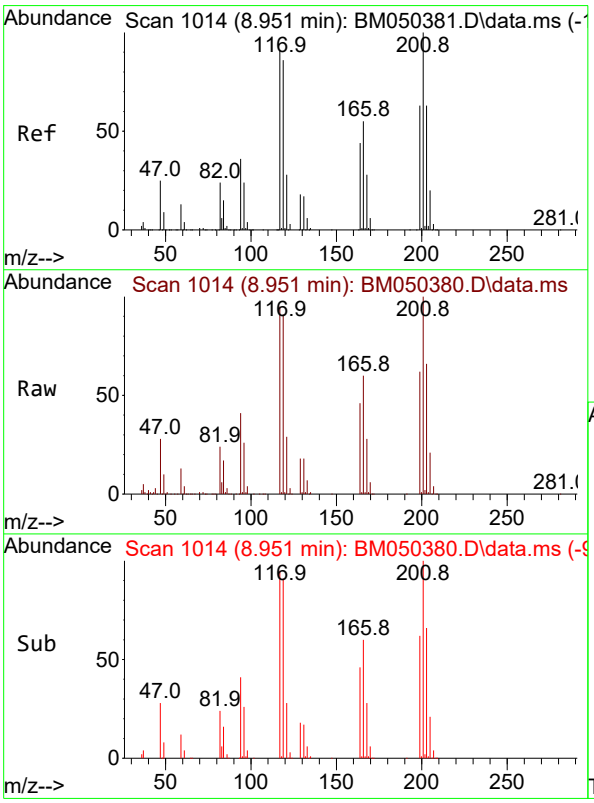

#17
2-Methylphenol
Concen: 19.772 ng
RT: 8.299 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:107 Resp: 354110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 115.2 | 92.1 | 138.1 |
| 77 | 47.3 | 38.2 | 57.4 |
| 79 | 44.6 | 36.2 | 54.4 |

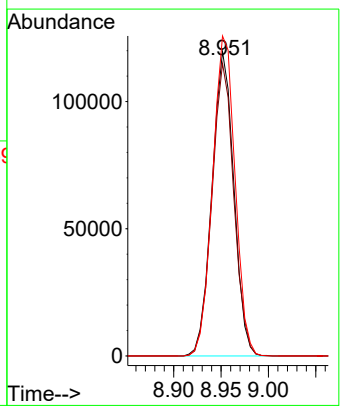


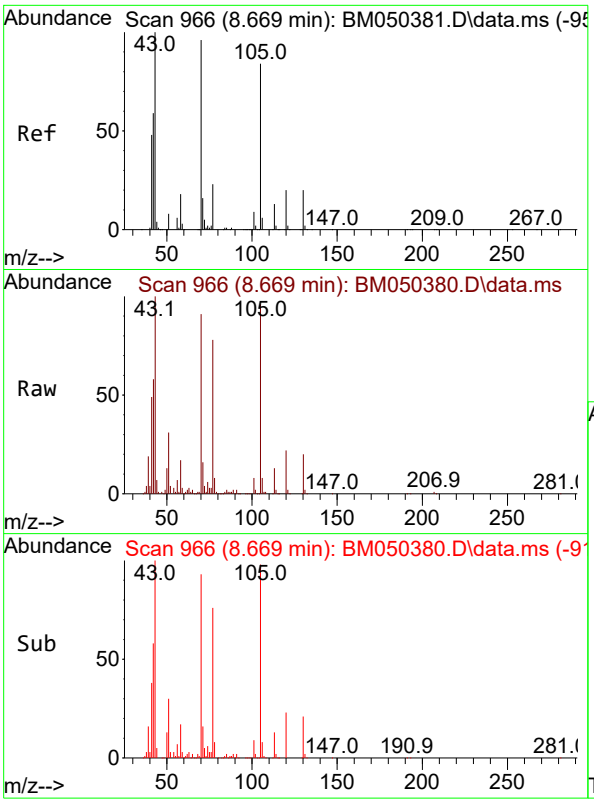




#18
Hexachloroethane
Concen: 19.883 ng
RT: 8.951 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:117 Resp: 192269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.1 | 75.6 | 113.4 |
| 201 | 105.2 | 87.9 | 131.9 |



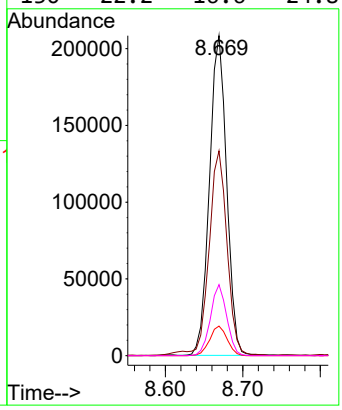


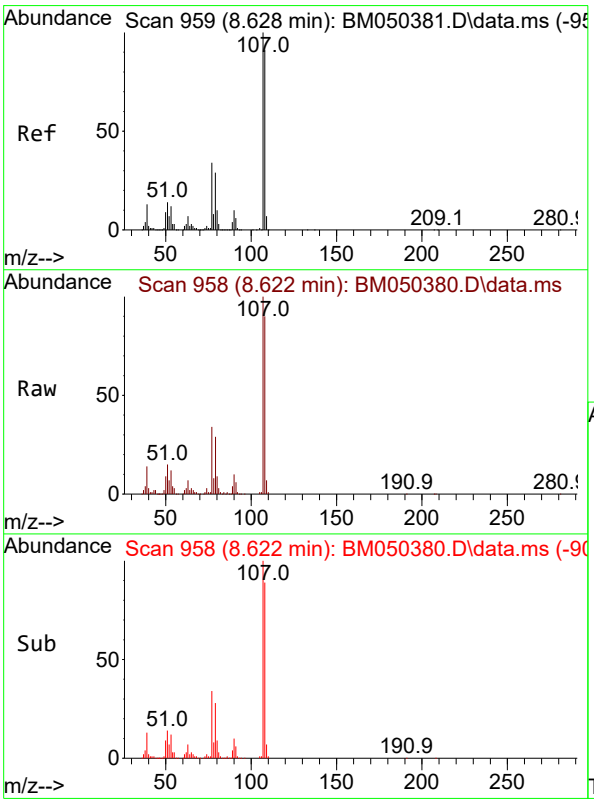

#19
n-Nitroso-di-n-propylamine
Concen: 20.010 ng
RT: 8.669 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion: 70 Resp: 320932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 64.0 | 49.7 | 74.5 |
| 101 | 9.2 | 7.7 | 11.5 |
| 130 | 22.2 | 16.6 | 24.8 |

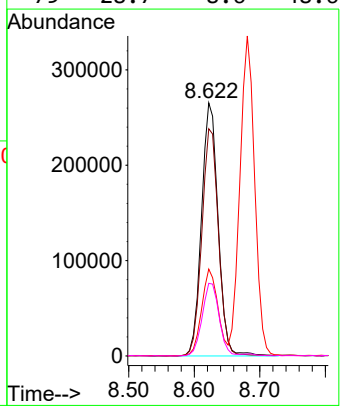


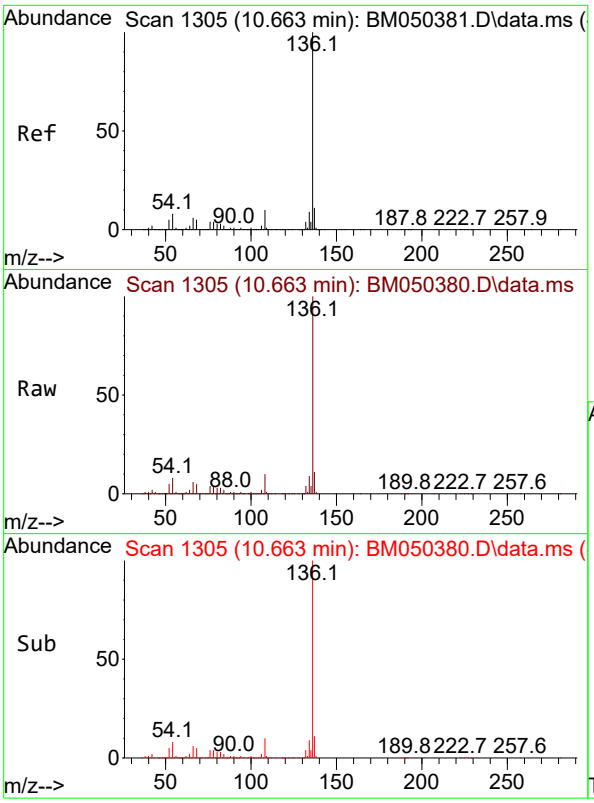




#20
3+4-Methylphenols
Concen: 19.493 ng
RT: 8.622 min Scan# 958
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:107 Resp: 468665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.7 | 71.5 | 111.5 |
| 77 | 34.3 | 13.7 | 53.7 |
| 79 | 28.7 | 8.6 | 48.6 |



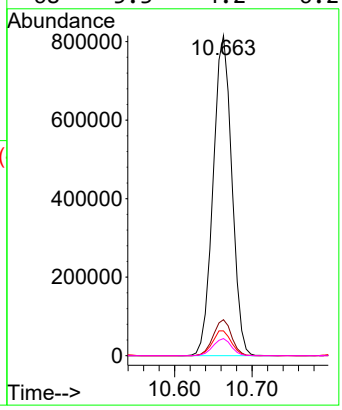


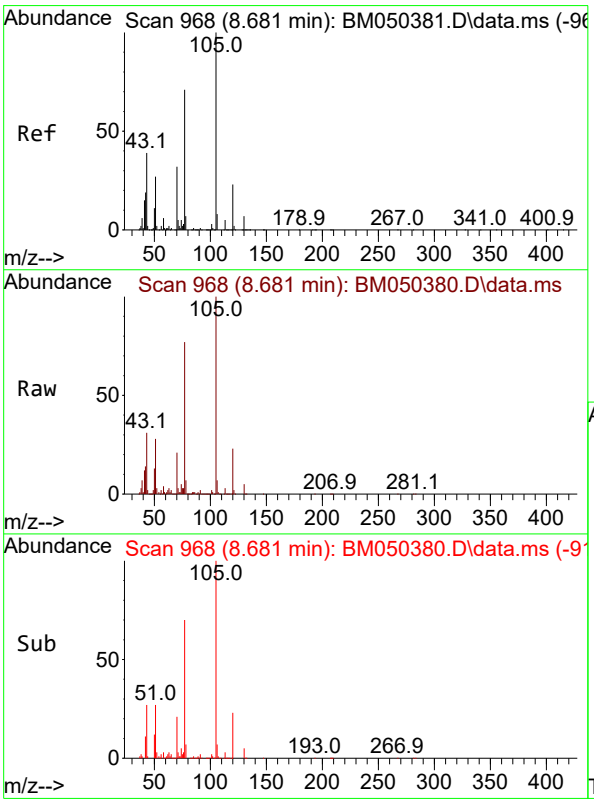

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:136 Resp: 1364913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.8 | 13.2 |
| 54 | 7.7 | 6.3 | 9.5 |
| 68 | 5.3 | 4.2 | 6.2 |

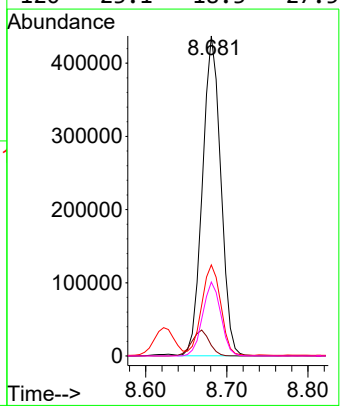


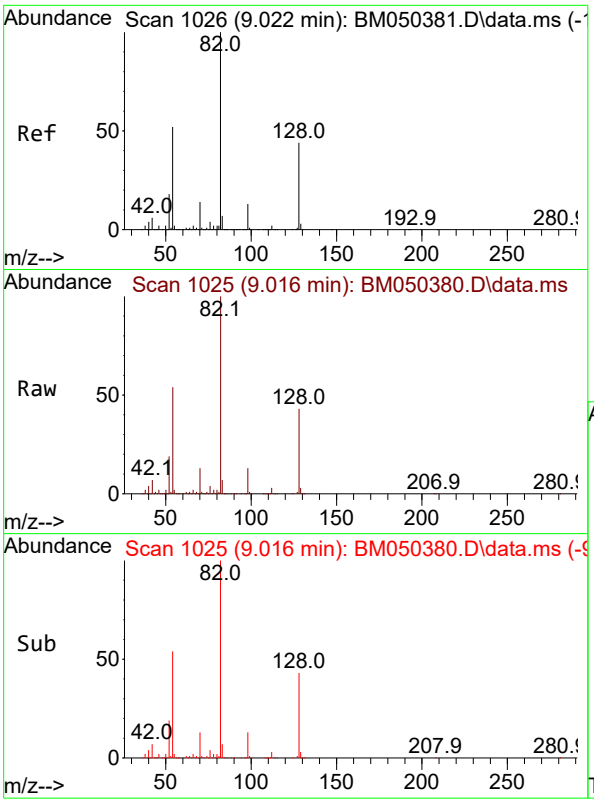




#22
Acetophenone
Concen: 20.046 ng
RT: 8.681 min Scan# 968
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:105 Resp: 684104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 3.3 | 4.4 | 6.6# |
| 51 | 28.4 | 23.0 | 34.6 |
| 120 | 23.1 | 18.3 | 27.5 |



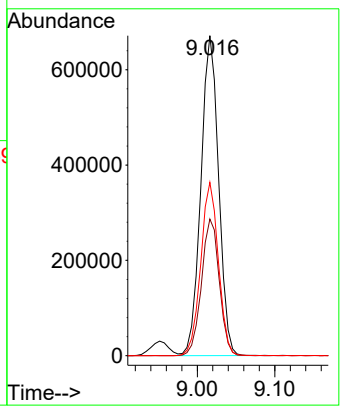


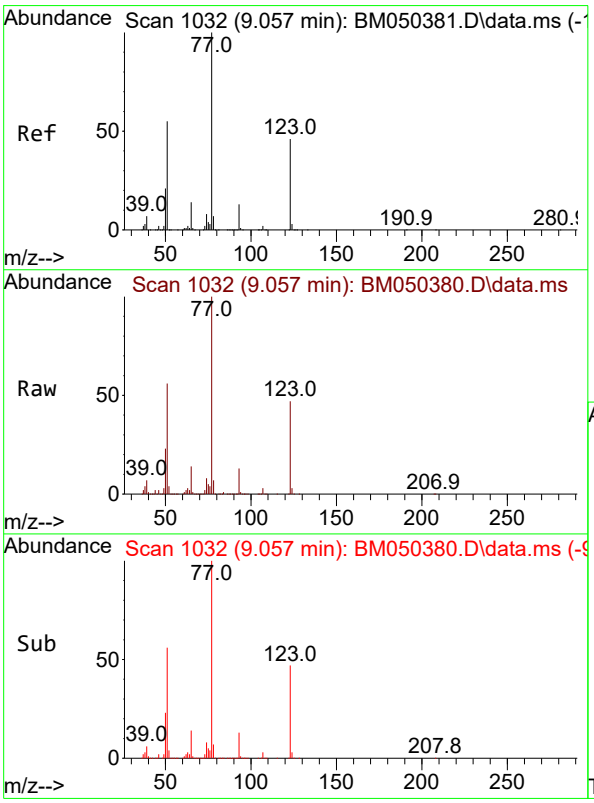

#23
Nitrobenzene-d5
Concen: 39.813 ng
RT: 9.016 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion: 82 Resp: 1065139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.7 | 35.2 | 52.8 |
| 54 | 54.1 | 41.5 | 62.3 |

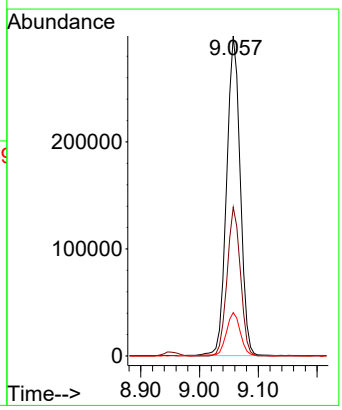


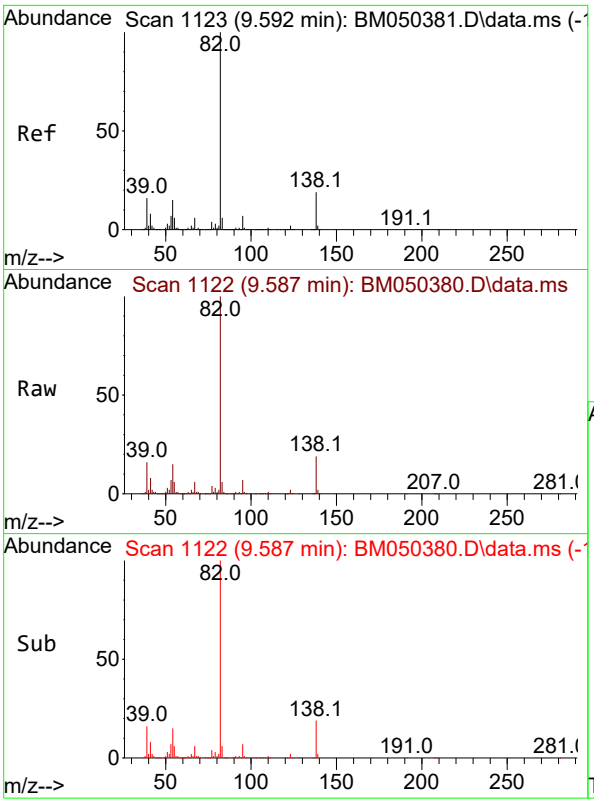




#24
Nitrobenzene
Concen: 20.179 ng
RT: 9.057 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 77 Resp: 481755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.5 | 37.0 | 55.6 |
| 65 | 13.5 | 11.0 | 16.4 |



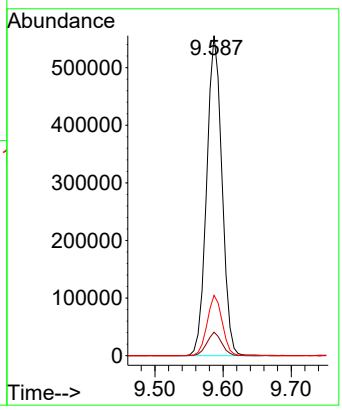


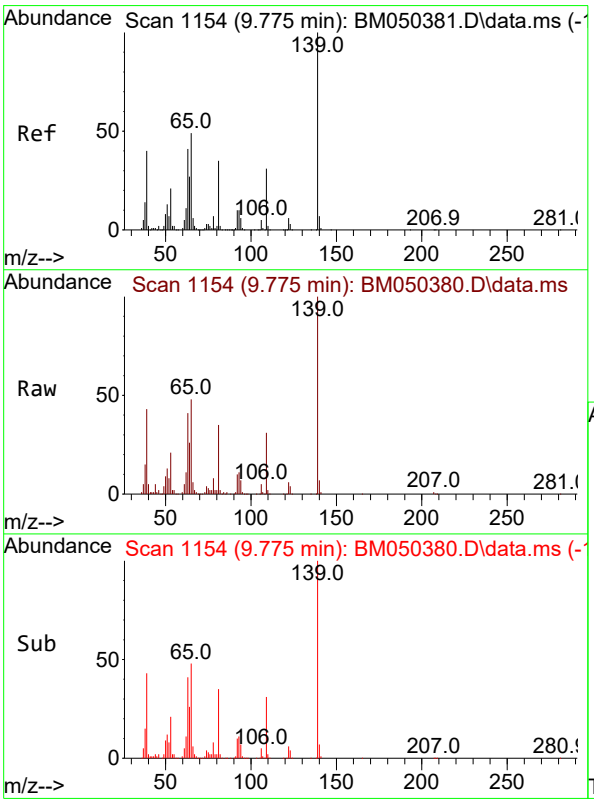

#25
Isophorone
Concen: 19.946 ng
RT: 9.587 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion: 82 Resp: 865912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.3 | 5.6 | 8.4 |
| 138 | 18.8 | 15.3 | 22.9 |

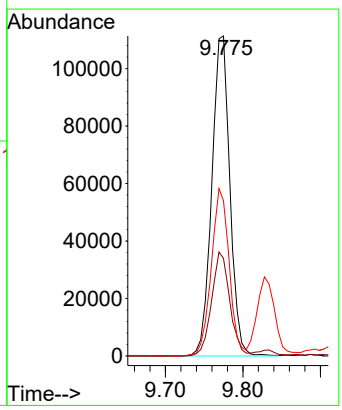


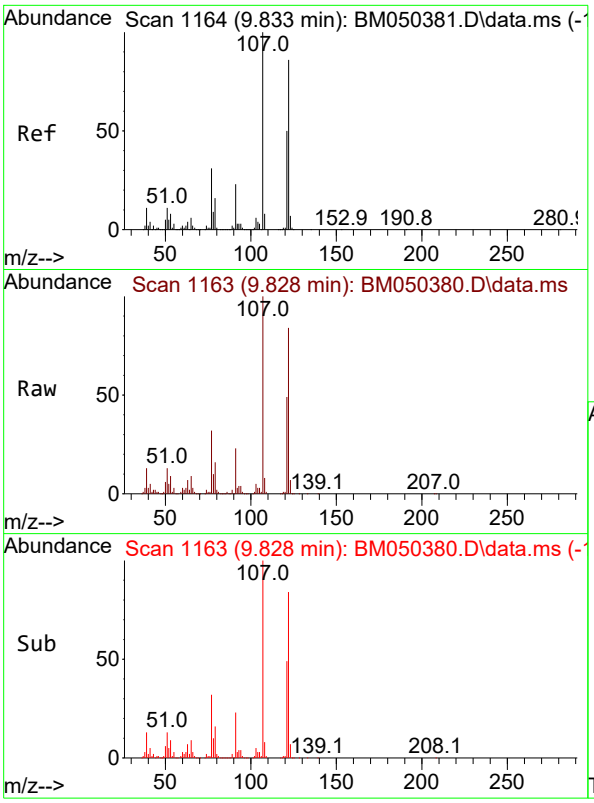




#26
2-Nitrophenol
Concen: 18.532 ng
RT: 9.775 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:139 Resp: 180315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.5 | 24.6 | 36.8 |
| 65 | 48.5 | 39.2 | 58.8 |



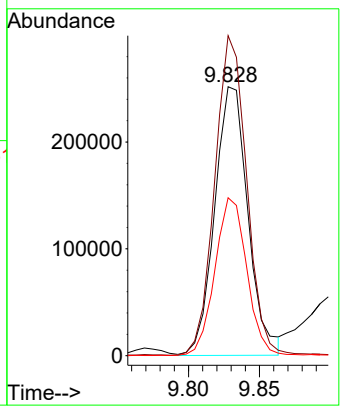


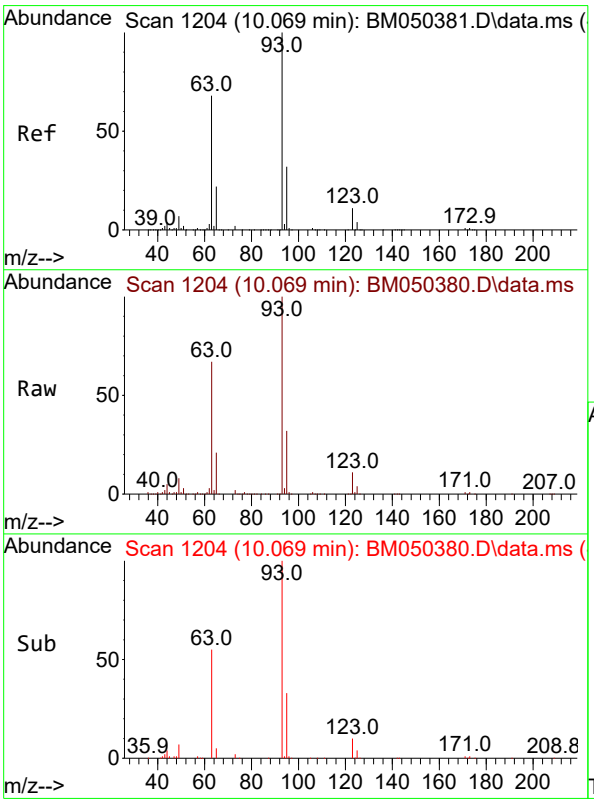

#27
2,4-Dimethylphenol
Concen: 19.828 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:122 Resp: 410521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 119.0 | 93.0 | 139.6 |
| 121 | 58.7 | 46.1 | 69.1 |

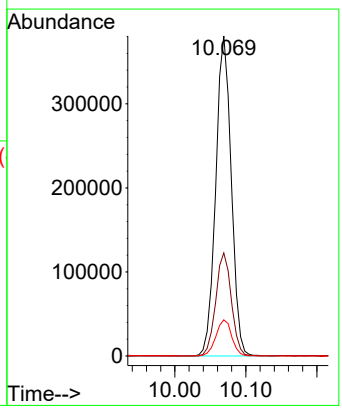


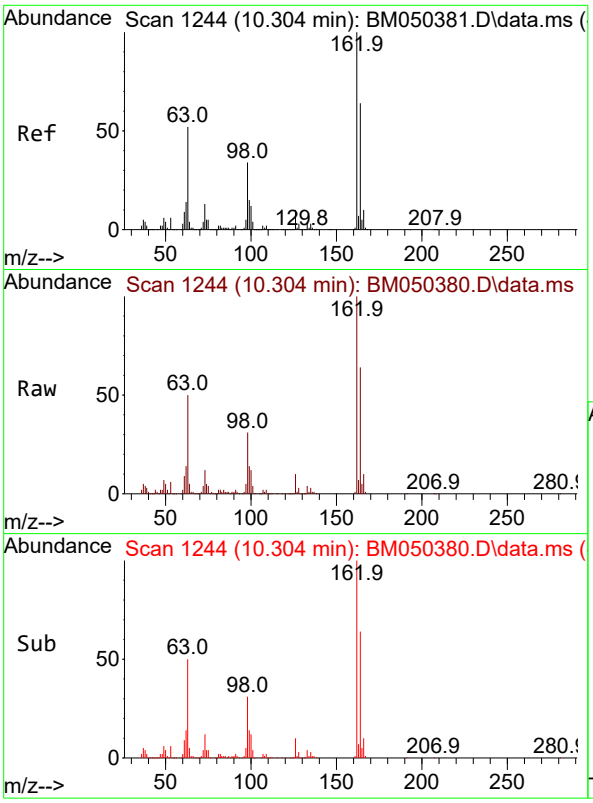




#28
bis(2-Chloroethoxy)methane
Concen: 20.023 ng
RT: 10.069 min Scan# 1204
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 93 Resp: 575979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.2 | 25.8 | 38.6 |
| 123 | 11.3 | 9.1 | 13.7 |



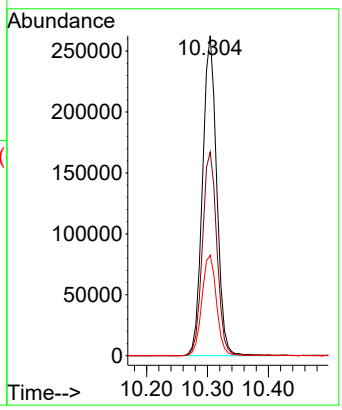


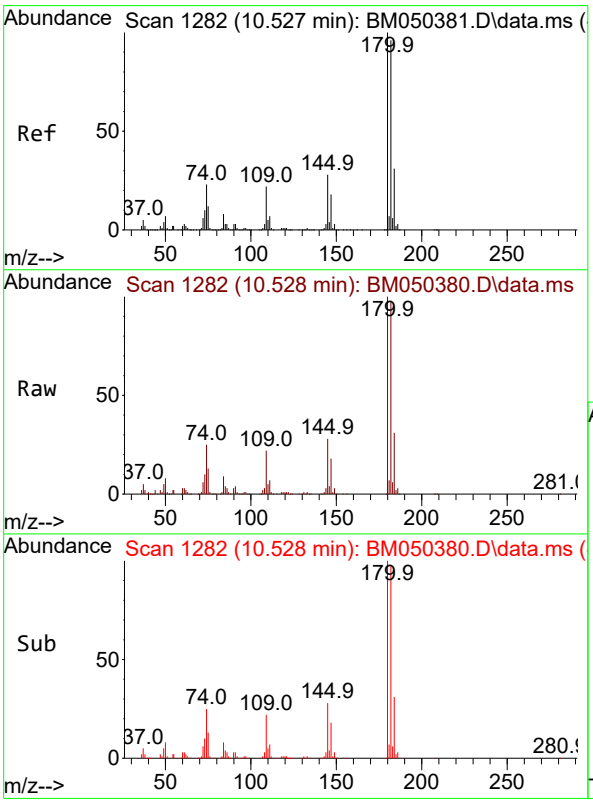

#29
2,4-Dichlorophenol
Concen: 19.970 ng
RT: 10.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:162 Resp: 424771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.7 | 43.7 | 83.7 |
| 98 | 31.4 | 13.7 | 53.7 |

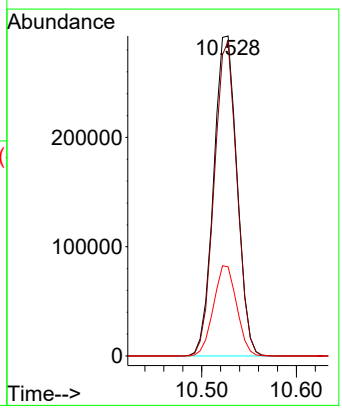


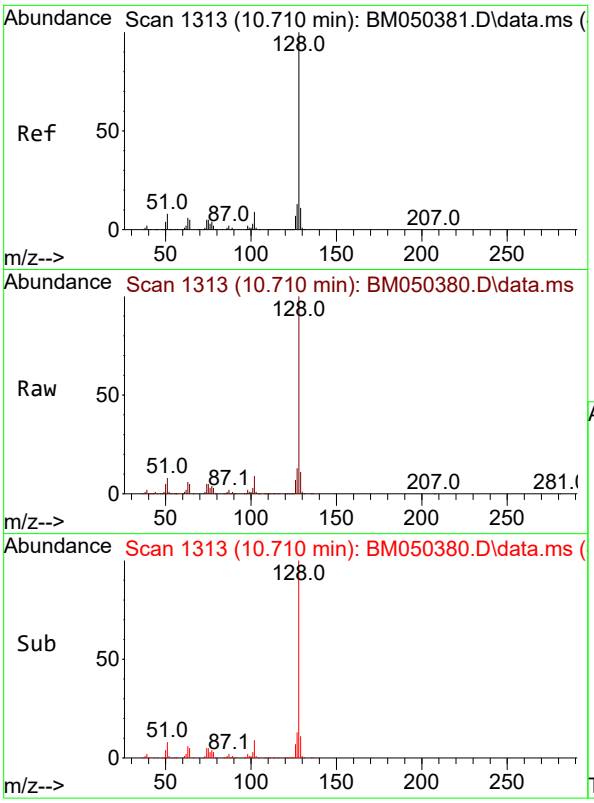




#30
1,2,4-Trichlorobenzene
Concen: 19.769 ng
RT: 10.528 min Scan# 1282
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:180 Resp: 503042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.3 | 76.8 | 115.2 |
| 145 | 27.9 | 22.6 | 33.8 |



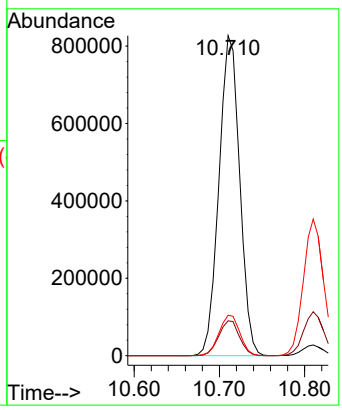


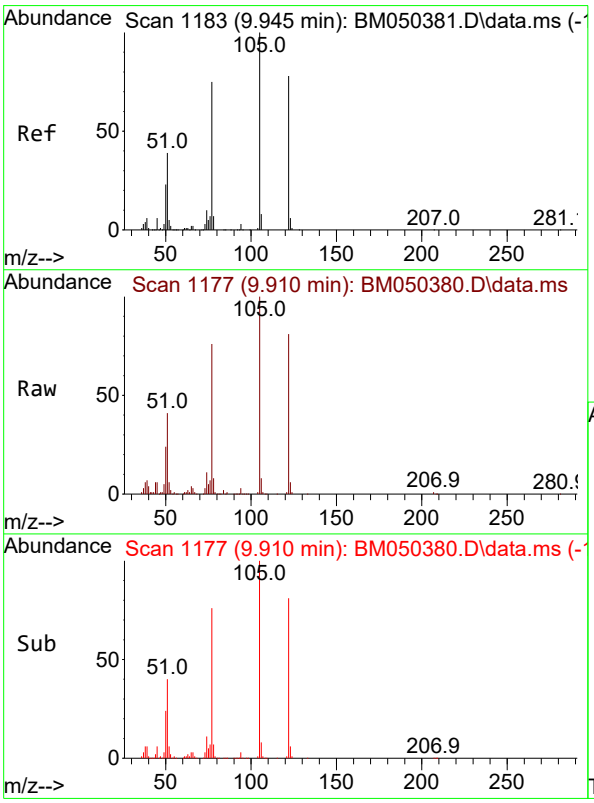

#31
Naphthalene
Concen: 20.160 ng
RT: 10.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:128 Resp: 1397680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.8 | 13.2 |
| 127 | 12.7 | 10.4 | 15.6 |

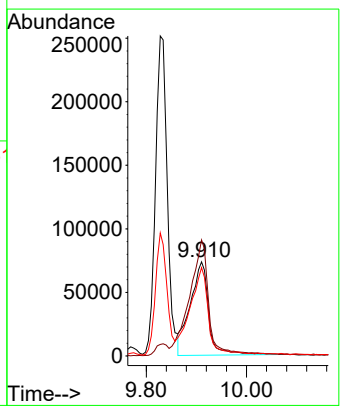


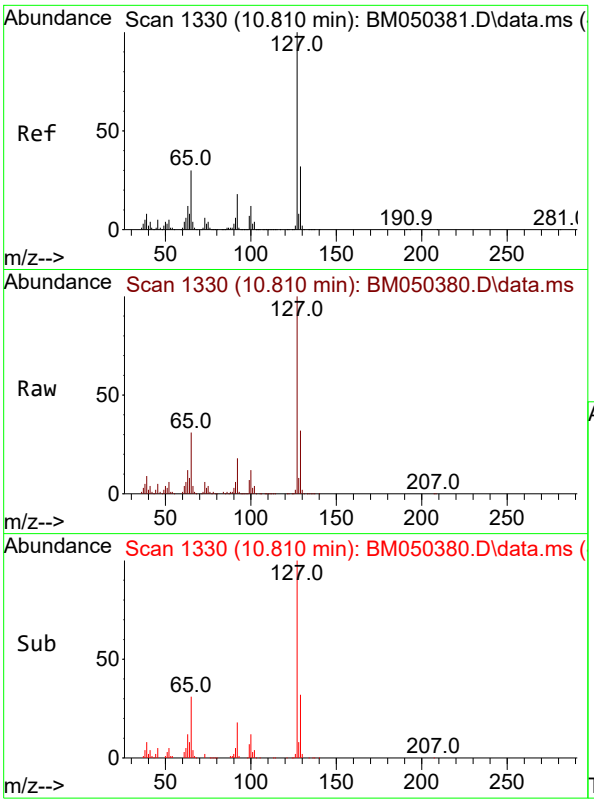




#32
Benzoic acid
Concen: 19.011 ng
RT: 9.910 min Scan# 1177
Delta R.T. -0.035 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:122 Resp: 189237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.3 | 104.0 | 144.0 |
| 77 | 93.9 | 73.8 | 113.8 |



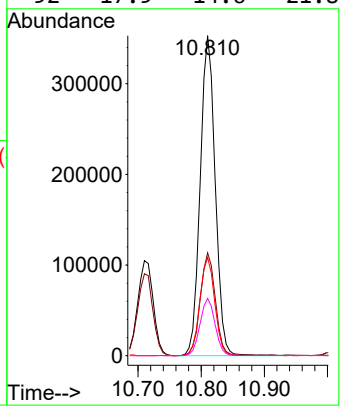


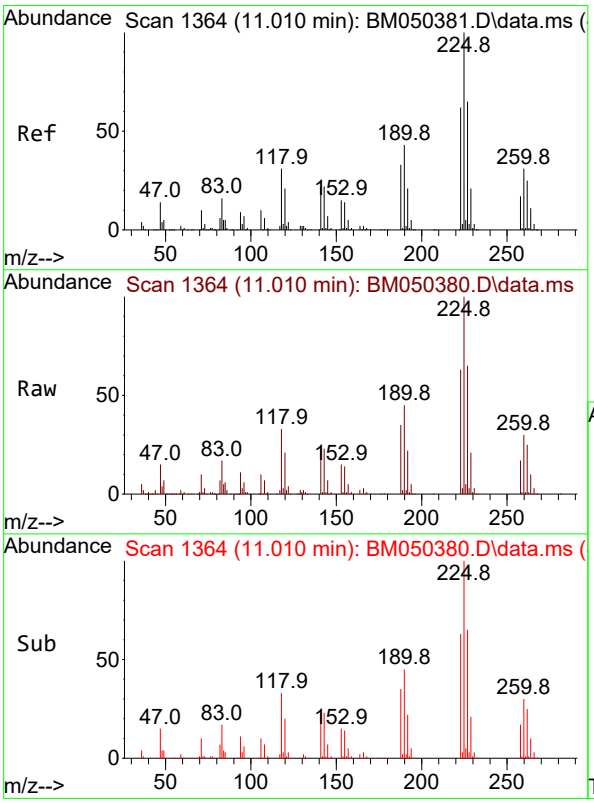

#33
4-Chloroaniline
Concen: 19.867 ng
RT: 10.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:127 Resp: 582272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.2 | 25.5 | 38.3 |
| 65 | 30.7 | 23.9 | 35.9 |
| 92 | 17.9 | 14.6 | 21.8 |

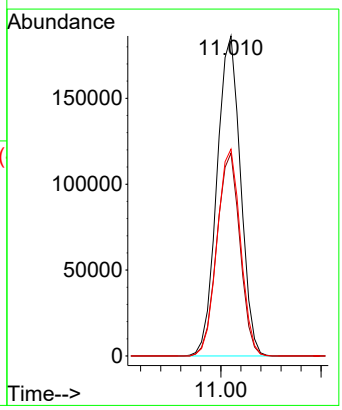


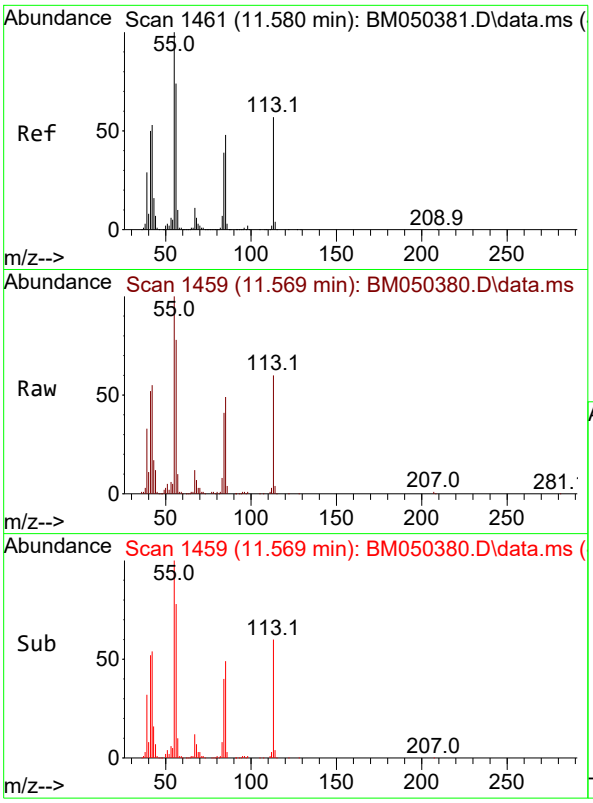




#34
Hexachlorobutadiene
Concen: 19.552 ng
RT: 11.010 min Scan# 1364
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:225 Resp: 303657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.4 | 49.7 | 74.5 |
| 227 | 64.7 | 52.1 | 78.1 |



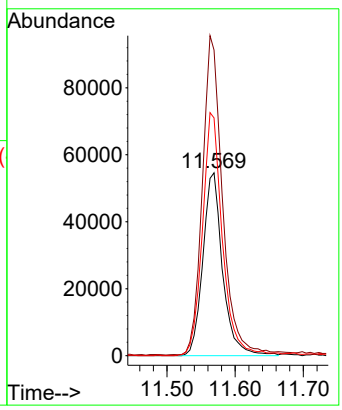


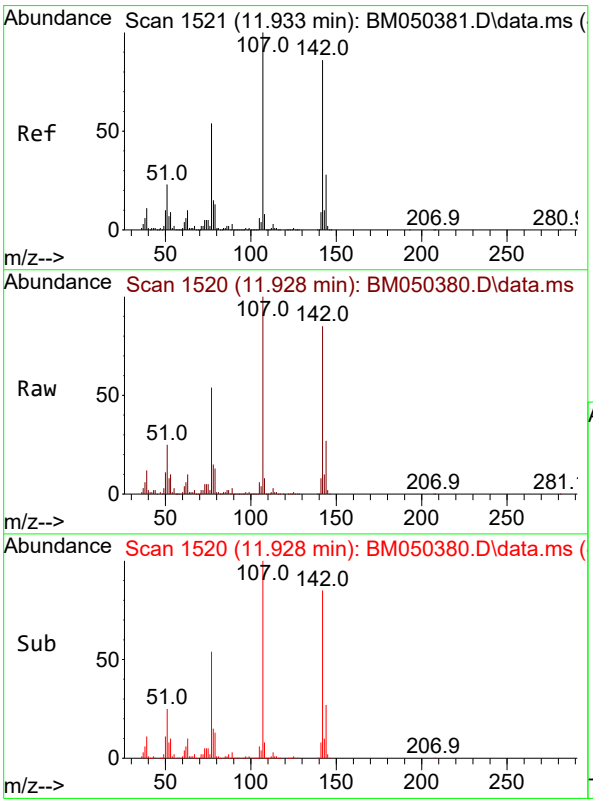

#35
Caprolactam
Concen: 18.951 ng
RT: 11.569 min Scan# 1
Delta R.T. -0.011 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:113 Resp: 110042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 167.1 | 157.2 | 197.2 |
| 56 | 130.0 | 111.7 | 151.7 |

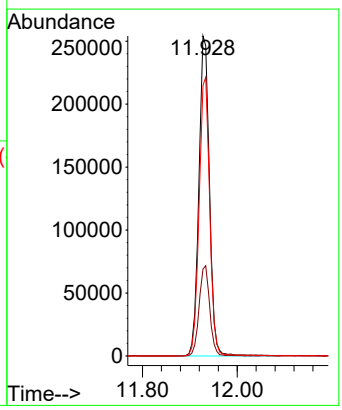


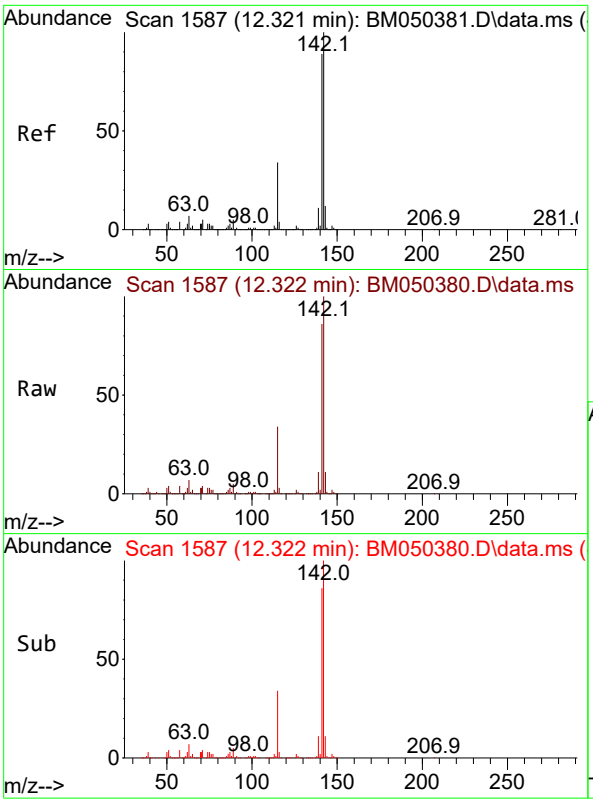




#36
4-Chloro-3-methylphenol
Concen: 19.804 ng
RT: 11.928 min Scan# 1520
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:107 Resp: 393366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 27.2 | 22.2 | 33.4 |
| 142 | 84.5 | 68.7 | 103.1 |



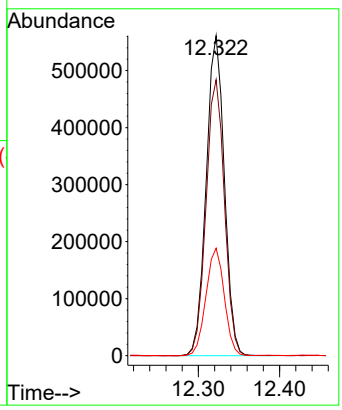


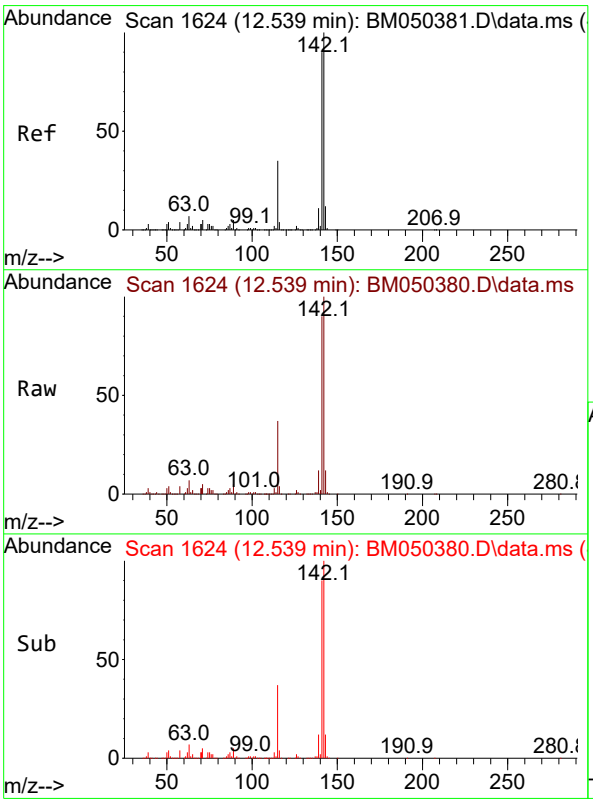

#37
2-Methylnaphthalene
Concen: 19.906 ng
RT: 12.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:142 Resp: 871365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.3 | 70.8 | 106.2 |
| 115 | 33.6 | 27.0 | 40.4 |

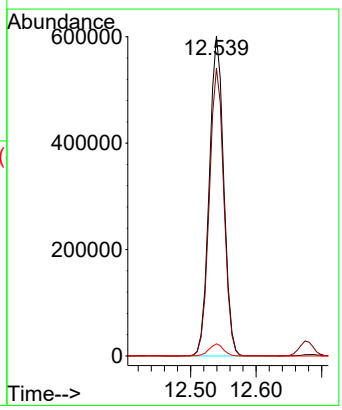


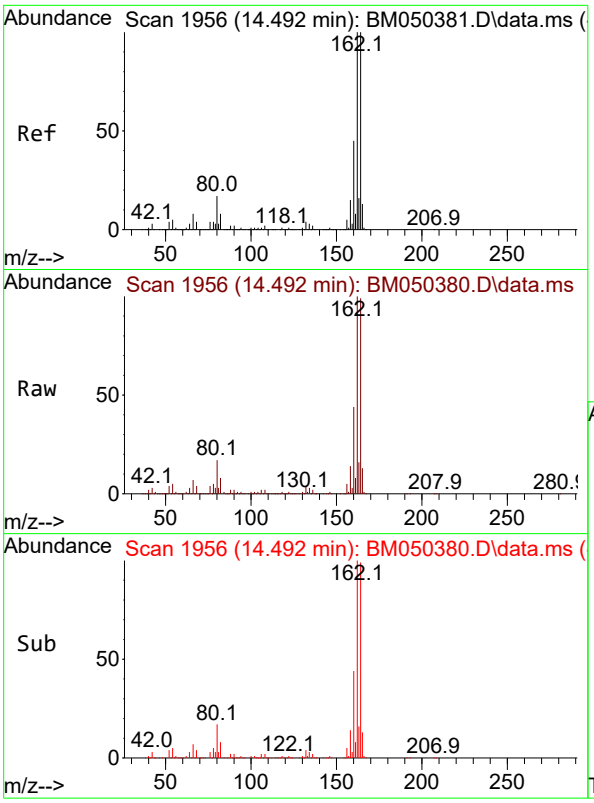




#38
1-Methylnaphthalene
Concen: 19.872 ng
RT: 12.539 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:142 Resp: 920592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.0 | 71.9 | 107.9 |
| 116 | 3.8 | 3.0 | 4.6 |



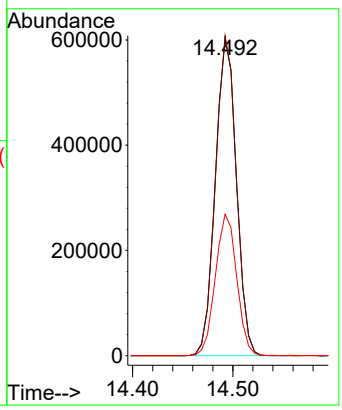


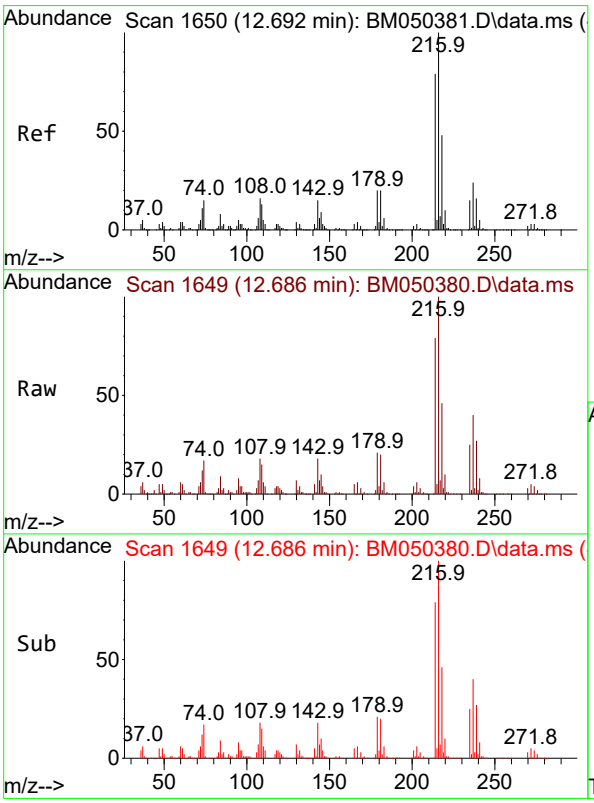

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:164 Resp: 879171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.2 | 79.9 | 119.9 |
| 160 | 44.7 | 36.2 | 54.4 |

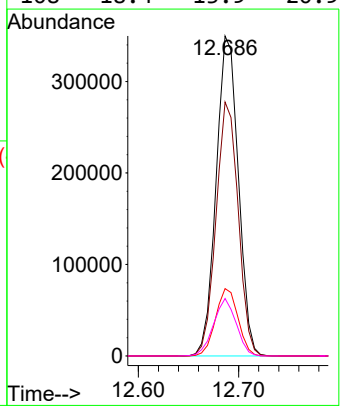


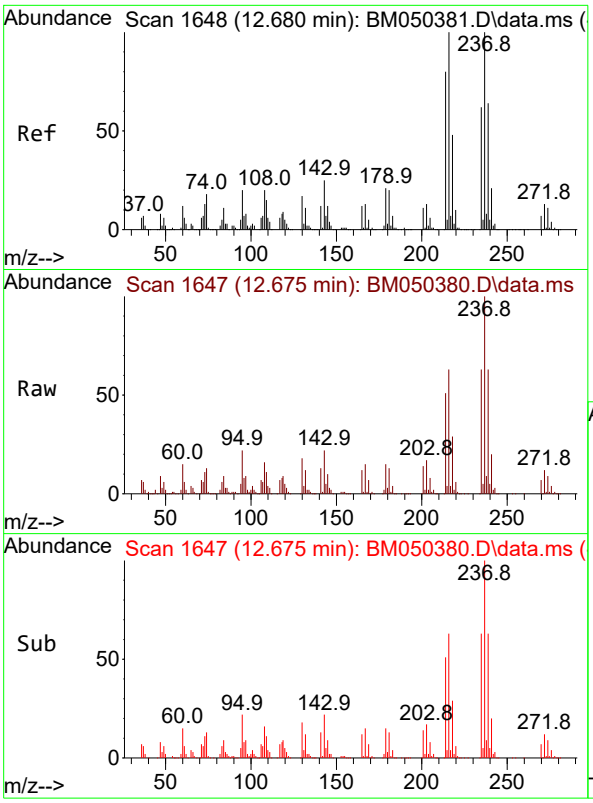




#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.205 ng
RT: 12.686 min Scan# 1649
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:216 Resp: 536934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.1 | 63.3 | 94.9 |
| 179 | 21.3 | 16.4 | 24.6 |
| 108 | 18.4 | 13.9 | 20.9 |



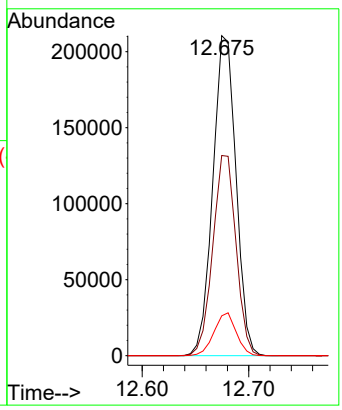


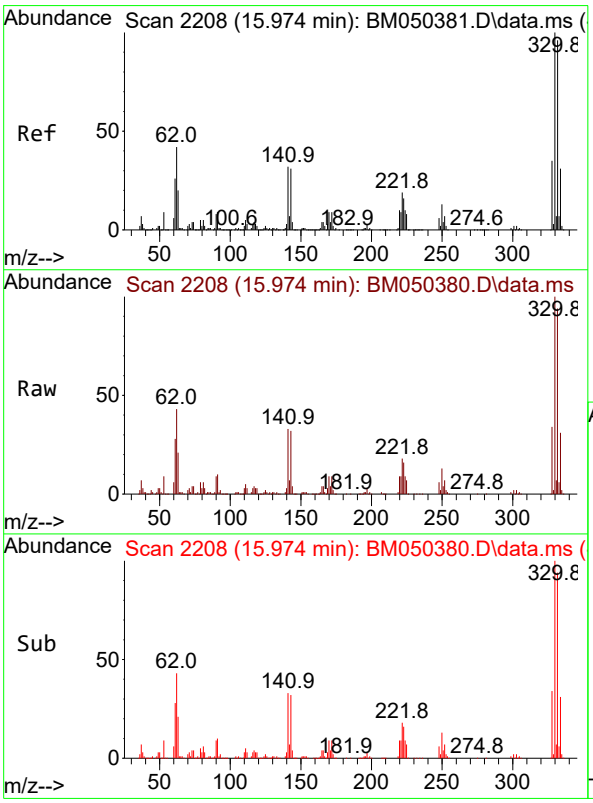

#41
Hexachlorocyclopentadiene
Concen: 17.766 ng
RT: 12.675 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:237 Resp: 317506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.6 | 42.3 | 82.3 |
| 272 | 12.5 | 0.0 | 33.0 |

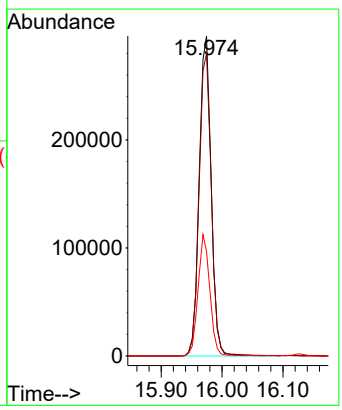


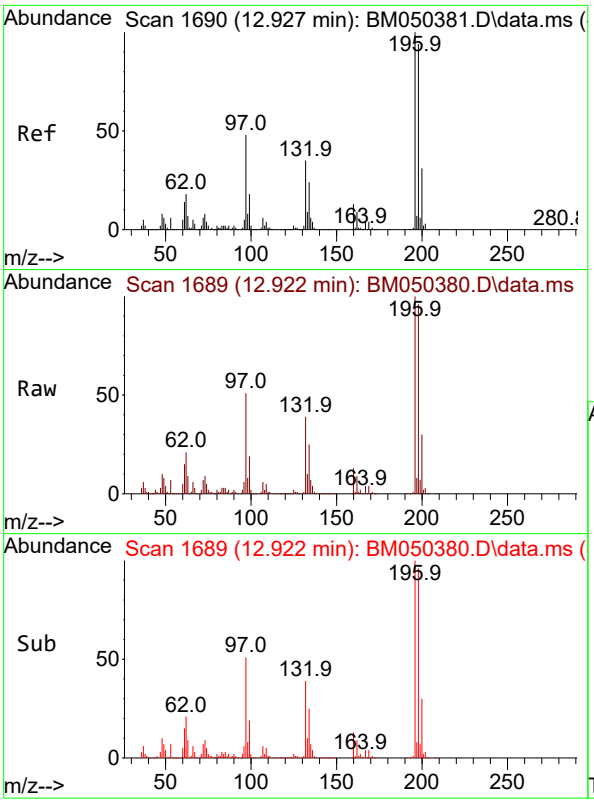




#42
2,4,6-Tribromophenol
Concen: 37.846 ng
RT: 15.974 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:330 Resp: 404270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.8 | 76.9 | 115.3 |
| 141 | 37.3 | 27.4 | 41.0 |



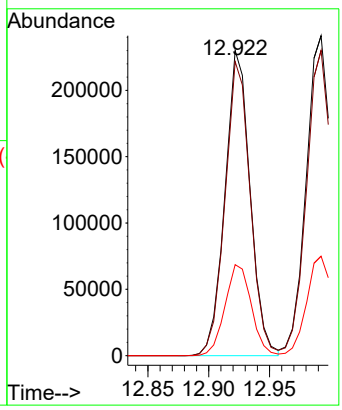


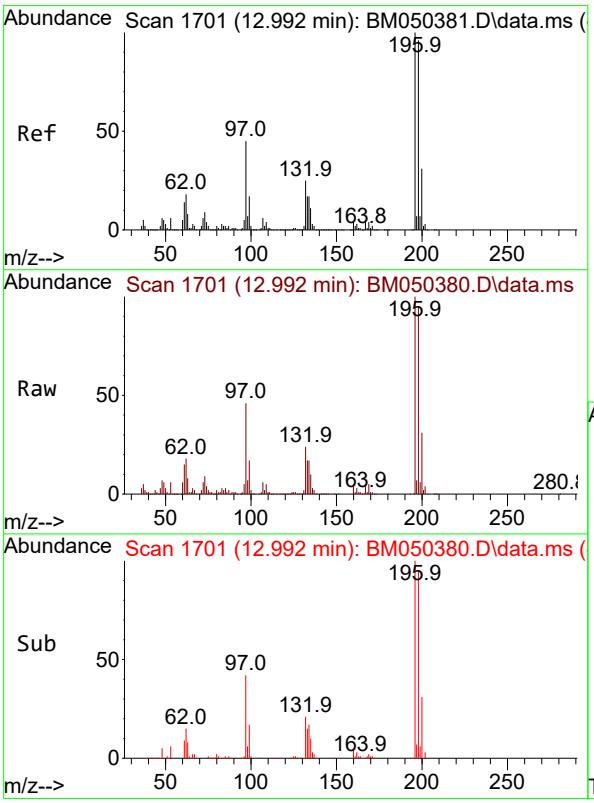

#43
2,4,6-Trichlorophenol
Concen: 19.263 ng
RT: 12.922 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:196 Resp: 331504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.4 | 75.1 | 112.7 |
| 200 | 29.8 | 24.6 | 37.0 |

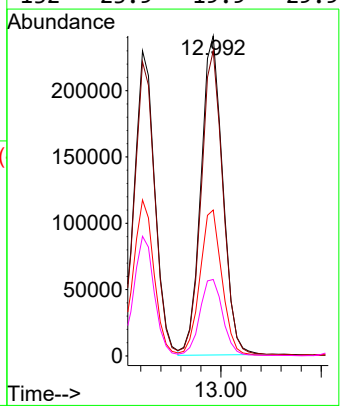


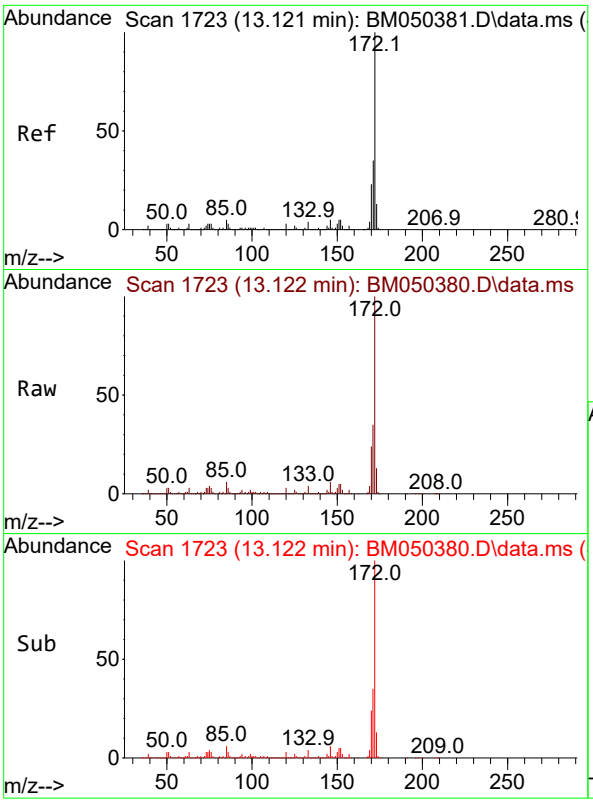




#44
2,4,5-Trichlorophenol
Concen: 19.408 ng
RT: 12.992 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:196 Resp: 364770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.4 | 77.2 | 115.8 |
| 97 | 45.6 | 36.2 | 54.4 |
| 132 | 23.9 | 19.9 | 29.9 |



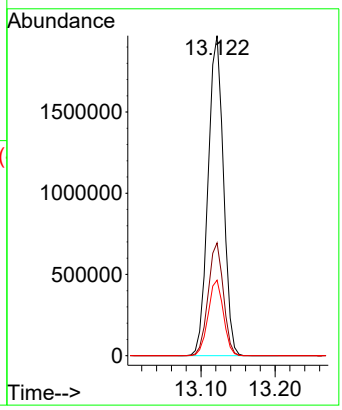


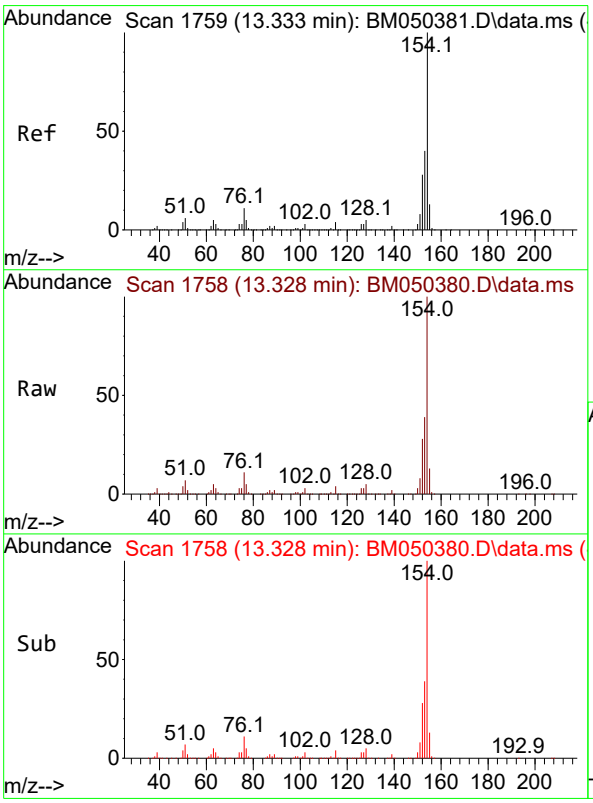

#45
2-Fluorobiphenyl
Concen: 39.780 ng
RT: 13.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:172 Resp: 2831991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 27.7 | 41.5 |
| 170 | 23.6 | 18.8 | 28.2 |

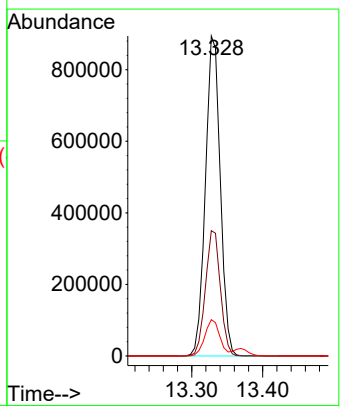


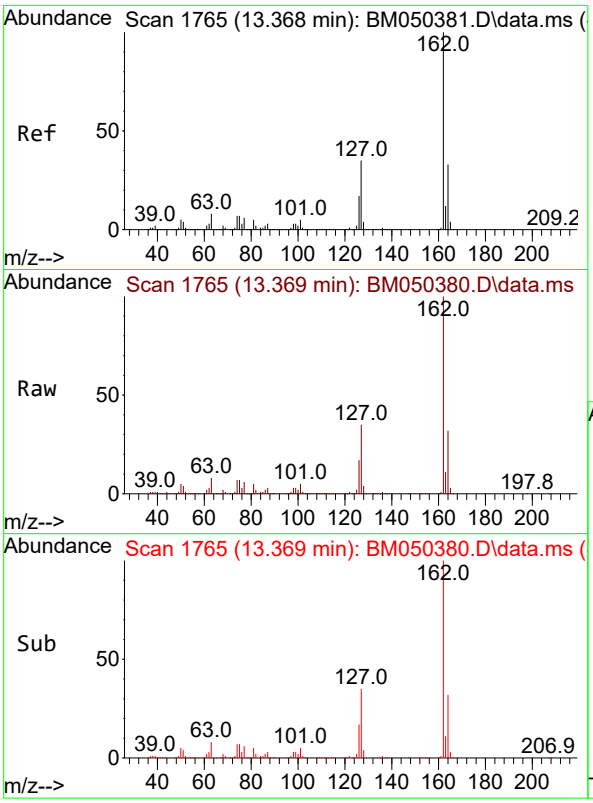




#46
1,1'-Biphenyl
Concen: 19.936 ng
RT: 13.328 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:154 Resp: 1300397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.2 | 19.7 | 59.7 |
| 76 | 11.4 | 0.0 | 30.9 |



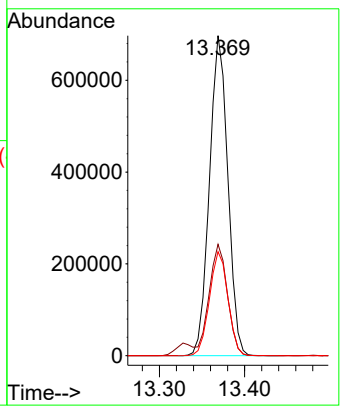


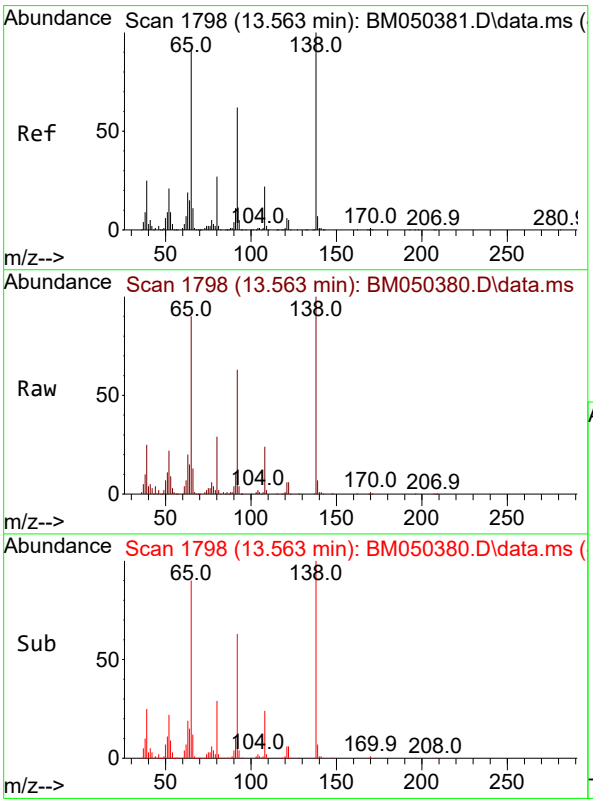

#47
2-Chloronaphthalene
Concen: 20.066 ng
RT: 13.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:162 Resp: 1043593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 34.8 | 28.3 | 42.5 |
| 164 | 32.5 | 26.6 | 40.0 |

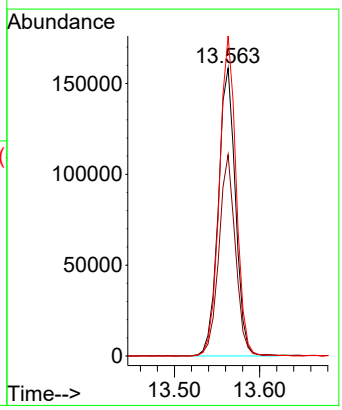


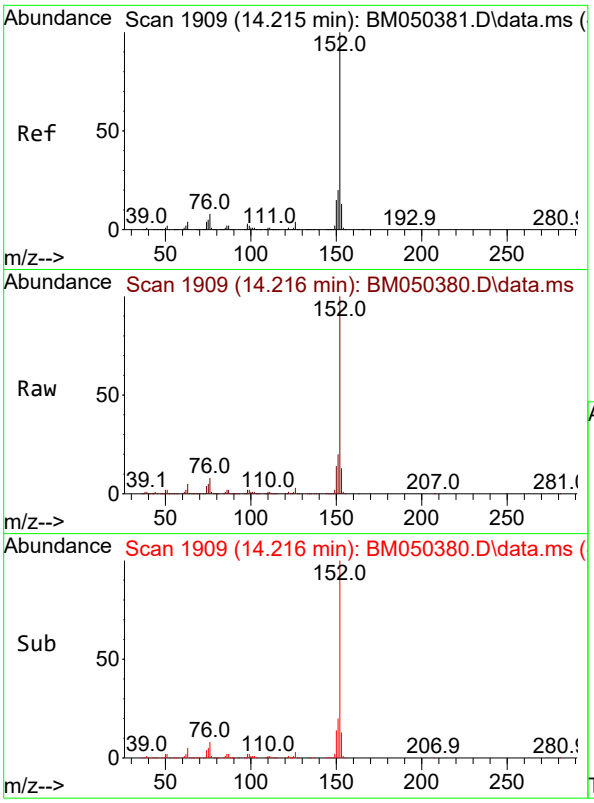




#48
2-Nitroaniline
Concen: 19.132 ng
RT: 13.563 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 65 Resp: 222094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 69.9 | 54.3 | 81.5 |
| 138 | 111.1 | 87.8 | 131.6 |



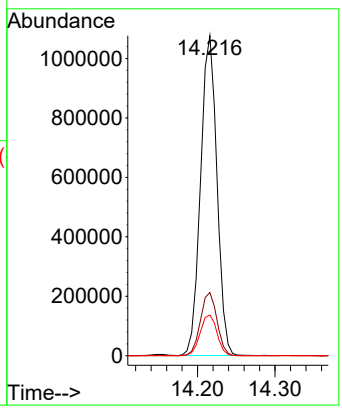


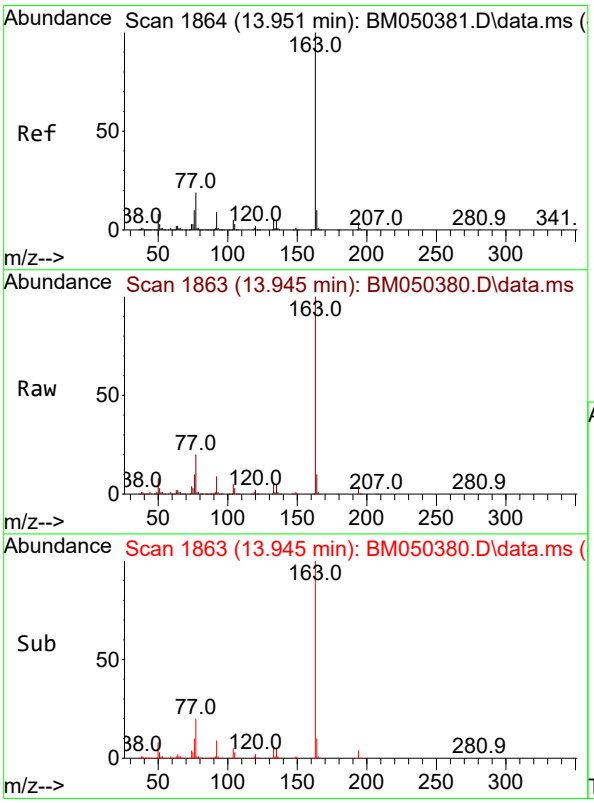

#49
Acenaphthylene
Concen: 20.078 ng
RT: 14.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:152 Resp: 1578057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.7 | 16.3 | 24.5 |
| 153 | 12.7 | 10.6 | 15.8 |

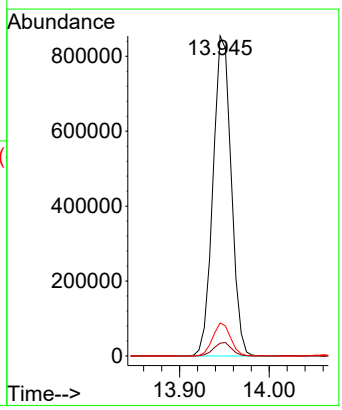


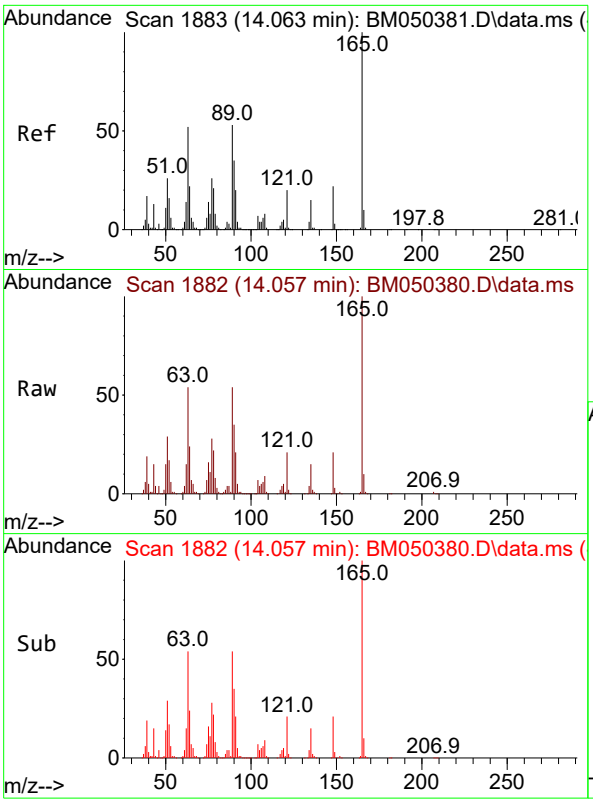




#50
Dimethylphthalate
Concen: 19.873 ng
RT: 13.945 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:163 Resp: 1202901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.4 | 5.2 |
| 164 | 10.3 | 8.2 | 12.2 |



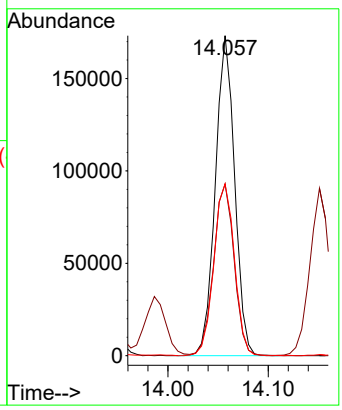


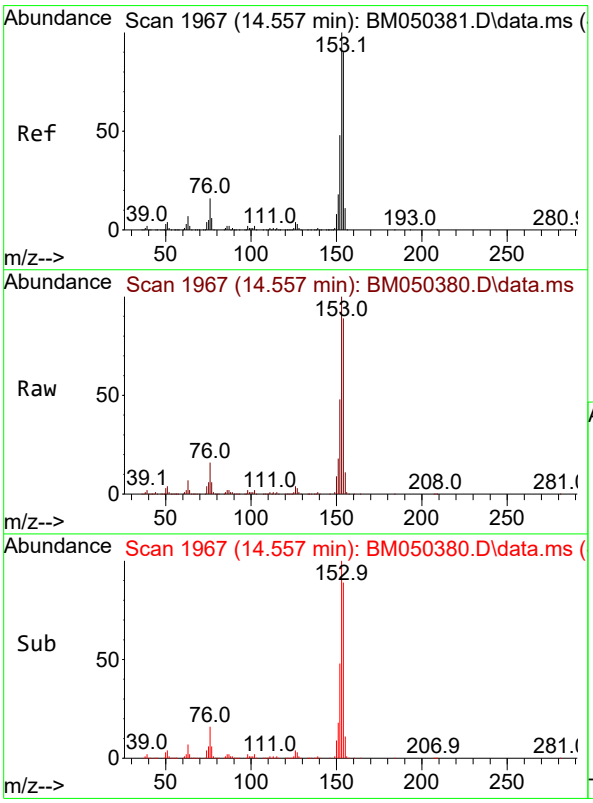

#51
2,6-Dinitrotoluene
Concen: 19.889 ng
RT: 14.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:165 Resp: 231144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.6 | 42.4 | 63.6 |
| 89 | 53.7 | 42.2 | 63.2 |

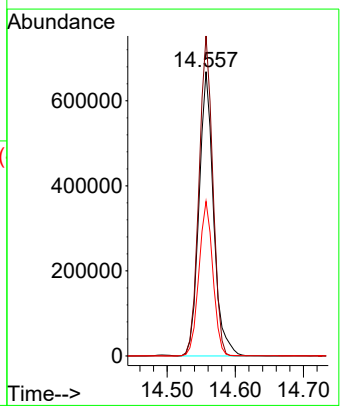


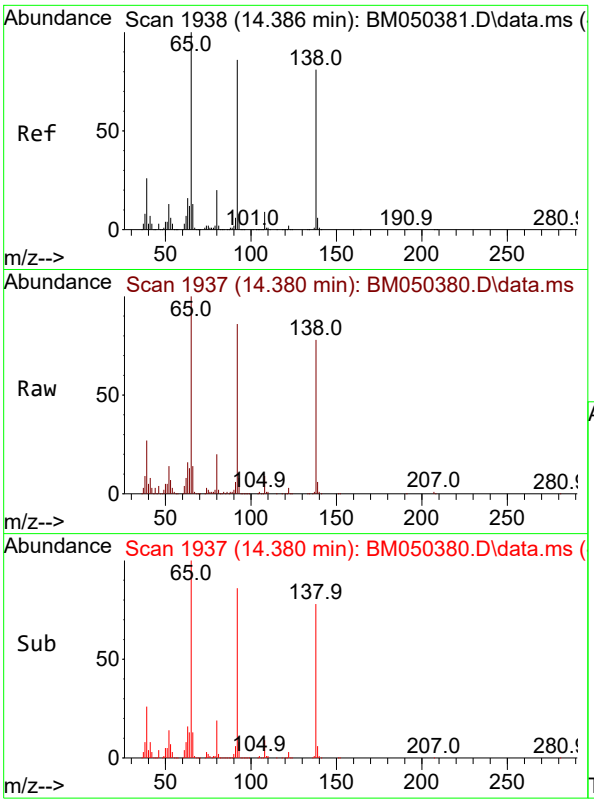




#52
Acenaphthene
Concen: 19.816 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:154 Resp: 990178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.5 | 89.2 | 133.8 |
| 152 | 54.3 | 42.6 | 64.0 |



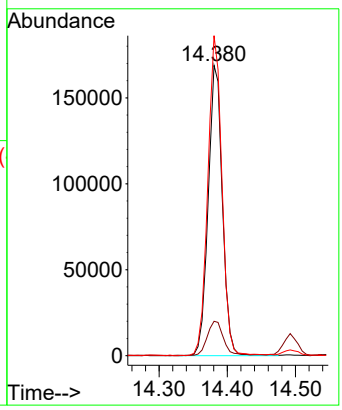


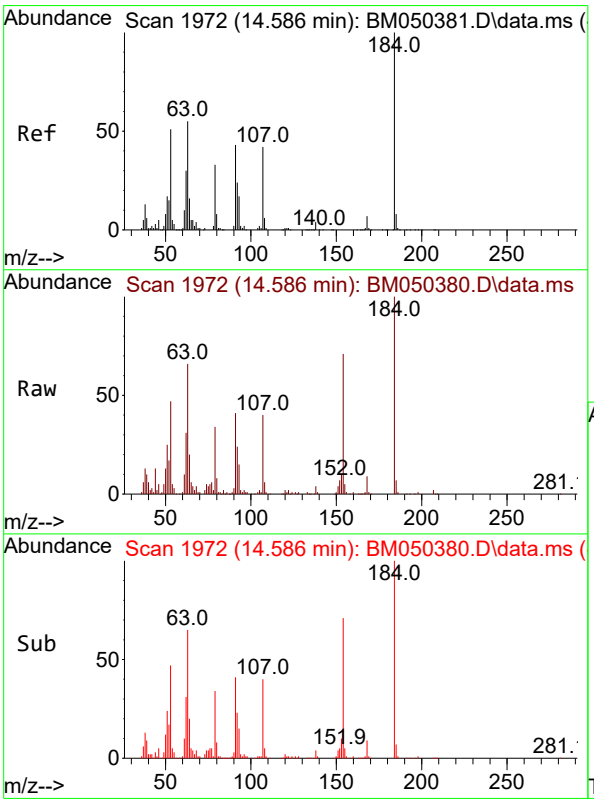

#53
3-Nitroaniline
Concen: 19.779 ng
RT: 14.380 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:138 Resp: 244460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.8 | 8.8 | 13.2 |
| 92 | 110.3 | 85.0 | 127.6 |

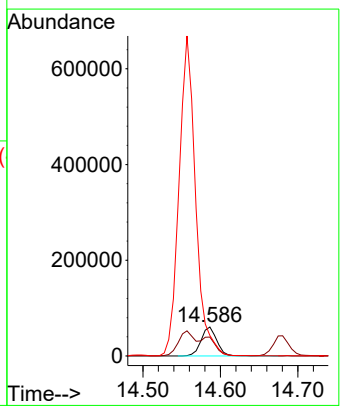


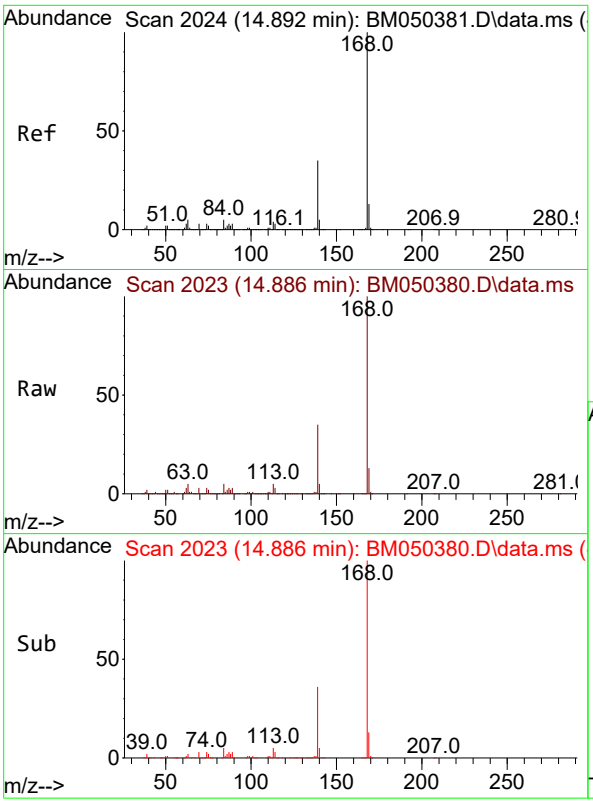




#54
2,4-Dinitrophenol
Concen: 18.641 ng
RT: 14.586 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:184 Resp: 85284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 65.5 | 53.4 | 80.0 |
| 154 | 71.0 | 61.6 | 92.4 |



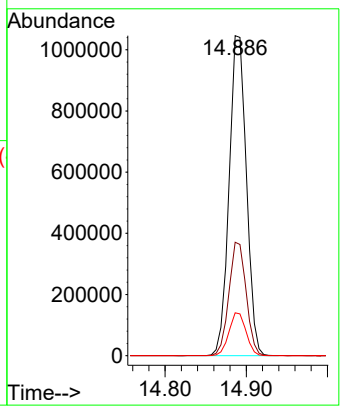


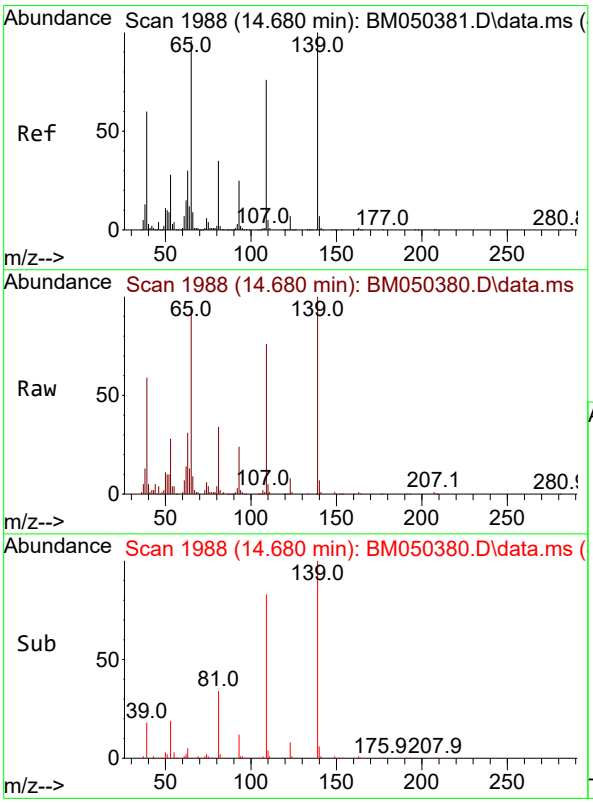

#55
Dibenzofuran
Concen: 20.048 ng
RT: 14.886 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:168 Resp: 1543545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 35.5 | 27.7 | 41.5 |
| 169 | 13.4 | 10.7 | 16.1 |

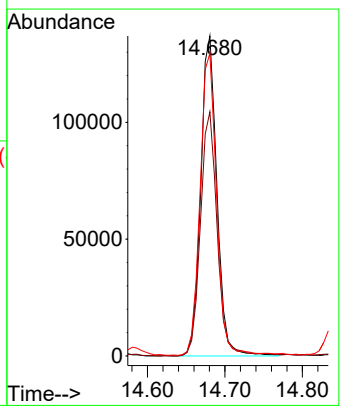


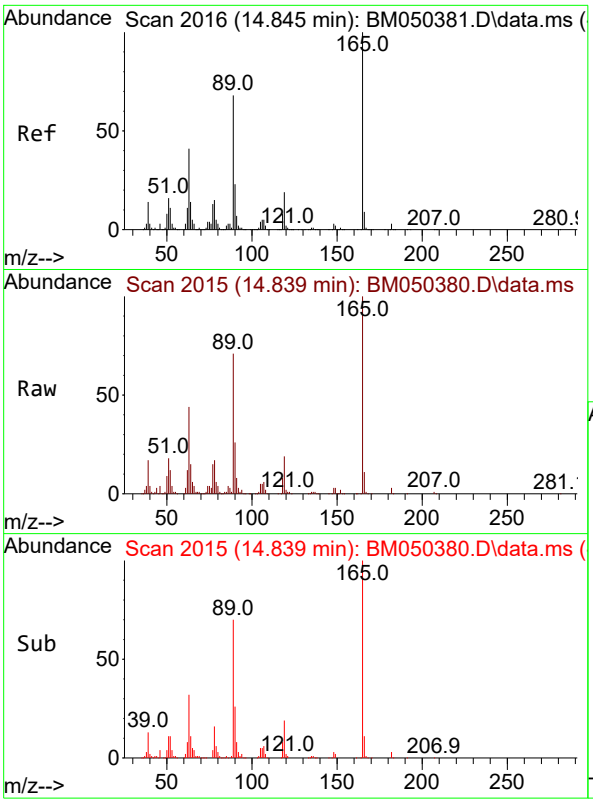




#56
4-Nitrophenol
Concen: 18.644 ng
RT: 14.680 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:139 Resp: 198160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 76.3 | 56.5 | 96.5 |
| 65 | 94.6 | 76.4 | 116.4 |



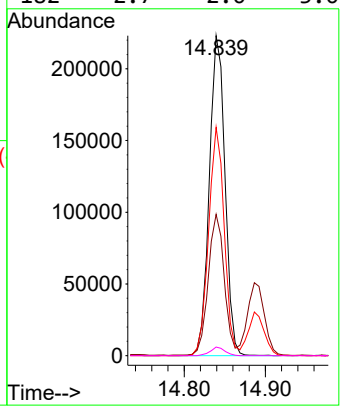


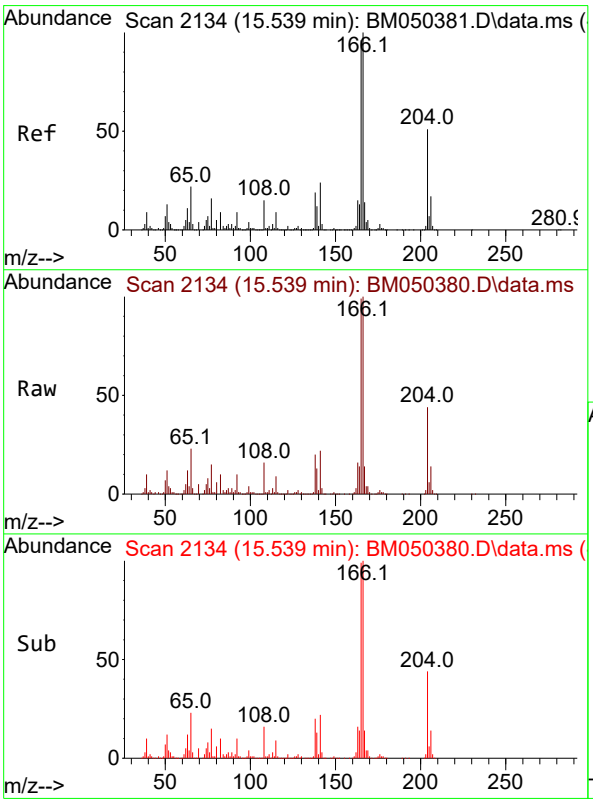

#57
2,4-Dinitrotoluene
Concen: 18.935 ng
RT: 14.839 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:165 Resp: 299004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 44.1 | 32.5 | 48.7 |
| 89 | 71.4 | 54.0 | 81.0 |
| 182 | 2.7 | 2.0 | 3.0 |

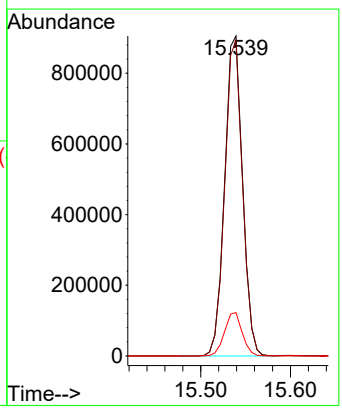


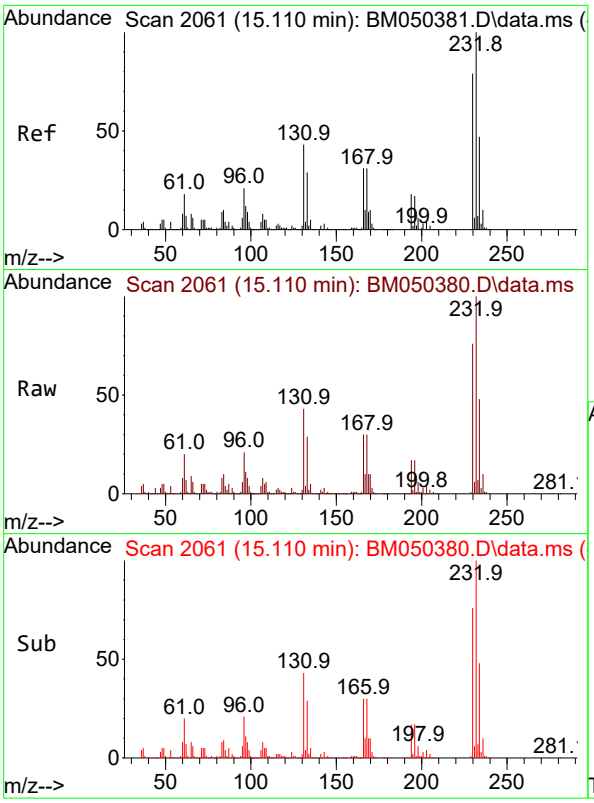




#58
Fluorene
Concen: 19.803 ng
RT: 15.539 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:166 Resp: 1255879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.6 | 77.0 | 115.6 |
| 167 | 13.6 | 10.9 | 16.3 |



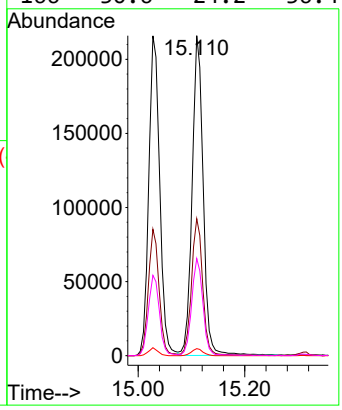


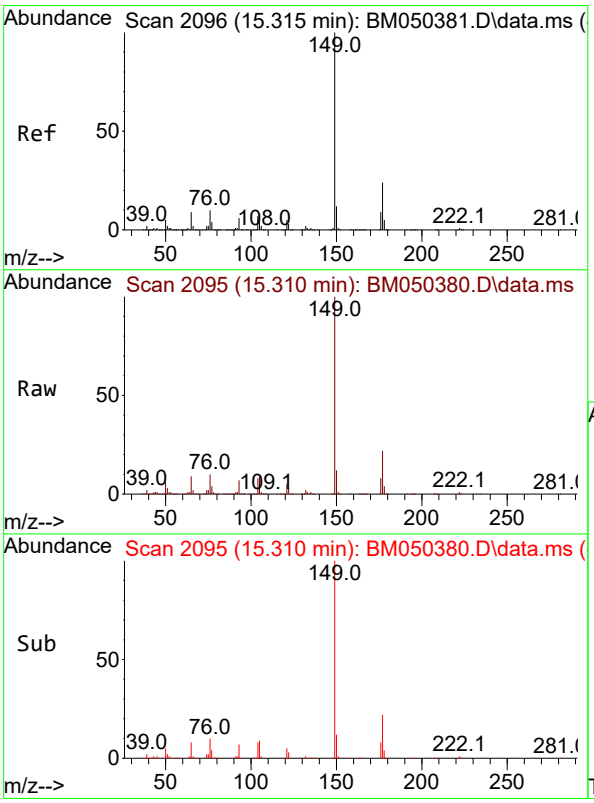

#59
2,3,4,6-Tetrachlorophenol
Concen: 19.733 ng
RT: 15.110 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:232 Resp: 312205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 42.7 | 33.4 | 50.0 |
| 130 | 2.3 | 1.8 | 2.6 |
| 166 | 30.6 | 24.2 | 36.4 |

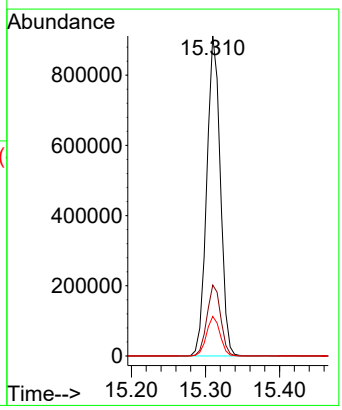


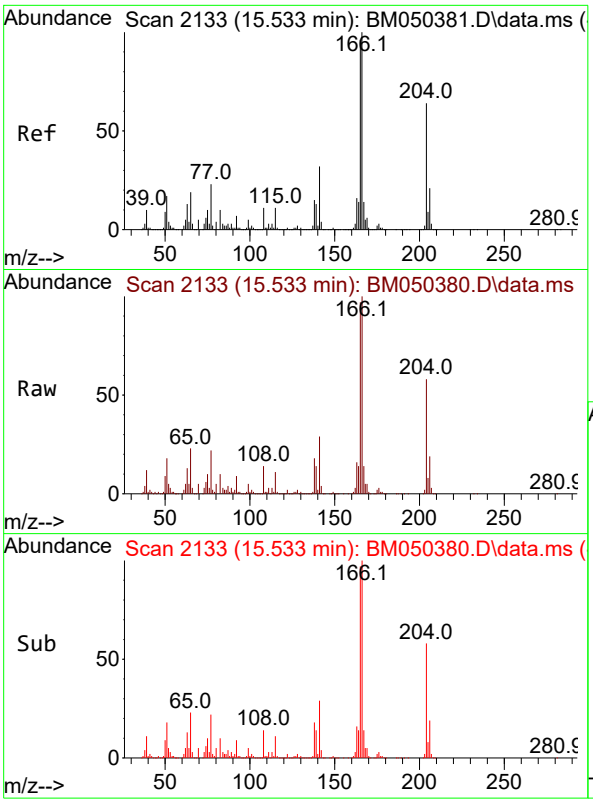




#60
Diethylphthalate
Concen: 20.055 ng
RT: 15.310 min Scan# 2095
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:149 Resp: 1159537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.2 | 18.8 | 28.2 |
| 150 | 12.4 | 9.8 | 14.8 |



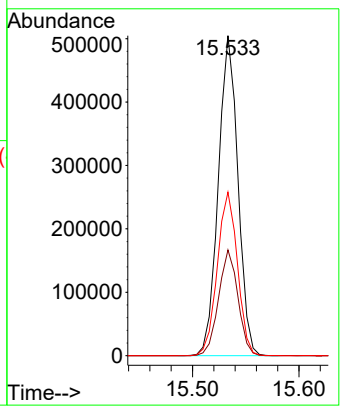


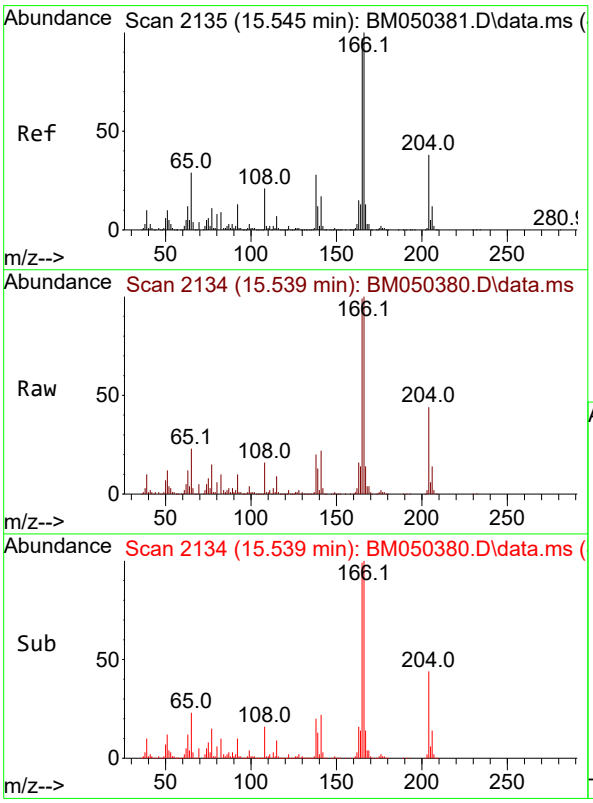

#61
4-Chlorophenyl-phenylether
Concen: 19.428 ng
RT: 15.533 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:204 Resp: 644238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.1 | 26.6 | 39.8 |
| 141 | 51.1 | 39.9 | 59.9 |

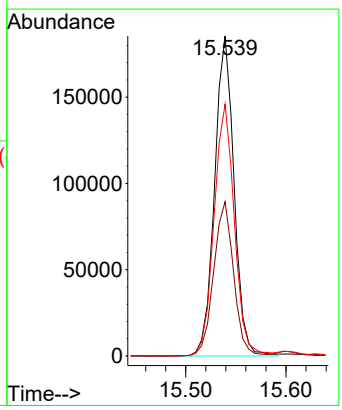


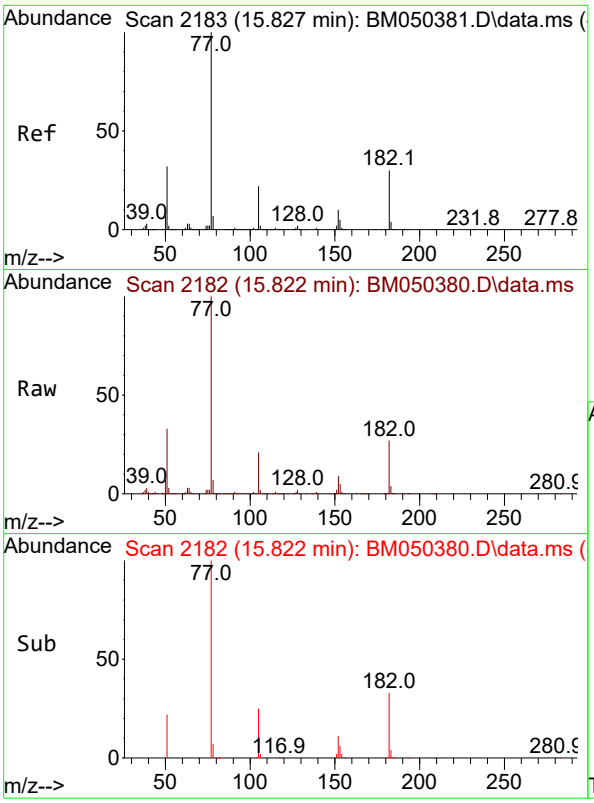




#62
4-Nitroaniline
Concen: 19.209 ng
RT: 15.539 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:138 Resp: 249635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 48.2 | 24.5 | 64.5 |
| 108 | 78.7 | 52.5 | 92.5 |



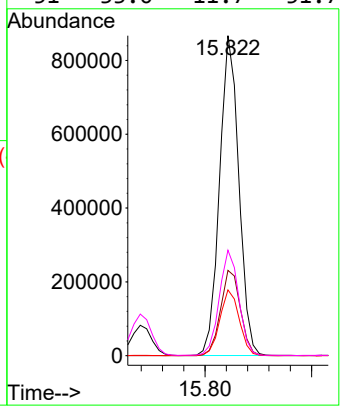


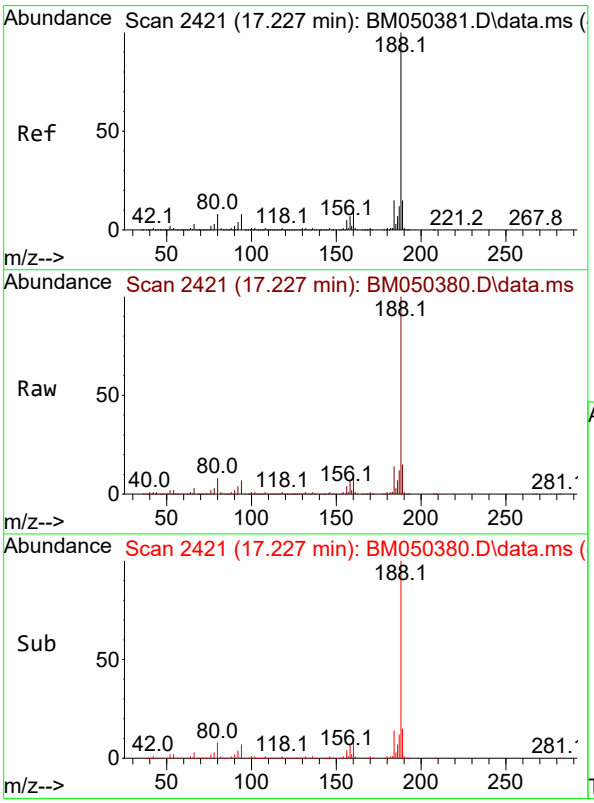

#63
Azobenzene
Concen: 20.436 ng
RT: 15.822 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion: 77 Resp: 1085005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.7 | 10.0 | 50.0 |
| 105 | 20.6 | 2.0 | 42.0 |
| 51 | 33.0 | 11.7 | 51.7 |

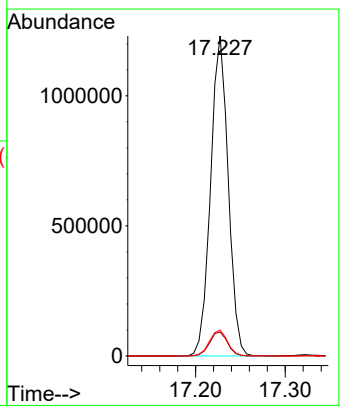


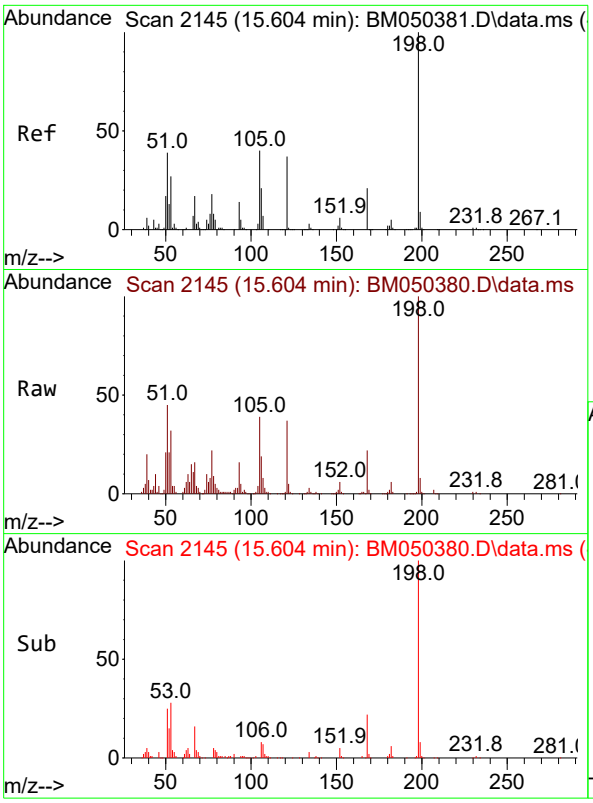




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:188 Resp: 1676151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.5 | 6.0 | 9.0 |
| 80 | 8.1 | 6.5 | 9.7 |



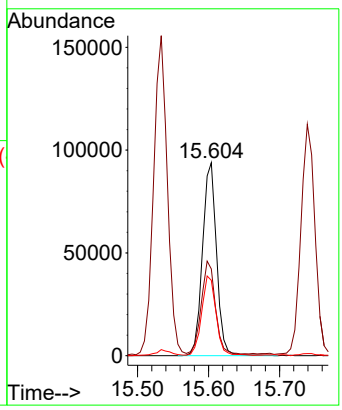


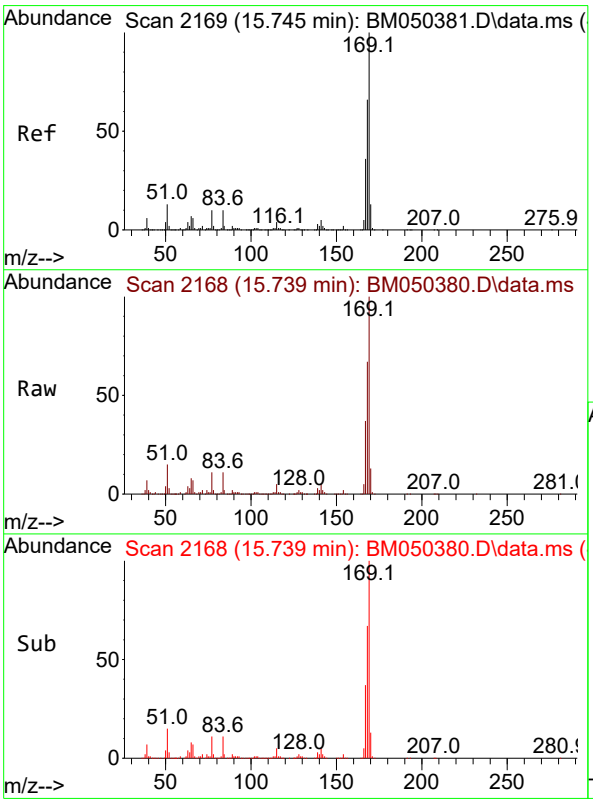

#65
4,6-Dinitro-2-methylphenol
Concen: 18.758 ng
RT: 15.604 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:198 Resp: 129223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 44.9 | 26.6 | 66.6 |
| 105 | 39.1 | 20.9 | 60.9 |

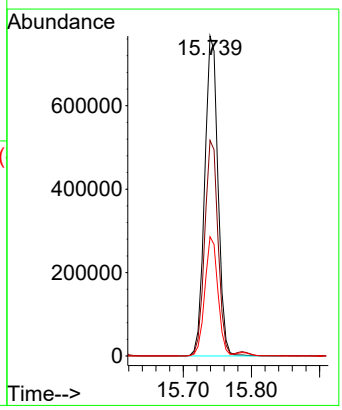


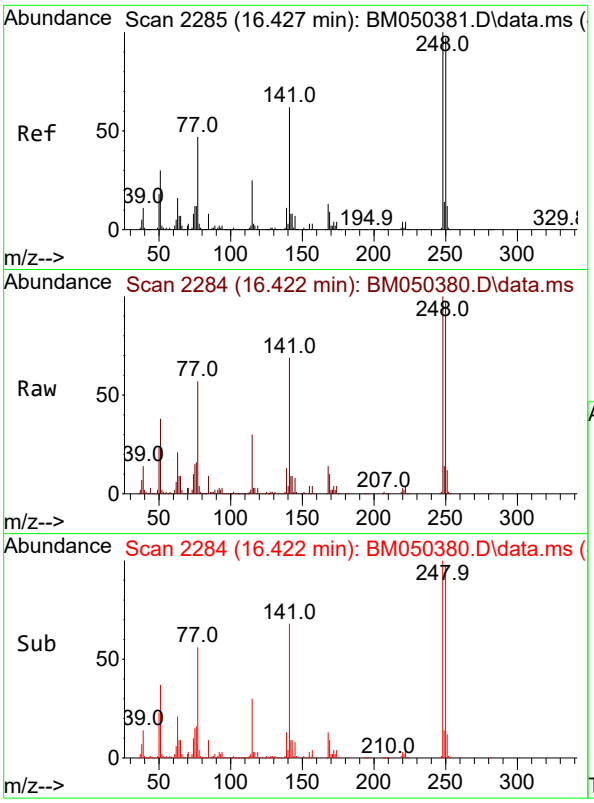




#66
n-Nitrosodiphenylamine
Concen: 19.819 ng
RT: 15.739 min Scan# 2168
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:169 Resp: 1039509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.4 | 53.2 | 79.8 |
| 167 | 37.3 | 28.7 | 43.1 |



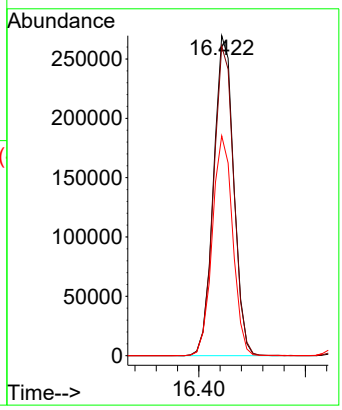


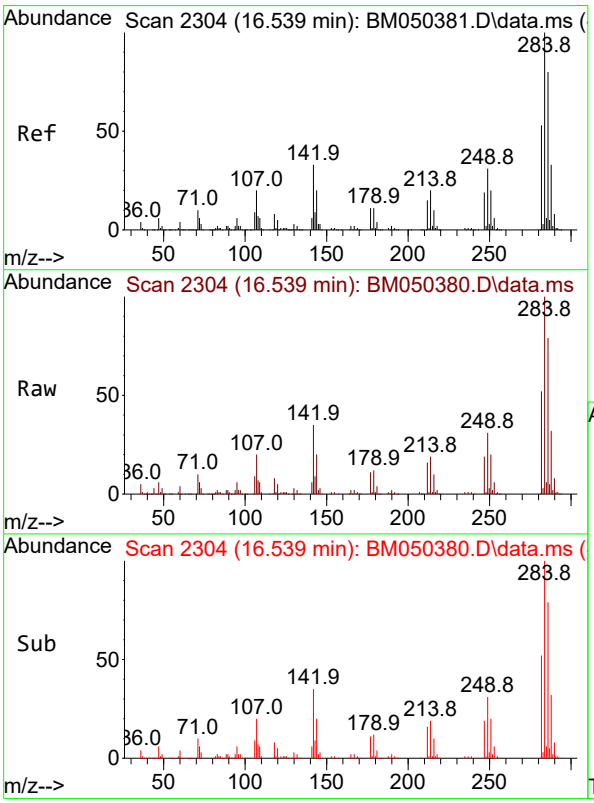

#67
4-Bromophenyl-phenylether
Concen: 19.130 ng
RT: 16.422 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:248 Resp: 353272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.7 | 77.9 | 116.9 |
| 141 | 68.7 | 49.7 | 74.5 |

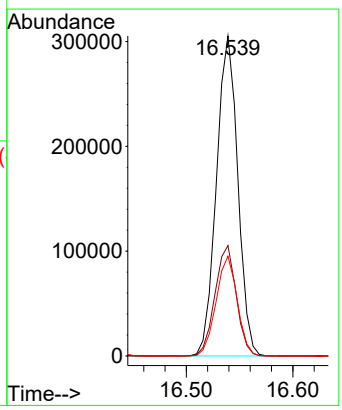


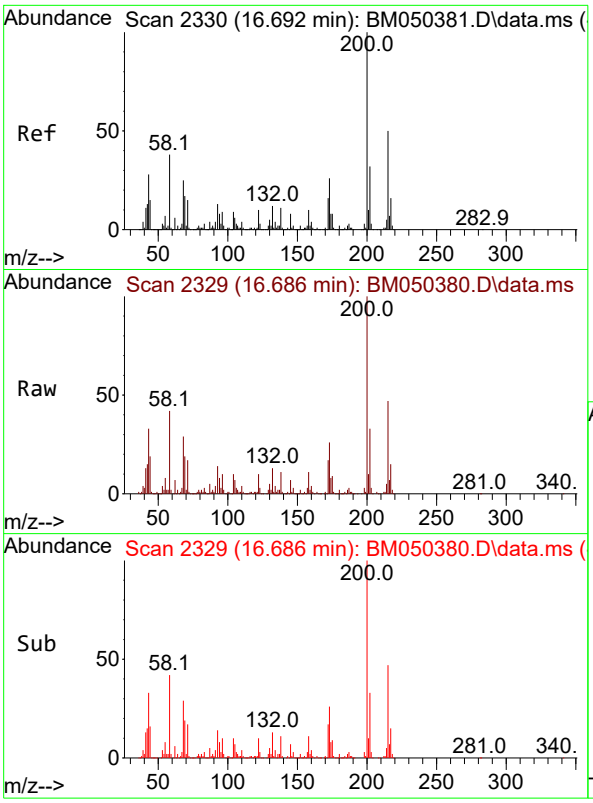




#68
Hexachlorobenzene
Concen: 19.444 ng
RT: 16.539 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:284 Resp: 424108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.5 | 26.8 | 40.2 |
| 249 | 31.2 | 24.5 | 36.7 |



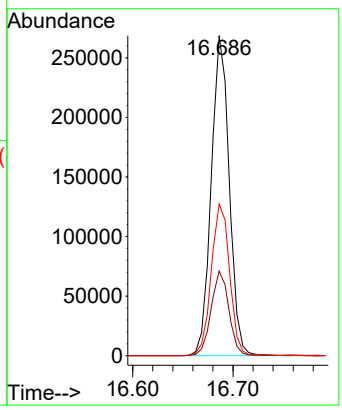


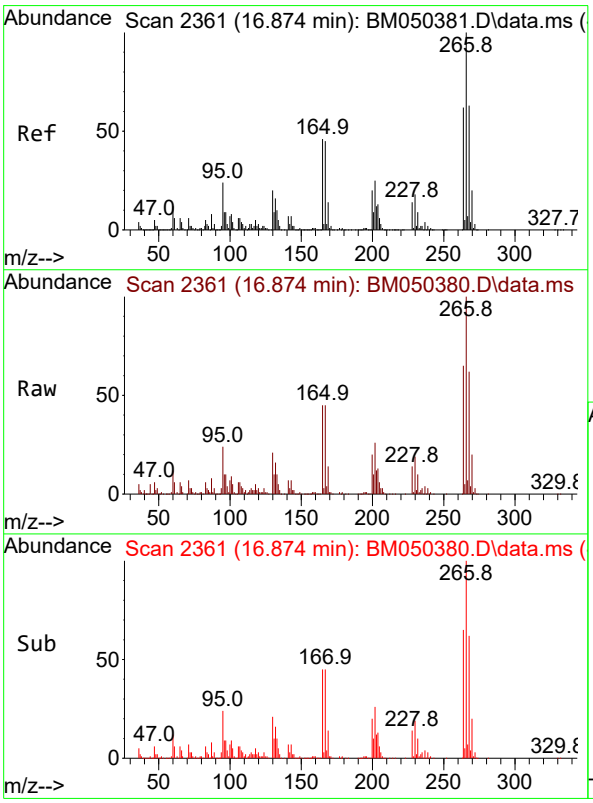

#69
Atrazine
Concen: 19.373 ng
RT: 16.686 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:200 Resp: 333655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.4 | 5.6 | 45.6 |
| 215 | 47.4 | 29.6 | 69.6 |

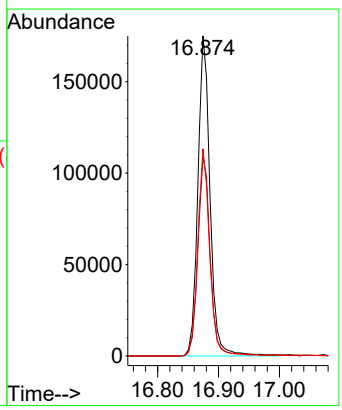


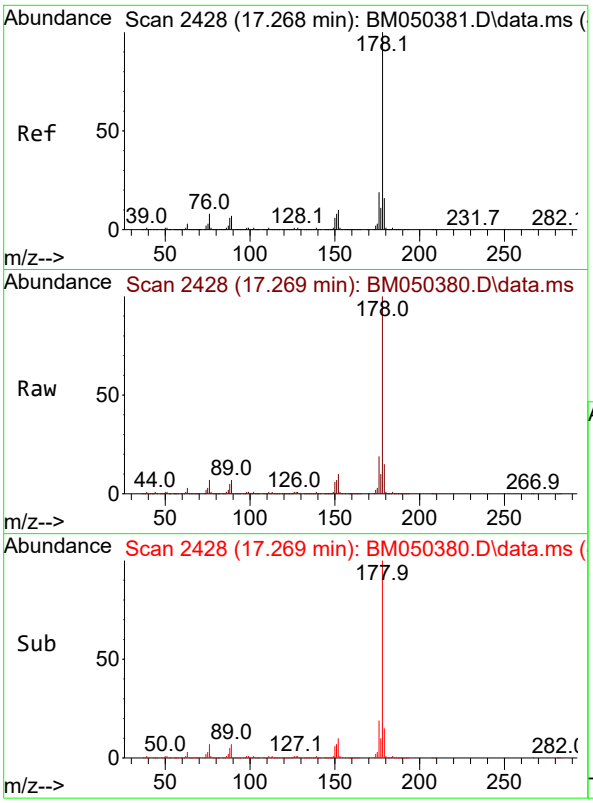




#70
Pentachlorophenol
Concen: 17.920 ng
RT: 16.874 min Scan# 2361
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:266 Resp: 243316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.1 | 50.5 | 75.7 |
| 264 | 64.8 | 49.9 | 74.9 |



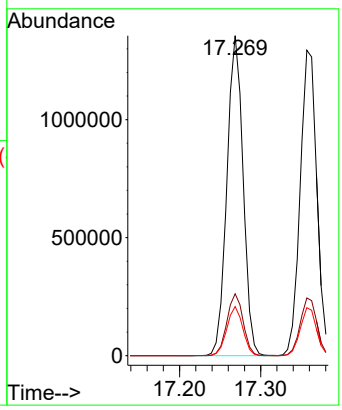


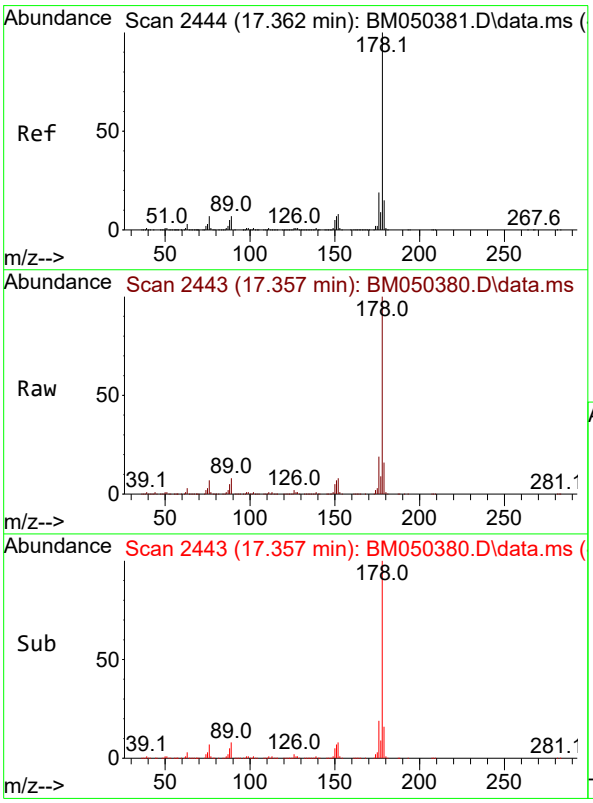

#71
Phenanthrene
Concen: 19.784 ng
RT: 17.269 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:178 Resp: 1876408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.4 | 23.0 |
| 179 | 15.4 | 12.5 | 18.7 |

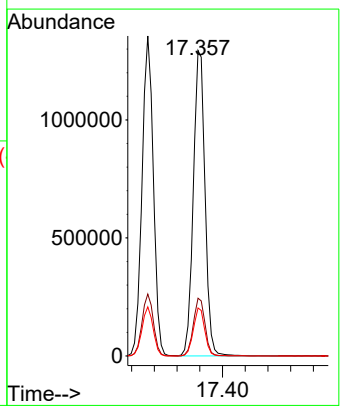


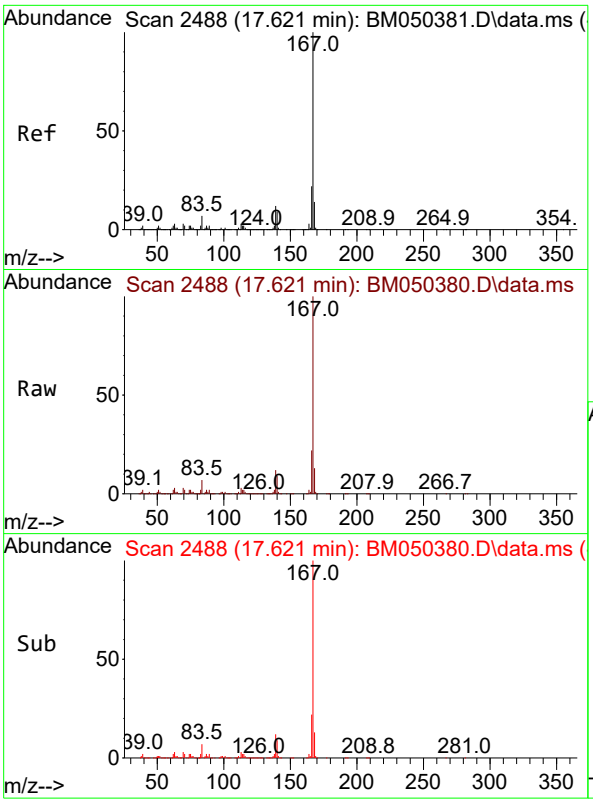




#72
Anthracene
Concen: 19.694 ng
RT: 17.357 min Scan# 2443
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:178 Resp: 1859273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 14.9 | 22.3 |
| 179 | 15.7 | 12.2 | 18.4 |



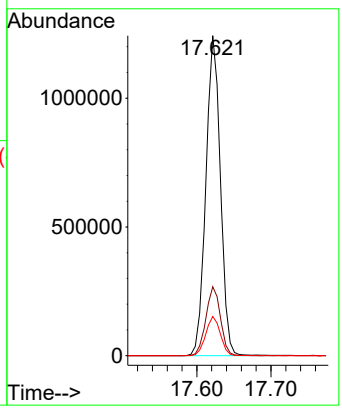


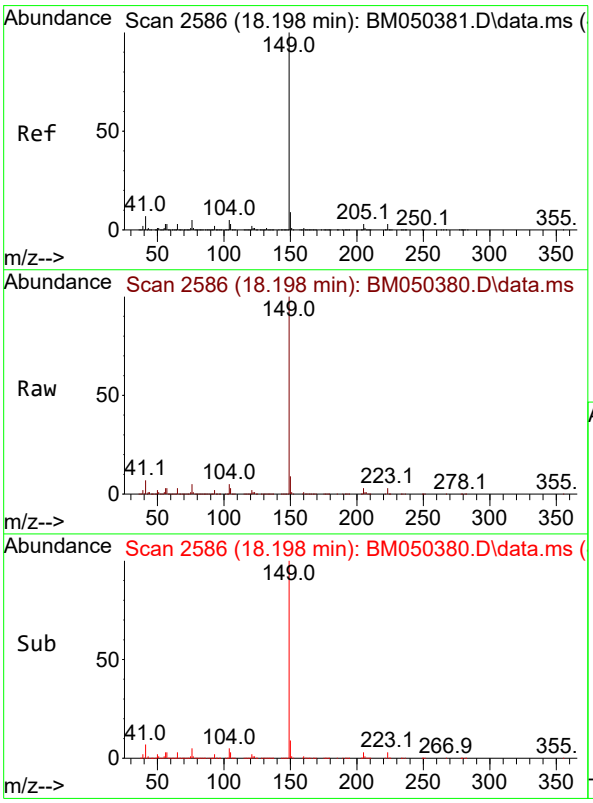

#73
Carbazole
Concen: 19.801 ng
RT: 17.621 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:167 Resp: 1691521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.2 | 25.8 |
| 139 | 12.2 | 9.9 | 14.9 |

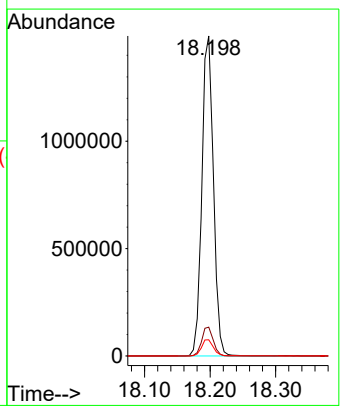


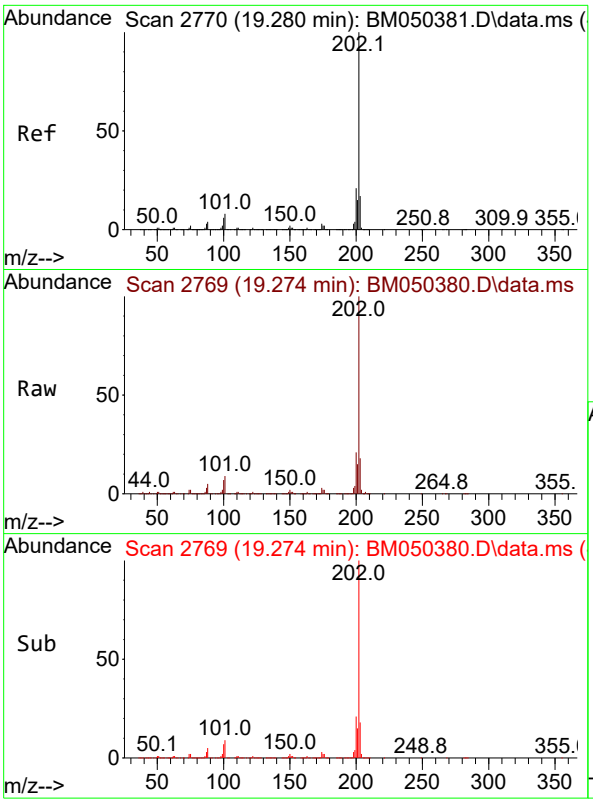




#74
Di-n-butylphthalate
Concen: 19.566 ng
RT: 18.198 min Scan# 2586
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:149 Resp: 1829412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.3 | 10.9 |
| 104 | 5.0 | 3.9 | 5.9 |



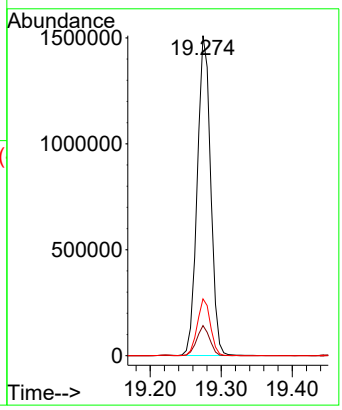


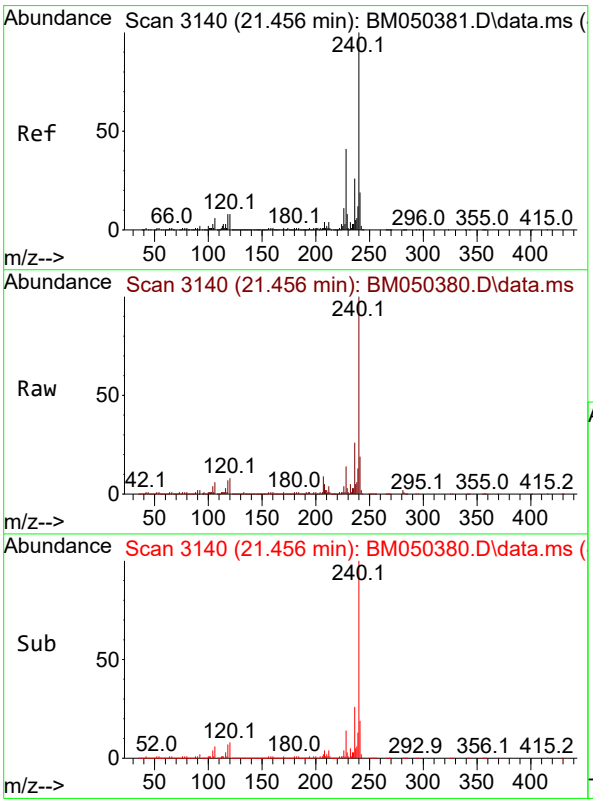

#75
Fluoranthene
Concen: 19.212 ng
RT: 19.274 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:202 Resp: 1980887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.4 | 0.0 | 28.3 |
| 203 | 17.8 | 0.0 | 37.2 |

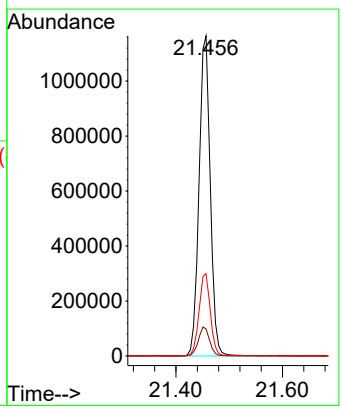


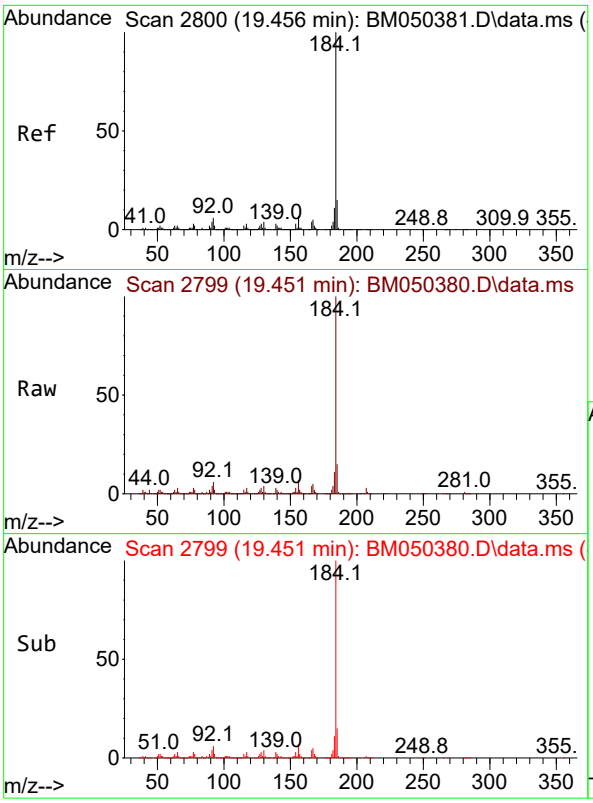




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:240 Resp: 1698030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.4 | 6.7 | 10.1 |
| 236 | 25.7 | 20.7 | 31.1 |



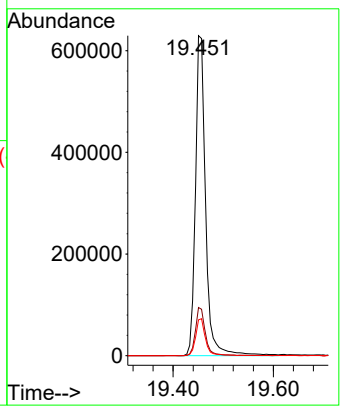


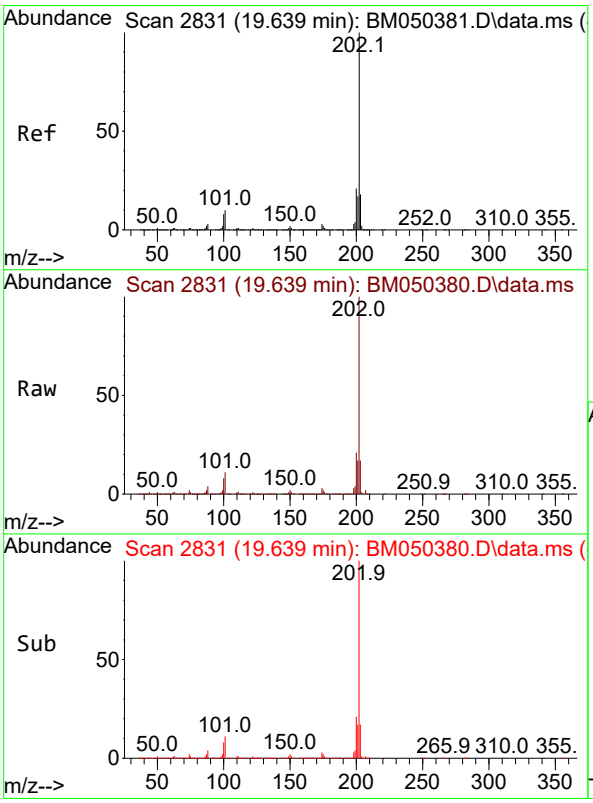

#77
Benzidine
Concen: 20.422 ng
RT: 19.451 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:184 Resp: 884477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.0 | 11.7 | 17.5 |
| 183 | 11.2 | 9.0 | 13.6 |

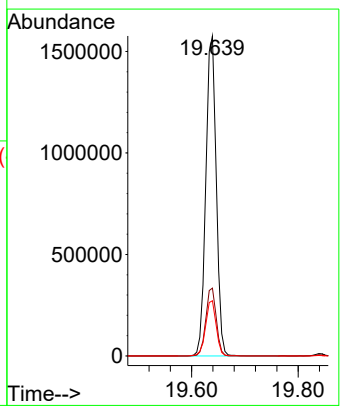


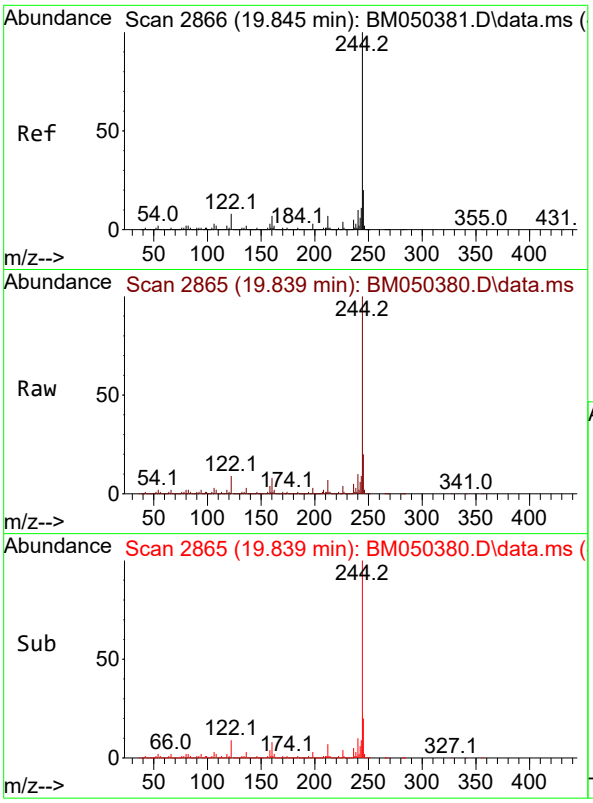




#78
Pyrene
Concen: 19.679 ng
RT: 19.639 min Scan# 2831
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:202 Resp: 2140070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 16.9 | 25.3 |
| 203 | 17.2 | 14.1 | 21.1 |



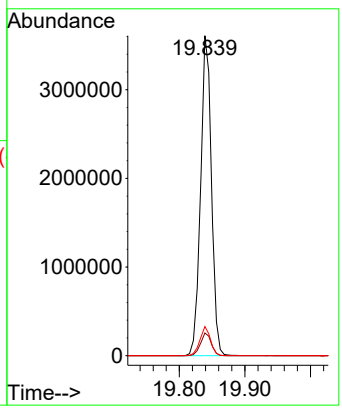


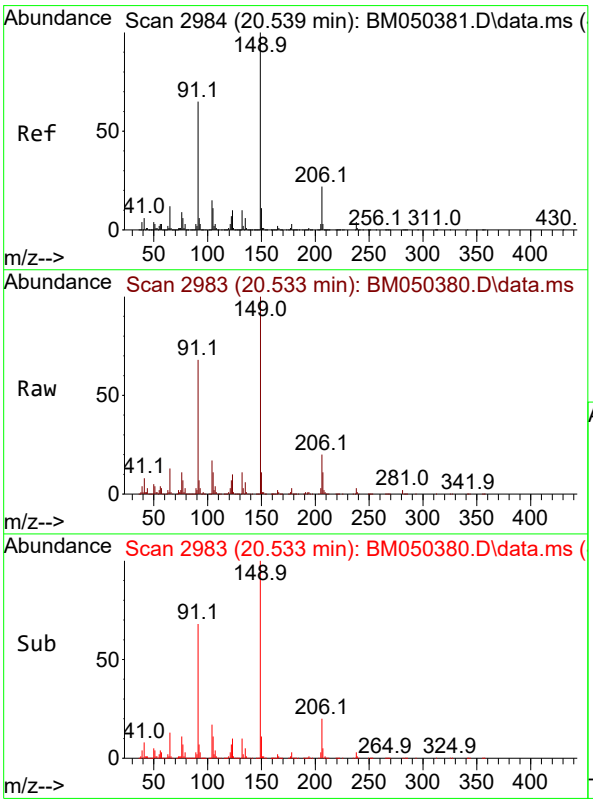

#79
Terphenyl-d14
Concen: 43.104 ng
RT: 19.839 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:244 Resp: 4159871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.7 | 8.5 |
| 122 | 9.1 | 6.2 | 9.2 |

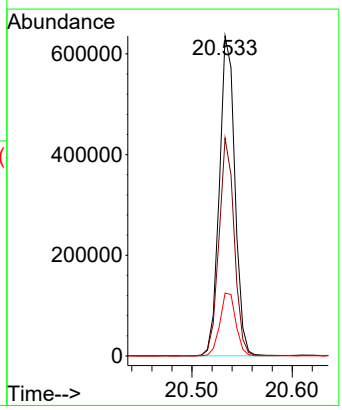


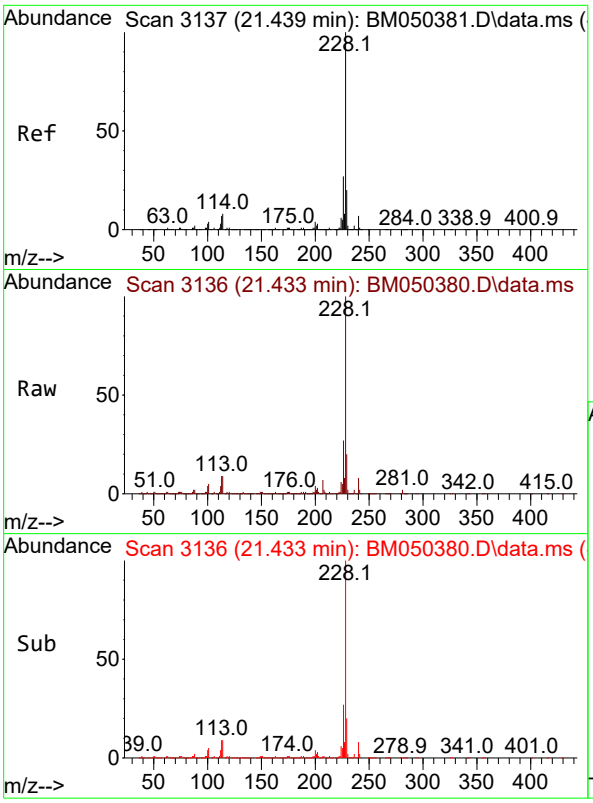




#80
Butylbenzylphthalate
Concen: 19.009 ng
RT: 20.533 min Scan# 2983
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:149 Resp: 681649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 68.1 | 51.6 | 77.4 |
| 206 | 19.7 | 17.8 | 26.8 |



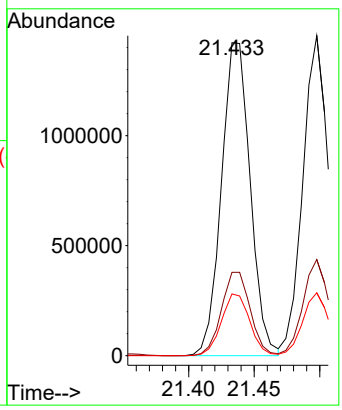


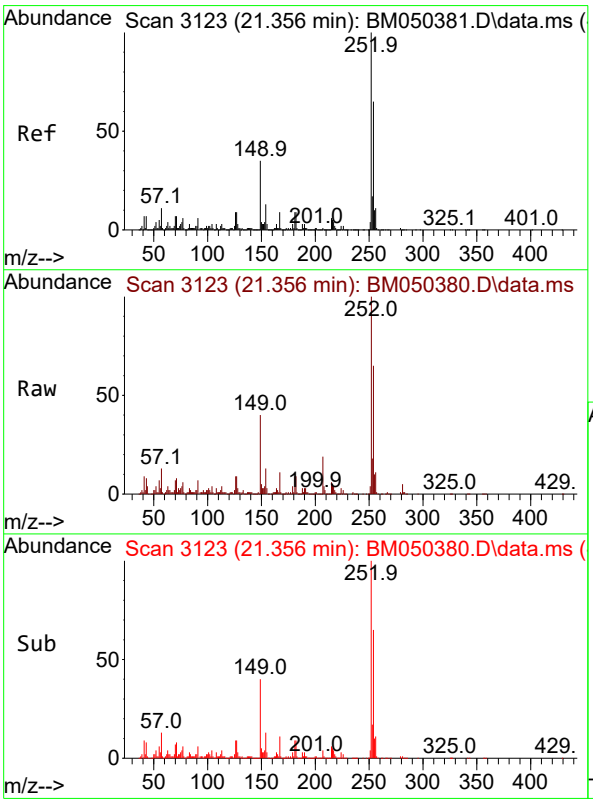

#81
Benzo(a)anthracene
Concen: 19.676 ng
RT: 21.433 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:228 Resp: 2176940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.6 | 21.8 | 32.8 |
| 229 | 19.7 | 16.0 | 24.0 |

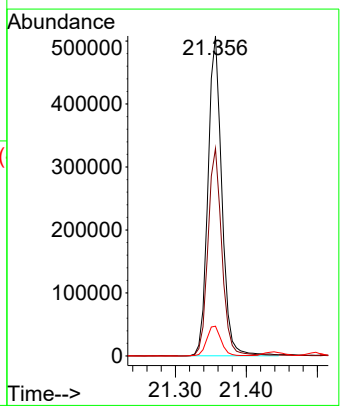


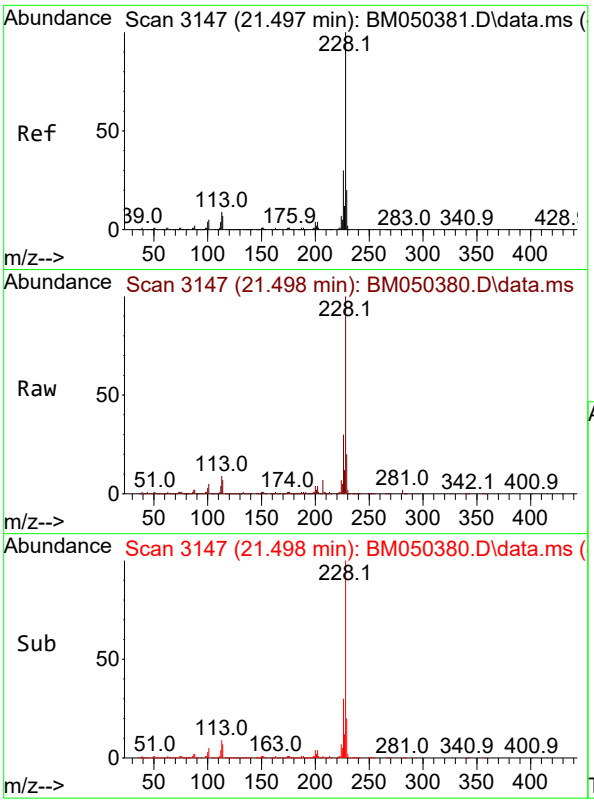




#82
3,3'-Dichlorobenzidine
Concen: 18.471 ng
RT: 21.356 min Scan# 3123
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:252 Resp: 689176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.8 | 51.7 | 77.5 |
| 126 | 9.3 | 7.3 | 10.9 |



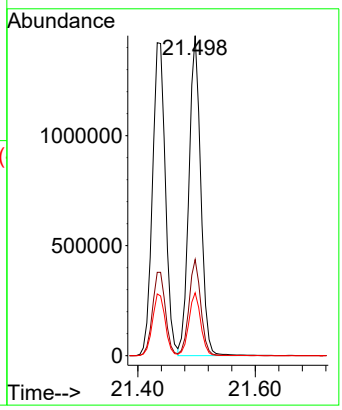


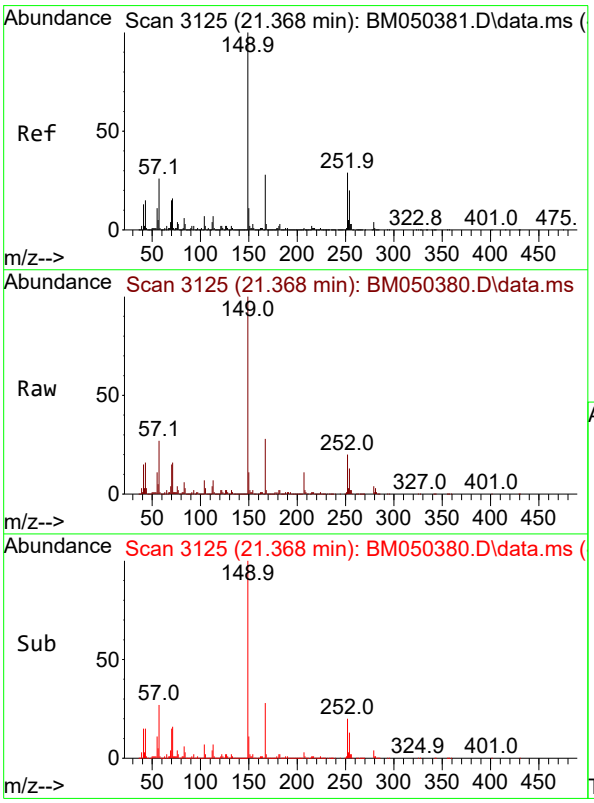

#83
Chrysene
Concen: 19.529 ng
RT: 21.498 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:228 Resp: 2037978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.0 | 24.2 | 36.4 |
| 229 | 19.6 | 15.8 | 23.6 |

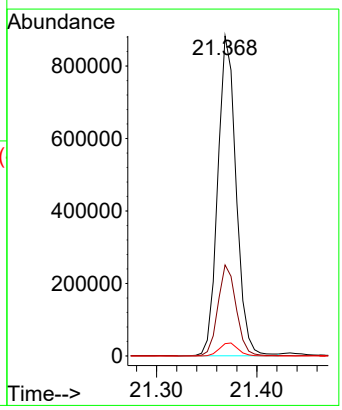


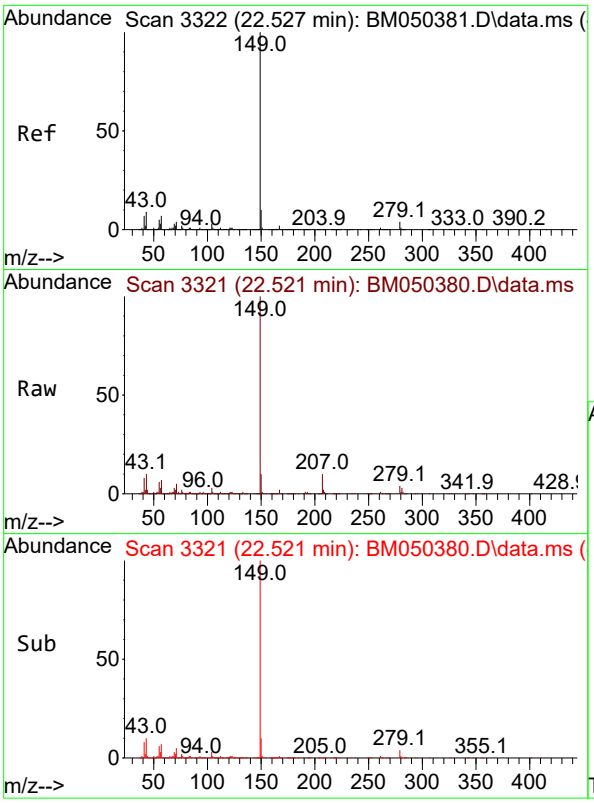




#84
Bis(2-ethylhexyl)phthalate
Concen: 19.638 ng
RT: 21.368 min Scan# 3125
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:149 Resp: 1117874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.5 | 22.7 | 34.1 |
| 279 | 3.9 | 3.5 | 5.3 |



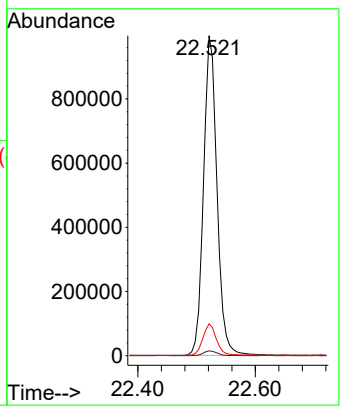


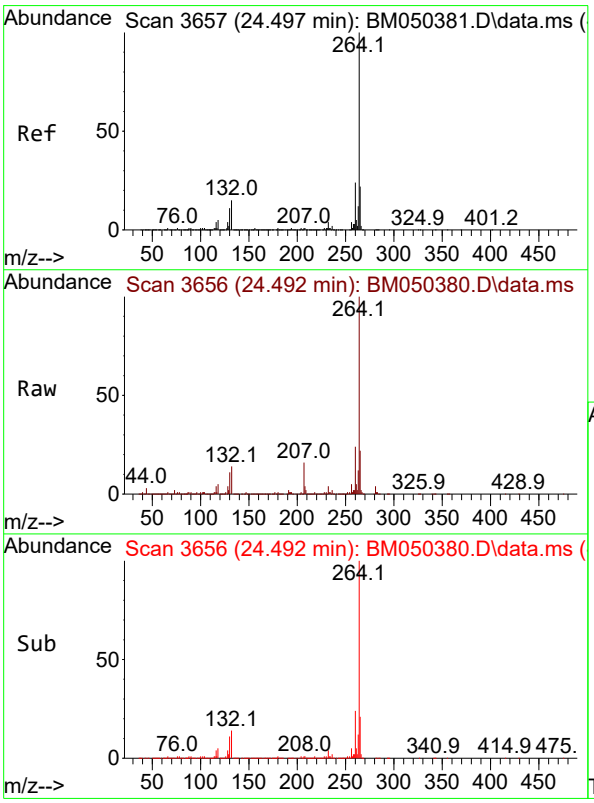

#85
Di-n-octyl phthalate
Concen: 17.729 ng
RT: 22.521 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:149 Resp: 1580618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 10.1 | 7.7 | 11.5 |

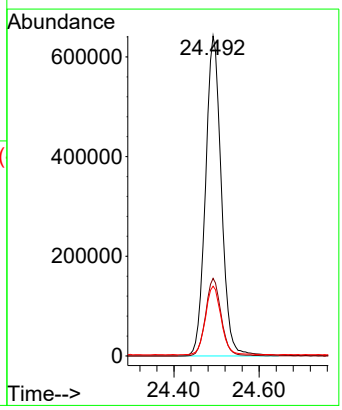


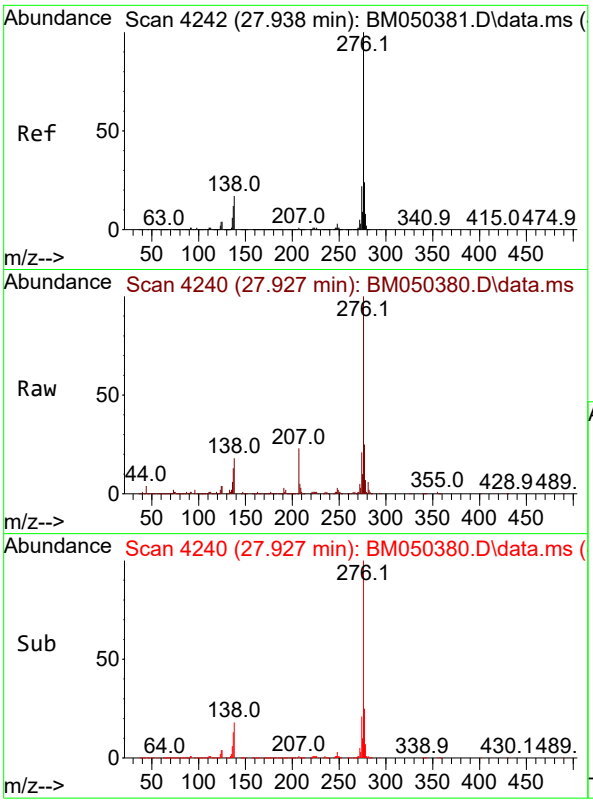




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.492 min Scan# 3656
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:264 Resp: 1655344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.3 | 19.2 | 28.8 |
| 265 | 21.8 | 17.8 | 26.6 |



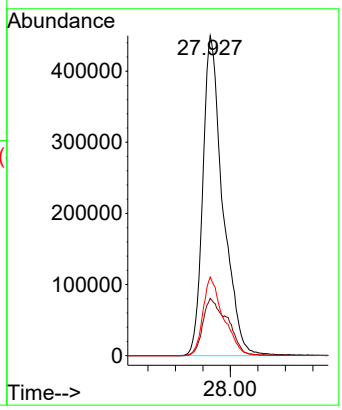


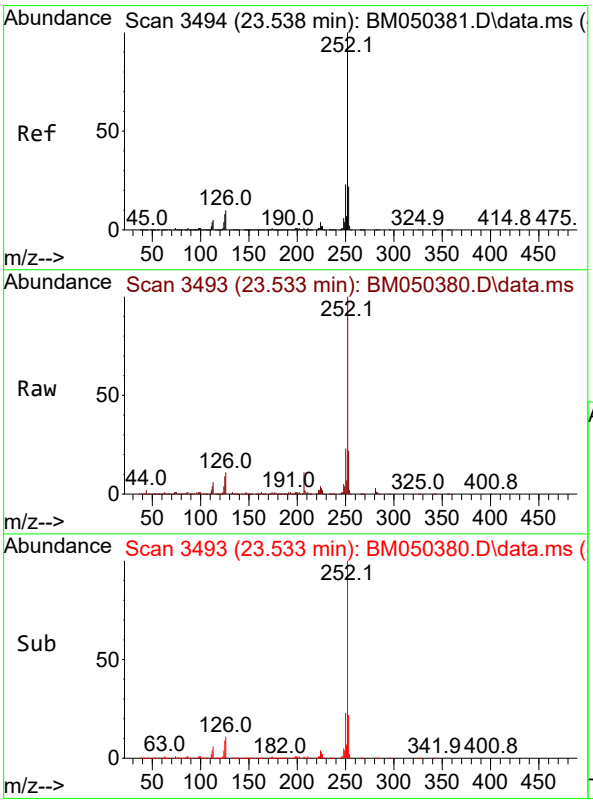

#87
Indeno(1,2,3-cd)pyrene
Concen: 19.328 ng
RT: 27.927 min Scan# 4
Delta R.T. -0.011 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:276 Resp: 2274737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.0 | 17.0 | 25.6 |
| 277 | 25.1 | 20.0 | 30.0 |

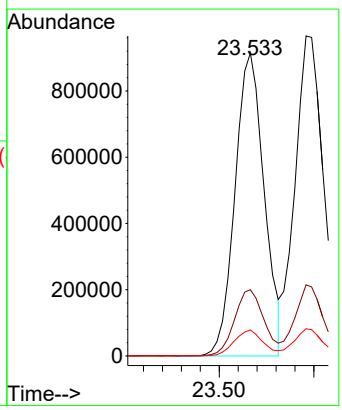


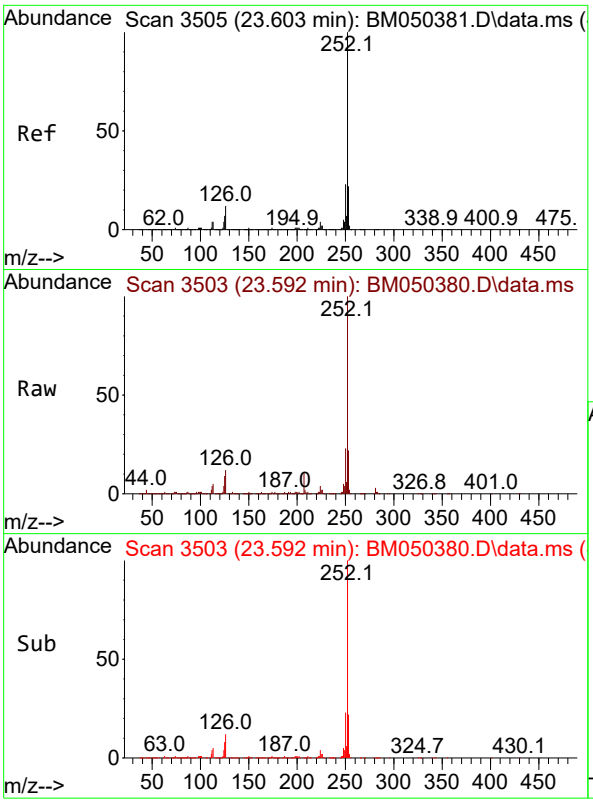




#88
Benzo(b)fluoranthene
Concen: 19.138 ng
RT: 23.533 min Scan# 3493
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:252 Resp: 1948651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.8 | 26.6 |
| 125 | 8.6 | 6.3 | 9.5 |



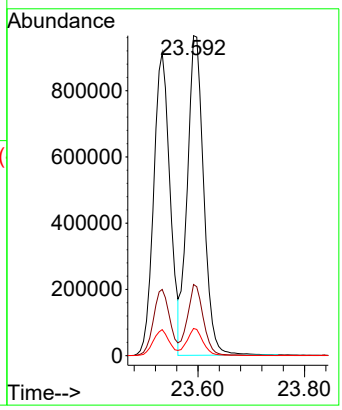


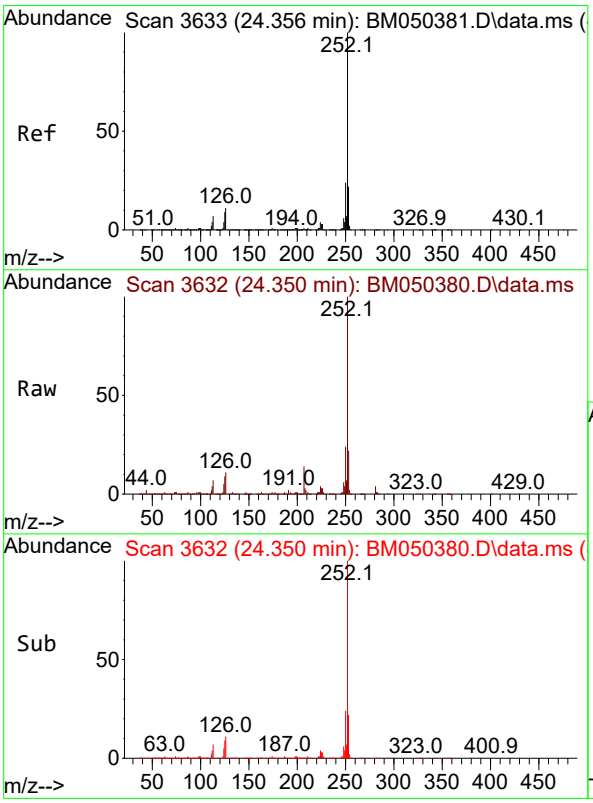

#89
Benzo(k)fluoranthene
Concen: 19.544 ng
RT: 23.592 min Scan# 3
Delta R.T. -0.011 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:252 Resp: 2064811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.6 | 26.4 |
| 125 | 8.5 | 6.2 | 9.2 |

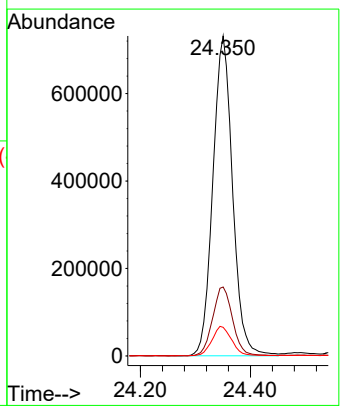


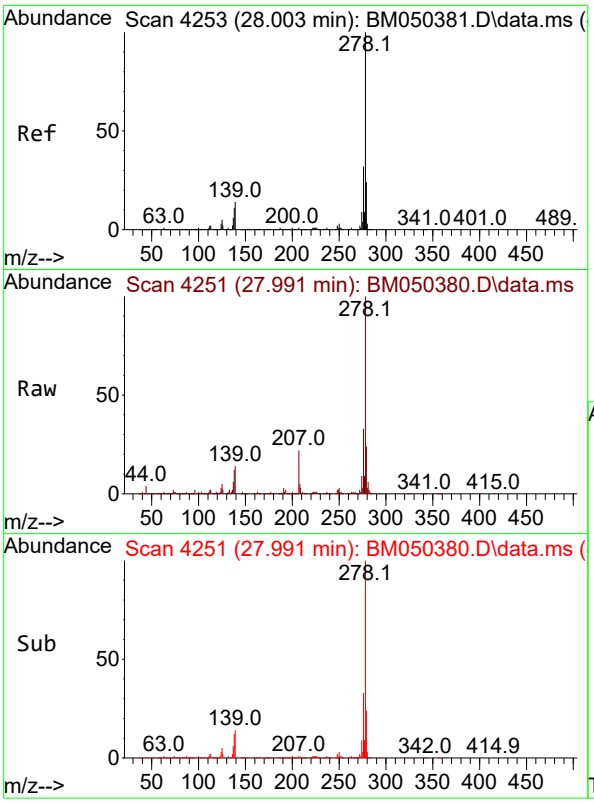




#90
Benzo(a)pyrene
Concen: 19.085 ng
RT: 24.350 min Scan# 3632
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:252 Resp: 1819117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.8 | 26.6 |
| 125 | 8.9 | 7.0 | 10.4 |



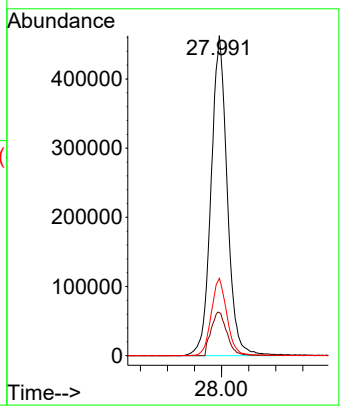


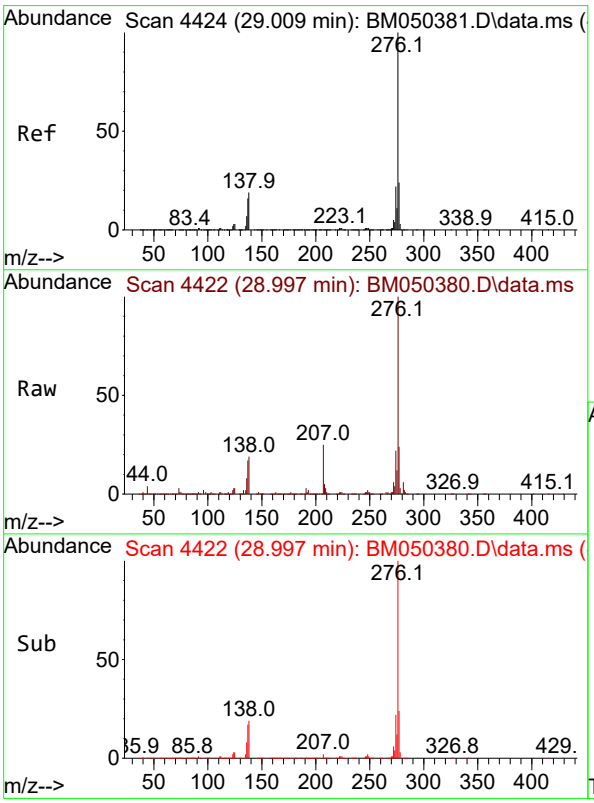

#91
Dibenzo(a,h)anthracene
Concen: 19.357 ng
RT: 27.991 min Scan# 4
Delta R.T. -0.011 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:278 Resp: 1918673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.5 | 10.8 | 16.2 |
| 279 | 24.2 | 19.4 | 29.0 |

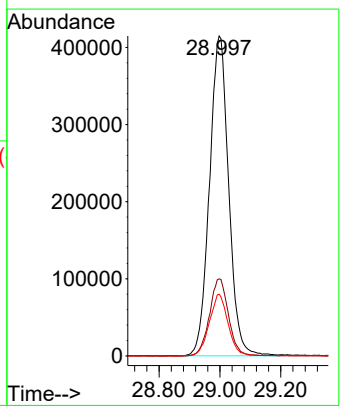



#92
Benzo(g,h,i)perylene
Concen: 19.385 ng
RT: 28.997 min Scan# 4422
Delta R.T. -0.011 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:276 Resp: 1815952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.1 | 19.1 | 28.7 |
| 138 | 19.3 | 14.9 | 22.3 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050381.D
Acq On : 08 Jul 2025 15:20
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Quant Time: Jul 08 18:22:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| Internal Standards | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.863 | 152 | 390087 | 20.000 ng | 0.00 |
| 21) Naphthalene-d8 | 10.663 | 136 | 1498318 | 20.000 ng | 0.00 |
| 39) Acenaphthene-d10 | 14.492 | 164 | 967077 | 20.000 ng | 0.00 |
| 64) Phenanthrene-d10 | 17.227 | 188 | 1834050 | 20.000 ng | 0.00 |
| 76) Chrysene-d12 | 21.456 | 240 | 1904004 | 20.000 ng | 0.00 |
| 86) Perylene-d12 | 24.497 | 264 | 1842285 | 20.000 ng | 0.00 |
| System Monitoring Compounds | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 1797254 | 79.307 ng | 0.00 |
| 7) Phenol-d6 | 7.022 | 99 | 2287075 | 80.057 ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.022 | 82 | 2350204 | 80.025 ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.974 | 330 | 961125 | 81.797 ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.121 | 172 | 6157884 | 78.635 ng | 0.00 |
| 79) Terphenyl-d14 | 19.845 | 244 | 9584372 | 88.568 ng | 0.00 |
| Target Compounds | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.334 | 88 | 358574 | 38.479 ng | 100 |
| 3) Pyridine | 3.734 | 79 | 957840 | 39.152 ng | 100 |
| 4) n-Nitrosodimethylamine | 3.640 | 42 | 446254 | 39.127 ng | 100 |
| 6) Aniline | 7.187 | 93 | 1465425 | 39.971 ng | 100 |
| 8) 2-Chlorophenol | 7.428 | 128 | 949275 | 39.725 ng | 100 |
| 9) Benzaldehyde | 6.998 | 77 | 699931m | 41.183 ng | |
| 10) Phenol | 7.051 | 94 | 1176548 | 39.486 ng | 100 |
| 11) bis(2-Chloroethyl)ether | 7.287 | 93 | 933093 | 39.103 ng | 100 |
| 12) 1,3-Dichlorobenzene | 7.757 | 146 | 1129597 | 38.876 ng | 100 |
| 13) 1,4-Dichlorobenzene | 7.904 | 146 | 1143020 | 38.525 ng | 100 |
| 14) 1,2-Dichlorobenzene | 8.222 | 146 | 1100335 | 38.737 ng | 100 |
| 15) Benzyl Alcohol | 8.098 | 79 | 797306 | 39.610 ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.392 | 45 | 1367157 | 38.896 ng | 100 |
| 17) 2-Methylphenol | 8.298 | 107 | 772662 | 39.981 ng | 100 |
| 18) Hexachloroethane | 8.951 | 117 | 406049 | 38.914 ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 8.669 | 70 | 710692 | 41.065 ng | 100 |
| 20) 3+4-Methylphenols | 8.628 | 107 | 1033775 | 39.847 ng | 100 |
| 22) Acetophenone | 8.681 | 105 | 1471867 | 39.290 ng | 100 |
| 24) Nitrobenzene | 9.057 | 77 | 1034216 | 39.463 ng | 100 |
| 25) Isophorone | 9.592 | 82 | 1916609 | 40.218 ng | 100 |
| 26) 2-Nitrophenol | 9.775 | 139 | 440758 | 41.266 ng | 100 |
| 27) 2,4-Dimethylphenol | 9.833 | 122 | 895117 | 39.384 ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 10.069 | 93 | 1249755 | 39.577 ng | 100 |
| 29) 2,4-Dichlorophenol | 10.304 | 162 | 934922 | 40.040 ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.527 | 180 | 1085193 | 38.850 ng | 100 |
| 31) Naphthalene | 10.710 | 128 | 2960809 | 38.905 ng | 100 |
| 32) Benzoic acid | 9.945 | 122 | 491059 | 36.793 ng | 100 |
| 33) 4-Chloroaniline | 10.810 | 127 | 1285226 | 39.947 ng | 100 |
| 34) Hexachlorobutadiene | 11.010 | 225 | 662229 | 38.844 ng | 100 |
| 35) Caprolactam | 11.580 | 113 | 260010 | 40.791 ng | 100 |
| 36) 4-Chloro-3-methylphenol | 11.933 | 107 | 883903 | 40.538 ng | 100 |
| 37) 2-Methylnaphthalene | 12.321 | 142 | 1901706 | 39.576 ng | 100 |
| 38) 1-Methylnaphthalene | 12.539 | 142 | 2017118 | 39.665 ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.692 | 216 | 1203524 | 39.134 ng | 100 |
| 41) Hexachlorocyclopentadiene | 12.680 | 237 | 765708 | 38.951 ng | 100 |
| 43) 2,4,6-Trichlorophenol | 12.927 | 196 | 761982 | 40.252 ng | 100 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050381.D
Acq On : 08 Jul 2025 15:20
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Quant Time: Jul 08 18:22:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.992 | 196 | 831142 | 40.202 ng | 100 |
| 46) 1,1'-Biphenyl | 13.333 | 154 | 2786215 | 38.832 ng | 100 |
| 47) 2-Chloronaphthalene | 13.368 | 162 | 2224727 | 38.889 ng | 100 |
| 48) 2-Nitroaniline | 13.563 | 65 | 538415 | 42.165 ng | 100 |
| 49) Acenaphthylene | 14.215 | 152 | 3433586 | 39.714 ng | 100 |
| 50) Dimethylphthalate | 13.951 | 163 | 2613190 | 39.248 ng | 100 |
| 51) 2,6-Dinitrotoluene | 14.063 | 165 | 528767 | 41.362 ng | 100 |
| 52) Acenaphthene | 14.557 | 154 | 2148079 | 39.080 ng | 100 |
| 53) 3-Nitroaniline | 14.386 | 138 | 568716 | 41.832 ng | 100 |
| 54) 2,4-Dinitrophenol | 14.586 | 184 | 225952 | 35.873 ng | 100 |
| 55) Dibenzofuran | 14.892 | 168 | 3305040 | 39.024 ng | 100 |
| 56) 4-Nitrophenol | 14.680 | 139 | 473550 | 40.504 ng | 100 |
| 57) 2,4-Dinitrotoluene | 14.845 | 165 | 717807 | 38.104 ng | 100 |
| 58) Fluorene | 15.539 | 166 | 2744882 | 39.349 ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.110 | 232 | 705044 | 40.512 ng | 100 |
| 60) Diethylphthalate | 15.315 | 149 | 2532007 | 39.811 ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.533 | 204 | 1443937 | 39.586 ng | 100 |
| 62) 4-Nitroaniline | 15.545 | 138 | 602257 | 39.043 ng | 100 |
| 63) Azobenzene | 15.827 | 77 | 2337291 | 40.021 ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 15.604 | 198 | 343246 | 36.538 ng | 100 |
| 66) n-Nitrosodiphenylamine | 15.745 | 169 | 2284645 | 39.809 ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.427 | 248 | 798257 | 39.504 ng | 100 |
| 68) Hexachlorobenzene | 16.539 | 284 | 940659 | 39.414 ng | 100 |
| 69) Atrazine | 16.692 | 200 | 775270 | 41.139 ng | 100 |
| 70) Pentachlorophenol | 16.874 | 266 | 590077 | 39.717 ng | 100 |
| 71) Phenanthrene | 17.268 | 178 | 4039451 | 38.923 ng | 100 |
| 72) Anthracene | 17.362 | 178 | 4095570 | 39.646 ng | 100 |
| 73) Carbazole | 17.621 | 167 | 3704436 | 39.632 ng | 100 |
| 74) Di-n-butylphthalate | 18.198 | 149 | 4183360 | 40.890 ng | 100 |
| 75) Fluoranthene | 19.280 | 202 | 4522403 | 40.085 ng | 100 |
| 77) Benzidine | 19.456 | 184 | 2104809 | 43.341 ng | 100 |
| 78) Pyrene | 19.639 | 202 | 4798678 | 39.352 ng | 100 |
| 80) Butylbenzylphthalate | 20.539 | 149 | 1677924 | 41.731 ng | 100 |
| 81) Benzo(a)anthracene | 21.439 | 228 | 4880944 | 39.344 ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.356 | 252 | 1633134 | 39.036 ng | 100 |
| 83) Chrysene | 21.497 | 228 | 4604684 | 39.351 ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.368 | 149 | 2685699 | 42.076 ng | 100 |
| 85) Di-n-octyl phthalate | 22.527 | 149 | 4028194 | 40.294 ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 27.938 | 276 | 5214934 | 39.813 ng | 100 |
| 88) Benzo(b)fluoranthene | 23.538 | 252 | 4531635 | 39.990 ng | 100 |
| 89) Benzo(k)fluoranthene | 23.603 | 252 | 4654634 | 39.586 ng | 100 |
| 90) Benzo(a)pyrene | 24.356 | 252 | 4259750 | 40.157 ng | 100 |
| 91) Dibenzo(a,h)anthracene | 28.003 | 278 | 4396741 | 39.857 ng | 100 |
| 92) Benzo(g,h,i)perylene | 29.009 | 276 | 4131353 | 39.626 ng | 100 |

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

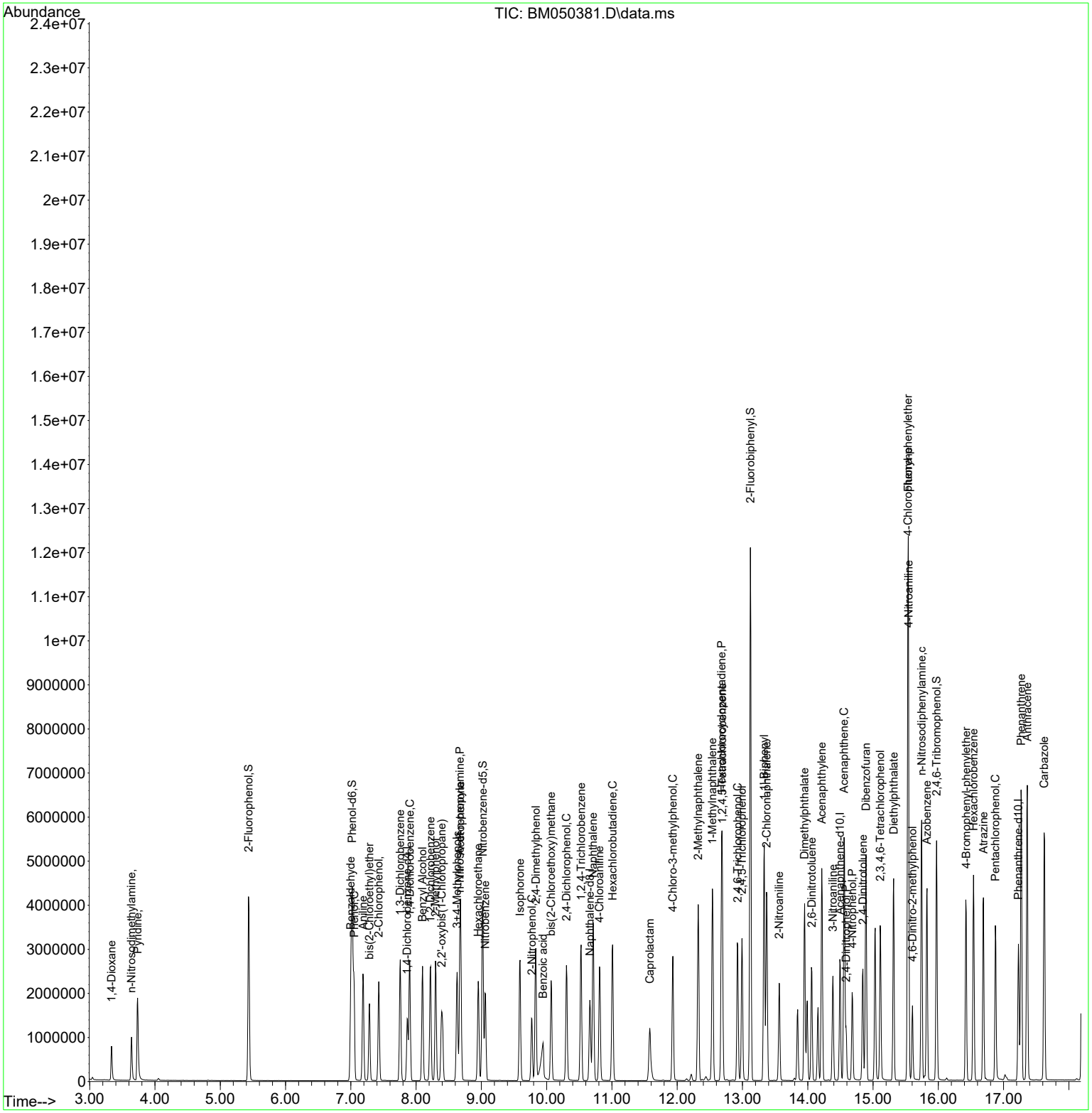
Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050381.D
Acq On : 08 Jul 2025 15:20
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Quant Time: Jul 08 18:22:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



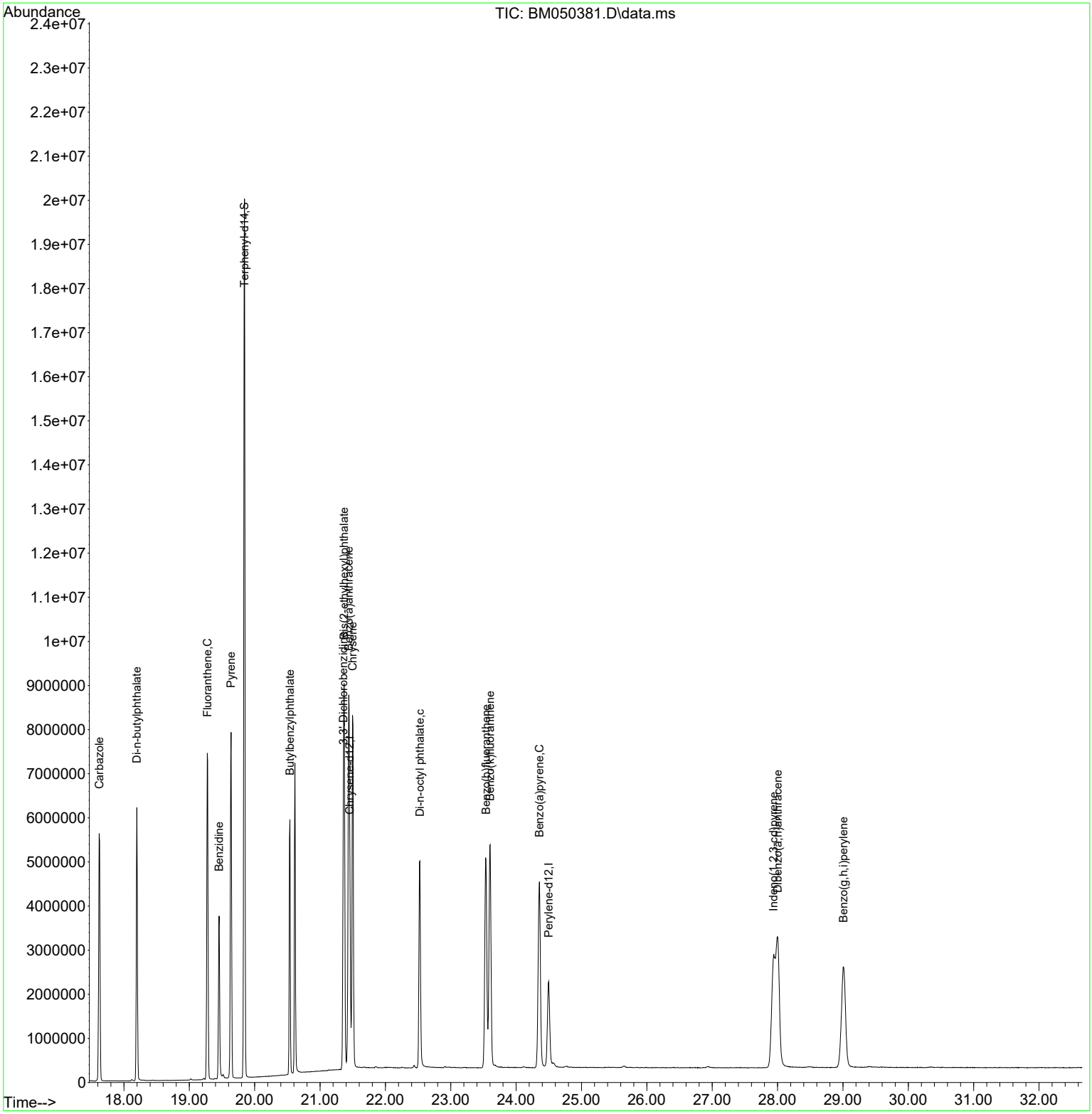
Quantitation Report (QT Reviewed)

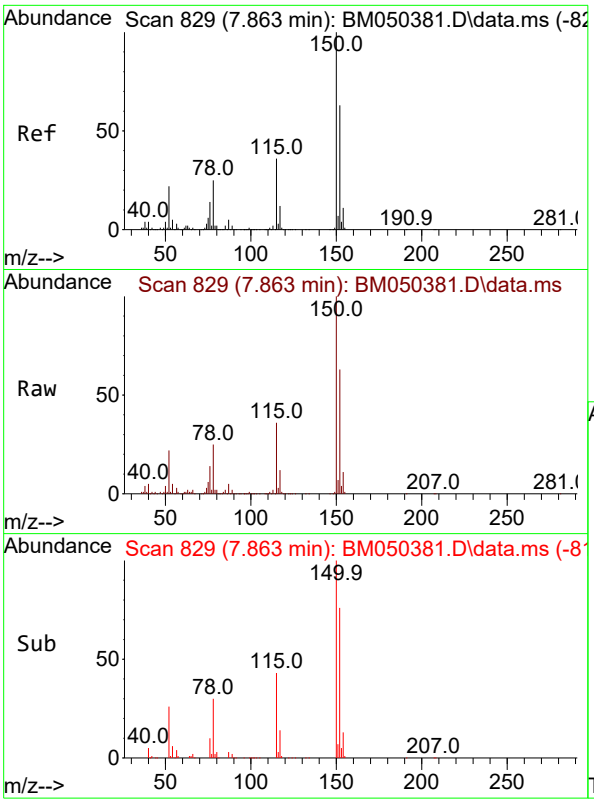
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050381.D
Acq On : 08 Jul 2025 15:20
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Quant Time: Jul 08 18:22:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



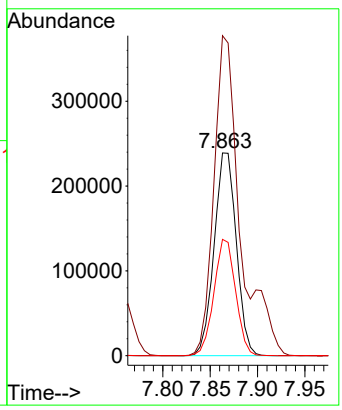


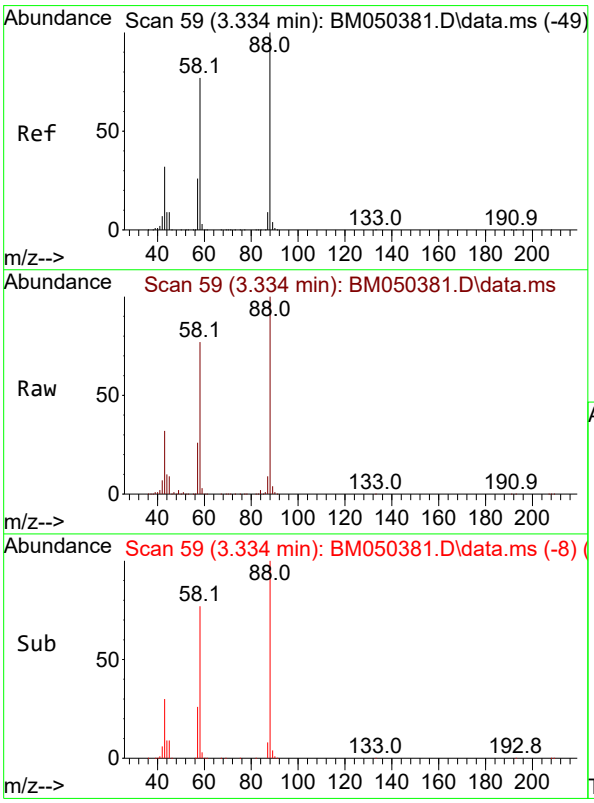

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:152 Resp: 390087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.8 | 126.2 | 189.4 |
| 115 | 57.3 | 45.8 | 68.8 |

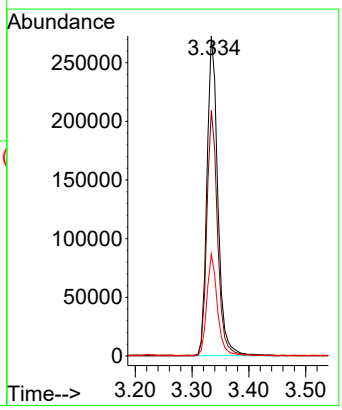


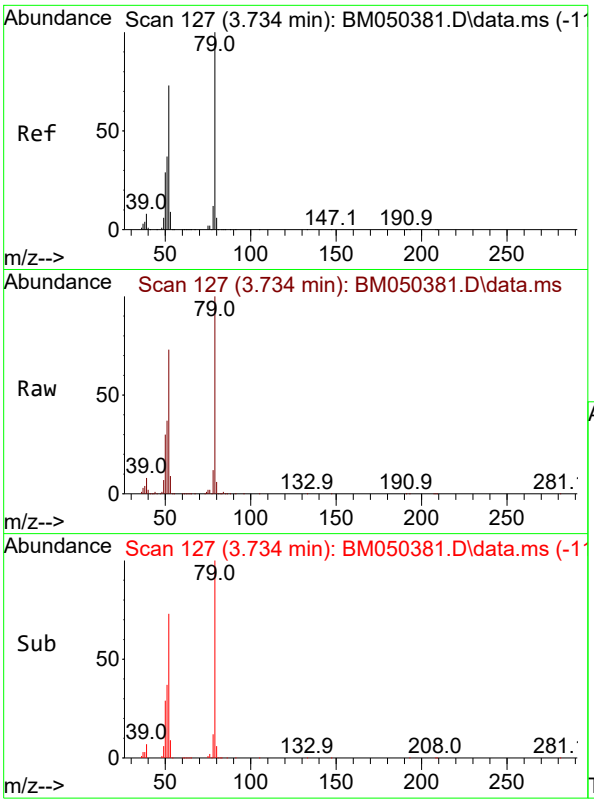




#2
1,4-Dioxane
Concen: 38.479 ng
RT: 3.334 min Scan# 59
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 88 Resp: 358574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 76.3 | 61.0 | 91.6 |
| 43 | 30.8 | 24.6 | 37.0 |



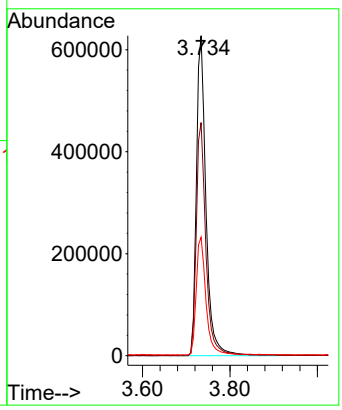


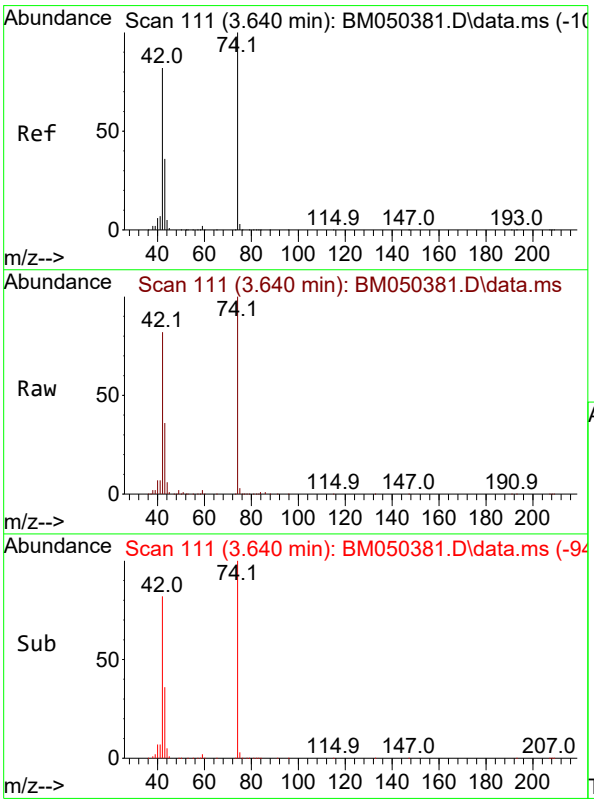

#3
Pyridine
Concen: 39.152 ng
RT: 3.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 79 Resp: 957840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 72.9 | 58.3 | 87.5 |
| 51 | 37.0 | 29.6 | 44.4 |

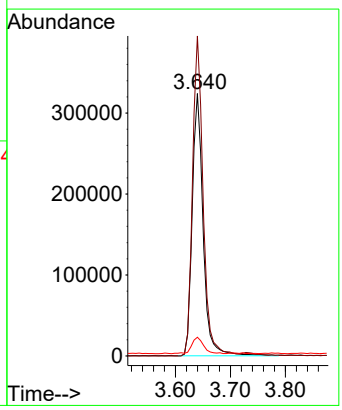


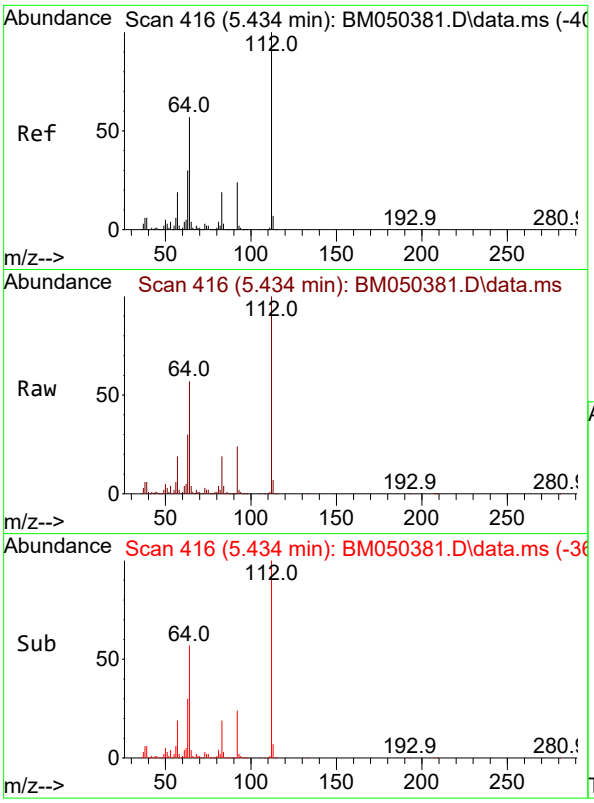




#4
n-Nitrosodimethylamine
Concen: 39.127 ng
RT: 3.640 min Scan# 111
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 42 Resp: 446254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 121.9 | 97.5 | 146.3 |
| 44 | 7.1 | 5.7 | 8.5 |



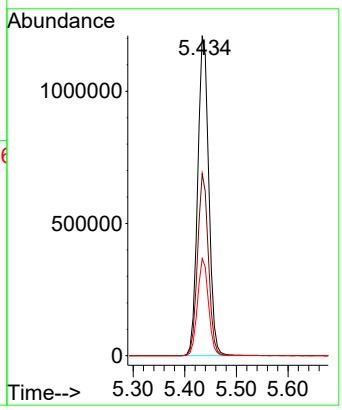


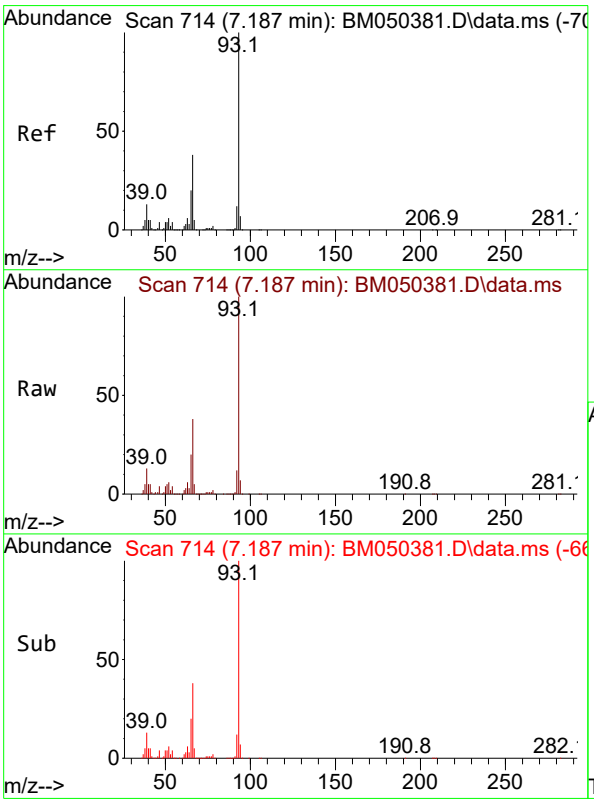

#5
2-Fluorophenol
Concen: 79.307 ng
RT: 5.434 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:112 Resp: 1797254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.9 | 45.5 | 68.3 |
| 63 | 30.3 | 24.2 | 36.4 |

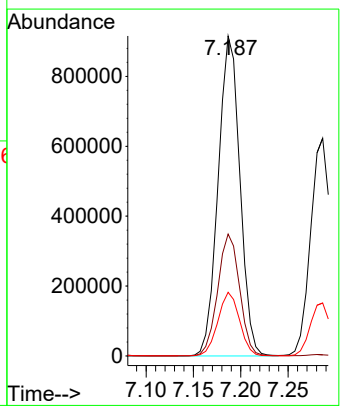


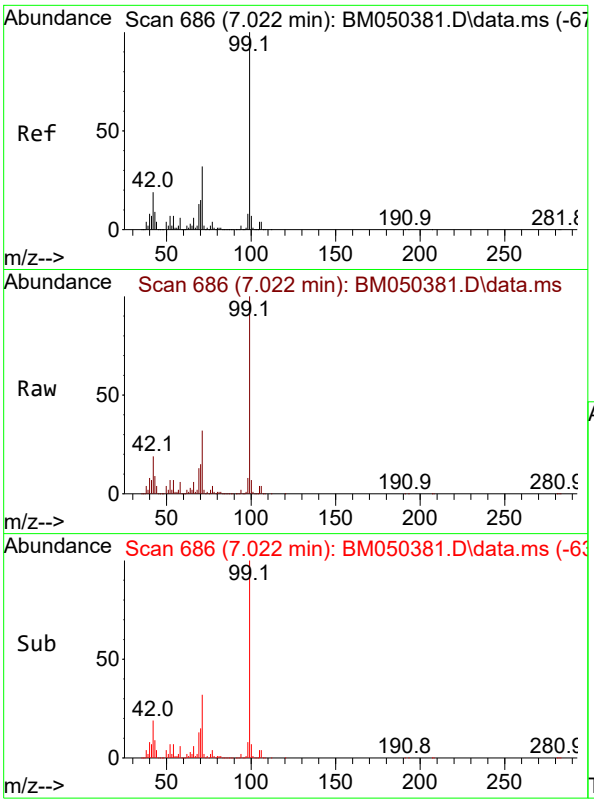




#6
Aniline
Concen: 39.971 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 93 Resp: 1465425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.1 | 30.5 | 45.7 |
| 65 | 19.9 | 15.9 | 23.9 |



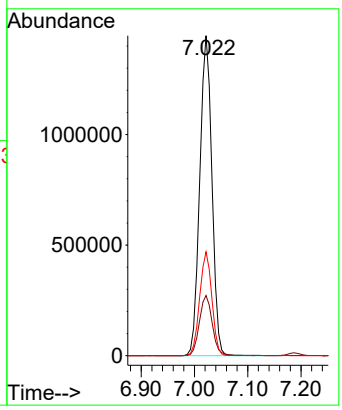


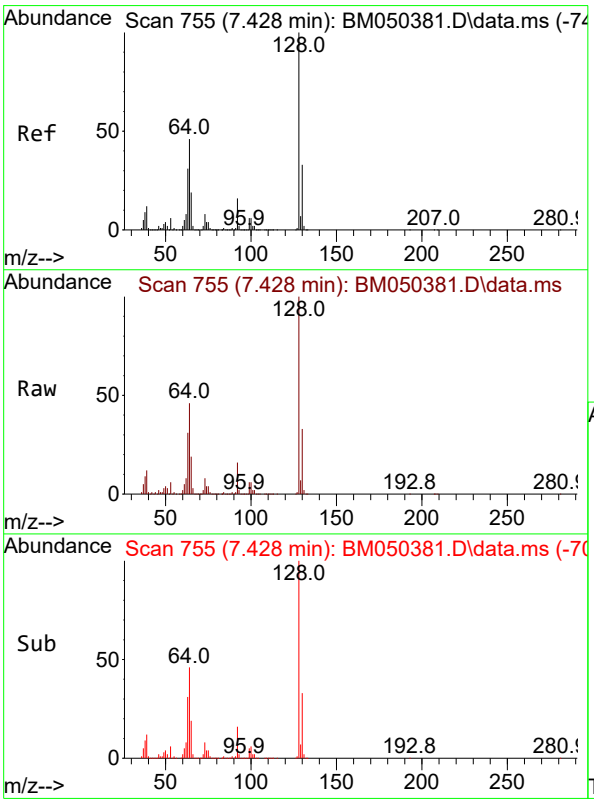

#7
Phenol-d6
Concen: 80.057 ng
RT: 7.022 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 99 Resp: 2287075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.8 | 15.0 | 22.6 |
| 71 | 32.4 | 25.9 | 38.9 |

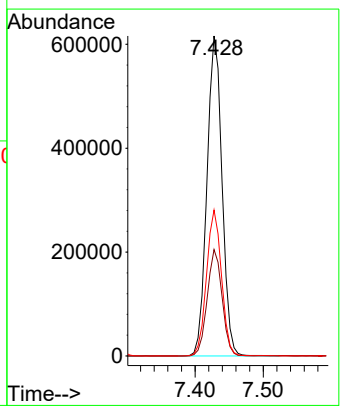


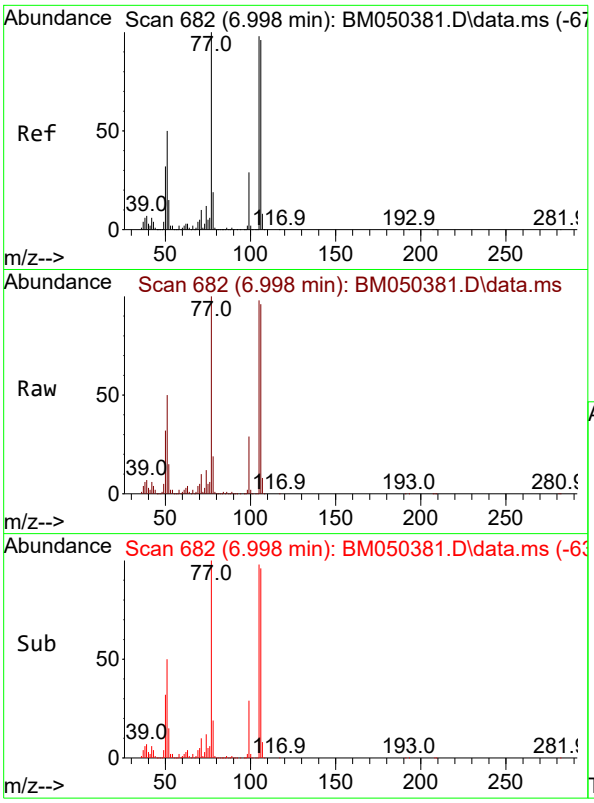




#8
2-Chlorophenol
Concen: 39.725 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:128 Resp: 949275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.3 | 13.3 | 53.3 |
| 64 | 45.6 | 25.6 | 65.6 |



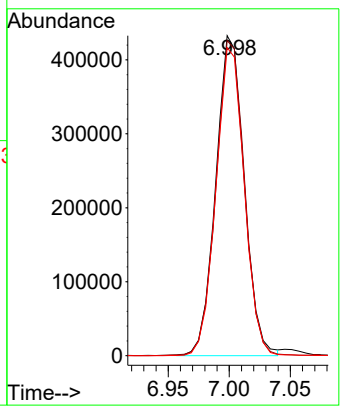


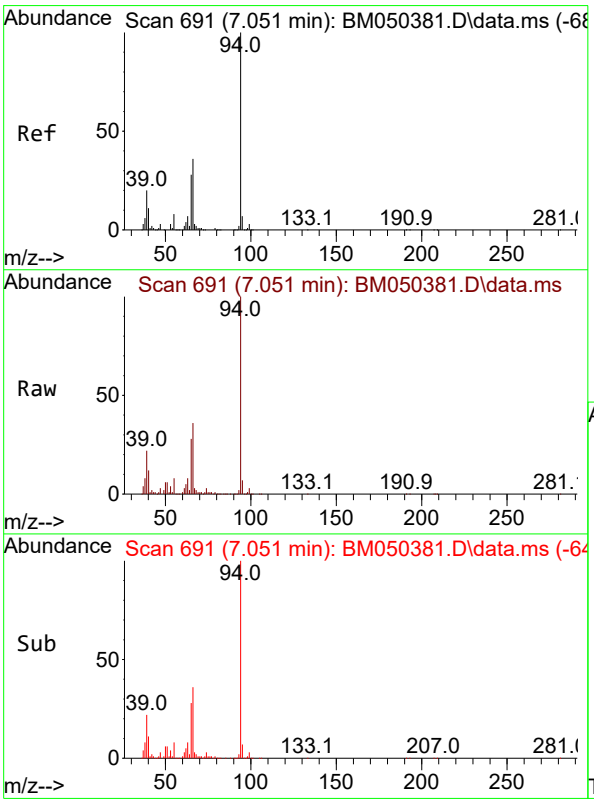

#9
Benzaldehyde
Concen: 41.183 ng m
RT: 6.998 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 77 Resp: 699931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 98.4 | 78.4 | 118.4 |
| 106 | 96.3 | 76.3 | 116.3 |

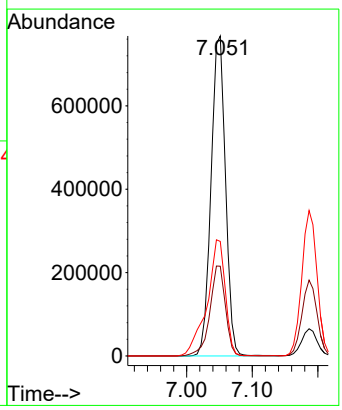


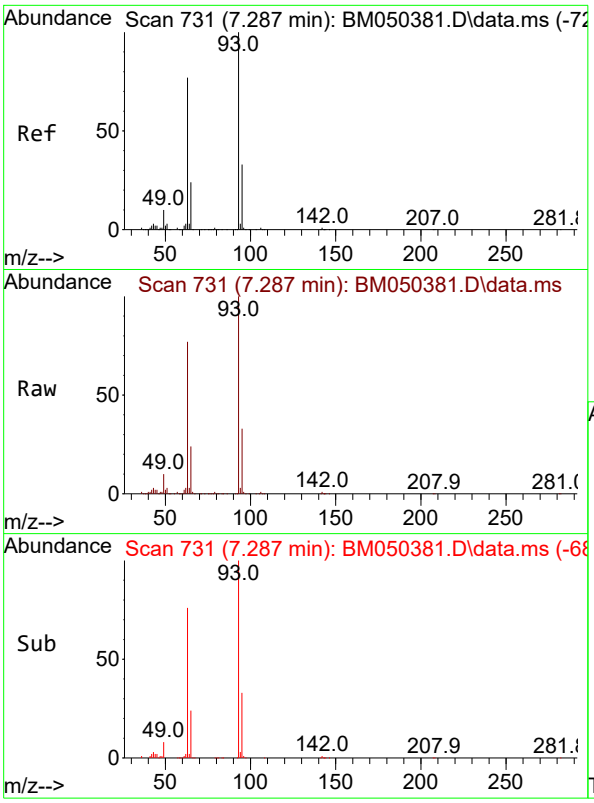




#10
Phenol
Concen: 39.486 ng
RT: 7.051 min Scan# 691
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 94 Resp: 1176548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.1 | 8.1 | 48.1 |
| 66 | 35.8 | 15.8 | 55.8 |



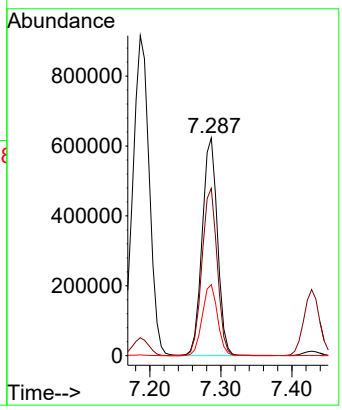


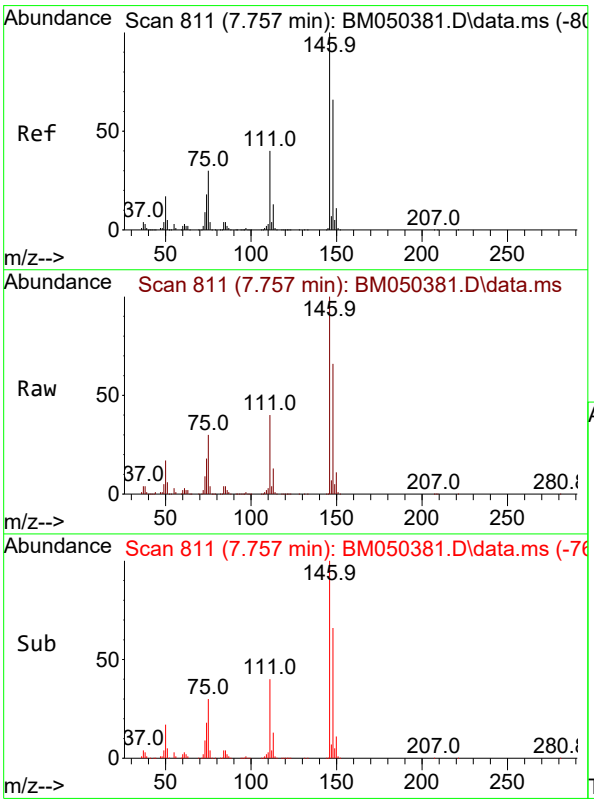

#11
bis(2-Chloroethyl)ether
Concen: 39.103 ng
RT: 7.287 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 93 Resp: 933093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 76.9 | 56.9 | 96.9 |
| 95 | 32.6 | 12.6 | 52.6 |

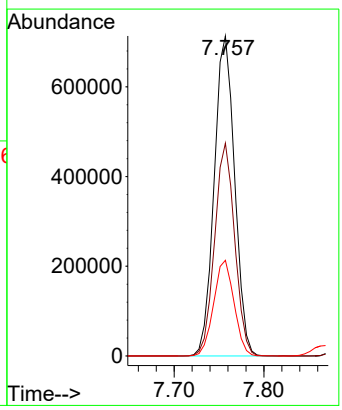


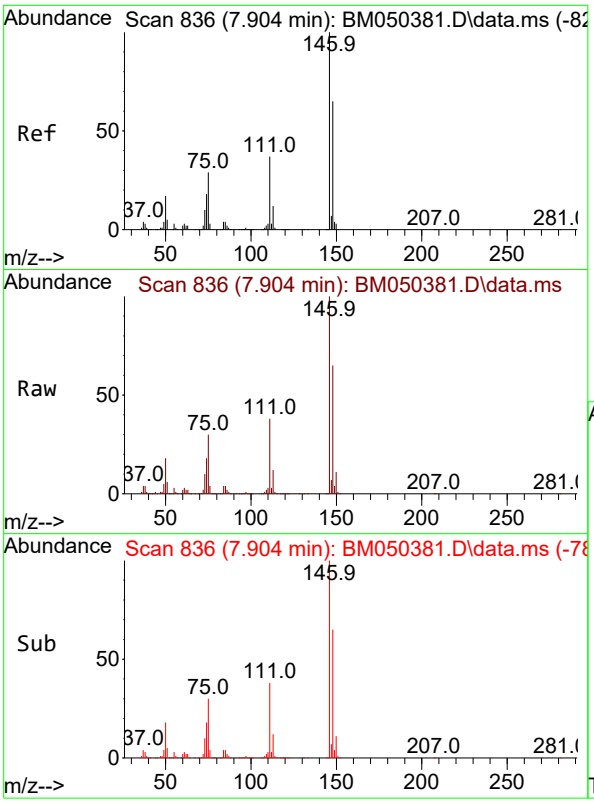




#12
1,3-Dichlorobenzene
Concen: 38.876 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:146 Resp: 1129597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 66.5 | 53.2 | 79.8 |
| 75 | 29.9 | 23.9 | 35.9 |



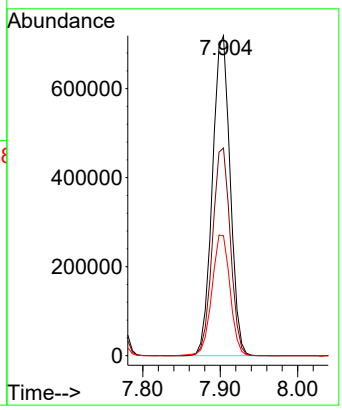


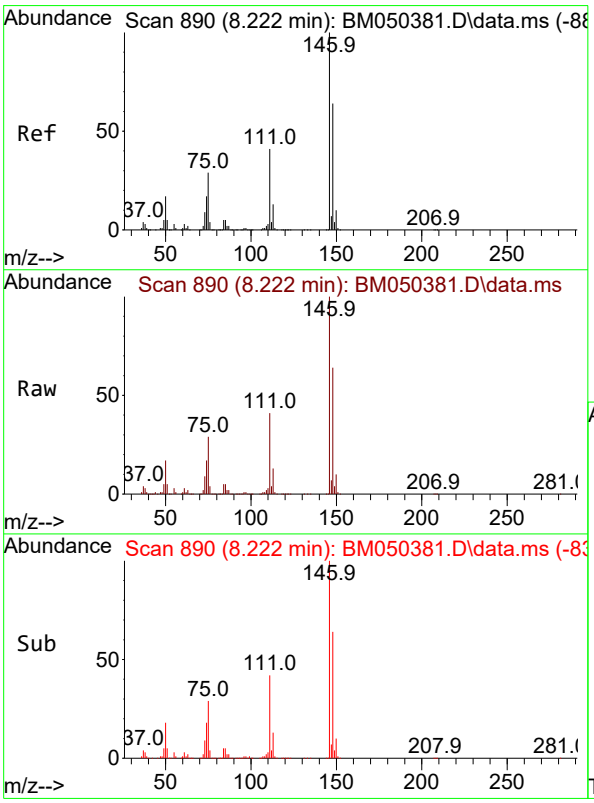

#13
1,4-Dichlorobenzene
Concen: 38.525 ng
RT: 7.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:146 Resp: 1143020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.9 | 51.9 | 77.9 |
| 111 | 37.5 | 30.0 | 45.0 |

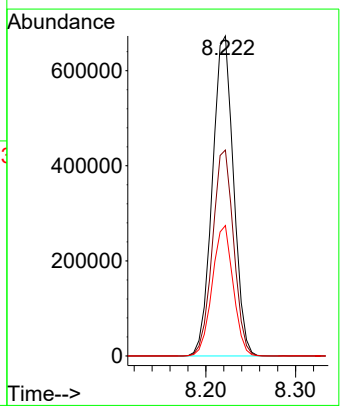


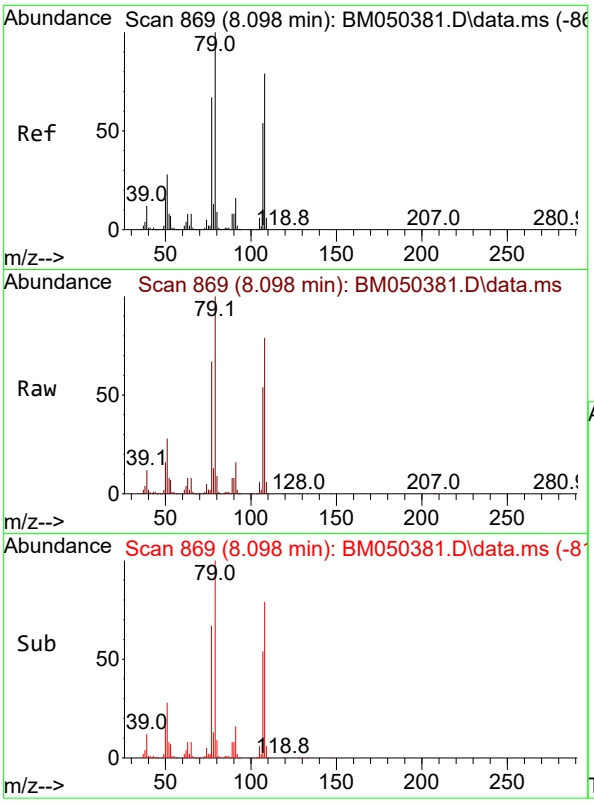




#14
1,2-Dichlorobenzene
Concen: 38.737 ng
RT: 8.222 min Scan# 890
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:146 Resp: 1100335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.5 | 77.3 |
| 111 | 40.8 | 32.6 | 49.0 |



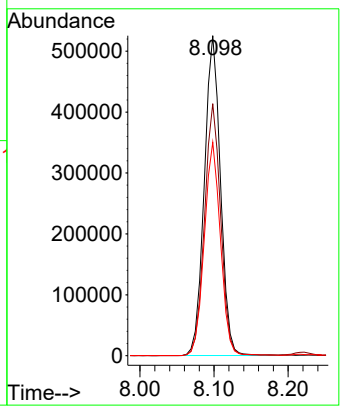


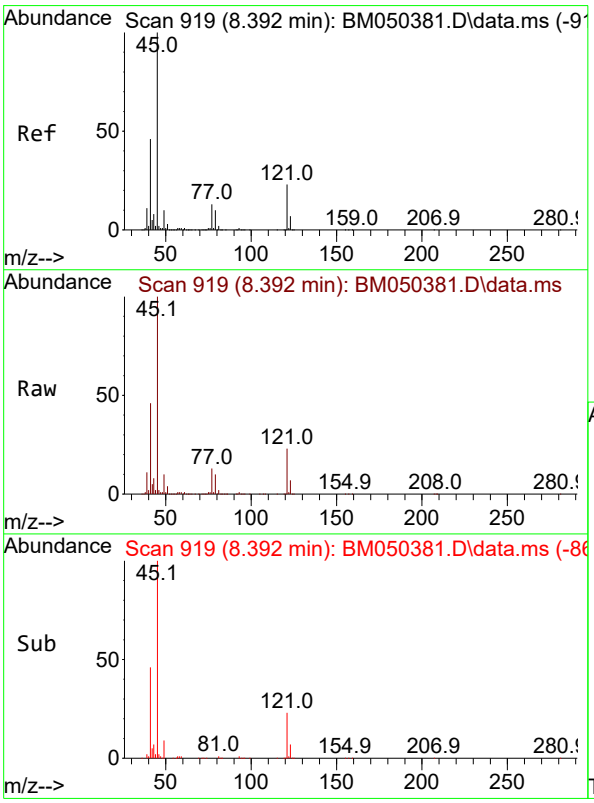

#15
Benzyl Alcohol
Concen: 39.610 ng
RT: 8.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 79 Resp: 797306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 78.7 | 63.0 | 94.4 |
| 77 | 66.7 | 53.4 | 80.0 |

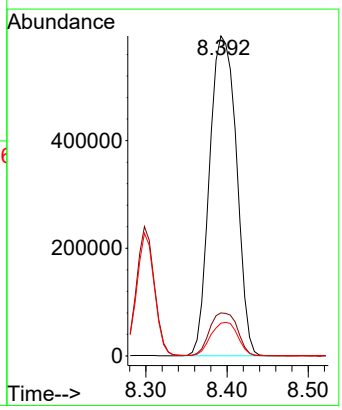


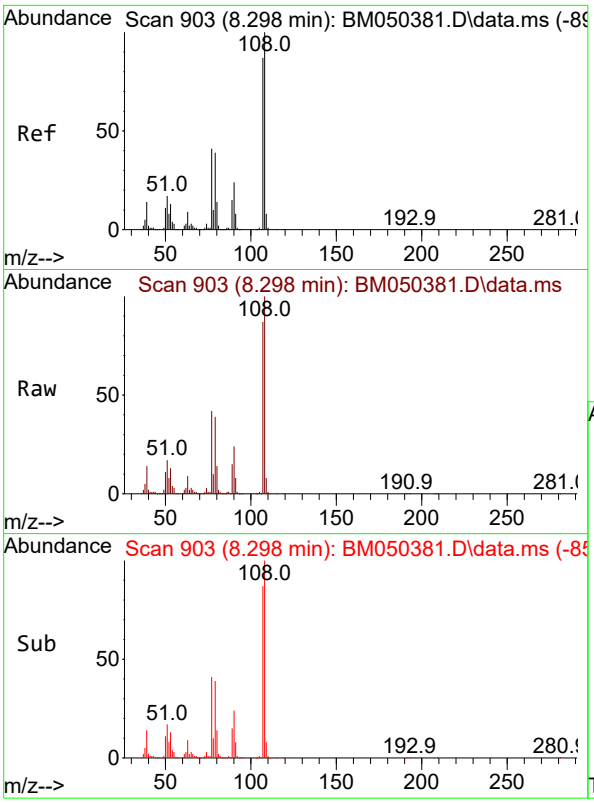




#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.896 ng
RT: 8.392 min Scan# 919
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 45 Resp: 1367157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.5 | 0.0 | 33.5 |
| 79 | 10.3 | 0.0 | 30.3 |



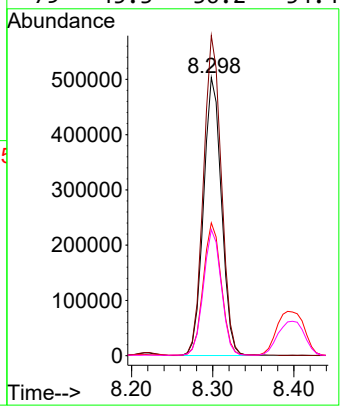


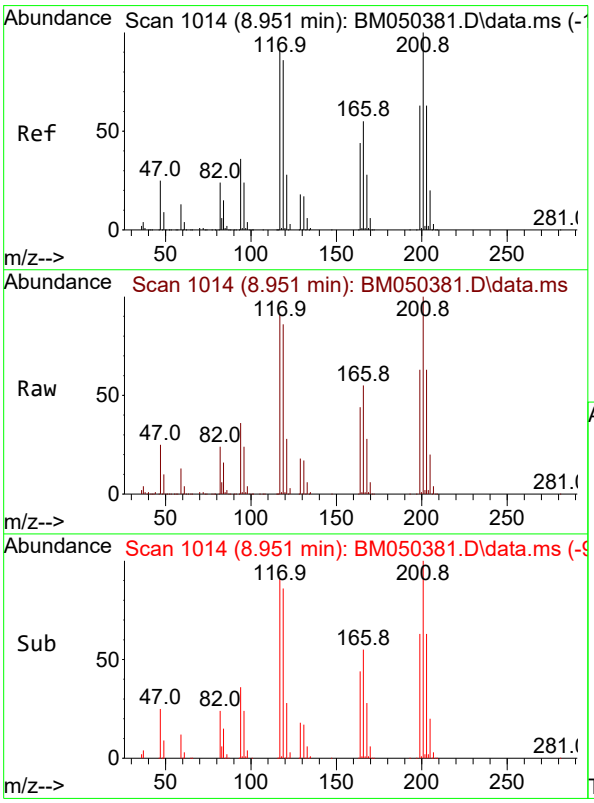

#17
2-Methylphenol
Concen: 39.981 ng
RT: 8.298 min Scan# 9(
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:107 Resp: 772662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 115.1 | 92.1 | 138.1 |
| 77 | 47.8 | 38.2 | 57.4 |
| 79 | 45.3 | 36.2 | 54.4 |

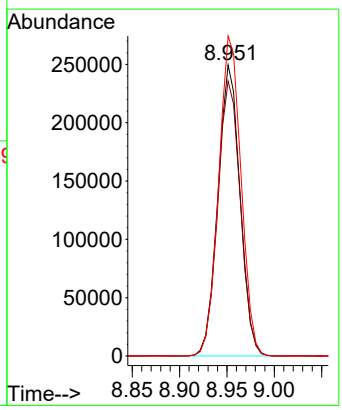


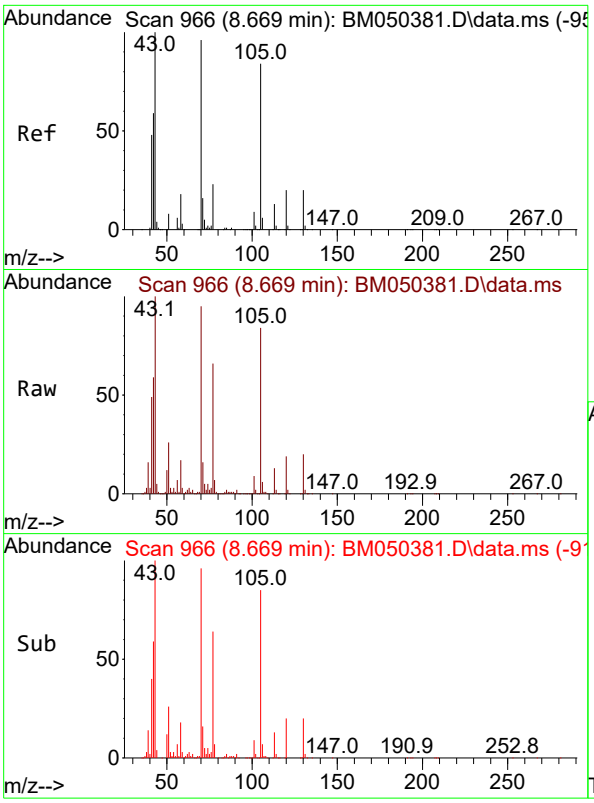




#18
Hexachloroethane
Concen: 38.914 ng
RT: 8.951 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:117 Resp: 406049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.5 | 75.6 | 113.4 |
| 201 | 109.9 | 87.9 | 131.9 |



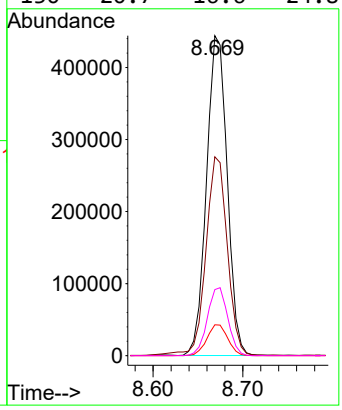


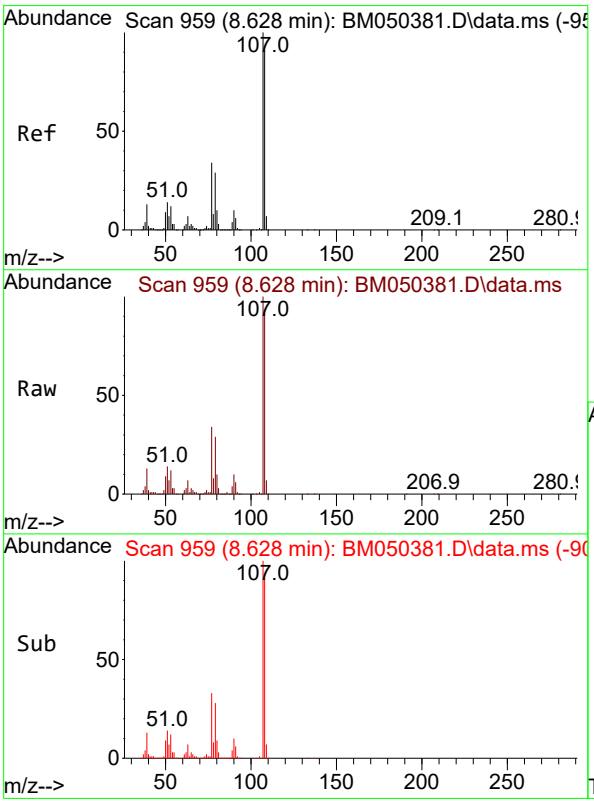

#19
n-Nitroso-di-n-propylamine
Concen: 41.065 ng
RT: 8.669 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 70 Resp: 710692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 62.1 | 49.7 | 74.5 |
| 101 | 9.6 | 7.7 | 11.5 |
| 130 | 20.7 | 16.6 | 24.8 |

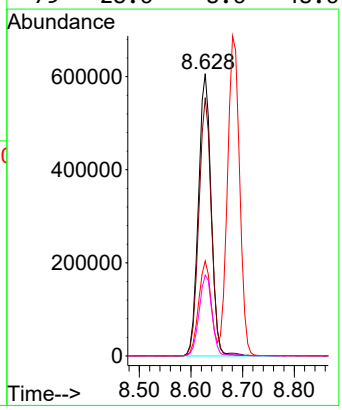


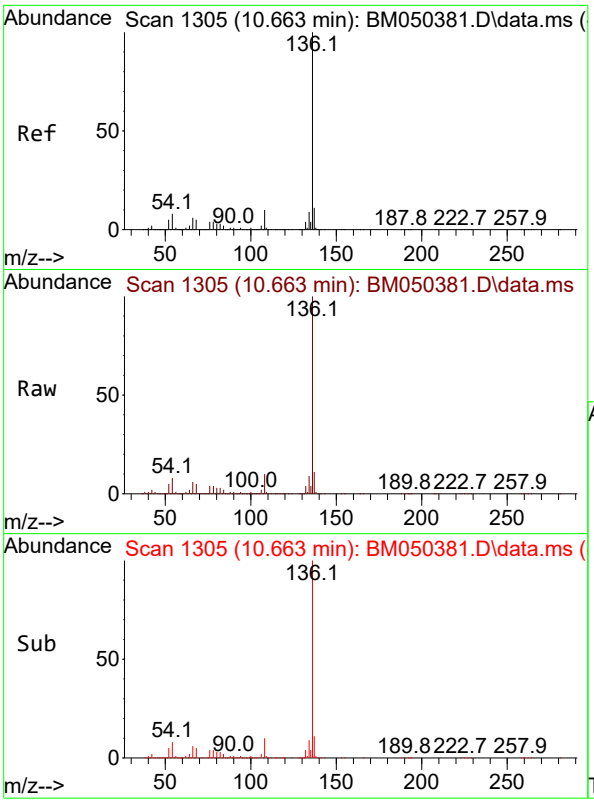




#20
3+4-Methylphenols
Concen: 39.847 ng
RT: 8.628 min Scan# 959
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:107 Resp: 1033775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.5 | 71.5 | 111.5 |
| 77 | 33.7 | 13.7 | 53.7 |
| 79 | 28.6 | 8.6 | 48.6 |



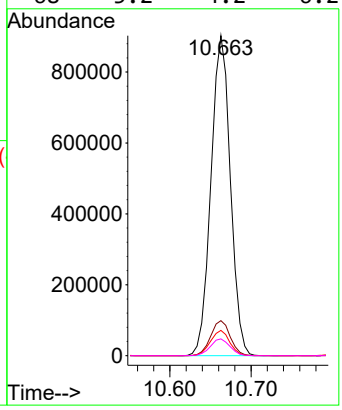


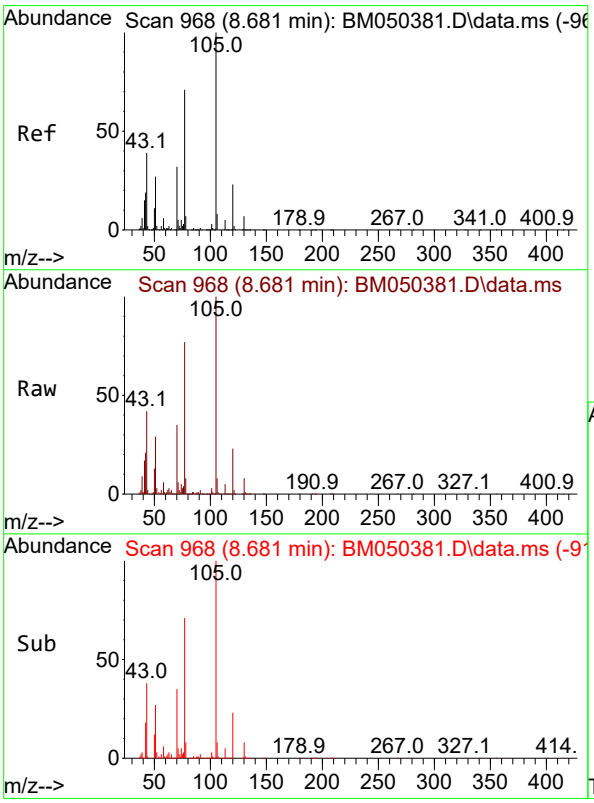

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:136 Resp: 1498318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 7.9 | 6.3 | 9.5 |
| 68 | 5.2 | 4.2 | 6.2 |

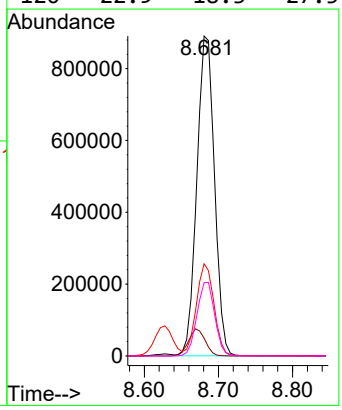


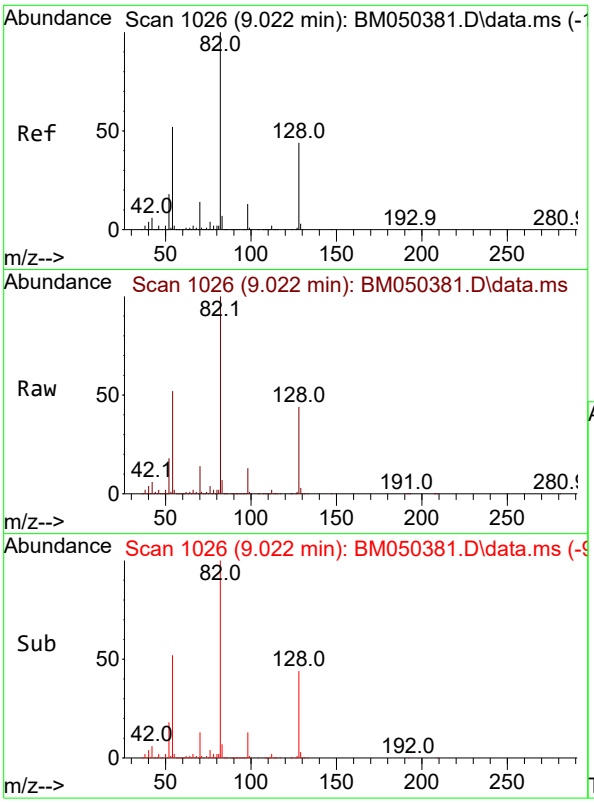




#22
Acetophenone
Concen: 39.290 ng
RT: 8.681 min Scan# 968
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:105 Resp: 1471867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 5.5 | 4.4 | 6.6 |
| 51 | 28.8 | 23.0 | 34.6 |
| 120 | 22.9 | 18.3 | 27.5 |



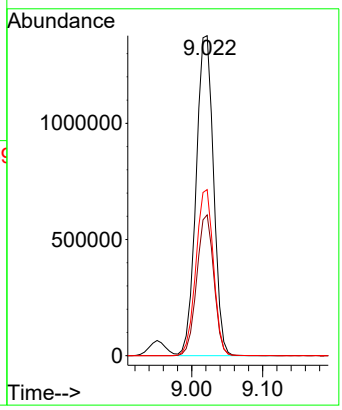


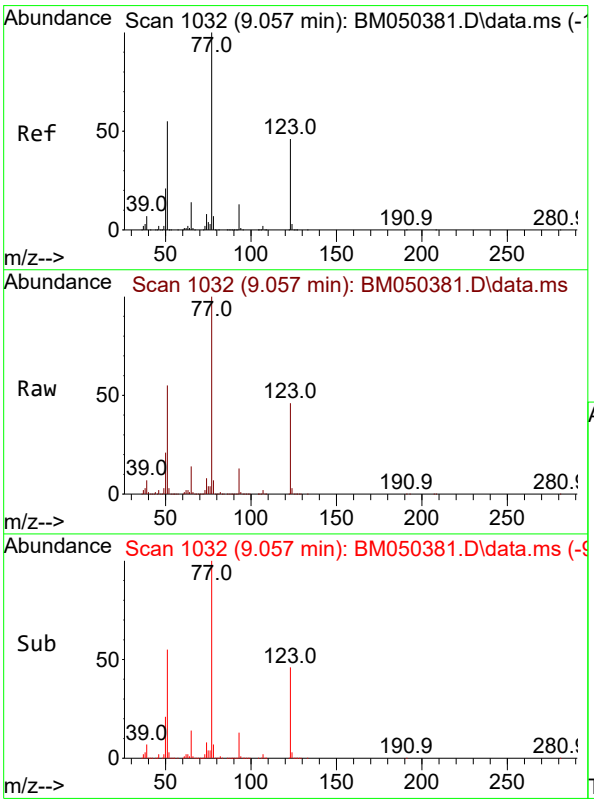

#23
Nitrobenzene-d5
Concen: 80.025 ng
RT: 9.022 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 82 Resp: 2350204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.0 | 35.2 | 52.8 |
| 54 | 51.9 | 41.5 | 62.3 |

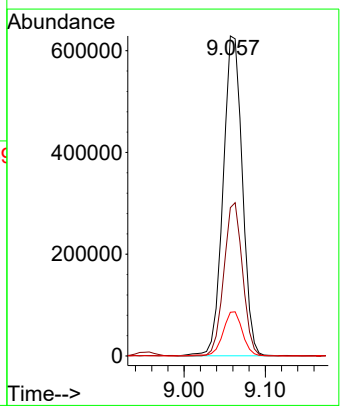


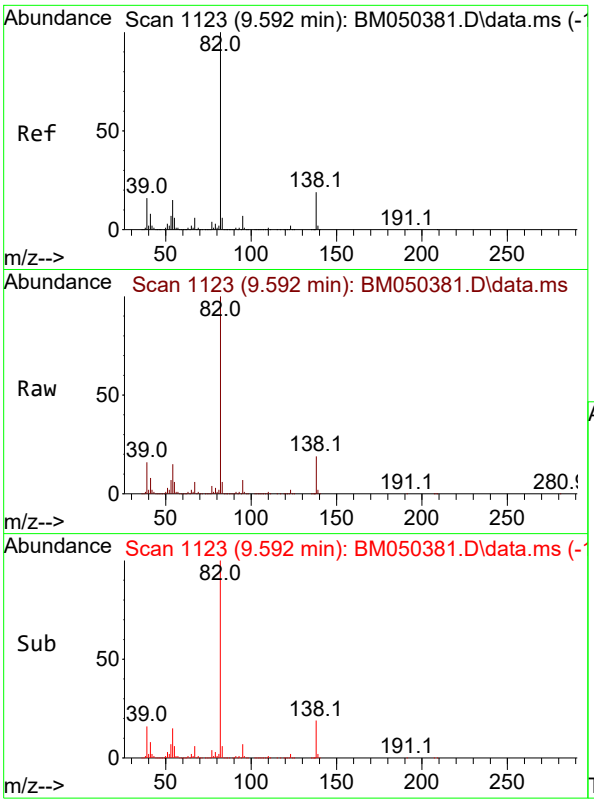




#24
Nitrobenzene
Concen: 39.463 ng
RT: 9.057 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 77 Resp: 1034216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.3 | 37.0 | 55.6 |
| 65 | 13.7 | 11.0 | 16.4 |



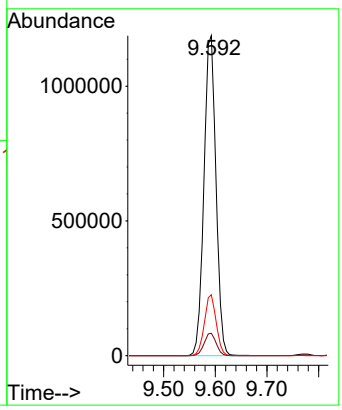


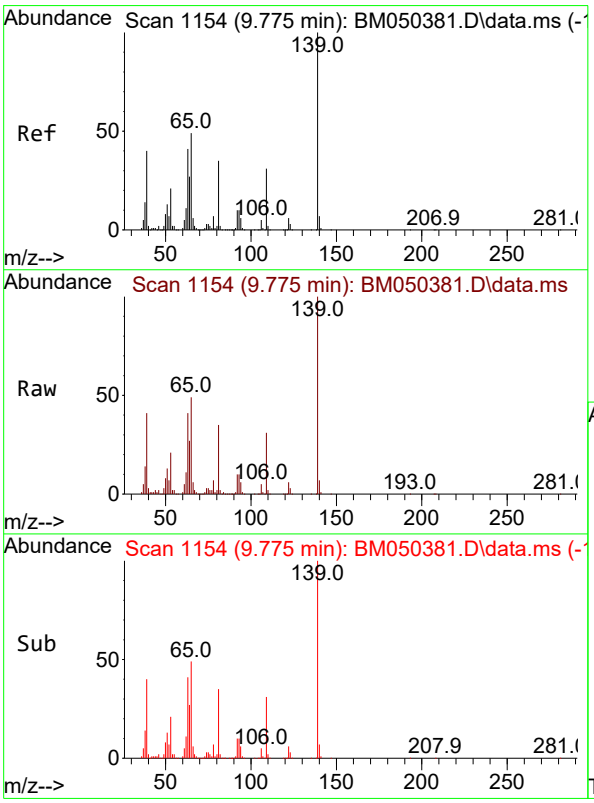

#25
Isophorone
Concen: 40.218 ng
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 82 Resp: 1916609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.0 | 5.6 | 8.4 |
| 138 | 19.1 | 15.3 | 22.9 |

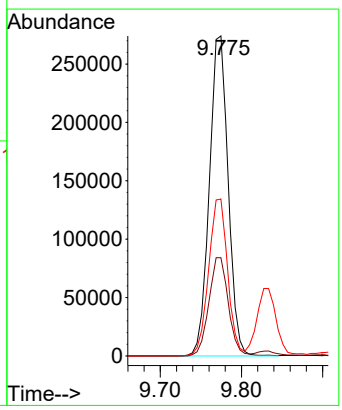


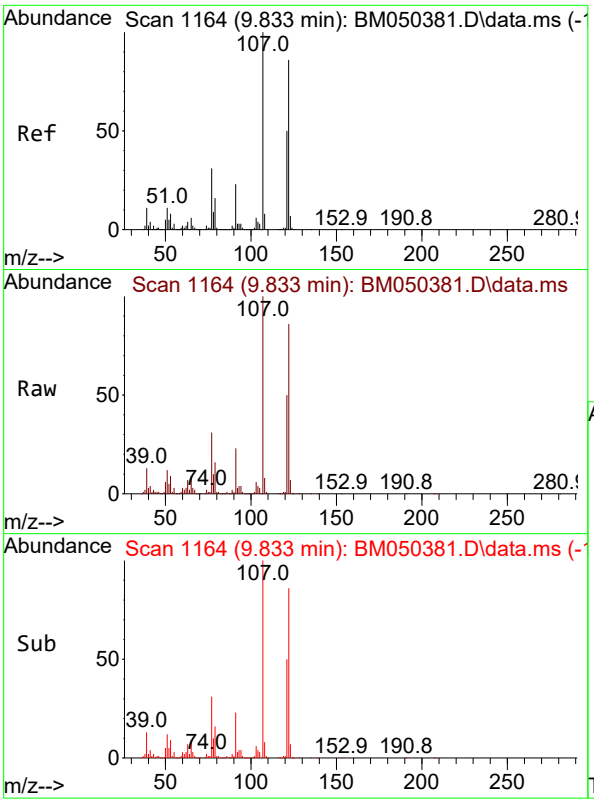




#26
2-Nitrophenol
Concen: 41.266 ng
RT: 9.775 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:139 Resp: 440758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.7 | 24.6 | 36.8 |
| 65 | 49.0 | 39.2 | 58.8 |



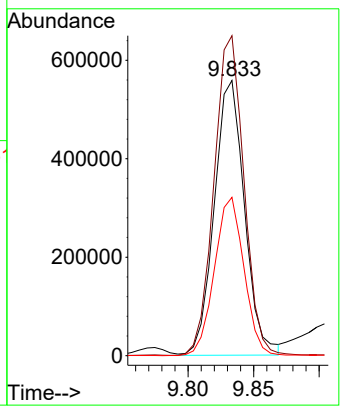


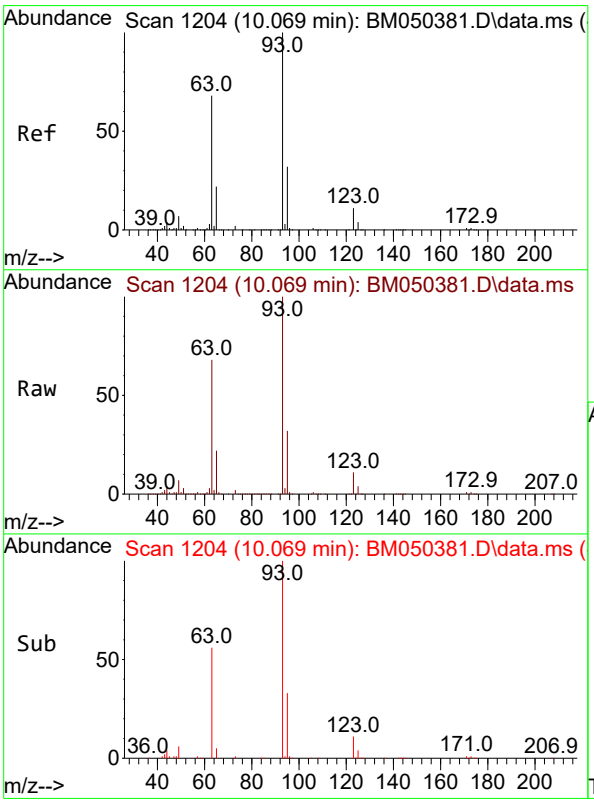

#27
2,4-Dimethylphenol
Concen: 39.384 ng
RT: 9.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:122 Resp: 895117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 116.3 | 93.0 | 139.6 |
| 121 | 57.6 | 46.1 | 69.1 |

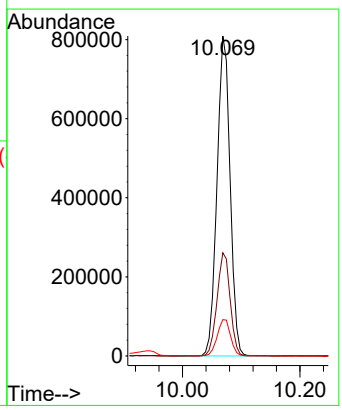


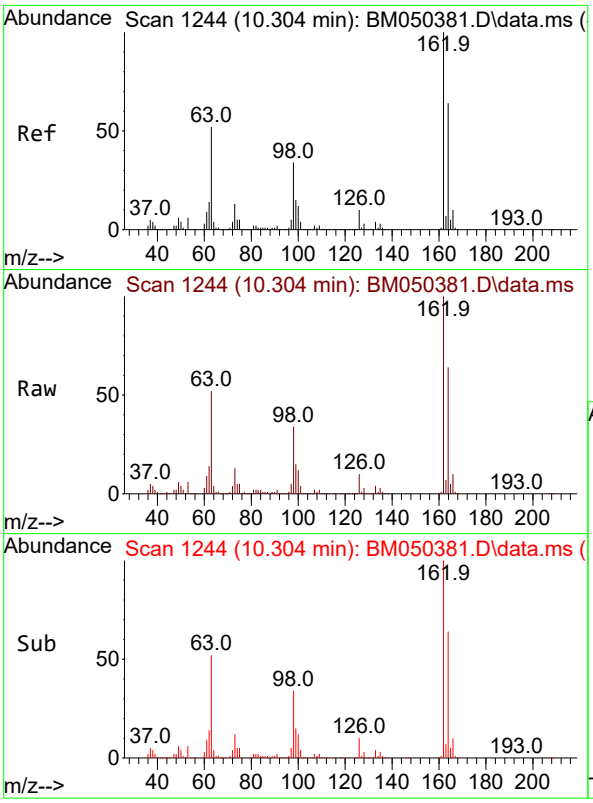




#28
bis(2-Chloroethoxy)methane
Concen: 39.577 ng
RT: 10.069 min Scan# 1204
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 93 Resp: 1249755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.2 | 25.8 | 38.6 |
| 123 | 11.4 | 9.1 | 13.7 |



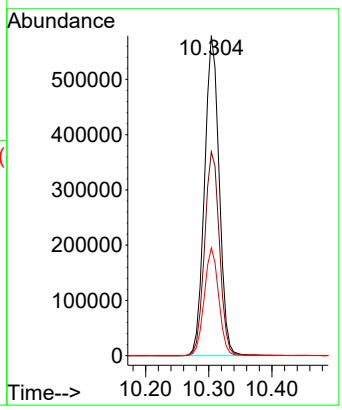


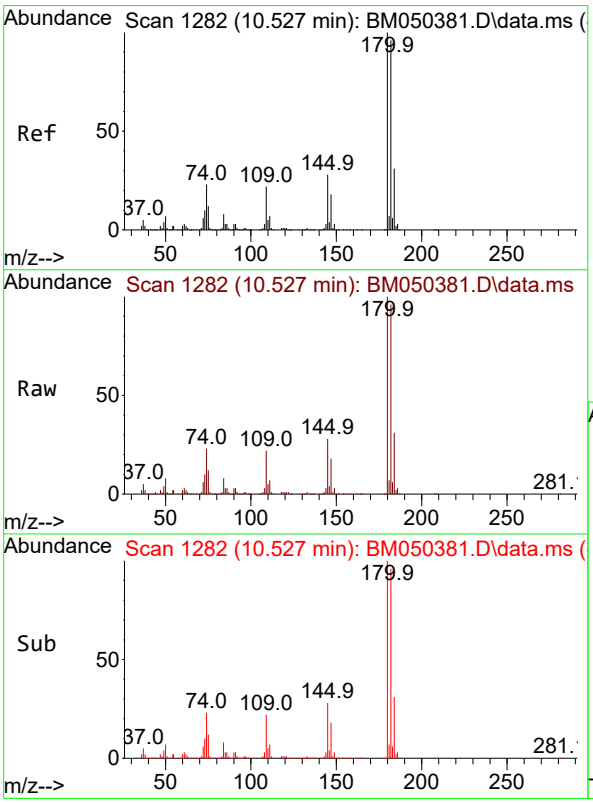

#29
2,4-Dichlorophenol
Concen: 40.040 ng
RT: 10.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:162 Resp: 934922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.7 | 43.7 | 83.7 |
| 98 | 33.7 | 13.7 | 53.7 |

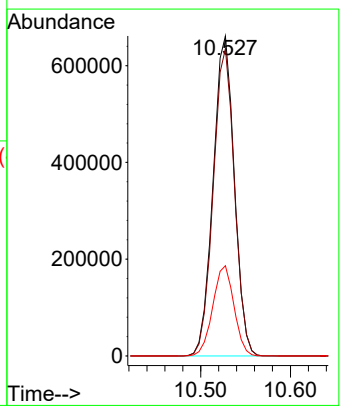


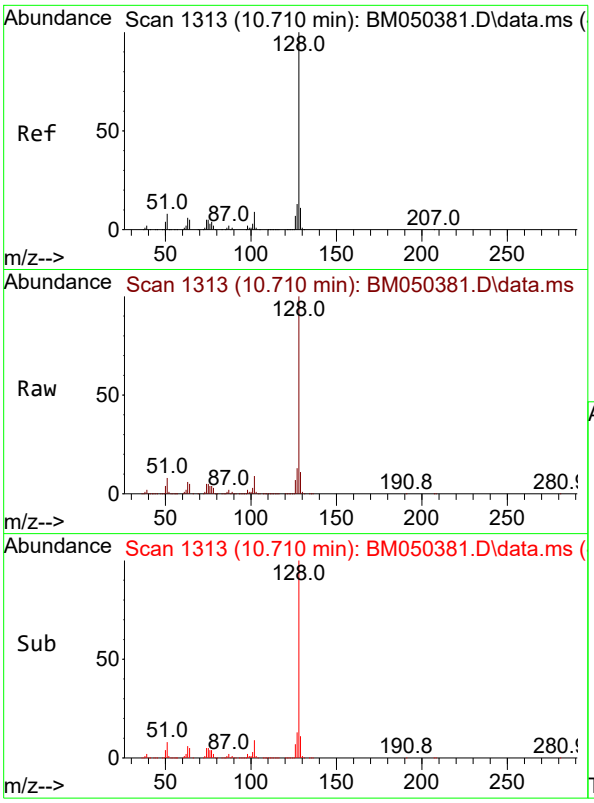




#30
1,2,4-Trichlorobenzene
Concen: 38.850 ng
RT: 10.527 min Scan# 1282
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:180 Resp: 1085193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 76.8 | 115.2 |
| 145 | 28.2 | 22.6 | 33.8 |



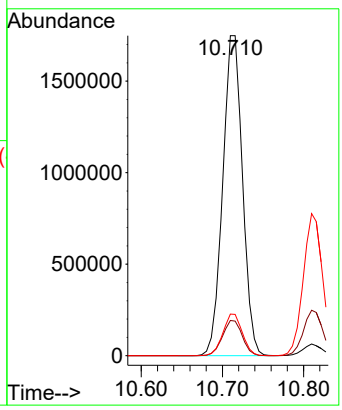


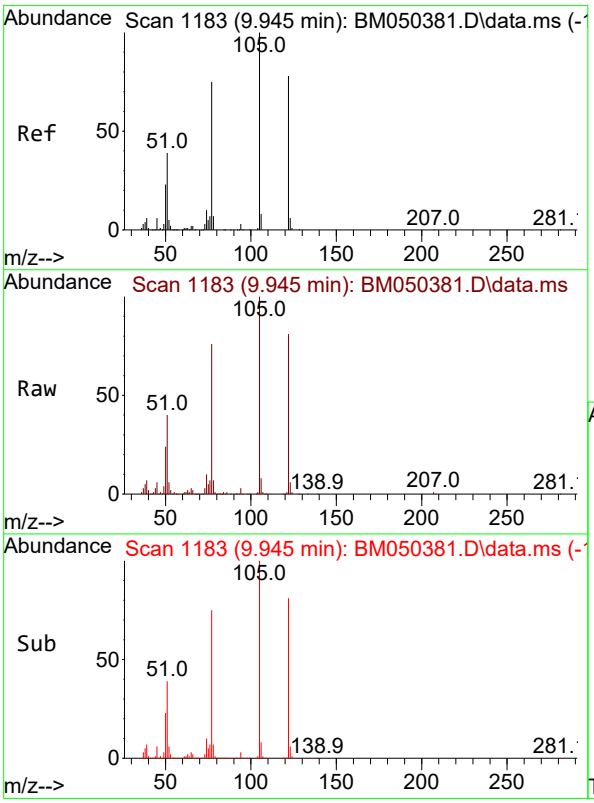

#31
Naphthalene
Concen: 38.905 ng
RT: 10.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:128 Resp: 2960809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.8 | 13.2 |
| 127 | 13.0 | 10.4 | 15.6 |

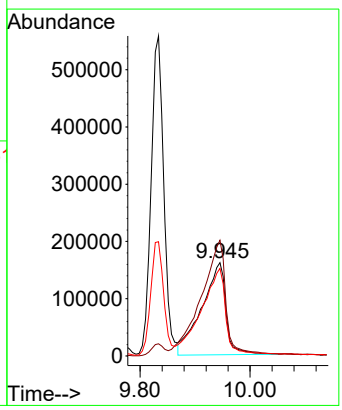


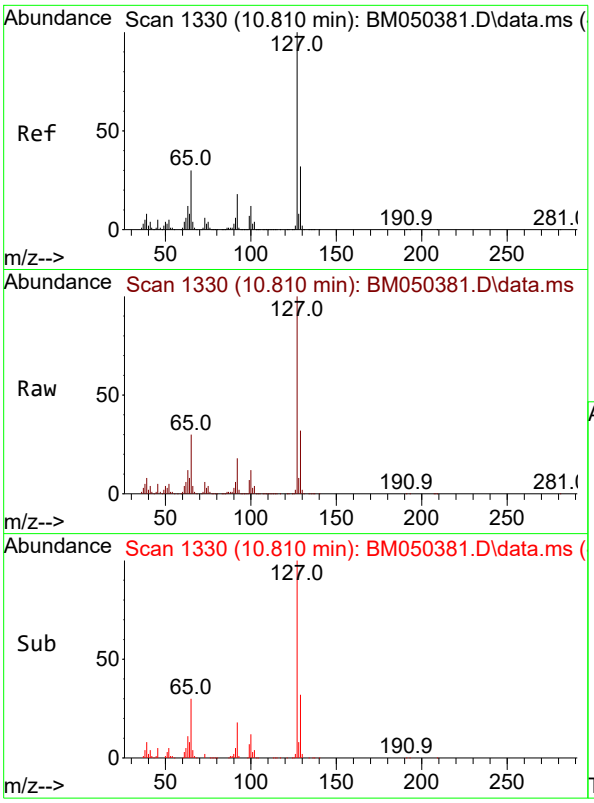




#32
Benzoic acid
Concen: 36.793 ng
RT: 9.945 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:122 Resp: 491059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.0 | 104.0 | 144.0 |
| 77 | 93.8 | 73.8 | 113.8 |



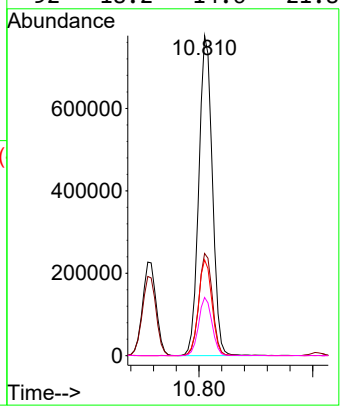


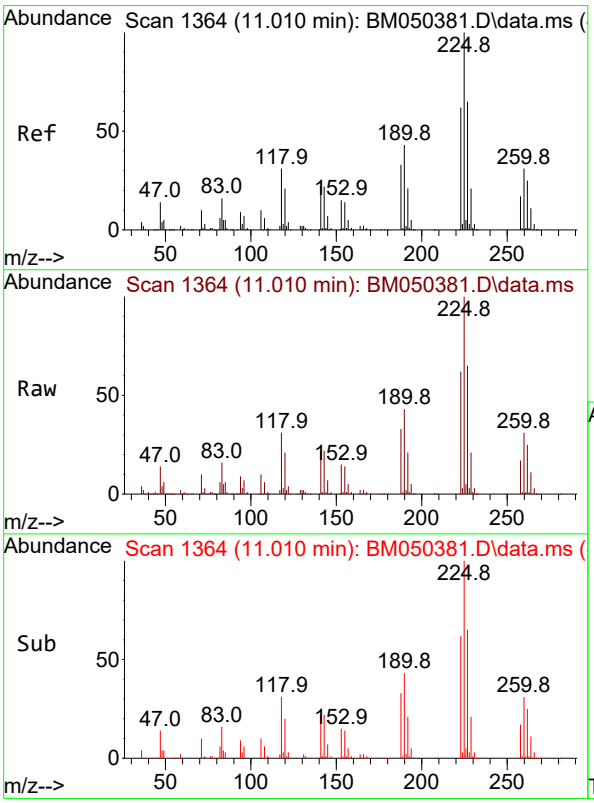

#33
4-Chloroaniline
Concen: 39.947 ng
RT: 10.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:127 Resp: 1285226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.9 | 25.5 | 38.3 |
| 65 | 29.9 | 23.9 | 35.9 |
| 92 | 18.2 | 14.6 | 21.8 |

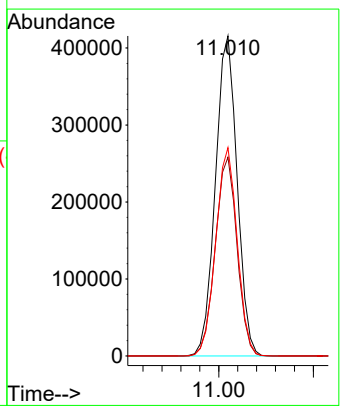


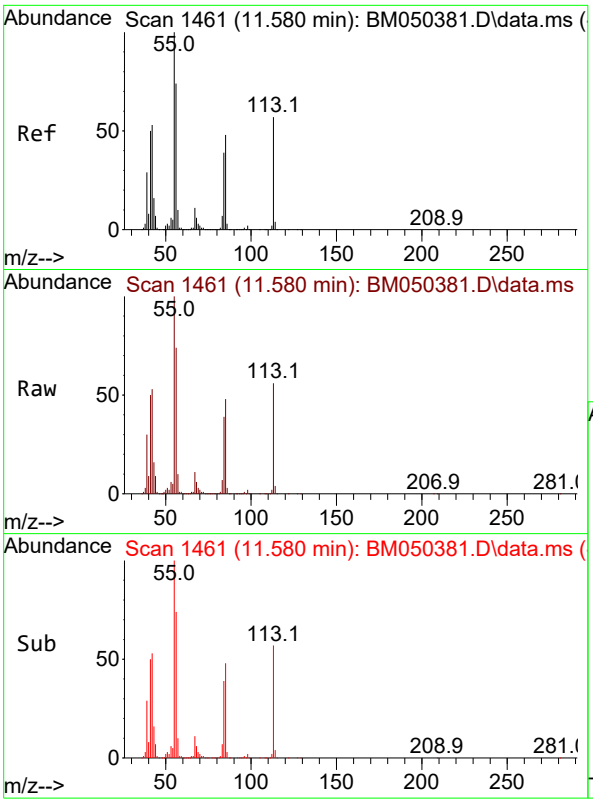




#34
Hexachlorobutadiene
Concen: 38.844 ng
RT: 11.010 min Scan# 1364
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:225 Resp: 662229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.1 | 49.7 | 74.5 |
| 227 | 65.1 | 52.1 | 78.1 |



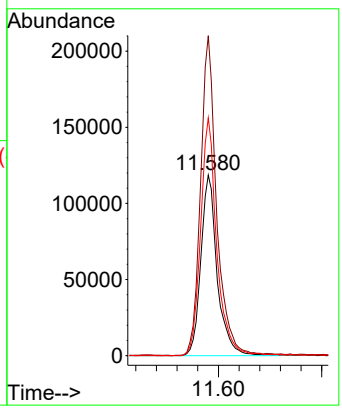


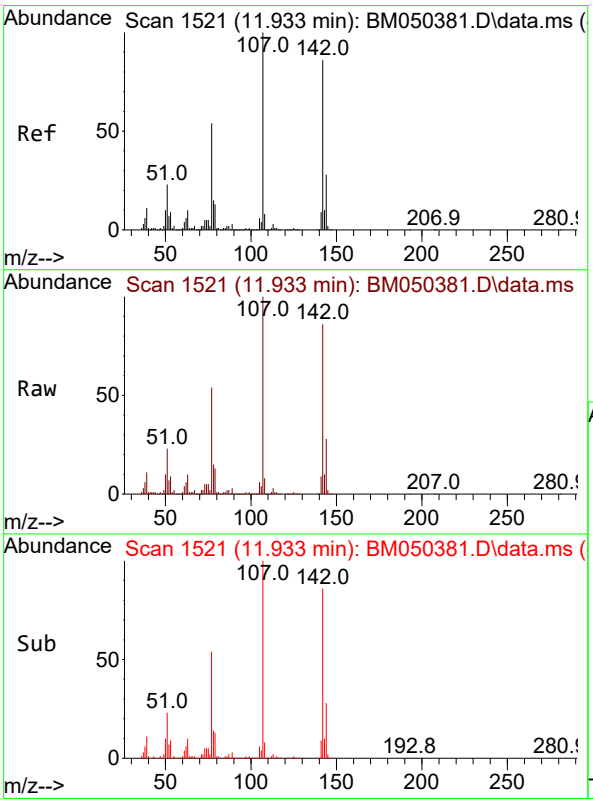

#35
Caprolactam
Concen: 40.791 ng
RT: 11.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:113 Resp: 260010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 177.2 | 157.2 | 197.2 |
| 56 | 131.7 | 111.7 | 151.7 |

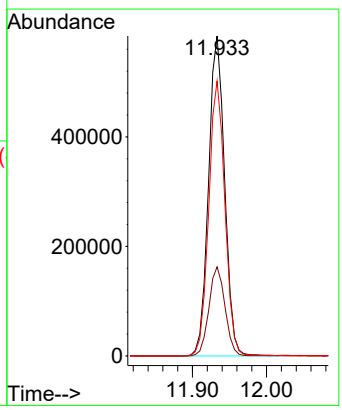


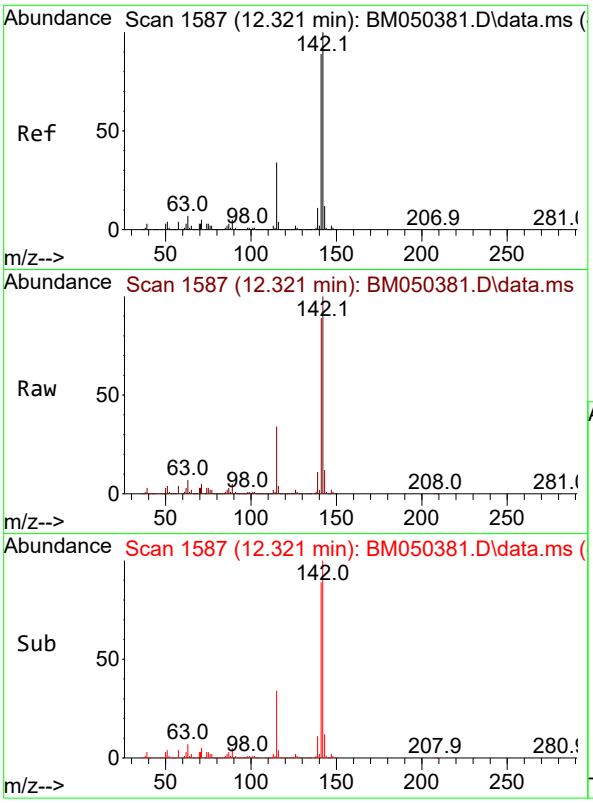




#36
4-Chloro-3-methylphenol
Concen: 40.538 ng
RT: 11.933 min Scan# 1521
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:107 Resp: 883903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 27.8 | 22.2 | 33.4 |
| 142 | 85.9 | 68.7 | 103.1 |



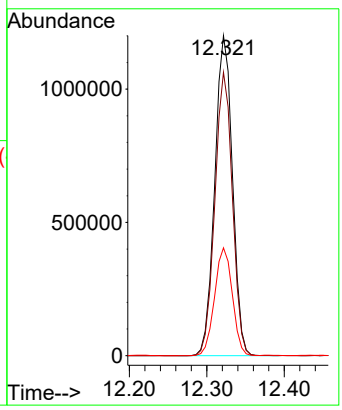


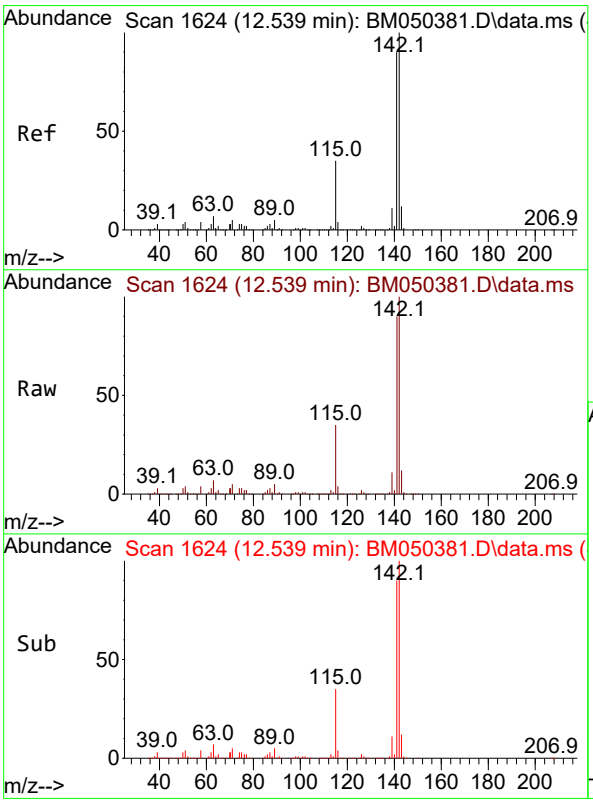

#37
2-Methylnaphthalene
Concen: 39.576 ng
RT: 12.321 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:142 Resp: 1901706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.5 | 70.8 | 106.2 |
| 115 | 33.7 | 27.0 | 40.4 |

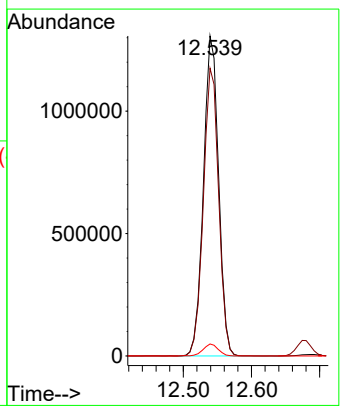


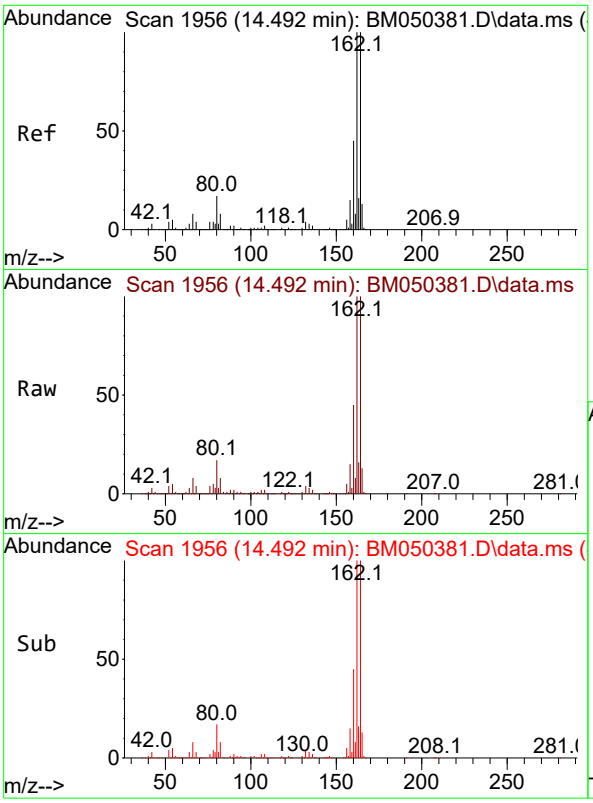




#38
1-Methylnaphthalene
Concen: 39.665 ng
RT: 12.539 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:142 Resp: 2017118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.9 | 71.9 | 107.9 |
| 116 | 3.8 | 3.0 | 4.6 |



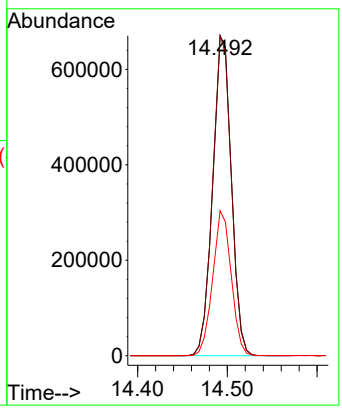


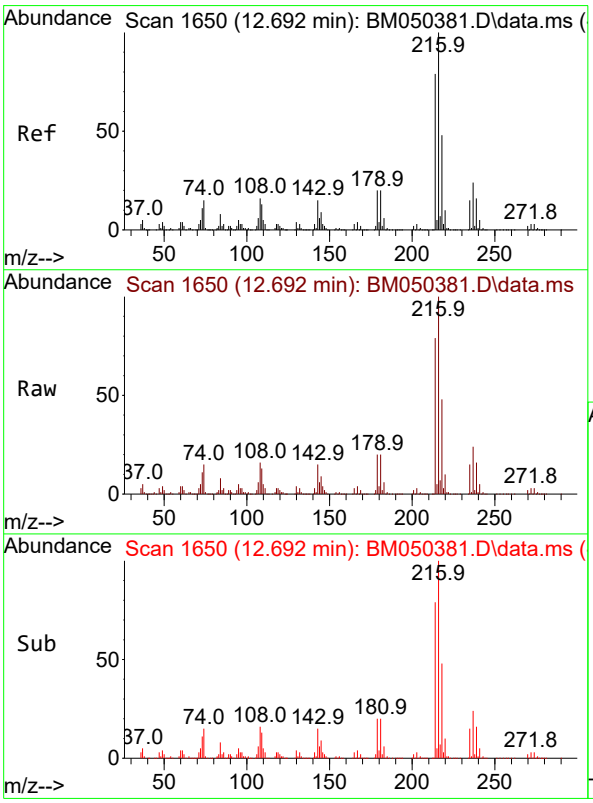

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:164 Resp: 967077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.9 | 79.9 | 119.9 |
| 160 | 45.3 | 36.2 | 54.4 |

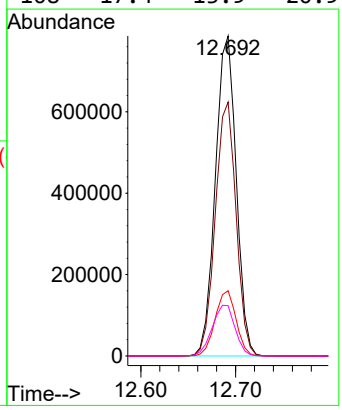


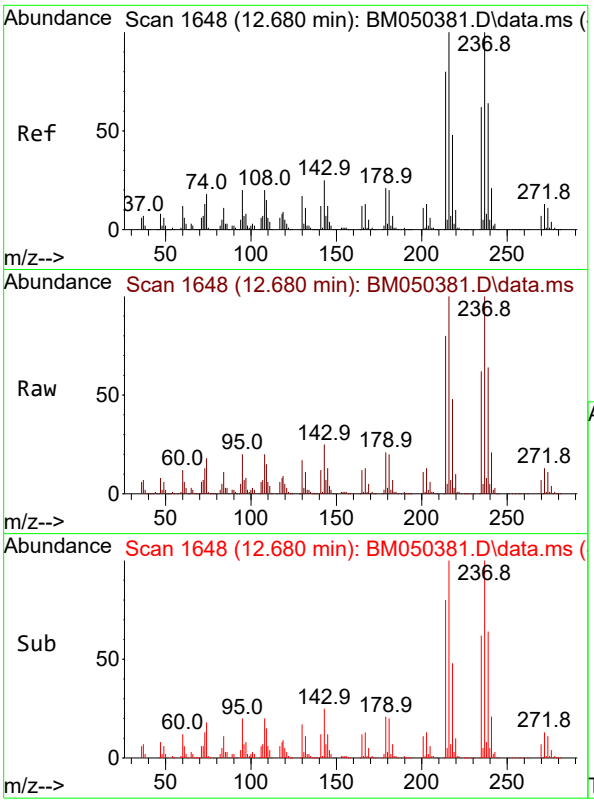




#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.134 ng
RT: 12.692 min Scan# 1650
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:216 Resp: 1203524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.1 | 63.3 | 94.9 |
| 179 | 20.5 | 16.4 | 24.6 |
| 108 | 17.4 | 13.9 | 20.9 |



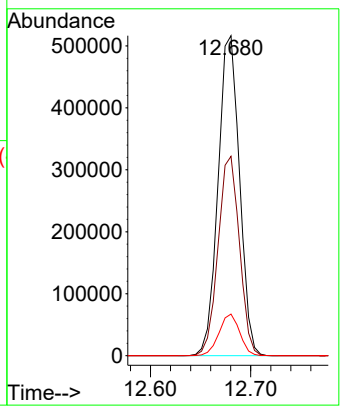


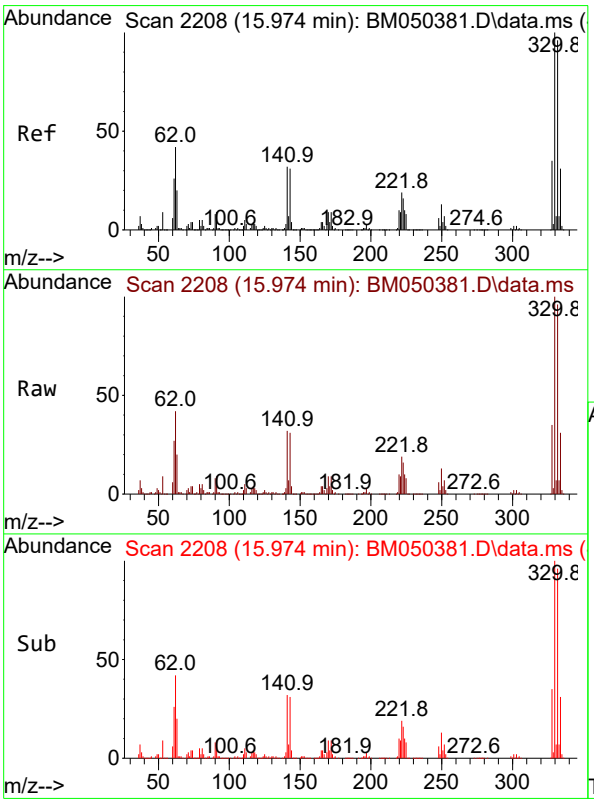

#41
Hexachlorocyclopentadiene
Concen: 38.951 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:237 Resp: 765708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.3 | 42.3 | 82.3 |
| 272 | 13.0 | 0.0 | 33.0 |

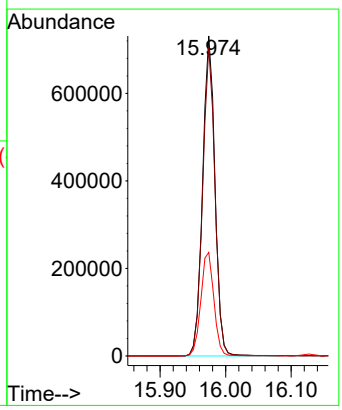


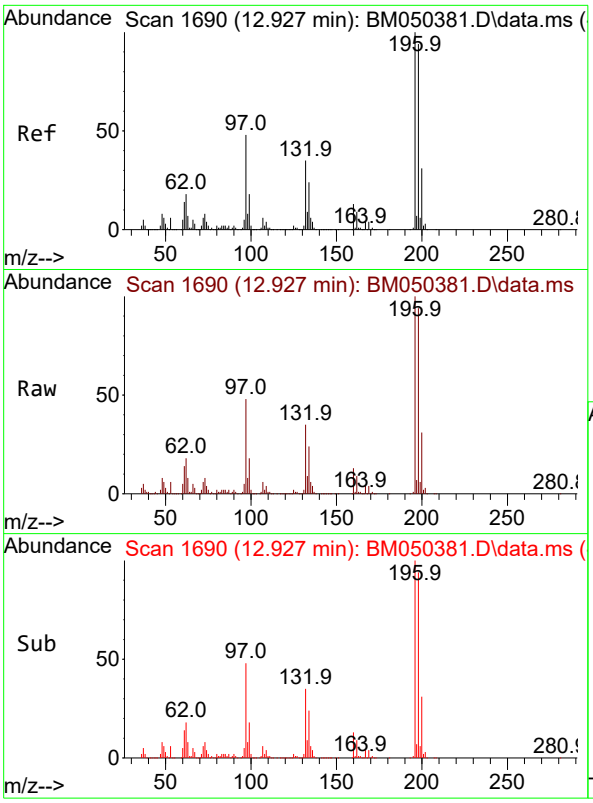




#42
2,4,6-Tribromophenol
Concen: 81.797 ng
RT: 15.974 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:330 Resp: 961125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 76.9 | 115.3 |
| 141 | 34.2 | 27.4 | 41.0 |



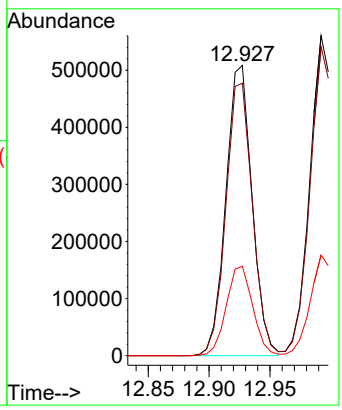


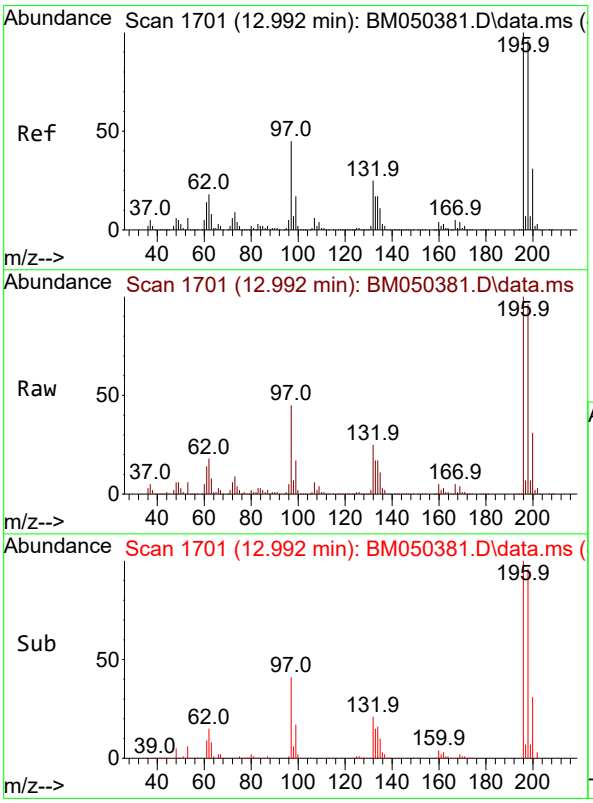

#43
2,4,6-Trichlorophenol
Concen: 40.252 ng
RT: 12.927 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:196 Resp: 761982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 93.9 | 75.1 | 112.7 |
| 200 | 30.8 | 24.6 | 37.0 |

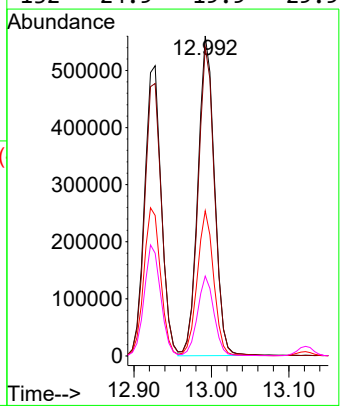


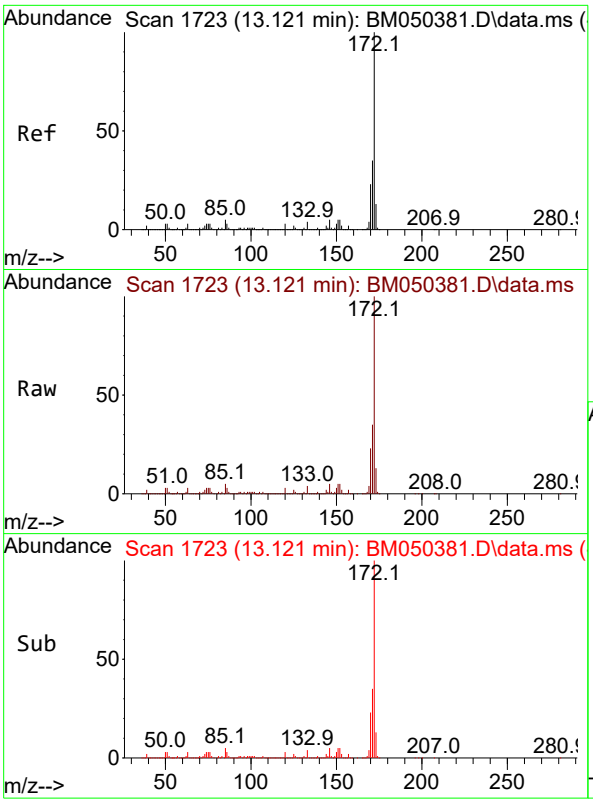




#44
2,4,5-Trichlorophenol
Concen: 40.202 ng
RT: 12.992 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:196 Resp: 831142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.5 | 77.2 | 115.8 |
| 97 | 45.3 | 36.2 | 54.4 |
| 132 | 24.9 | 19.9 | 29.9 |



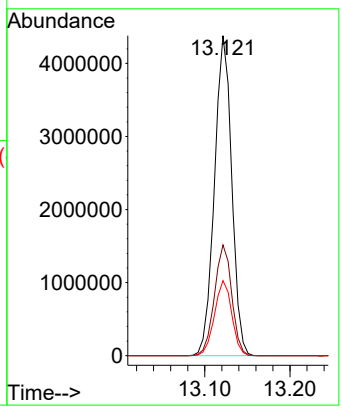


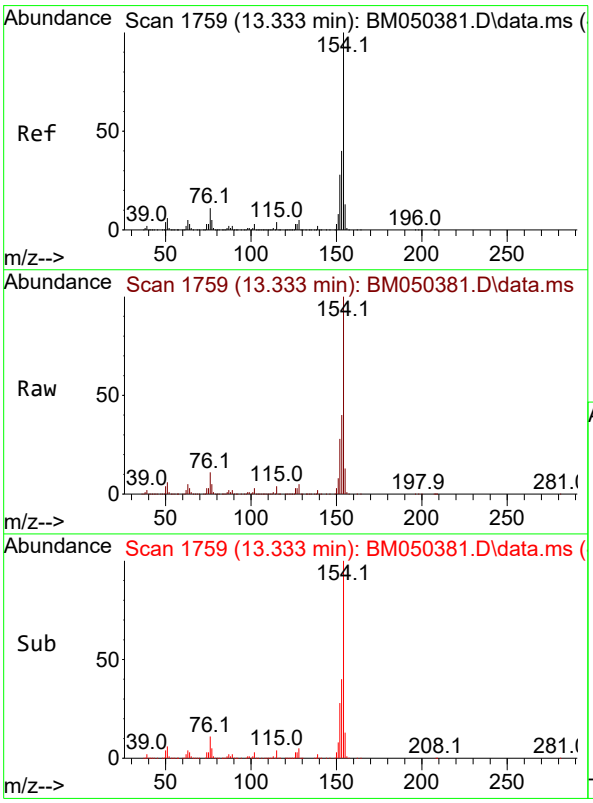

#45
2-Fluorobiphenyl
Concen: 78.635 ng
RT: 13.121 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:172 Resp: 6157884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.6 | 27.7 | 41.5 |
| 170 | 23.5 | 18.8 | 28.2 |

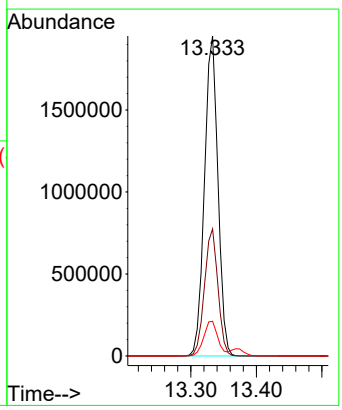


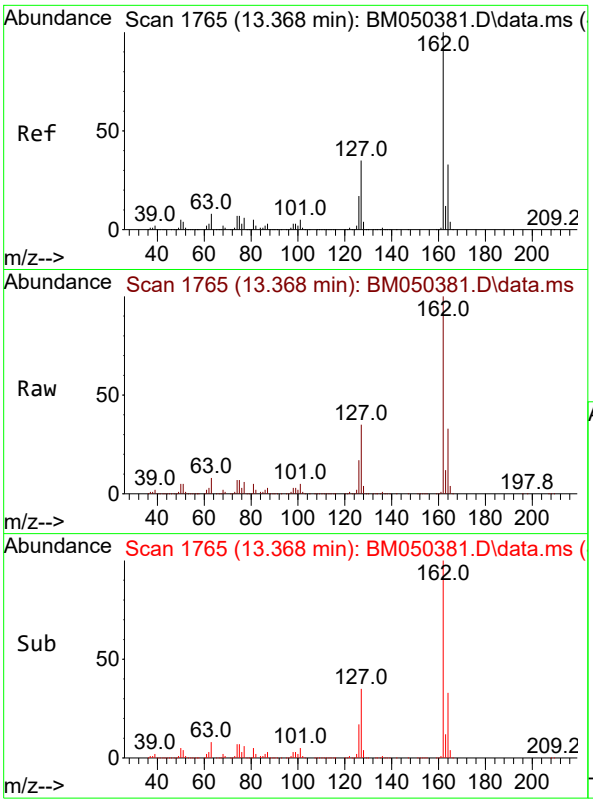




#46
1,1'-Biphenyl
Concen: 38.832 ng
RT: 13.333 min Scan# 1759
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:154 Resp: 2786215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.7 | 19.7 | 59.7 |
| 76 | 10.9 | 0.0 | 30.9 |



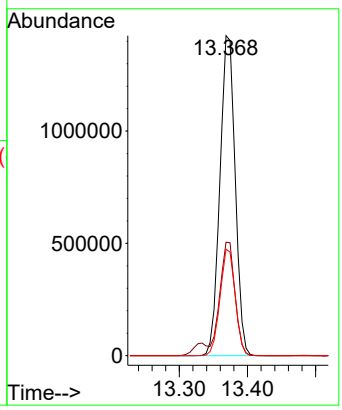


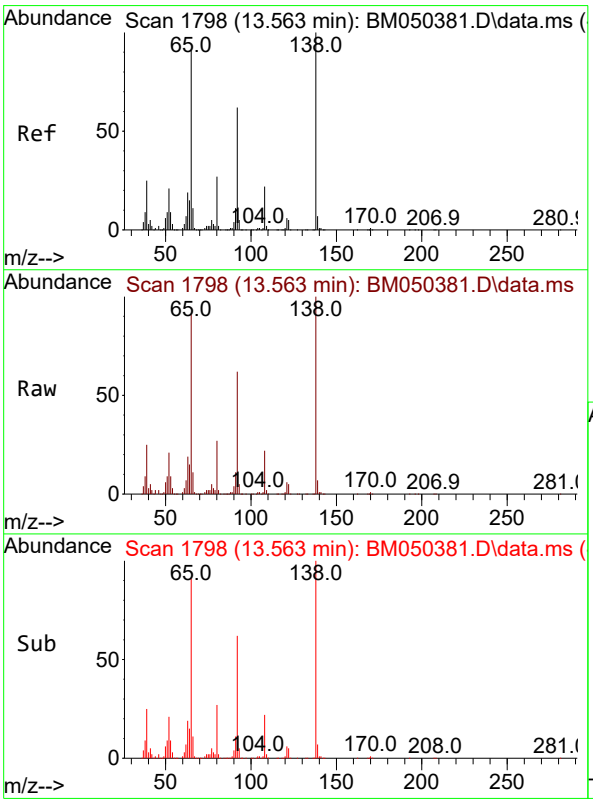

#47
2-Chloronaphthalene
Concen: 38.889 ng
RT: 13.368 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:162 Resp: 2224727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 35.4 | 28.3 | 42.5 |
| 164 | 33.3 | 26.6 | 40.0 |

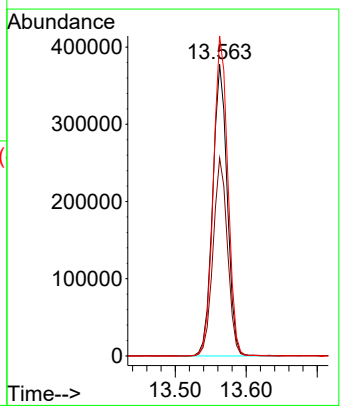


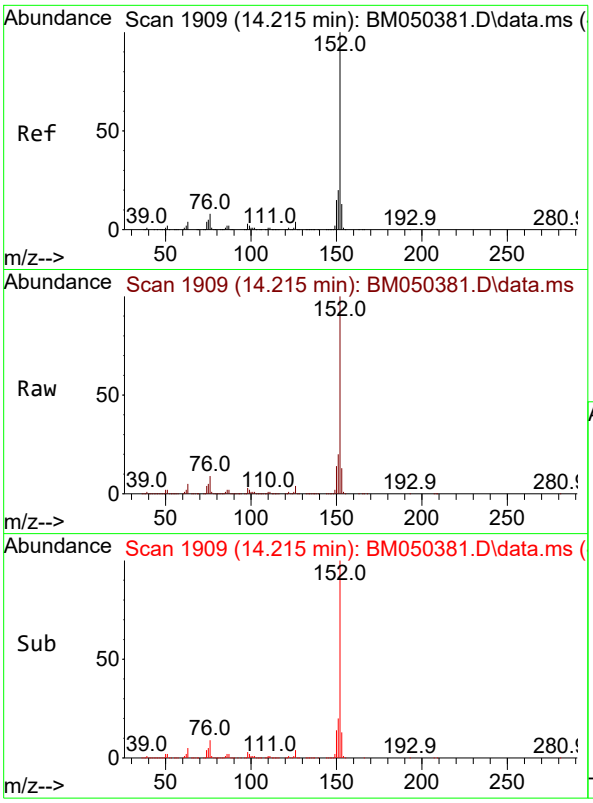




#48
2-Nitroaniline
Concen: 42.165 ng
RT: 13.563 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 65 Resp: 538415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 67.9 | 54.3 | 81.5 |
| 138 | 109.7 | 87.8 | 131.6 |



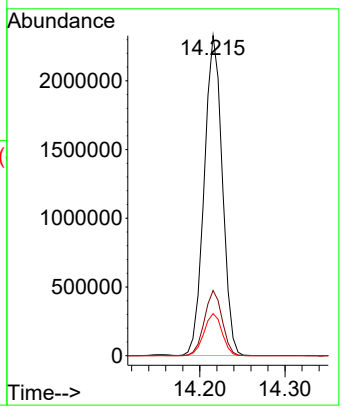


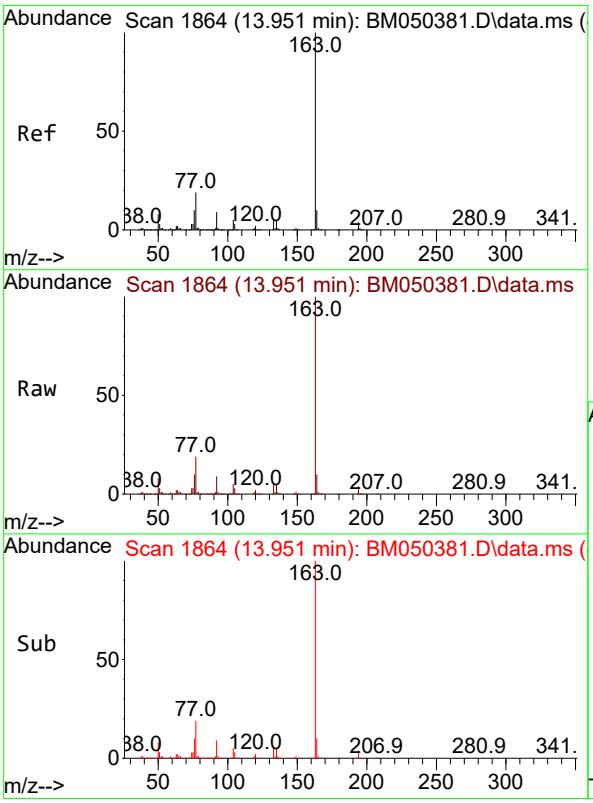

#49
Acenaphthylene
Concen: 39.714 ng
RT: 14.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:152 Resp: 3433586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.4 | 16.3 | 24.5 |
| 153 | 13.2 | 10.6 | 15.8 |

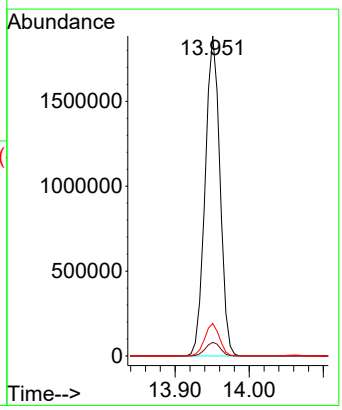


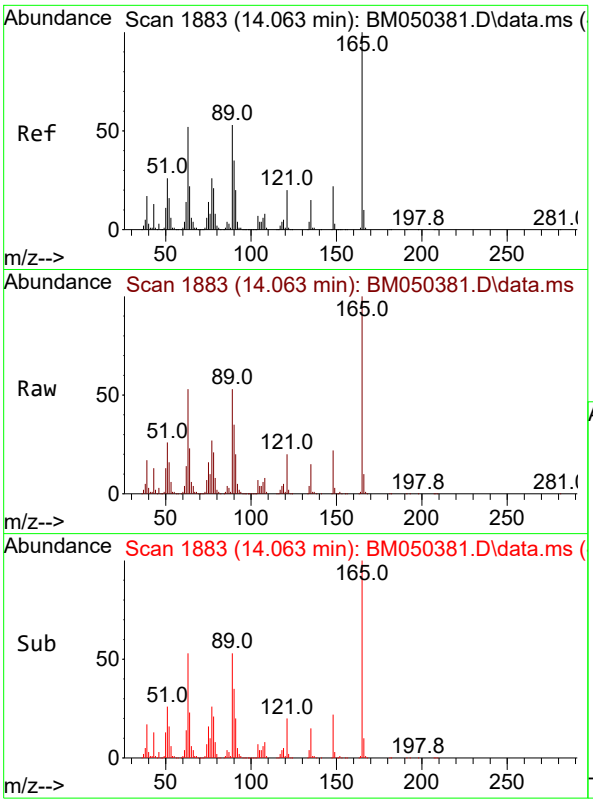




#50
Dimethylphthalate
Concen: 39.248 ng
RT: 13.951 min Scan# 1864
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:163 Resp: 2613190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.2 |
| 164 | 10.2 | 8.2 | 12.2 |



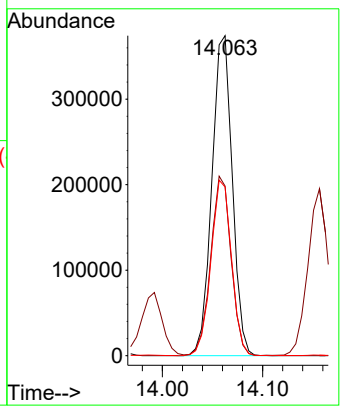


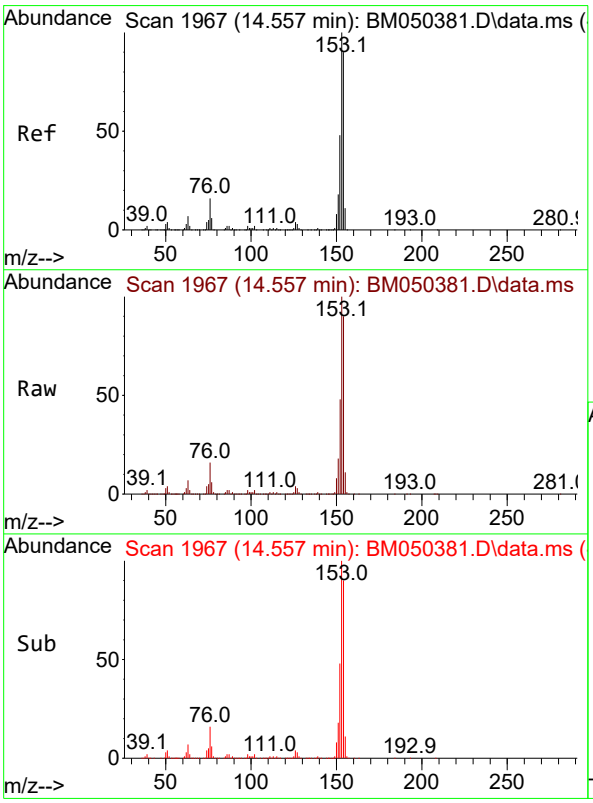

#51
2,6-Dinitrotoluene
Concen: 41.362 ng
RT: 14.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:165 Resp: 528767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.0 | 42.4 | 63.6 |
| 89 | 52.7 | 42.2 | 63.2 |

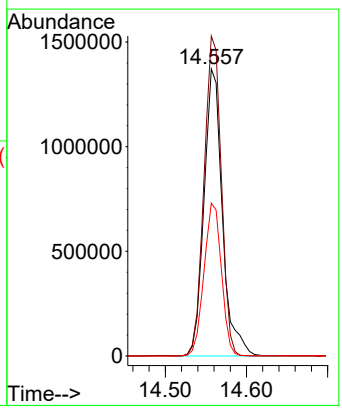


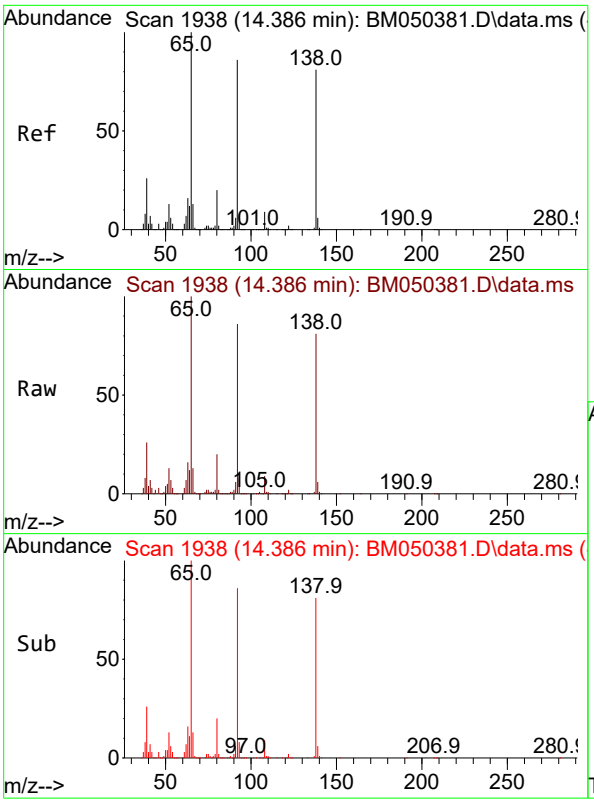




#52
Acenaphthene
Concen: 39.080 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:154 Resp: 2148079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.5 | 89.2 | 133.8 |
| 152 | 53.3 | 42.6 | 64.0 |



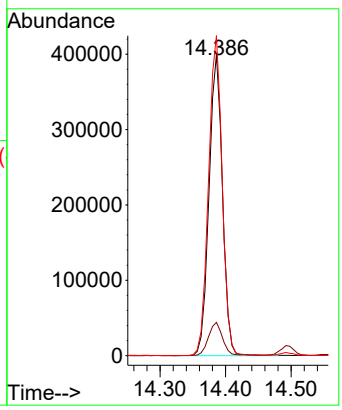


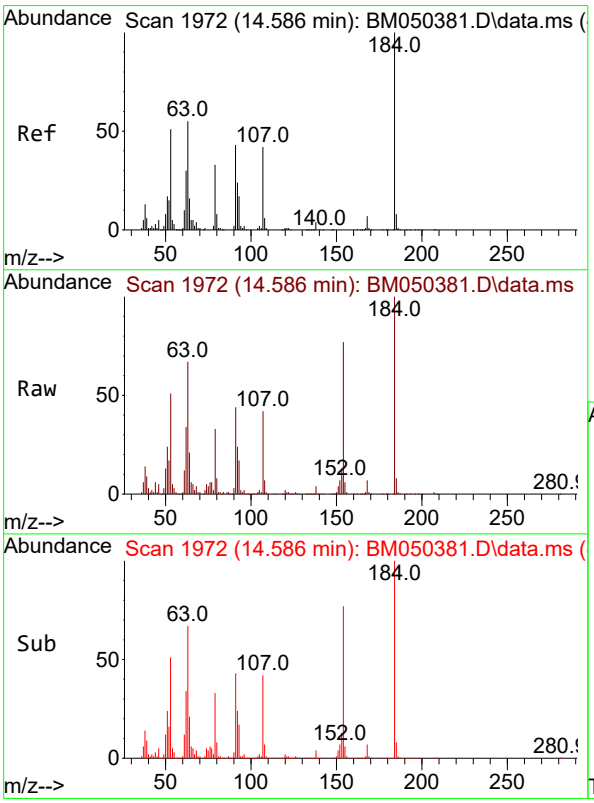

#53
3-Nitroaniline
Concen: 41.832 ng
RT: 14.386 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:138 Resp: 568716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.0 | 8.8 | 13.2 |
| 92 | 106.3 | 85.0 | 127.6 |

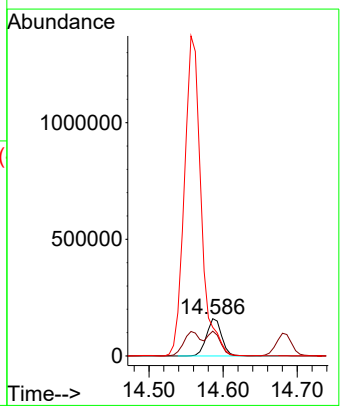


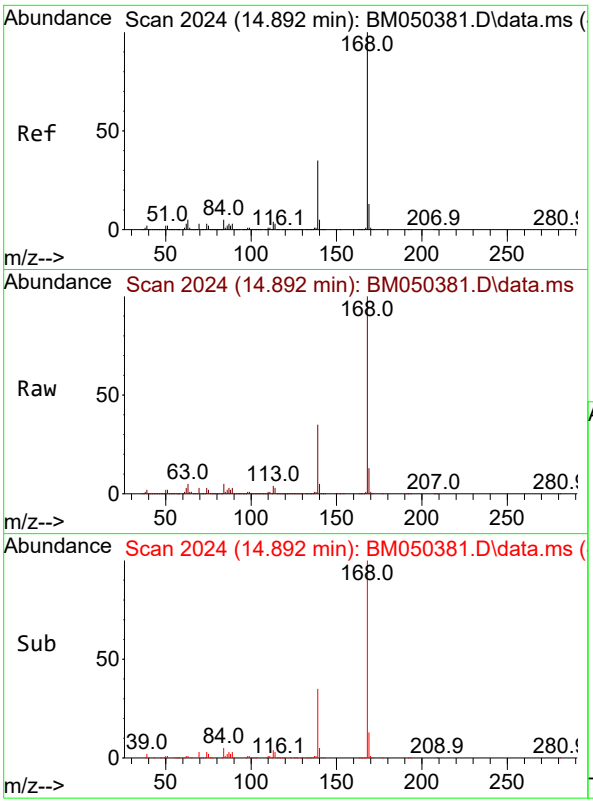




#54
2,4-Dinitrophenol
Concen: 35.873 ng
RT: 14.586 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:184 Resp: 225952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 66.7 | 53.4 | 80.0 |
| 154 | 77.0 | 61.6 | 92.4 |



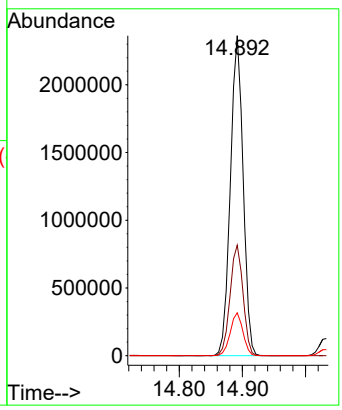


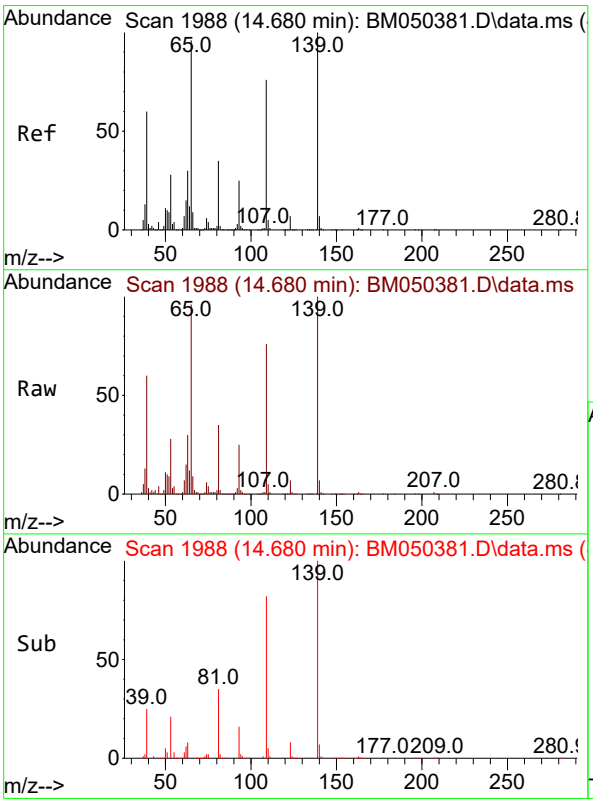

#55
Dibenzofuran
Concen: 39.024 ng
RT: 14.892 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:168 Resp: 3305040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 34.6 | 27.7 | 41.5 |
| 169 | 13.4 | 10.7 | 16.1 |

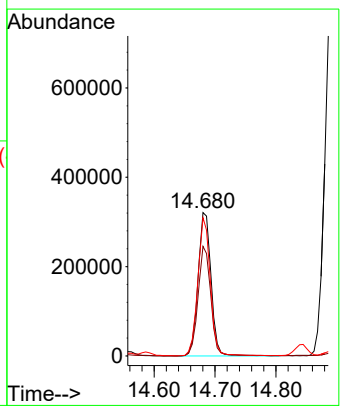


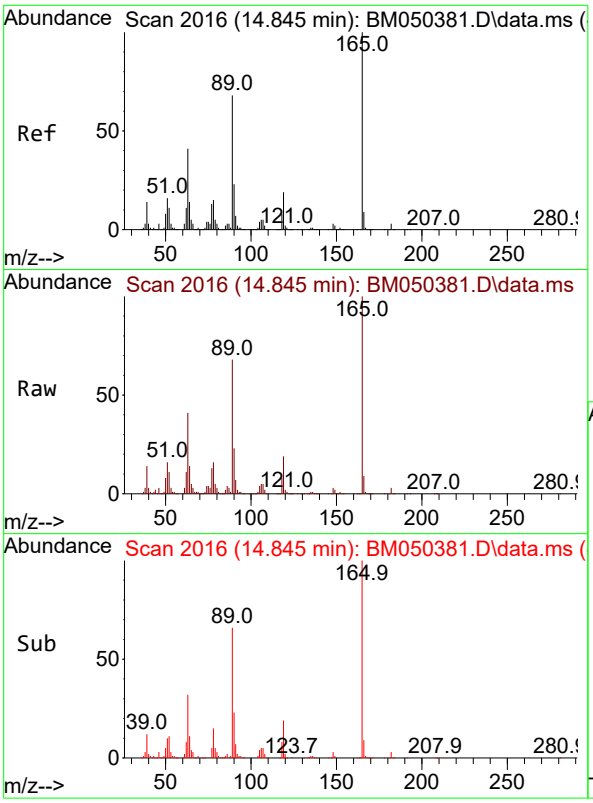




#56
4-Nitrophenol
Concen: 40.504 ng
RT: 14.680 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:139 Resp: 473550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 76.5 | 56.5 | 96.5 |
| 65 | 96.4 | 76.4 | 116.4 |



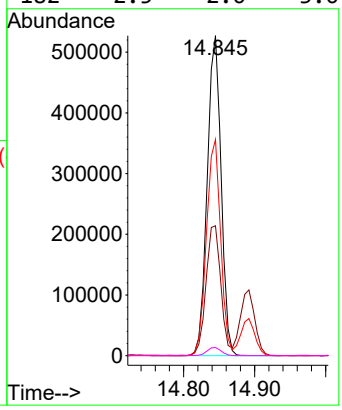


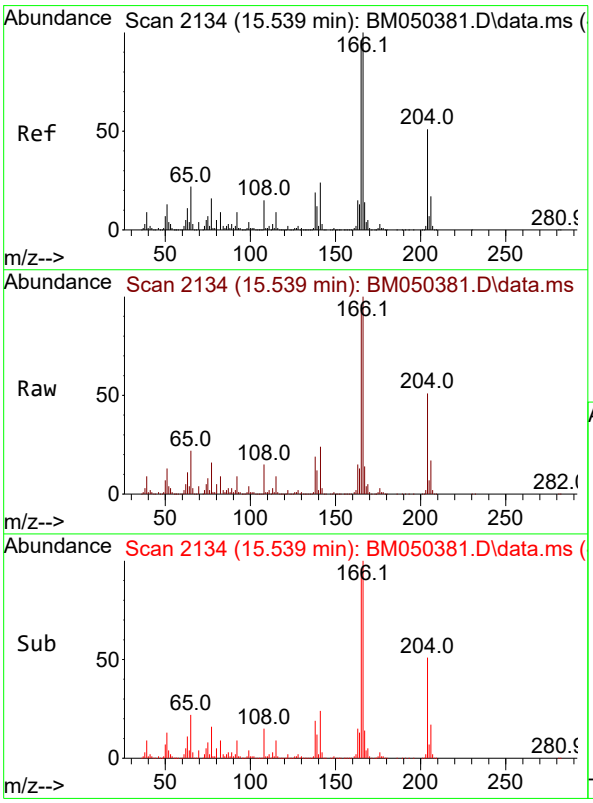

#57
2,4-Dinitrotoluene
Concen: 38.104 ng
RT: 14.845 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:165 Resp: 717807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 40.6 | 32.5 | 48.7 |
| 89 | 67.5 | 54.0 | 81.0 |
| 182 | 2.5 | 2.0 | 3.0 |

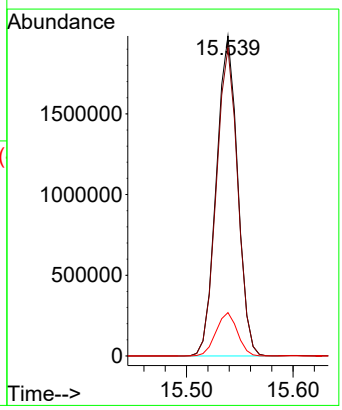


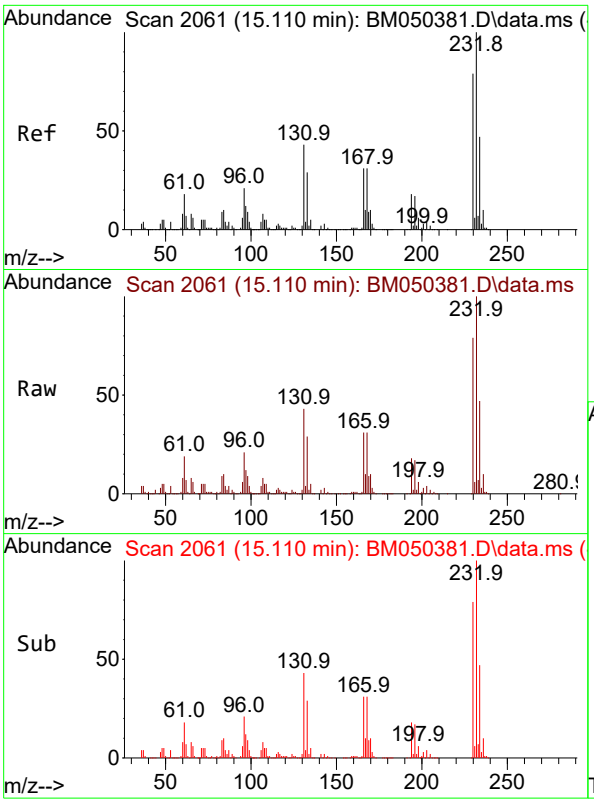




#58
Fluorene
Concen: 39.349 ng
RT: 15.539 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:166 Resp: 2744882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.3 | 77.0 | 115.6 |
| 167 | 13.6 | 10.9 | 16.3 |



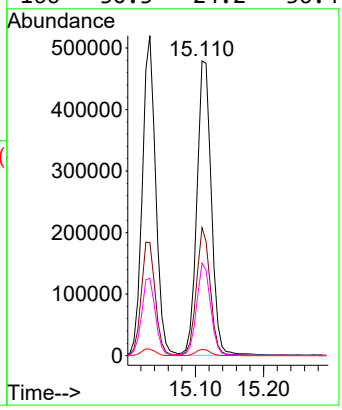


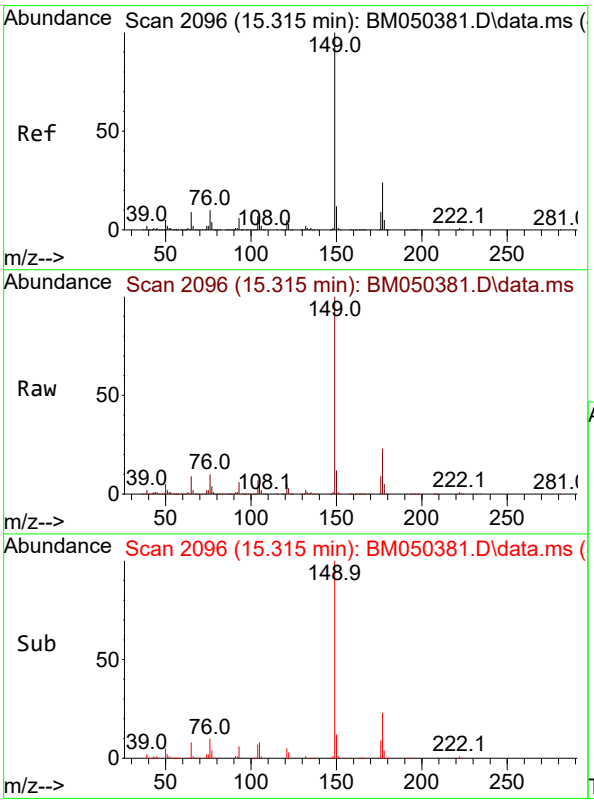

#59
2,3,4,6-Tetrachlorophenol
Concen: 40.512 ng
RT: 15.110 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:232 Resp: 705044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 41.7 | 33.4 | 50.0 |
| 130 | 2.2 | 1.8 | 2.6 |
| 166 | 30.3 | 24.2 | 36.4 |

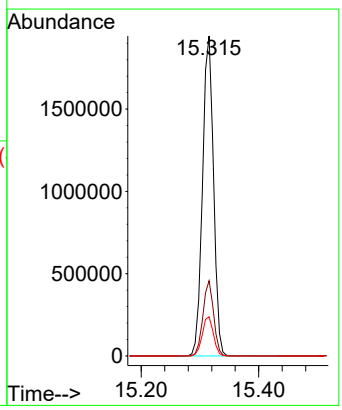


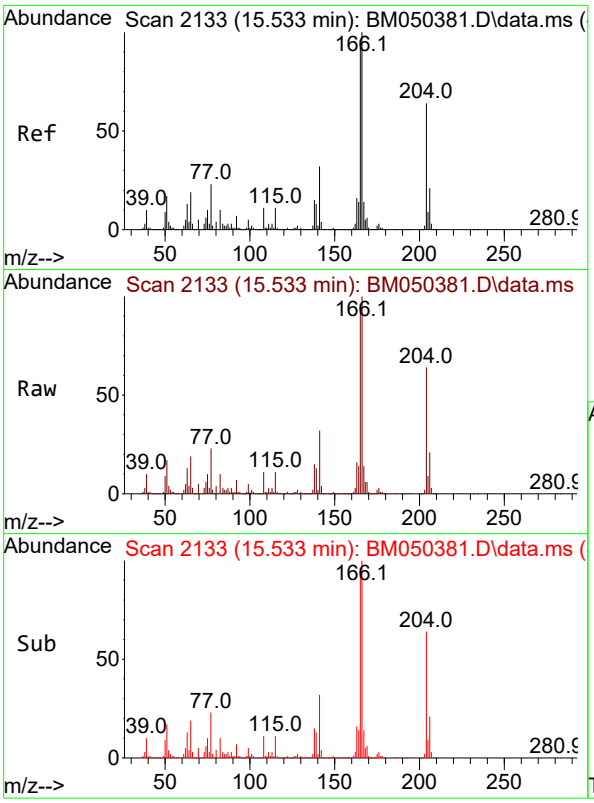




#60
Diethylphthalate
Concen: 39.811 ng
RT: 15.315 min Scan# 2096
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:149 Resp: 2532007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.5 | 18.8 | 28.2 |
| 150 | 12.3 | 9.8 | 14.8 |



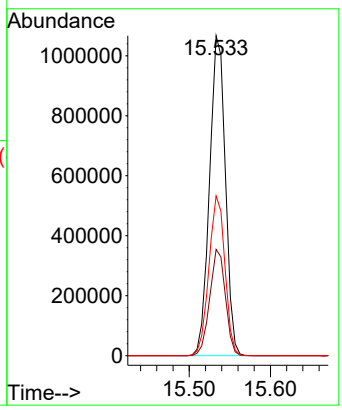


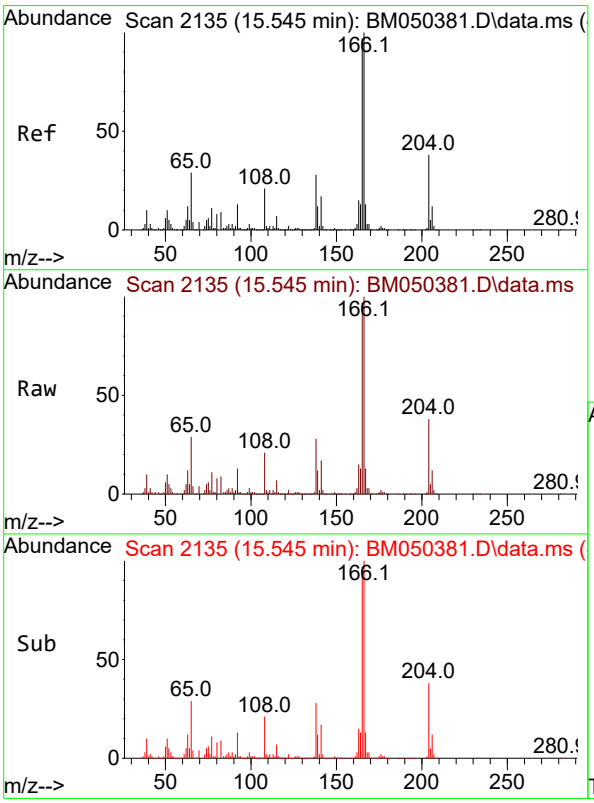

#61
4-Chlorophenyl-phenylether
Concen: 39.586 ng
RT: 15.533 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:204 Resp: 1443937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.2 | 26.6 | 39.8 |
| 141 | 49.9 | 39.9 | 59.9 |

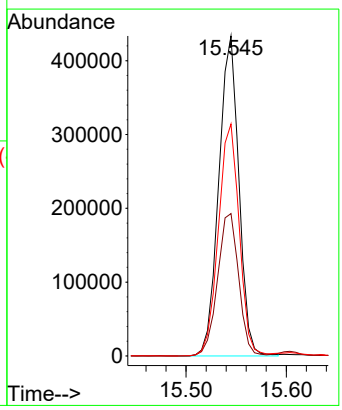


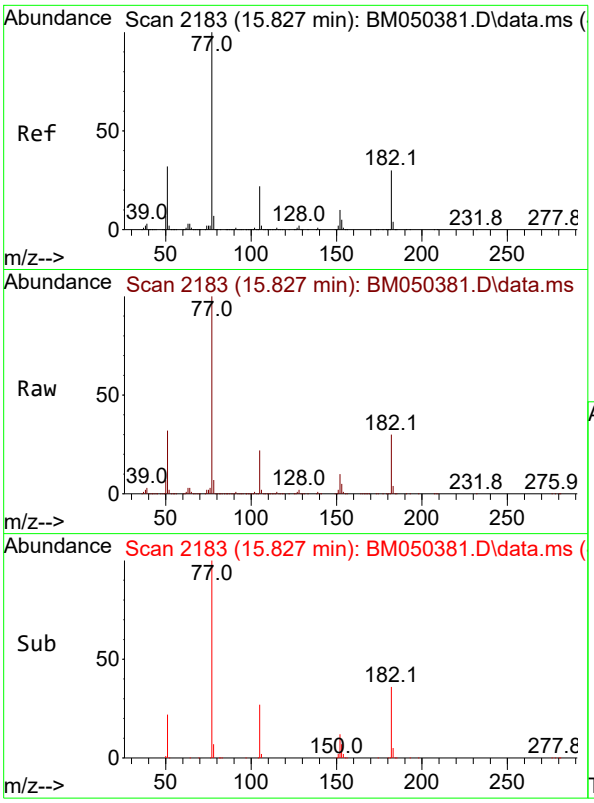




#62
4-Nitroaniline
Concen: 39.043 ng
RT: 15.545 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:138 Resp: 602257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 44.5 | 24.5 | 64.5 |
| 108 | 72.5 | 52.5 | 92.5 |



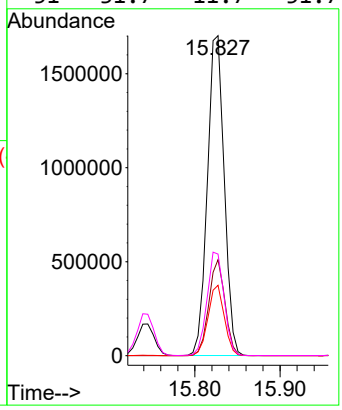


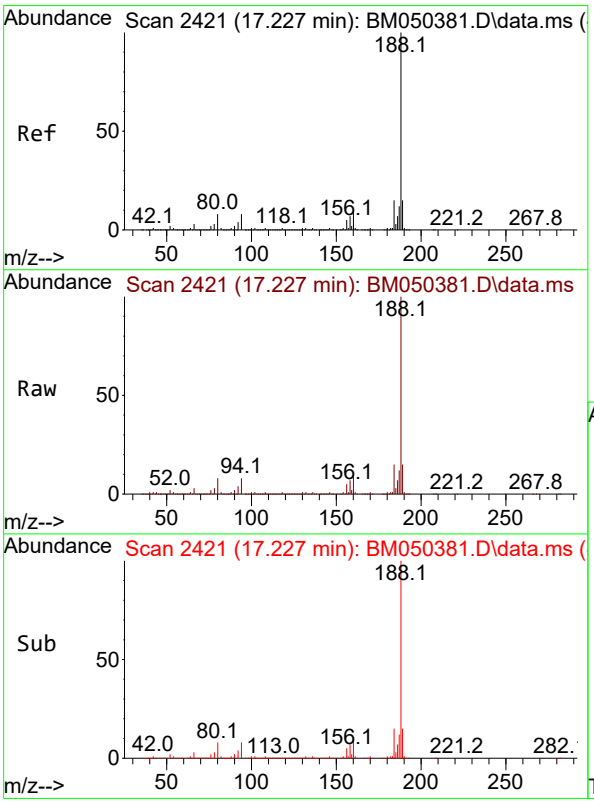

#63
Azobenzene
Concen: 40.021 ng
RT: 15.827 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 77 Resp: 2337291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 30.0 | 10.0 | 50.0 |
| 105 | 22.0 | 2.0 | 42.0 |
| 51 | 31.7 | 11.7 | 51.7 |

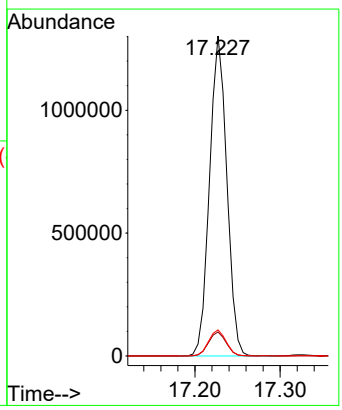


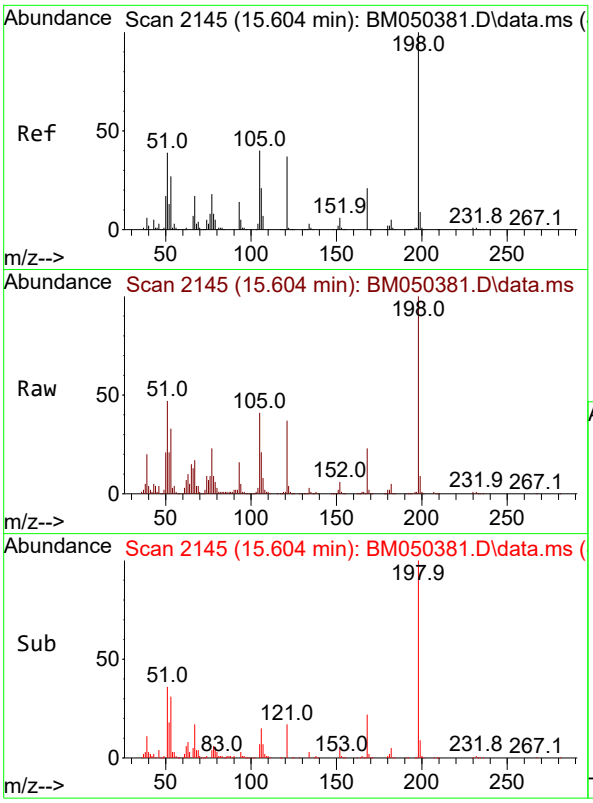




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:188 Resp: 1834050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.5 | 6.0 | 9.0 |
| 80 | 8.1 | 6.5 | 9.7 |



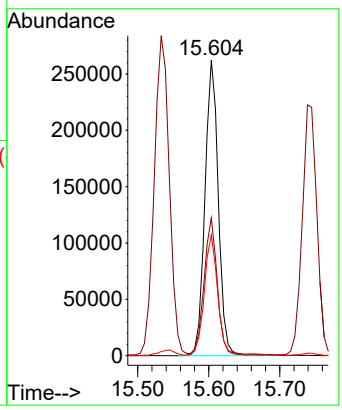


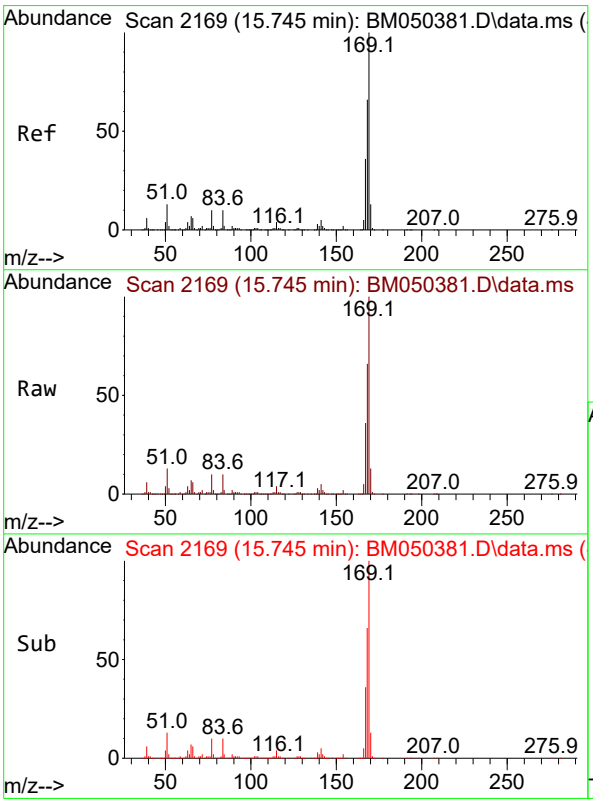

#65
4,6-Dinitro-2-methylphenol
Concen: 36.538 ng
RT: 15.604 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:198 Resp: 343246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 46.6 | 26.6 | 66.6 |
| 105 | 40.9 | 20.9 | 60.9 |

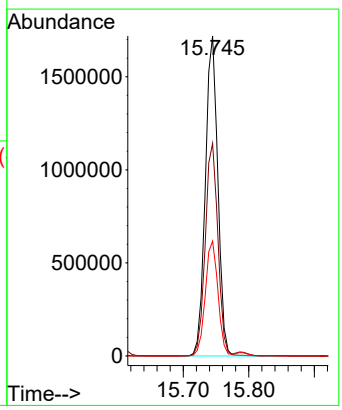


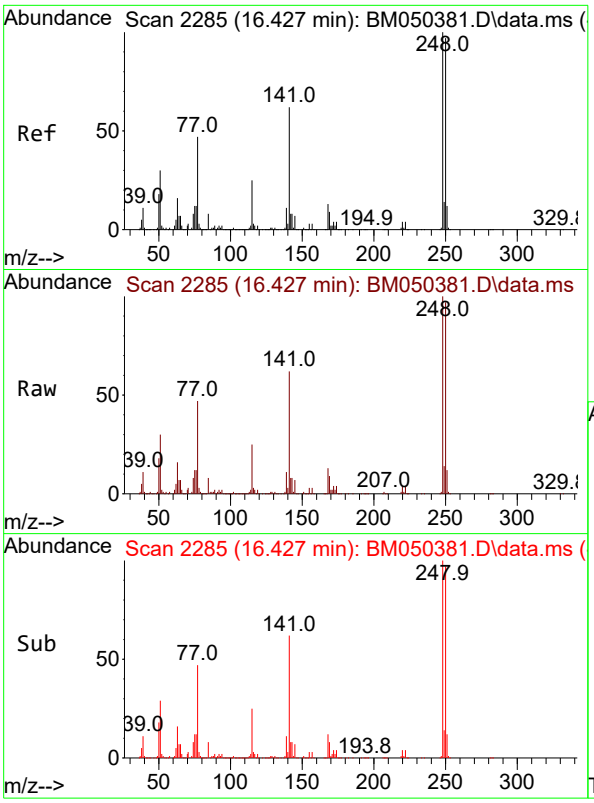




#66
n-Nitrosodiphenylamine
Concen: 39.809 ng
RT: 15.745 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:169 Resp: 2284645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.5 | 53.2 | 79.8 |
| 167 | 35.9 | 28.7 | 43.1 |



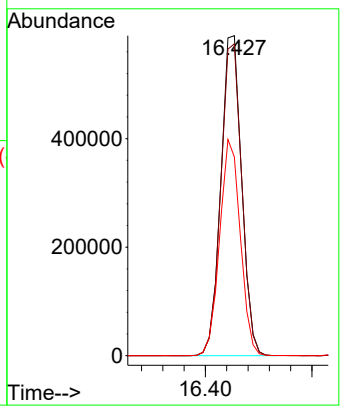


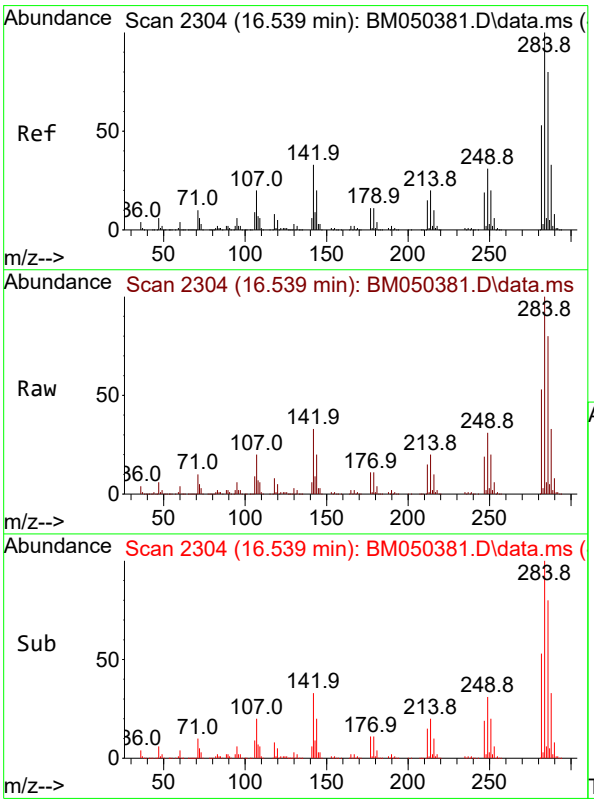

#67
4-Bromophenyl-phenylether
Concen: 39.504 ng
RT: 16.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:248 Resp: 798257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.4 | 77.9 | 116.9 |
| 141 | 62.1 | 49.7 | 74.5 |

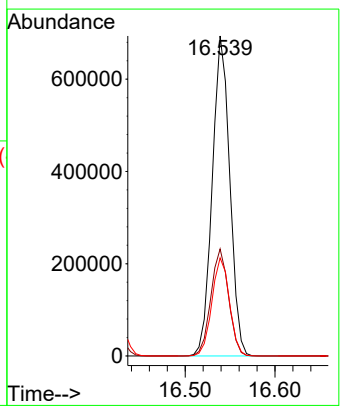


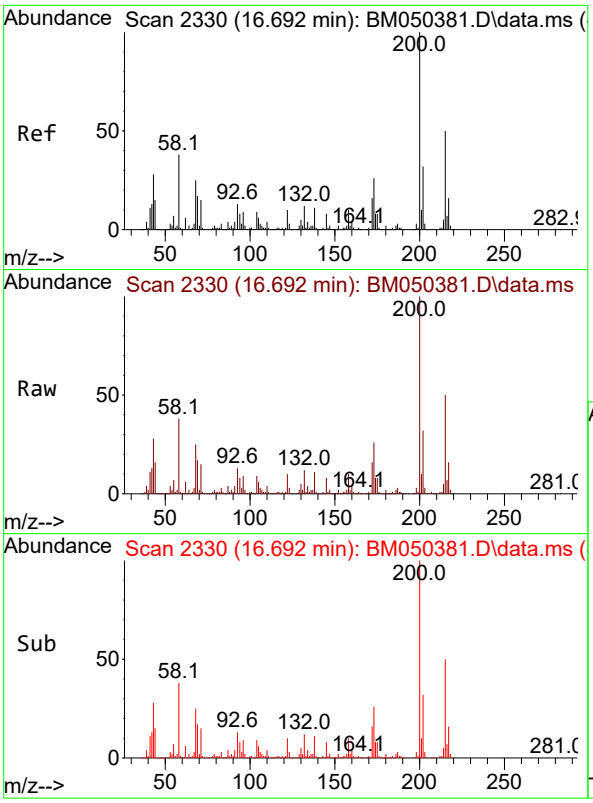




#68
Hexachlorobenzene
Concen: 39.414 ng
RT: 16.539 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:284 Resp: 940659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.5 | 26.8 | 40.2 |
| 249 | 30.6 | 24.5 | 36.7 |



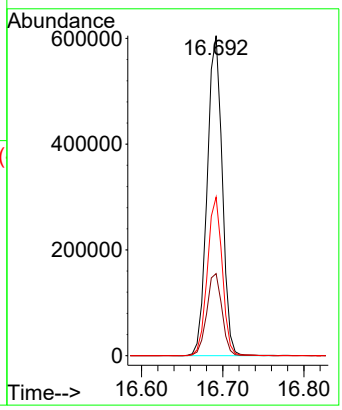


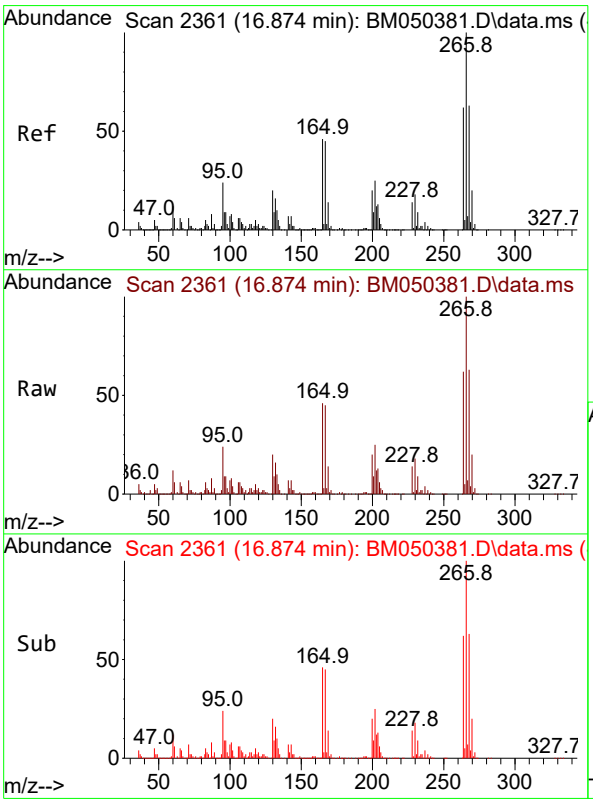

#69
Atrazine
Concen: 41.139 ng
RT: 16.692 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:200 Resp: 775270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.6 | 5.6 | 45.6 |
| 215 | 49.6 | 29.6 | 69.6 |

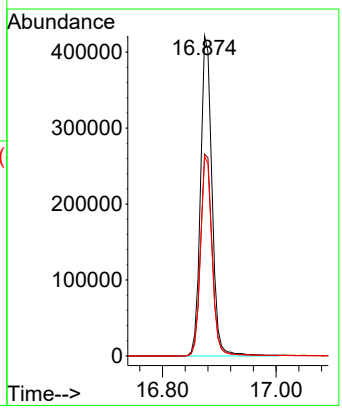


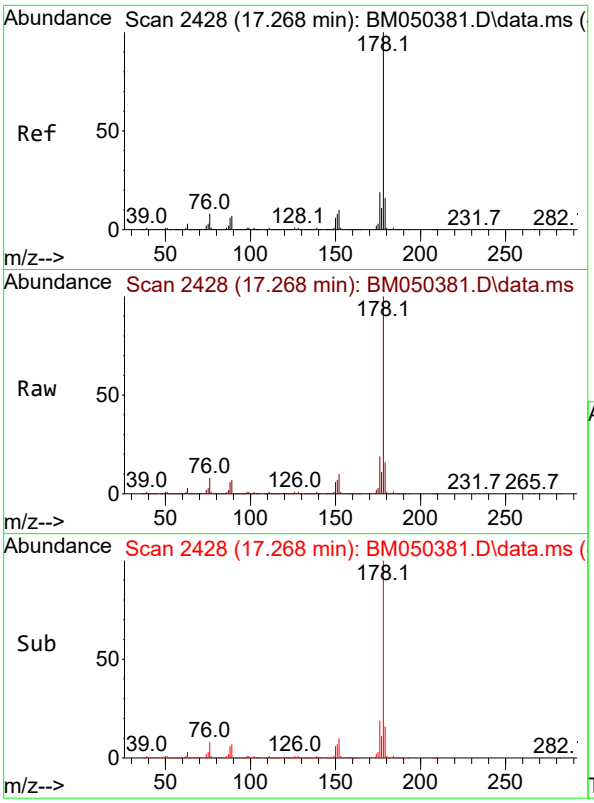




#70
Pentachlorophenol
Concen: 39.717 ng
RT: 16.874 min Scan# 2361
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:266 Resp: 590077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.1 | 50.5 | 75.7 |
| 264 | 62.4 | 49.9 | 74.9 |



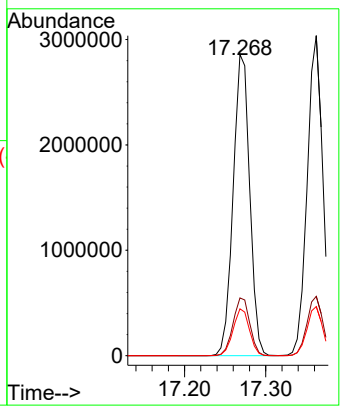


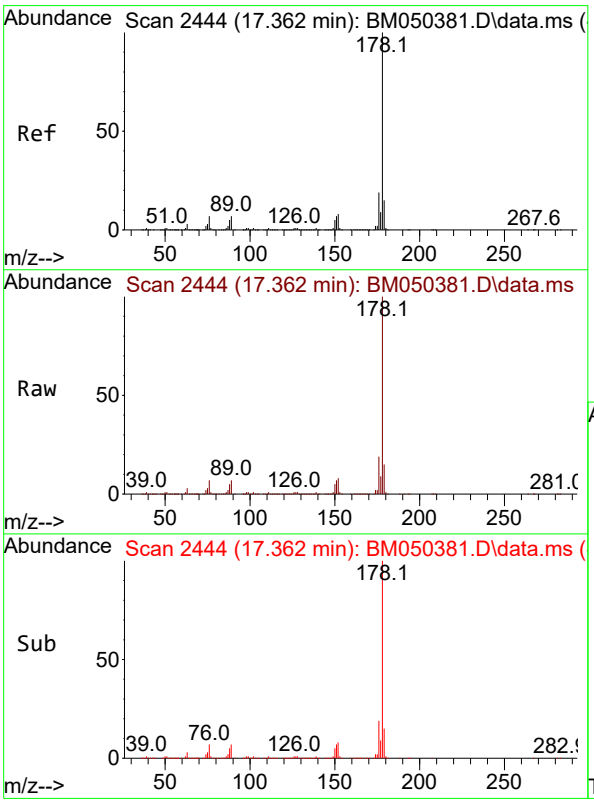

#71
Phenanthrene
Concen: 38.923 ng
RT: 17.268 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:178 Resp: 4039451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.4 | 23.0 |
| 179 | 15.6 | 12.5 | 18.7 |

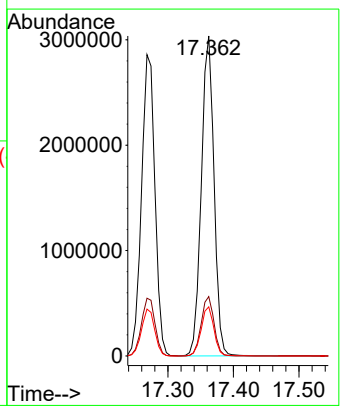


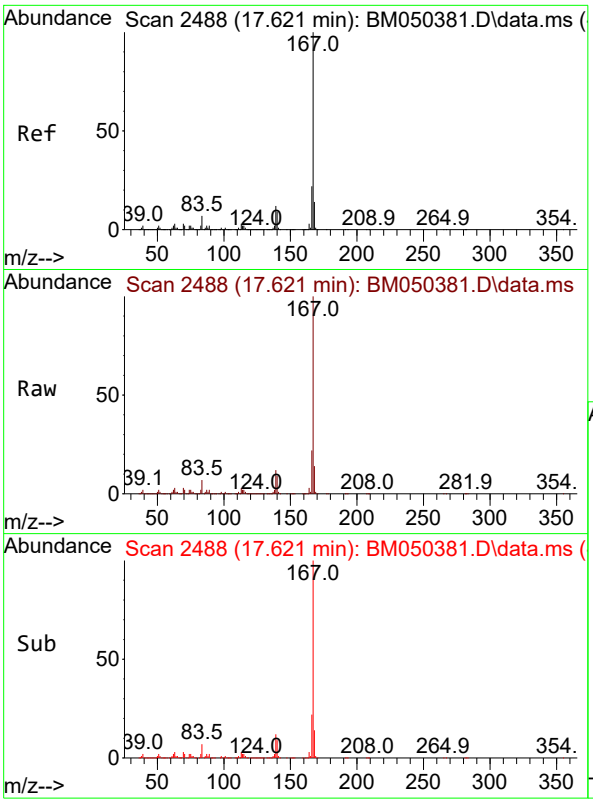




#72
Anthracene
Concen: 39.646 ng
RT: 17.362 min Scan# 2444
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:178 Resp: 4095570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 14.9 | 22.3 |
| 179 | 15.3 | 12.2 | 18.4 |



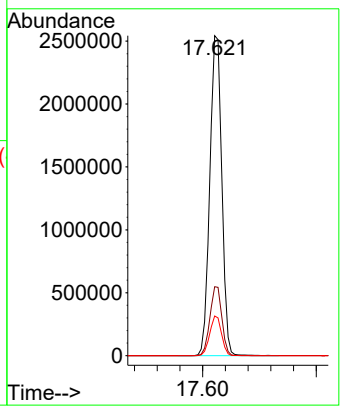


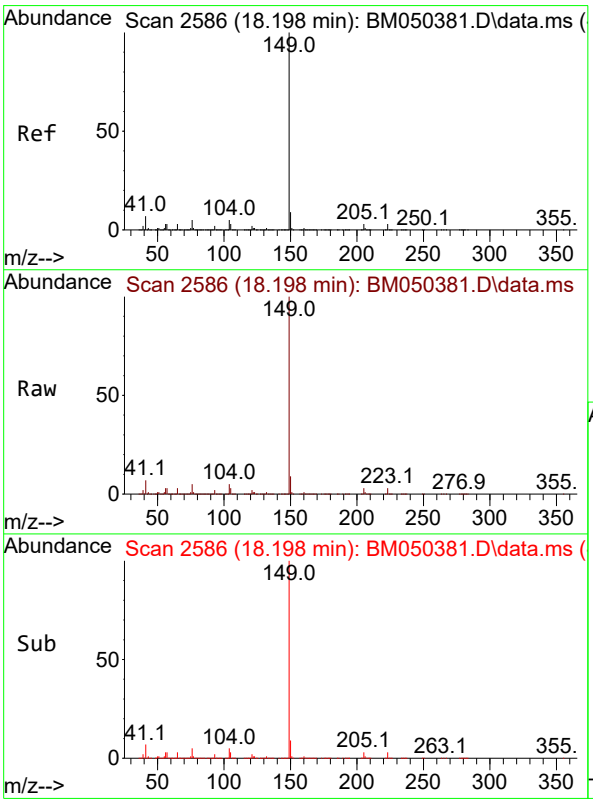

#73
Carbazole
Concen: 39.632 ng
RT: 17.621 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:167 Resp: 3704436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 17.2 | 25.8 |
| 139 | 12.4 | 9.9 | 14.9 |

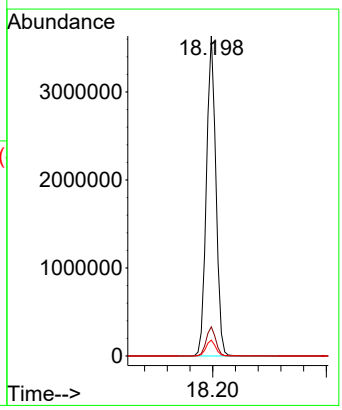


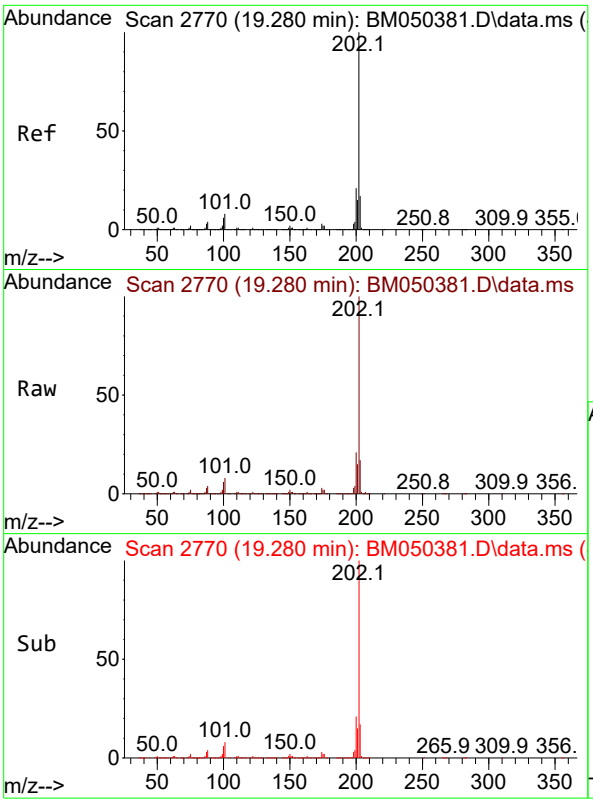




#74
Di-n-butylphthalate
Concen: 40.890 ng
RT: 18.198 min Scan# 2586
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:149 Resp: 4183360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.3 | 10.9 |
| 104 | 4.9 | 3.9 | 5.9 |



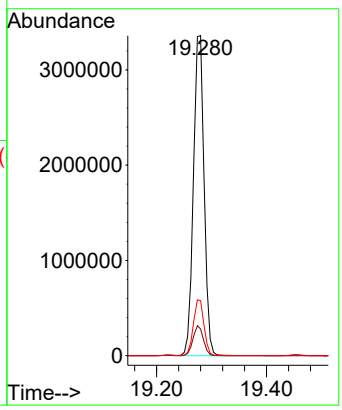


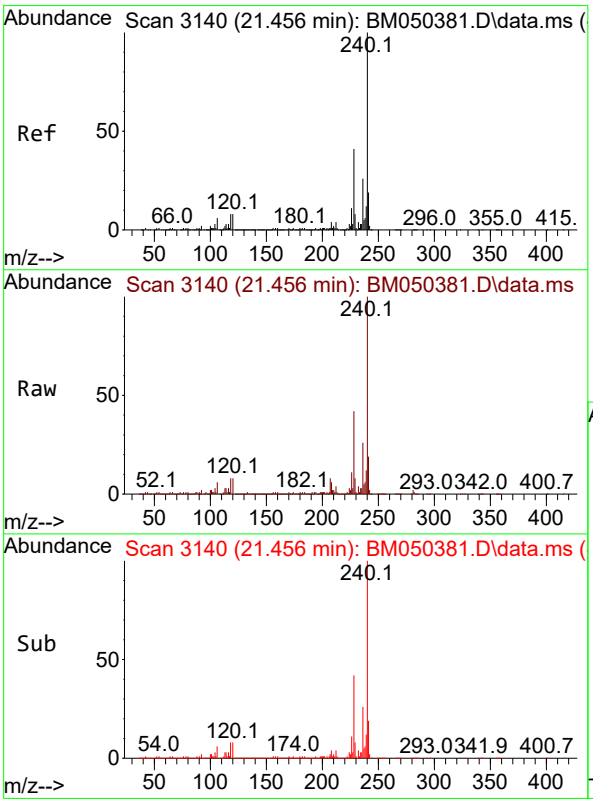

#75
Fluoranthene
Concen: 40.085 ng
RT: 19.280 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:202 Resp: 4522403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.3 | 0.0 | 28.3 |
| 203 | 17.2 | 0.0 | 37.2 |

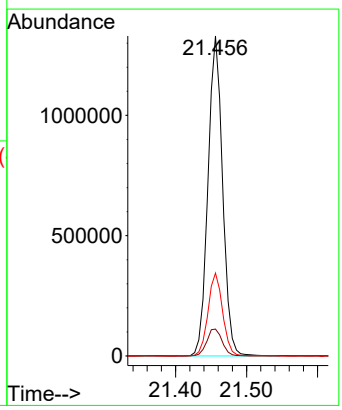


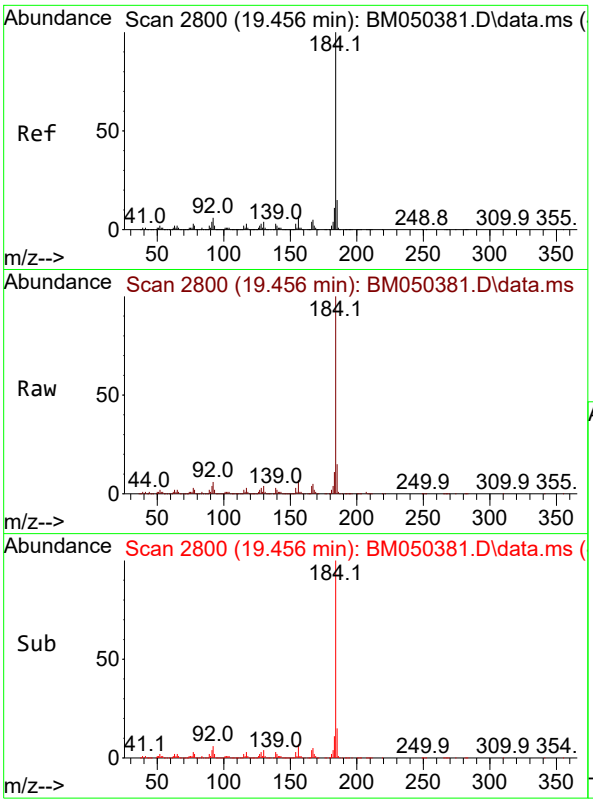




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:240 Resp: 1904004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.4 | 6.7 | 10.1 |
| 236 | 25.9 | 20.7 | 31.1 |



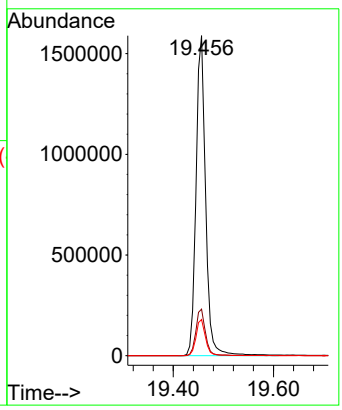


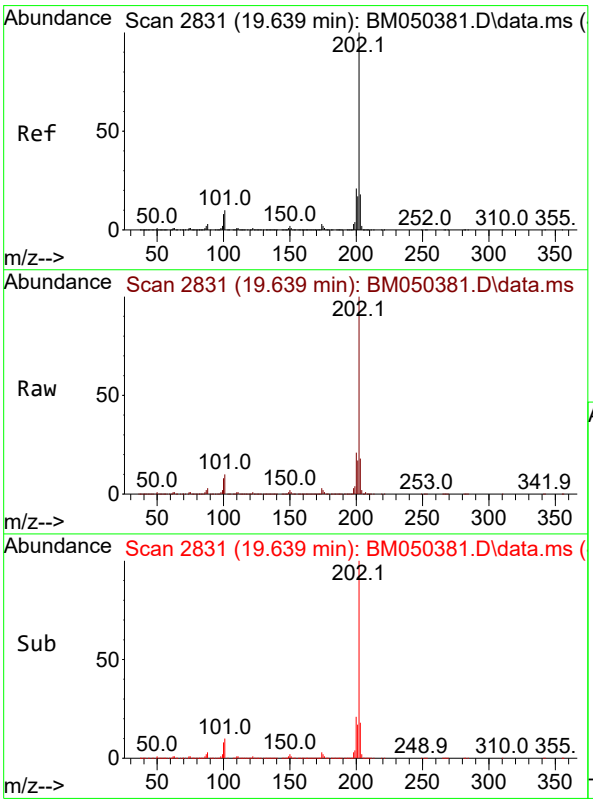

#77
Benzidine
Concen: 43.341 ng
RT: 19.456 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:184 Resp: 2104809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.6 | 11.7 | 17.5 |
| 183 | 11.3 | 9.0 | 13.6 |

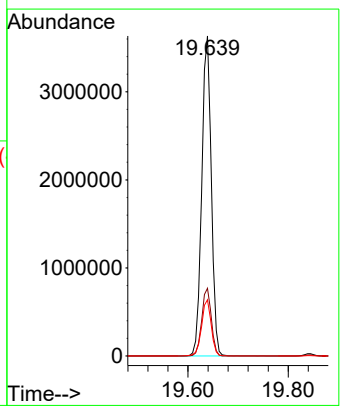


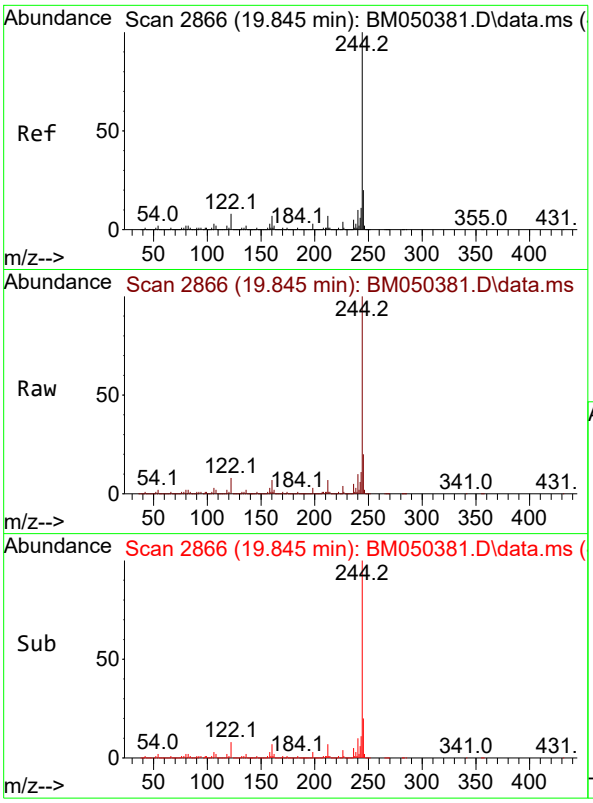




#78
Pyrene
Concen: 39.352 ng
RT: 19.639 min Scan# 2831
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:202 Resp: 4798678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 16.9 | 25.3 |
| 203 | 17.6 | 14.1 | 21.1 |



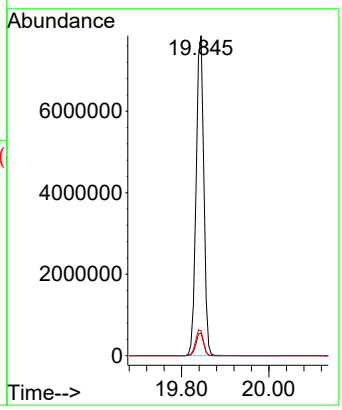


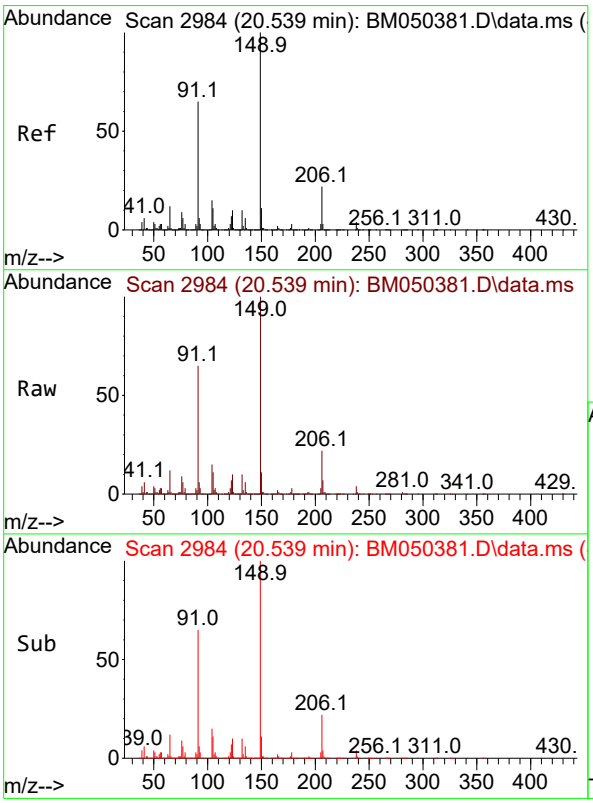

#79
Terphenyl-d14
Concen: 88.568 ng
RT: 19.845 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:244 Resp: 9584372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.7 | 8.5 |
| 122 | 7.7 | 6.2 | 9.2 |

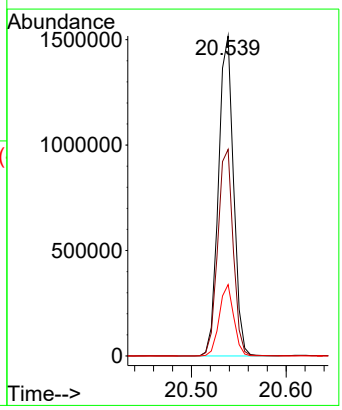


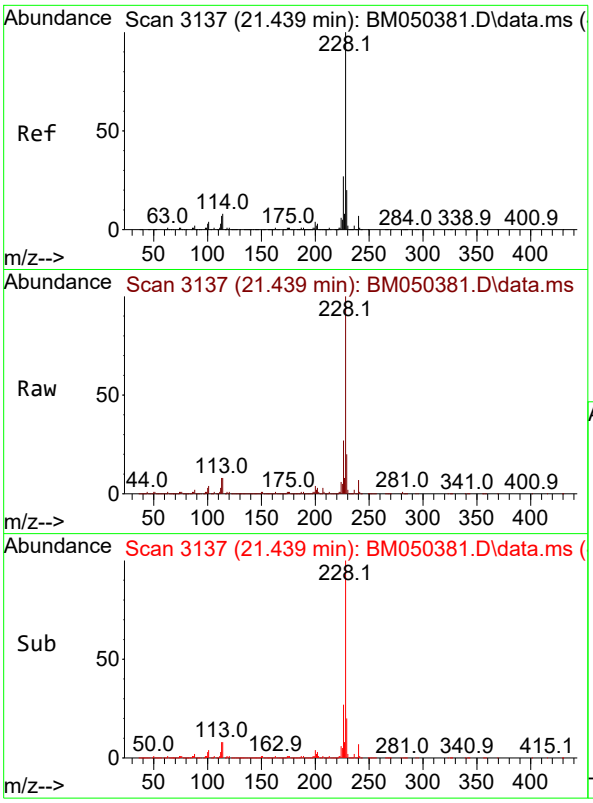




#80
Butylbenzylphthalate
Concen: 41.731 ng
RT: 20.539 min Scan# 2984
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:149 Resp: 1677924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 64.5 | 51.6 | 77.4 |
| 206 | 22.3 | 17.8 | 26.8 |



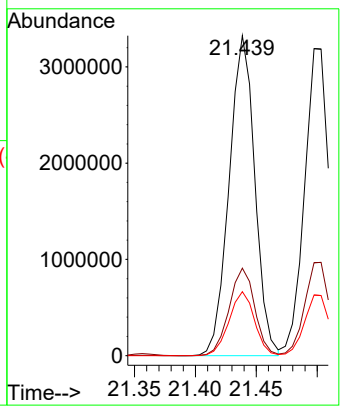


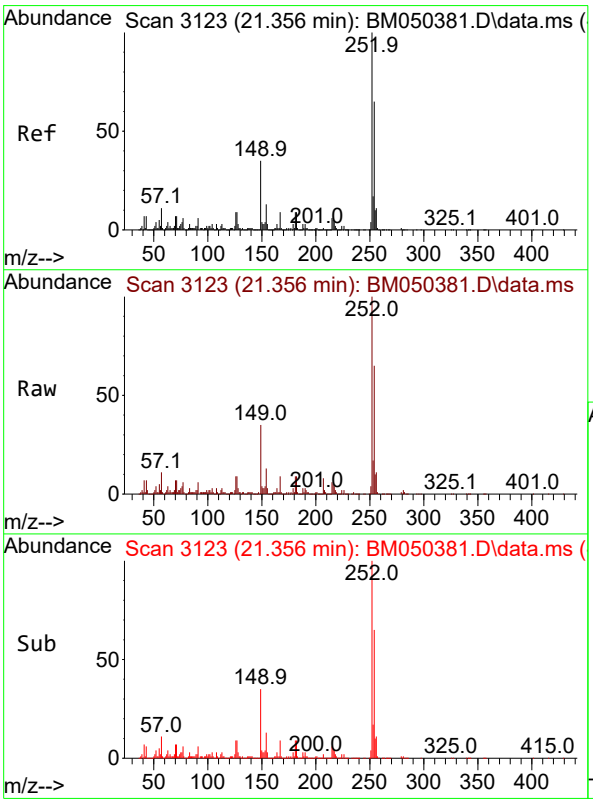

#81
Benzo(a)anthracene
Concen: 39.344 ng
RT: 21.439 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:228 Resp: 4880944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 21.8 | 32.8 |
| 229 | 20.0 | 16.0 | 24.0 |

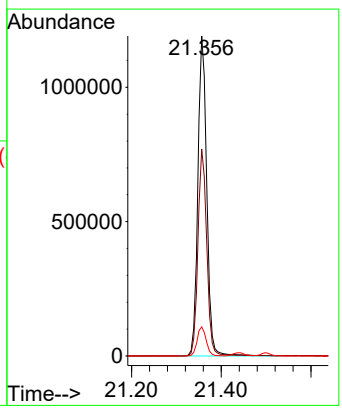


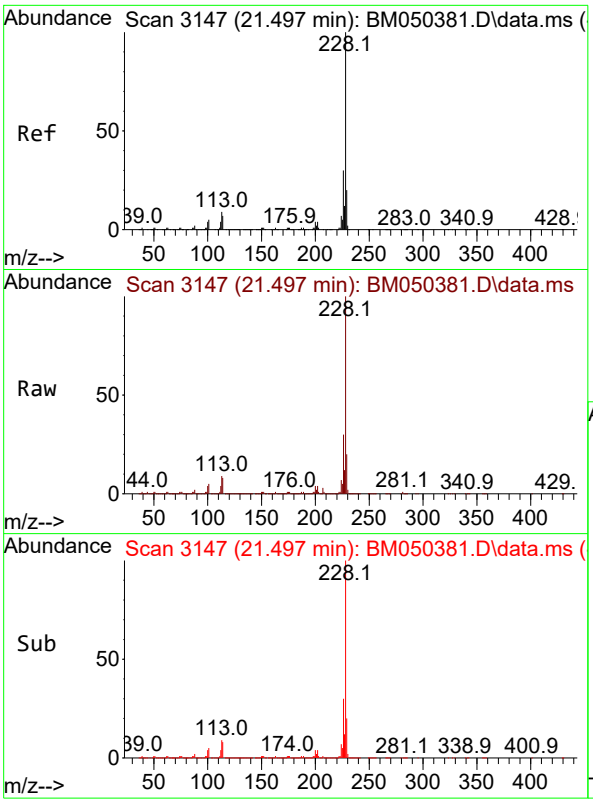




#82
3,3'-Dichlorobenzidine
Concen: 39.036 ng
RT: 21.356 min Scan# 3123
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:252 Resp: 1633134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.6 | 51.7 | 77.5 |
| 126 | 9.1 | 7.3 | 10.9 |



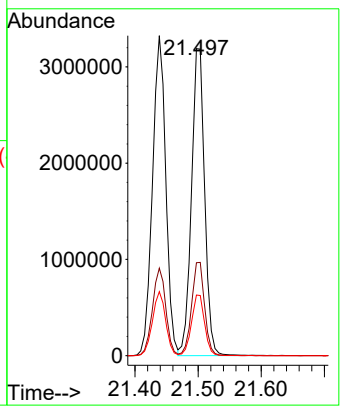


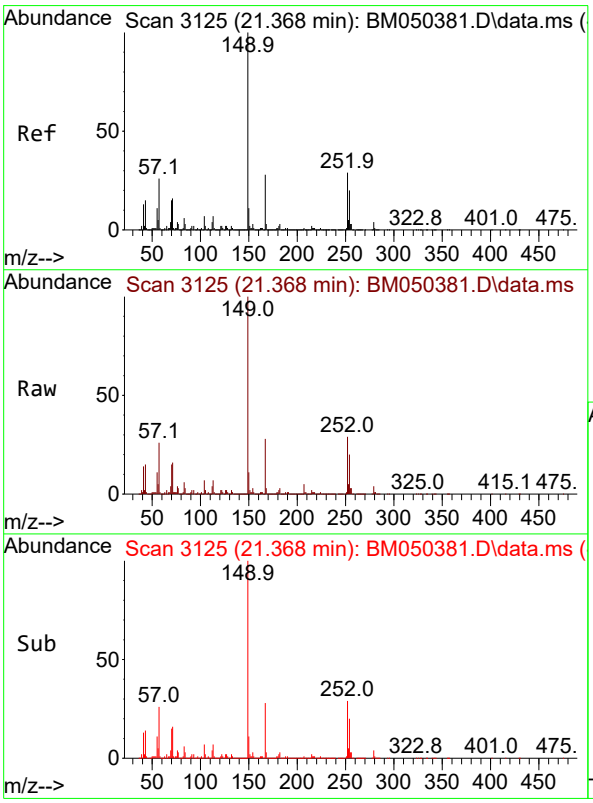

#83
Chrysene
Concen: 39.351 ng
RT: 21.497 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:228 Resp: 4604684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.2 | 36.4 |
| 229 | 19.7 | 15.8 | 23.6 |

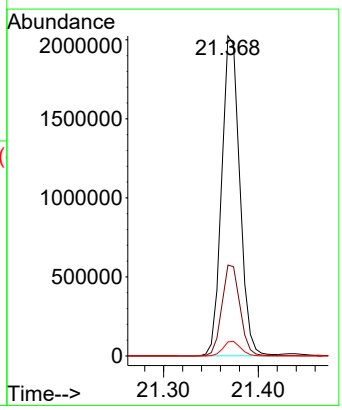


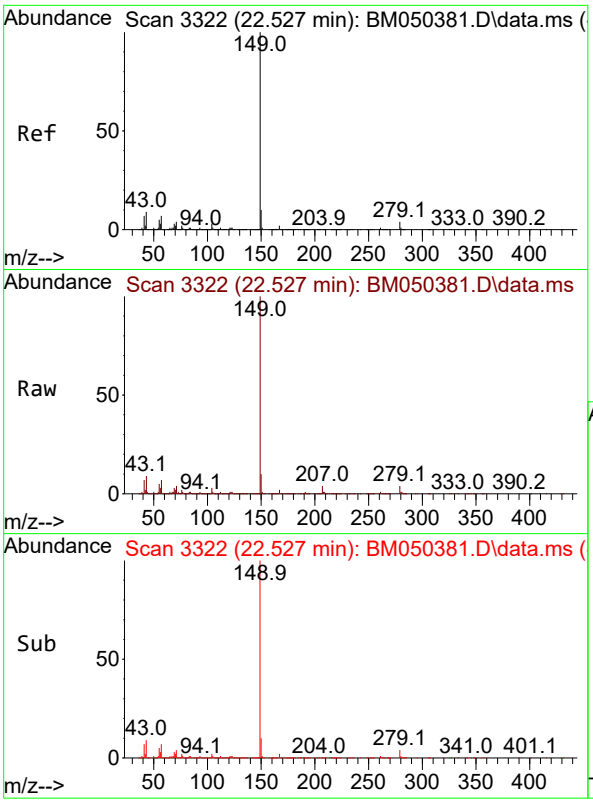




#84
Bis(2-ethylhexyl)phthalate
Concen: 42.076 ng
RT: 21.368 min Scan# 3125
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:149 Resp: 2685699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.4 | 22.7 | 34.1 |
| 279 | 4.4 | 3.5 | 5.3 |



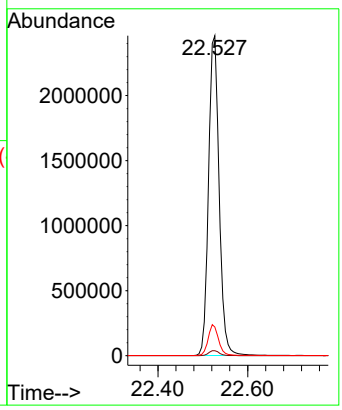


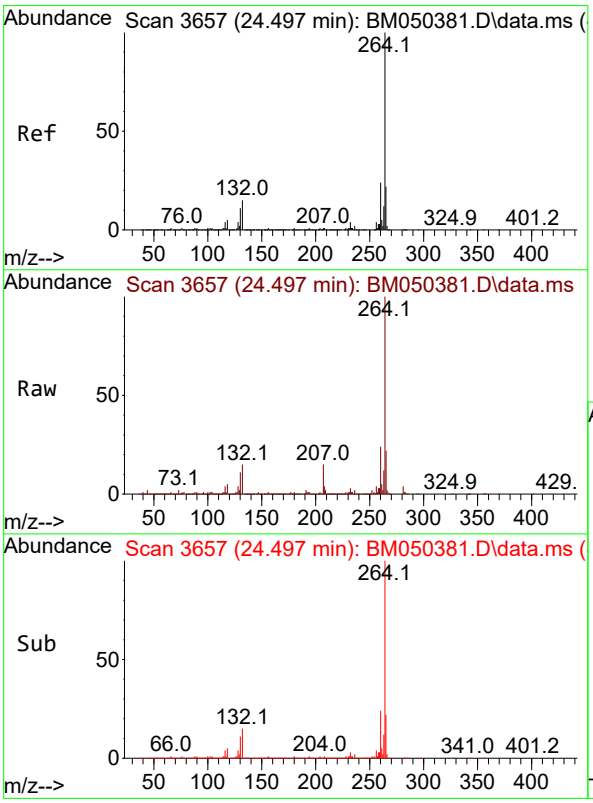

#85
Di-n-octyl phthalate
Concen: 40.294 ng
RT: 22.527 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:149 Resp: 4028194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.6 | 7.7 | 11.5 |

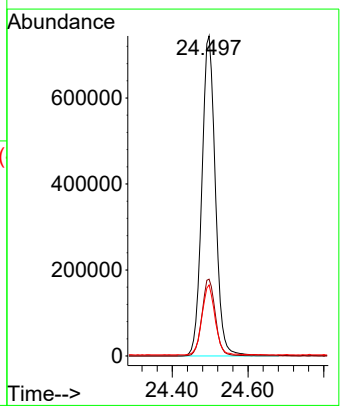


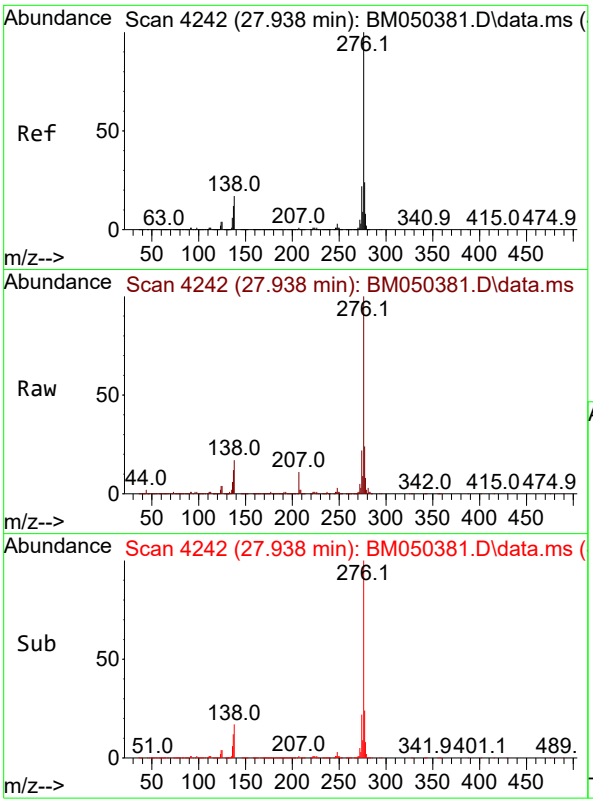




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.497 min Scan# 3657
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:264 Resp: 1842285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.0 | 19.2 | 28.8 |
| 265 | 22.2 | 17.8 | 26.6 |



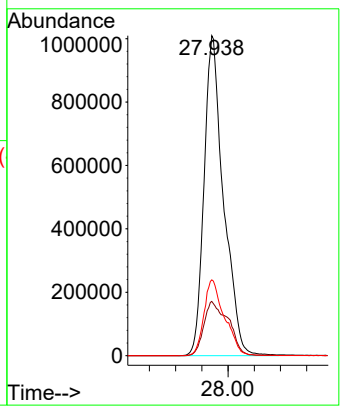


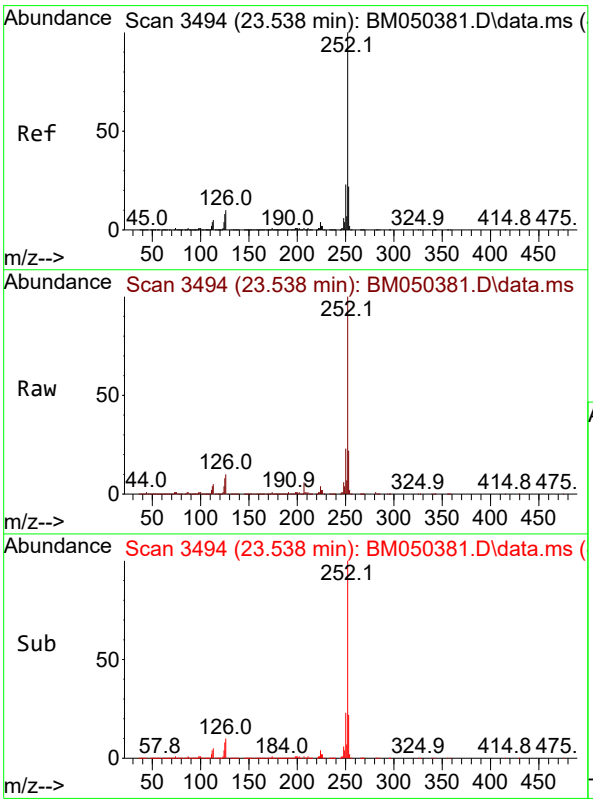

#87
Indeno(1,2,3-cd)pyrene
Concen: 39.813 ng
RT: 27.938 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:276 Resp: 5214934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.3 | 17.0 | 25.6 |
| 277 | 25.0 | 20.0 | 30.0 |

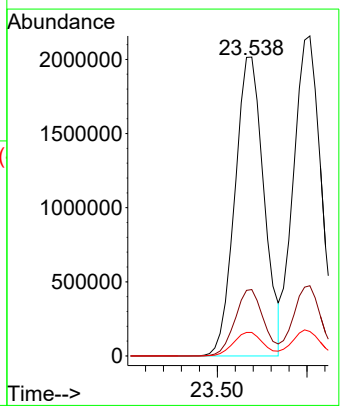


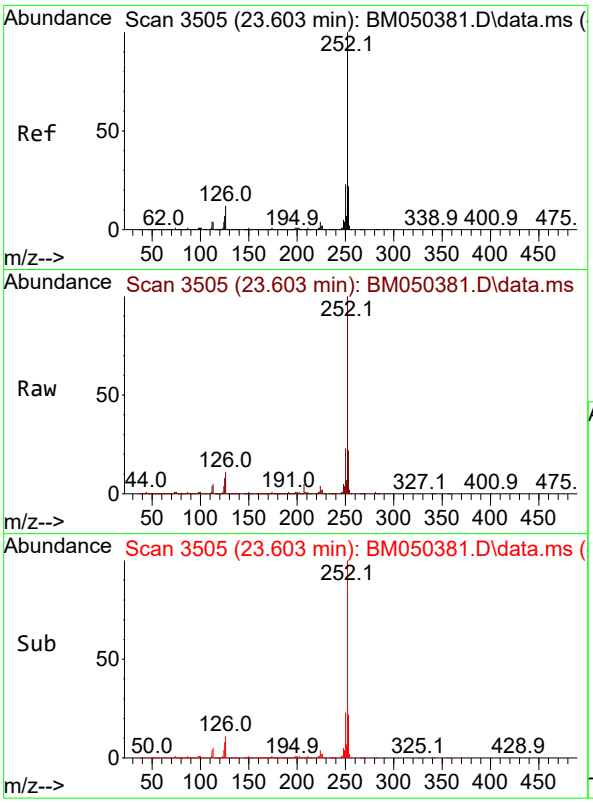




#88
Benzo(b)fluoranthene
Concen: 39.990 ng
RT: 23.538 min Scan# 3494
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:252 Resp: 4531635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.8 | 26.6 |
| 125 | 7.9 | 6.3 | 9.5 |



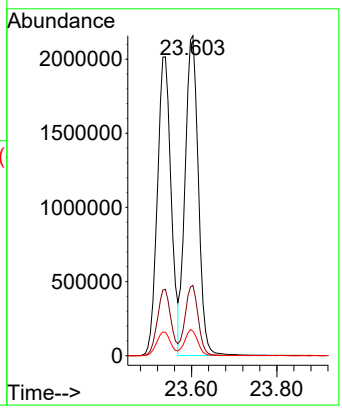


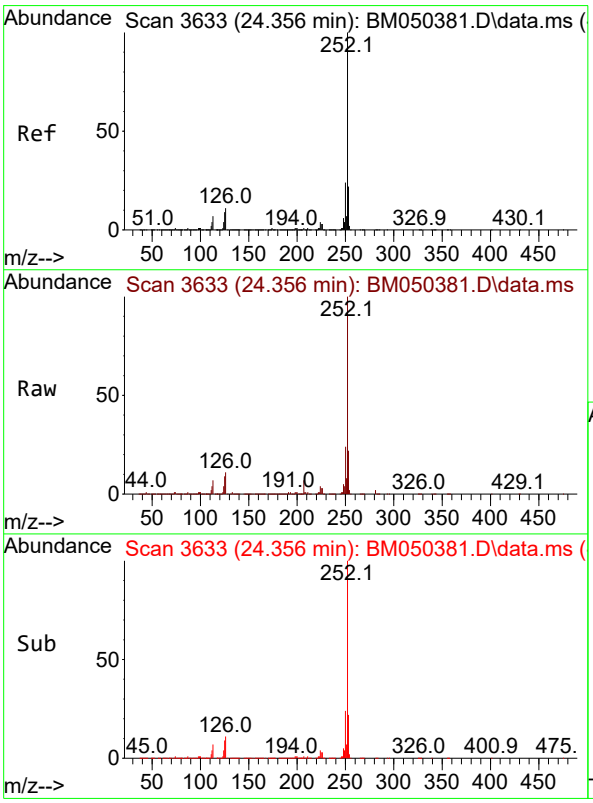

#89
Benzo(k)fluoranthene
Concen: 39.586 ng
RT: 23.603 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:252 Resp: 4654634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.6 | 26.4 |
| 125 | 7.7 | 6.2 | 9.2 |

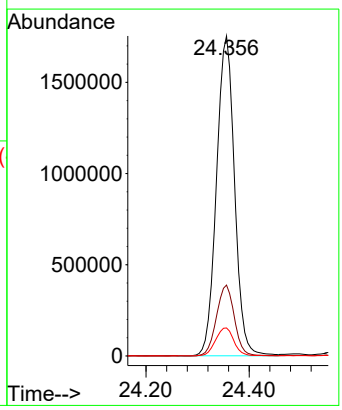


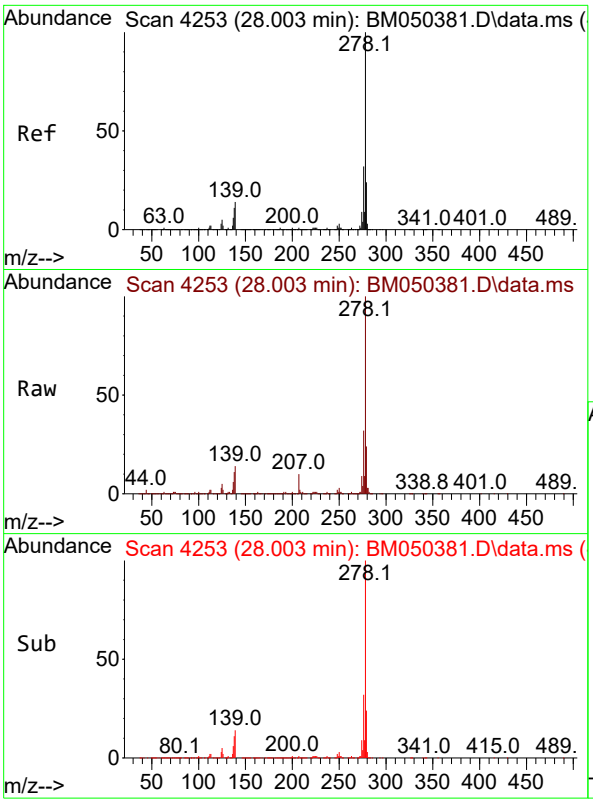




#90
Benzo(a)pyrene
Concen: 40.157 ng
RT: 24.356 min Scan# 3633
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:252 Resp: 4259750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.8 | 26.6 |
| 125 | 8.7 | 7.0 | 10.4 |



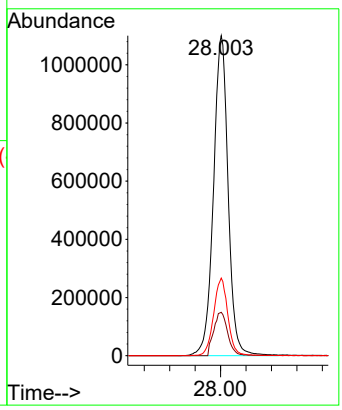


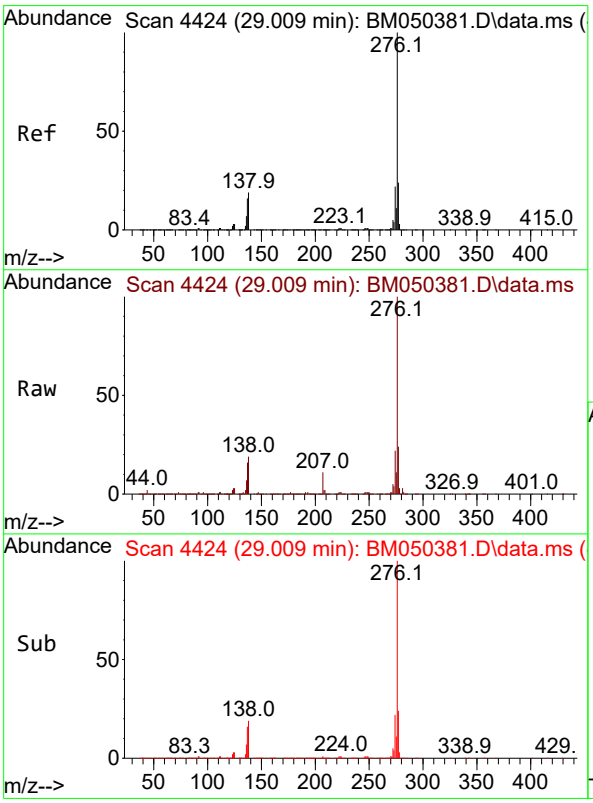

#91
Dibenzo(a,h)anthracene
Concen: 39.857 ng
RT: 28.003 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

Tgt Ion:278 Resp: 4396741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.5 | 10.8 | 16.2 |
| 279 | 24.2 | 19.4 | 29.0 |

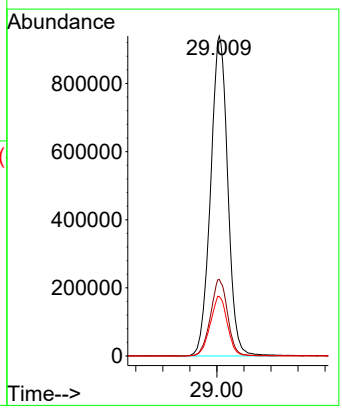



#92
Benzo(g,h,i)perylene
Concen: 39.626 ng
RT: 29.009 min Scan# 4424
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:276 Resp: 4131353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 19.1 | 28.7 |
| 138 | 18.6 | 14.9 | 22.3 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050382.D
Acq On : 08 Jul 2025 16:01
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Quant Time: Jul 08 18:23:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.863 | 152 | 355414 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.663 | 136 | 1368622 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.492 | 164 | 874077 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.227 | 188 | 1680679 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.456 | 240 | 1747476 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.497 | 264 | 1657543 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 2235397 | 108.263 | ng | | 0.00 |
| 7) Phenol-d6 | 7.022 | 99 | 2855911 | 109.721 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.022 | 82 | 2937689 | 109.508 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.974 | 330 | 1246384 | 117.361 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.122 | 172 | 7659625 | 108.218 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.839 | 244 | 11336982 | 114.147 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.334 | 88 | 445164 | 52.431 | ng | | 99 |
| 3) Pyridine | 3.734 | 79 | 1187050 | 53.254 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.640 | 42 | 550809 | 53.005 | ng | | 100 |
| 6) Aniline | 7.187 | 93 | 1814285 | 54.314 | ng | | 99 |
| 8) 2-Chlorophenol | 7.428 | 128 | 1191374 | 54.720 | ng | | 100 |
| 9) Benzaldehyde | 6.998 | 77 | 743485m | 48.013 | ng | | |
| 10) Phenol | 7.051 | 94 | 1479916 | 54.513 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 7.287 | 93 | 1176258 | 54.102 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.757 | 146 | 1403509 | 53.015 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.904 | 146 | 1430908 | 52.933 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.216 | 146 | 1369382 | 52.912 | ng | | 99 |
| 15) Benzyl Alcohol | 8.098 | 79 | 1000035 | 54.529 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.398 | 45 | 1694093 | 52.899 | ng | | 99 |
| 17) 2-Methylphenol | 8.298 | 107 | 967335 | 54.938 | ng | | 98 |
| 18) Hexachloroethane | 8.951 | 117 | 510428 | 53.689 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.675 | 70 | 892537 | 56.604 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.628 | 107 | 1295330 | 54.800 | ng | | 98 |
| 22) Acetophenone | 8.687 | 105 | 1828595 | 53.438 | ng | # | 97 |
| 24) Nitrobenzene | 9.063 | 77 | 1289779 | 53.879 | ng | | 99 |
| 25) Isophorone | 9.592 | 82 | 2401483 | 55.168 | ng | | 100 |
| 26) 2-Nitrophenol | 9.775 | 139 | 569906 | 58.414 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.834 | 122 | 1124761 | 54.178 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.069 | 93 | 1555003 | 53.910 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.304 | 162 | 1175856 | 55.130 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.528 | 180 | 1359109 | 53.267 | ng | | 99 |
| 31) Naphthalene | 10.716 | 128 | 3662846 | 52.691 | ng | | 100 |
| 32) Benzoic acid | 9.957 | 122 | 666467 | 51.765 | ng | | 99 |
| 33) 4-Chloroaniline | 10.810 | 127 | 1592528 | 54.189 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.010 | 225 | 835314 | 53.639 | ng | | 99 |
| 35) Caprolactam | 11.586 | 113 | 328173 | 56.364 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 11.933 | 107 | 1114543 | 55.959 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.322 | 142 | 2369763 | 53.990 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.539 | 142 | 2518911 | 54.226 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.692 | 216 | 1528897 | 55.004 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.680 | 237 | 982675 | 55.306 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.927 | 196 | 968128 | 56.583 | ng | | 98 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050382.D
Acq On : 08 Jul 2025 16:01
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Quant Time: Jul 08 18:23:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.992 | 196 | 1058158 | 56.628 ng | 99 |
| 46) 1,1'-Biphenyl | 13.333 | 154 | 3466190 | 53.449 ng | 99 |
| 47) 2-Chloronaphthalene | 13.369 | 162 | 2768272 | 53.538 ng | 100 |
| 48) 2-Nitroaniline | 13.563 | 65 | 682263 | 59.115 ng | 100 |
| 49) Acenaphthylene | 14.216 | 152 | 4274915 | 54.707 ng | 100 |
| 50) Dimethylphthalate | 13.951 | 163 | 3290612 | 54.681 ng | 100 |
| 51) 2,6-Dinitrotoluene | 14.063 | 165 | 672335 | 58.189 ng | 100 |
| 52) Acenaphthene | 14.557 | 154 | 2689063 | 54.128 ng | 99 |
| 53) 3-Nitroaniline | 14.386 | 138 | 722162 | 58.770 ng | 100 |
| 54) 2,4-Dinitrophenol | 14.586 | 184 | 305096 | 50.427 ng | 98 |
| 55) Dibenzofuran | 14.892 | 168 | 4109027 | 53.680 ng | 100 |
| 56) 4-Nitrophenol | 14.686 | 139 | 602964 | 57.060 ng | 96 |
| 57) 2,4-Dinitrotoluene | 14.845 | 165 | 922804 | 53.047 ng | 98 |
| 58) Fluorene | 15.539 | 166 | 3457484 | 54.837 ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.116 | 232 | 885196 | 56.275 ng | 100 |
| 60) Diethylphthalate | 15.316 | 149 | 3176896 | 55.265 ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.533 | 204 | 1834247 | 55.637 ng | 100 |
| 62) 4-Nitroaniline | 15.545 | 138 | 765716 | 53.869 ng | 98 |
| 63) Azobenzene | 15.827 | 77 | 2917647 | 55.274 ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.604 | 198 | 458700 | 50.395 ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.745 | 169 | 2847134 | 54.137 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.427 | 248 | 1016241 | 54.881 ng | 99 |
| 68) Hexachlorobenzene | 16.539 | 284 | 1190183 | 54.420 ng | 98 |
| 69) Atrazine | 16.692 | 200 | 975743 | 56.502 ng | 98 |
| 70) Pentachlorophenol | 16.874 | 266 | 762216 | 55.986 ng | 99 |
| 71) Phenanthrene | 17.268 | 178 | 5068282 | 53.293 ng | 100 |
| 72) Anthracene | 17.362 | 178 | 5179830 | 54.717 ng | 100 |
| 73) Carbazole | 17.621 | 167 | 4657232 | 54.372 ng | 100 |
| 74) Di-n-butylphthalate | 18.198 | 149 | 5258750 | 56.091 ng | 100 |
| 75) Fluoranthene | 19.274 | 202 | 5737944 | 55.500 ng | 99 |
| 77) Benzidine | 19.456 | 184 | 2626171 | 58.920 ng | 100 |
| 78) Pyrene | 19.639 | 202 | 6064476 | 54.187 ng | 100 |
| 80) Butylbenzylphthalate | 20.539 | 149 | 2150816 | 58.284 ng | 100 |
| 81) Benzo(a)anthracene | 21.439 | 228 | 6238737 | 54.793 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.356 | 252 | 2176770 | 56.690 ng | 100 |
| 83) Chrysene | 21.503 | 228 | 5797980 | 53.988 ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.374 | 149 | 3407481 | 58.166 ng | 99 |
| 85) Di-n-octyl phthalate | 22.527 | 149 | 5213026 | 56.816 ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 27.944 | 276 | 6640722 | 56.349 ng | 100 |
| 88) Benzo(b)fluoranthene | 23.539 | 252 | 5667484 | 55.588 ng | 100 |
| 89) Benzo(k)fluoranthene | 23.603 | 252 | 5984419 | 56.568 ng | 99 |
| 90) Benzo(a)pyrene | 24.356 | 252 | 5445326 | 57.054 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.009 | 278 | 5603613 | 56.460 ng | 99 |
| 92) Benzo(g,h,i)perylene | 29.015 | 276 | 5235761 | 55.817 ng | 99 |

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

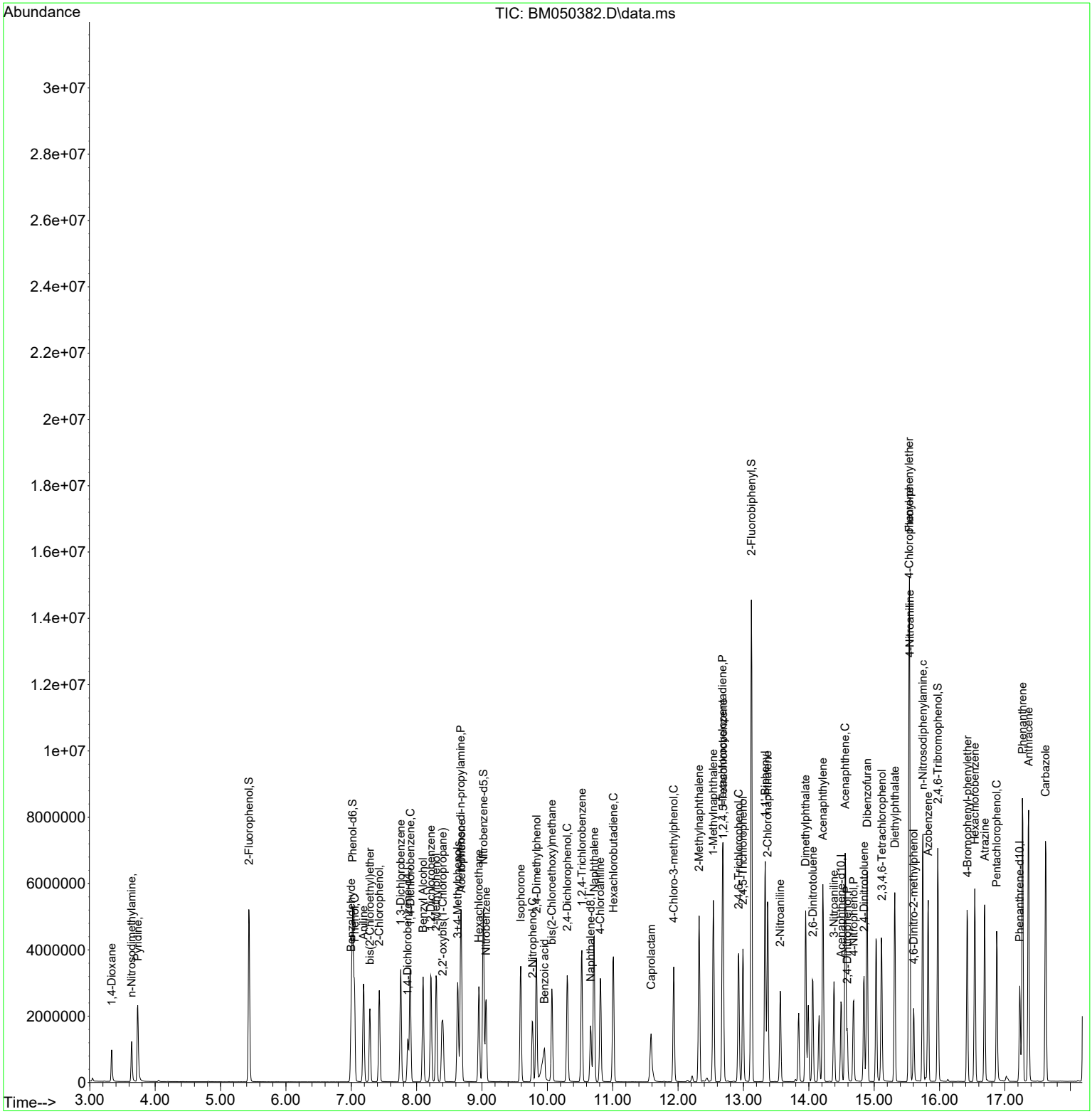
Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050382.D
Acq On : 08 Jul 2025 16:01
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Quant Time: Jul 08 18:23:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



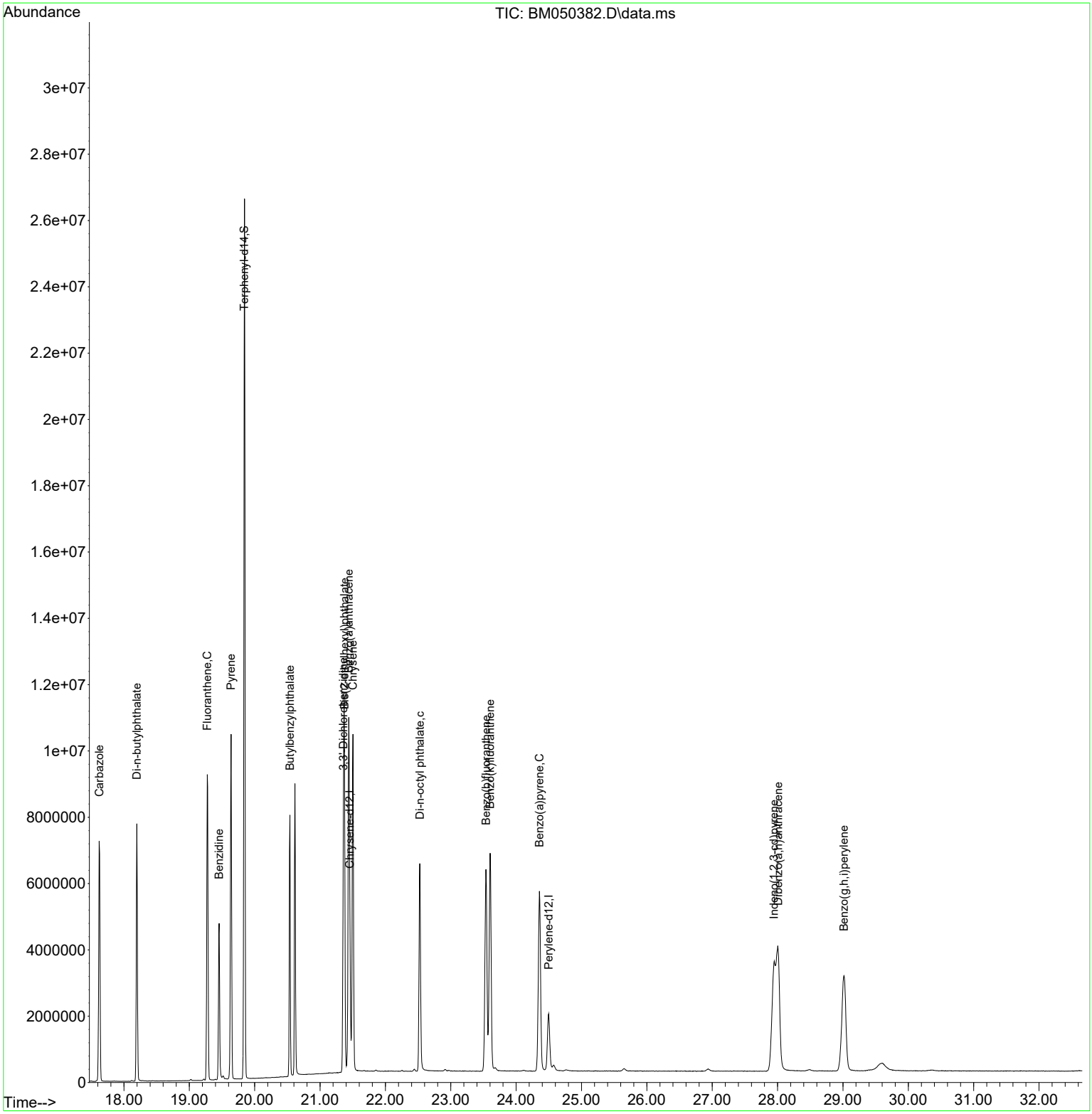
Quantitation Report (QT Reviewed)

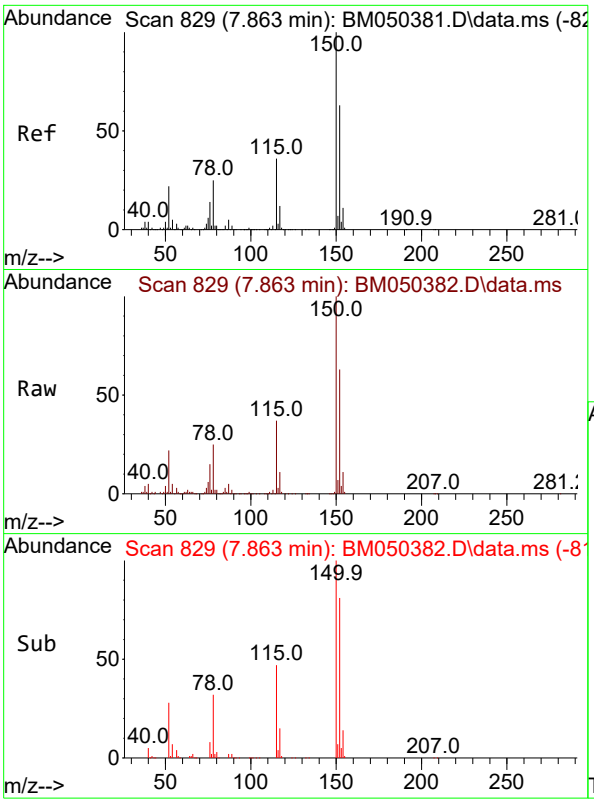
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050382.D
Acq On : 08 Jul 2025 16:01
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Quant Time: Jul 08 18:23:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



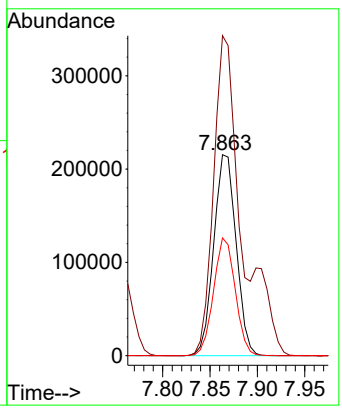


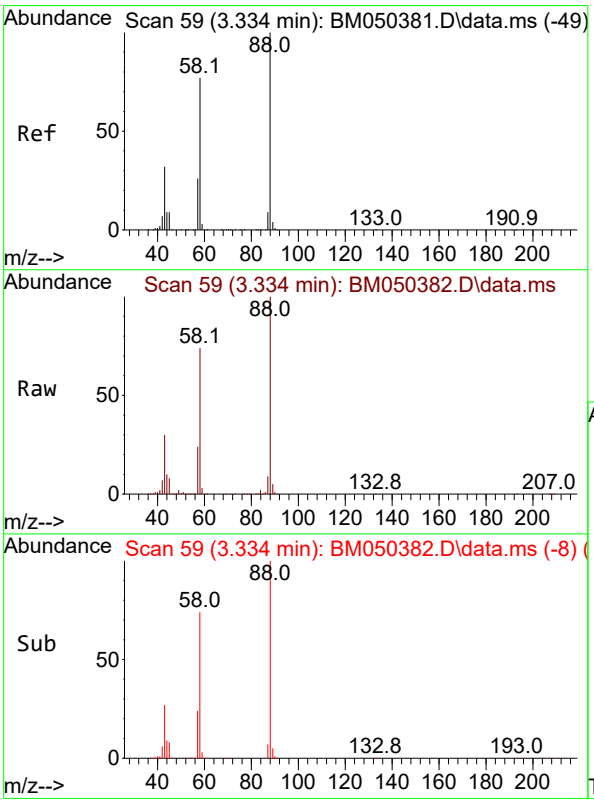

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:152 Resp: 355414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.3 | 126.2 | 189.4 |
| 115 | 58.6 | 45.8 | 68.8 |

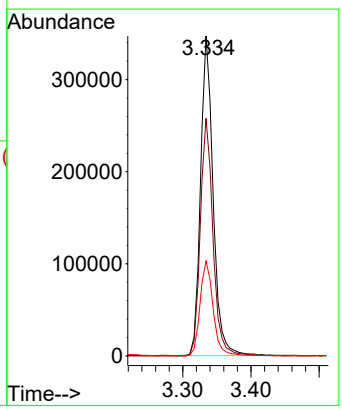


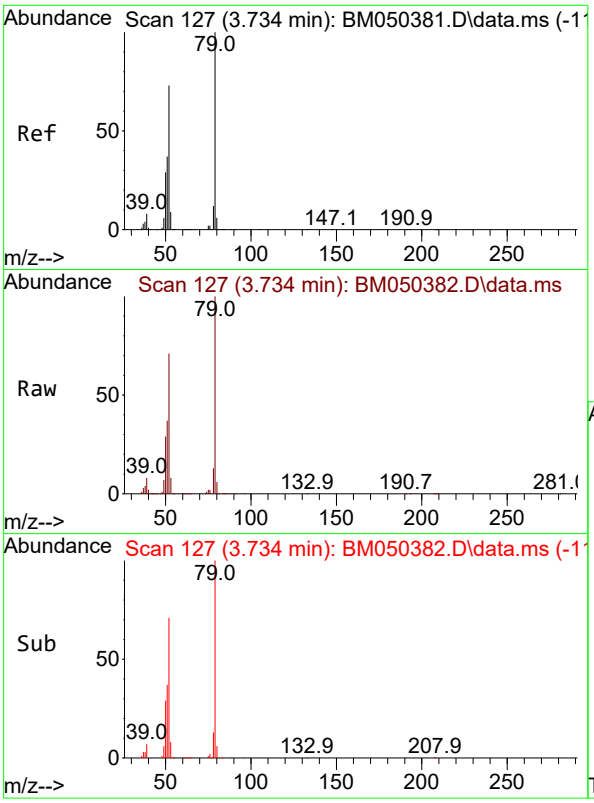




#2
1,4-Dioxane
Concen: 52.431 ng
RT: 3.334 min Scan# 59
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 88 Resp: 445164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.1 | 61.0 | 91.6 |
| 43 | 30.8 | 24.6 | 37.0 |



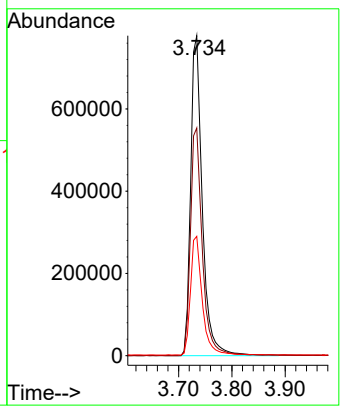


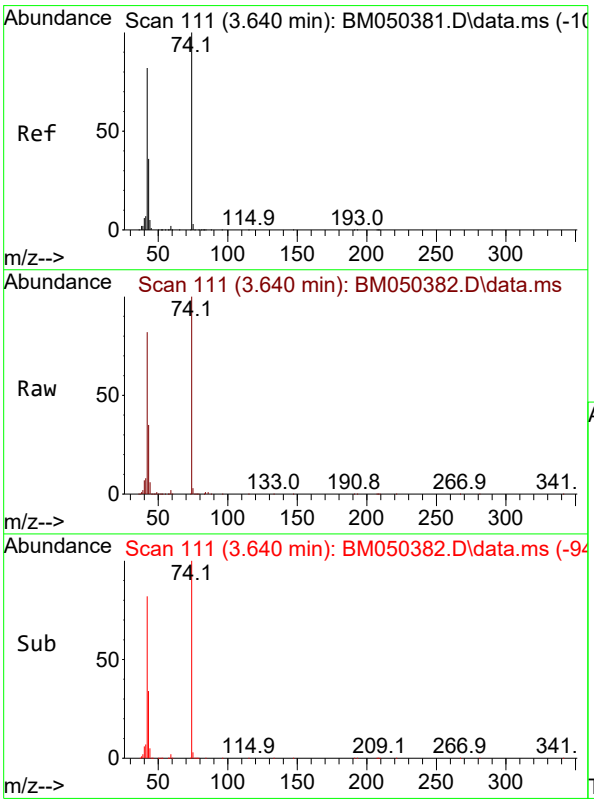

#3
Pyridine
Concen: 53.254 ng
RT: 3.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion: 79 Resp: 1187050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 71.2 | 58.3 | 87.5 |
| 51 | 37.3 | 29.6 | 44.4 |

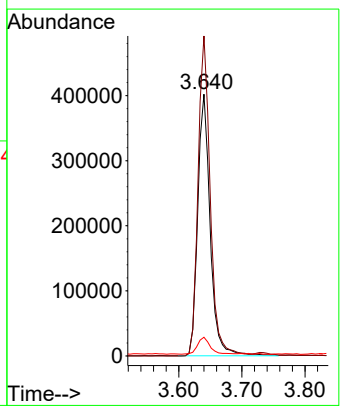


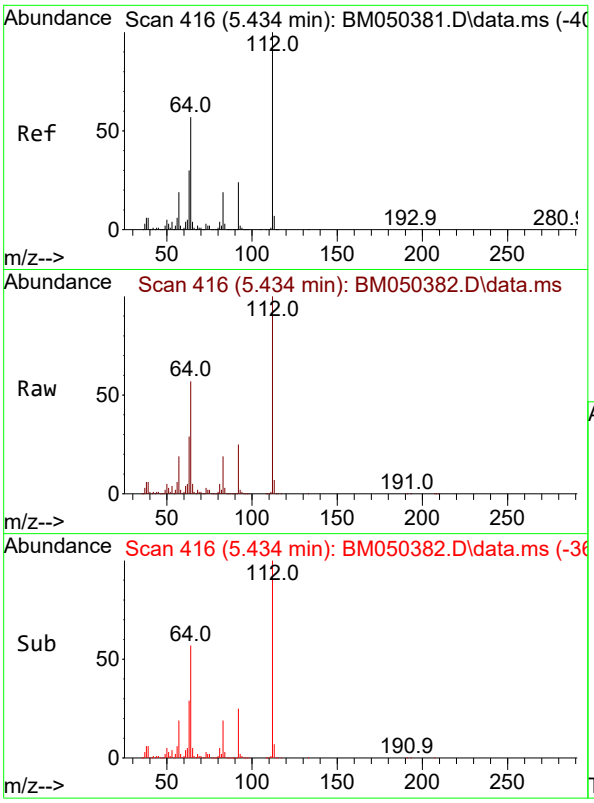




#4
n-Nitrosodimethylamine
Concen: 53.005 ng
RT: 3.640 min Scan# 111
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 42 Resp: 550809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 122.3 | 97.5 | 146.3 |
| 44 | 7.2 | 5.7 | 8.5 |



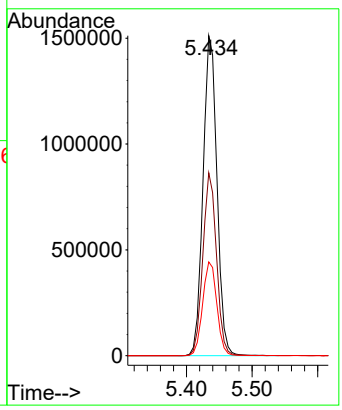


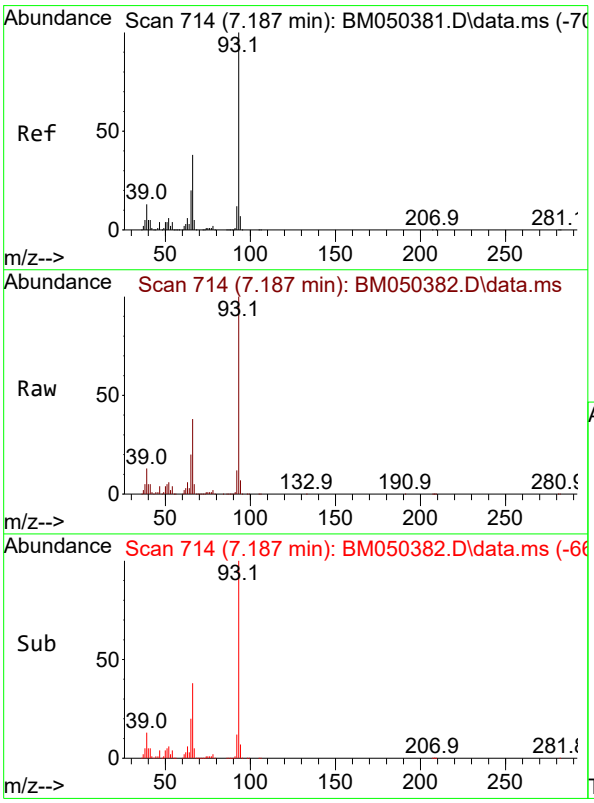

#5
2-Fluorophenol
Concen: 108.263 ng
RT: 5.434 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:112 Resp: 2235397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.1 | 45.5 | 68.3 |
| 63 | 29.3 | 24.2 | 36.4 |

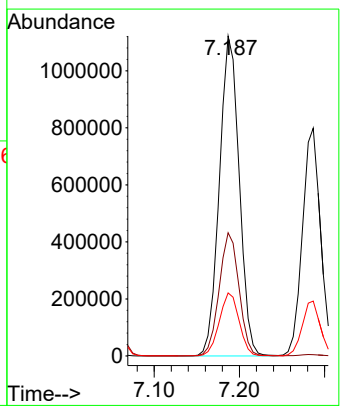


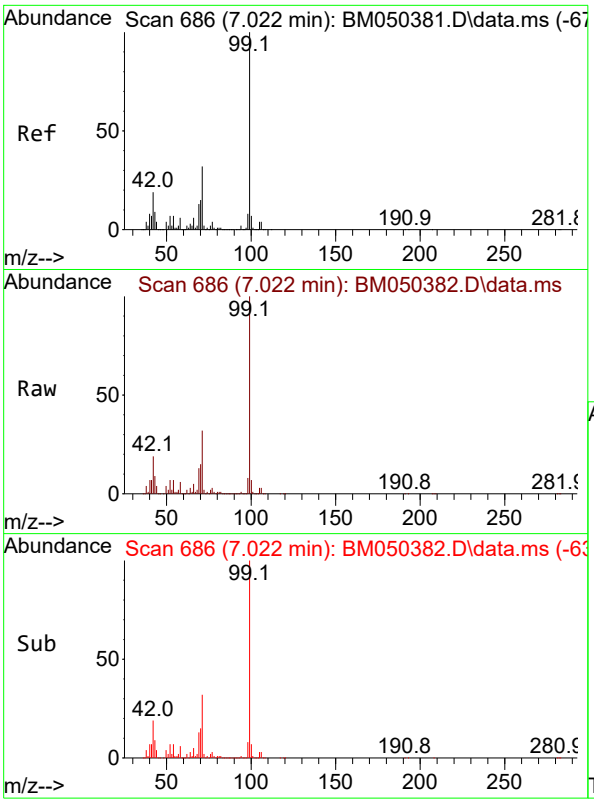




#6
Aniline
Concen: 54.314 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 93 Resp: 1814285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.5 | 30.5 | 45.7 |
| 65 | 19.7 | 15.9 | 23.9 |



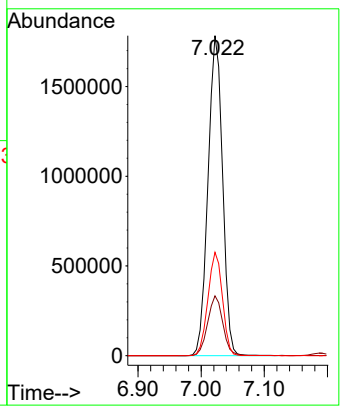


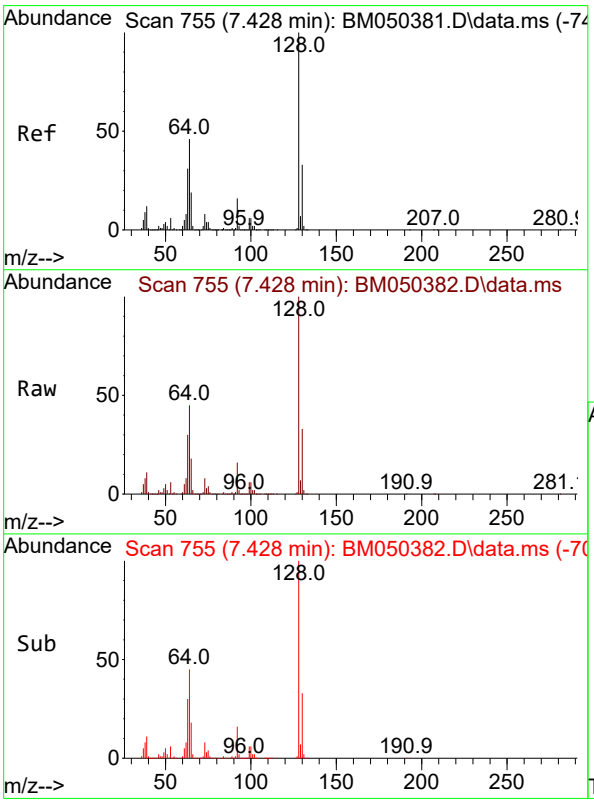

#7
Phenol-d6
Concen: 109.721 ng
RT: 7.022 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion: 99 Resp: 2855911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.7 | 15.0 | 22.6 |
| 71 | 32.3 | 25.9 | 38.9 |

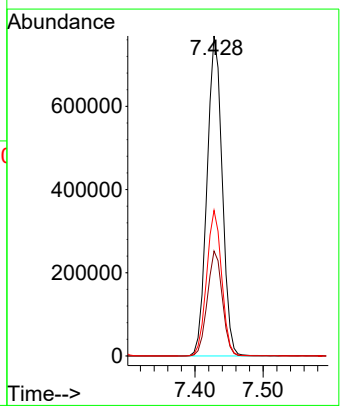


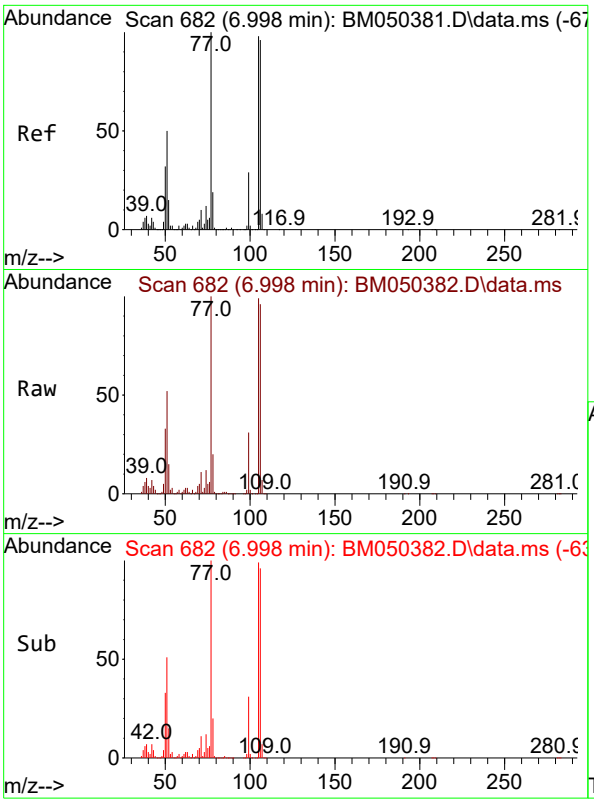




#8
2-Chlorophenol
Concen: 54.720 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:128 Resp: 1191374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.8 | 13.3 | 53.3 |
| 64 | 45.5 | 25.6 | 65.6 |



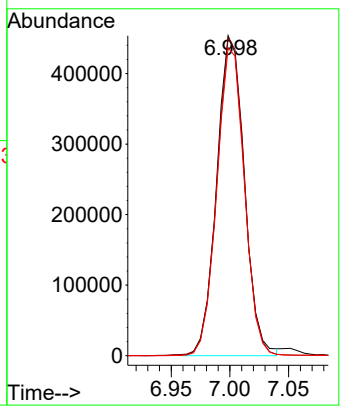


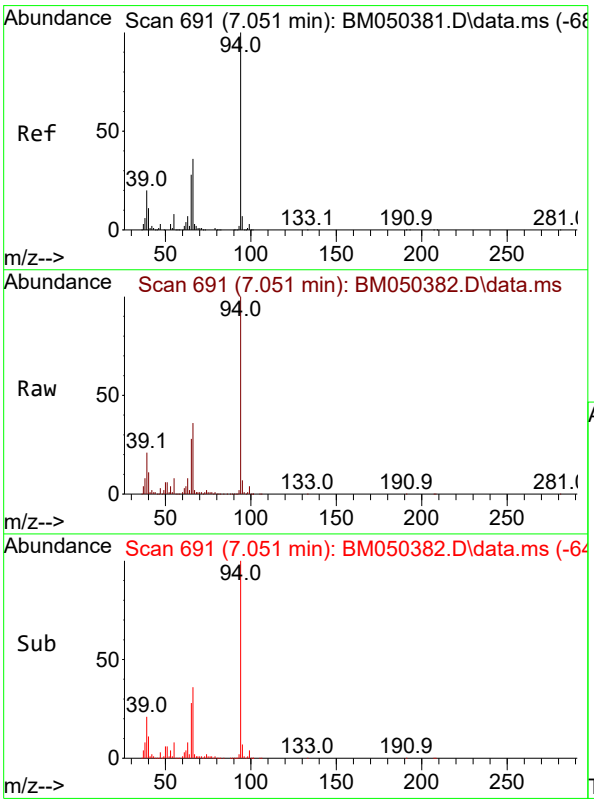

#9
Benzaldehyde
Concen: 48.013 ng m
RT: 6.998 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion: 77 Resp: 743485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.4 | 78.4 | 118.4 |
| 106 | 96.2 | 76.3 | 116.3 |

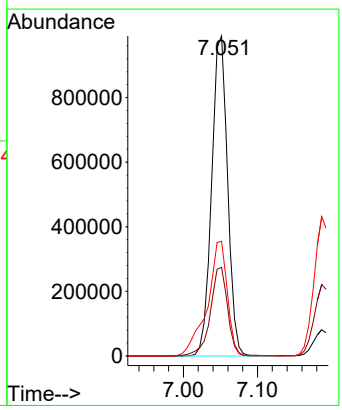


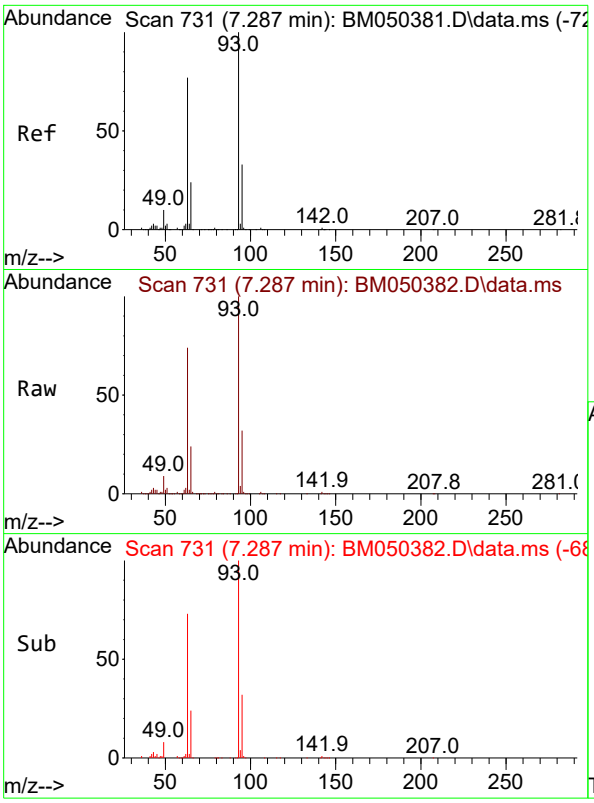




#10
Phenol
Concen: 54.513 ng
RT: 7.051 min Scan# 691
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 94 Resp: 1479916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 27.7 | 8.1 | 48.1 |
| 66 | 35.8 | 15.8 | 55.8 |



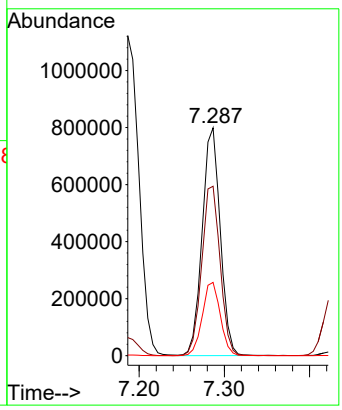


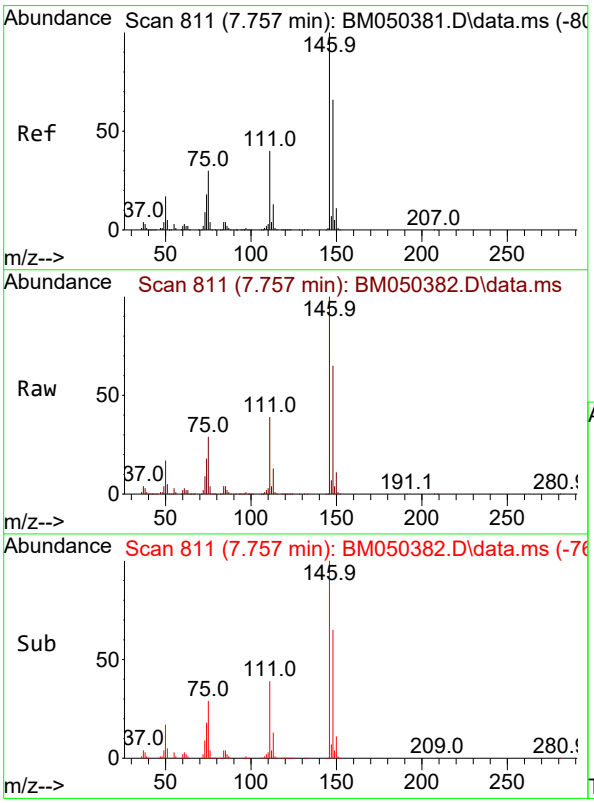

#11
bis(2-Chloroethyl)ether
Concen: 54.102 ng
RT: 7.287 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion: 93 Resp: 1176258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 74.4 | 56.9 | 96.9 |
| 95 | 32.1 | 12.6 | 52.6 |

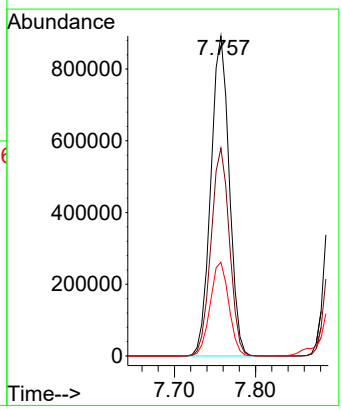


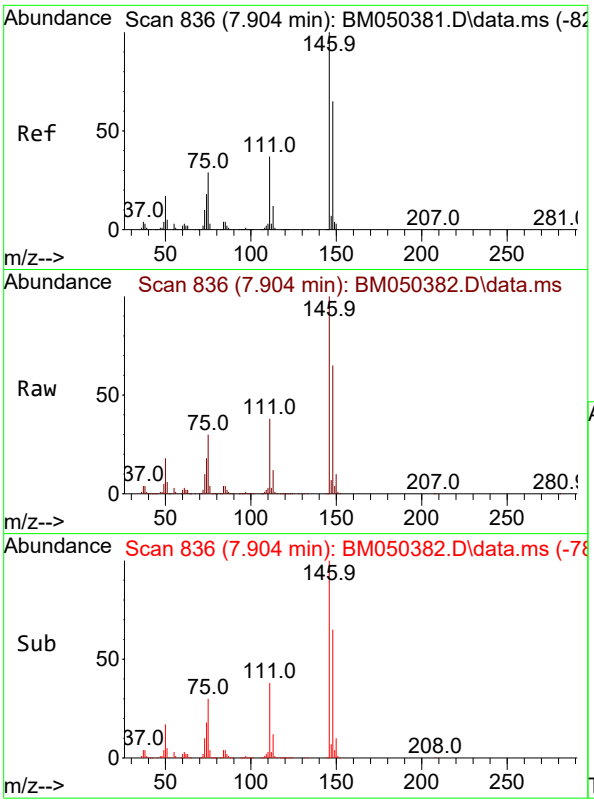




#12
1,3-Dichlorobenzene
Concen: 53.015 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:146 Resp: 1403509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.9 | 53.2 | 79.8 |
| 75 | 29.3 | 23.9 | 35.9 |



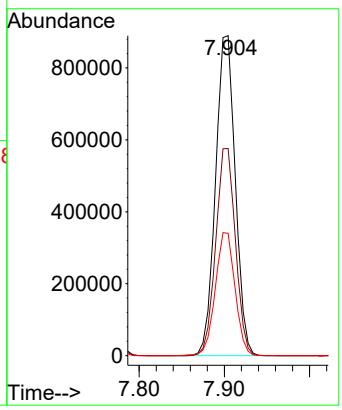


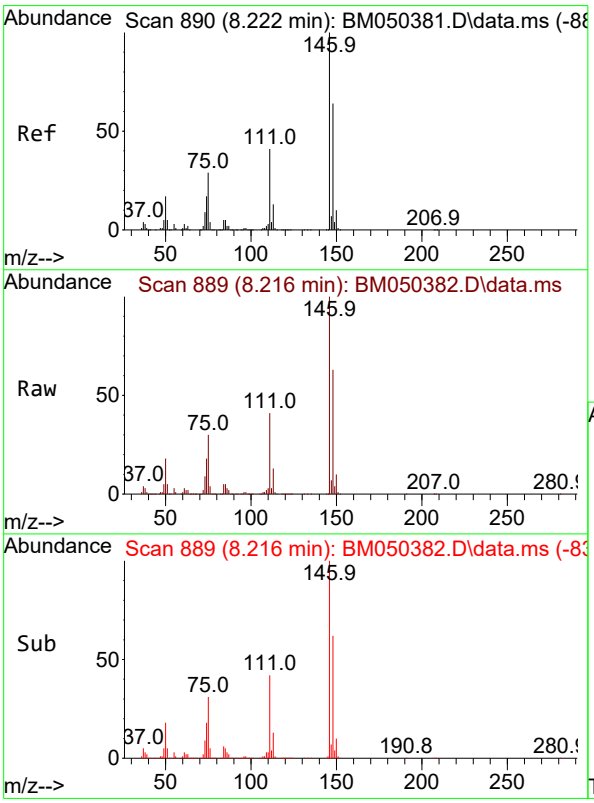

#13
1,4-Dichlorobenzene
Concen: 52.933 ng
RT: 7.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:146 Resp: 1430908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.9 | 77.9 |
| 111 | 38.2 | 30.0 | 45.0 |

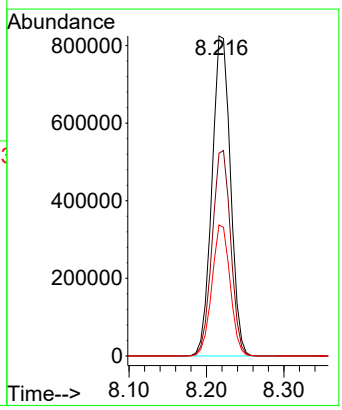


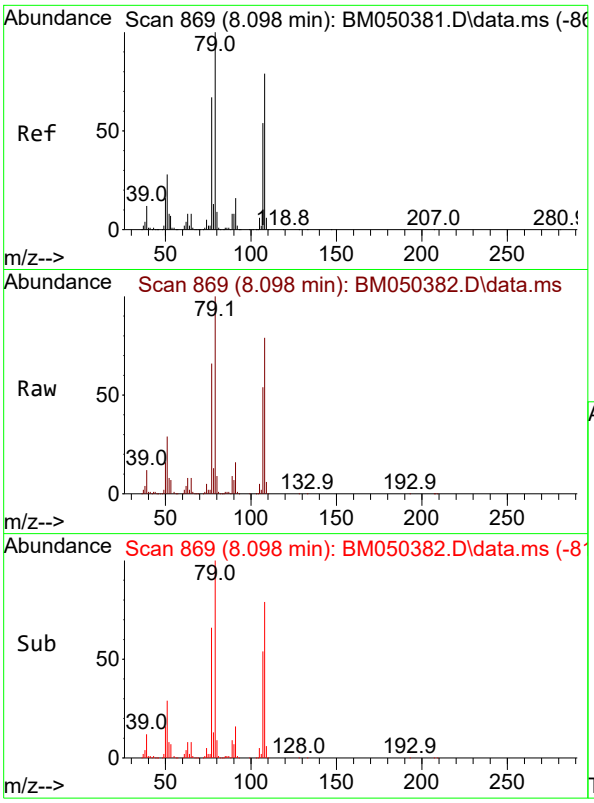




#14
1,2-Dichlorobenzene
Concen: 52.912 ng
RT: 8.216 min Scan# 889
Delta R.T. -0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:146 Resp: 1369382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 51.5 | 77.3 |
| 111 | 40.9 | 32.6 | 49.0 |



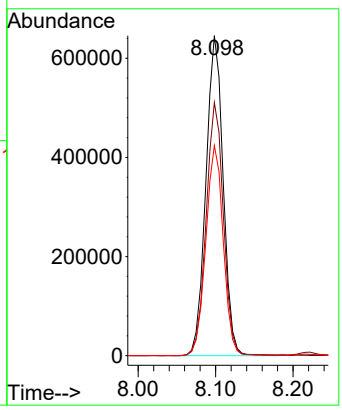


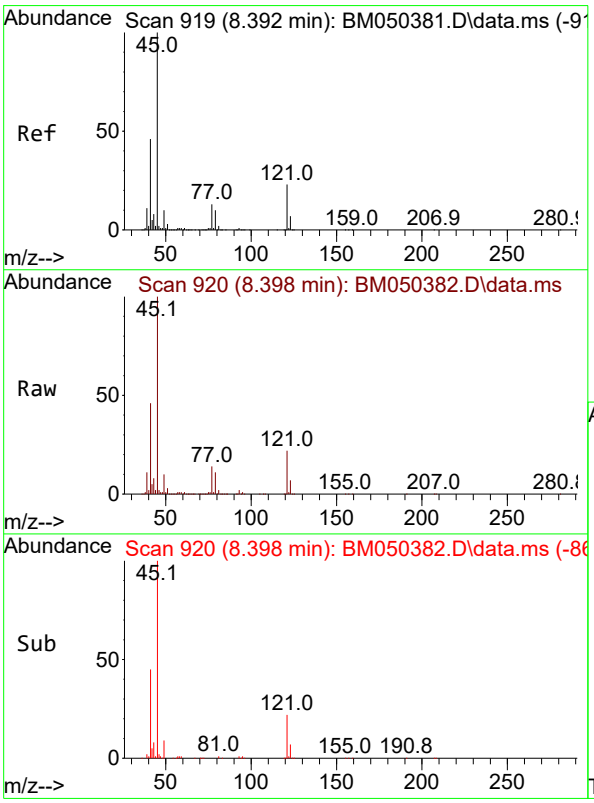

#15
Benzyl Alcohol
Concen: 54.529 ng
RT: 8.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion: 79 Resp: 1000035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 79.1 | 63.0 | 94.4 |
| 77 | 65.7 | 53.4 | 80.0 |

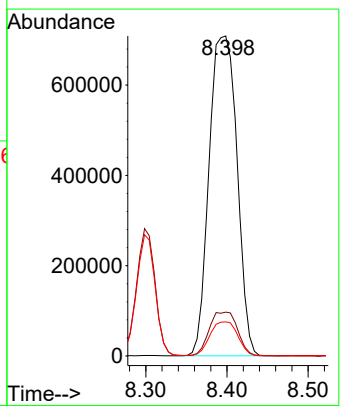


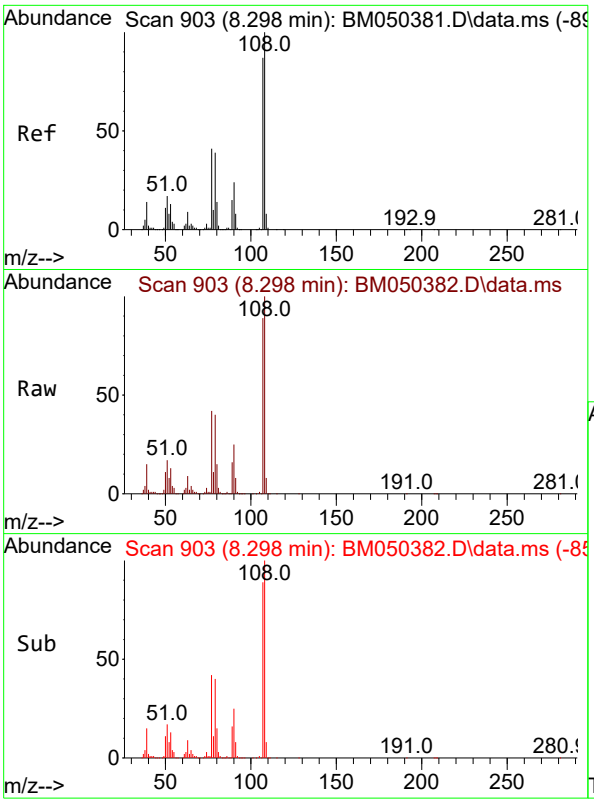




#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.899 ng
RT: 8.398 min Scan# 920
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 45 Resp: 1694093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.7 | 0.0 | 33.5 |
| 79 | 10.7 | 0.0 | 30.3 |



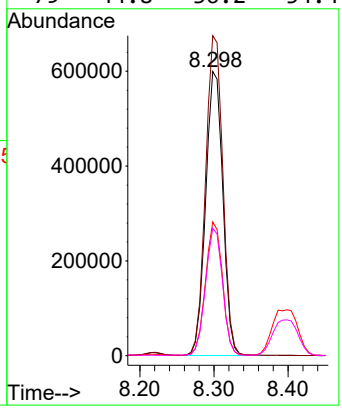


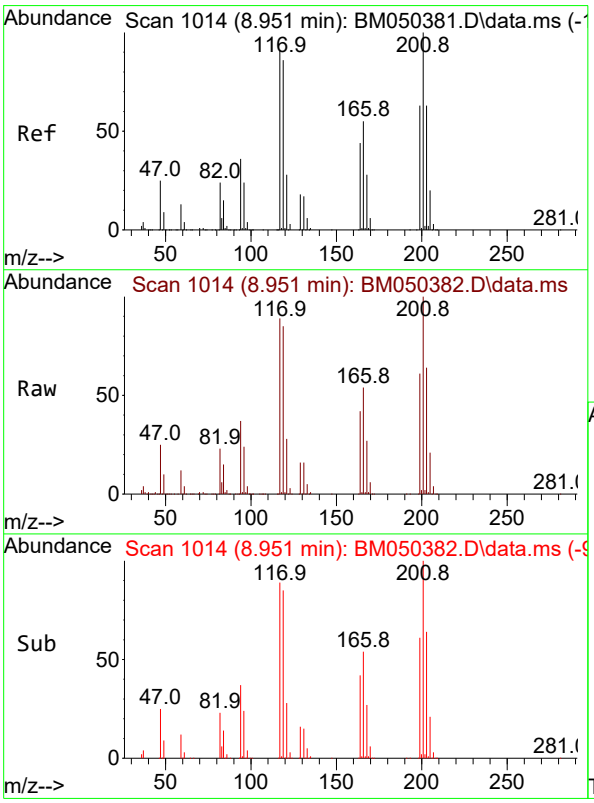

#17
2-Methylphenol
Concen: 54.938 ng
RT: 8.298 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:107 Resp: 967335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.6 | 92.1 | 138.1 |
| 77 | 47.0 | 38.2 | 57.4 |
| 79 | 44.8 | 36.2 | 54.4 |

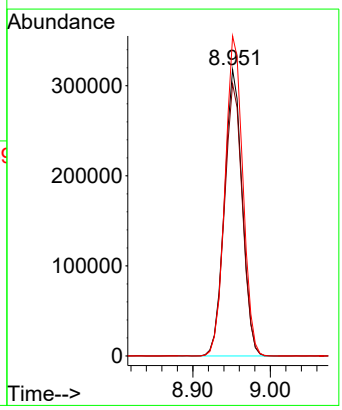


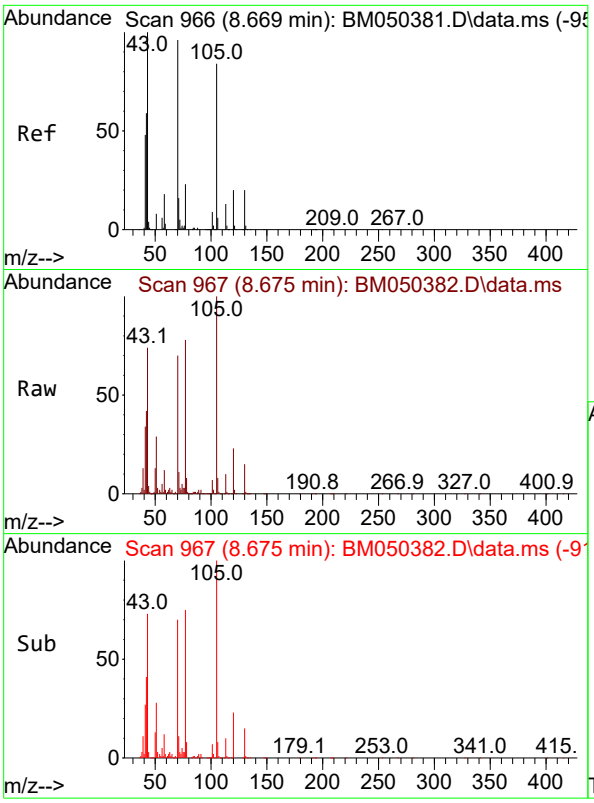




#18
Hexachloroethane
Concen: 53.689 ng
RT: 8.951 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:117 Resp: 510428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.0 | 75.6 | 113.4 |
| 201 | 111.8 | 87.9 | 131.9 |



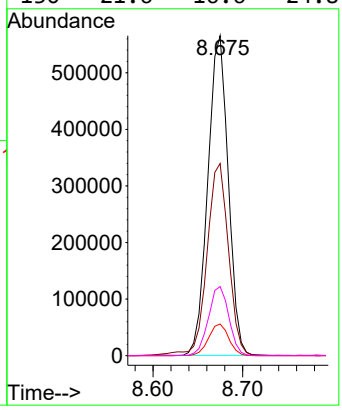


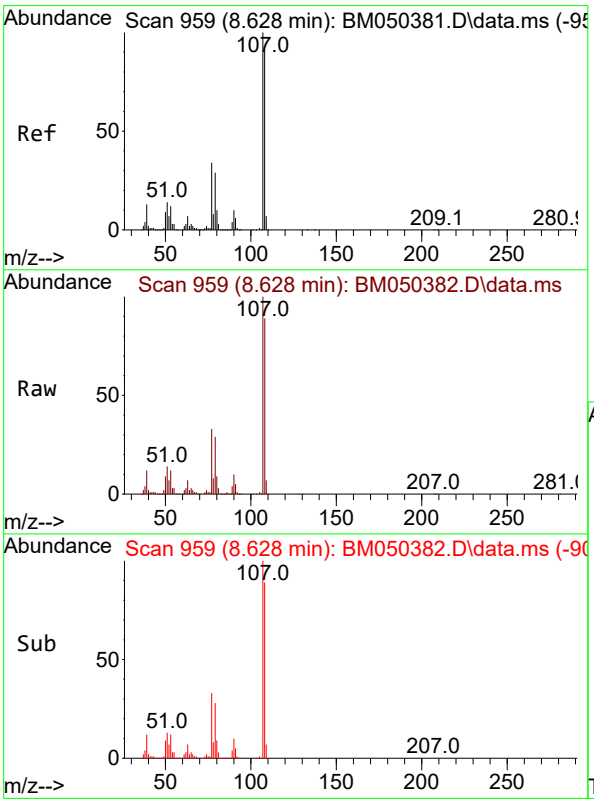

#19
n-Nitroso-di-n-propylamine
Concen: 56.604 ng
RT: 8.675 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion: 70 Resp: 892537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 60.1 | 49.7 | 74.5 |
| 101 | 9.9 | 7.7 | 11.5 |
| 130 | 21.6 | 16.6 | 24.8 |

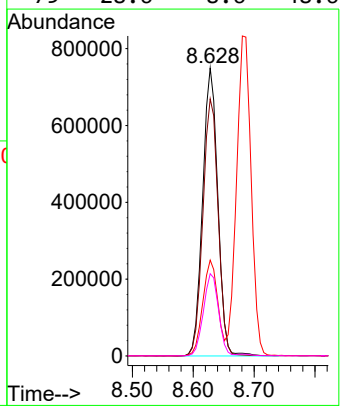


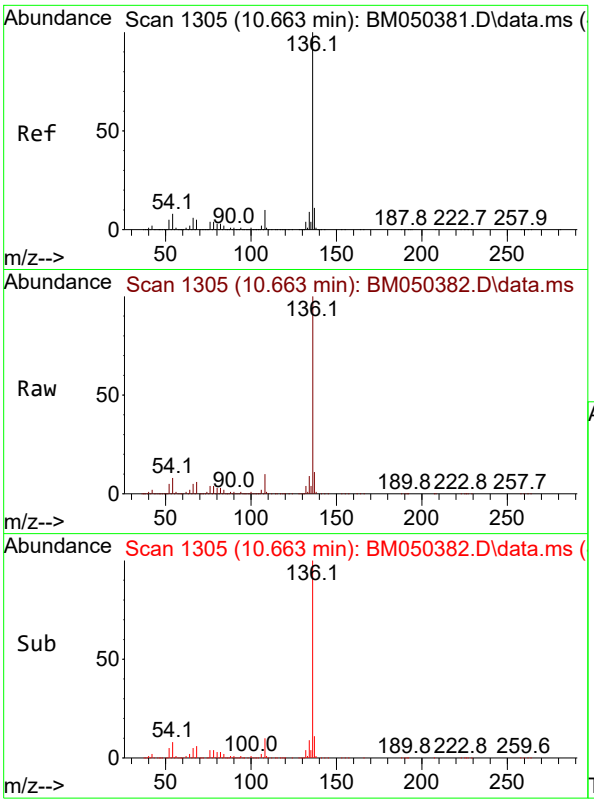




#20
3+4-Methylphenols
Concen: 54.800 ng
RT: 8.628 min Scan# 959
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:107 Resp: 1295330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.3 | 71.5 | 111.5 |
| 77 | 33.3 | 13.7 | 53.7 |
| 79 | 28.6 | 8.6 | 48.6 |



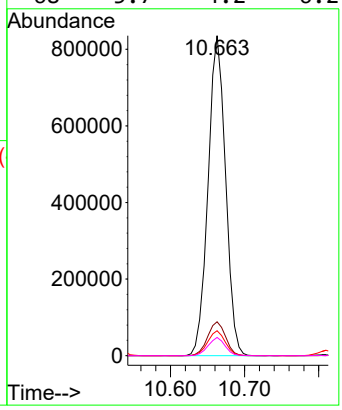


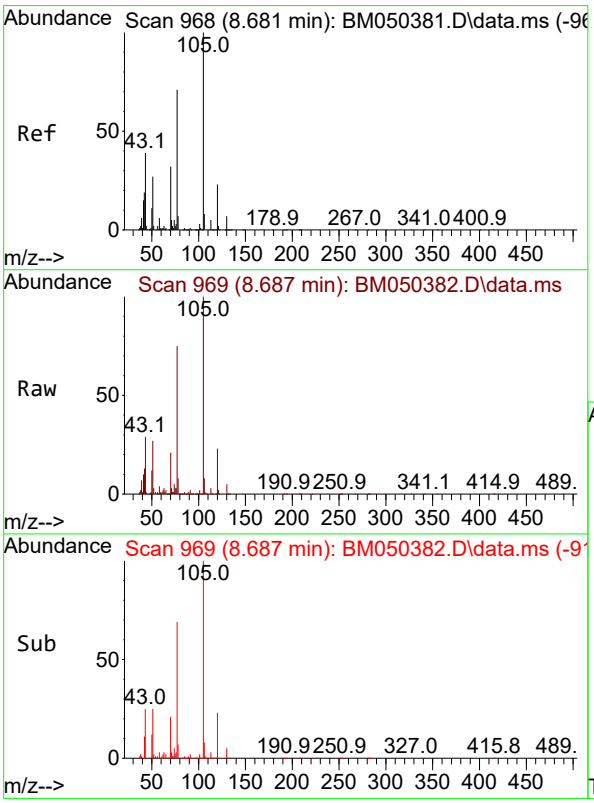

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:136 Resp: 1368622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.8 | 13.2 |
| 54 | 7.8 | 6.3 | 9.5 |
| 68 | 5.7 | 4.2 | 6.2 |

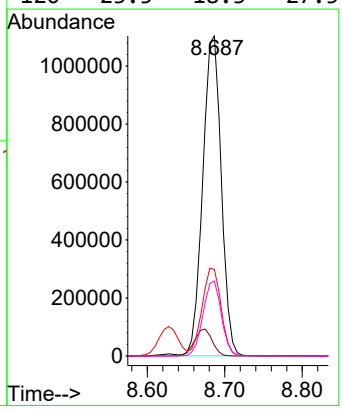


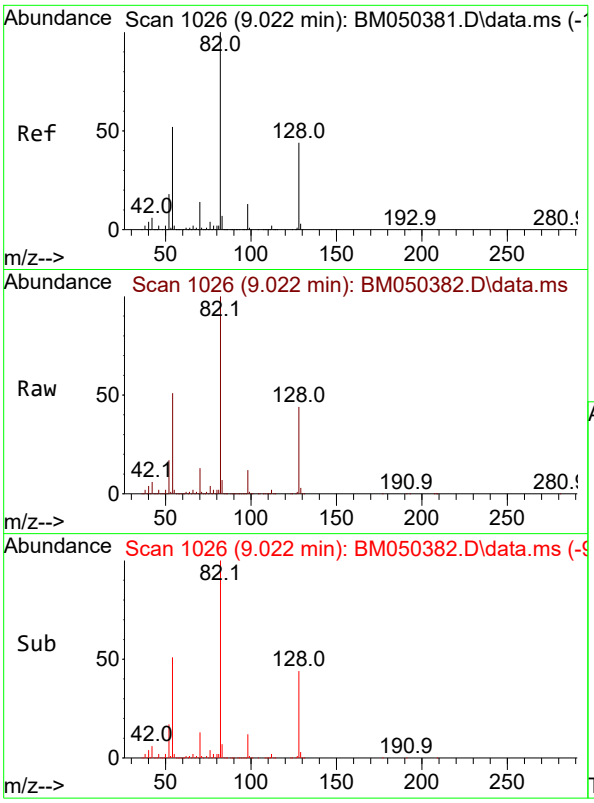




#22
Acetophenone
Concen: 53.438 ng
RT: 8.687 min Scan# 969
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:105 Resp: 1828595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 3.3 | 4.4 | 6.6# |
| 51 | 27.0 | 23.0 | 34.6 |
| 120 | 23.5 | 18.3 | 27.5 |



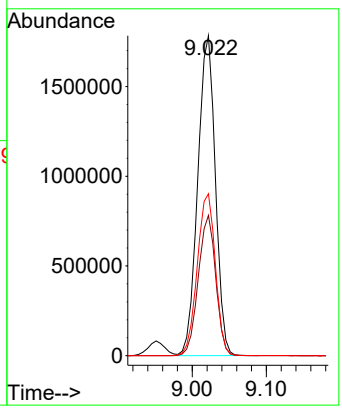


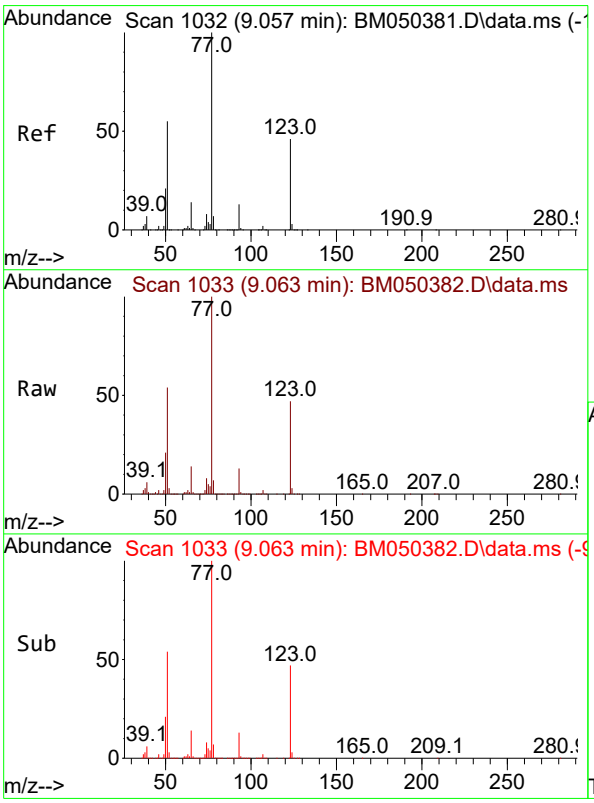

#23
Nitrobenzene-d5
Concen: 109.508 ng
RT: 9.022 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion: 82 Resp: 2937689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.9 | 35.2 | 52.8 |
| 54 | 50.6 | 41.5 | 62.3 |

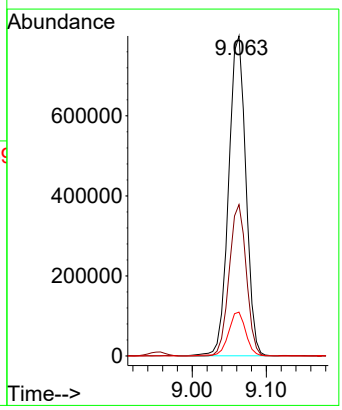


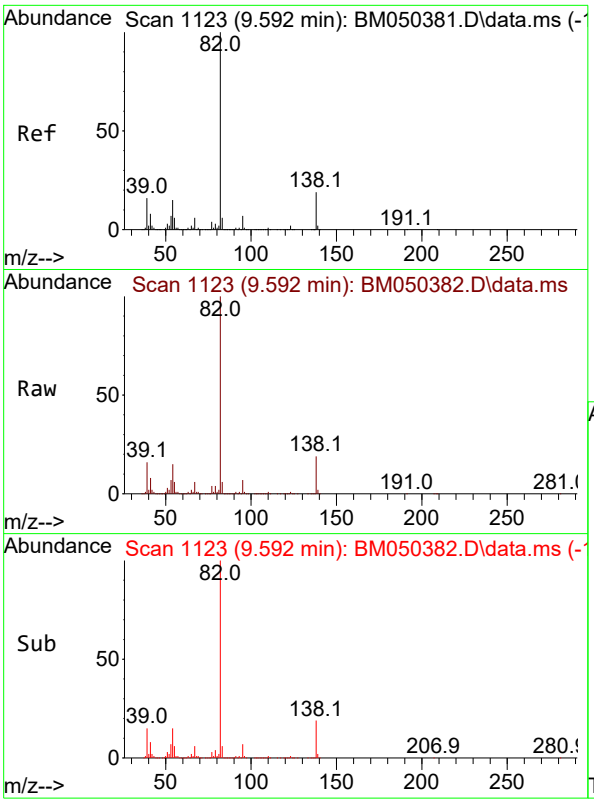




#24
Nitrobenzene
Concen: 53.879 ng
RT: 9.063 min Scan# 1033
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 77 Resp: 1289779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.3 | 37.0 | 55.6 |
| 65 | 13.7 | 11.0 | 16.4 |



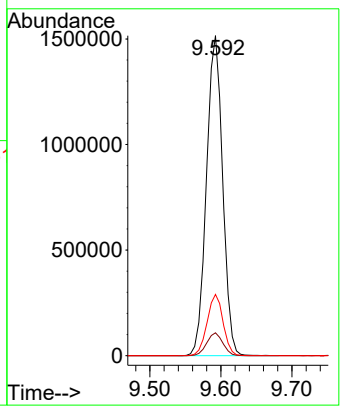


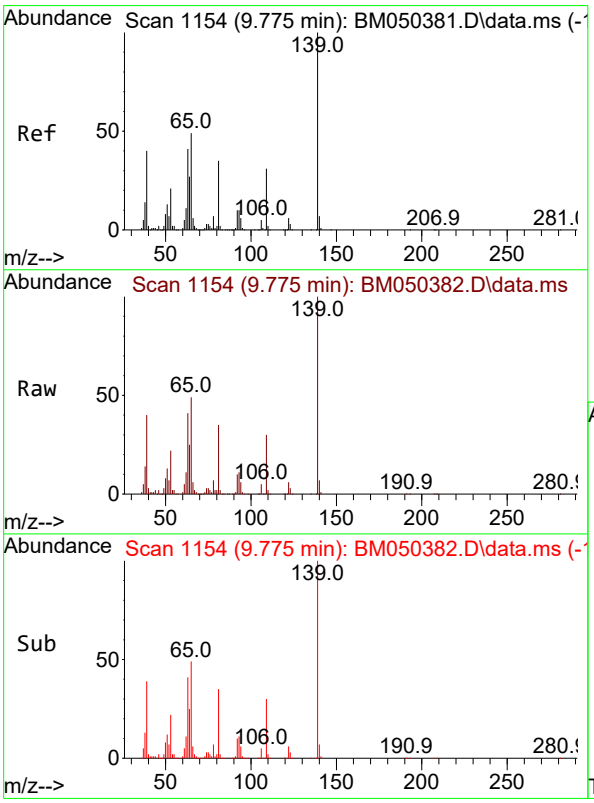

#25
Isophorone
Concen: 55.168 ng
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion: 82 Resp: 2401483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.2 | 5.6 | 8.4 |
| 138 | 19.2 | 15.3 | 22.9 |

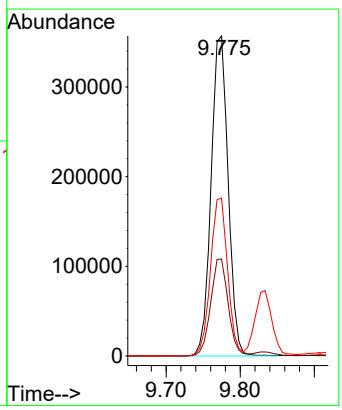


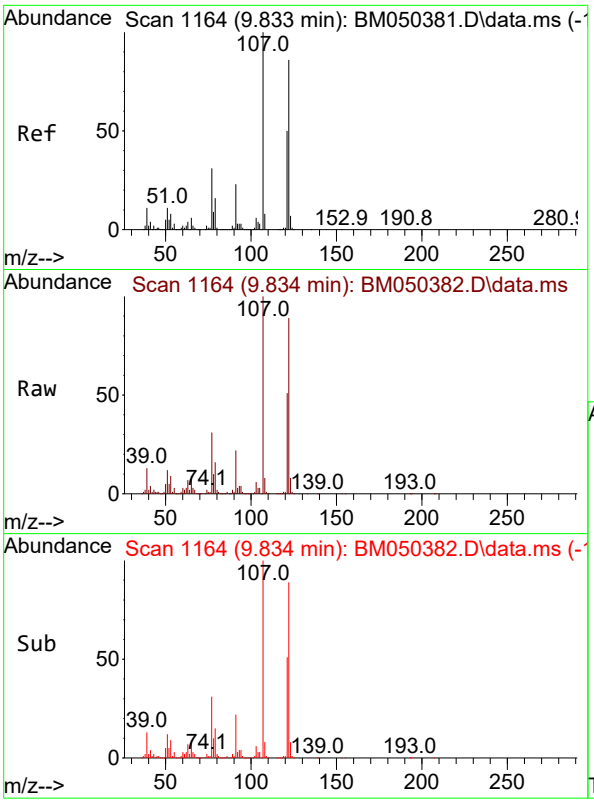




#26
2-Nitrophenol
Concen: 58.414 ng
RT: 9.775 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:139 Resp: 569906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.3 | 24.6 | 36.8 |
| 65 | 49.3 | 39.2 | 58.8 |



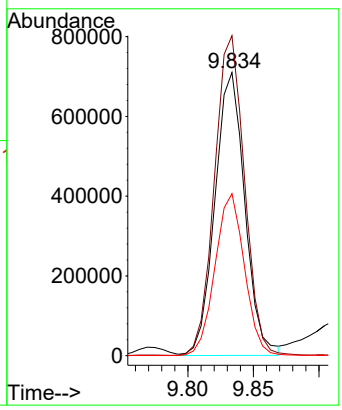


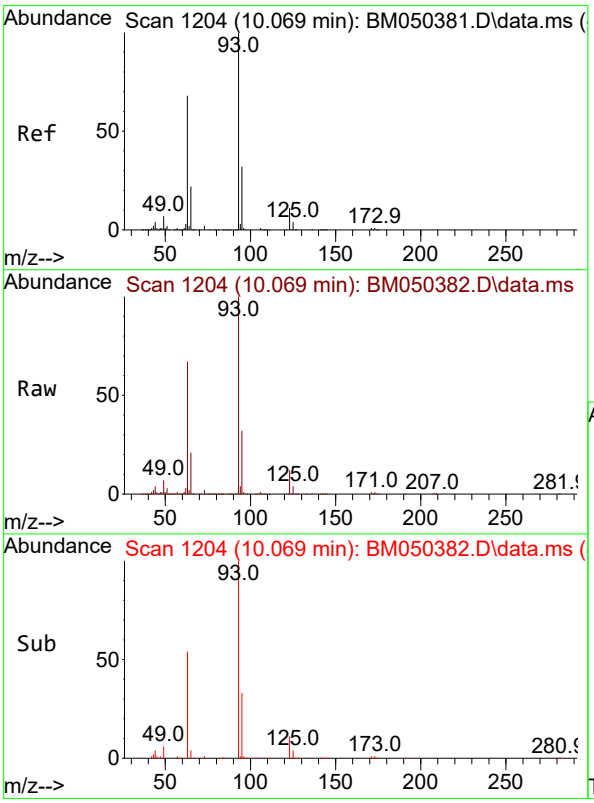

#27
2,4-Dimethylphenol
Concen: 54.178 ng
RT: 9.834 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:122 Resp: 1124761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 113.0 | 93.0 | 139.6 |
| 121 | 57.2 | 46.1 | 69.1 |

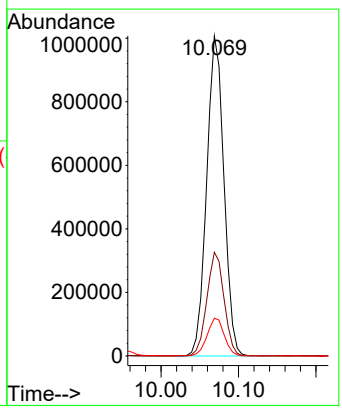


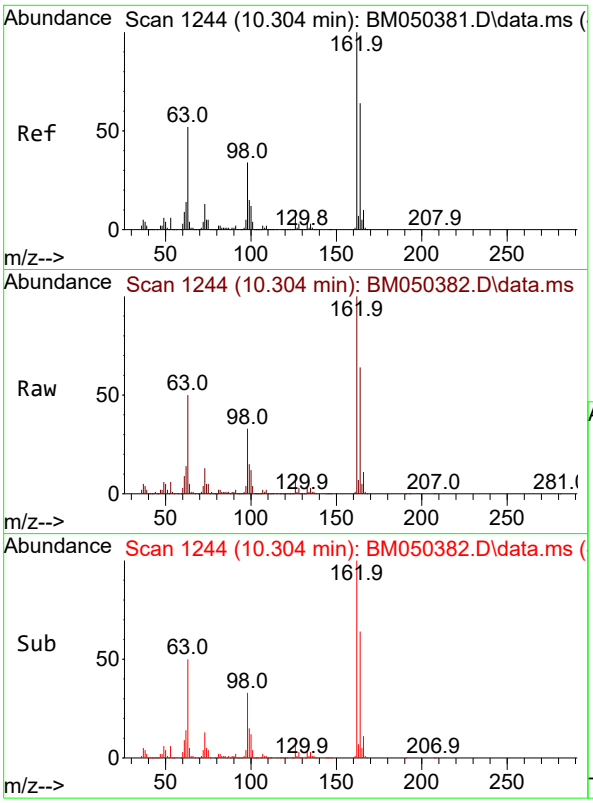




#28
bis(2-Chloroethoxy)methane
Concen: 53.910 ng
RT: 10.069 min Scan# 1204
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 93 Resp: 1555003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 25.8 | 38.6 |
| 123 | 11.8 | 9.1 | 13.7 |



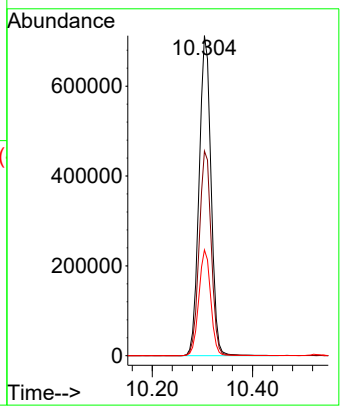


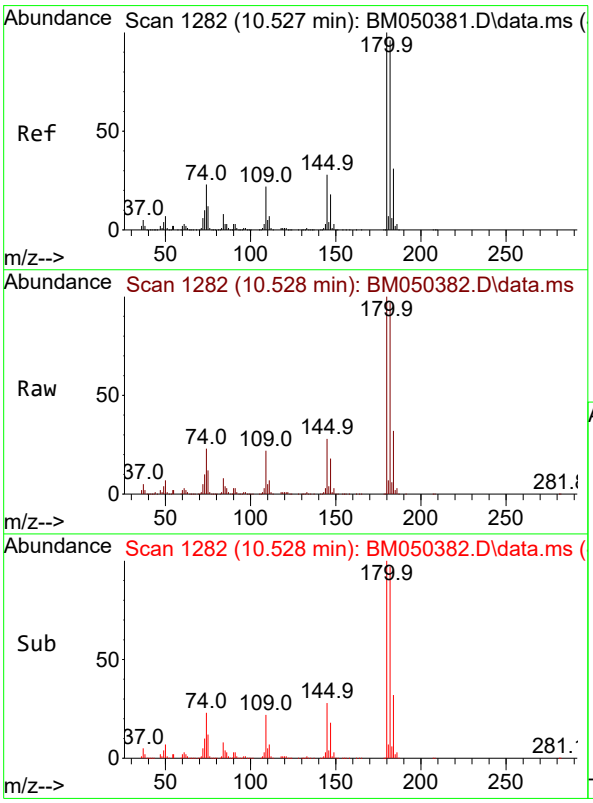

#29
2,4-Dichlorophenol
Concen: 55.130 ng
RT: 10.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:162 Resp: 1175856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.0 | 43.7 | 83.7 |
| 98 | 33.0 | 13.7 | 53.7 |

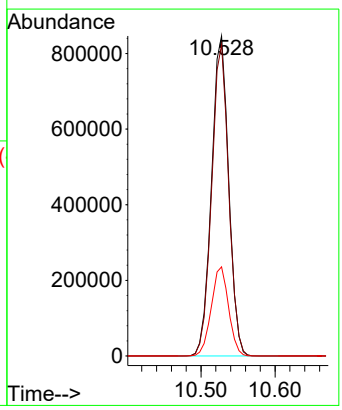


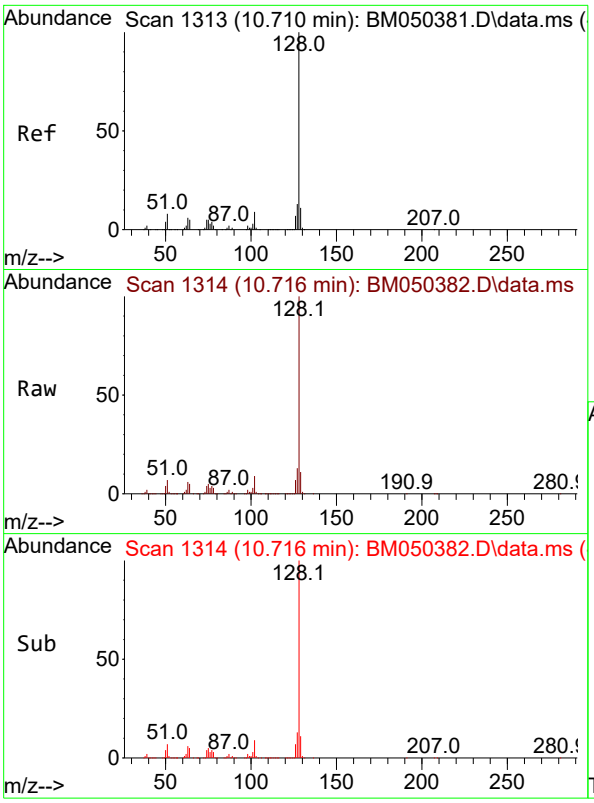




#30
1,2,4-Trichlorobenzene
Concen: 53.267 ng
RT: 10.528 min Scan# 1282
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:180 Resp: 1359109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.3 | 76.8 | 115.2 |
| 145 | 27.9 | 22.6 | 33.8 |



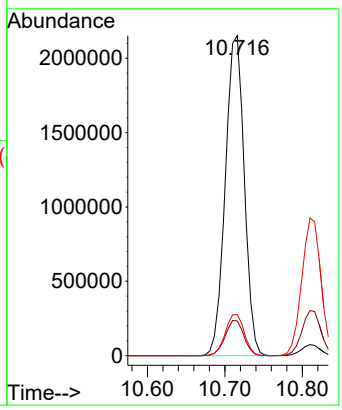


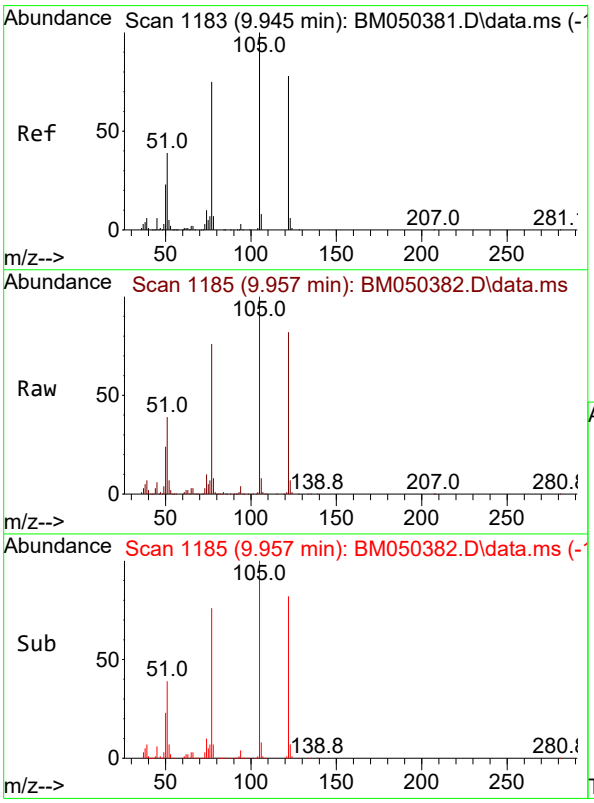

#31
Naphthalene
Concen: 52.691 ng
RT: 10.716 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:128 Resp: 3662846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.8 | 13.2 |
| 127 | 12.8 | 10.4 | 15.6 |

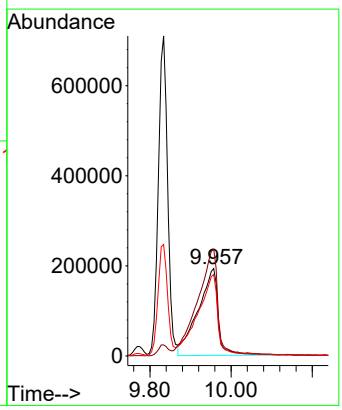


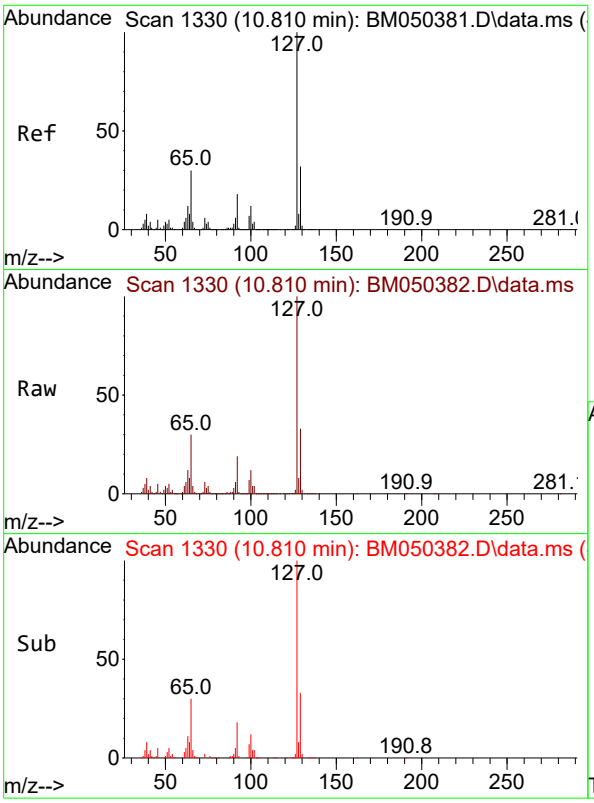




#32
Benzoic acid
Concen: 51.765 ng
RT: 9.957 min Scan# 1185
Delta R.T. 0.012 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:122 Resp: 666467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 122.1 | 104.0 | 144.0 |
| 77 | 93.3 | 73.8 | 113.8 |



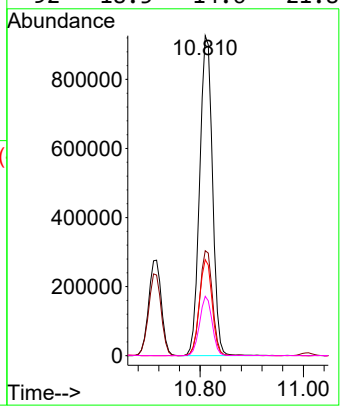


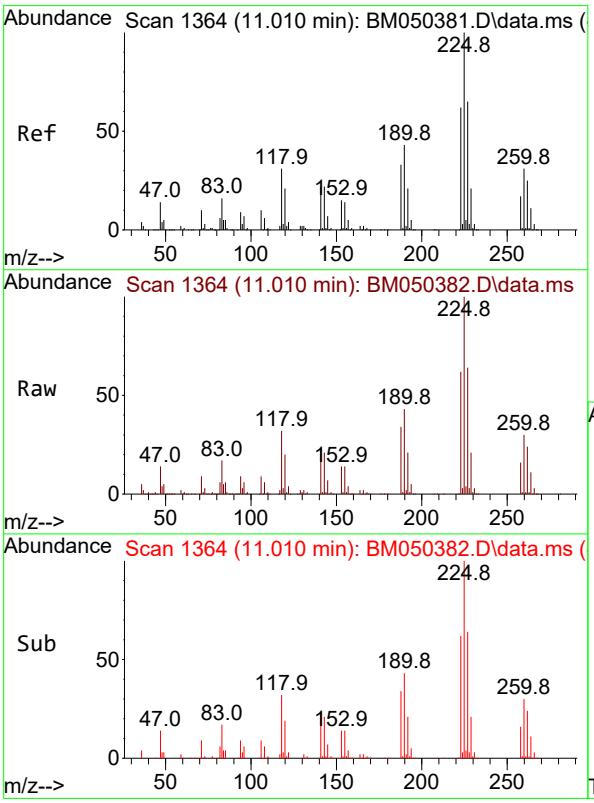

#33
4-Chloroaniline
Concen: 54.189 ng
RT: 10.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:127 Resp: 1592528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.8 | 25.5 | 38.3 |
| 65 | 30.0 | 23.9 | 35.9 |
| 92 | 18.5 | 14.6 | 21.8 |

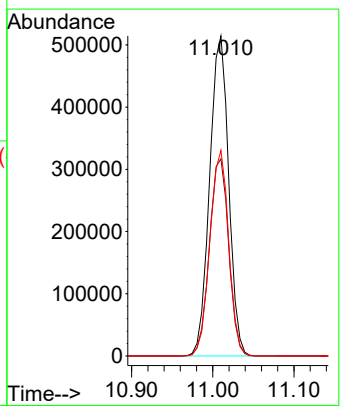


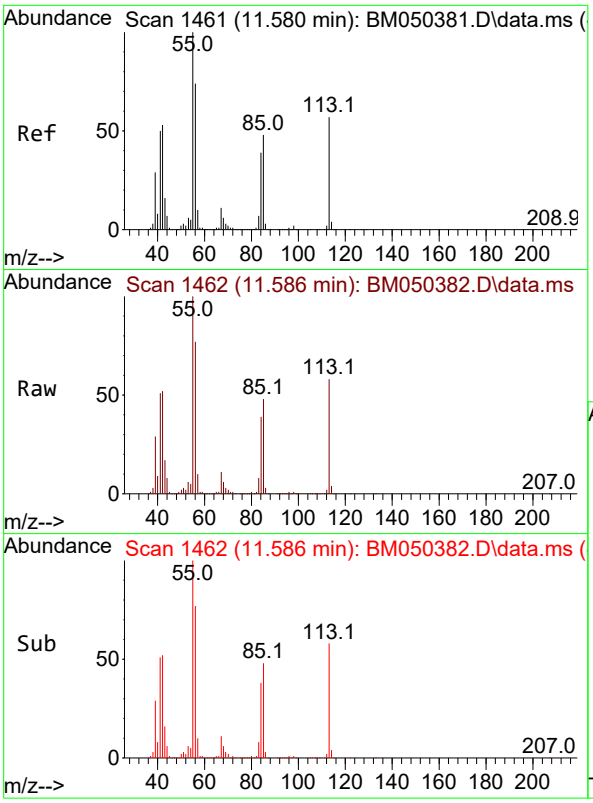




#34
Hexachlorobutadiene
Concen: 53.639 ng
RT: 11.010 min Scan# 1364
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:225 Resp: 835314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.6 | 49.7 | 74.5 |
| 227 | 64.2 | 52.1 | 78.1 |



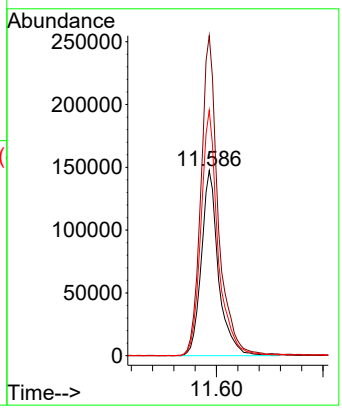


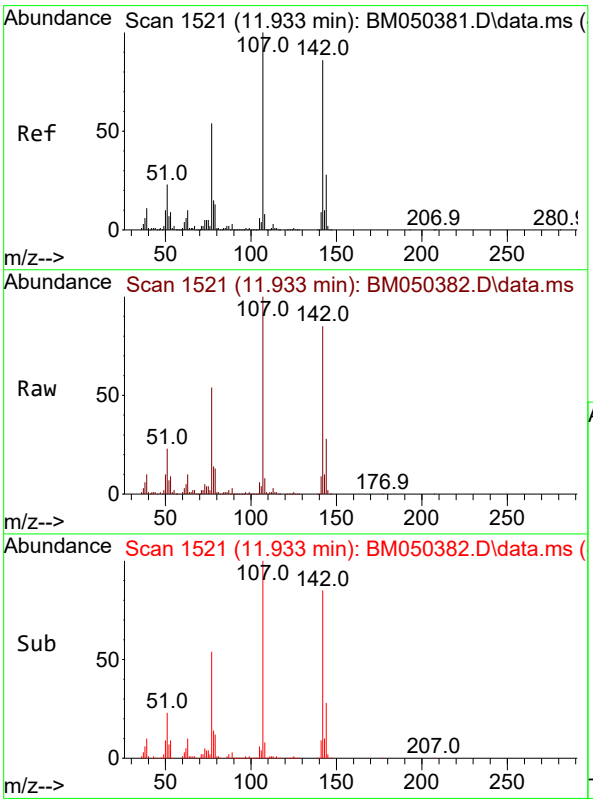

#35
Caprolactam
Concen: 56.364 ng
RT: 11.586 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:113 Resp: 328173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 172.8 | 157.2 | 197.2 |
| 56 | 132.6 | 111.7 | 151.7 |

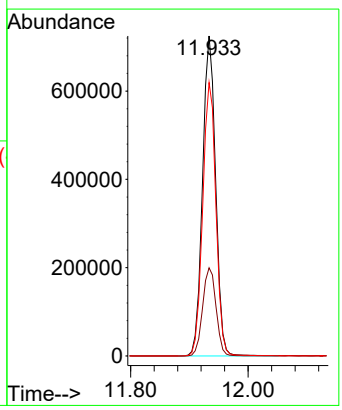


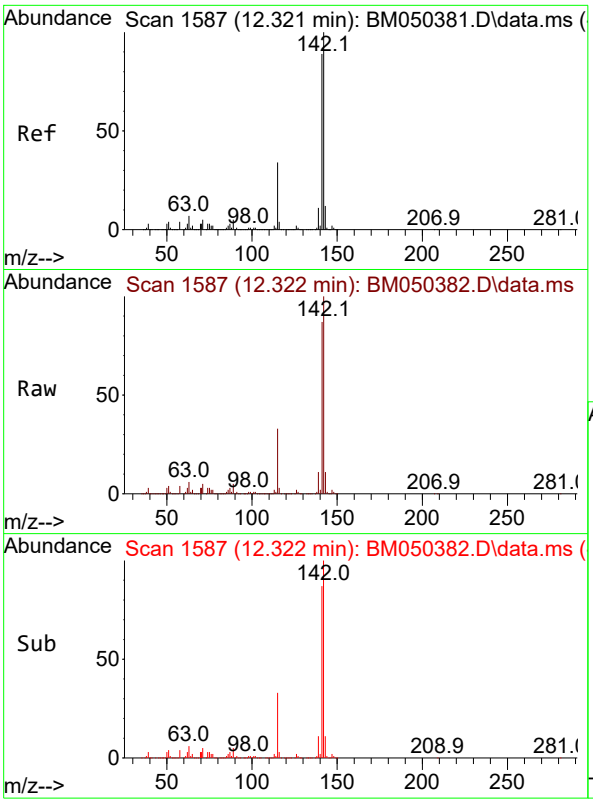




#36
4-Chloro-3-methylphenol
Concen: 55.959 ng
RT: 11.933 min Scan# 1521
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:107 Resp: 1114543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 27.6 | 22.2 | 33.4 |
| 142 | 85.4 | 68.7 | 103.1 |



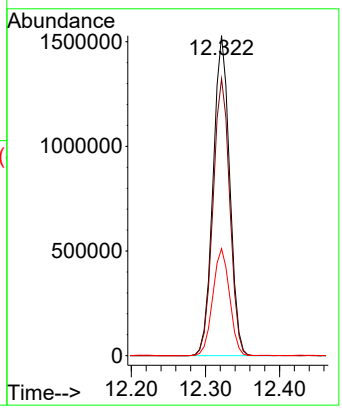


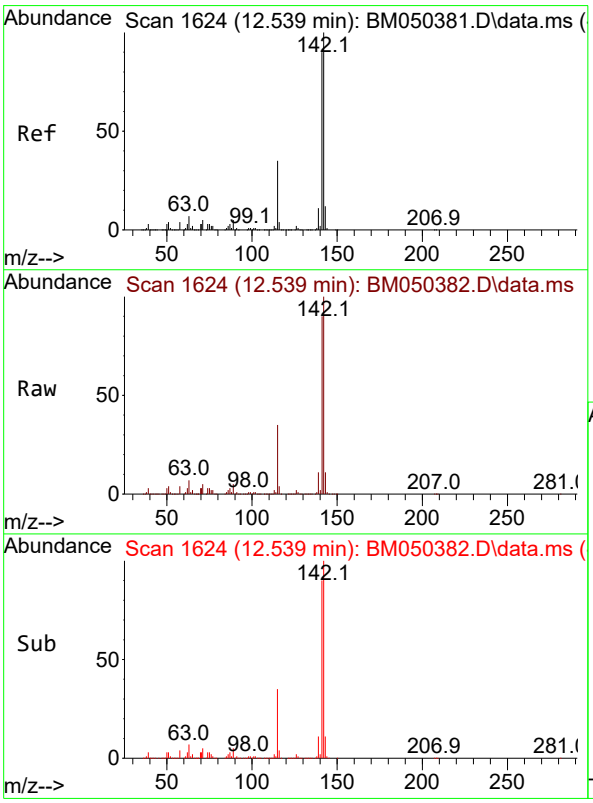

#37
2-Methylnaphthalene
Concen: 53.990 ng
RT: 12.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:142 Resp: 2369763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.6 | 70.8 | 106.2 |
| 115 | 33.5 | 27.0 | 40.4 |

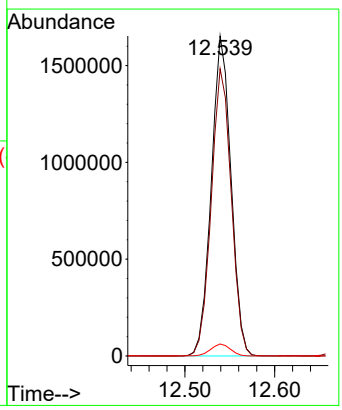


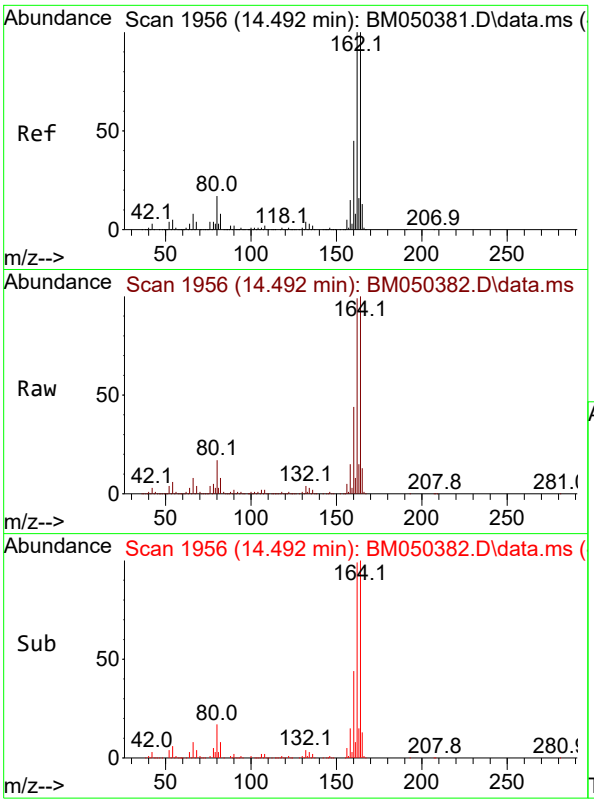




#38
1-Methylnaphthalene
Concen: 54.226 ng
RT: 12.539 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:142 Resp: 2518911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.7 | 71.9 | 107.9 |
| 116 | 3.8 | 3.0 | 4.6 |



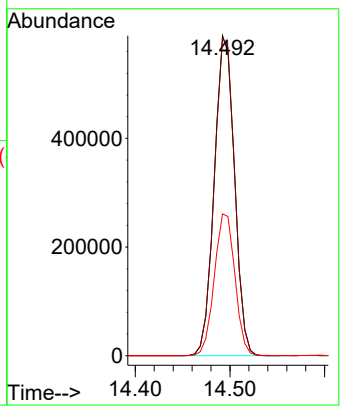


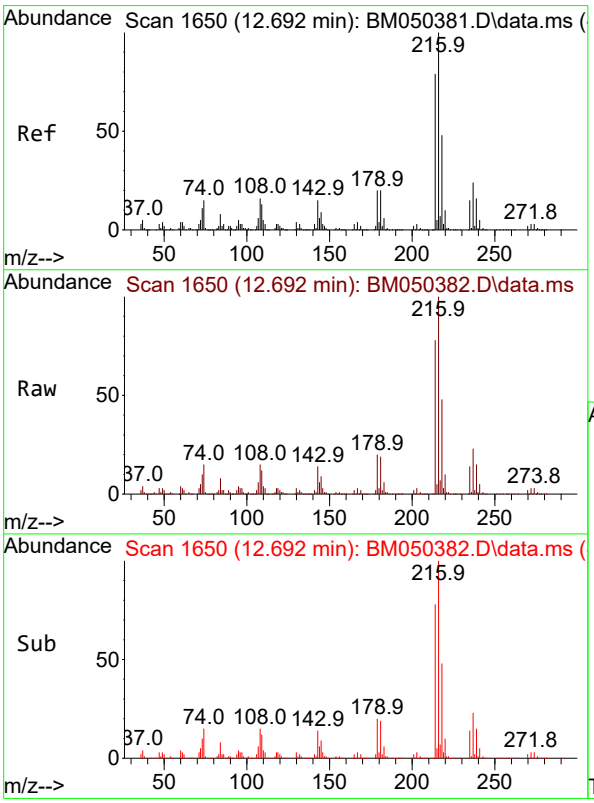

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:164 Resp: 874077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.1 | 79.9 | 119.9 |
| 160 | 44.3 | 36.2 | 54.4 |

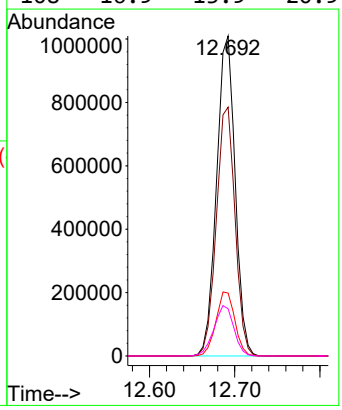


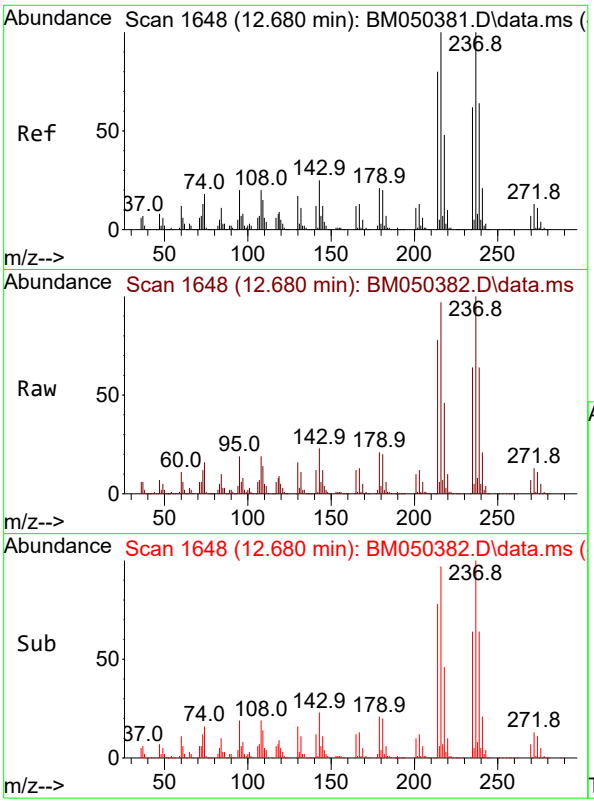




#40
1,2,4,5-Tetrachlorobenzene
Concen: 55.004 ng
RT: 12.692 min Scan# 1650
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:216 Resp: 1528897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.4 | 63.3 | 94.9 |
| 179 | 20.4 | 16.4 | 24.6 |
| 108 | 16.9 | 13.9 | 20.9 |



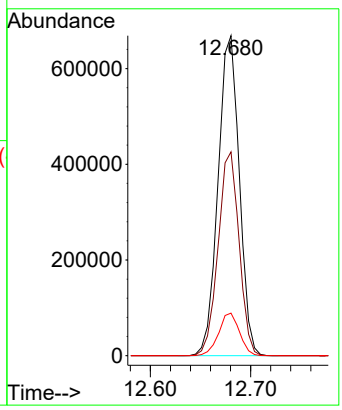


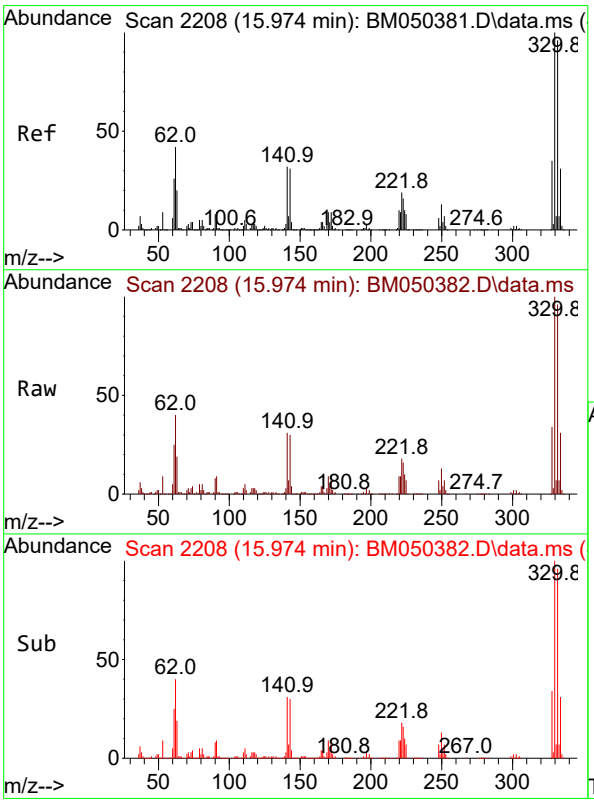

#41
Hexachlorocyclopentadiene
Concen: 55.306 ng
RT: 12.680 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:237 Resp: 982675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.7 | 42.3 | 82.3 |
| 272 | 13.3 | 0.0 | 33.0 |

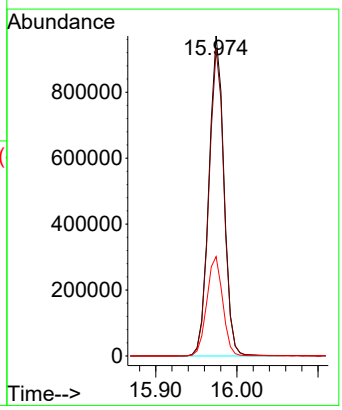


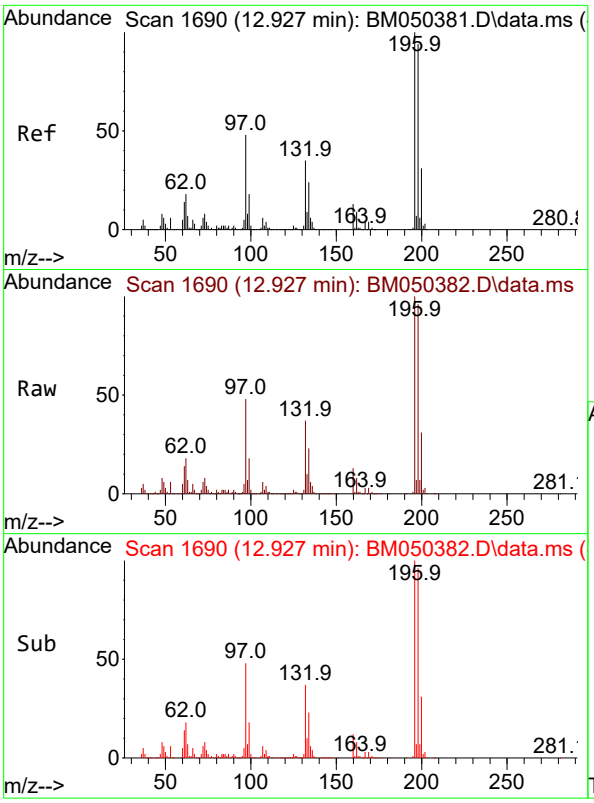




#42
2,4,6-Tribromophenol
Concen: 117.361 ng
RT: 15.974 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:330 Resp: 1246384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 76.9 | 115.3 |
| 141 | 32.9 | 27.4 | 41.0 |



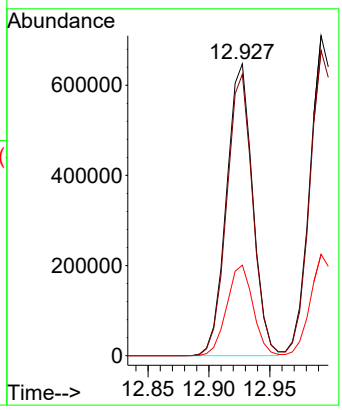


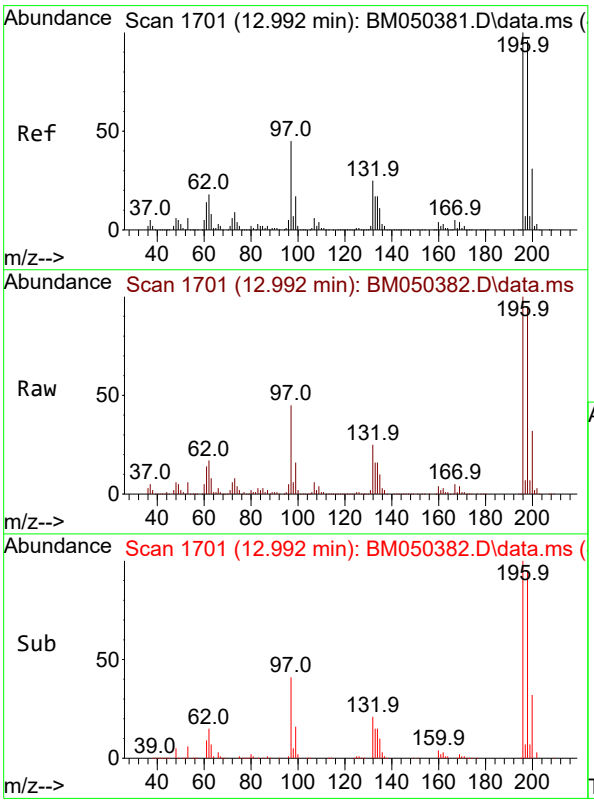

#43
2,4,6-Trichlorophenol
Concen: 56.583 ng
RT: 12.927 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:196 Resp: 968128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.4 | 75.1 | 112.7 |
| 200 | 31.0 | 24.6 | 37.0 |

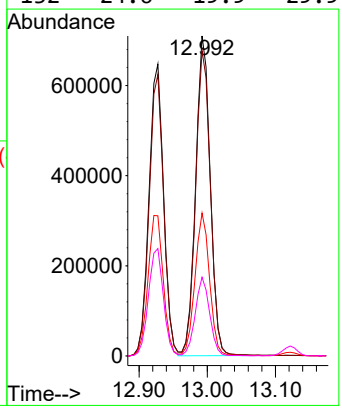


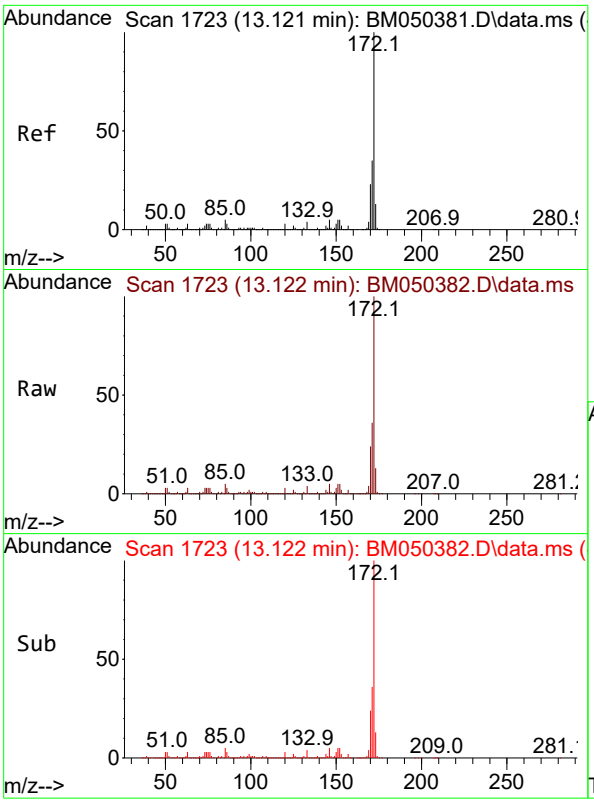




#44
2,4,5-Trichlorophenol
Concen: 56.628 ng
RT: 12.992 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:196 Resp: 1058158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.4 | 77.2 | 115.8 |
| 97 | 44.6 | 36.2 | 54.4 |
| 132 | 24.6 | 19.9 | 29.9 |



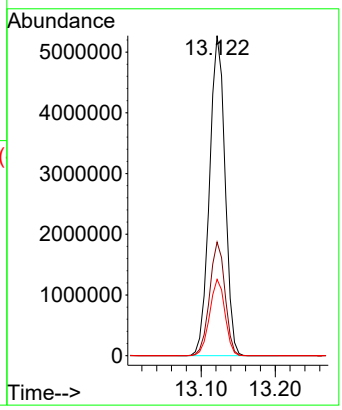


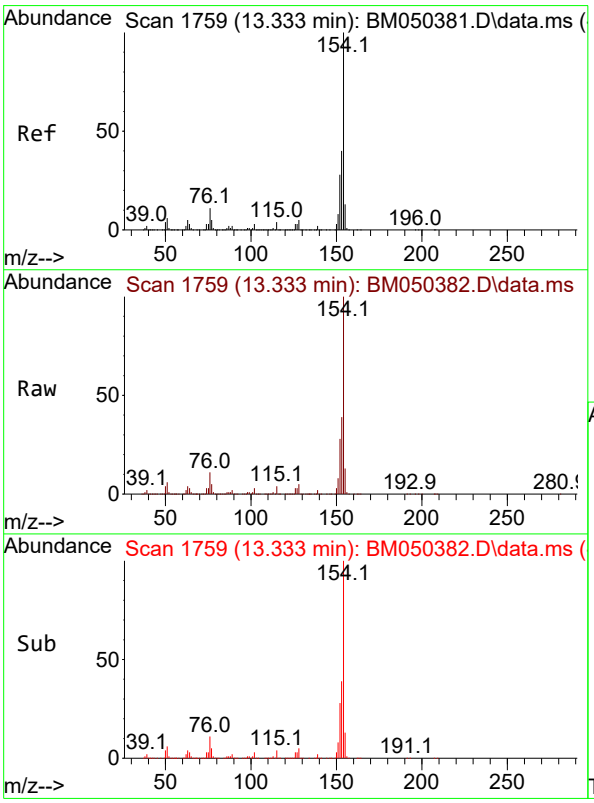

#45
2-Fluorobiphenyl
Concen: 108.218 ng
RT: 13.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:172 Resp: 7659625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 27.7 | 41.5 |
| 170 | 23.9 | 18.8 | 28.2 |

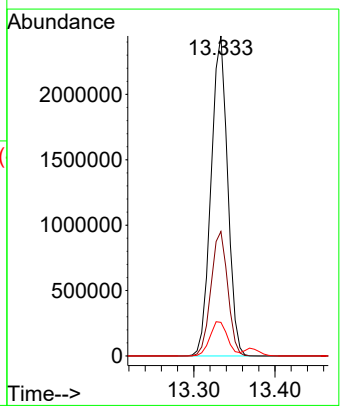


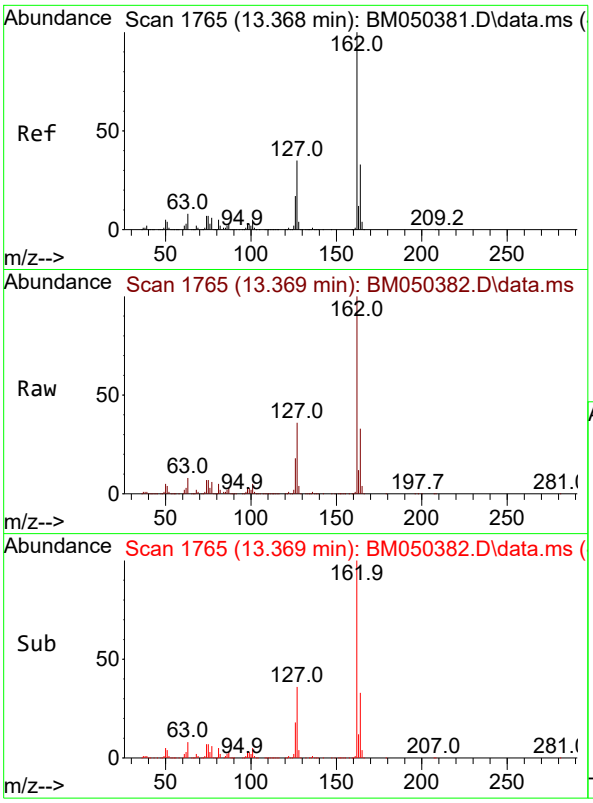




#46
1,1'-Biphenyl
Concen: 53.449 ng
RT: 13.333 min Scan# 1759
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:154 Resp: 3466190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 38.9 | 19.7 | 59.7 |
| 76 | 10.5 | 0.0 | 30.9 |



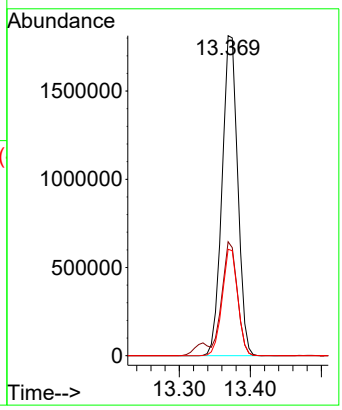


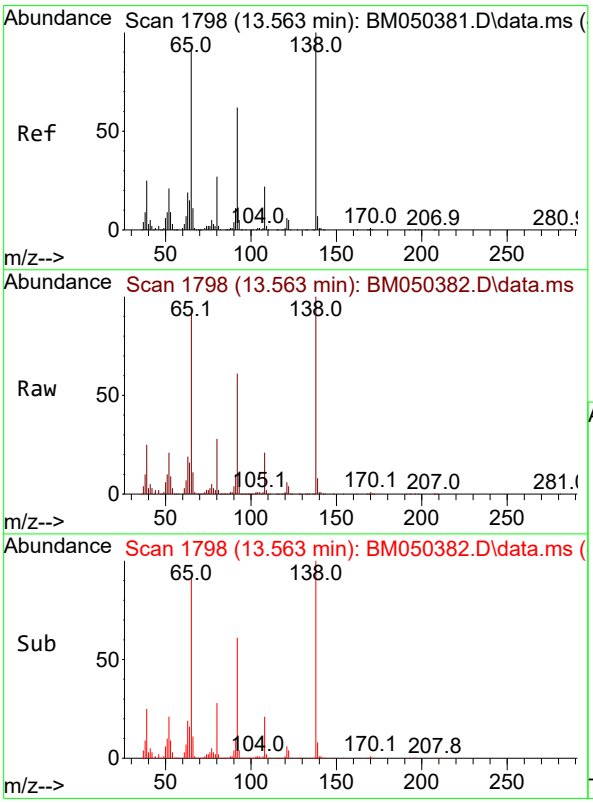

#47
2-Chloronaphthalene
Concen: 53.538 ng
RT: 13.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:162 Resp: 2768272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 35.6 | 28.3 | 42.5 |
| 164 | 33.3 | 26.6 | 40.0 |

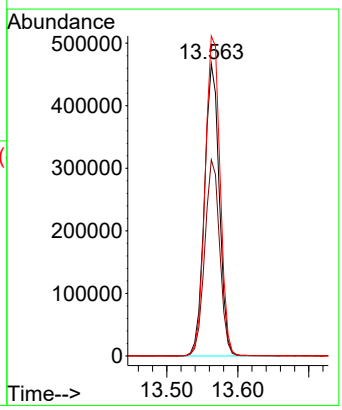


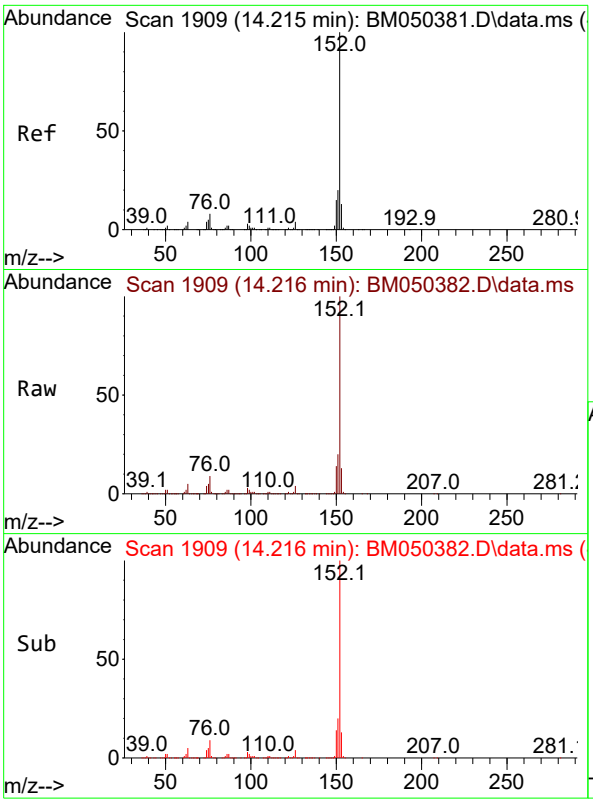




#48
2-Nitroaniline
Concen: 59.115 ng
RT: 13.563 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 65 Resp: 682263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 67.2 | 54.3 | 81.5 |
| 138 | 109.6 | 87.8 | 131.6 |



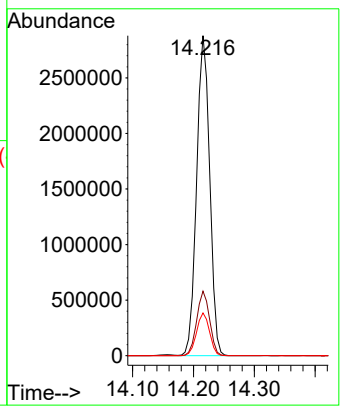


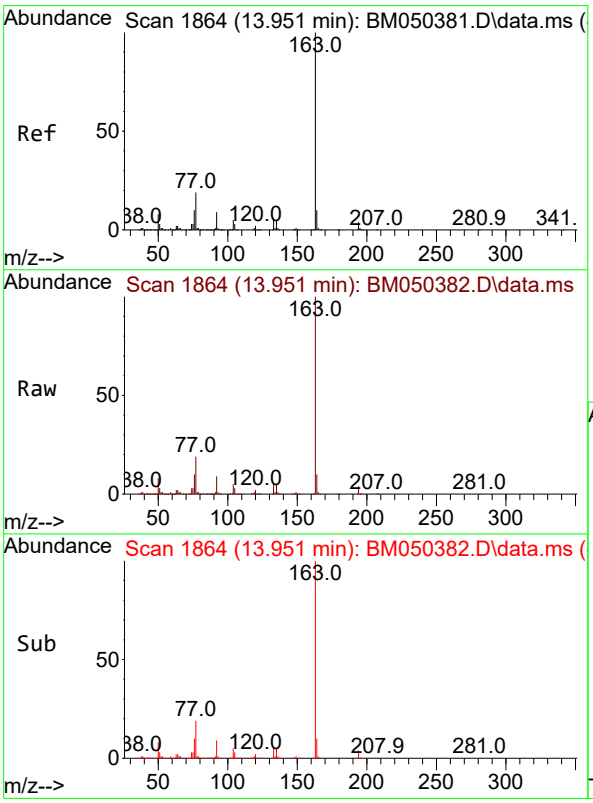

#49
Acenaphthylene
Concen: 54.707 ng
RT: 14.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:152 Resp: 4274915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.3 | 24.5 |
| 153 | 13.4 | 10.6 | 15.8 |

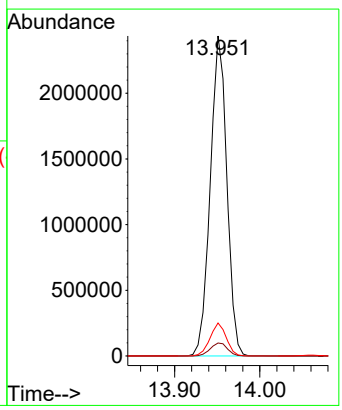


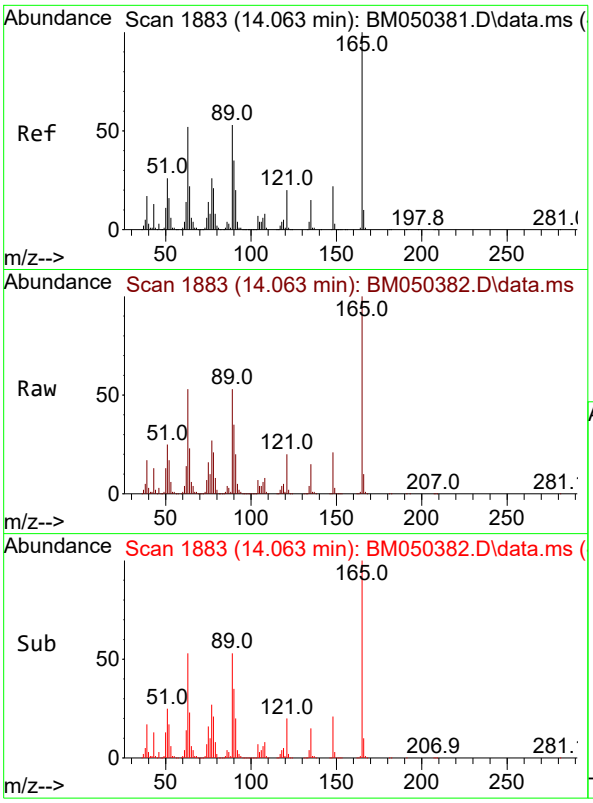




#50
Dimethylphthalate
Concen: 54.681 ng
RT: 13.951 min Scan# 1864
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:163 Resp: 3290612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.4 | 5.2 |
| 164 | 10.3 | 8.2 | 12.2 |



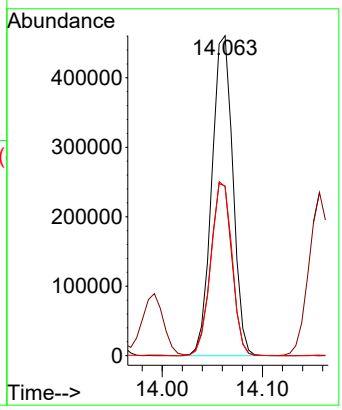


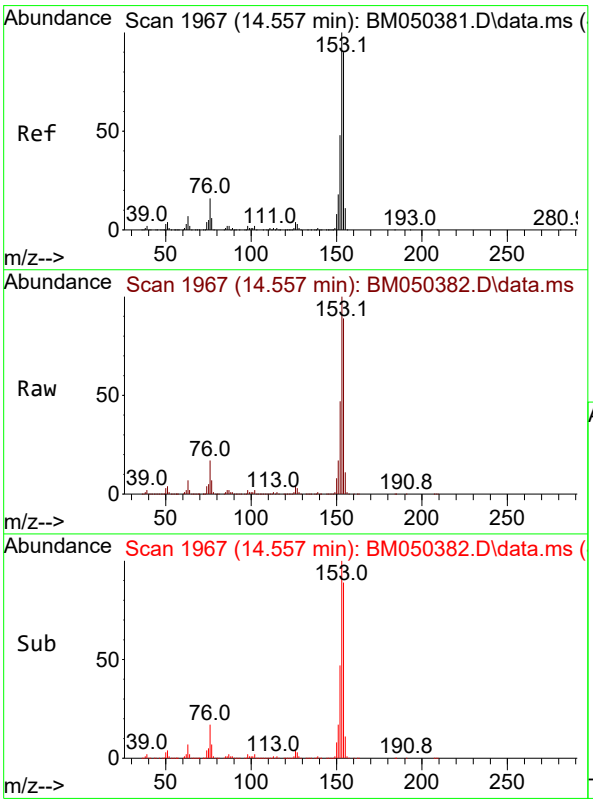

#51
2,6-Dinitrotoluene
Concen: 58.189 ng
RT: 14.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:165 Resp: 672335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.0 | 42.4 | 63.6 |
| 89 | 52.8 | 42.2 | 63.2 |

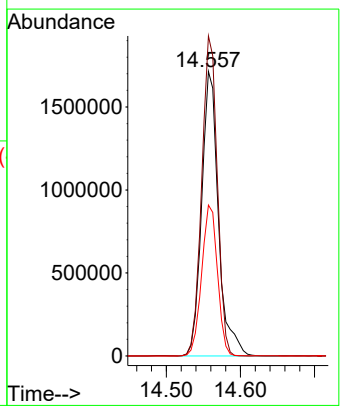


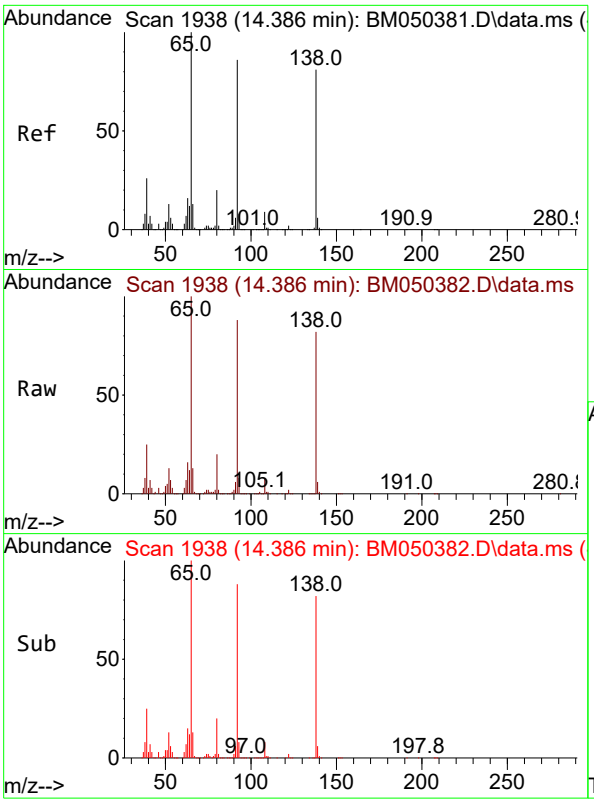




#52
Acenaphthene
Concen: 54.128 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:154 Resp: 2689063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.5 | 89.2 | 133.8 |
| 152 | 53.0 | 42.6 | 64.0 |



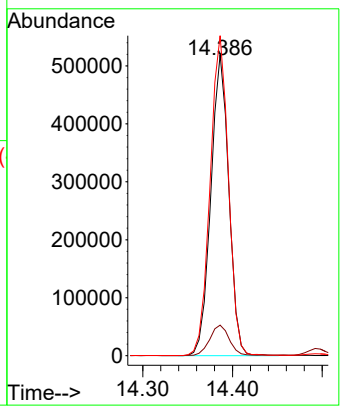


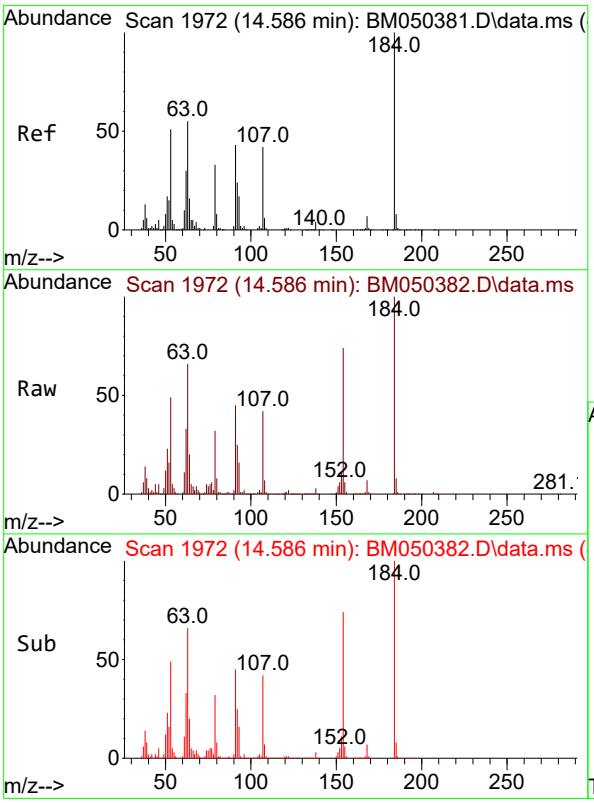

#53
3-Nitroaniline
Concen: 58.770 ng
RT: 14.386 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:138 Resp: 722162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.2 | 8.8 | 13.2 |
| 92 | 106.3 | 85.0 | 127.6 |

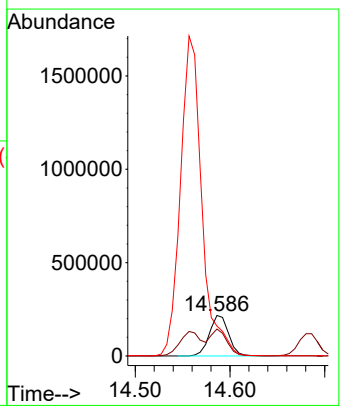


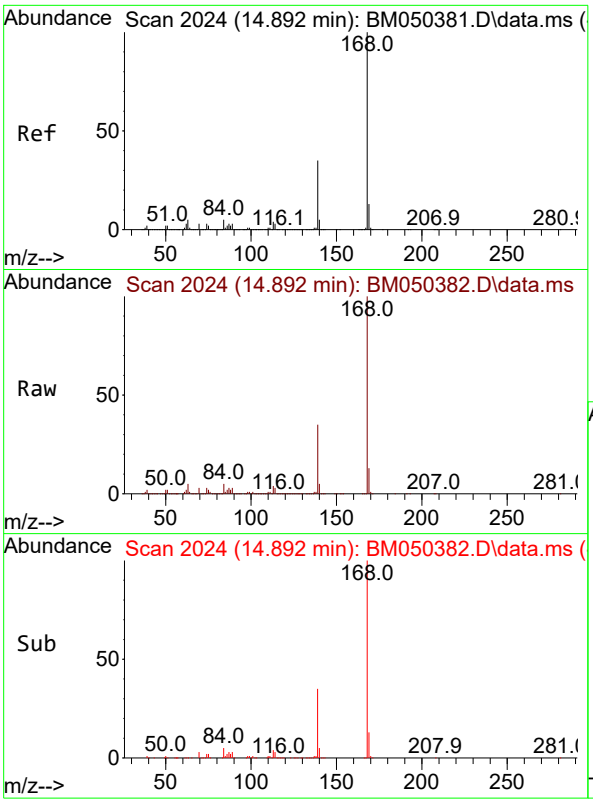




#54
2,4-Dinitrophenol
Concen: 50.427 ng
RT: 14.586 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:184 Resp: 305096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 66.4 | 53.4 | 80.0 |
| 154 | 74.1 | 61.6 | 92.4 |



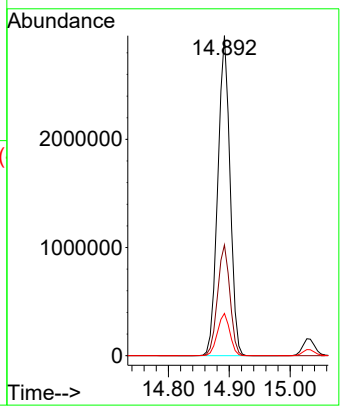


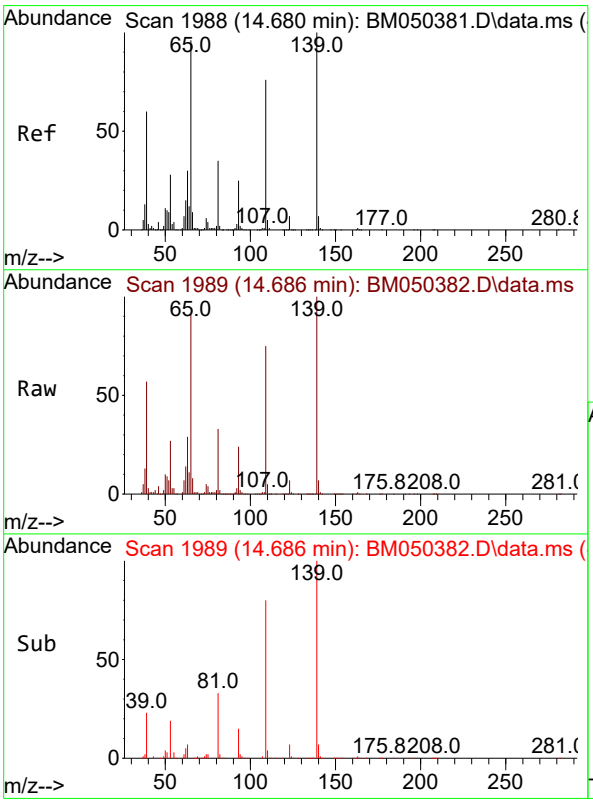

#55
Dibenzofuran
Concen: 53.680 ng
RT: 14.892 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:168 Resp: 4109027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 34.6 | 27.7 | 41.5 |
| 169 | 13.2 | 10.7 | 16.1 |

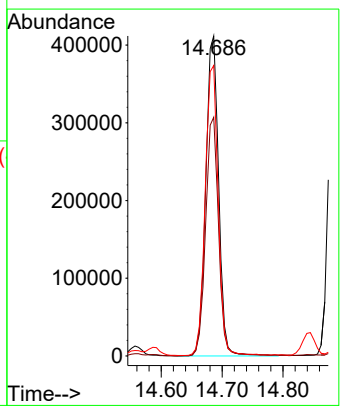


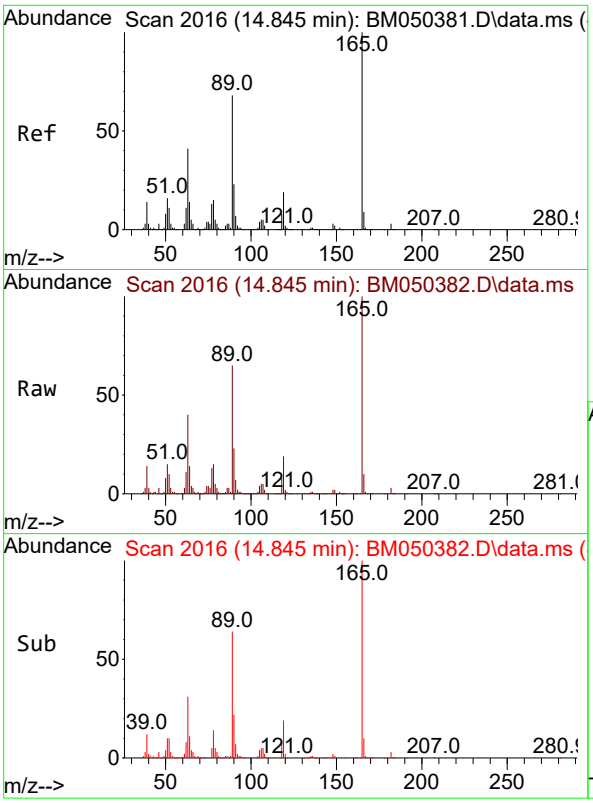




#56
4-Nitrophenol
Concen: 57.060 ng
RT: 14.686 min Scan# 1989
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:139 Resp: 602964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 74.6 | 56.5 | 96.5 |
| 65 | 90.7 | 76.4 | 116.4 |



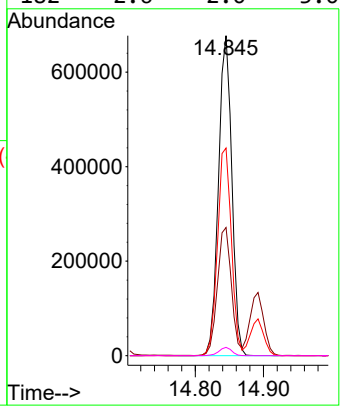


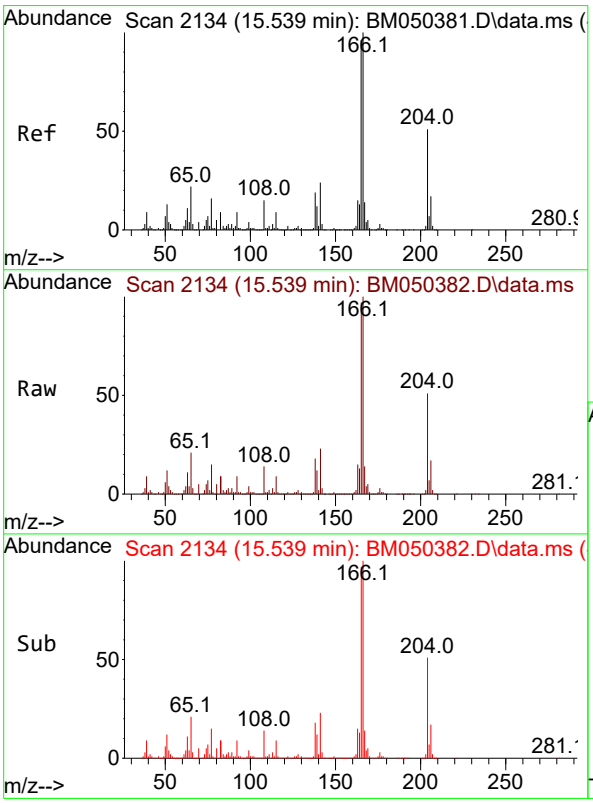

#57
2,4-Dinitrotoluene
Concen: 53.047 ng
RT: 14.845 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:165 Resp: 922804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 40.1 | 32.5 | 48.7 |
| 89 | 64.9 | 54.0 | 81.0 |
| 182 | 2.6 | 2.0 | 3.0 |

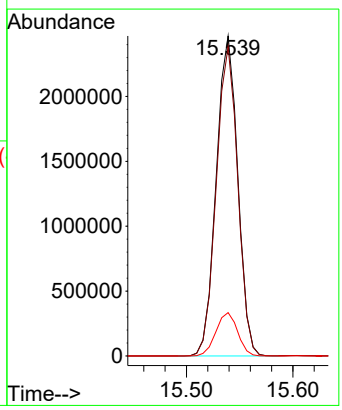


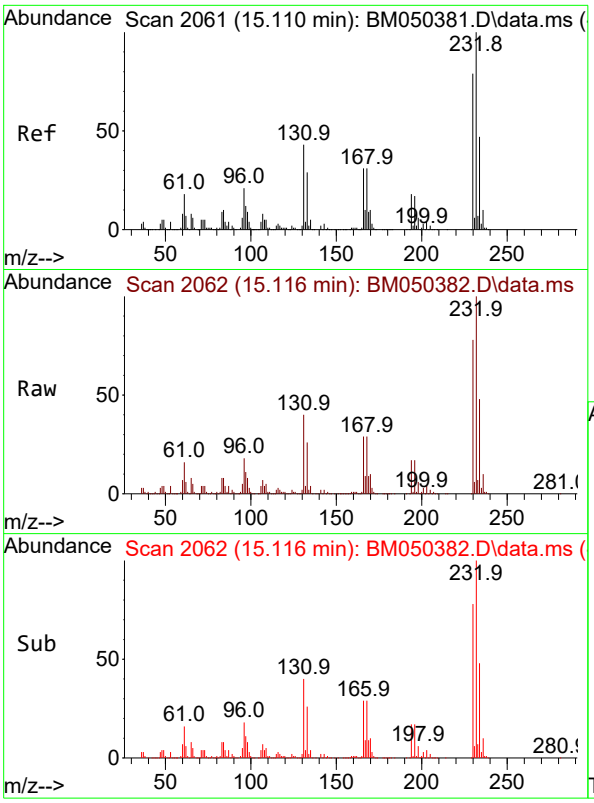




#58
Fluorene
Concen: 54.837 ng
RT: 15.539 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:166 Resp: 3457484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.6 | 77.0 | 115.6 |
| 167 | 13.5 | 10.9 | 16.3 |



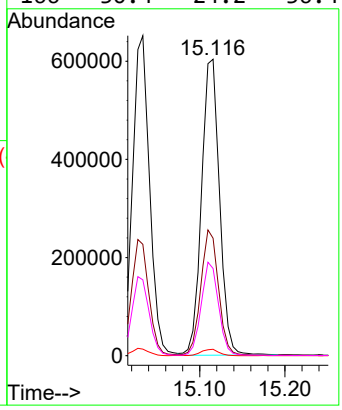


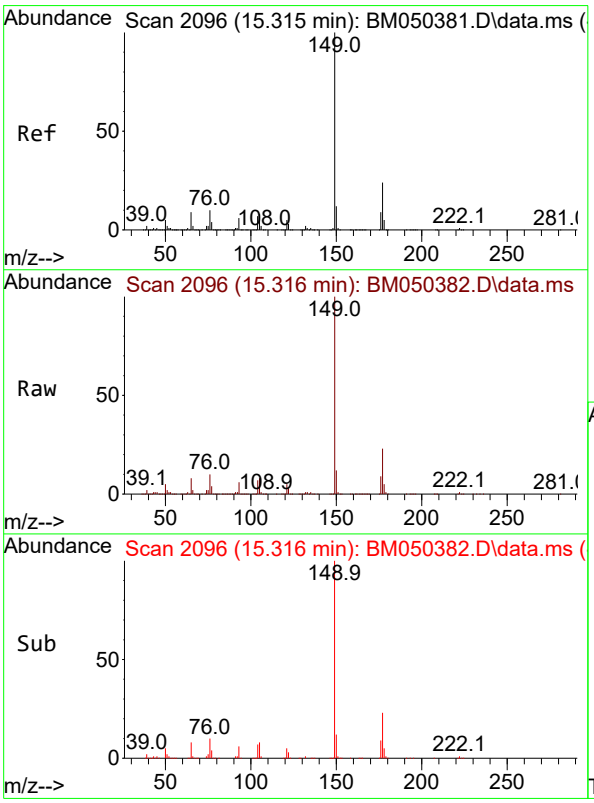

#59
2,3,4,6-Tetrachlorophenol
Concen: 56.275 ng
RT: 15.116 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:232 Resp: 885196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 42.0 | 33.4 | 50.0 |
| 130 | 2.2 | 1.8 | 2.6 |
| 166 | 30.4 | 24.2 | 36.4 |

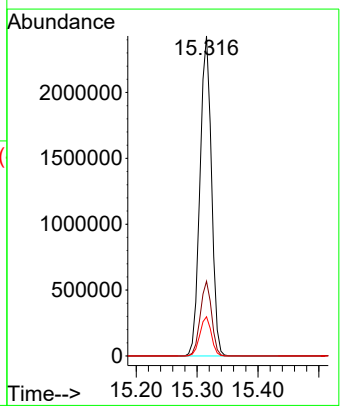


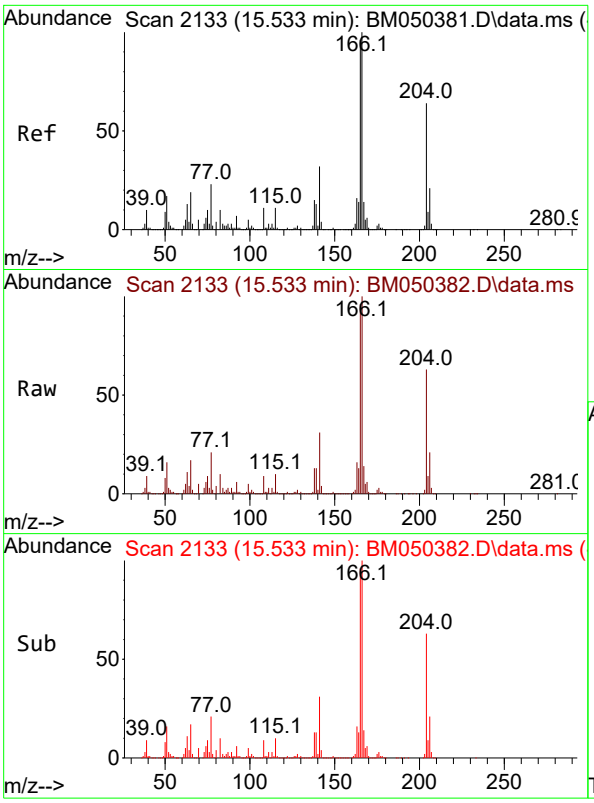




#60
Diethylphthalate
Concen: 55.265 ng
RT: 15.316 min Scan# 2096
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:149 Resp: 3176896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.4 | 18.8 | 28.2 |
| 150 | 12.3 | 9.8 | 14.8 |



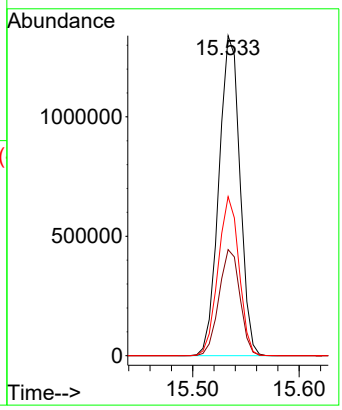


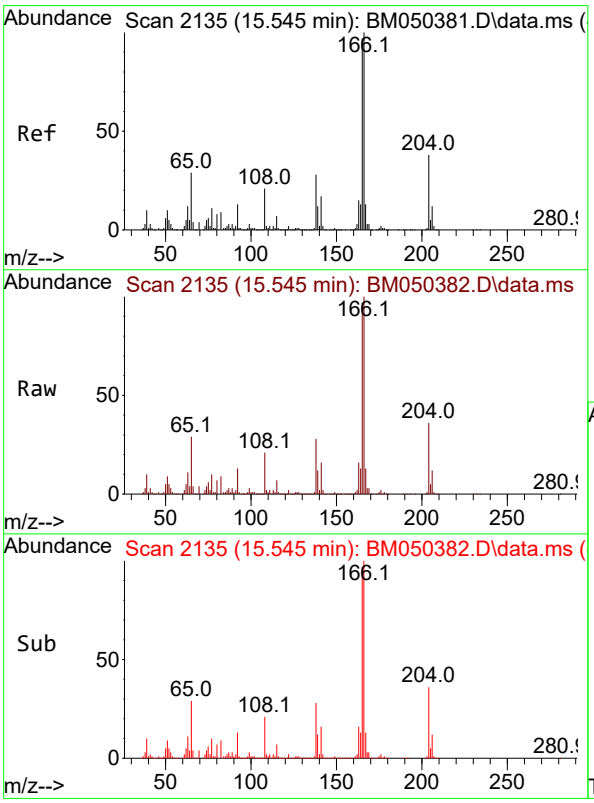

#61
4-Chlorophenyl-phenylether
Concen: 55.637 ng
RT: 15.533 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:204 Resp: 1834247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.2 | 26.6 | 39.8 |
| 141 | 49.7 | 39.9 | 59.9 |

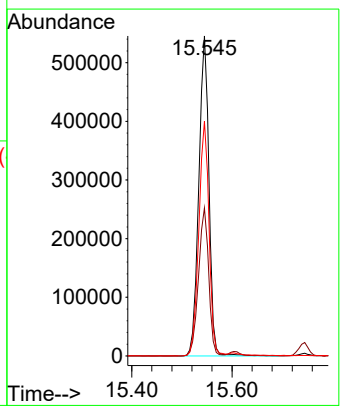


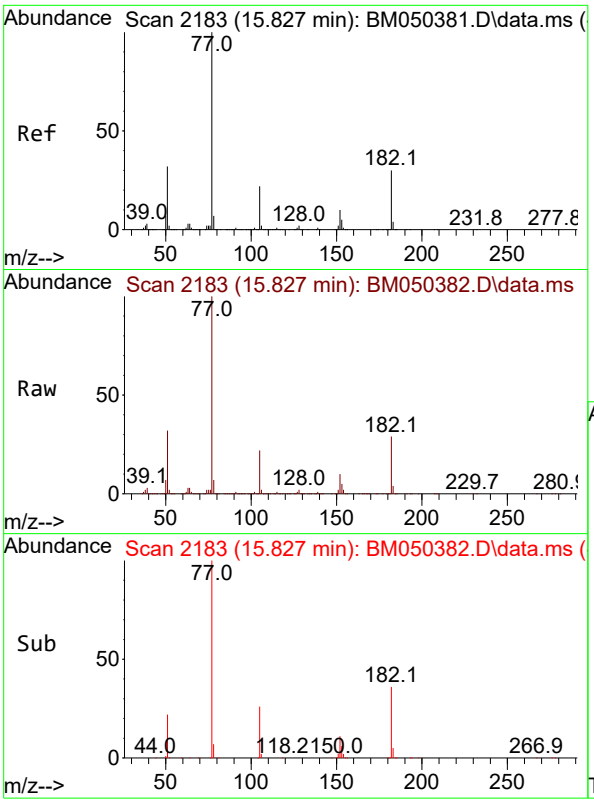




#62
4-Nitroaniline
Concen: 53.869 ng
RT: 15.545 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:138 Resp: 765716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 46.2 | 24.5 | 64.5 |
| 108 | 73.4 | 52.5 | 92.5 |



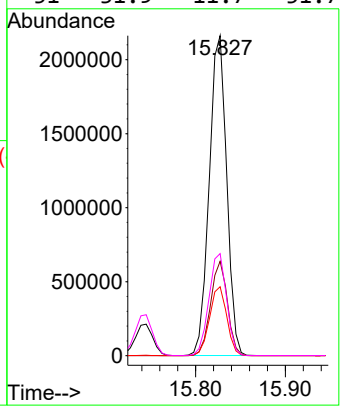


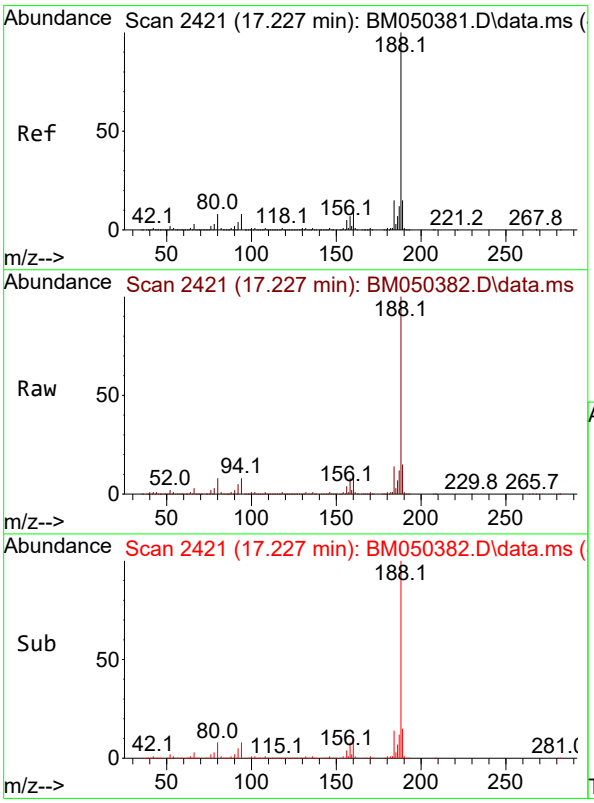

#63
Azobenzene
Concen: 55.274 ng
RT: 15.827 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion: 77 Resp: 2917647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 29.5 | 10.0 | 50.0 |
| 105 | 21.6 | 2.0 | 42.0 |
| 51 | 31.9 | 11.7 | 51.7 |

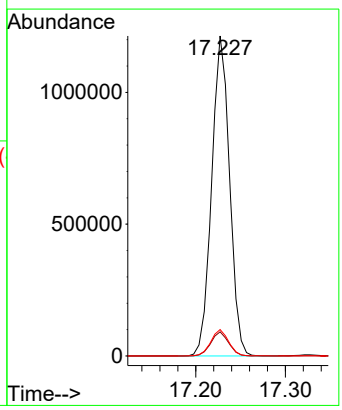


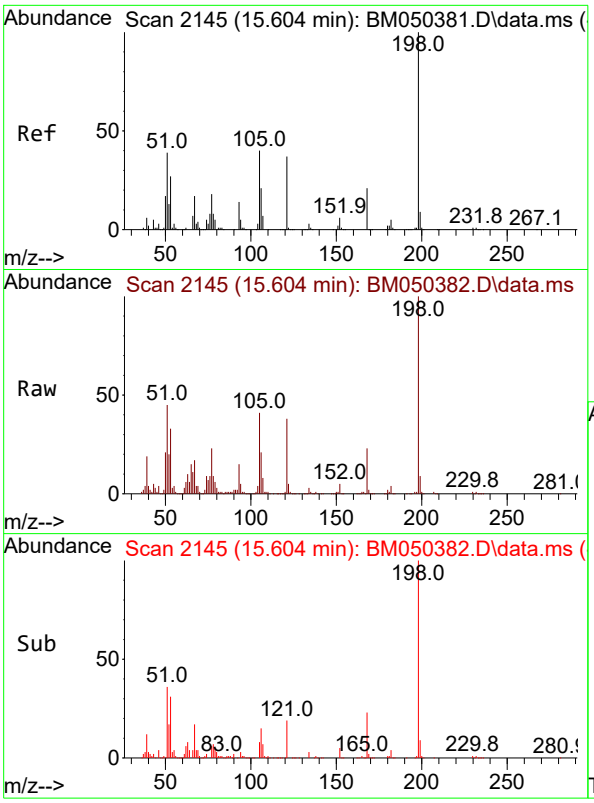




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:188 Resp: 1680679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.5 | 6.0 | 9.0 |
| 80 | 8.3 | 6.5 | 9.7 |



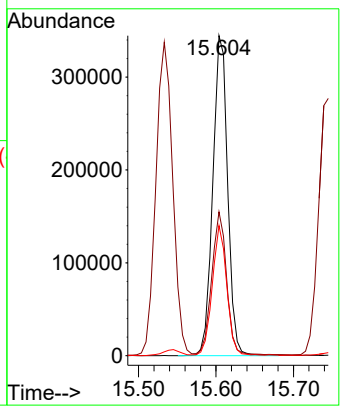


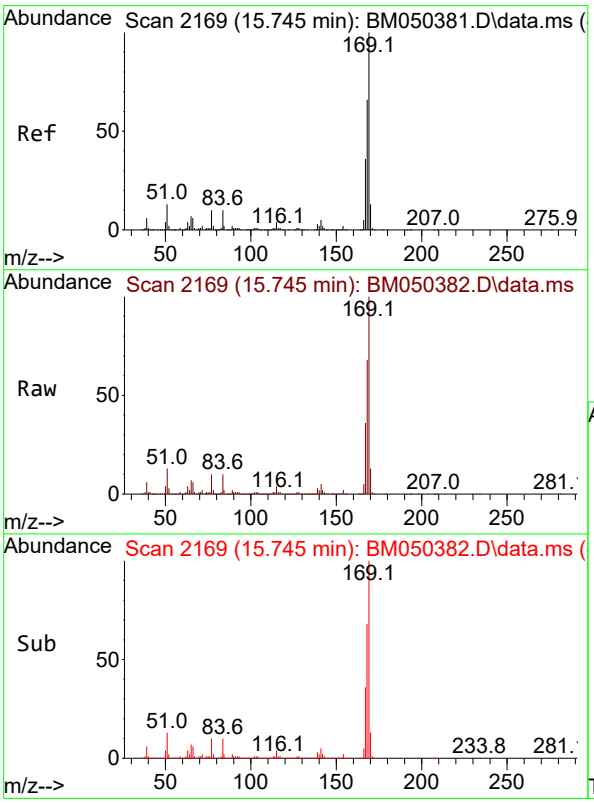

#65
4,6-Dinitro-2-methylphenol
Concen: 50.395 ng
RT: 15.604 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:198 Resp: 458700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 45.0 | 26.6 | 66.6 |
| 105 | 40.6 | 20.9 | 60.9 |

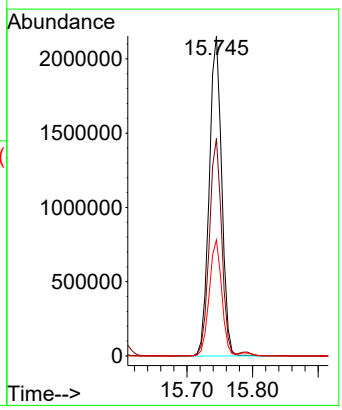


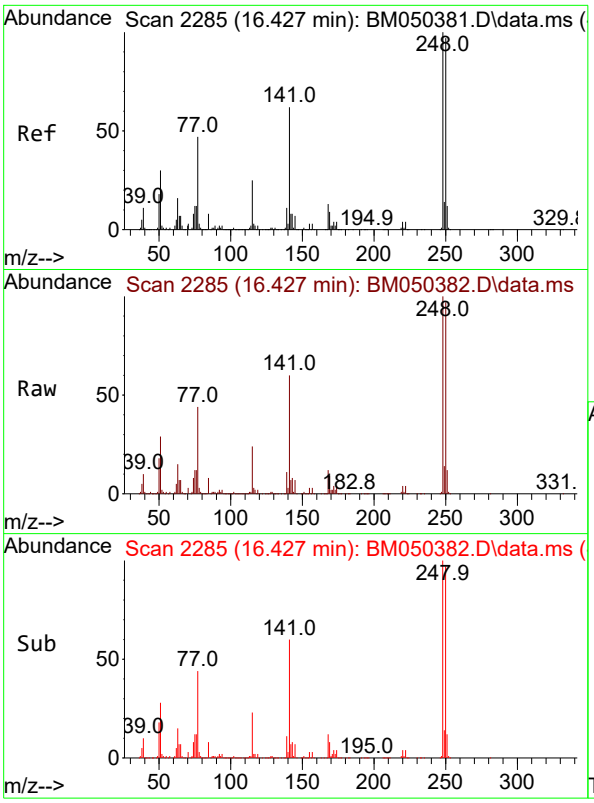




#66
n-Nitrosodiphenylamine
Concen: 54.137 ng
RT: 15.745 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:169 Resp: 2847134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.9 | 53.2 | 79.8 |
| 167 | 36.3 | 28.7 | 43.1 |



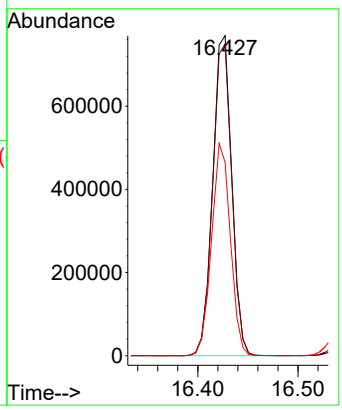


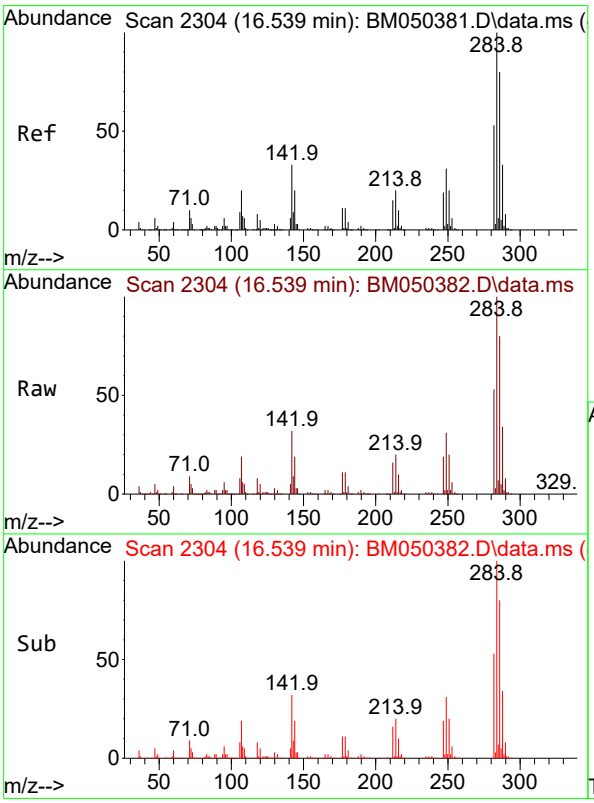

#67
4-Bromophenyl-phenylether
Concen: 54.881 ng
RT: 16.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:248 Resp: 1016241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.4 | 77.9 | 116.9 |
| 141 | 60.5 | 49.7 | 74.5 |

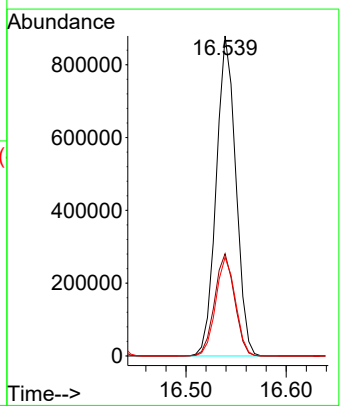


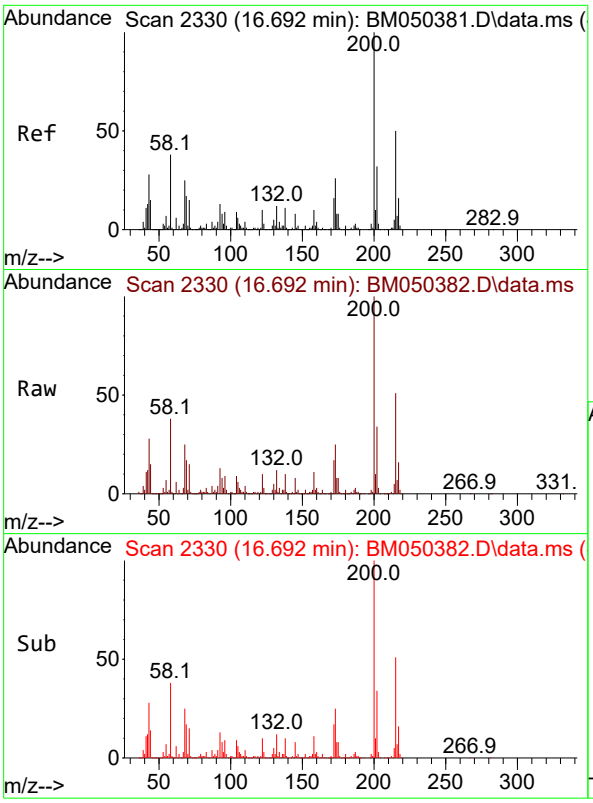




#68
Hexachlorobenzene
Concen: 54.420 ng
RT: 16.539 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:284 Resp: 1190183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.0 | 26.8 | 40.2 |
| 249 | 30.8 | 24.5 | 36.7 |



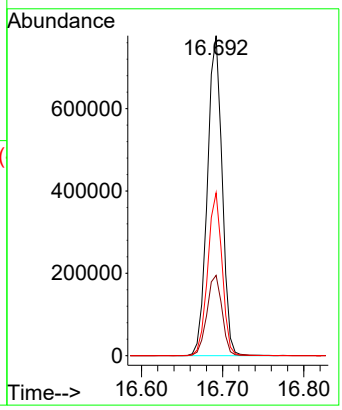


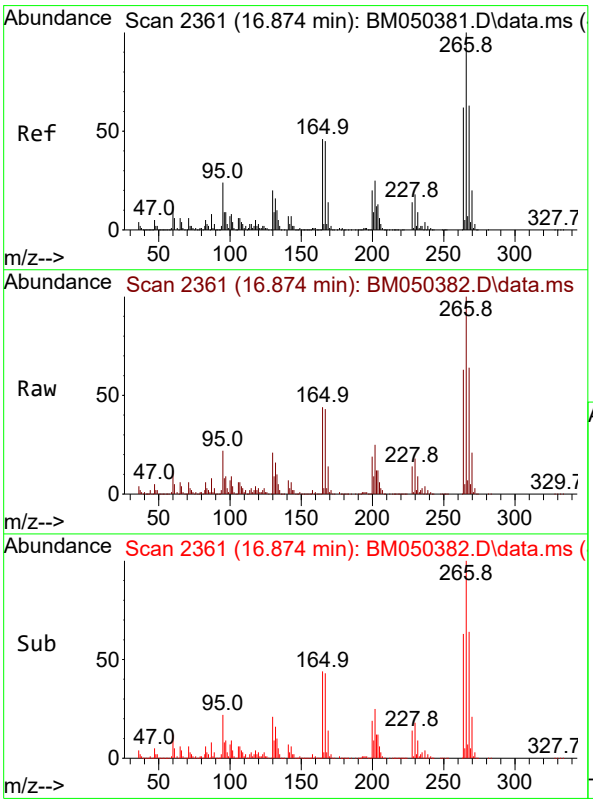

#69
Atrazine
Concen: 56.502 ng
RT: 16.692 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:200 Resp: 975743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.1 | 5.6 | 45.6 |
| 215 | 50.9 | 29.6 | 69.6 |

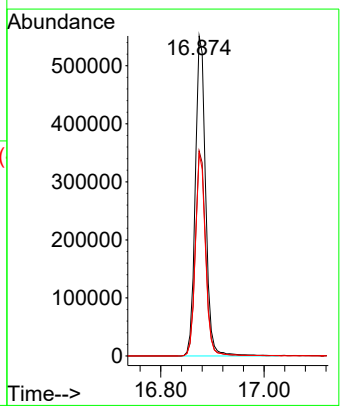


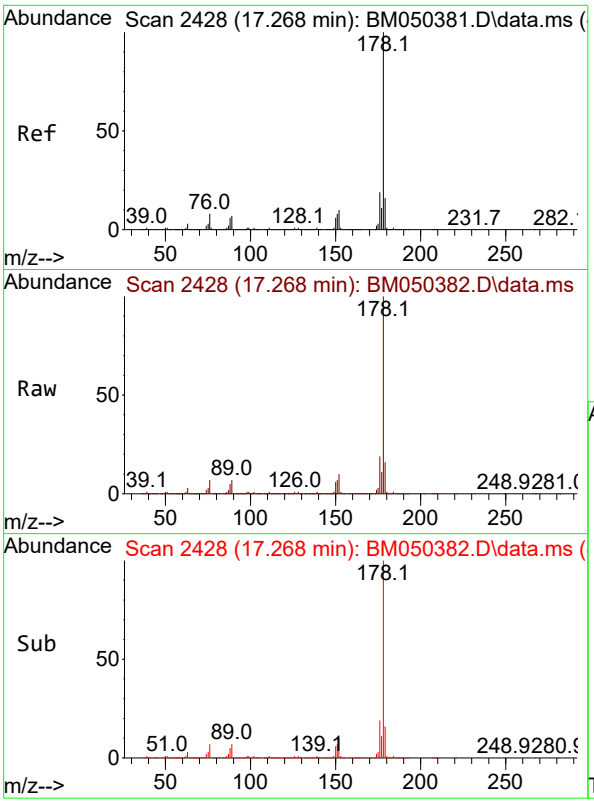




#70
Pentachlorophenol
Concen: 55.986 ng
RT: 16.874 min Scan# 2361
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:266 Resp: 762216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.1 | 50.5 | 75.7 |
| 264 | 63.4 | 49.9 | 74.9 |



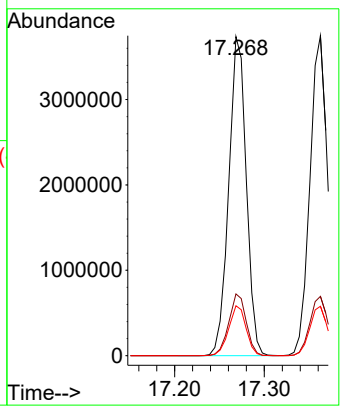


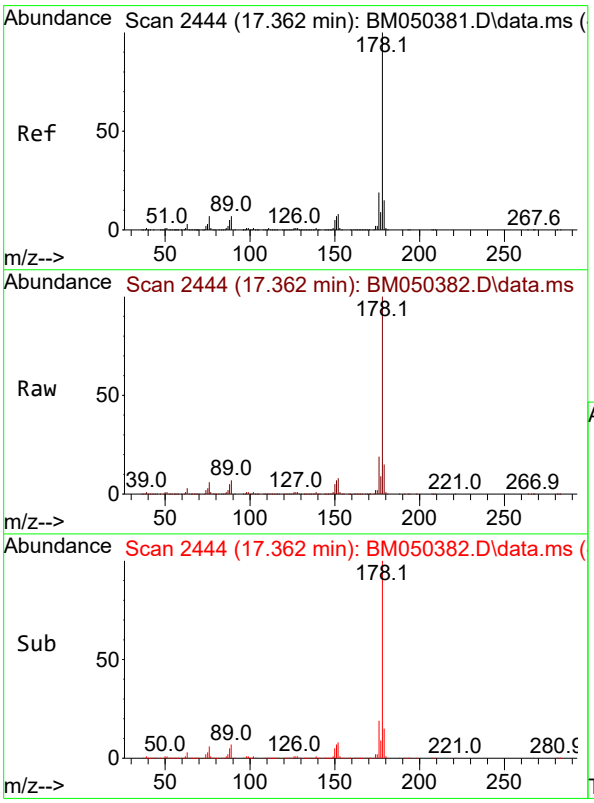

#71
Phenanthrene
Concen: 53.293 ng
RT: 17.268 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:178 Resp: 5068282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.4 | 23.0 |
| 179 | 15.6 | 12.5 | 18.7 |

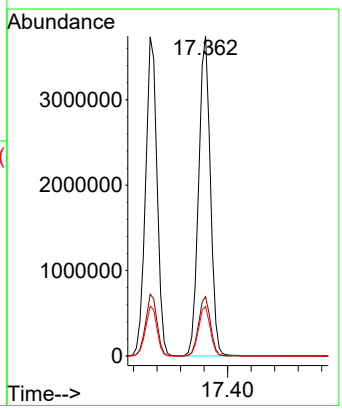


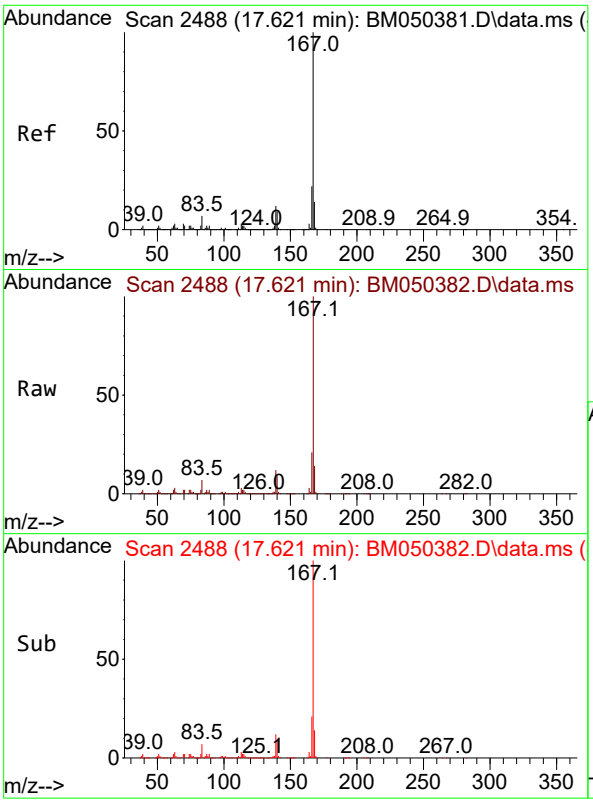




#72
Anthracene
Concen: 54.717 ng
RT: 17.362 min Scan# 2444
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:178 Resp: 5179830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 14.9 | 22.3 |
| 179 | 15.5 | 12.2 | 18.4 |



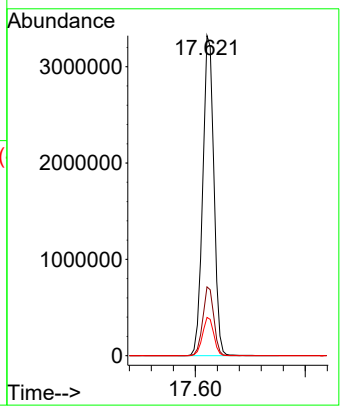


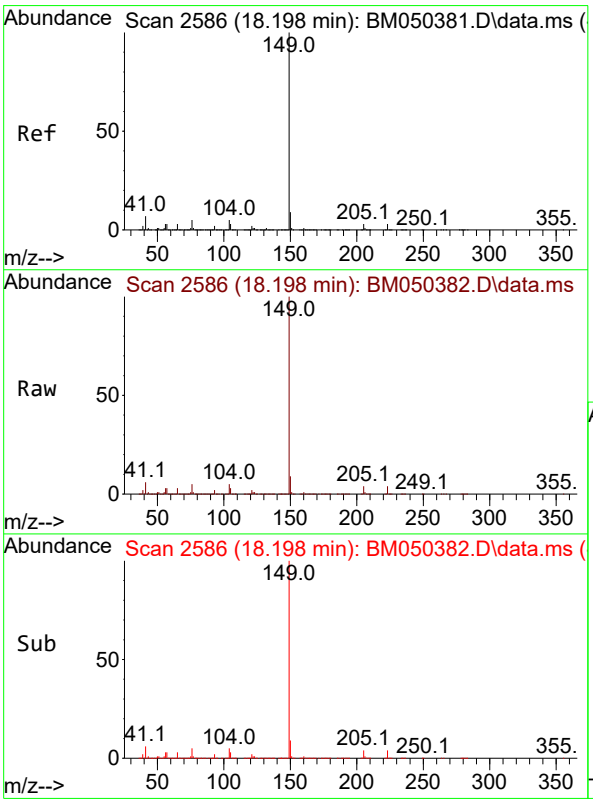

#73
Carbazole
Concen: 54.372 ng
RT: 17.621 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:167 Resp: 4657232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 17.2 | 25.8 |
| 139 | 12.0 | 9.9 | 14.9 |

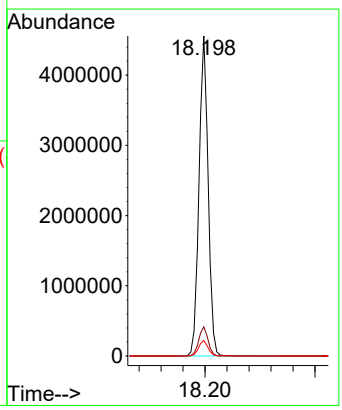


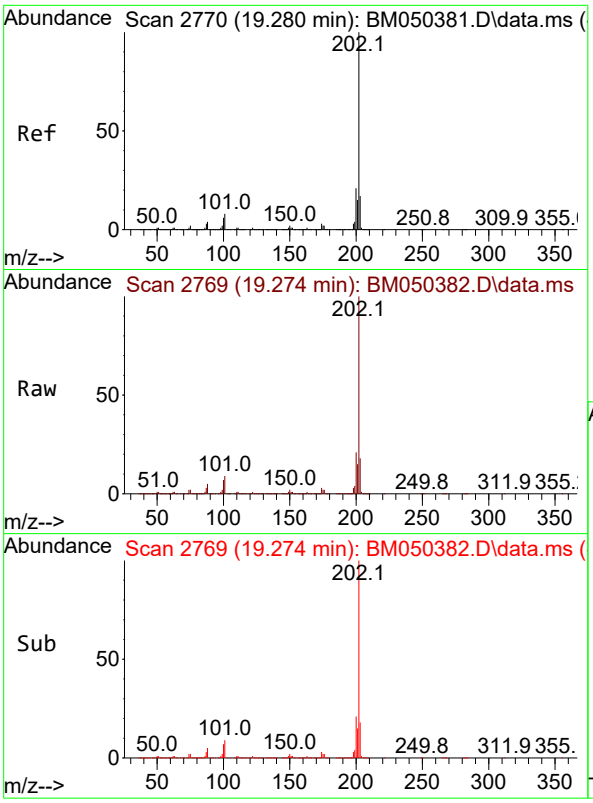




#74
Di-n-butylphthalate
Concen: 56.091 ng
RT: 18.198 min Scan# 2586
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:149 Resp: 5258750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.3 | 10.9 |
| 104 | 4.8 | 3.9 | 5.9 |



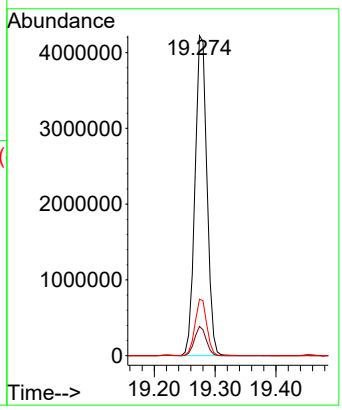


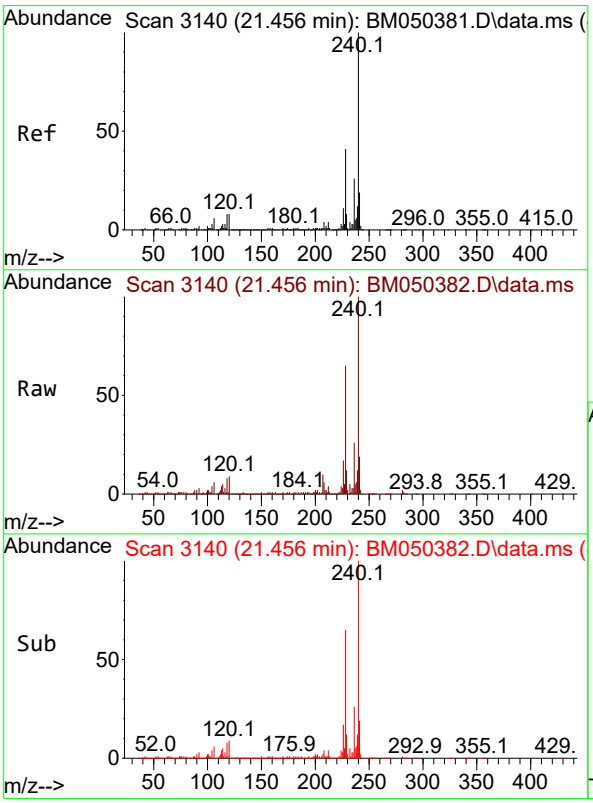

#75
Fluoranthene
Concen: 55.500 ng
RT: 19.274 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:202 Resp: 5737944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.1 | 0.0 | 28.3 |
| 203 | 17.7 | 0.0 | 37.2 |

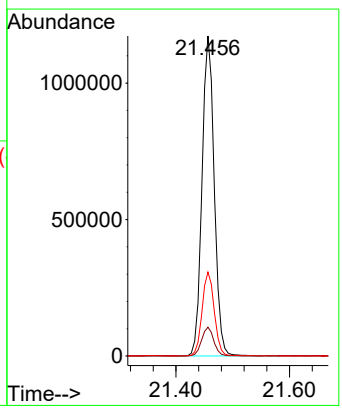


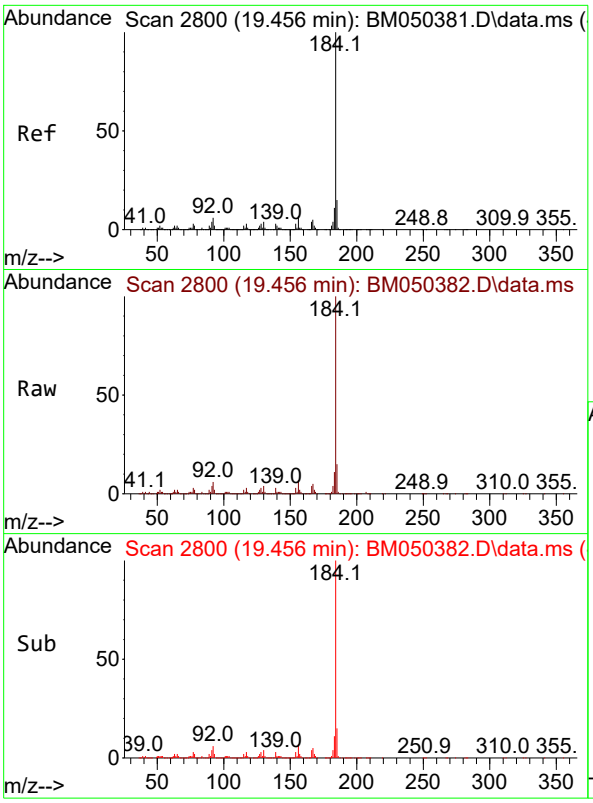




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:240 Resp: 1747476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.0 | 6.7 | 10.1 |
| 236 | 26.2 | 20.7 | 31.1 |



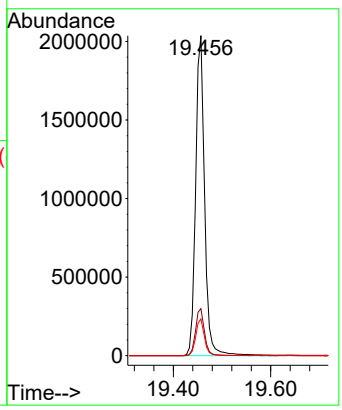


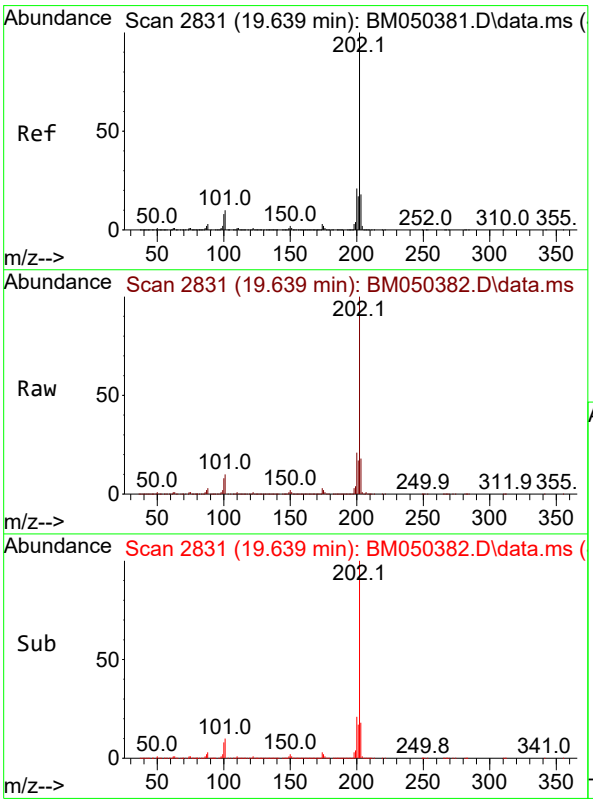

#77
Benzidine
Concen: 58.920 ng
RT: 19.456 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:184 Resp: 2626171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 11.7 | 17.5 |
| 183 | 11.5 | 9.0 | 13.6 |

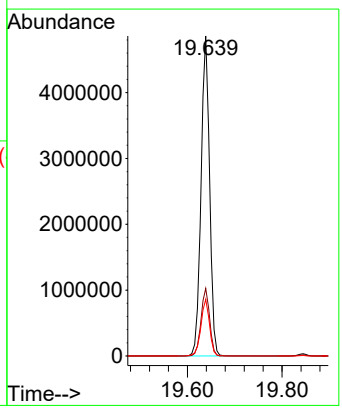


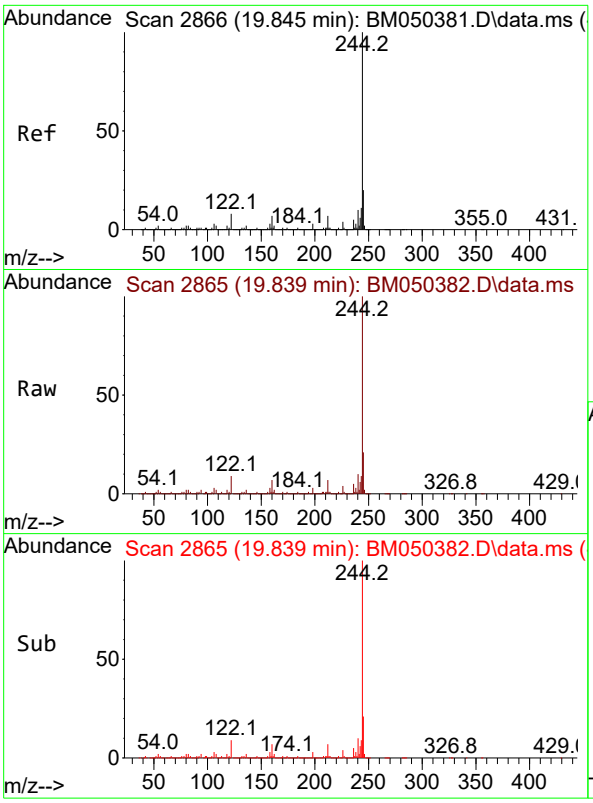




#78
Pyrene
Concen: 54.187 ng
RT: 19.639 min Scan# 2831
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:202 Resp: 6064476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 16.9 | 25.3 |
| 203 | 17.7 | 14.1 | 21.1 |



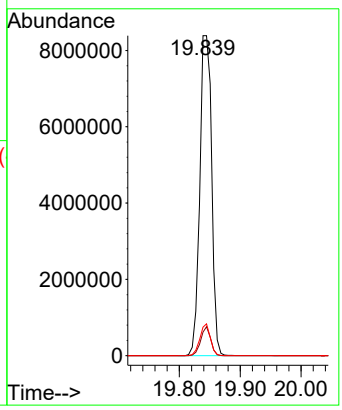


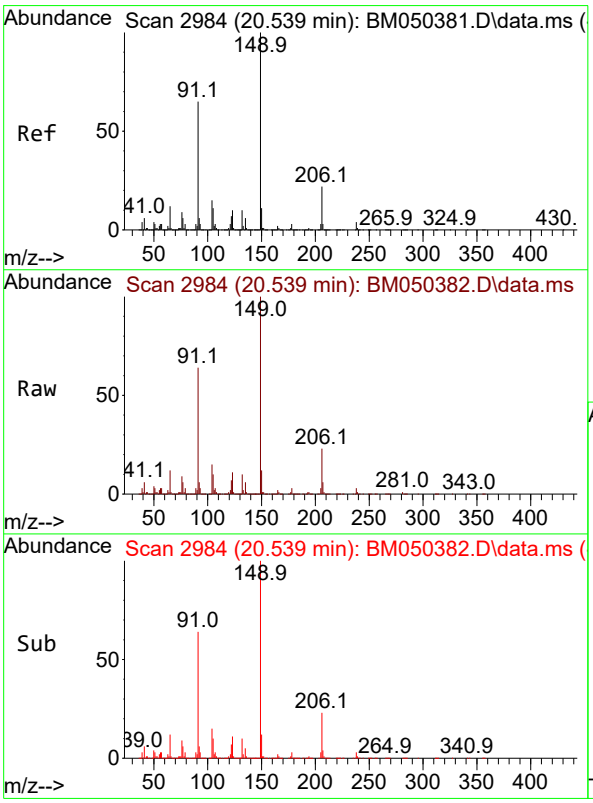

#79
Terphenyl-d14
Concen: 114.147 ng
RT: 19.839 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:244 Resp:11336982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 5.7 | 8.5 |
| 122 | 8.9 | 6.2 | 9.2 |

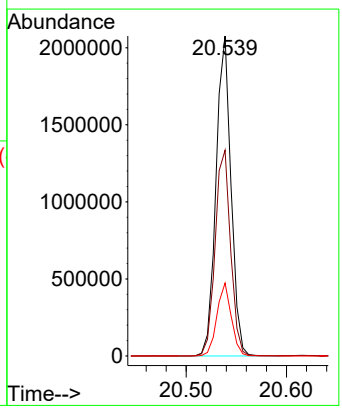


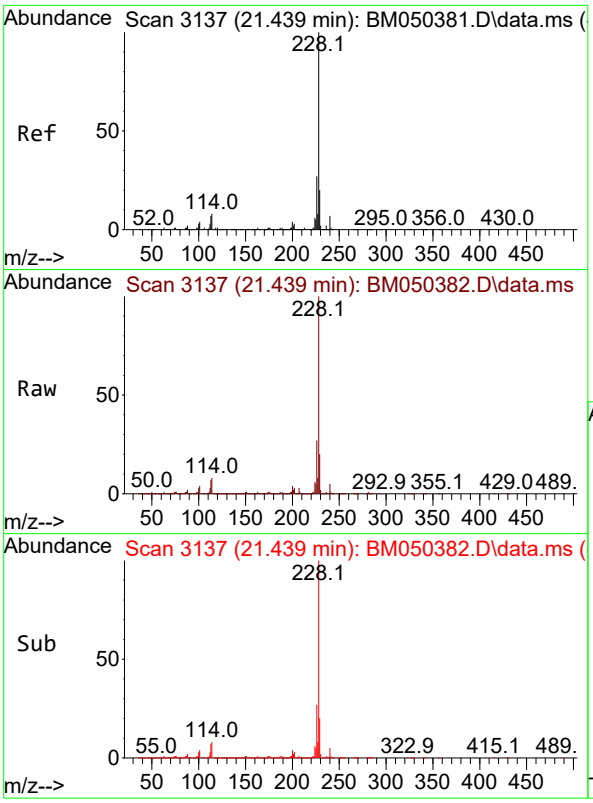




#80
Butylbenzylphthalate
Concen: 58.284 ng
RT: 20.539 min Scan# 2984
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:149 Resp: 2150816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 64.3 | 51.6 | 77.4 |
| 206 | 22.8 | 17.8 | 26.8 |



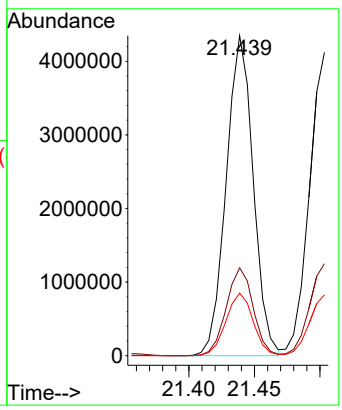


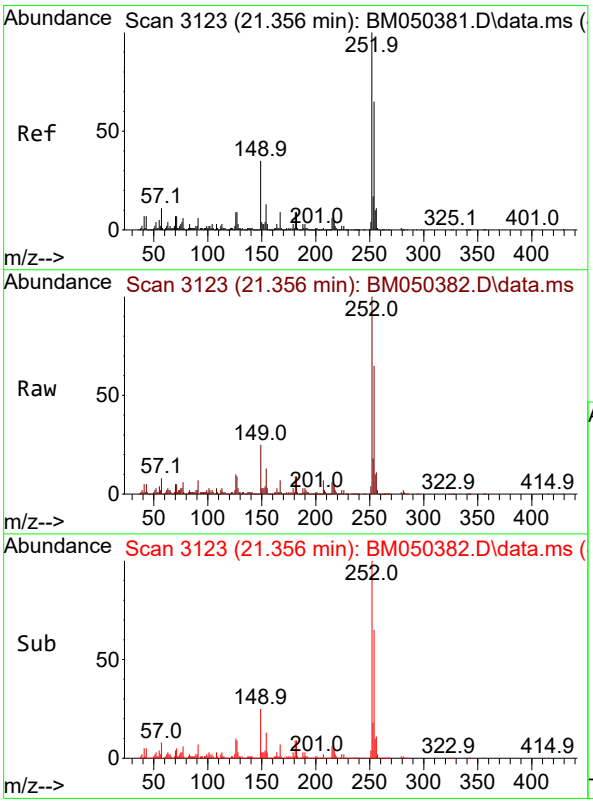

#81
Benzo(a)anthracene
Concen: 54.793 ng
RT: 21.439 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:228 Resp: 6238737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 21.8 | 32.8 |
| 229 | 19.6 | 16.0 | 24.0 |

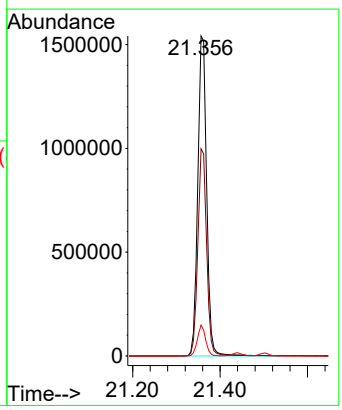


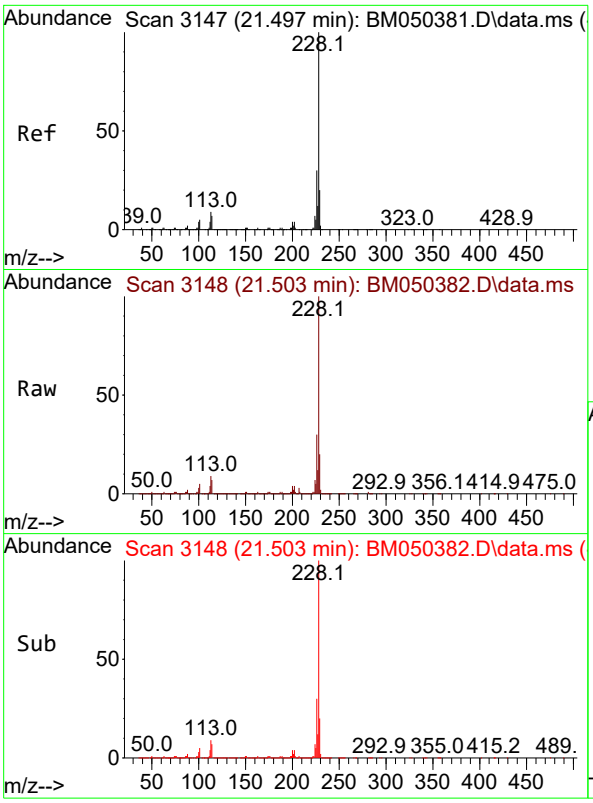




#82
3,3'-Dichlorobenzidine
Concen: 56.690 ng
RT: 21.356 min Scan# 3123
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:252 Resp: 2176770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.8 | 51.7 | 77.5 |
| 126 | 9.6 | 7.3 | 10.9 |



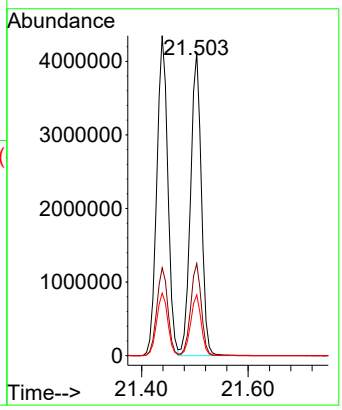


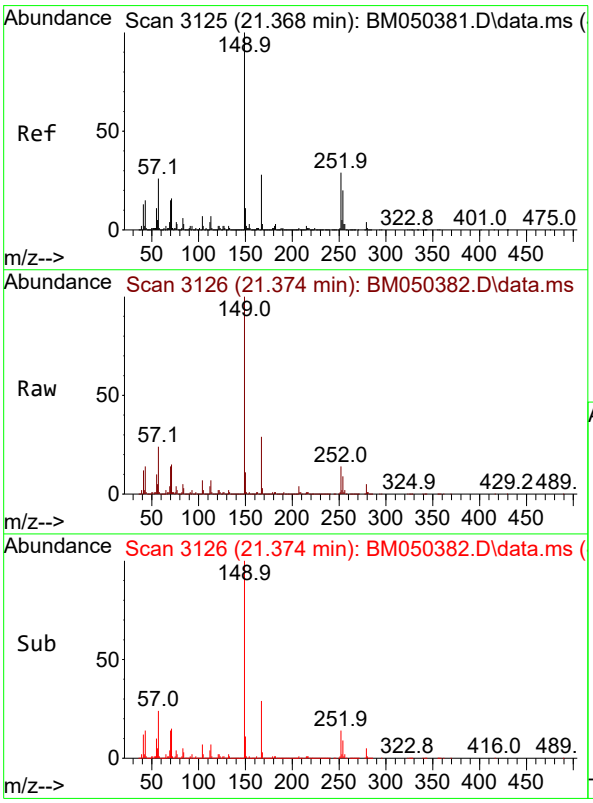

#83
Chrysene
Concen: 53.988 ng
RT: 21.503 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:228 Resp: 5797980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.2 | 36.4 |
| 229 | 20.1 | 15.8 | 23.6 |

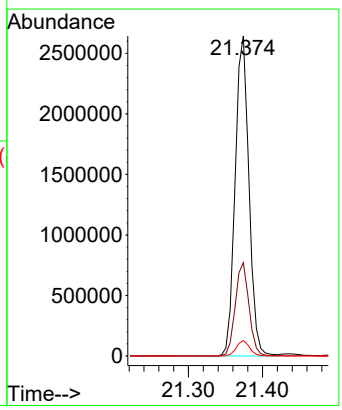


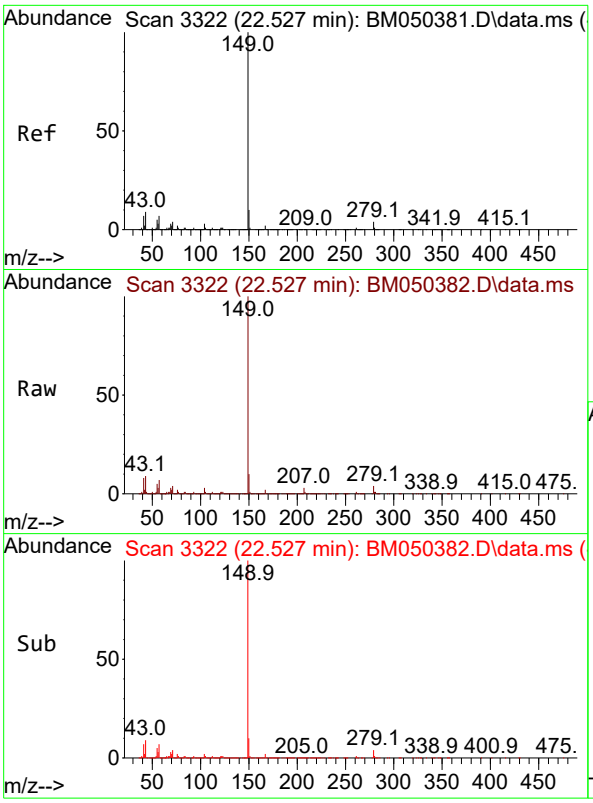




#84
Bis(2-ethylhexyl)phthalate
Concen: 58.166 ng
RT: 21.374 min Scan# 3126
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:149 Resp: 3407481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 29.2 | 22.7 | 34.1 |
| 279 | 4.9 | 3.5 | 5.3 |



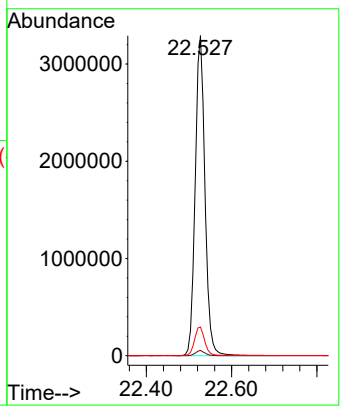


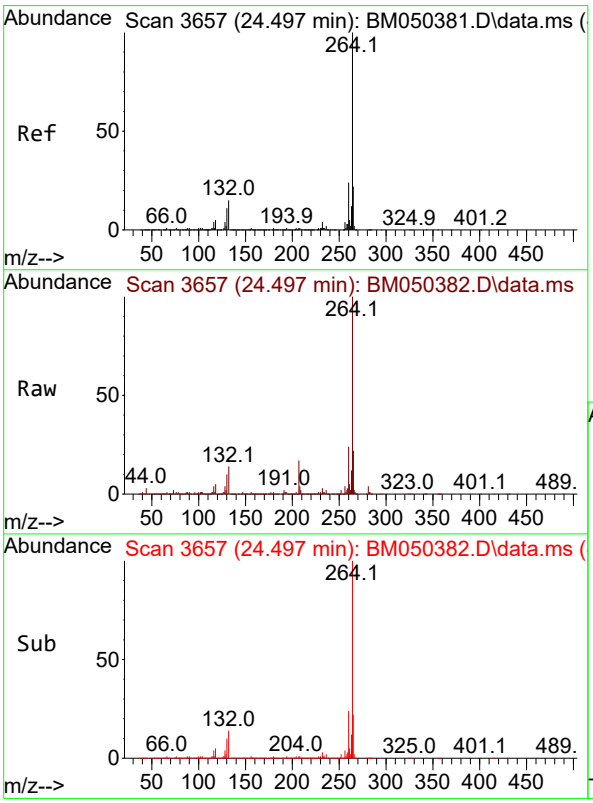

#85
Di-n-octyl phthalate
Concen: 56.816 ng
RT: 22.527 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:149 Resp: 5213026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.4 | 7.7 | 11.5 |

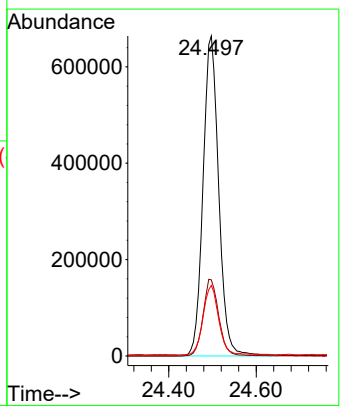


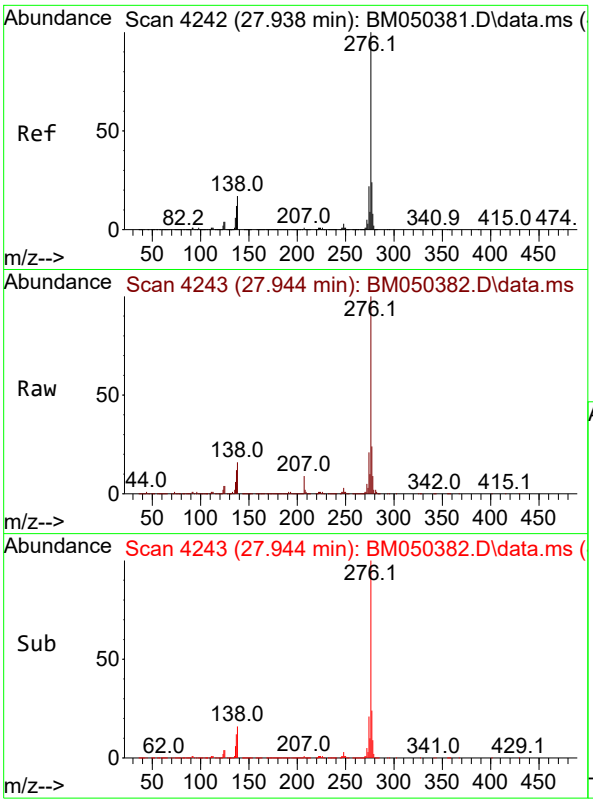




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.497 min Scan# 3657
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:264 Resp: 1657543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 19.2 | 28.8 |
| 265 | 22.0 | 17.8 | 26.6 |



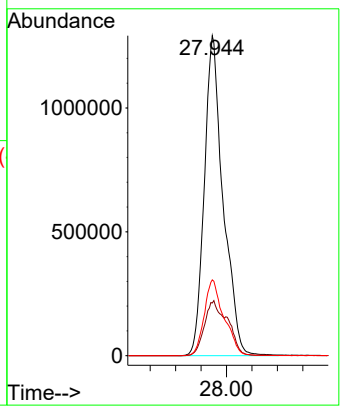


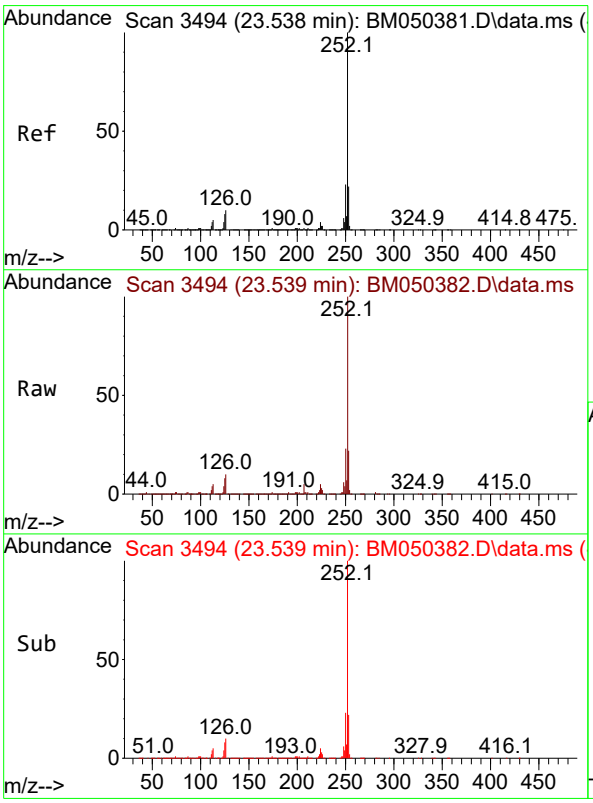

#87
Indeno(1,2,3-cd)pyrene
Concen: 56.349 ng
RT: 27.944 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:276 Resp: 6640722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.2 | 17.0 | 25.6 |
| 277 | 24.9 | 20.0 | 30.0 |

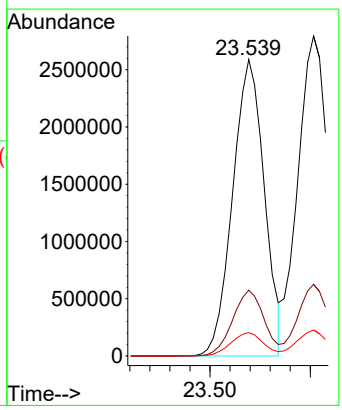


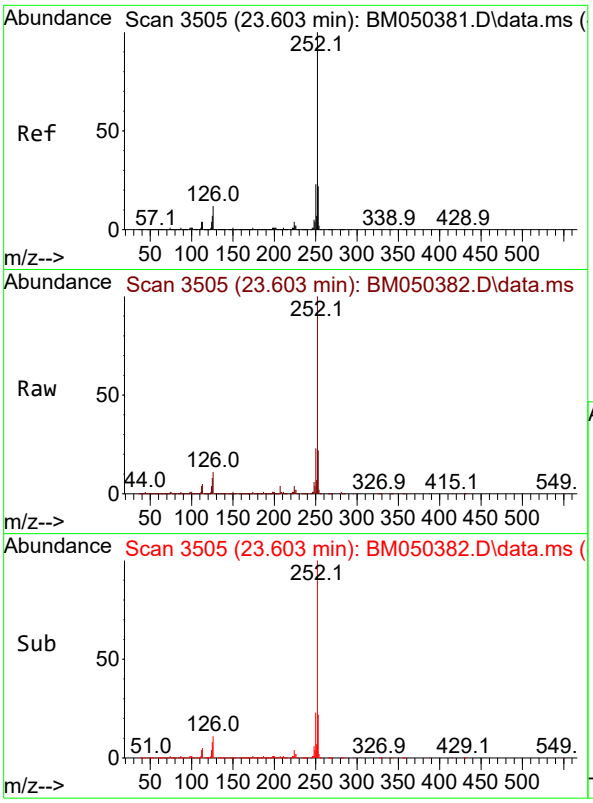




#88
Benzo(b)fluoranthene
Concen: 55.588 ng
RT: 23.539 min Scan# 3494
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:252 Resp: 5667484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.8 | 26.6 |
| 125 | 7.9 | 6.3 | 9.5 |



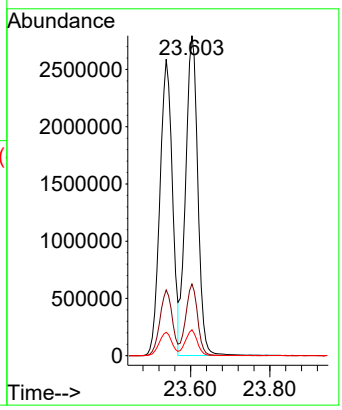


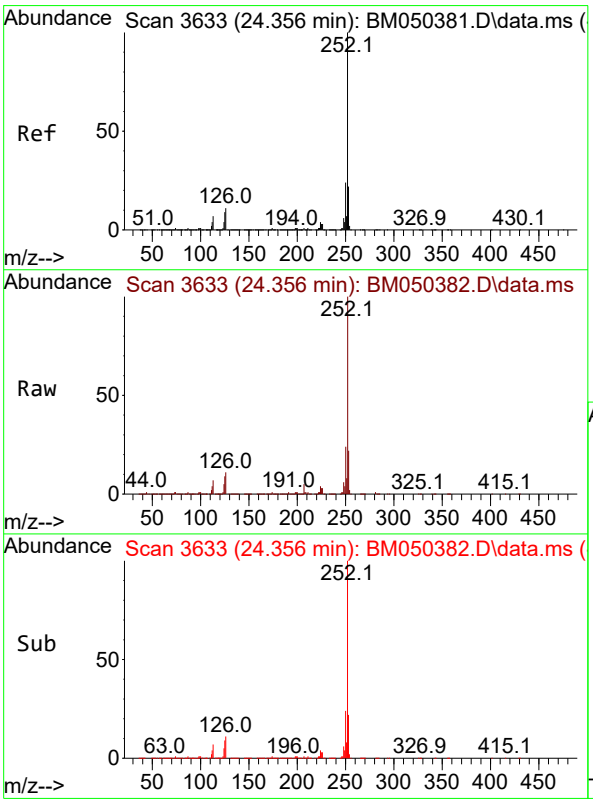

#89
Benzo(k)fluoranthene
Concen: 56.568 ng
RT: 23.603 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:252 Resp: 5984419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.6 | 26.4 |
| 125 | 8.1 | 6.2 | 9.2 |

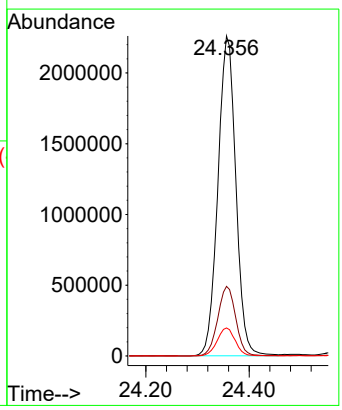


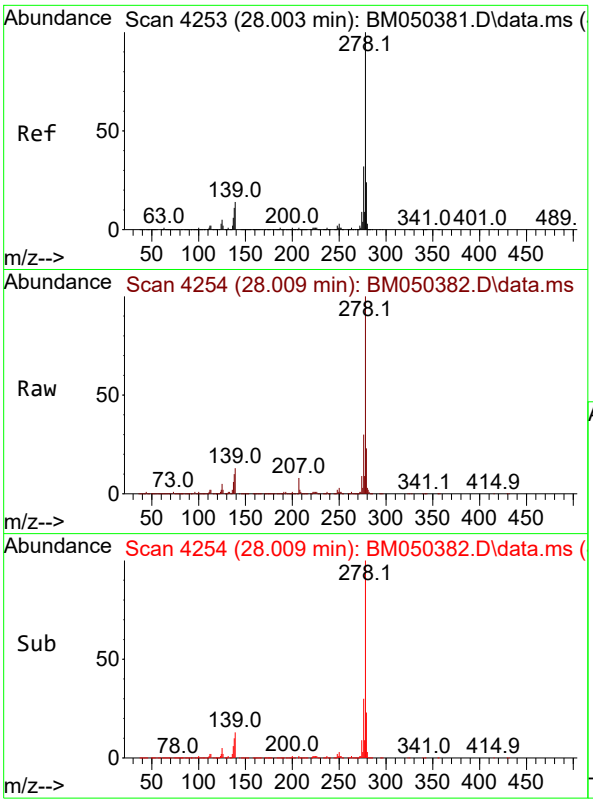




#90
Benzo(a)pyrene
Concen: 57.054 ng
RT: 24.356 min Scan# 3633
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:252 Resp: 5445326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.8 | 26.6 |
| 125 | 8.7 | 7.0 | 10.4 |



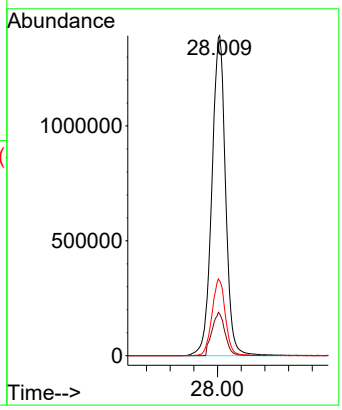


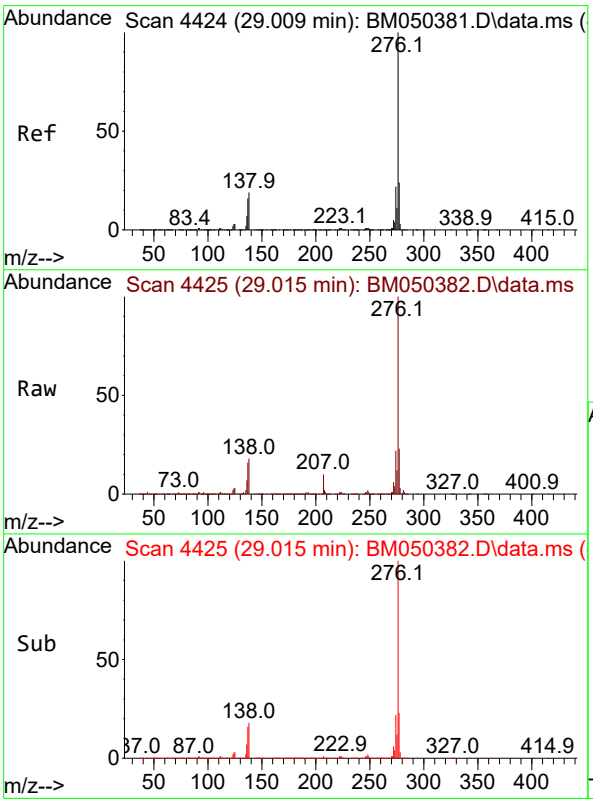

#91
Dibenzo(a,h)anthracene
Concen: 56.460 ng
RT: 28.009 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Tgt Ion:278 Resp: 5603613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.1 | 10.8 | 16.2 |
| 279 | 23.4 | 19.4 | 29.0 |

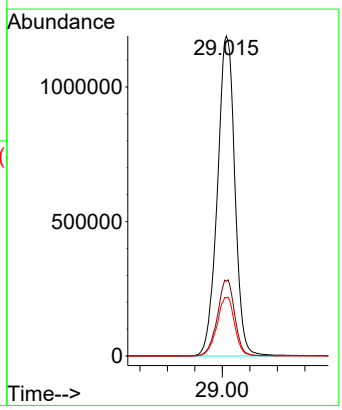



#92
Benzo(g,h,i)perylene
Concen: 55.817 ng
RT: 29.015 min Scan# 4425
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:276 Resp: 5235761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 19.1 | 28.7 |
| 138 | 18.2 | 14.9 | 22.3 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050383.D
Acq On : 08 Jul 2025 16:41
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Quant Time: Jul 08 18:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.863 | 152 | 406200 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.663 | 136 | 1566187 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.492 | 164 | 998713 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.227 | 188 | 1896999 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.456 | 240 | 1968054 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.497 | 264 | 1889317 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 2930103 | 124.166 | ng | 0.00 |
| 7) Phenol-d6 | 7.028 | 99 | 3771036 | 126.766 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.022 | 82 | 3898203 | 126.983 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.974 | 330 | 1680132 | 138.460 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.122 | 172 | 10167533 | 125.724 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.839 | 244 | 12914894 | 115.460 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.334 | 88 | 578083 | 59.574 | ng | 99 |
| 3) Pyridine | 3.734 | 79 | 1558687 | 61.184 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.640 | 42 | 725301 | 61.070 | ng | 98 |
| 6) Aniline | 7.193 | 93 | 2421019 | 63.416 | ng | 99 |
| 8) 2-Chlorophenol | 7.428 | 128 | 1585370 | 63.712 | ng | 99 |
| 9) Benzaldehyde | 7.004 | 77 | 845390 | 47.768 | ng | 99 |
| 10) Phenol | 7.051 | 94 | 1946908 | 62.748 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.287 | 93 | 1544784 | 62.169 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.757 | 146 | 1841011 | 60.846 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 7.904 | 146 | 1874083 | 60.660 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.222 | 146 | 1809670 | 61.182 | ng | 99 |
| 15) Benzyl Alcohol | 8.098 | 79 | 1328453 | 63.380 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.393 | 45 | 2219161 | 60.631 | ng | 100 |
| 17) 2-Methylphenol | 8.304 | 107 | 1277440 | 63.479 | ng | 98 |
| 18) Hexachloroethane | 8.951 | 117 | 678042 | 62.403 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.675 | 70 | 1180119 | 65.485 | ng | 96 |
| 20) 3+4-Methylphenols | 8.634 | 107 | 1697411 | 62.832 | ng | 98 |
| 22) Acetophenone | 8.687 | 105 | 2408904 | 61.517 | ng | 98 |
| 24) Nitrobenzene | 9.063 | 77 | 1702957 | 62.165 | ng | 99 |
| 25) Isophorone | 9.592 | 82 | 3190767 | 64.054 | ng | 99 |
| 26) 2-Nitrophenol | 9.775 | 139 | 783612 | 70.186 | ng | 97 |
| 27) 2,4-Dimethylphenol | 9.834 | 122 | 1490764 | 62.749 | ng | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.075 | 93 | 2048832 | 62.070 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.310 | 162 | 1570701 | 64.353 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.528 | 180 | 1810982 | 62.024 | ng | 99 |
| 31) Naphthalene | 10.716 | 128 | 4834692 | 60.775 | ng | 100 |
| 32) Benzoic acid | 9.975 | 122 | 912053 | 60.734 | ng | 99 |
| 33) 4-Chloroaniline | 10.810 | 127 | 2130451 | 63.348 | ng | 99 |
| 34) Hexachlorobutadiene | 11.010 | 225 | 1123283 | 63.032 | ng | 99 |
| 35) Caprolactam | 11.598 | 113 | 438205 | 65.768 | ng | 95 |
| 36) 4-Chloro-3-methylphenol | 11.939 | 107 | 1472646 | 64.612 | ng | 98 |
| 37) 2-Methylnaphthalene | 12.322 | 142 | 3153595 | 62.784 | ng | 98 |
| 38) 1-Methylnaphthalene | 12.539 | 142 | 3322331 | 62.500 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.692 | 216 | 2046472 | 64.436 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.680 | 237 | 1359023 | 66.942 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.928 | 196 | 1299719 | 66.483 | ng | 97 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050383.D
Acq On : 08 Jul 2025 16:41
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Quant Time: Jul 08 18:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.992 | 196 | 1407280 | 65.913 ng | 98 |
| 46) 1,1'-Biphenyl | 13.333 | 154 | 4574537 | 61.736 ng | 100 |
| 47) 2-Chloronaphthalene | 13.375 | 162 | 3645124 | 61.699 ng | 99 |
| 48) 2-Nitroaniline | 13.563 | 65 | 904021 | 68.554 ng | 98 |
| 49) Acenaphthylene | 14.216 | 152 | 5618754 | 62.931 ng | 99 |
| 50) Dimethylphthalate | 13.957 | 163 | 4291046 | 62.407 ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.063 | 165 | 891260 | 67.510 ng | 99 |
| 52) Acenaphthene | 14.557 | 154 | 3582059 | 63.105 ng | 100 |
| 53) 3-Nitroaniline | 14.386 | 138 | 957239 | 68.179 ng | 98 |
| 54) 2,4-Dinitrophenol | 14.592 | 184 | 439445 | 61.898 ng | 85 |
| 55) Dibenzofuran | 14.892 | 168 | 5344109 | 61.102 ng | 100 |
| 56) 4-Nitrophenol | 14.686 | 139 | 794516 | 65.804 ng | 95 |
| 57) 2,4-Dinitrotoluene | 14.845 | 165 | 1218665 | 60.887 ng | 98 |
| 58) Fluorene | 15.539 | 166 | 4560797 | 63.309 ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.116 | 232 | 1189838 | 66.202 ng | 99 |
| 60) Diethylphthalate | 15.316 | 149 | 4130183 | 62.882 ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.533 | 204 | 2430909 | 64.533 ng | 98 |
| 62) 4-Nitroaniline | 15.545 | 138 | 991212 | 60.686 ng | 99 |
| 63) Azobenzene | 15.827 | 77 | 3812033 | 63.206 ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 15.610 | 198 | 645034 | 61.235 ng | 91 |
| 66) n-Nitrosodiphenylamine | 15.745 | 169 | 3744872 | 63.087 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.427 | 248 | 1368680 | 65.485 ng | 99 |
| 68) Hexachlorobenzene | 16.539 | 284 | 1586965 | 64.288 ng | 98 |
| 69) Atrazine | 16.692 | 200 | 1296405 | 66.510 ng | 100 |
| 70) Pentachlorophenol | 16.880 | 266 | 1022433 | 66.535 ng | 99 |
| 71) Phenanthrene | 17.268 | 178 | 6618592 | 61.658 ng | 100 |
| 72) Anthracene | 17.363 | 178 | 6849285 | 64.102 ng | 100 |
| 73) Carbazole | 17.627 | 167 | 6106388 | 63.161 ng | 99 |
| 74) Di-n-butylphthalate | 18.198 | 149 | 6920453 | 65.398 ng | 100 |
| 75) Fluoranthene | 19.280 | 202 | 7618952 | 65.290 ng | 99 |
| 77) Benzidine | 19.456 | 184 | 3256422 | 64.872 ng | 100 |
| 78) Pyrene | 19.639 | 202 | 8067941 | 64.009 ng | 100 |
| 80) Butylbenzylphthalate | 20.533 | 149 | 2900200 | 69.782 ng | 97 |
| 81) Benzo(a)anthracene | 21.439 | 228 | 8142088 | 63.495 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.356 | 252 | 2878037 | 66.553 ng | 100 |
| 83) Chrysene | 21.503 | 228 | 7690956 | 63.587 ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.368 | 149 | 4504059 | 68.268 ng | 98 |
| 85) Di-n-octyl phthalate | 22.521 | 149 | 7047940 | 68.206 ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 27.950 | 276 | 8866549 | 66.007 ng | 99 |
| 88) Benzo(b)fluoranthene | 23.539 | 252 | 7617485 | 65.548 ng | 99 |
| 89) Benzo(k)fluoranthene | 23.603 | 252 | 7861158 | 65.192 ng | 100 |
| 90) Benzo(a)pyrene | 24.356 | 252 | 7260855 | 66.744 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.009 | 278 | 7483970 | 66.155 ng | 99 |
| 92) Benzo(g,h,i)perylene | 29.021 | 276 | 6983867 | 65.319 ng | 99 |

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

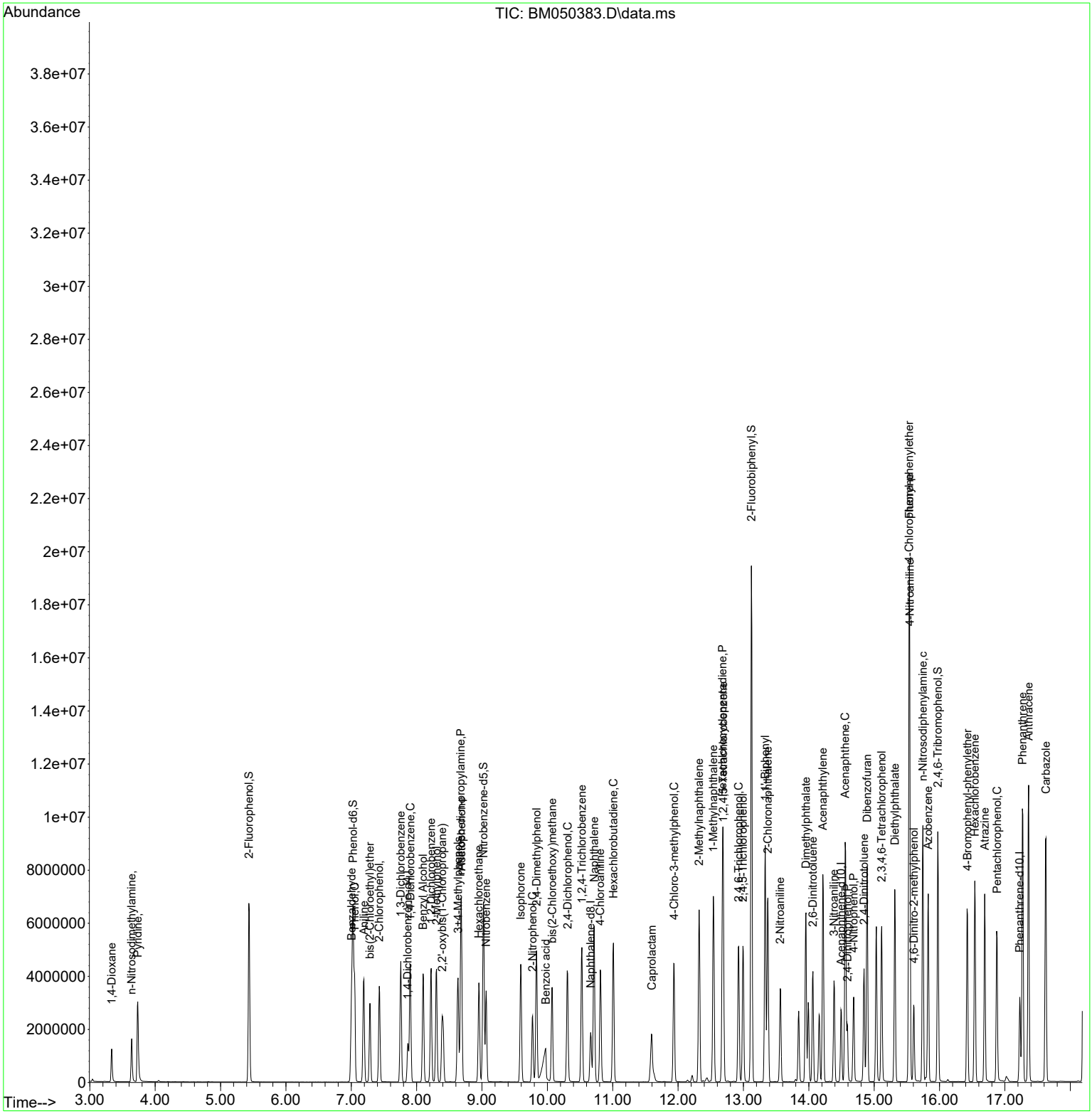
Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050383.D
Acq On : 08 Jul 2025 16:41
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Quant Time: Jul 08 18:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



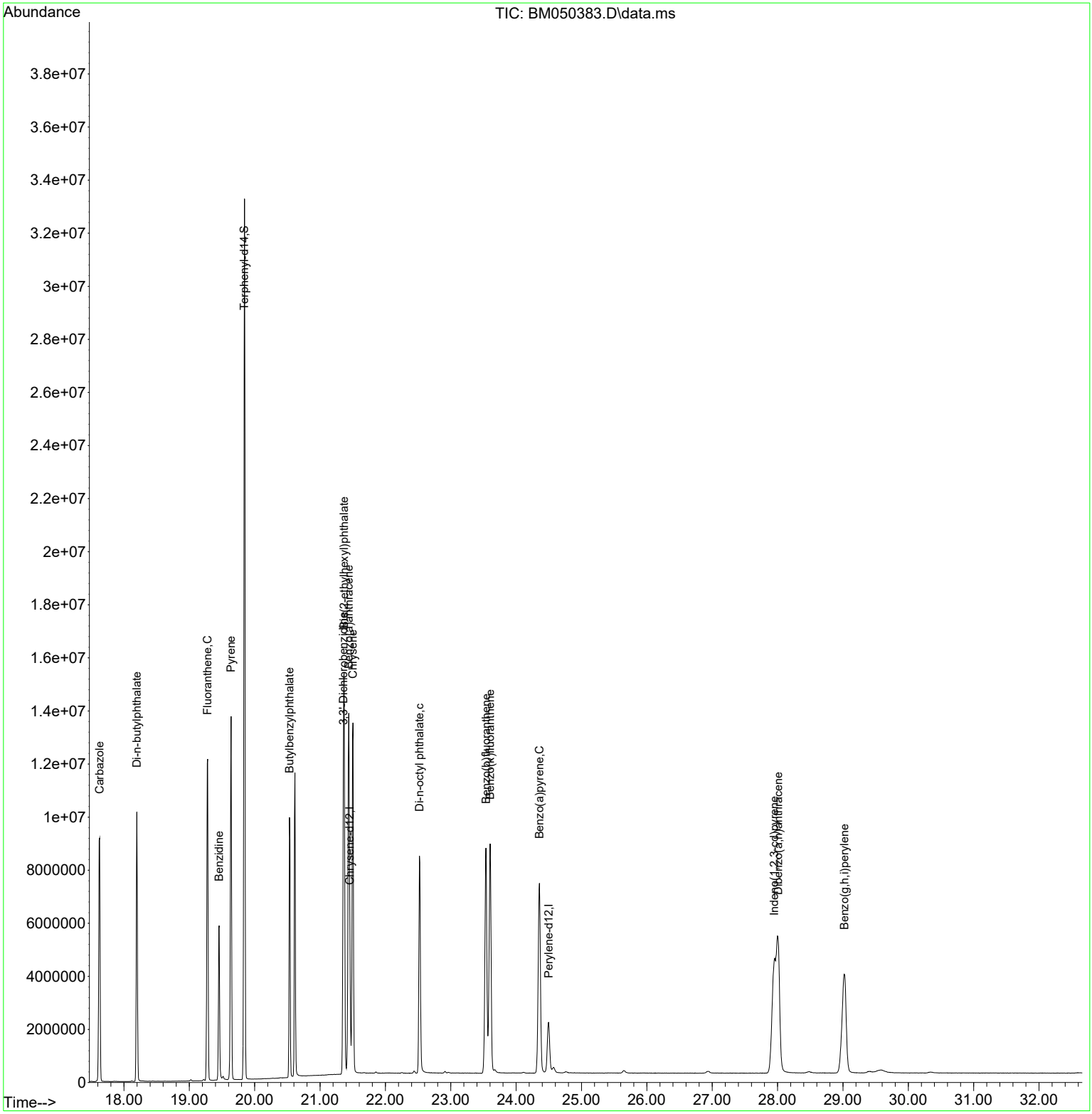
Quantitation Report (QT Reviewed)

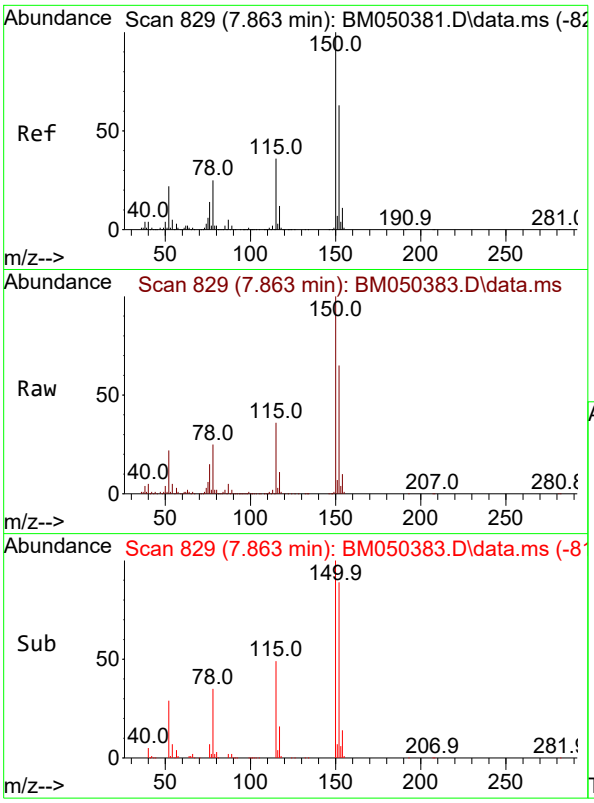
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050383.D
Acq On : 08 Jul 2025 16:41
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Quant Time: Jul 08 18:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



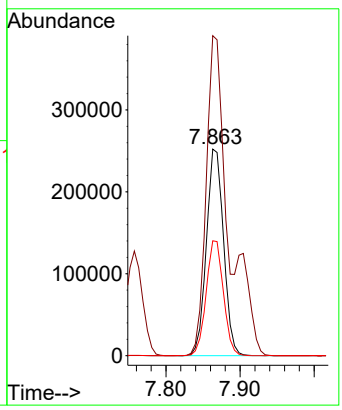


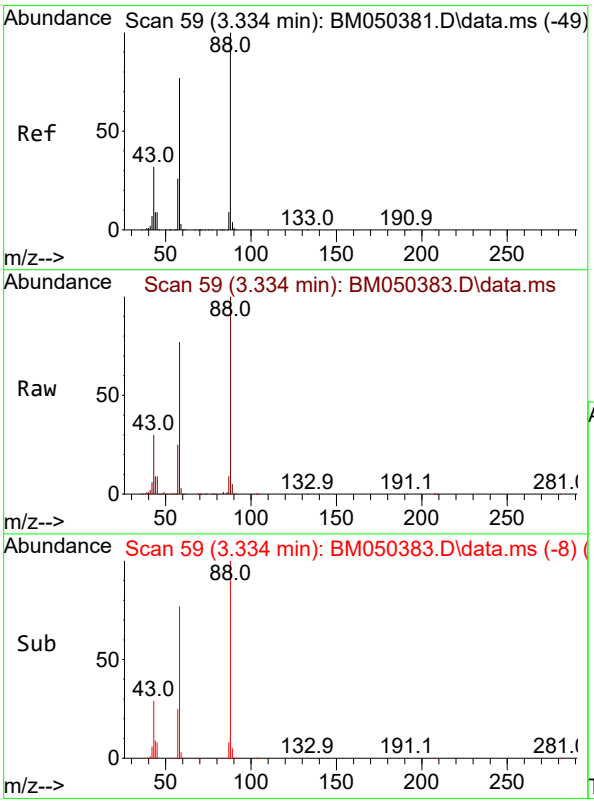

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:152 Resp: 406200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.0 | 126.2 | 189.4 |
| 115 | 55.6 | 45.8 | 68.8 |

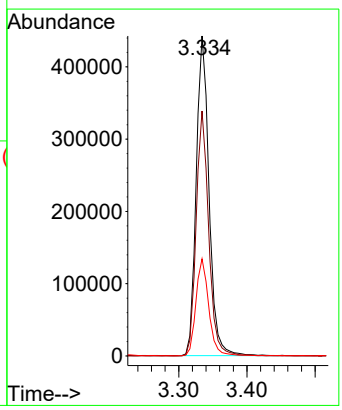


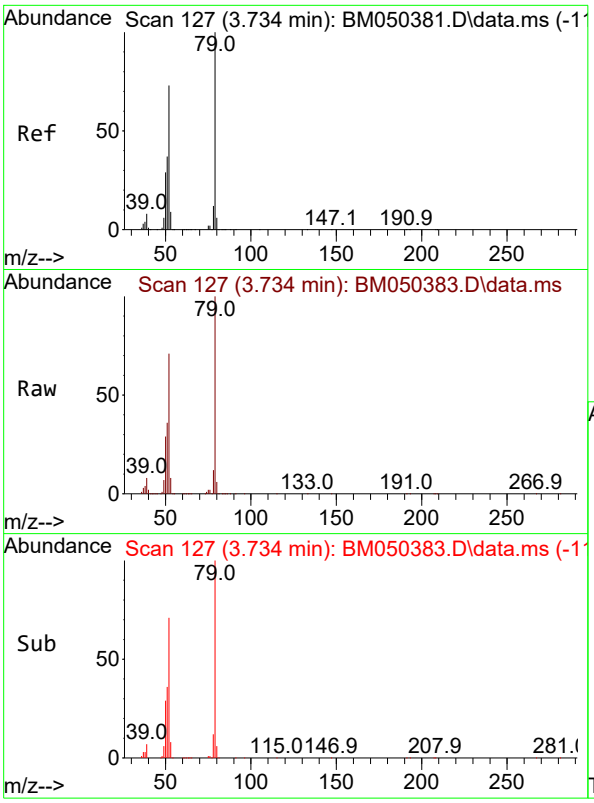




#2
1,4-Dioxane
Concen: 59.574 ng
RT: 3.334 min Scan# 59
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion: 88 Resp: 578083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.0 | 61.0 | 91.6 |
| 43 | 30.3 | 24.6 | 37.0 |



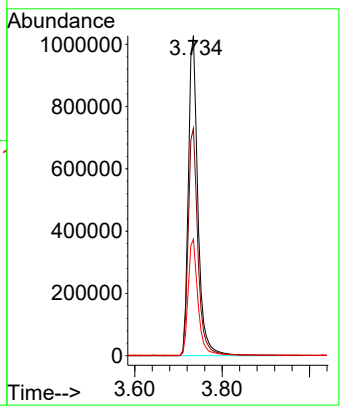


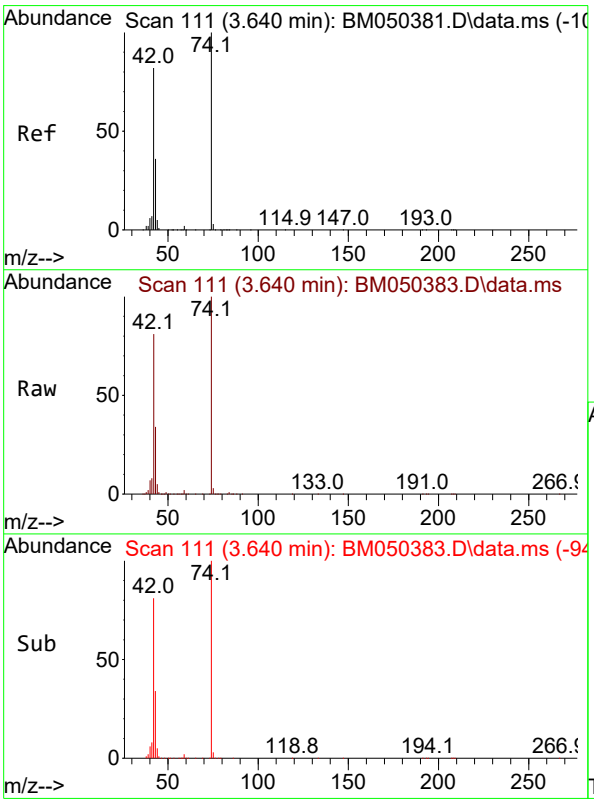

#3
Pyridine
Concen: 61.184 ng
RT: 3.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion: 79 Resp: 1558687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 71.0 | 58.3 | 87.5 |
| 51 | 36.4 | 29.6 | 44.4 |

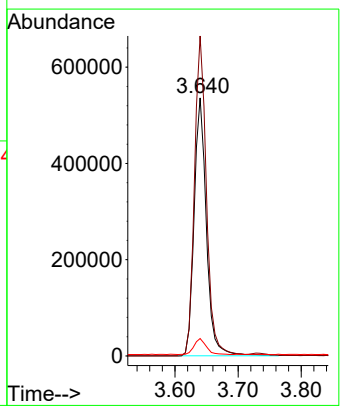


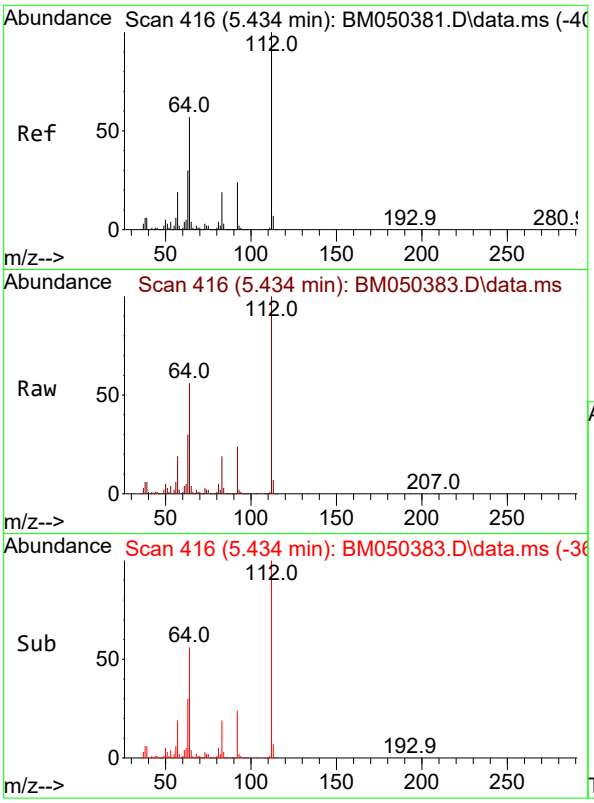




#4
n-Nitrosodimethylamine
Concen: 61.070 ng
RT: 3.640 min Scan# 111
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion: 42 Resp: 725301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 124.0 | 97.5 | 146.3 |
| 44 | 6.7 | 5.7 | 8.5 |



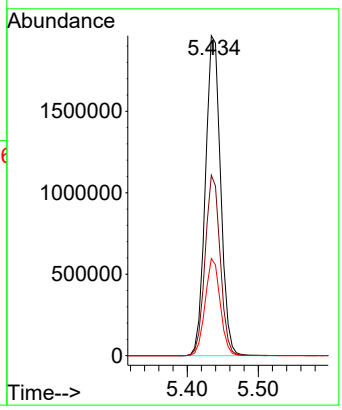


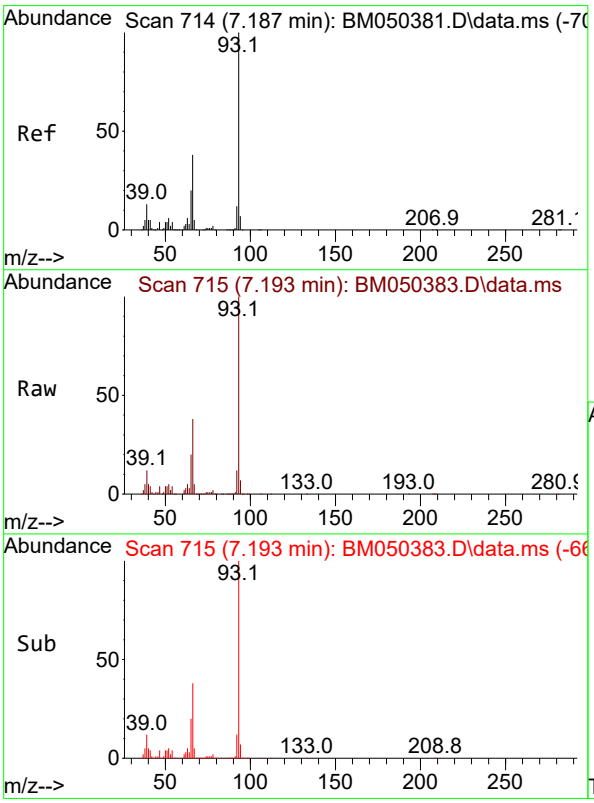

#5
2-Fluorophenol
Concen: 124.166 ng
RT: 5.434 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:112 Resp: 2930103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.4 | 45.5 | 68.3 |
| 63 | 30.3 | 24.2 | 36.4 |

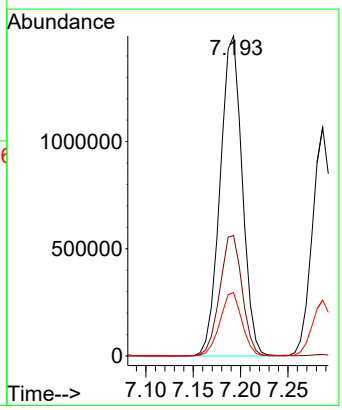


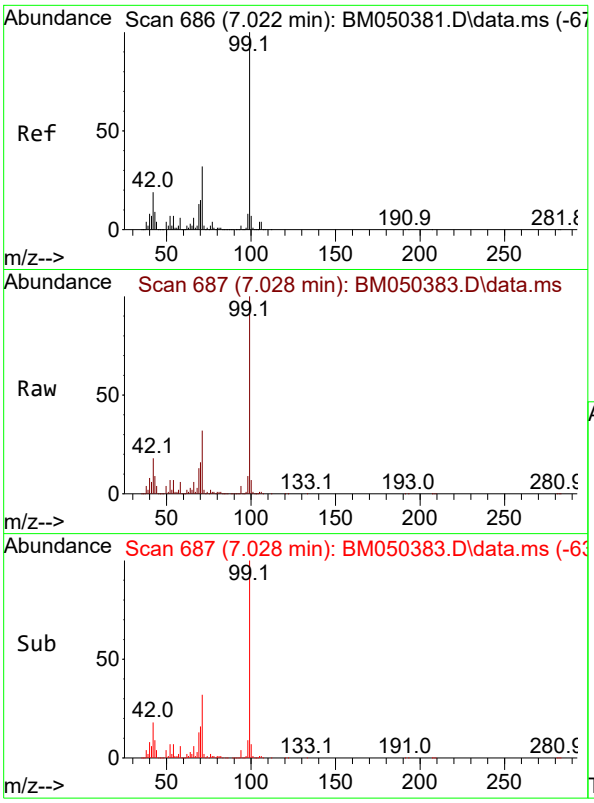




#6
Aniline
Concen: 63.416 ng
RT: 7.193 min Scan# 715
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion: 93 Resp: 2421019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 37.7 | 30.5 | 45.7 |
| 65 | 19.8 | 15.9 | 23.9 |



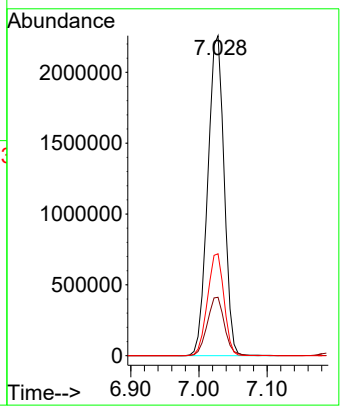


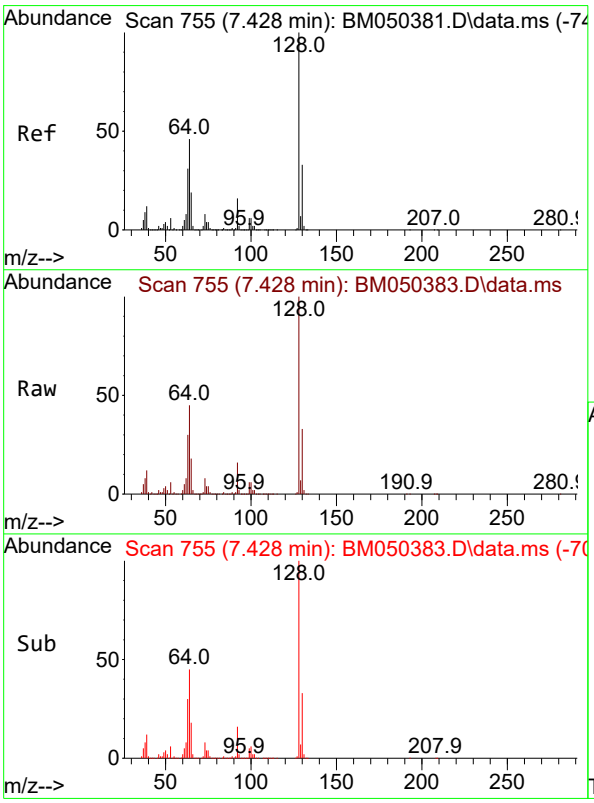

#7
Phenol-d6
Concen: 126.766 ng
RT: 7.028 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion: 99 Resp: 3771036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.3 | 15.0 | 22.6 |
| 71 | 31.8 | 25.9 | 38.9 |

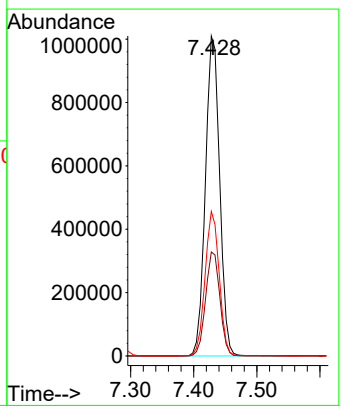


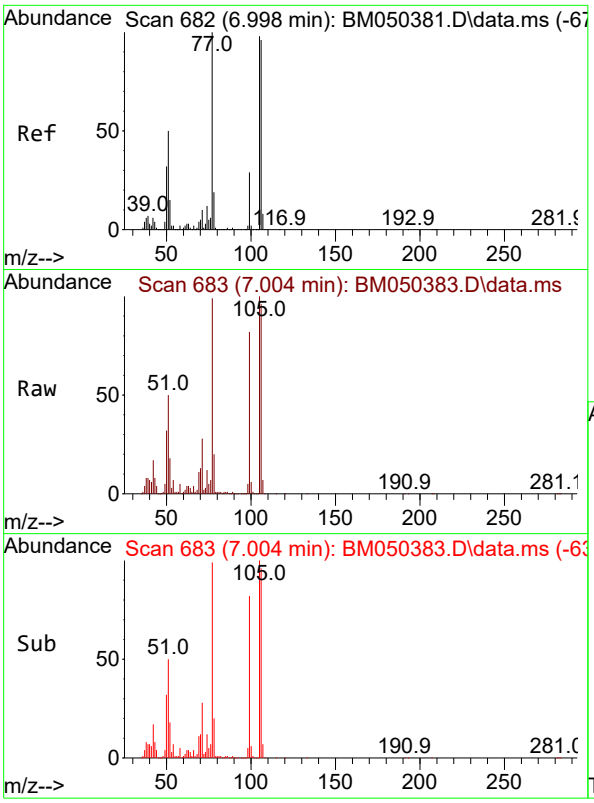




#8
2-Chlorophenol
Concen: 63.712 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:128 Resp: 1585370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.5 | 13.3 | 53.3 |
| 64 | 45.1 | 25.6 | 65.6 |



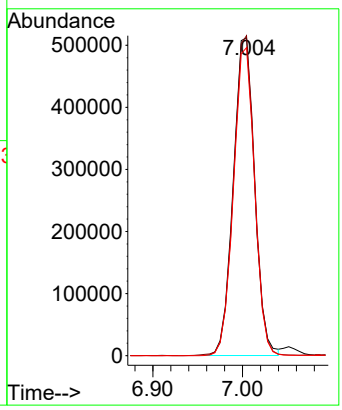


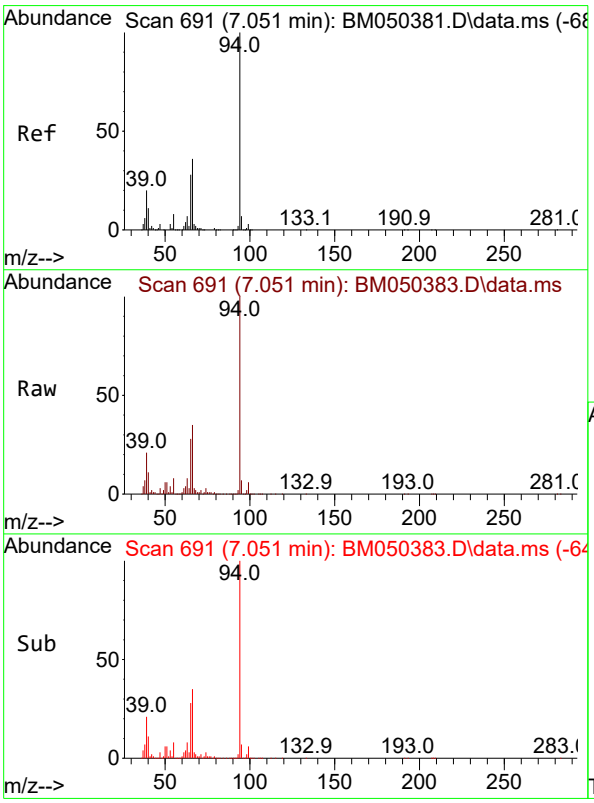

#9
Benzaldehyde
Concen: 47.768 ng
RT: 7.004 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion: 77 Resp: 845390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 100.6 | 78.4 | 118.4 |
| 106 | 96.9 | 76.3 | 116.3 |

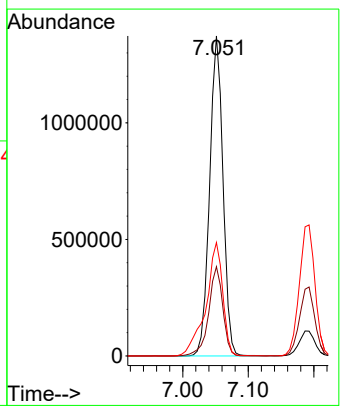


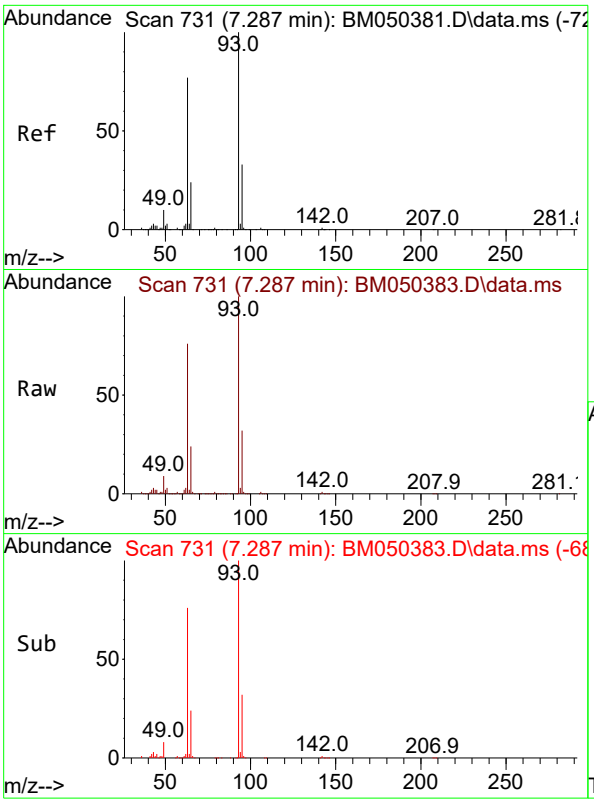




#10
Phenol
Concen: 62.748 ng
RT: 7.051 min Scan# 691
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion: 94 Resp: 1946908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 27.9 | 8.1 | 48.1 |
| 66 | 35.4 | 15.8 | 55.8 |



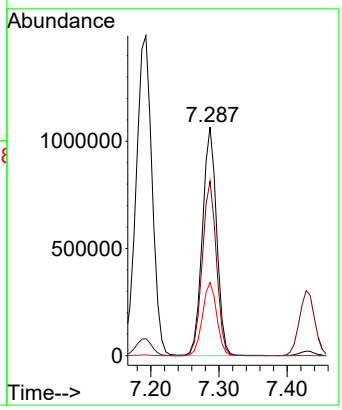


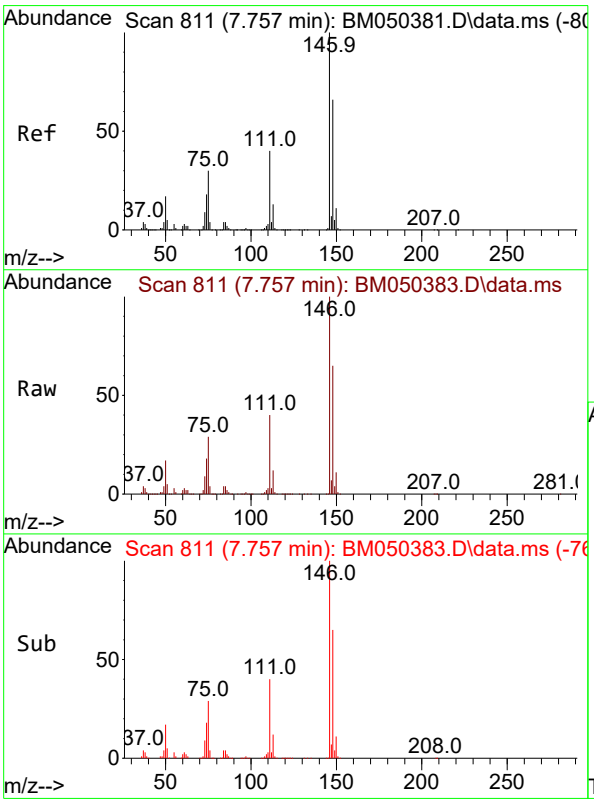

#11
bis(2-Chloroethyl)ether
Concen: 62.169 ng
RT: 7.287 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion: 93 Resp: 1544784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 76.4 | 56.9 | 96.9 |
| 95 | 32.1 | 12.6 | 52.6 |

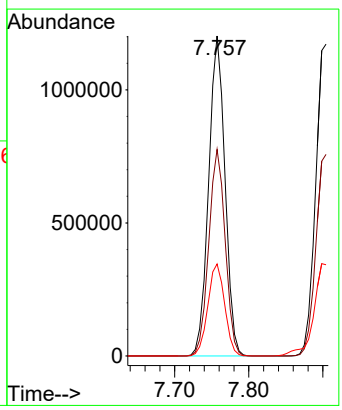


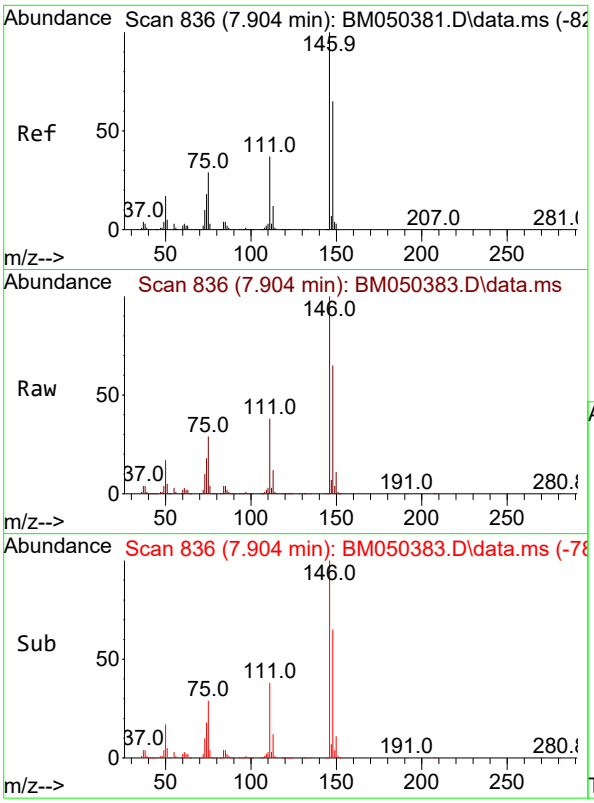




#12
1,3-Dichlorobenzene
Concen: 60.846 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:146 Resp: 1841011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 53.2 | 79.8 |
| 75 | 28.7 | 23.9 | 35.9 |



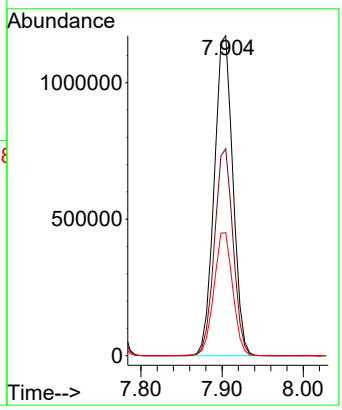


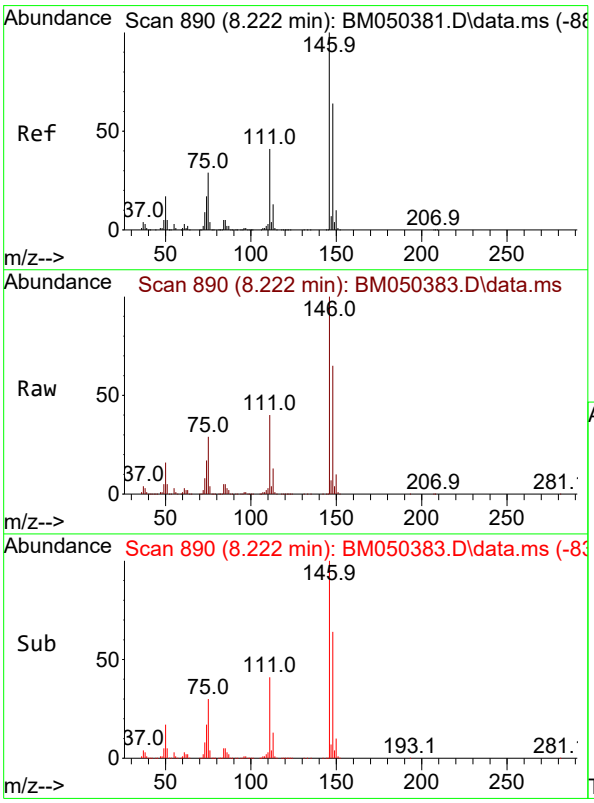

#13
1,4-Dichlorobenzene
Concen: 60.660 ng
RT: 7.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:146 Resp: 1874083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 51.9 | 77.9 |
| 111 | 38.4 | 30.0 | 45.0 |

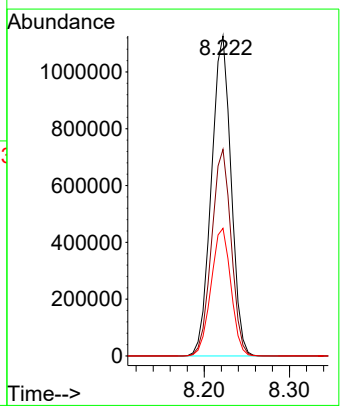


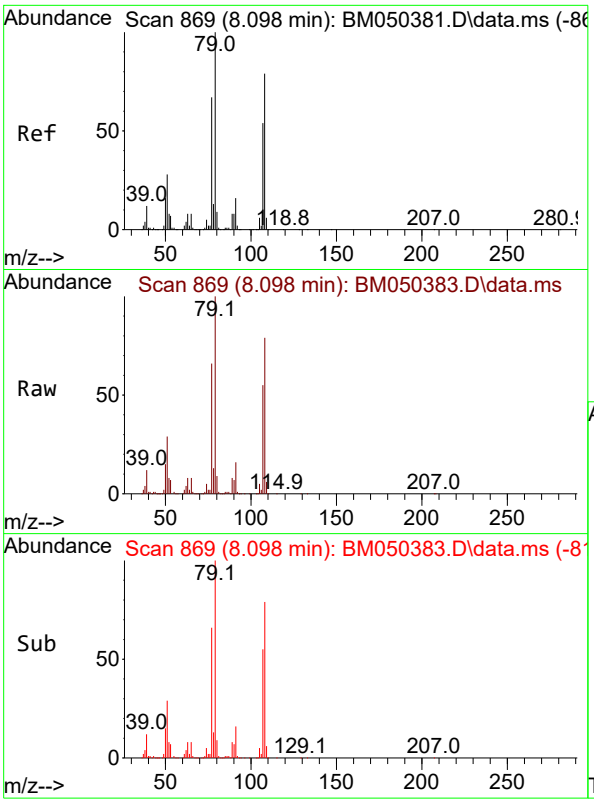




#14
1,2-Dichlorobenzene
Concen: 61.182 ng
RT: 8.222 min Scan# 890
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:146 Resp: 1809670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.5 | 77.3 |
| 111 | 39.9 | 32.6 | 49.0 |



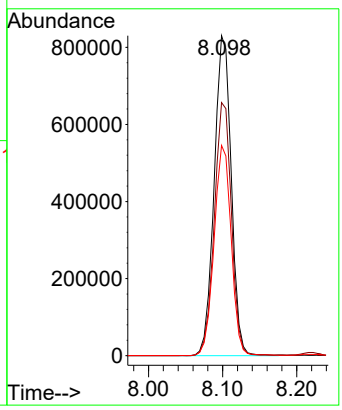


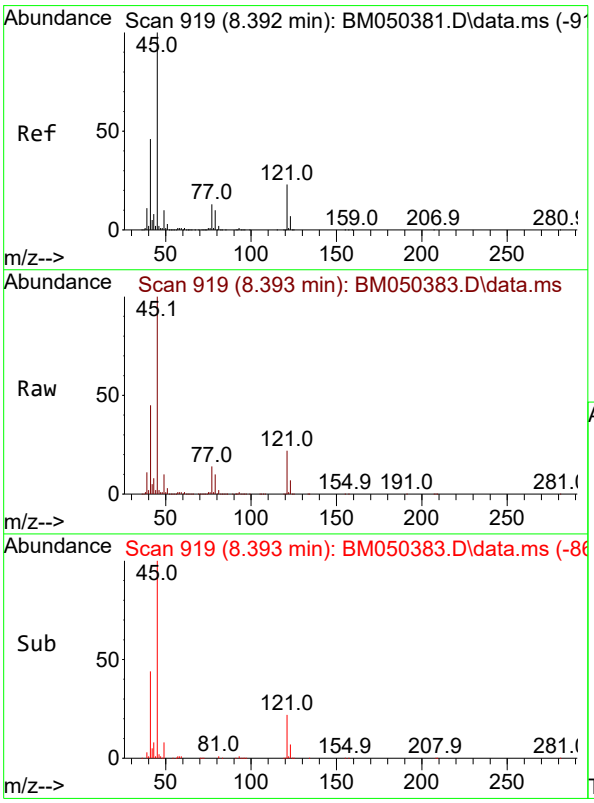

#15
Benzyl Alcohol
Concen: 63.380 ng
RT: 8.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion: 79 Resp: 1328453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 79.1 | 63.0 | 94.4 |
| 77 | 65.7 | 53.4 | 80.0 |

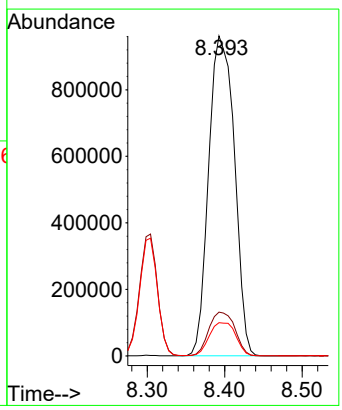


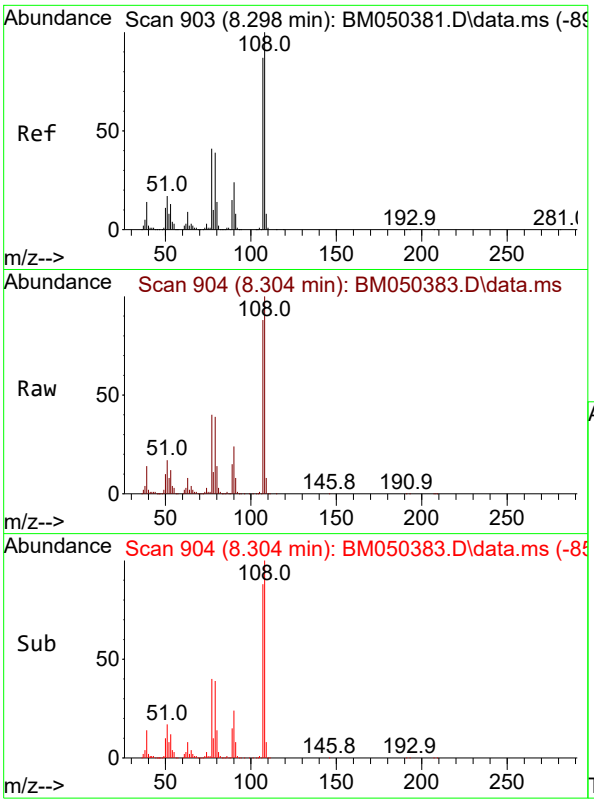




#16
2,2'-oxybis(1-Chloropropane)
Concen: 60.631 ng
RT: 8.393 min Scan# 919
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion: 45 Resp: 2219161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.7 | 0.0 | 33.5 |
| 79 | 10.4 | 0.0 | 30.3 |



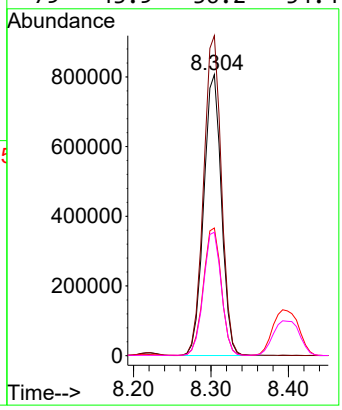


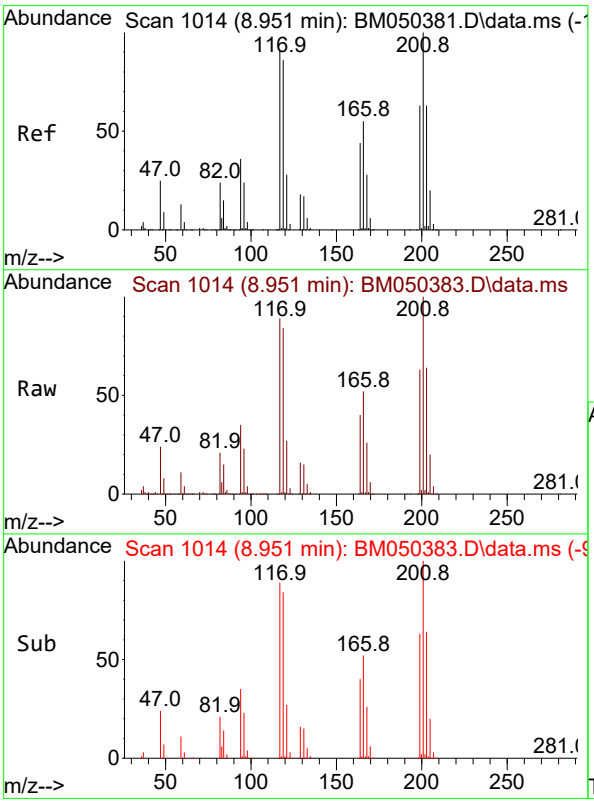

#17
2-Methylphenol
Concen: 63.479 ng
RT: 8.304 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:107 Resp: 1277440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.8 | 92.1 | 138.1 |
| 77 | 45.4 | 38.2 | 57.4 |
| 79 | 43.9 | 36.2 | 54.4 |

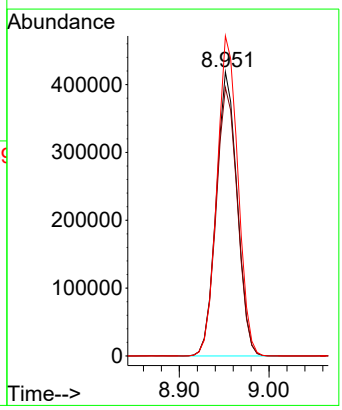


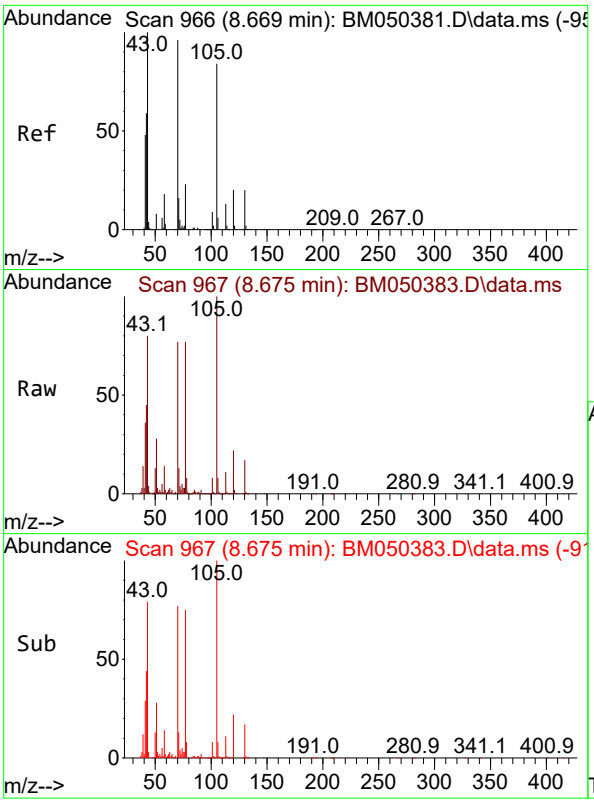




#18
Hexachloroethane
Concen: 62.403 ng
RT: 8.951 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:117 Resp: 678042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.5 | 75.6 | 113.4 |
| 201 | 112.7 | 87.9 | 131.9 |



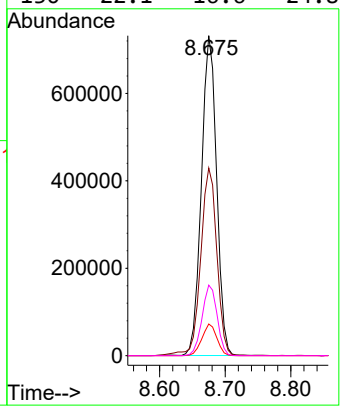


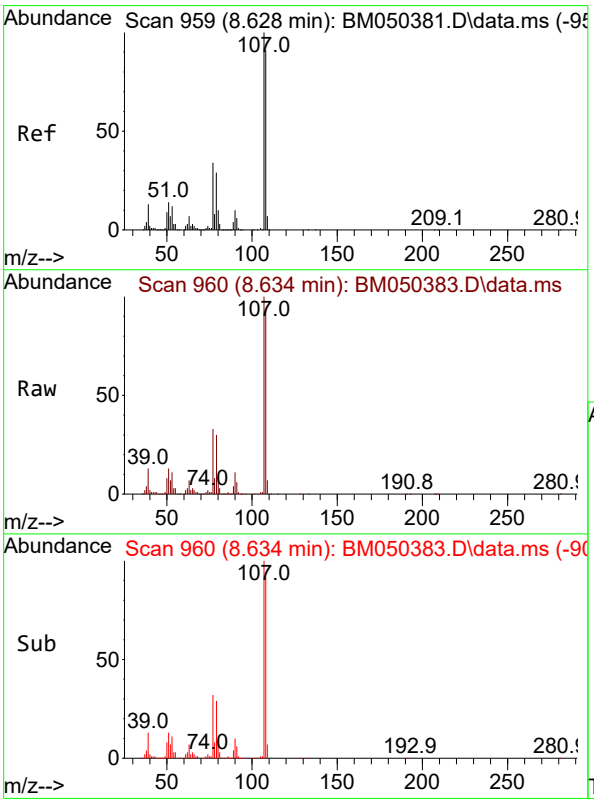

#19
n-Nitroso-di-n-propylamine
Concen: 65.485 ng
RT: 8.675 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion: 70 Resp: 1180119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 58.6 | 49.7 | 74.5 |
| 101 | 9.9 | 7.7 | 11.5 |
| 130 | 22.1 | 16.6 | 24.8 |

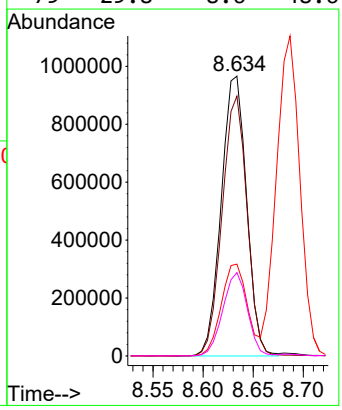


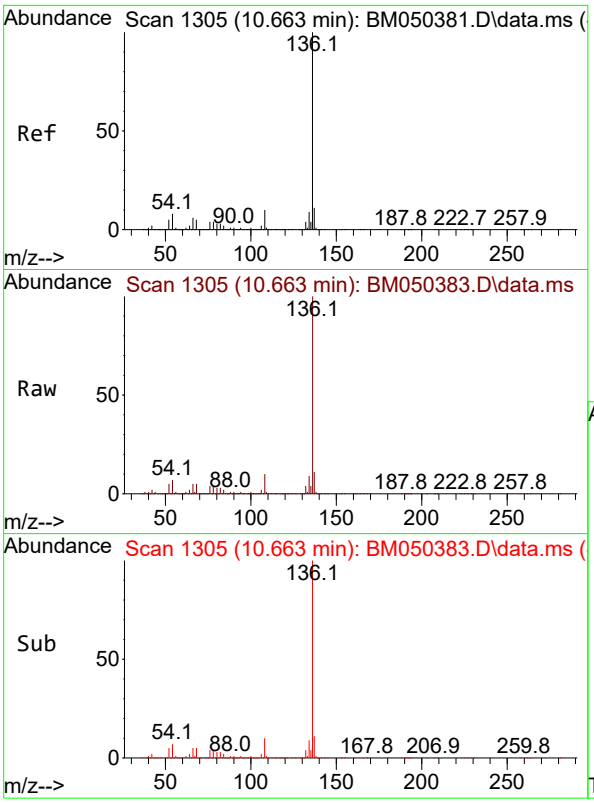




#20
3+4-Methylphenols
Concen: 62.832 ng
RT: 8.634 min Scan# 960
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:107 Resp: 1697411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 92.9 | 71.5 | 111.5 |
| 77 | 32.9 | 13.7 | 53.7 |
| 79 | 29.8 | 8.6 | 48.6 |



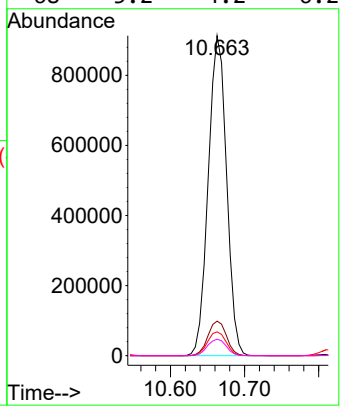


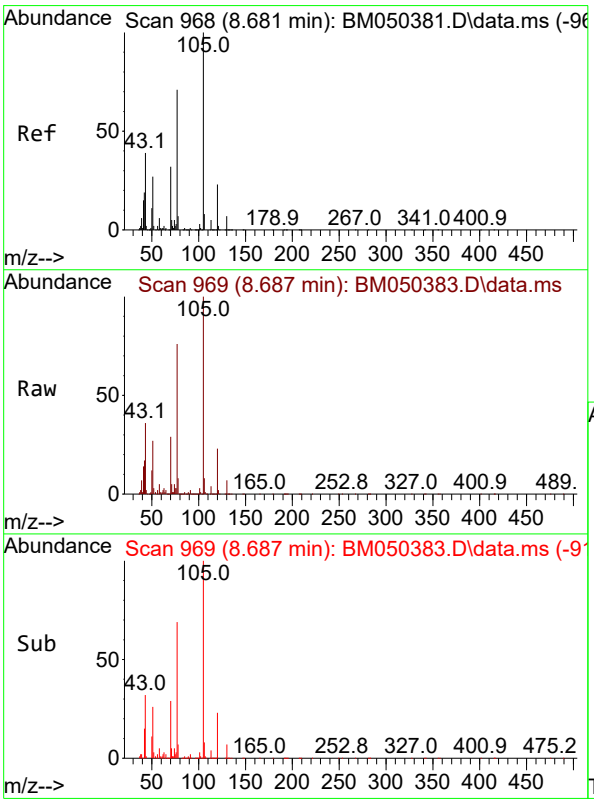

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:136 Resp: 1566187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.8 | 13.2 |
| 54 | 7.5 | 6.3 | 9.5 |
| 68 | 5.2 | 4.2 | 6.2 |

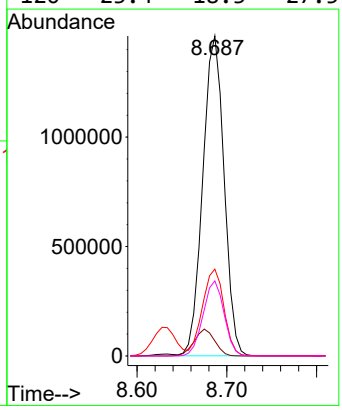


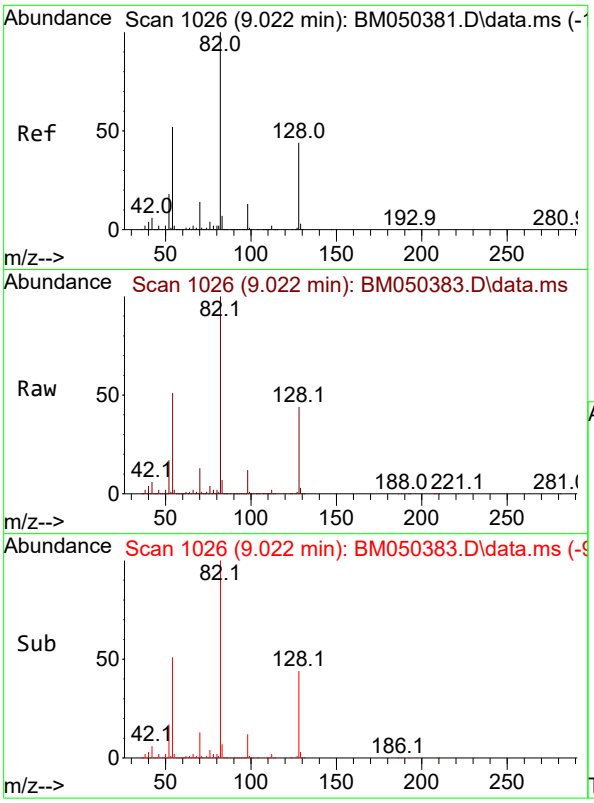




#22
Acetophenone
Concen: 61.517 ng
RT: 8.687 min Scan# 969
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:105 Resp: 2408904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 4.7 | 4.4 | 6.6 |
| 51 | 27.2 | 23.0 | 34.6 |
| 120 | 23.4 | 18.3 | 27.5 |



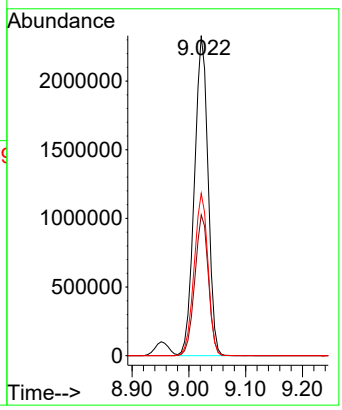


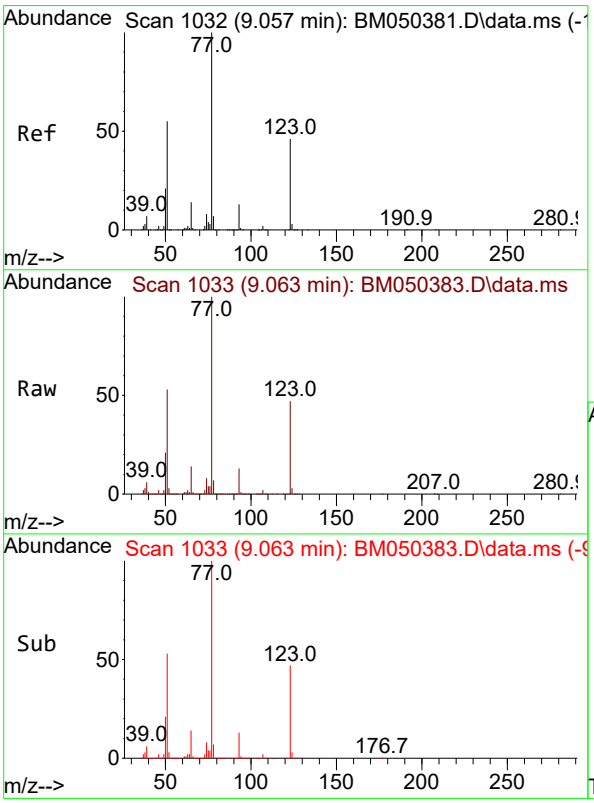

#23
Nitrobenzene-d5
Concen: 126.983 ng
RT: 9.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion: 82 Resp: 3898203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.0 | 35.2 | 52.8 |
| 54 | 50.7 | 41.5 | 62.3 |

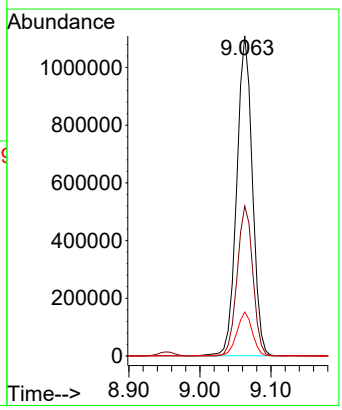


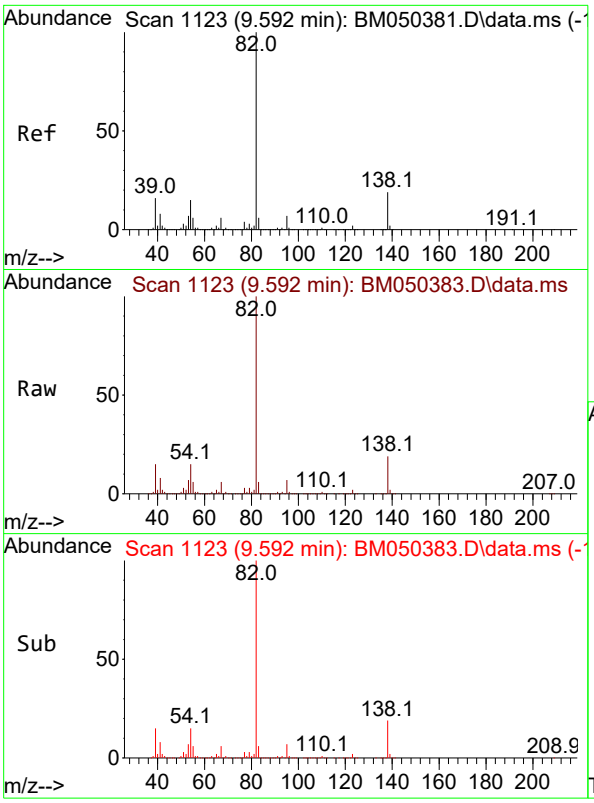




#24
Nitrobenzene
Concen: 62.165 ng
RT: 9.063 min Scan# 1033
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion: 77 Resp: 1702957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.9 | 37.0 | 55.6 |
| 65 | 13.7 | 11.0 | 16.4 |



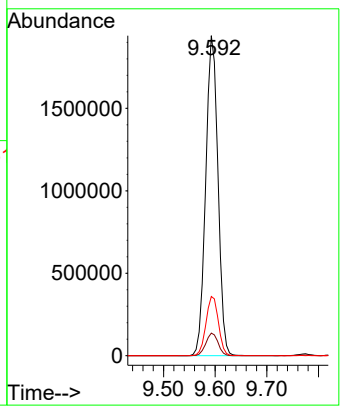


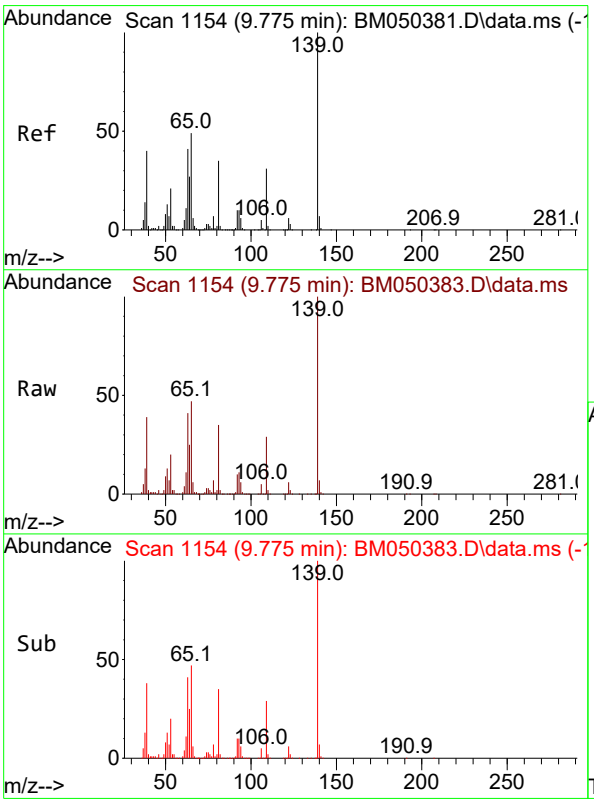

#25
Isophorone
Concen: 64.054 ng
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion: 82 Resp: 3190767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.0 | 5.6 | 8.4 |
| 138 | 18.5 | 15.3 | 22.9 |

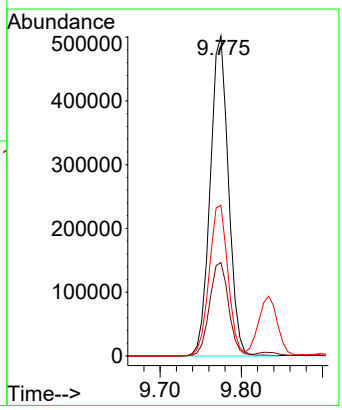


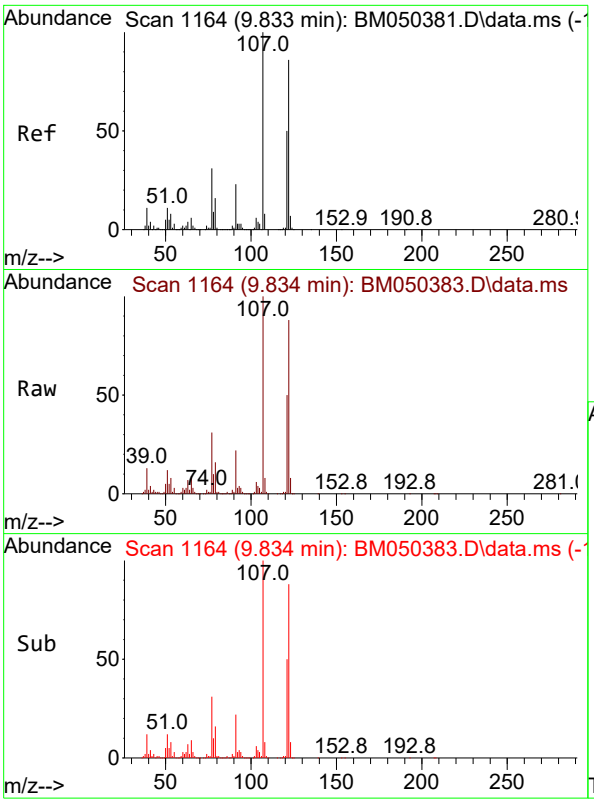




#26
2-Nitrophenol
Concen: 70.186 ng
RT: 9.775 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:139 Resp: 783612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.2 | 24.6 | 36.8 |
| 65 | 47.1 | 39.2 | 58.8 |



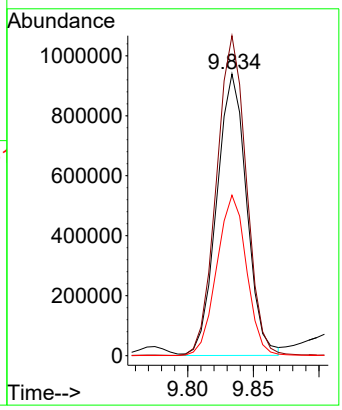


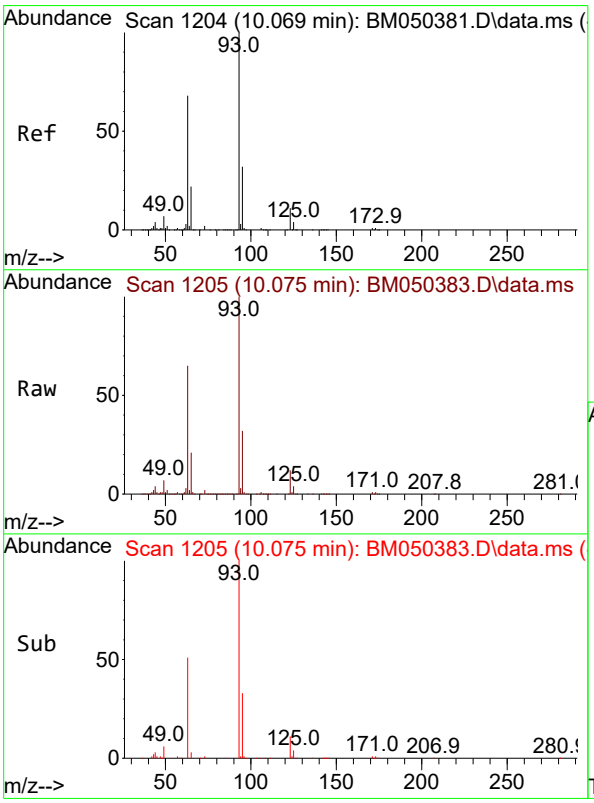

#27
2,4-Dimethylphenol
Concen: 62.749 ng
RT: 9.834 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:122 Resp: 1490764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 113.6 | 93.0 | 139.6 |
| 121 | 57.0 | 46.1 | 69.1 |

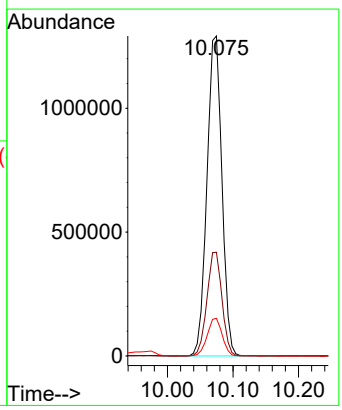


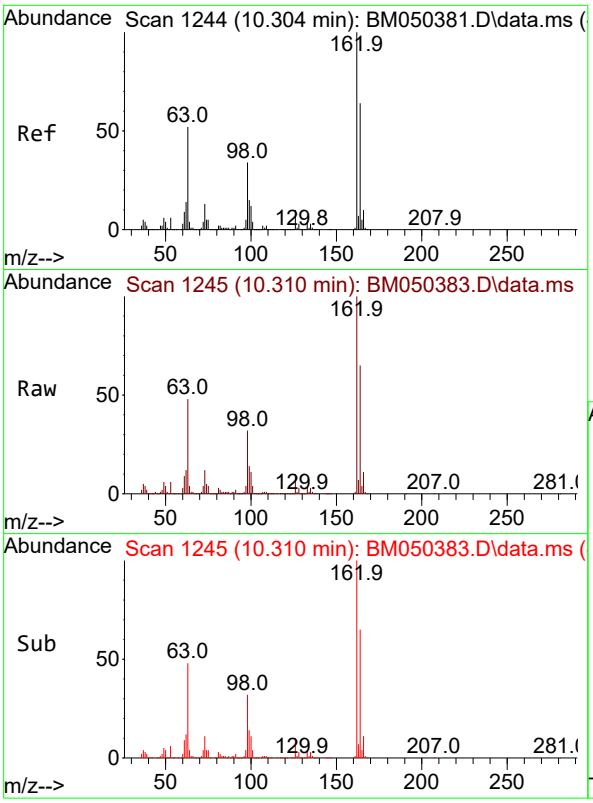




#28
bis(2-Chloroethoxy)methane
Concen: 62.070 ng
RT: 10.075 min Scan# 1205
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion: 93 Resp: 2048832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 25.8 | 38.6 |
| 123 | 11.7 | 9.1 | 13.7 |



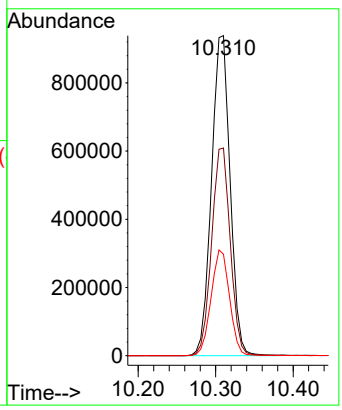


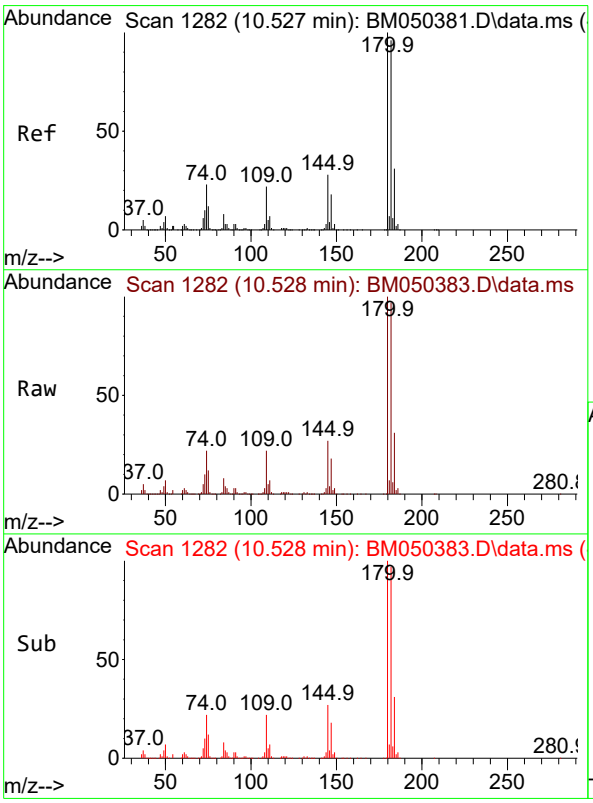

#29
2,4-Dichlorophenol
Concen: 64.353 ng
RT: 10.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:162 Resp: 1570701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.9 | 43.7 | 83.7 |
| 98 | 31.7 | 13.7 | 53.7 |

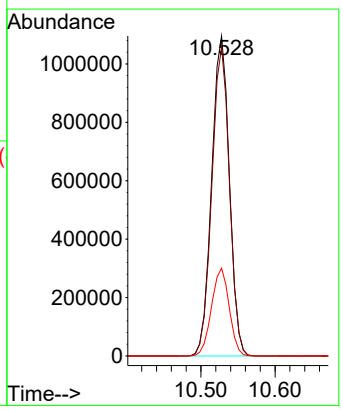


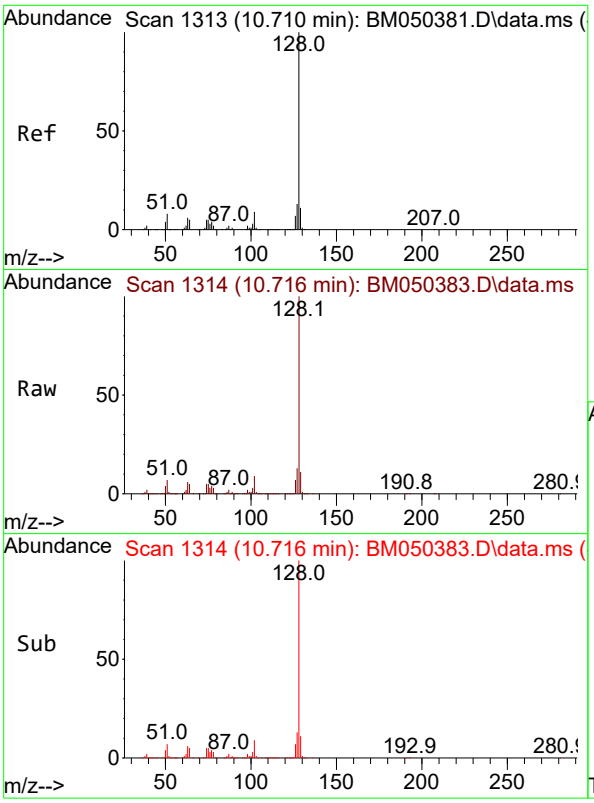




#30
1,2,4-Trichlorobenzene
Concen: 62.024 ng
RT: 10.528 min Scan# 1282
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:180 Resp: 1810982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 76.8 | 115.2 |
| 145 | 27.4 | 22.6 | 33.8 |



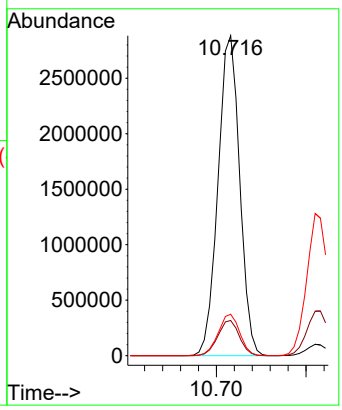


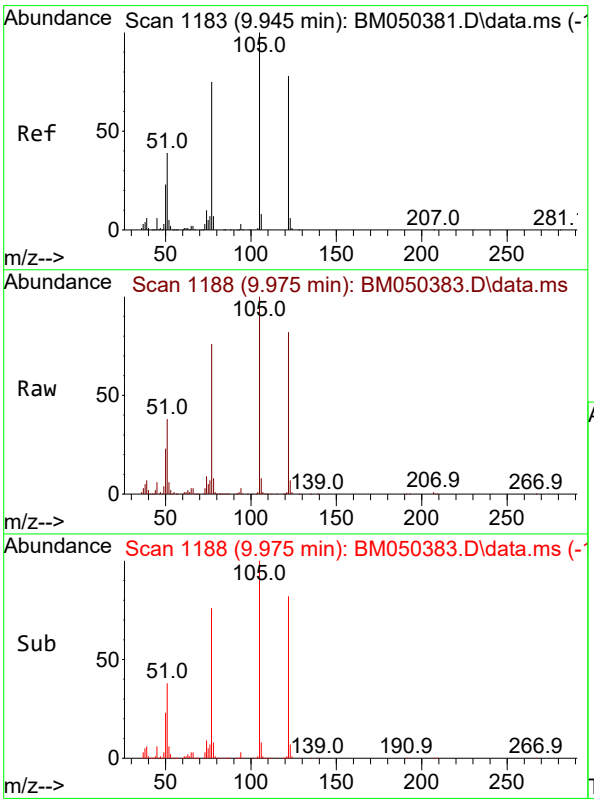

#31
Naphthalene
Concen: 60.775 ng
RT: 10.716 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:128 Resp: 4834692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.8 | 13.2 |
| 127 | 13.0 | 10.4 | 15.6 |

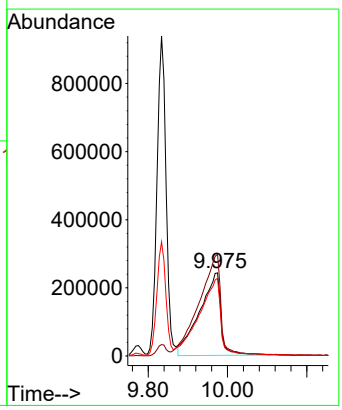


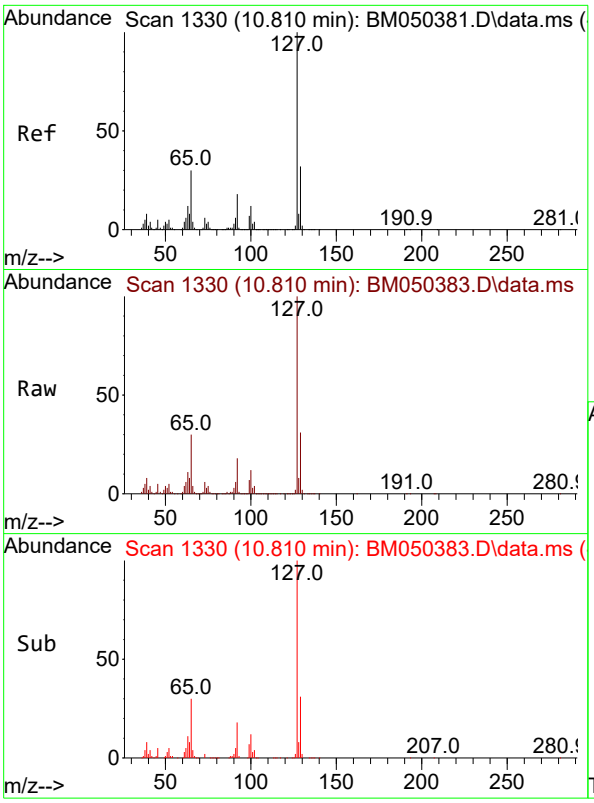




#32
Benzoic acid
Concen: 60.734 ng
RT: 9.975 min Scan# 1188
Delta R.T. 0.030 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:122 Resp: 912053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 122.5 | 104.0 | 144.0 |
| 77 | 93.4 | 73.8 | 113.8 |



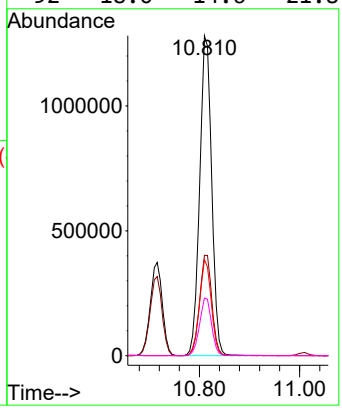


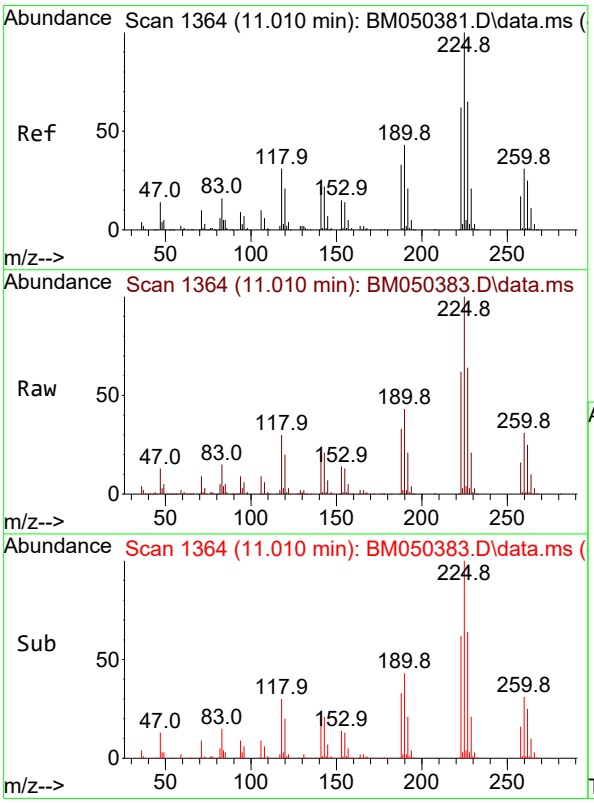

#33
4-Chloroaniline
Concen: 63.348 ng
RT: 10.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:127 Resp: 2130451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.3 | 25.5 | 38.3 |
| 65 | 30.0 | 23.9 | 35.9 |
| 92 | 18.0 | 14.6 | 21.8 |

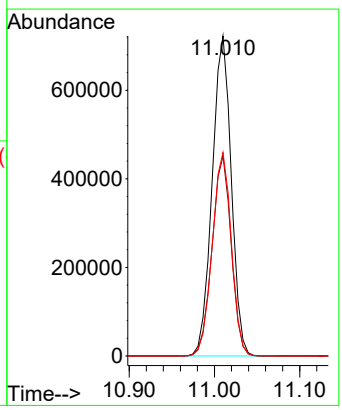


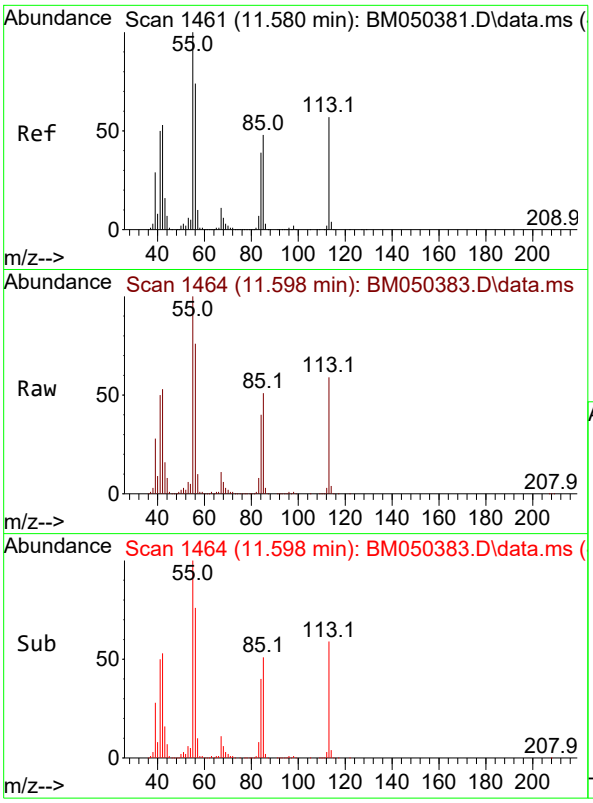




#34
Hexachlorobutadiene
Concen: 63.032 ng
RT: 11.010 min Scan# 1364
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:225 Resp: 1123283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.4 | 49.7 | 74.5 |
| 227 | 63.6 | 52.1 | 78.1 |



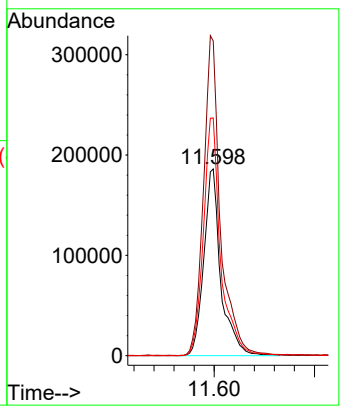


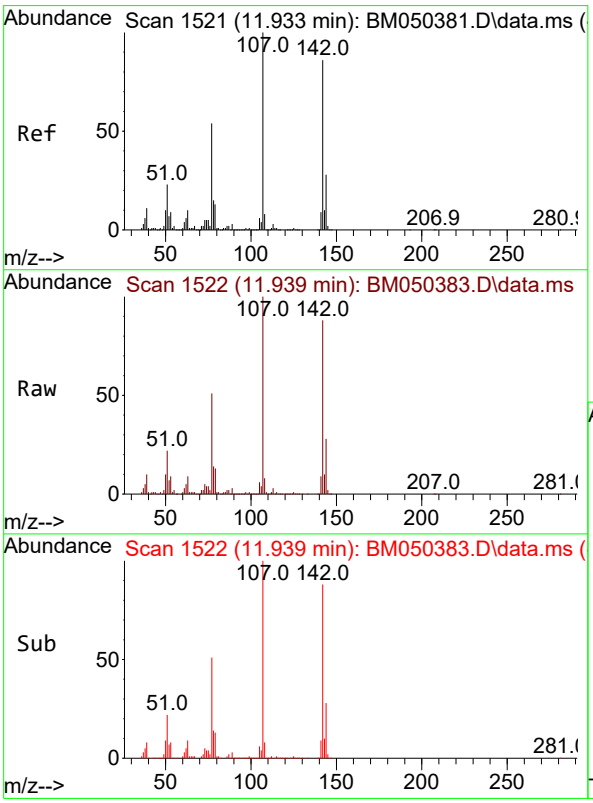

#35
Caprolactam
Concen: 65.768 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.018 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:113 Resp: 438205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 168.5 | 157.2 | 197.2 |
| 56 | 127.3 | 111.7 | 151.7 |

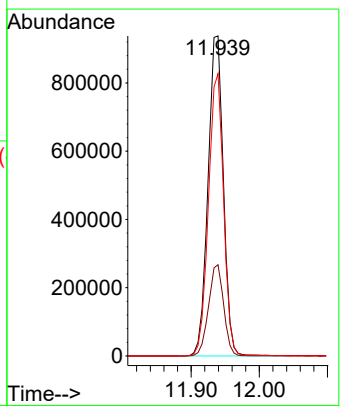


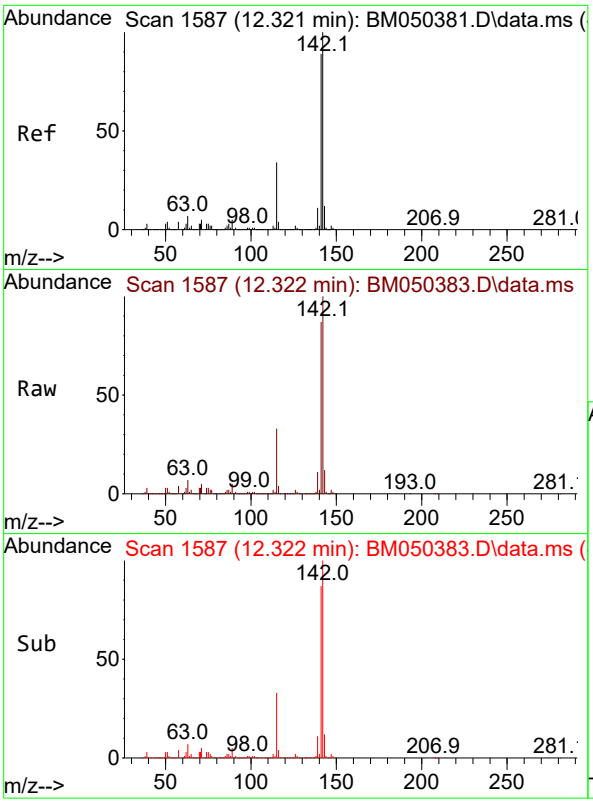




#36
4-Chloro-3-methylphenol
Concen: 64.612 ng
RT: 11.939 min Scan# 1522
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:107 Resp: 1472646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 28.5 | 22.2 | 33.4 |
| 142 | 88.2 | 68.7 | 103.1 |



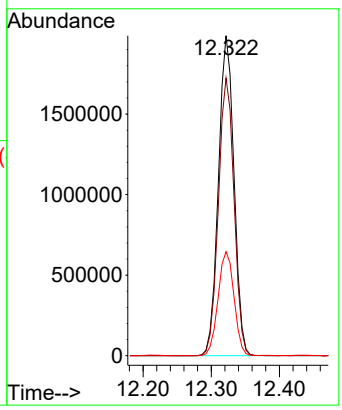


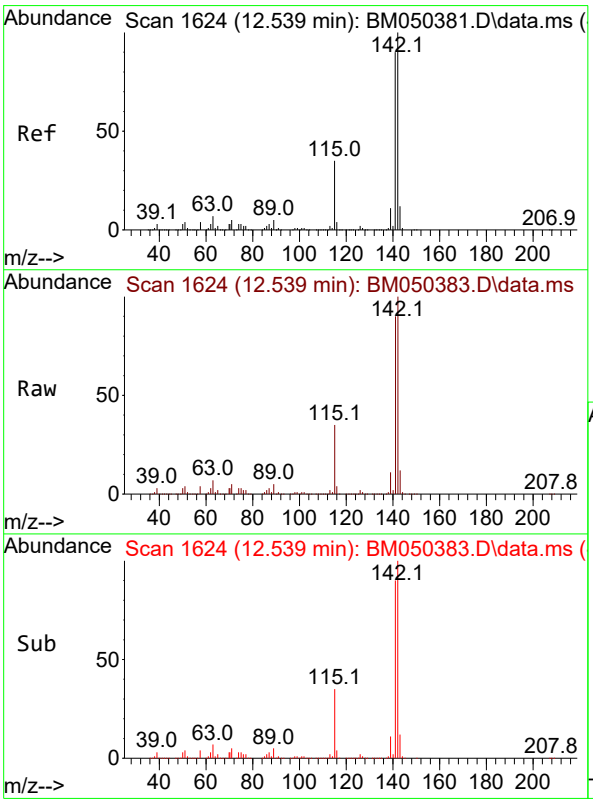

#37
2-Methylnaphthalene
Concen: 62.784 ng
RT: 12.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:142 Resp: 3153595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.8 | 70.8 | 106.2 |
| 115 | 32.5 | 27.0 | 40.4 |

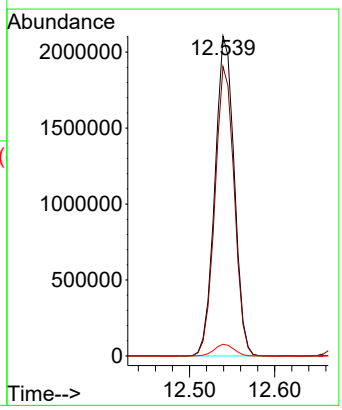


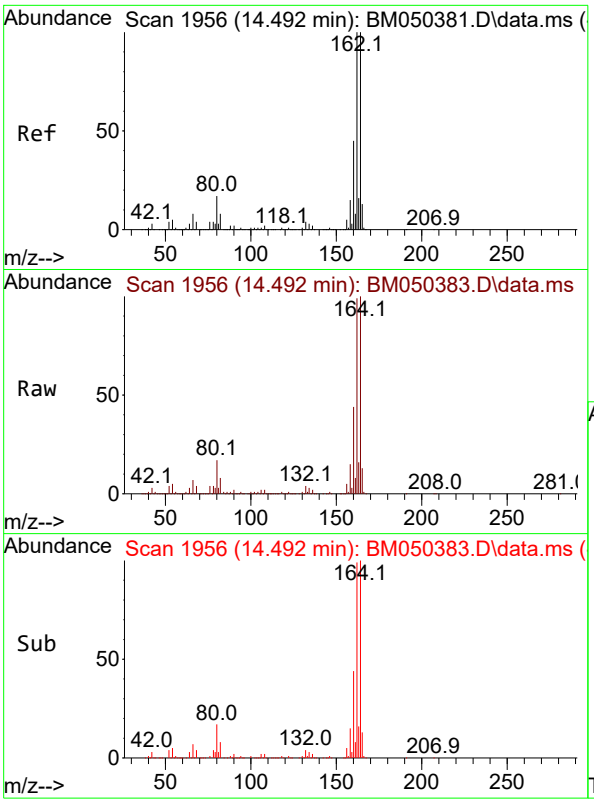




#38
1-Methylnaphthalene
Concen: 62.500 ng
RT: 12.539 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:142 Resp: 3322331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.4 | 71.9 | 107.9 |
| 116 | 3.6 | 3.0 | 4.6 |



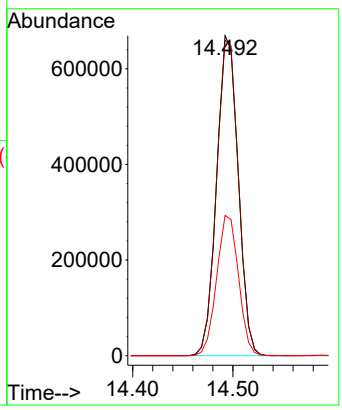


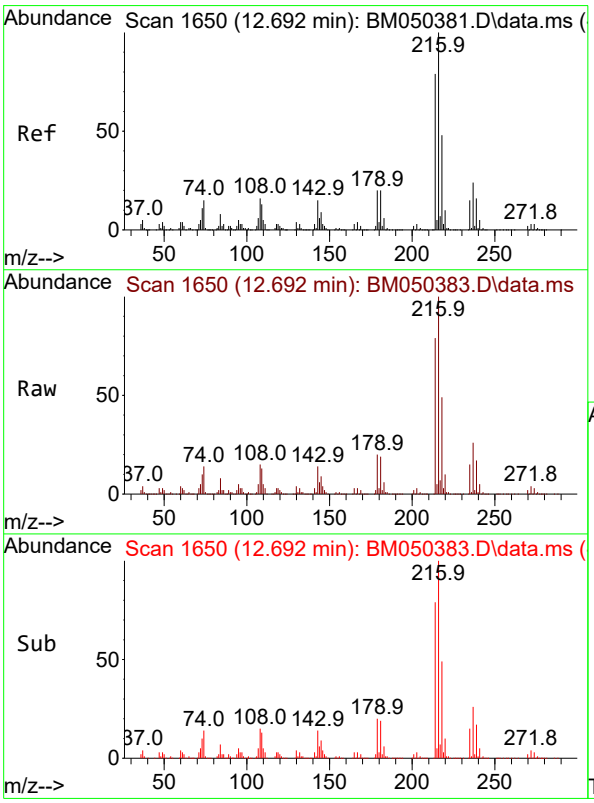

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:164 Resp: 998713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.6 | 79.9 | 119.9 |
| 160 | 43.8 | 36.2 | 54.4 |

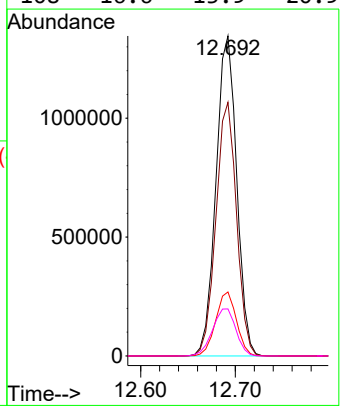


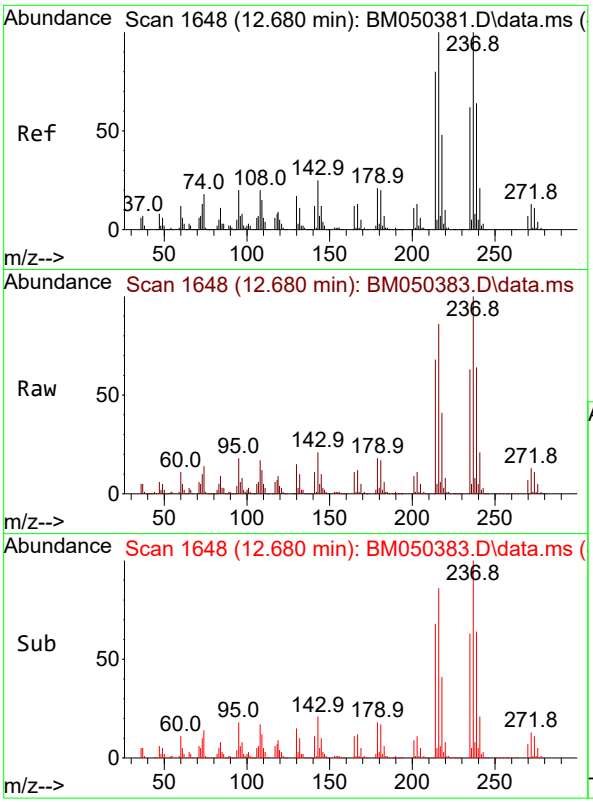




#40
1,2,4,5-Tetrachlorobenzene
Concen: 64.436 ng
RT: 12.692 min Scan# 1650
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:216 Resp: 2046472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.9 | 63.3 | 94.9 |
| 179 | 20.1 | 16.4 | 24.6 |
| 108 | 16.6 | 13.9 | 20.9 |



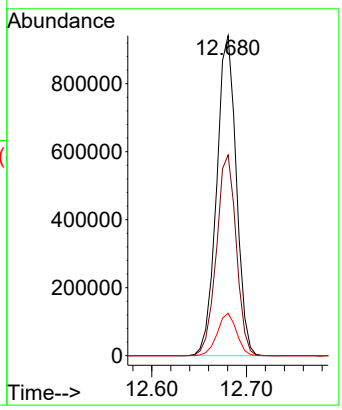


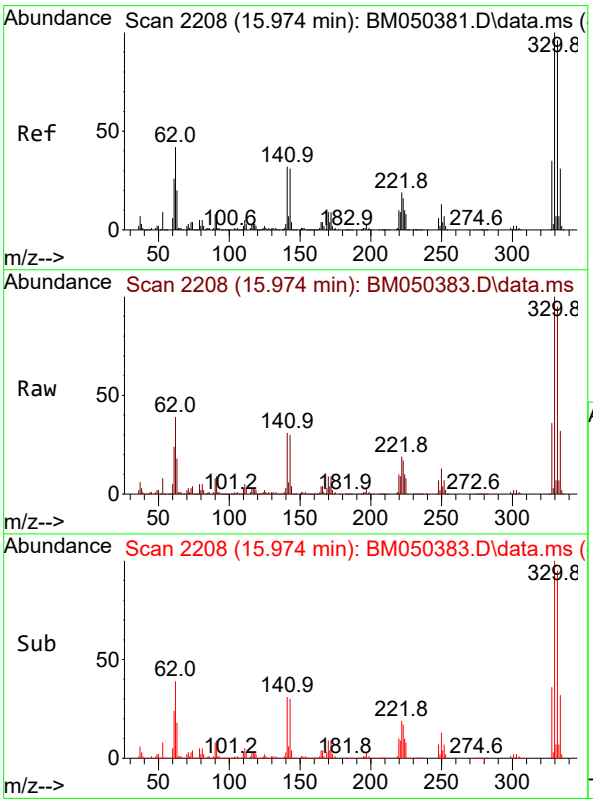

#41
Hexachlorocyclopentadiene
Concen: 66.942 ng
RT: 12.680 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:237 Resp: 1359023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.8 | 42.3 | 82.3 |
| 272 | 13.3 | 0.0 | 33.0 |

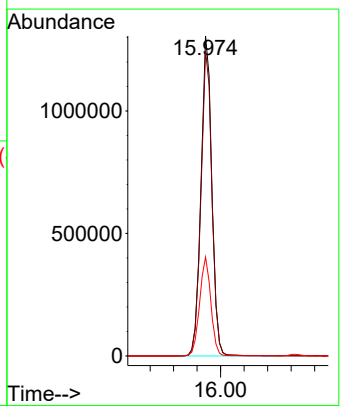


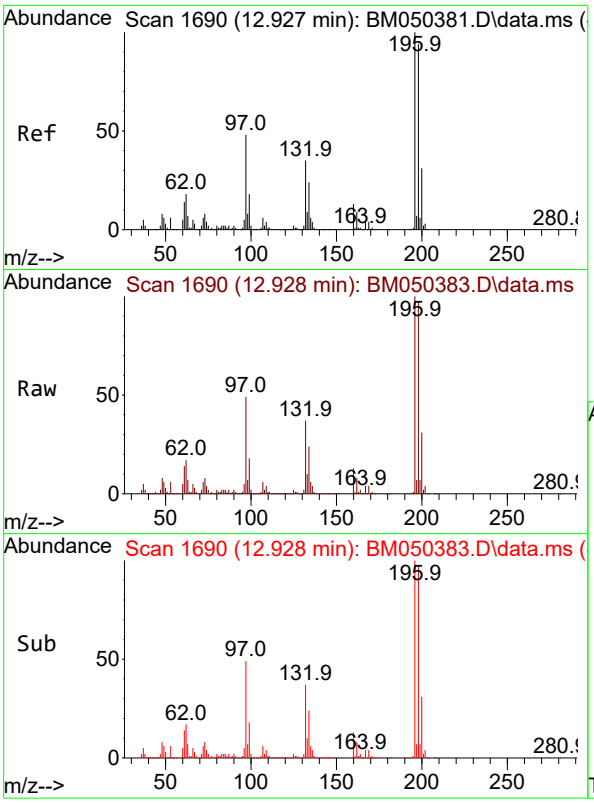




#42
2,4,6-Tribromophenol
Concen: 138.460 ng
RT: 15.974 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:330 Resp: 1680132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 76.9 | 115.3 |
| 141 | 31.9 | 27.4 | 41.0 |



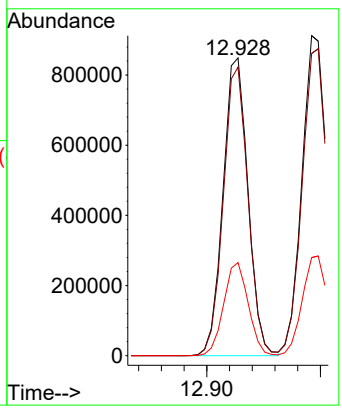


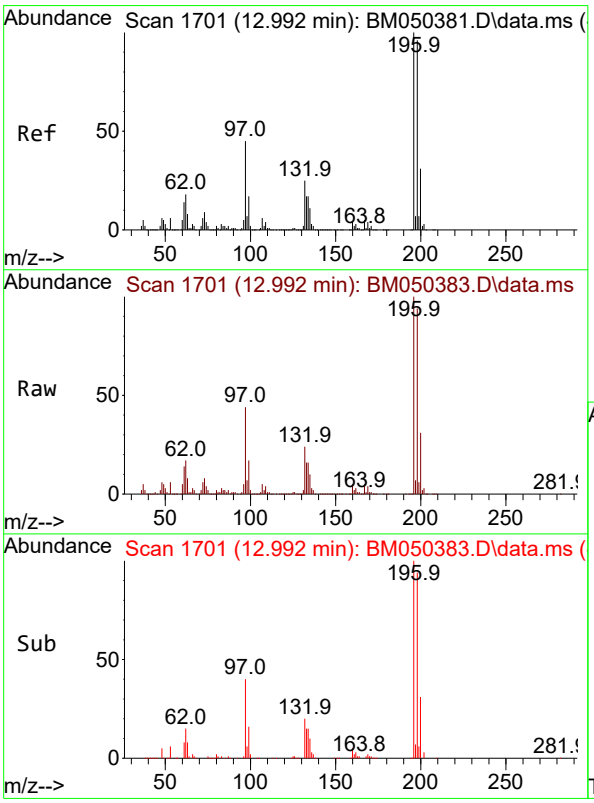

#43
2,4,6-Trichlorophenol
Concen: 66.483 ng
RT: 12.928 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:196 Resp: 1299719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.8 | 75.1 | 112.7 |
| 200 | 31.3 | 24.6 | 37.0 |

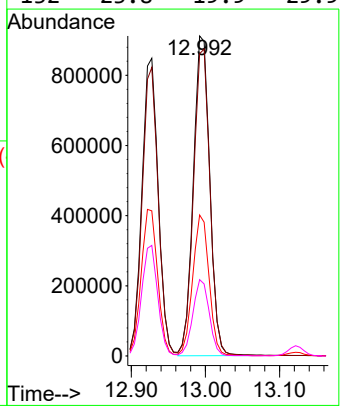


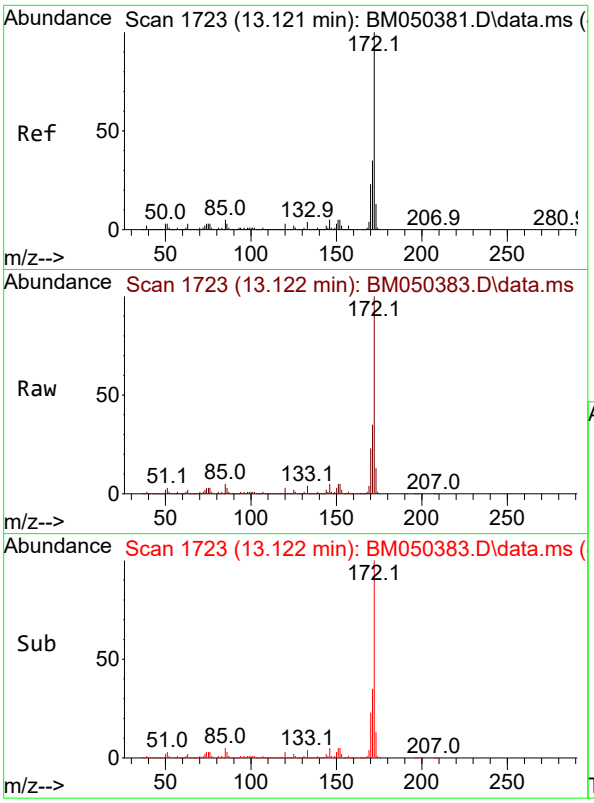




#44
2,4,5-Trichlorophenol
Concen: 65.913 ng
RT: 12.992 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:196 Resp: 1407280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.5 | 77.2 | 115.8 |
| 97 | 44.0 | 36.2 | 54.4 |
| 132 | 23.8 | 19.9 | 29.9 |



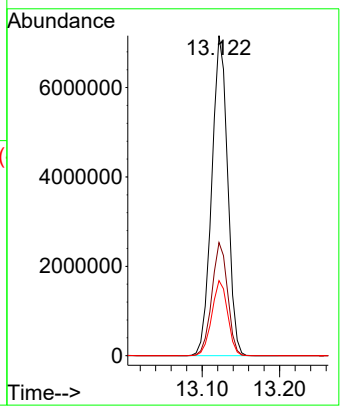


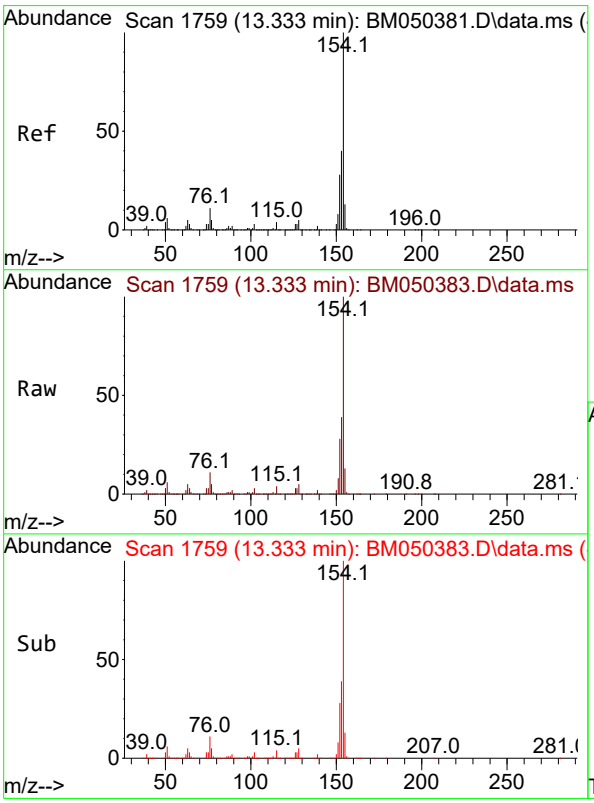

#45
2-Fluorobiphenyl
Concen: 125.724 ng
RT: 13.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:172 Resp:10167533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 27.7 | 41.5 |
| 170 | 23.5 | 18.8 | 28.2 |

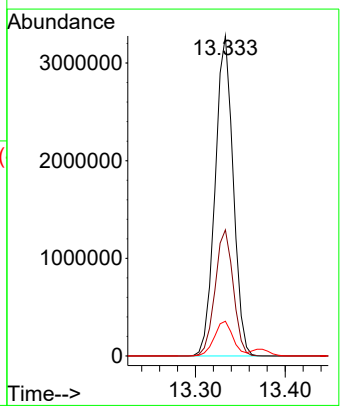


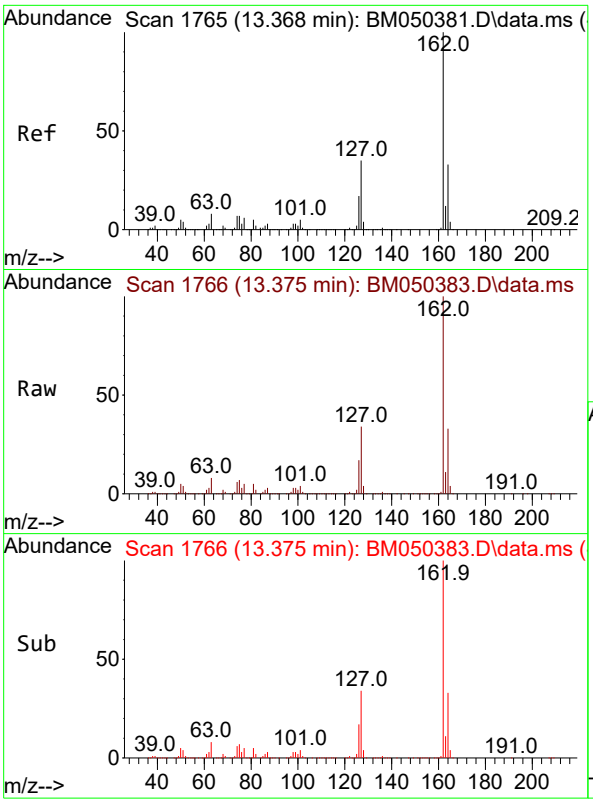




#46
1,1'-Biphenyl
Concen: 61.736 ng
RT: 13.333 min Scan# 1759
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:154 Resp: 4574537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.4 | 19.7 | 59.7 |
| 76 | 10.9 | 0.0 | 30.9 |



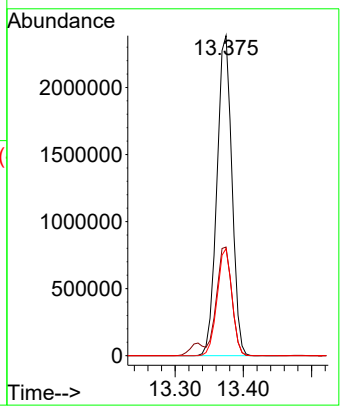


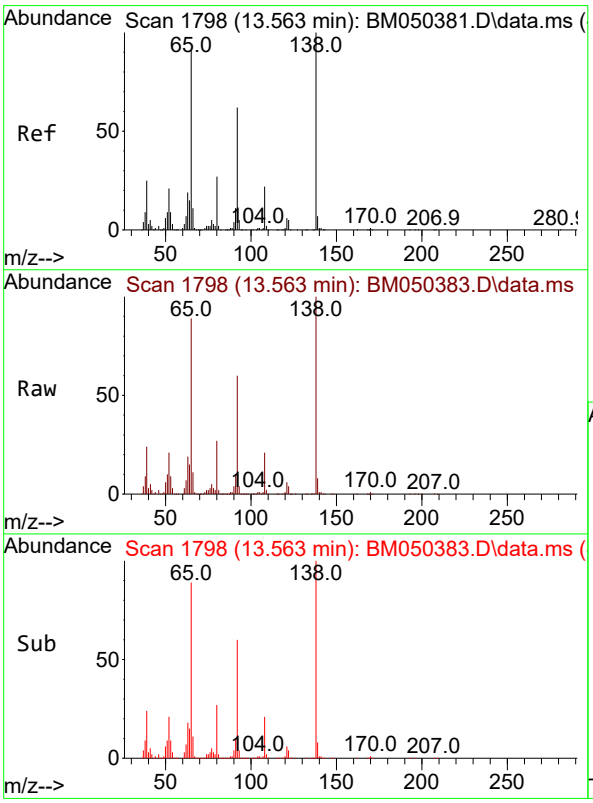

#47
2-Chloronaphthalene
Concen: 61.699 ng
RT: 13.375 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:162 Resp: 3645124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 34.0 | 28.3 | 42.5 |
| 164 | 33.4 | 26.6 | 40.0 |

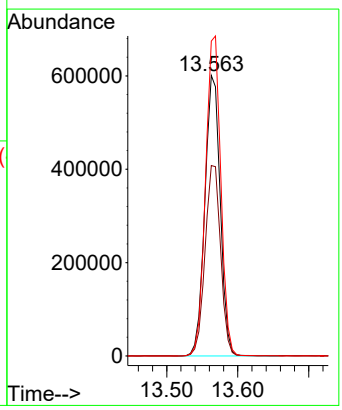


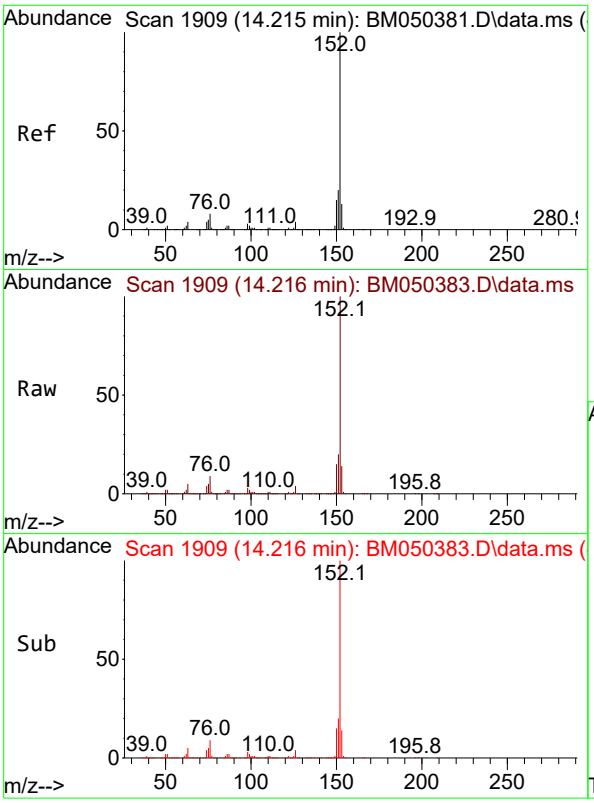




#48
2-Nitroaniline
Concen: 68.554 ng
RT: 13.563 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion: 65 Resp: 904021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 67.9 | 54.3 | 81.5 |
| 138 | 112.3 | 87.8 | 131.6 |



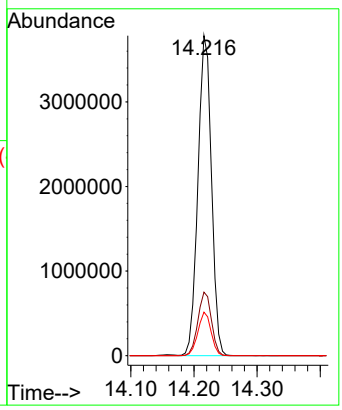


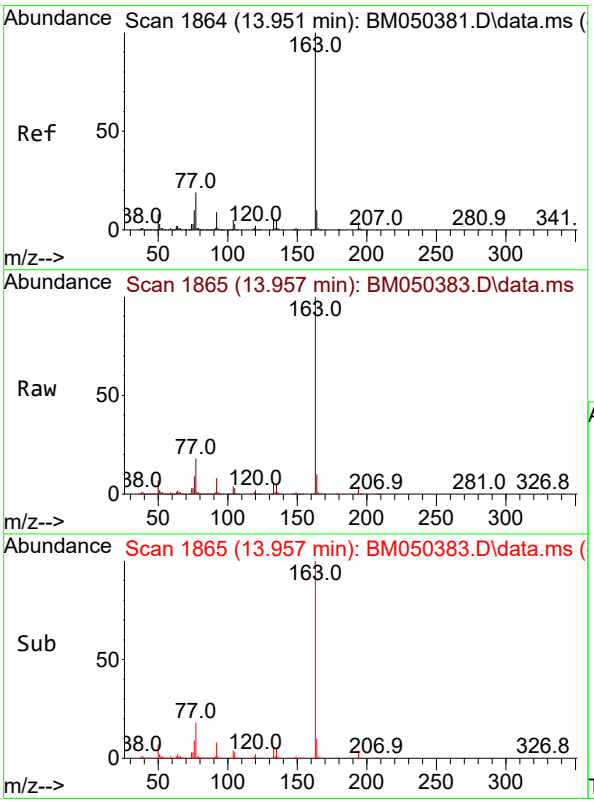

#49
Acenaphthylene
Concen: 62.931 ng
RT: 14.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:152 Resp: 5618754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 16.3 | 24.5 |
| 153 | 13.6 | 10.6 | 15.8 |

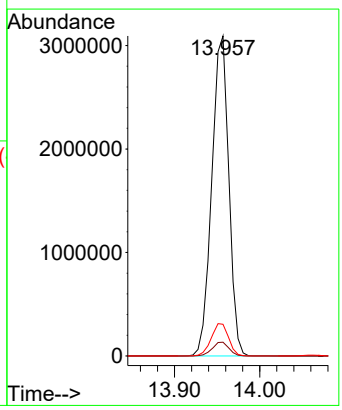


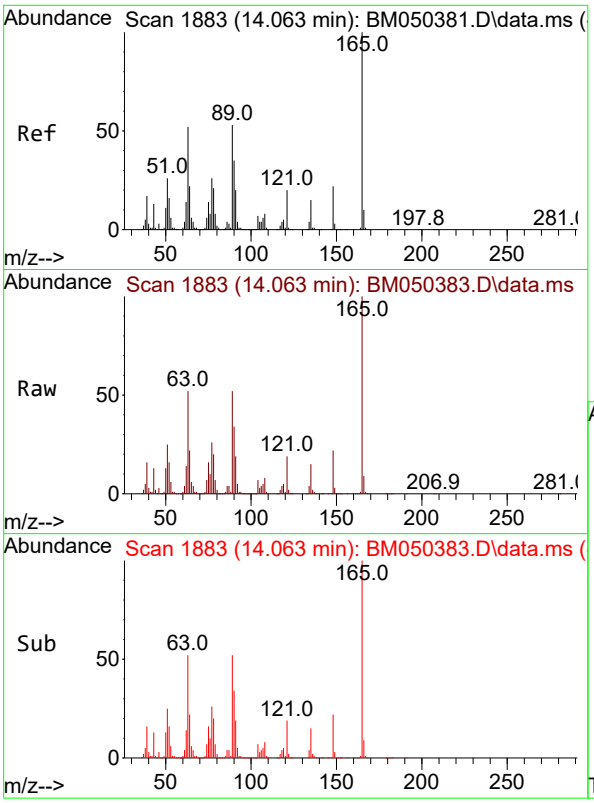




#50
Dimethylphthalate
Concen: 62.407 ng
RT: 13.957 min Scan# 1865
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:163 Resp: 4291046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.2 |
| 164 | 9.9 | 8.2 | 12.2 |



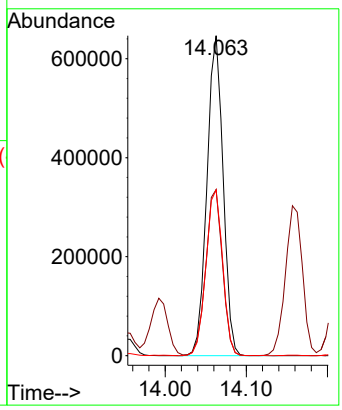


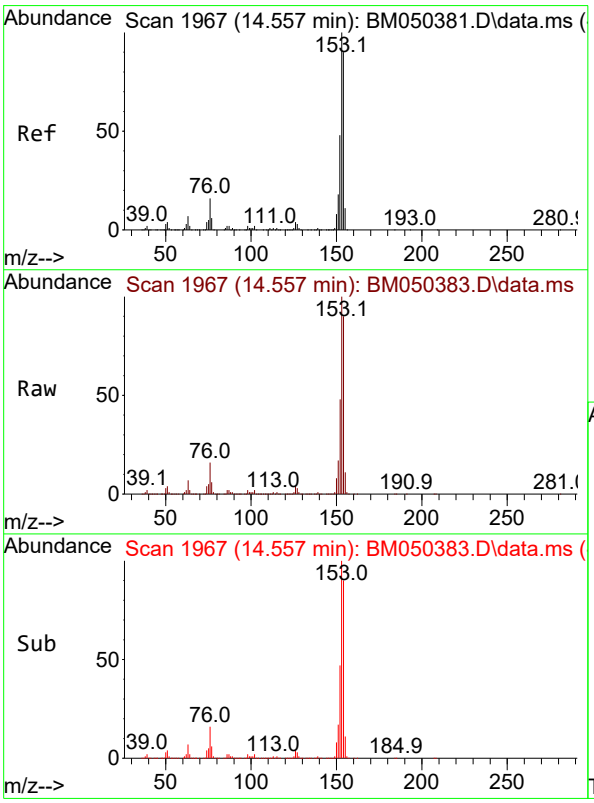

#51
2,6-Dinitrotoluene
Concen: 67.510 ng
RT: 14.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:165 Resp: 891260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 51.9 | 42.4 | 63.6 |
| 89 | 51.8 | 42.2 | 63.2 |

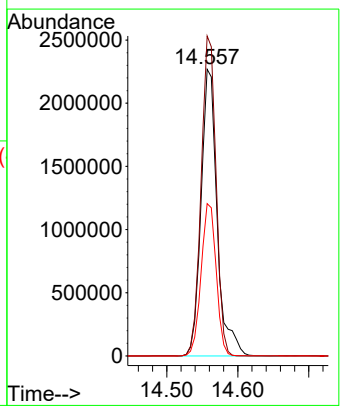


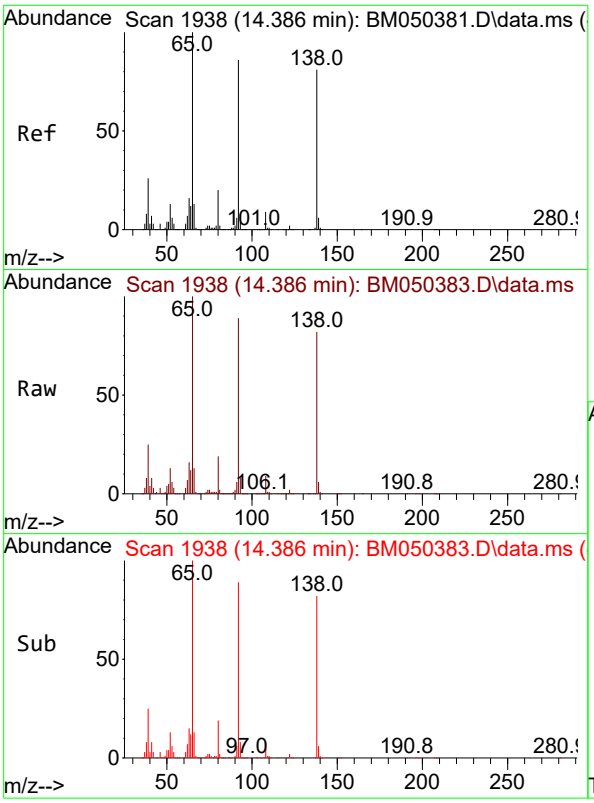




#52
Acenaphthene
Concen: 63.105 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:154 Resp: 3582059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.6 | 89.2 | 133.8 |
| 152 | 53.1 | 42.6 | 64.0 |



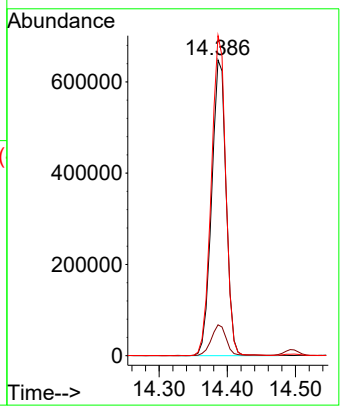


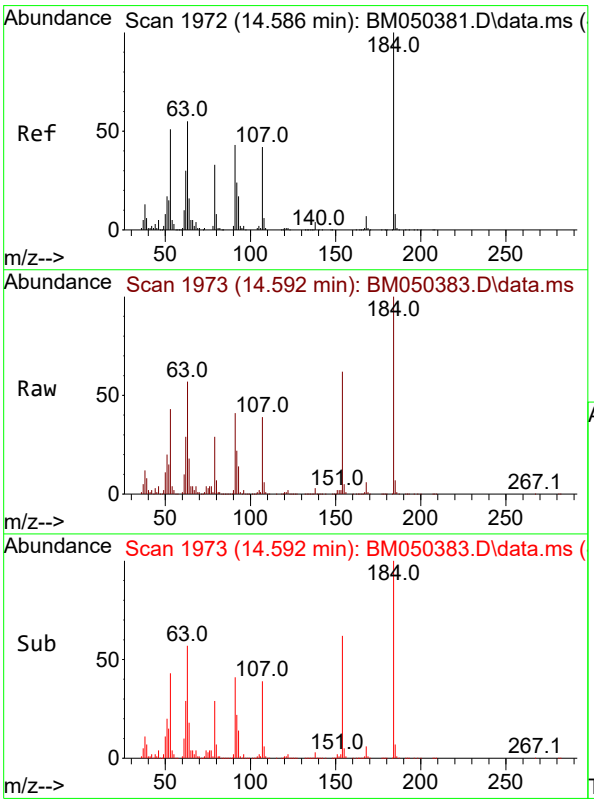

#53
3-Nitroaniline
Concen: 68.179 ng
RT: 14.386 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:138 Resp: 957239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.5 | 8.8 | 13.2 |
| 92 | 108.2 | 85.0 | 127.6 |

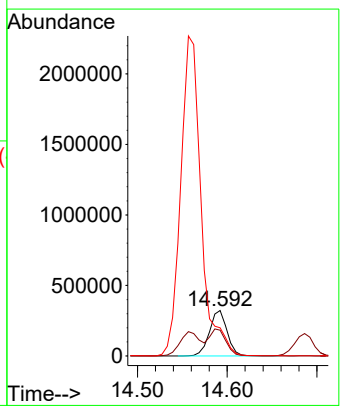


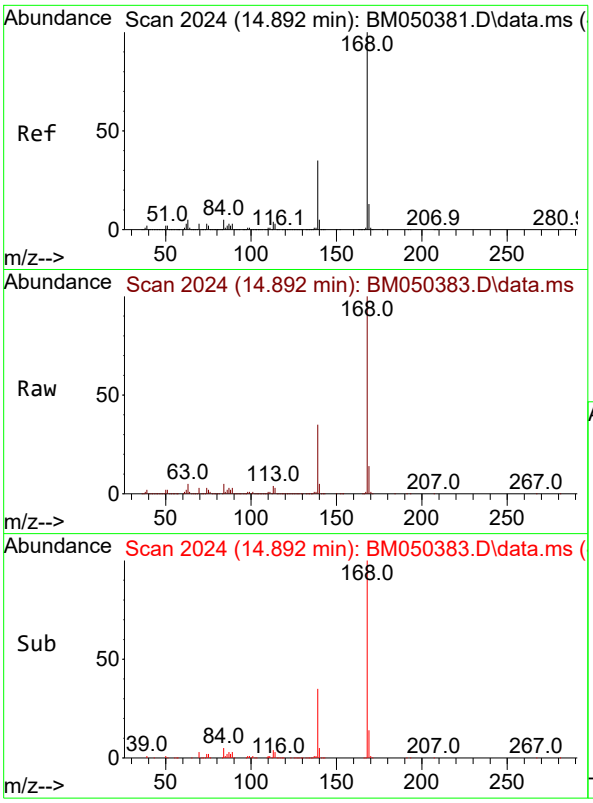




#54
2,4-Dinitrophenol
Concen: 61.898 ng
RT: 14.592 min Scan# 1973
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:184 Resp: 439445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 56.9 | 53.4 | 80.0 |
| 154 | 62.1 | 61.6 | 92.4 |



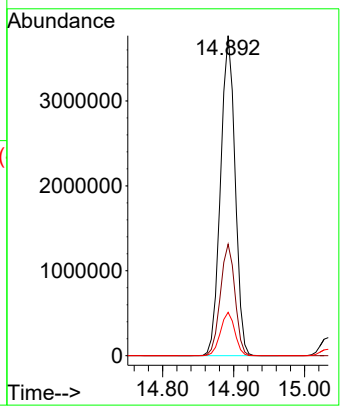


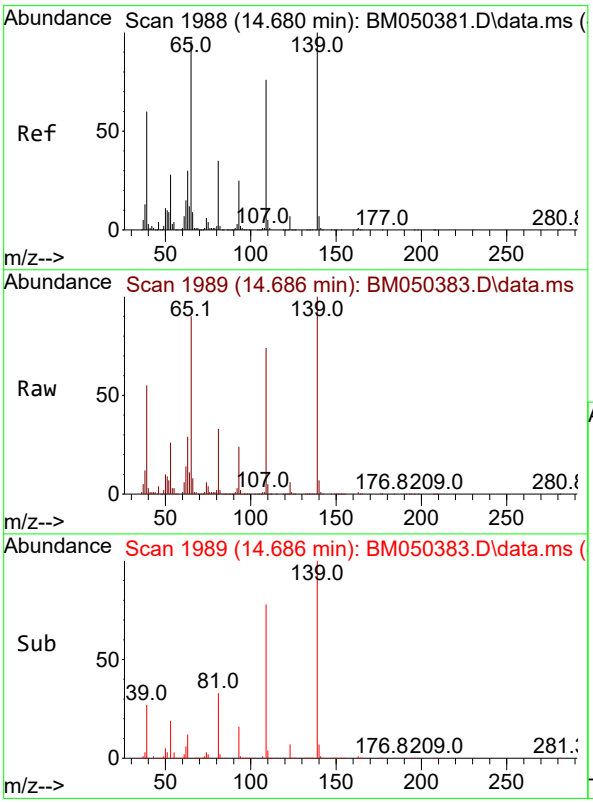

#55
Dibenzofuran
Concen: 61.102 ng
RT: 14.892 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:168 Resp: 5344109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 34.8 | 27.7 | 41.5 |
| 169 | 13.5 | 10.7 | 16.1 |

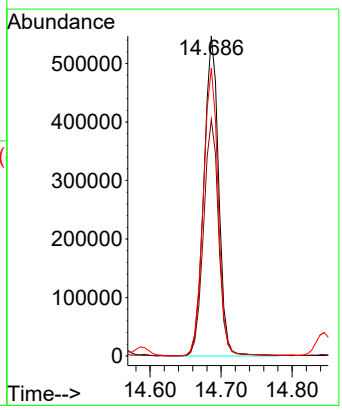


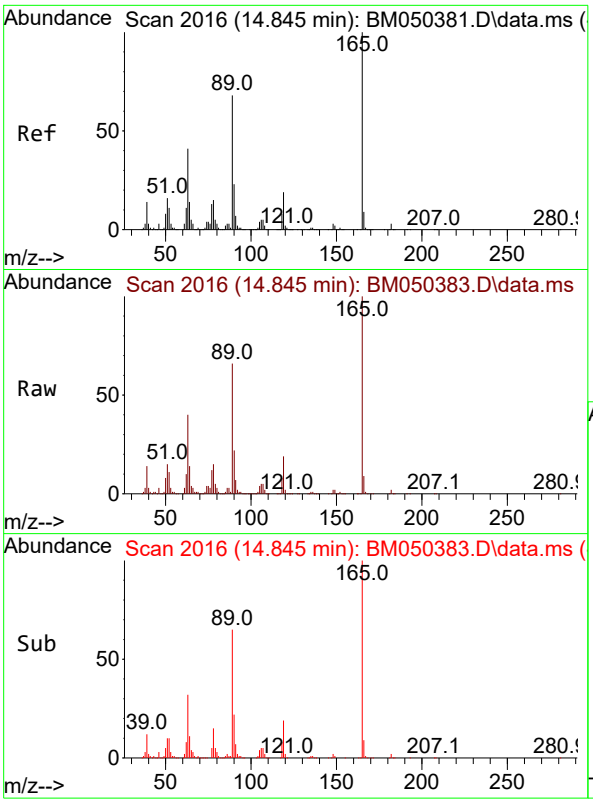




#56
4-Nitrophenol
Concen: 65.804 ng
RT: 14.686 min Scan# 1989
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:139 Resp: 794516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 73.8 | 56.5 | 96.5 |
| 65 | 89.9 | 76.4 | 116.4 |



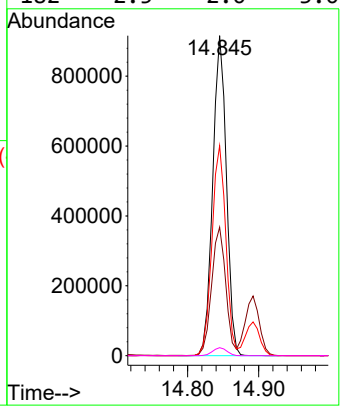


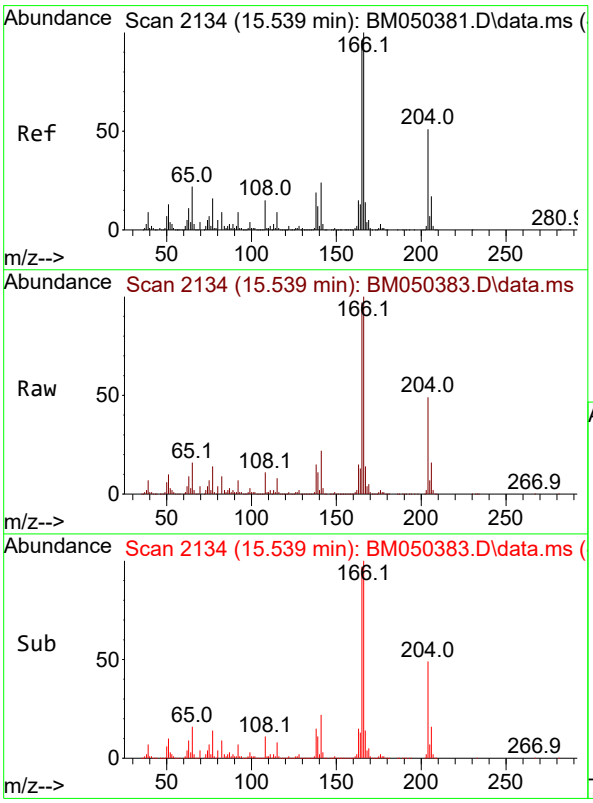

#57
2,4-Dinitrotoluene
Concen: 60.887 ng
RT: 14.845 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:165 Resp: 1218665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 40.2 | 32.5 | 48.7 |
| 89 | 65.6 | 54.0 | 81.0 |
| 182 | 2.5 | 2.0 | 3.0 |

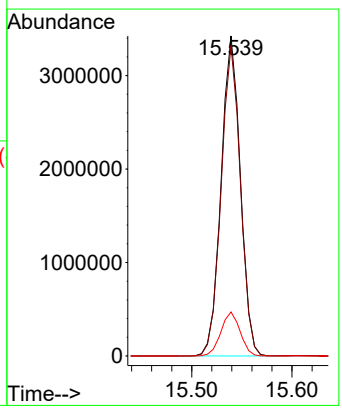


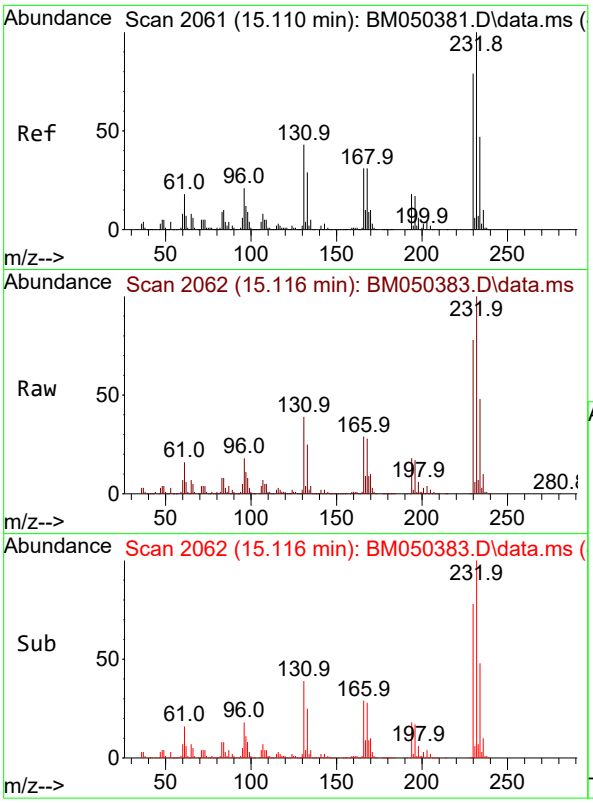




#58
Fluorene
Concen: 63.309 ng
RT: 15.539 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:166 Resp: 4560797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.9 | 77.0 | 115.6 |
| 167 | 13.8 | 10.9 | 16.3 |



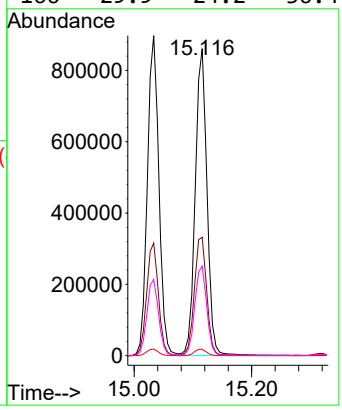


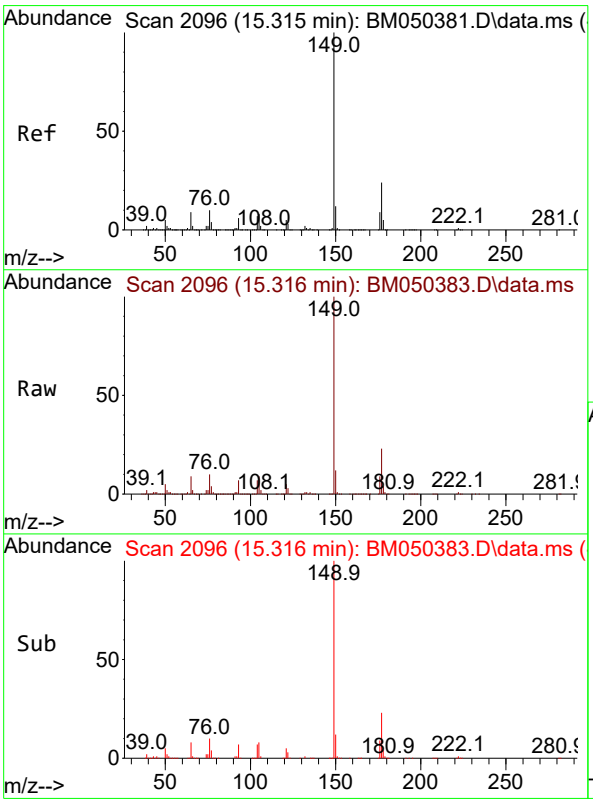

#59
2,3,4,6-Tetrachlorophenol
Concen: 66.202 ng
RT: 15.116 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:232 Resp: 1189838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 40.7 | 33.4 | 50.0 |
| 130 | 2.2 | 1.8 | 2.6 |
| 166 | 29.9 | 24.2 | 36.4 |

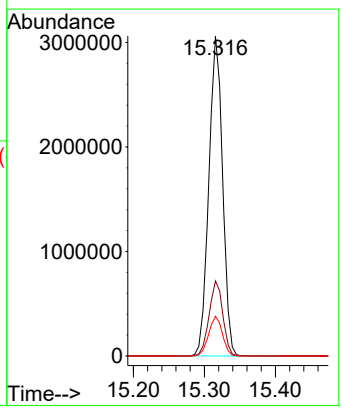


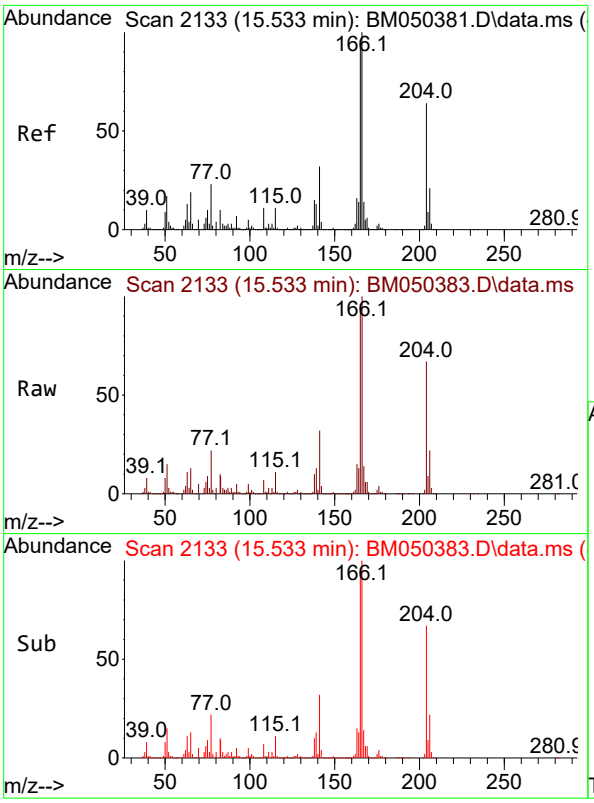




#60
Diethylphthalate
Concen: 62.882 ng
RT: 15.316 min Scan# 2096
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:149 Resp: 4130183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.5 | 18.8 | 28.2 |
| 150 | 12.4 | 9.8 | 14.8 |



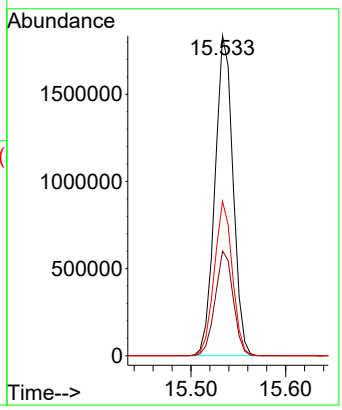


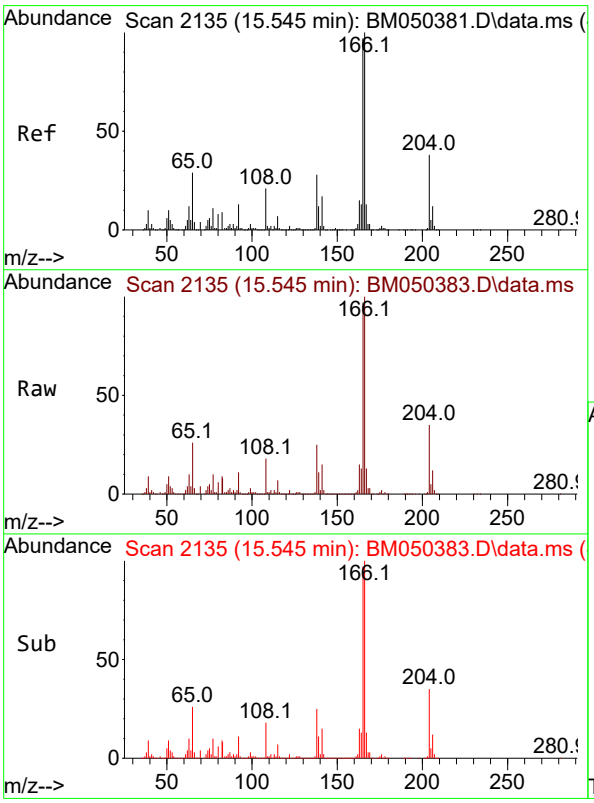

#61
4-Chlorophenyl-phenylether
Concen: 64.533 ng
RT: 15.533 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:204 Resp: 2430909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.7 | 26.6 | 39.8 |
| 141 | 48.2 | 39.9 | 59.9 |

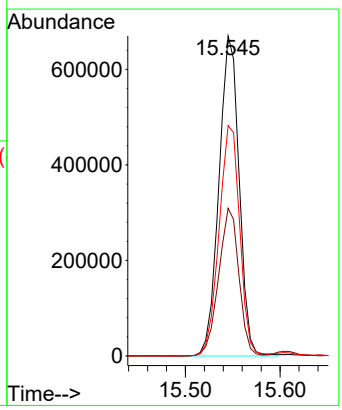


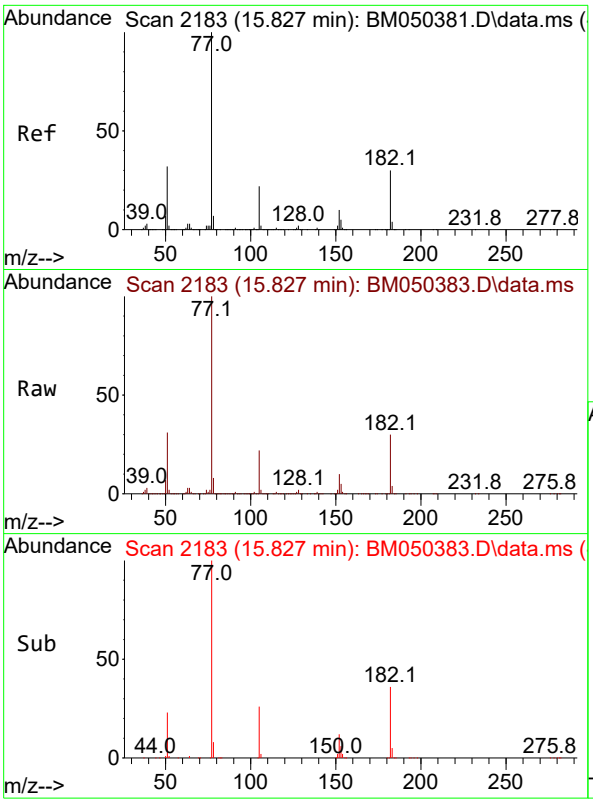




#62
4-Nitroaniline
Concen: 60.686 ng
RT: 15.545 min Scan# 2135
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:138 Resp: 991212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 46.2 | 24.5 | 64.5 |
| 108 | 72.0 | 52.5 | 92.5 |



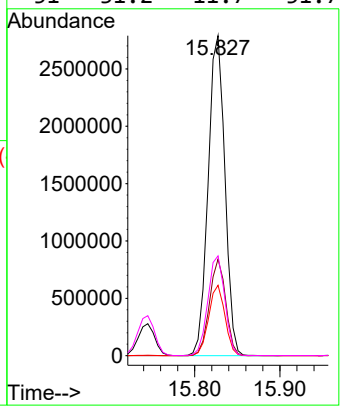


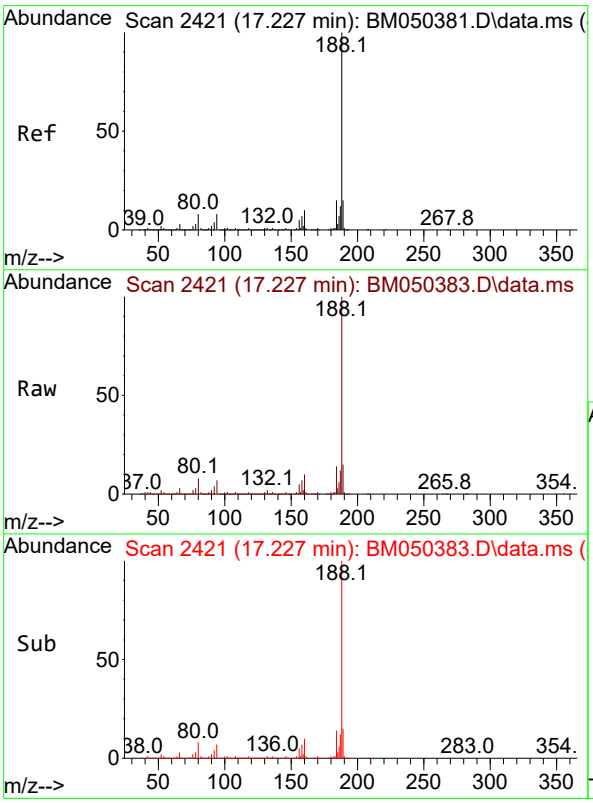

#63
Azobenzene
Concen: 63.206 ng
RT: 15.827 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion: 77 Resp: 3812033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 30.1 | 10.0 | 50.0 |
| 105 | 22.0 | 2.0 | 42.0 |
| 51 | 31.2 | 11.7 | 51.7 |

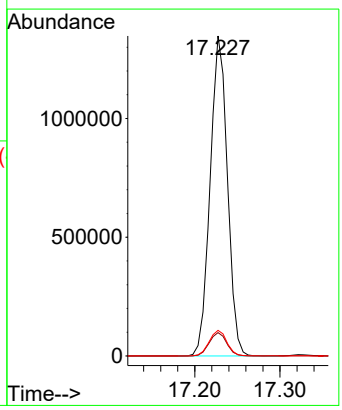


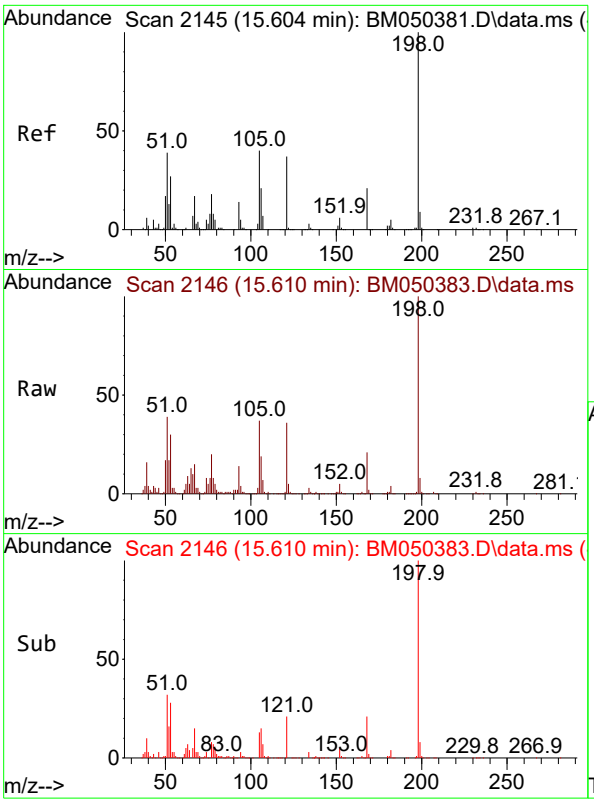




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:188 Resp: 1896999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.3 | 6.0 | 9.0 |
| 80 | 8.0 | 6.5 | 9.7 |



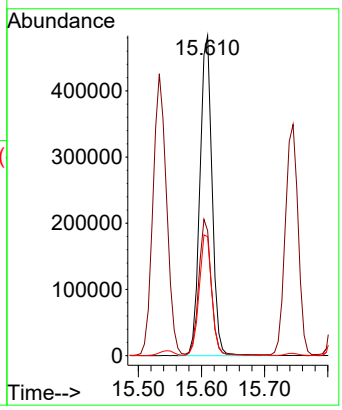


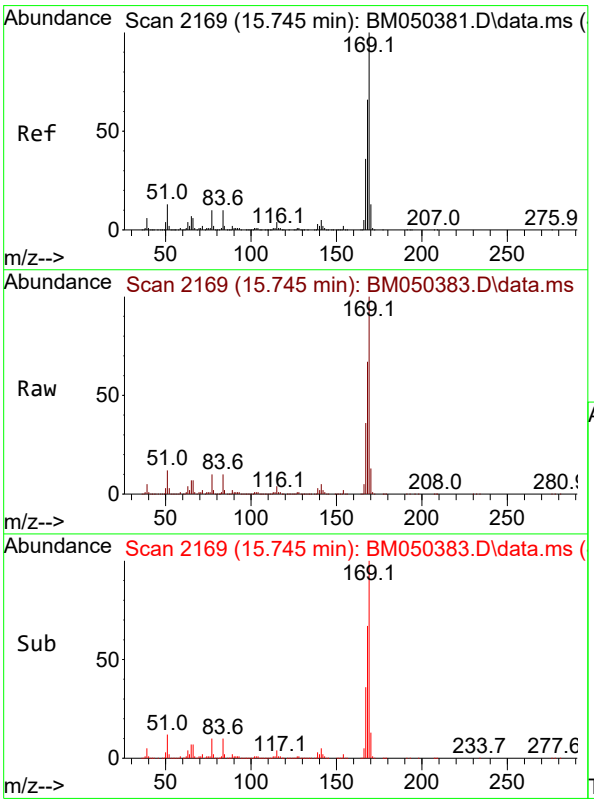

#65
4,6-Dinitro-2-methylphenol
Concen: 61.235 ng
RT: 15.610 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:198 Resp: 645034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 39.1 | 26.6 | 66.6 |
| 105 | 37.2 | 20.9 | 60.9 |

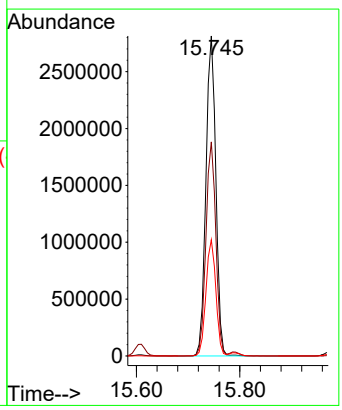


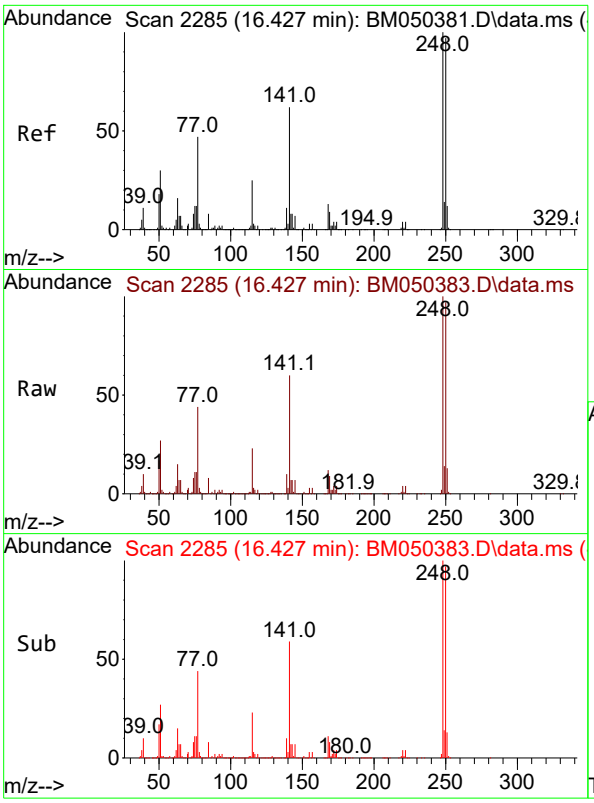




#66
n-Nitrosodiphenylamine
Concen: 63.087 ng
RT: 15.745 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:169 Resp: 3744872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.9 | 53.2 | 79.8 |
| 167 | 36.3 | 28.7 | 43.1 |



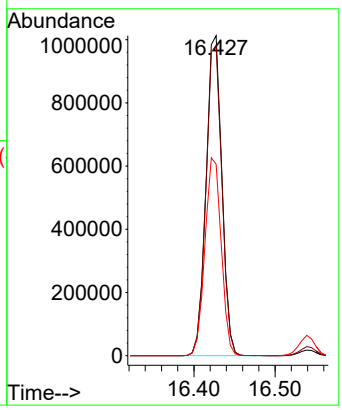


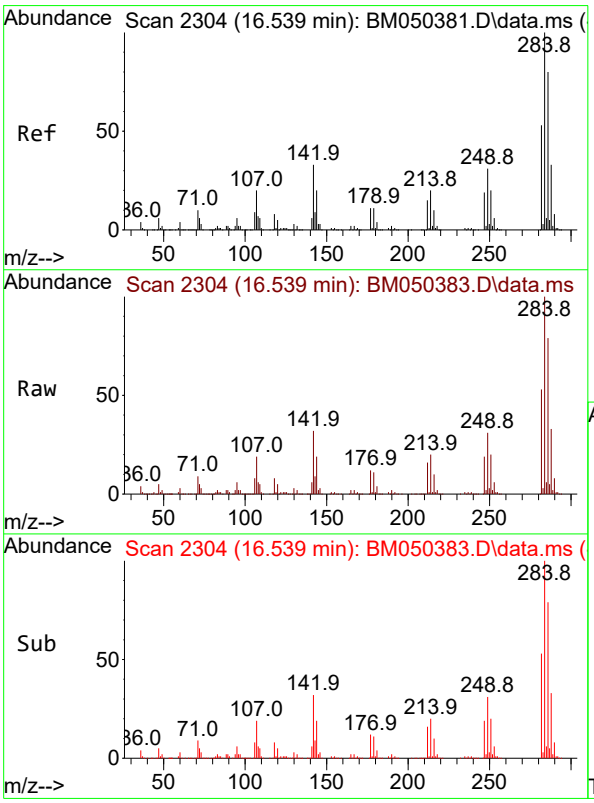

#67
4-Bromophenyl-phenylether
Concen: 65.485 ng
RT: 16.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:248 Resp: 1368680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.0 | 77.9 | 116.9 |
| 141 | 59.8 | 49.7 | 74.5 |

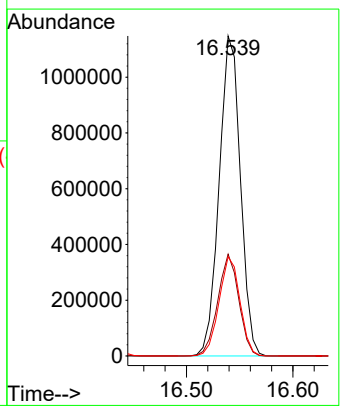


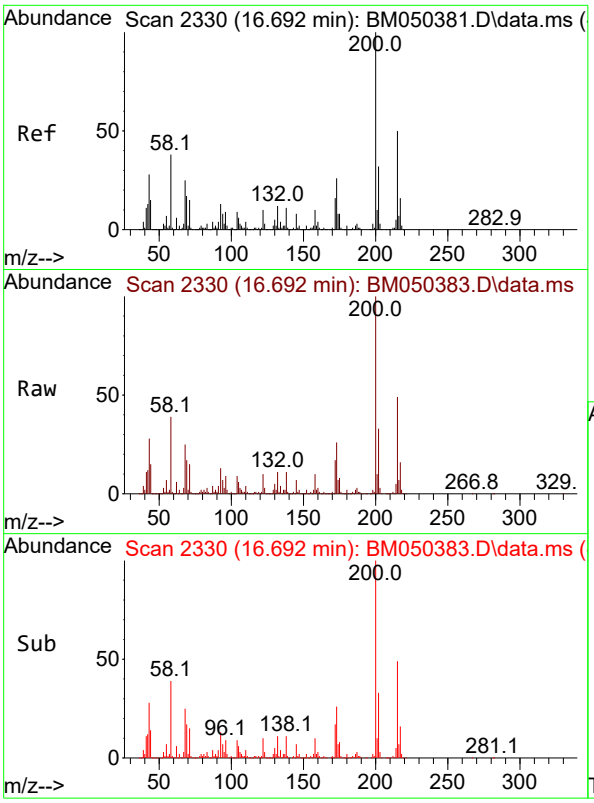




#68
Hexachlorobenzene
Concen: 64.288 ng
RT: 16.539 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:284 Resp: 1586965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.8 | 26.8 | 40.2 |
| 249 | 31.0 | 24.5 | 36.7 |



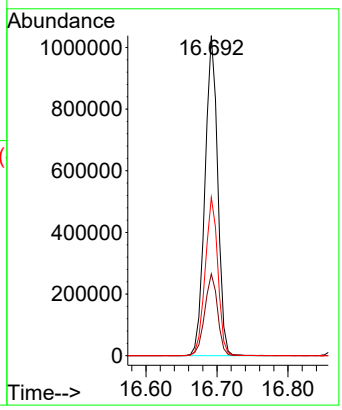


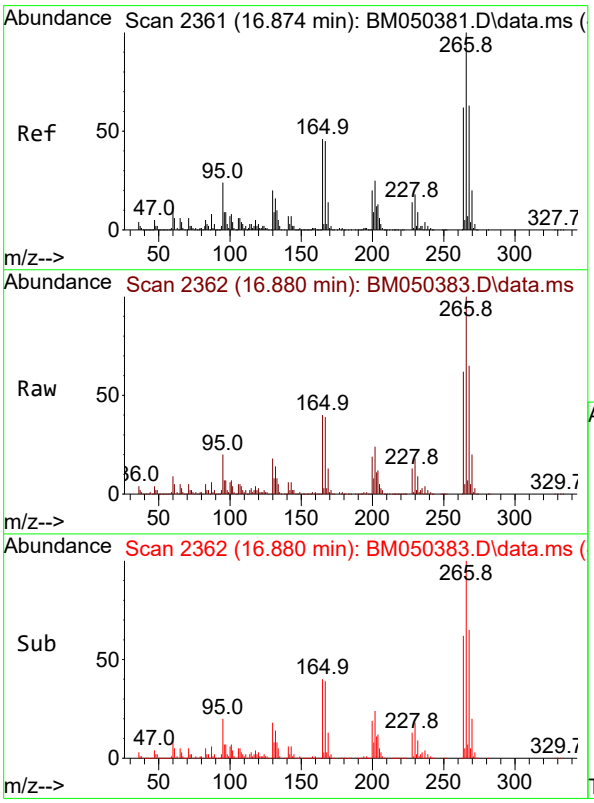

#69
Atrazine
Concen: 66.510 ng
RT: 16.692 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:200 Resp: 1296405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.5 | 5.6 | 45.6 |
| 215 | 49.5 | 29.6 | 69.6 |

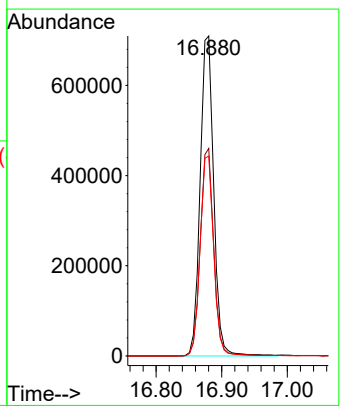


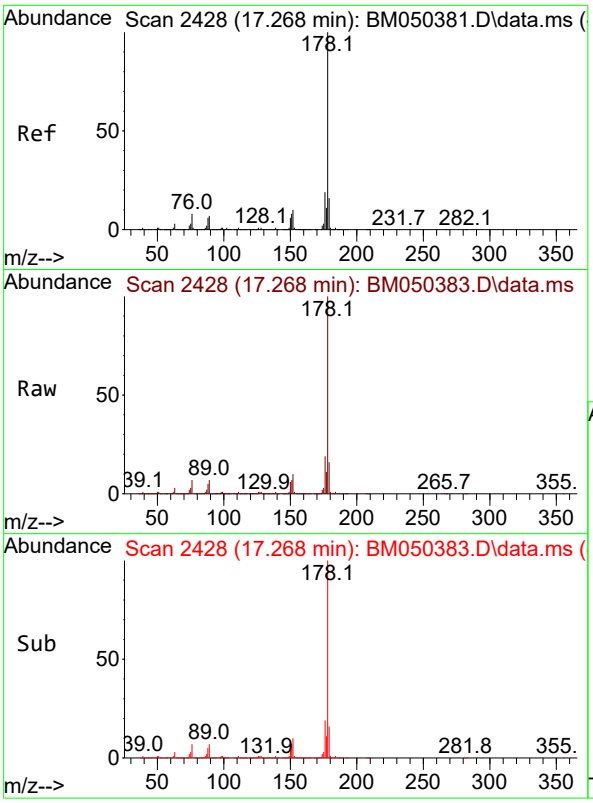




#70
Pentachlorophenol
Concen: 66.535 ng
RT: 16.880 min Scan# 2362
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:266 Resp: 1022433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.9 | 50.5 | 75.7 |
| 264 | 62.5 | 49.9 | 74.9 |



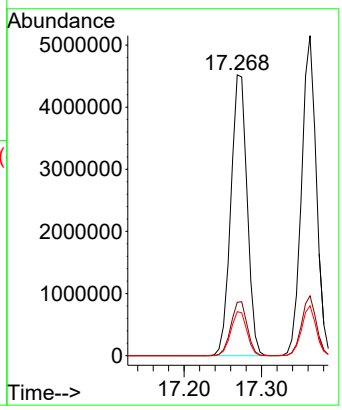


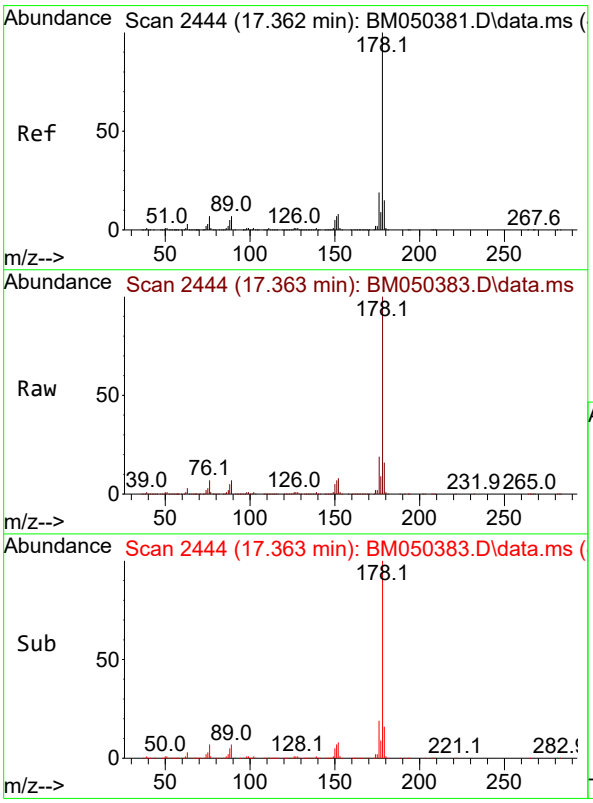

#71
Phenanthrene
Concen: 61.658 ng
RT: 17.268 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:178 Resp: 6618592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.4 | 23.0 |
| 179 | 15.7 | 12.5 | 18.7 |

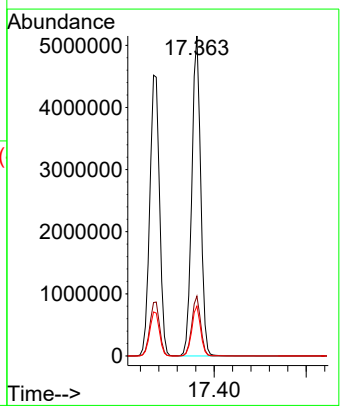


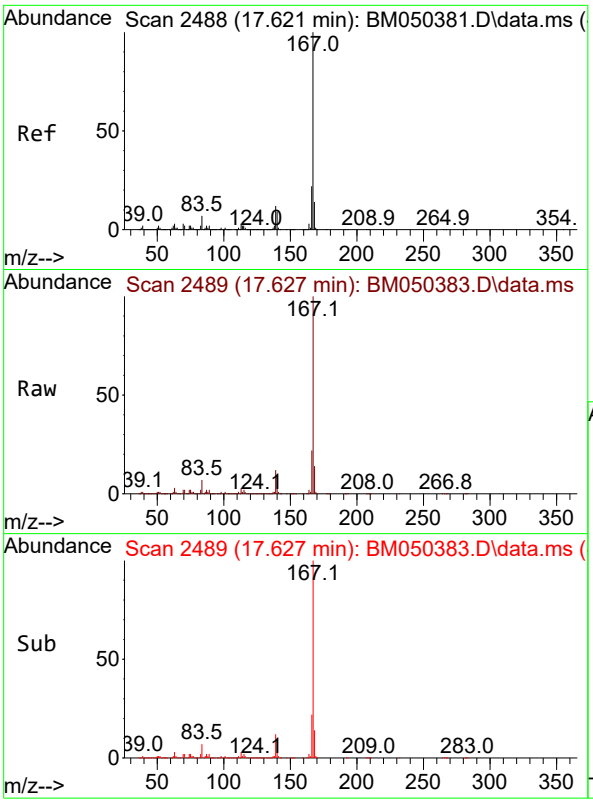




#72
Anthracene
Concen: 64.102 ng
RT: 17.363 min Scan# 2444
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:178 Resp: 6849285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 14.9 | 22.3 |
| 179 | 15.6 | 12.2 | 18.4 |



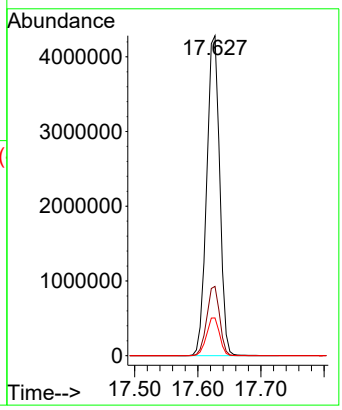


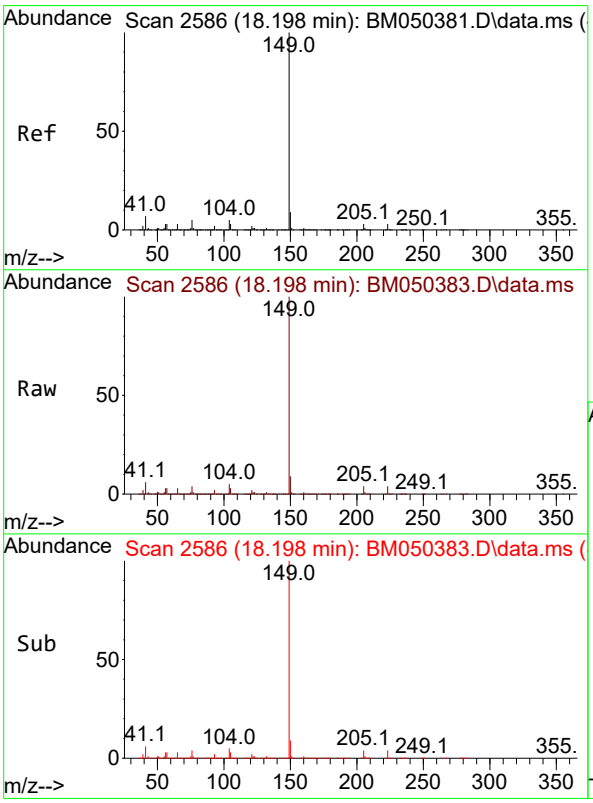

#73
Carbazole
Concen: 63.161 ng
RT: 17.627 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:167 Resp: 6106388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.2 | 25.8 |
| 139 | 11.8 | 9.9 | 14.9 |

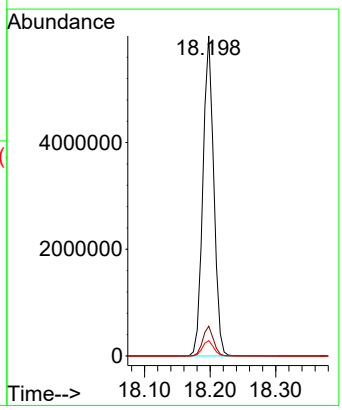


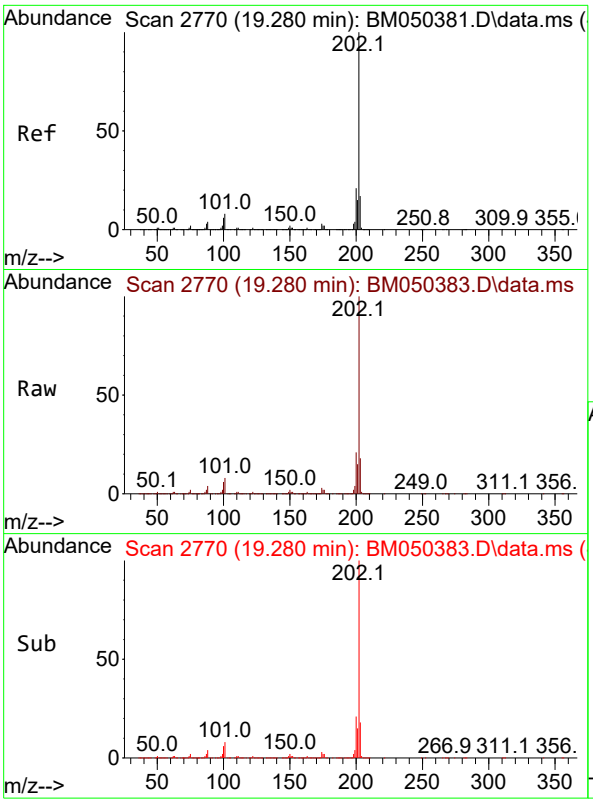




#74
Di-n-butylphthalate
Concen: 65.398 ng
RT: 18.198 min Scan# 2586
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:149 Resp: 6920453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.3 | 10.9 |
| 104 | 4.8 | 3.9 | 5.9 |



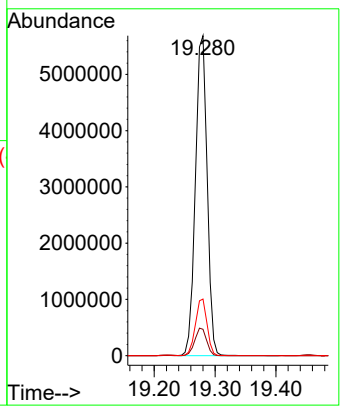


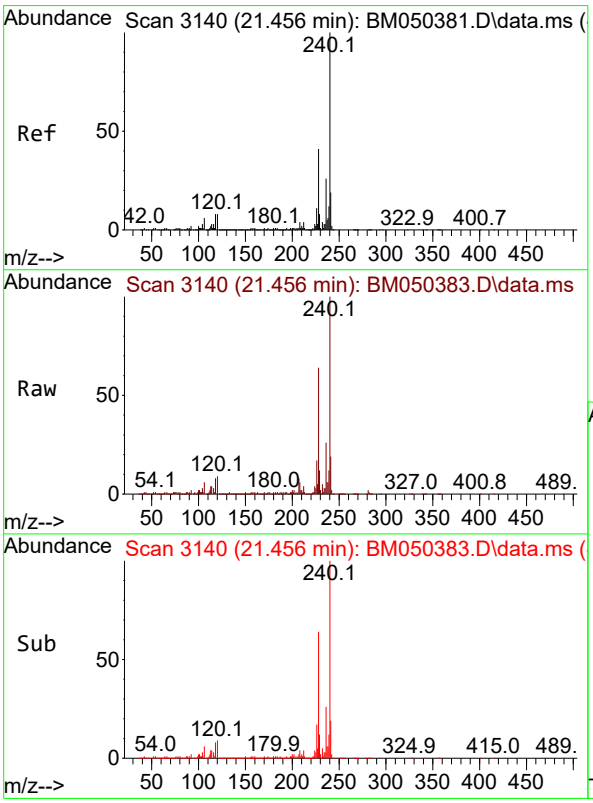

#75
Fluoranthene
Concen: 65.290 ng
RT: 19.280 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:202 Resp: 7618952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.3 | 0.0 | 28.3 |
| 203 | 17.7 | 0.0 | 37.2 |

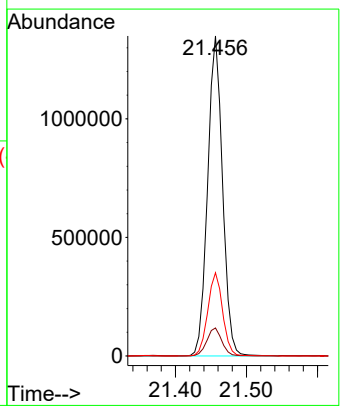


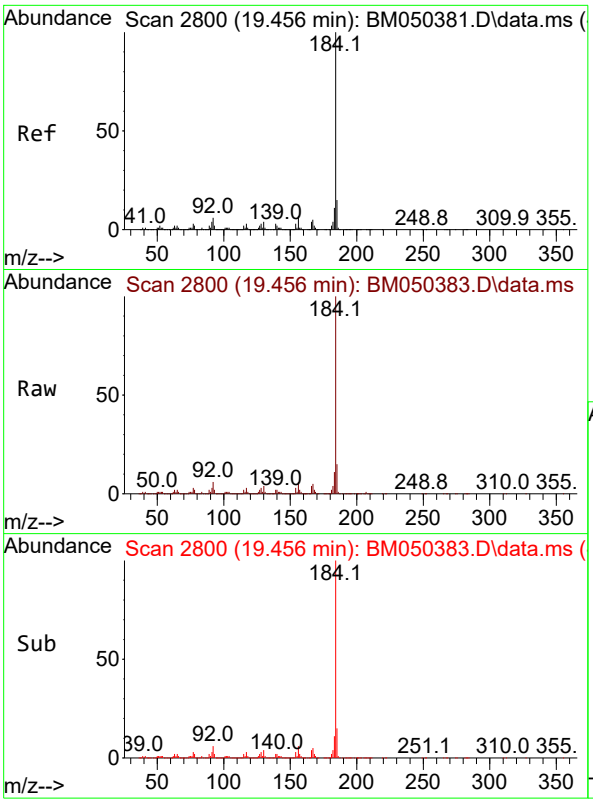




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:240 Resp: 1968054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.8 | 6.7 | 10.1 |
| 236 | 26.0 | 20.7 | 31.1 |



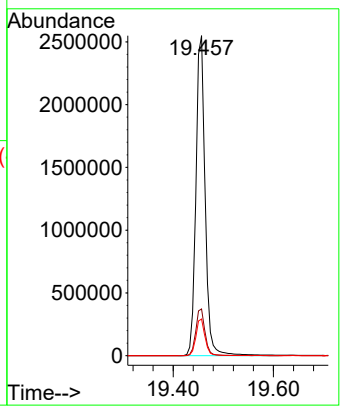


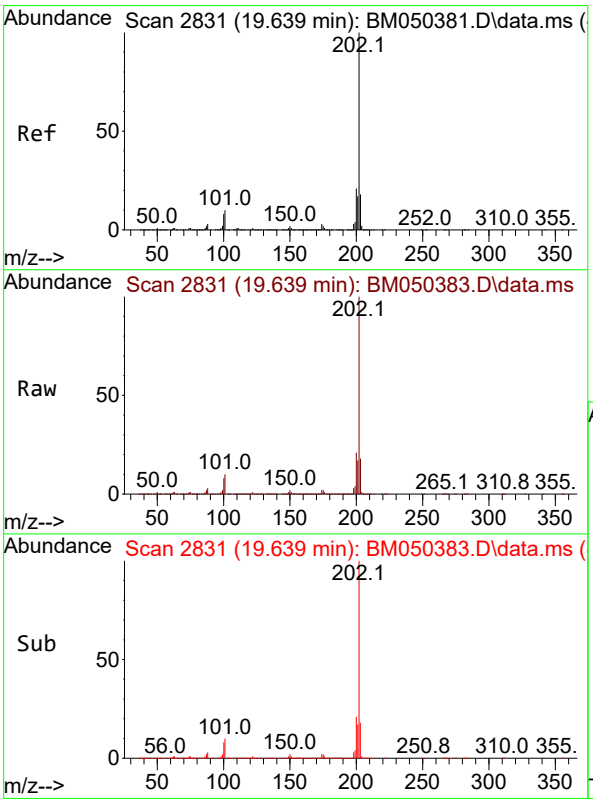

#77
Benzidine
Concen: 64.872 ng
RT: 19.456 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:184 Resp: 3256422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.6 | 11.7 | 17.5 |
| 183 | 11.5 | 9.0 | 13.6 |

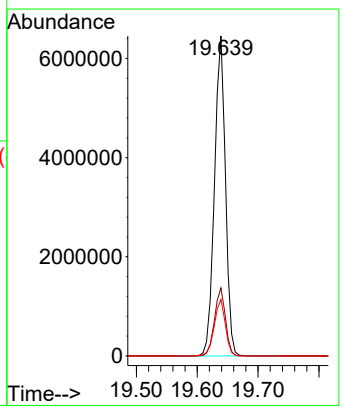


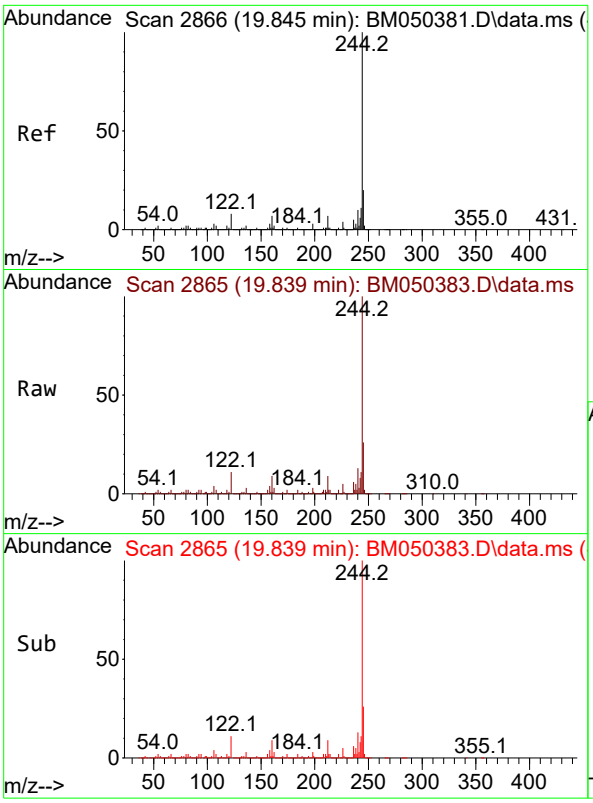




#78
Pyrene
Concen: 64.009 ng
RT: 19.639 min Scan# 2831
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:202 Resp: 8067941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 16.9 | 25.3 |
| 203 | 17.7 | 14.1 | 21.1 |



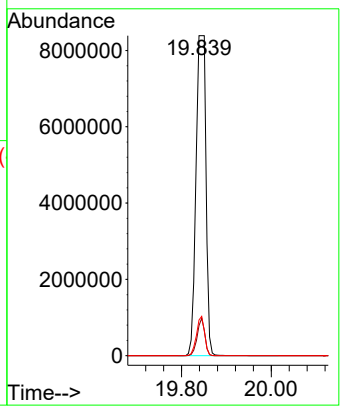


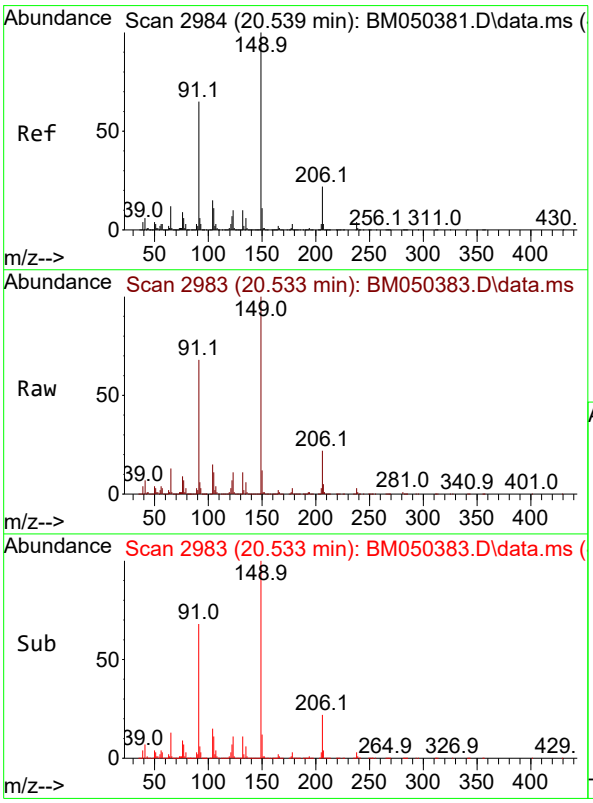

#79
Terphenyl-d14
Concen: 115.460 ng
RT: 19.839 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:244 Resp:12914894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.4 | 5.7 | 8.5# |
| 122 | 11.2 | 6.2 | 9.2# |

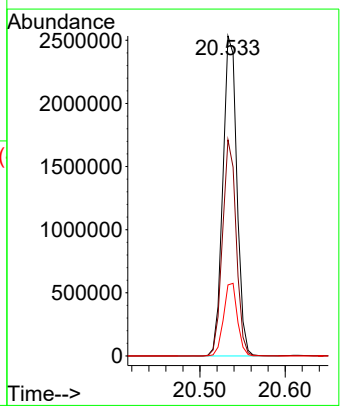


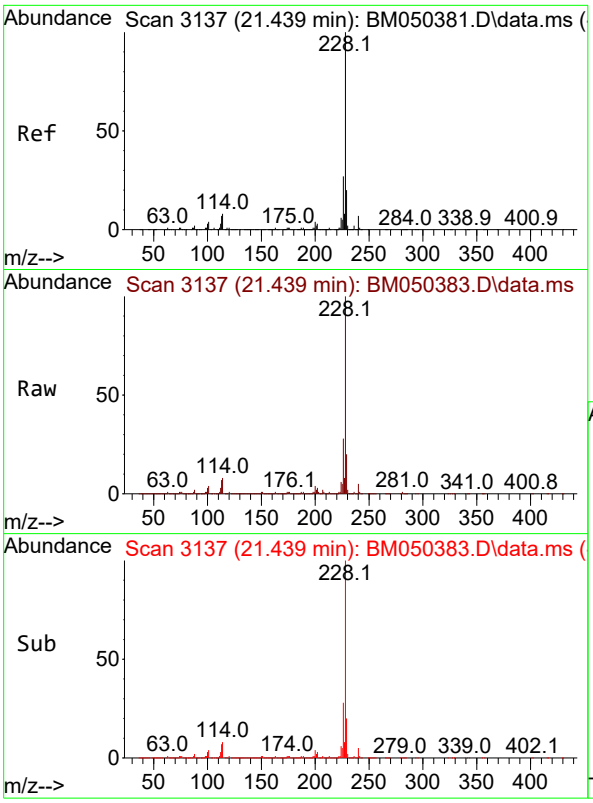




#80
Butylbenzylphthalate
Concen: 69.782 ng
RT: 20.533 min Scan# 2983
Delta R.T. -0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:149 Resp: 2900200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 67.6 | 51.6 | 77.4 |
| 206 | 22.2 | 17.8 | 26.8 |



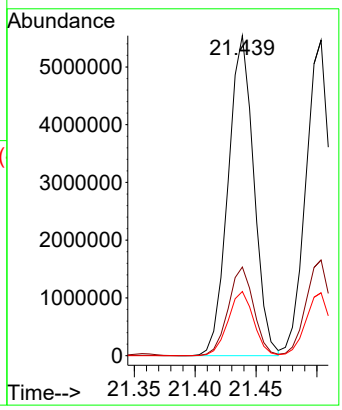


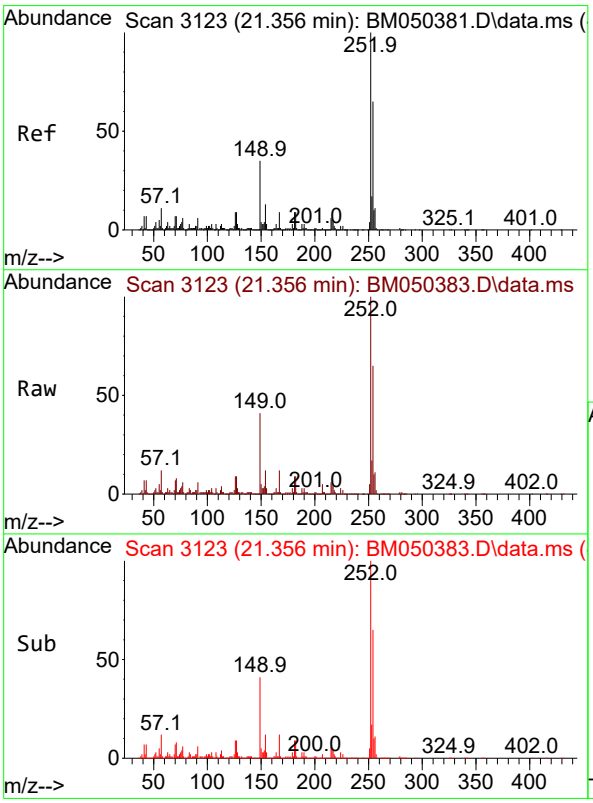

#81
Benzo(a)anthracene
Concen: 63.495 ng
RT: 21.439 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:228 Resp: 8142088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.7 | 21.8 | 32.8 |
| 229 | 20.1 | 16.0 | 24.0 |

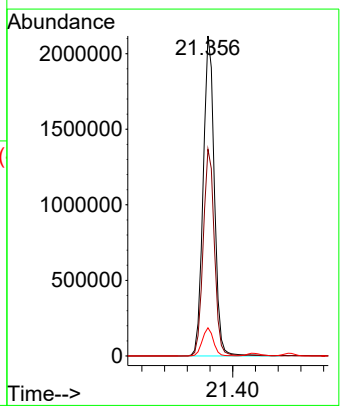


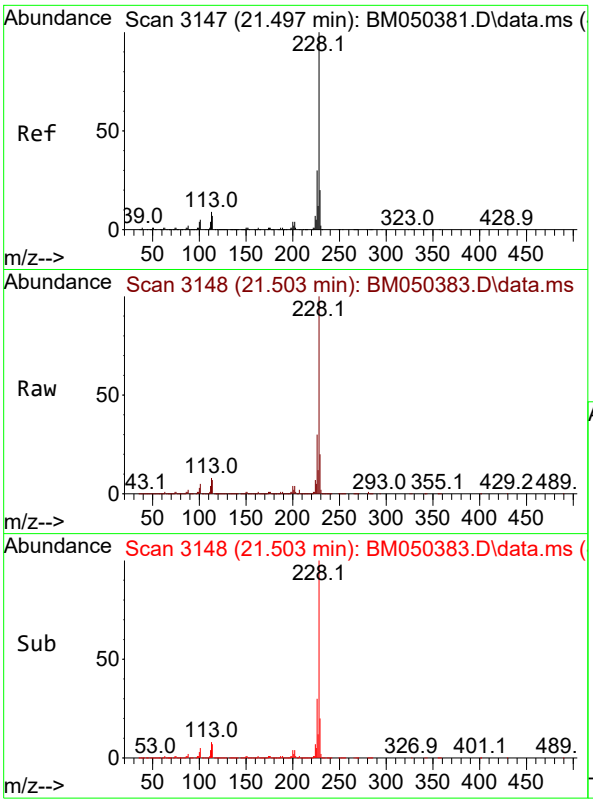




#82
3,3'-Dichlorobenzidine
Concen: 66.553 ng
RT: 21.356 min Scan# 3123
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:252 Resp: 2878037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.6 | 51.7 | 77.5 |
| 126 | 8.8 | 7.3 | 10.9 |



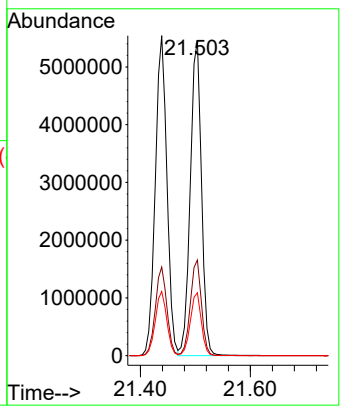


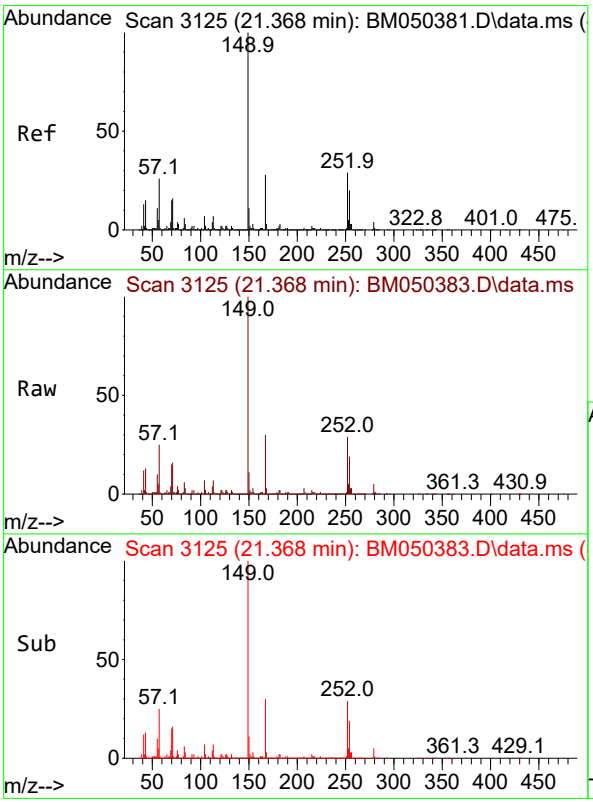

#83
Chrysene
Concen: 63.587 ng
RT: 21.503 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:228 Resp: 7690956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.2 | 36.4 |
| 229 | 19.9 | 15.8 | 23.6 |

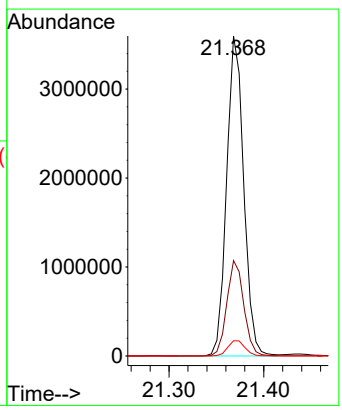


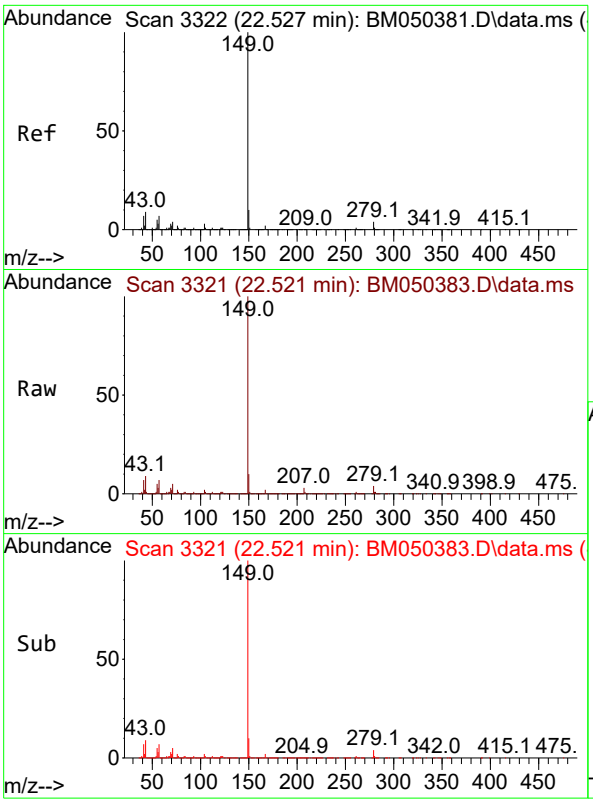




#84
Bis(2-ethylhexyl)phthalate
Concen: 68.268 ng
RT: 21.368 min Scan# 3125
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:149 Resp: 4504059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 29.8 | 22.7 | 34.1 |
| 279 | 4.7 | 3.5 | 5.3 |



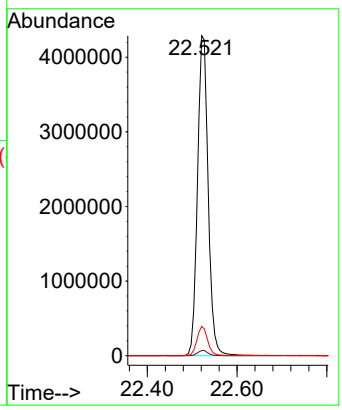


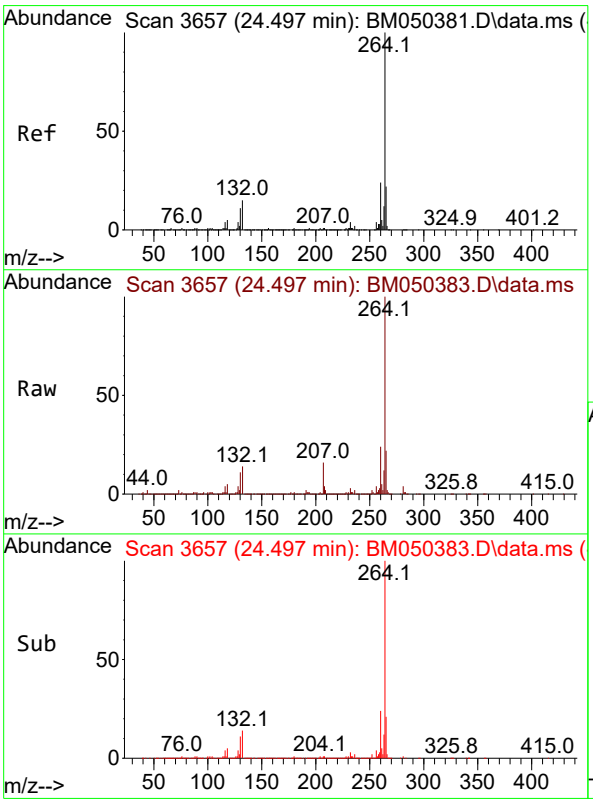

#85
Di-n-octyl phthalate
Concen: 68.206 ng
RT: 22.521 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:149 Resp: 7047940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.1 | 7.7 | 11.5 |

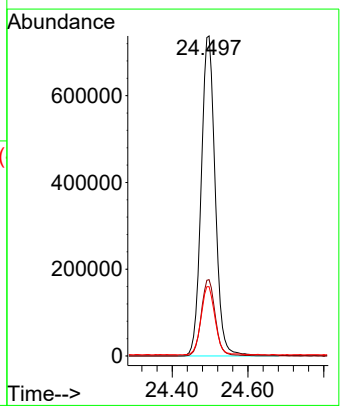


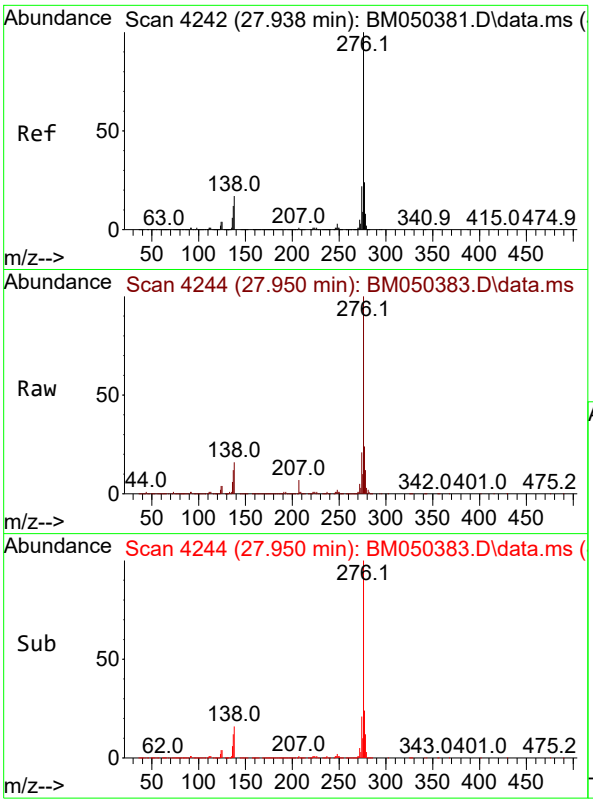




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.497 min Scan# 3657
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:264 Resp: 1889317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 19.2 | 28.8 |
| 265 | 21.6 | 17.8 | 26.6 |



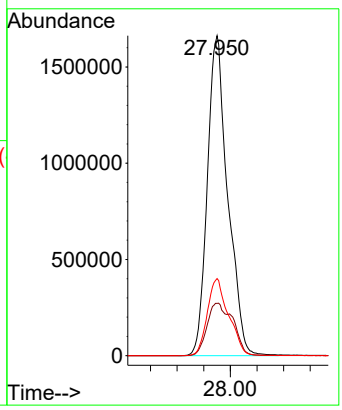


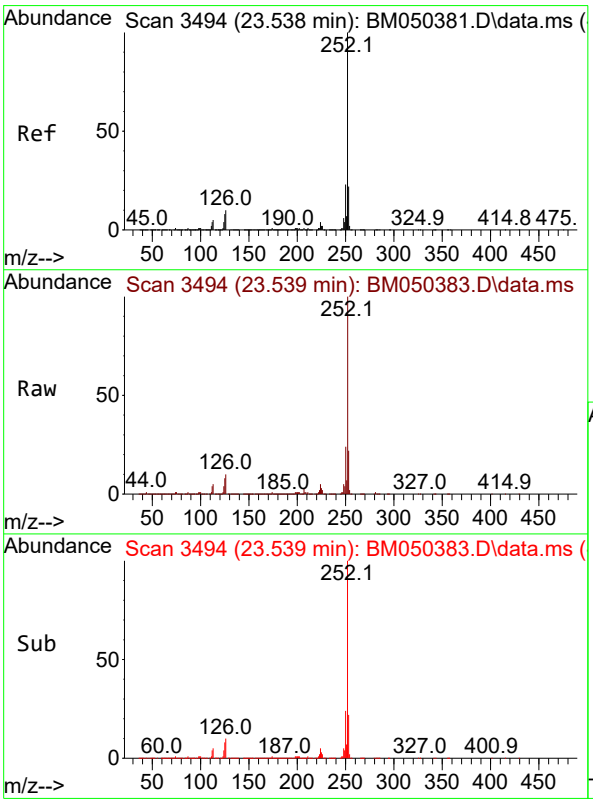

#87
Indeno(1,2,3-cd)pyrene
Concen: 66.007 ng
RT: 27.950 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:276 Resp: 8866549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.9 | 17.0 | 25.6 |
| 277 | 25.2 | 20.0 | 30.0 |

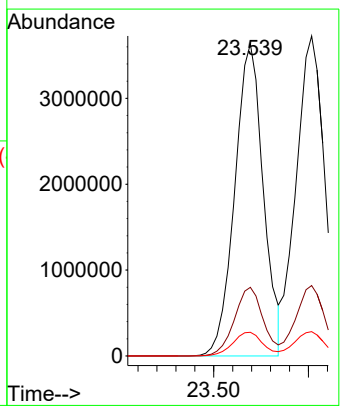


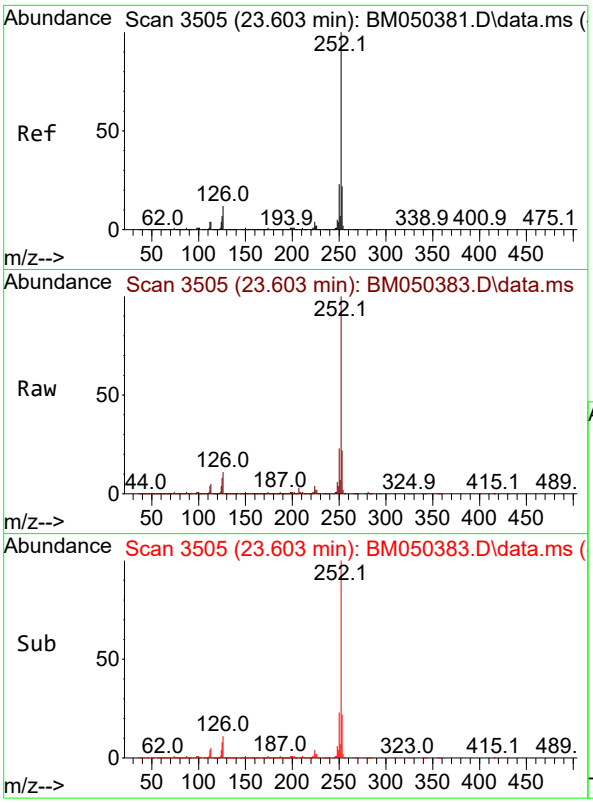




#88
Benzo(b)fluoranthene
Concen: 65.548 ng
RT: 23.539 min Scan# 3494
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:252 Resp: 7617485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.8 | 26.6 |
| 125 | 7.6 | 6.3 | 9.5 |



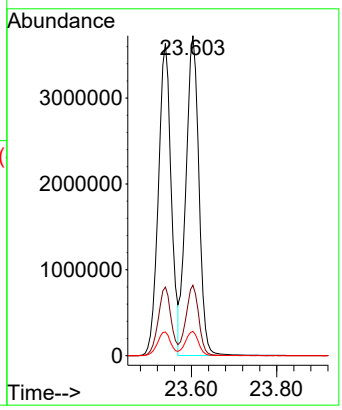


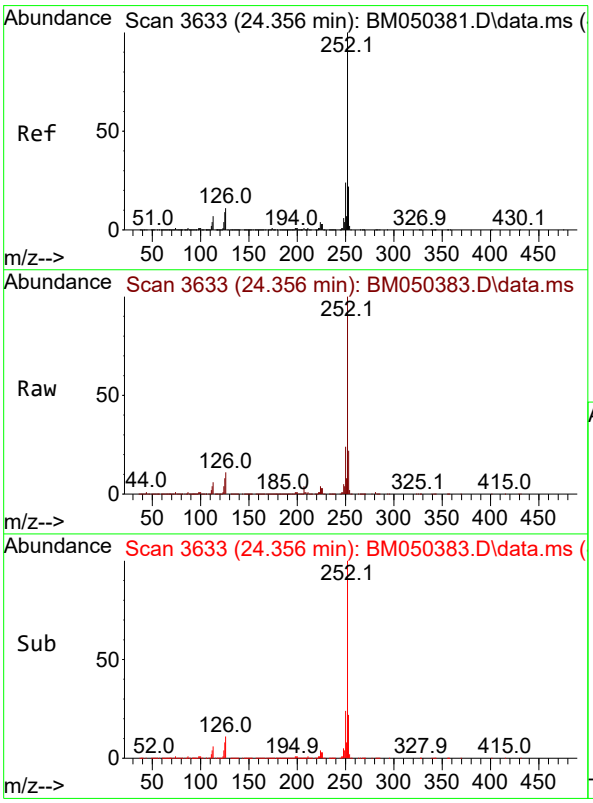

#89
Benzo(k)fluoranthene
Concen: 65.192 ng
RT: 23.603 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:252 Resp: 7861158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.6 | 26.4 |
| 125 | 7.6 | 6.2 | 9.2 |

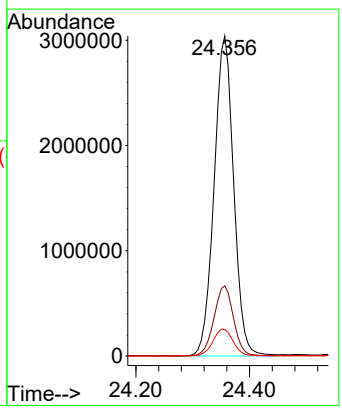


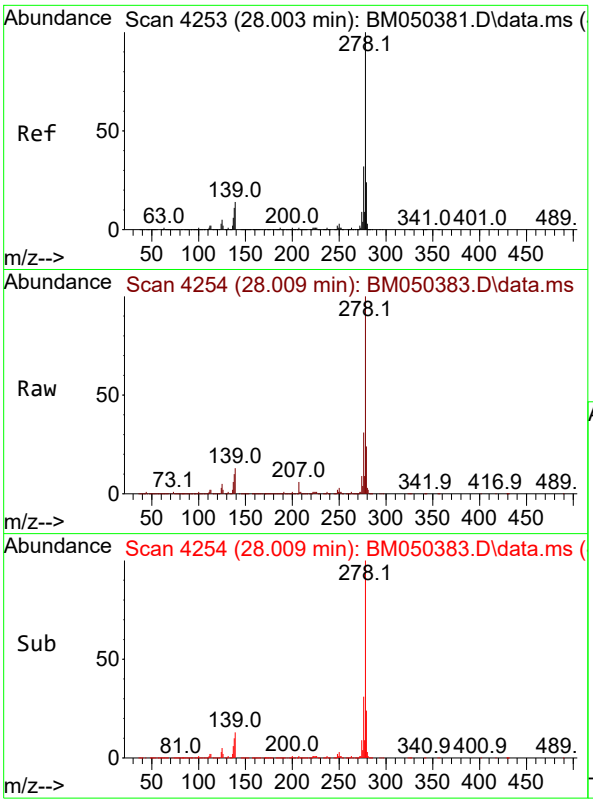




#90
Benzo(a)pyrene
Concen: 66.744 ng
RT: 24.356 min Scan# 3633
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:252 Resp: 7260855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.8 | 26.6 |
| 125 | 8.2 | 7.0 | 10.4 |



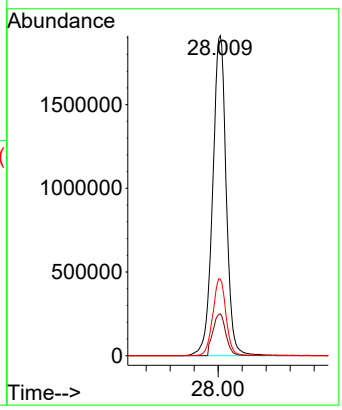


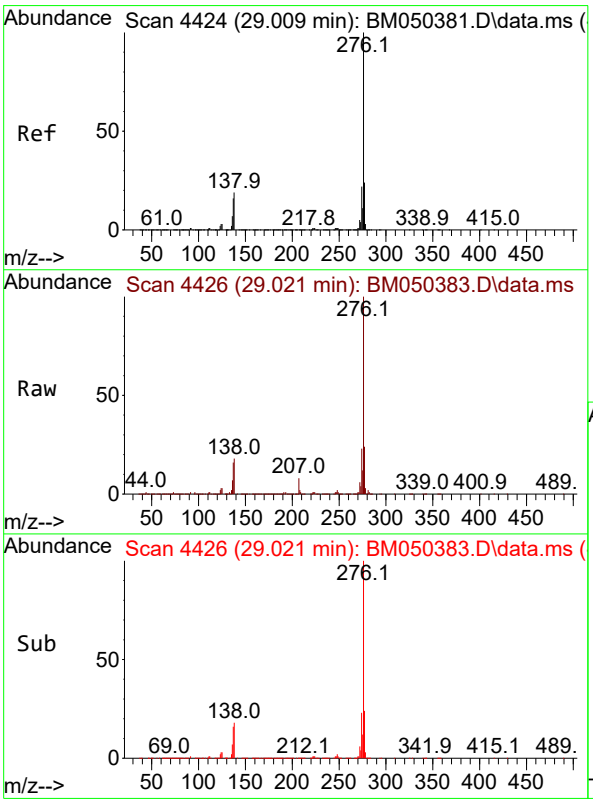

#91
Dibenzo(a,h)anthracene
Concen: 66.155 ng
RT: 28.009 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:278 Resp: 7483970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.1 | 10.8 | 16.2 |
| 279 | 23.9 | 19.4 | 29.0 |

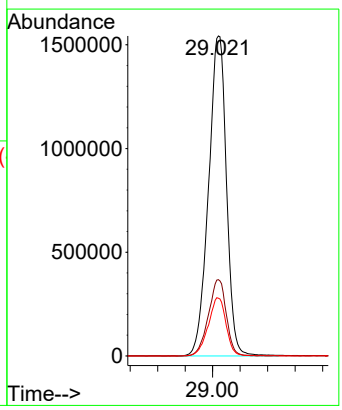



#92
Benzo(g,h,i)perylene
Concen: 65.319 ng
RT: 29.021 min Scan# 4426
Delta R.T. 0.012 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:276 Resp: 6983867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 19.1 | 28.7 |
| 138 | 18.1 | 14.9 | 22.3 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050384.D
Acq On : 08 Jul 2025 17:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Quant Time: Jul 08 18:24:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.869 | 152 | 429681 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.663 | 136 | 1643859 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.498 | 164 | 1043719 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.227 | 188 | 1944455 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.457 | 240 | 2055292 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.498 | 264 | 1953481 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.440 | 112 | 4014825 | 160.835 | ng | 0.00 |
| 7) Phenol-d6 | 7.028 | 99 | 5149049 | 163.630 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.028 | 82 | 5264647 | 163.391 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.980 | 330 | 2335664 | 184.182 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.122 | 172 | 13148691 | 155.576 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.839 | 244 | 14435460 | 123.577 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.334 | 88 | 785309 | 76.507 | ng | 99 |
| 3) Pyridine | 3.734 | 79 | 2123609 | 78.804 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.640 | 42 | 970223 | 77.228 | ng | 96 |
| 6) Aniline | 7.193 | 93 | 3301305 | 81.748 | ng | 99 |
| 8) 2-Chlorophenol | 7.428 | 128 | 2162654 | 82.163 | ng | 99 |
| 10) Phenol | 7.052 | 94 | 2637766 | 80.368 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 7.287 | 93 | 2092911 | 79.625 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.757 | 146 | 2517372 | 78.654 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 7.904 | 146 | 2555213 | 78.187 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.222 | 146 | 2454039 | 78.434 | ng | 99 |
| 15) Benzyl Alcohol | 8.104 | 79 | 1807870 | 81.539 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.399 | 45 | 2991629 | 77.270 | ng | 99 |
| 17) 2-Methylphenol | 8.304 | 107 | 1732716 | 81.397 | ng | 99 |
| 18) Hexachloroethane | 8.951 | 117 | 932539 | 81.135 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.681 | 70 | 1587587 | 83.281 | ng | 95 |
| 20) 3+4-Methylphenols | 8.634 | 107 | 2300155 | 80.491 | ng | 100 |
| 22) Acetophenone | 8.687 | 105 | 3217324 | 78.279 | ng | 98 |
| 24) Nitrobenzene | 9.063 | 77 | 2296616 | 79.875 | ng | 100 |
| 25) Isophorone | 9.598 | 82 | 4289620 | 82.044 | ng | 100 |
| 26) 2-Nitrophenol | 9.775 | 139 | 1095059 | 93.448 | ng | 97 |
| 27) 2,4-Dimethylphenol | 9.834 | 122 | 2026460 | 81.267 | ng | 97 |
| 28) bis(2-Chloroethoxy)met... | 10.075 | 93 | 2760921 | 79.691 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.310 | 162 | 2134843 | 83.334 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.528 | 180 | 2483928 | 81.052 | ng | 99 |
| 31) Naphthalene | 10.716 | 128 | 6520664 | 78.095 | ng | 100 |
| 32) Benzoic acid | 9.993 | 122 | 1311597 | 81.001 | ng | 97 |
| 33) 4-Chloroaniline | 10.816 | 127 | 2873151 | 81.395 | ng | 99 |
| 34) Hexachlorobutadiene | 11.010 | 225 | 1546563 | 82.684 | ng | 100 |
| 35) Caprolactam | 11.604 | 113 | 594080 | 84.949 | ng | 93 |
| 36) 4-Chloro-3-methylphenol | 11.940 | 107 | 1983864 | 82.929 | ng | 100 |
| 37) 2-Methylnaphthalene | 12.322 | 142 | 4254768 | 80.705 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.545 | 142 | 4475032 | 80.207 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.692 | 216 | 2824950 | 85.112 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.681 | 237 | 1914528 | 90.239 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.928 | 196 | 1782842 | 87.263 | ng | 99 |
| 44) 2,4,5-Trichlorophenol | 12.998 | 196 | 1919360 | 86.021 | ng | 97 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050384.D
Acq On : 08 Jul 2025 17:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Quant Time: Jul 08 18:24:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 13.334 | 154 | 6141549 | 79.310 ng | | 100 |
| 47) 2-Chloronaphthalene | 13.375 | 162 | 4889665 | 79.196 ng | | 99 |
| 48) 2-Nitroaniline | 13.569 | 65 | 1233222 | 89.485 ng | | 96 |
| 49) Acenaphthylene | 14.222 | 152 | 7559726 | 81.019 ng | | 100 |
| 50) Dimethylphthalate | 13.957 | 163 | 5732691 | 79.779 ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.063 | 165 | 1207179 | 87.496 ng | | 99 |
| 52) Acenaphthene | 14.563 | 154 | 4833886 | 81.486 ng | | 99 |
| 53) 3-Nitroaniline | 14.392 | 138 | 1297724 | 88.444 ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.592 | 184 | 626569 | 82.116 ng | | 86 |
| 55) Dibenzofuran | 14.892 | 168 | 7143343 | 78.152 ng | | 99 |
| 56) 4-Nitrophenol | 14.692 | 139 | 1075848 | 85.262 ng | | 93 |
| 57) 2,4-Dinitrotoluene | 14.851 | 165 | 1674329 | 79.189 ng | | 94 |
| 58) Fluorene | 15.539 | 166 | 6138107 | 81.530 ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.116 | 232 | 1636646 | 87.136 ng | | 97 |
| 60) Diethylphthalate | 15.316 | 149 | 5511226 | 80.291 ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.533 | 204 | 3298863 | 83.798 ng | | 98 |
| 62) 4-Nitroaniline | 15.551 | 138 | 1336300 | 77.536 ng | | 97 |
| 63) Azobenzene | 15.828 | 77 | 5026045 | 79.741 ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.610 | 198 | 912781 | 82.140 ng | | 92 |
| 66) n-Nitrosodiphenylamine | 15.745 | 169 | 5086187 | 83.592 ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.427 | 248 | 1878071 | 87.664 ng | | 97 |
| 68) Hexachlorobenzene | 16.539 | 284 | 2164238 | 85.534 ng | | 97 |
| 69) Atrazine | 16.692 | 200 | 1767182 | 88.450 ng | | 99 |
| 70) Pentachlorophenol | 16.880 | 266 | 1425059 | 90.473 ng | | 99 |
| 71) Phenanthrene | 17.274 | 178 | 8893346 | 80.828 ng | | 99 |
| 72) Anthracene | 17.363 | 178 | 9167986 | 83.709 ng | | 99 |
| 73) Carbazole | 17.627 | 167 | 8180242 | 82.547 ng | | 99 |
| 74) Di-n-butylphthalate | 18.198 | 149 | 9300935 | 85.749 ng | | 99 |
| 75) Fluoranthene | 19.280 | 202 | 10317307 | 86.256 ng | | 99 |
| 77) Benzidine | 19.457 | 184 | 3817410 | 72.819 ng | | 100 |
| 78) Pyrene | 19.639 | 202 | 10818153 | 82.185 ng | | 99 |
| 80) Butylbenzylphthalate | 20.539 | 149 | 3938114 | 90.734 ng | | 97 |
| 81) Benzo(a)anthracene | 21.439 | 228 | 11055858 | 82.558 ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.362 | 252 | 3825108 | 84.699 ng | | 99 |
| 83) Chrysene | 21.504 | 228 | 10270454 | 81.310 ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.374 | 149 | 6100517 | 88.540 ng | # | 96 |
| 85) Di-n-octyl phthalate | 22.527 | 149 | 9722259 | 90.093 ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 27.956 | 276 | 12120915 | 87.270 ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.545 | 252 | 10371642 | 86.316 ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.609 | 252 | 10546917 | 84.592 ng | | 100 |
| 90) Benzo(a)pyrene | 24.362 | 252 | 9879526 | 87.833 ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 28.015 | 278 | 10165335 | 86.905 ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.027 | 276 | 9504954 | 85.979 ng | | 99 |

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

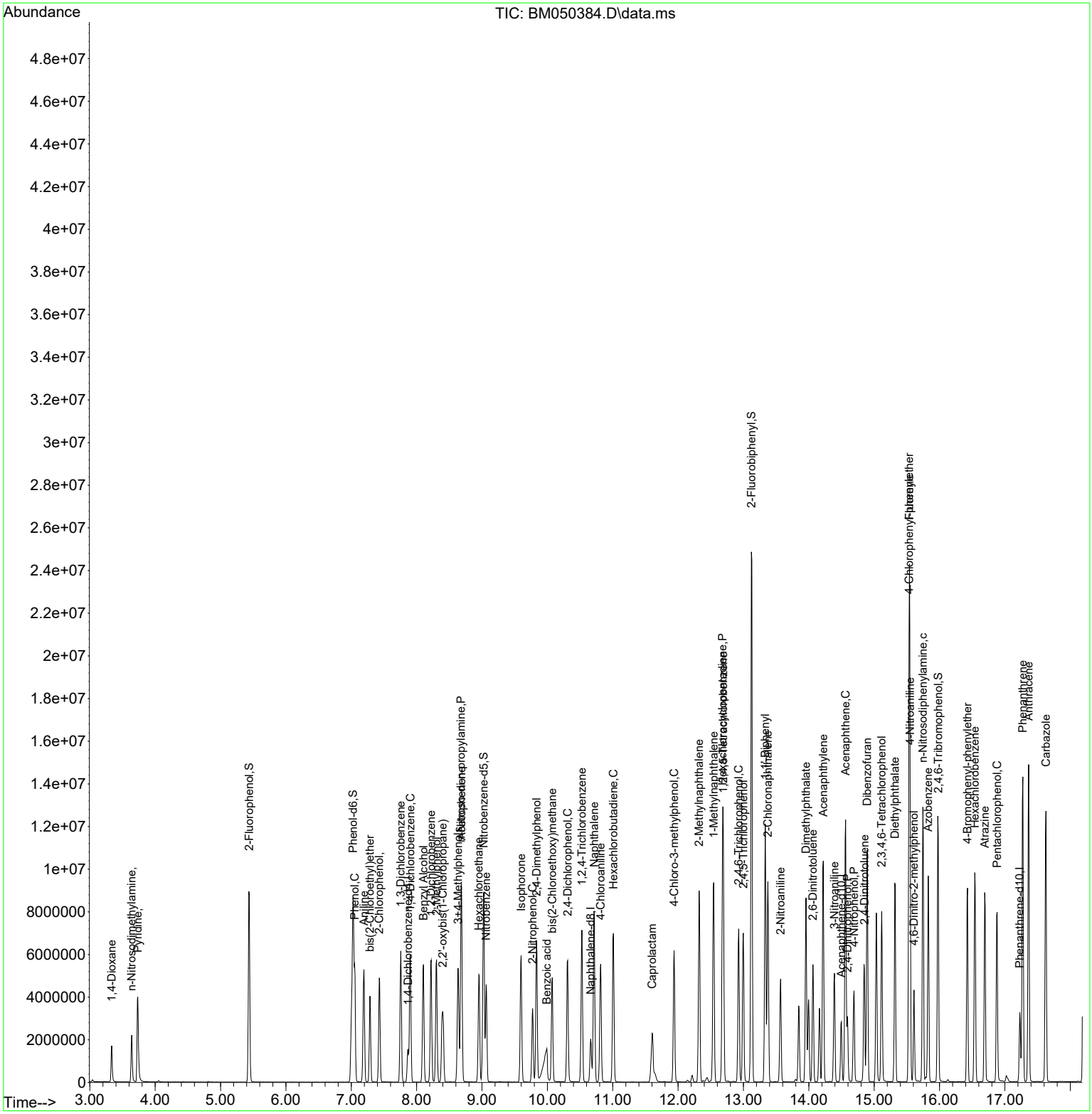
Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050384.D
Acq On : 08 Jul 2025 17:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Quant Time: Jul 08 18:24:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



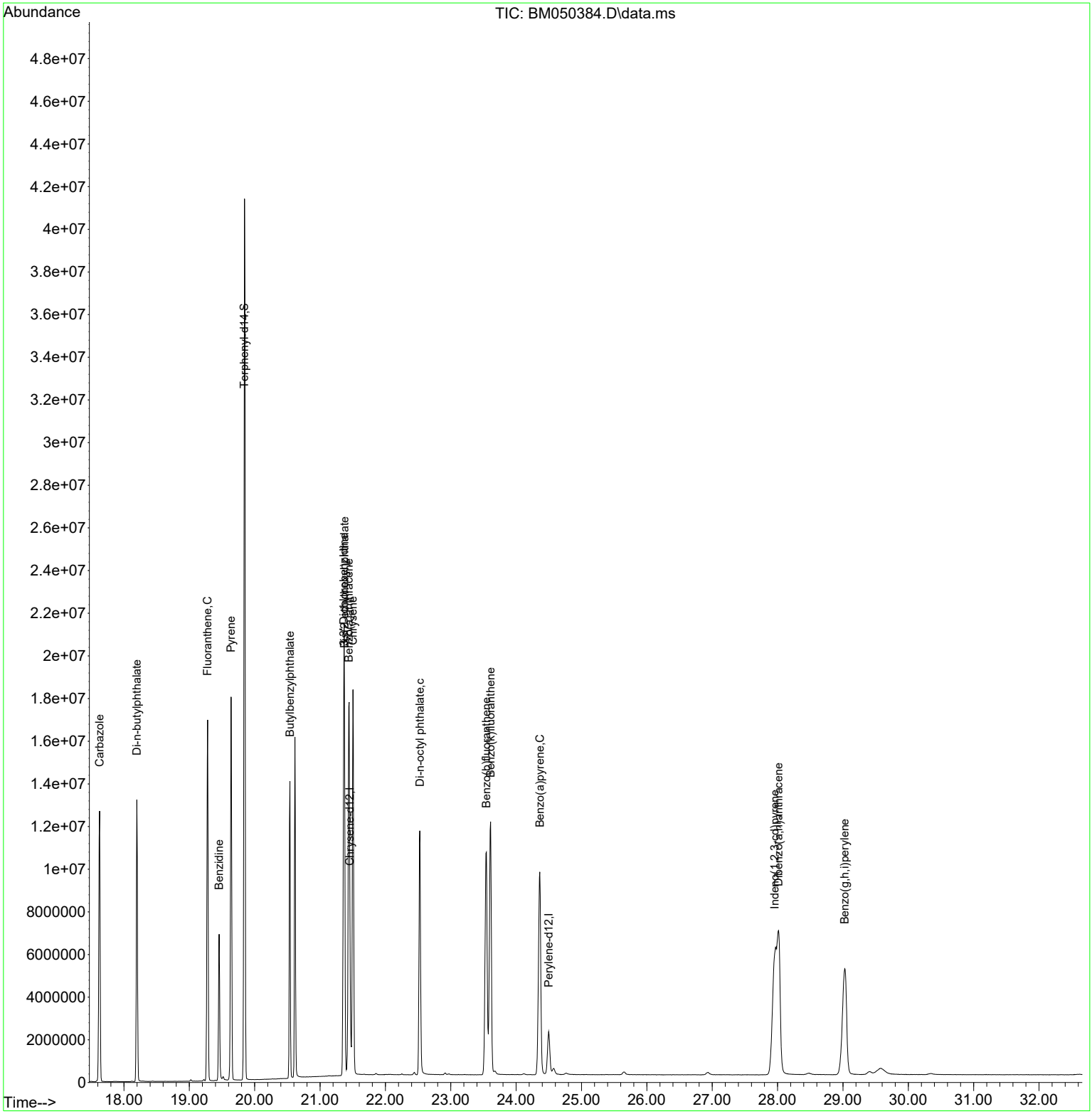
Quantitation Report (QT Reviewed)

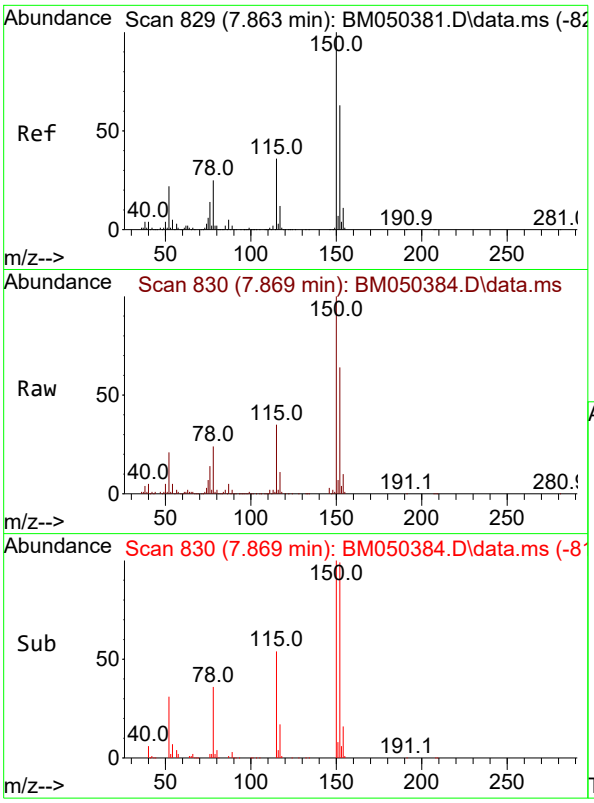
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050384.D
Acq On : 08 Jul 2025 17:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Quant Time: Jul 08 18:24:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



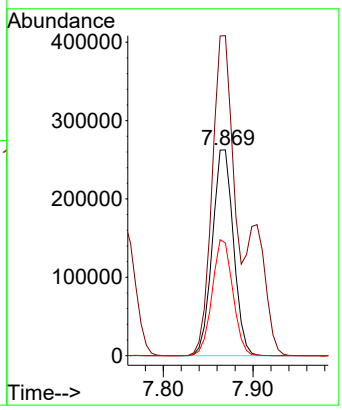


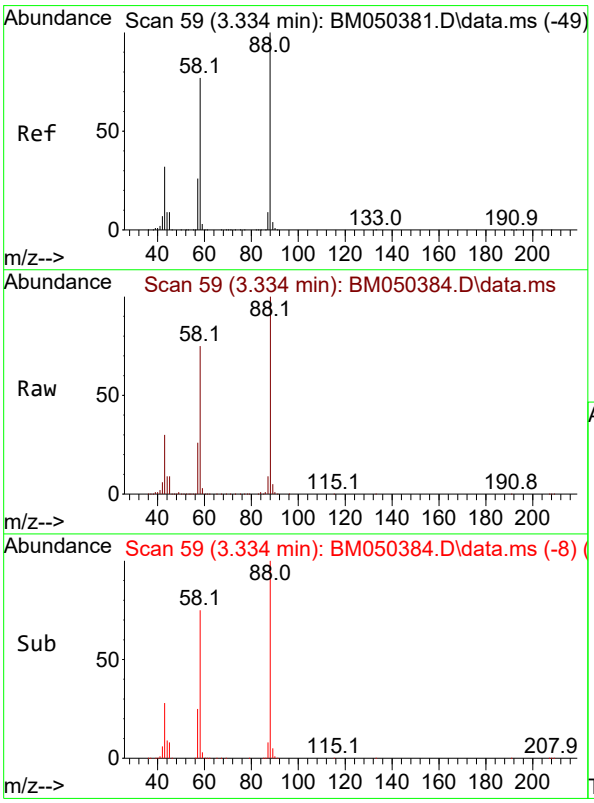

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.869 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:152 Resp: 429681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.5 | 126.2 | 189.4 |
| 115 | 54.7 | 45.8 | 68.8 |

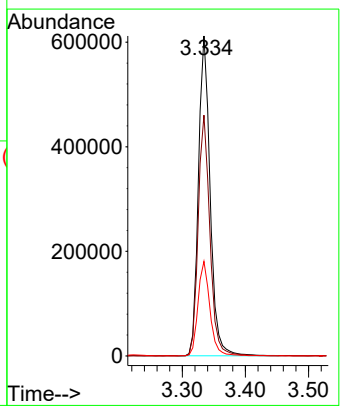


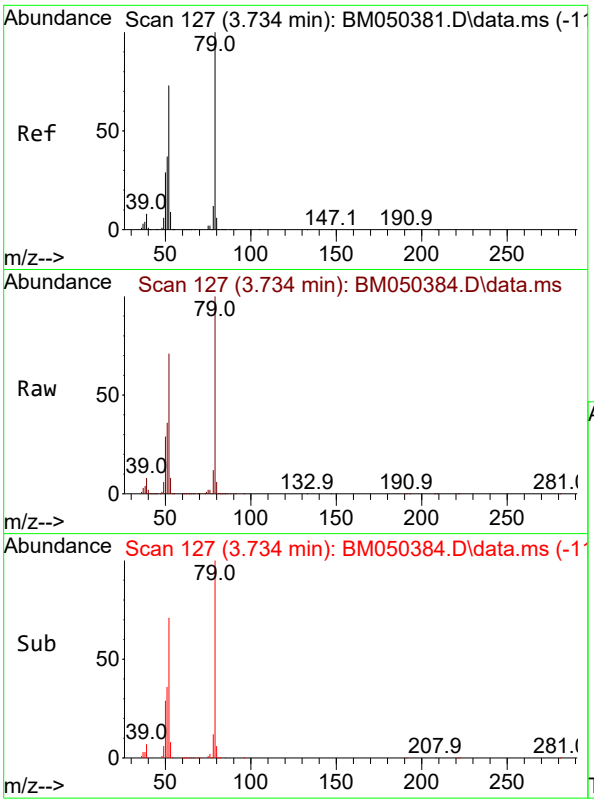




#2
1,4-Dioxane
Concen: 76.507 ng
RT: 3.334 min Scan# 59
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion: 88 Resp: 785309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.7 | 61.0 | 91.6 |
| 43 | 30.0 | 24.6 | 37.0 |



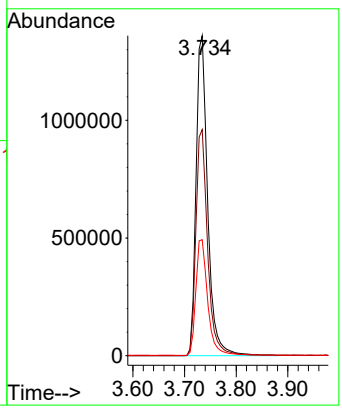


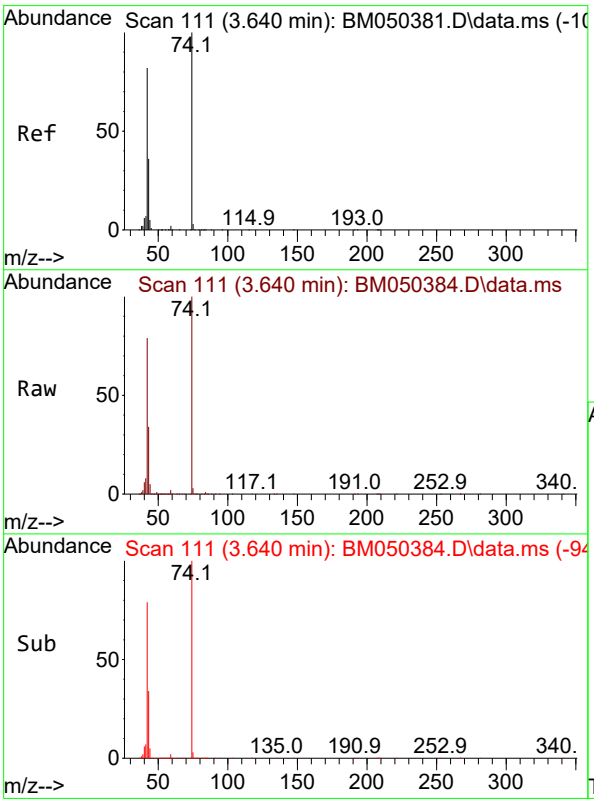

#3
Pyridine
Concen: 78.804 ng
RT: 3.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion: 79 Resp: 2123609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 70.7 | 58.3 | 87.5 |
| 51 | 36.2 | 29.6 | 44.4 |

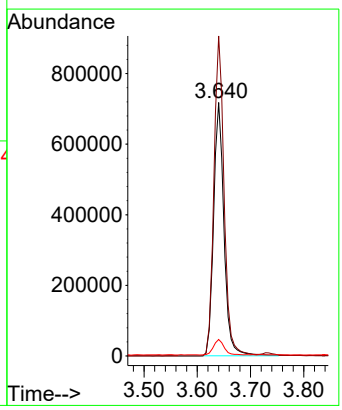


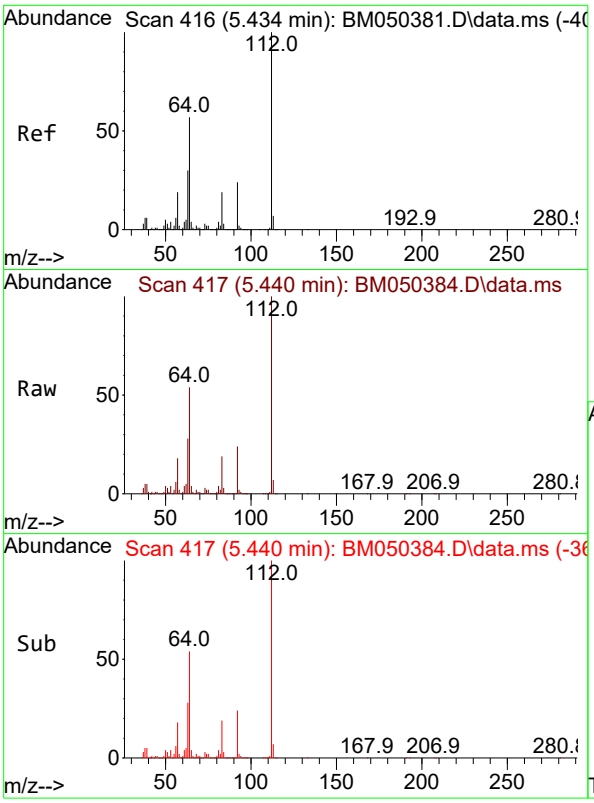




#4
n-Nitrosodimethylamine
Concen: 77.228 ng
RT: 3.640 min Scan# 111
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion: 42 Resp: 970223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 126.3 | 97.5 | 146.3 |
| 44 | 6.5 | 5.7 | 8.5 |



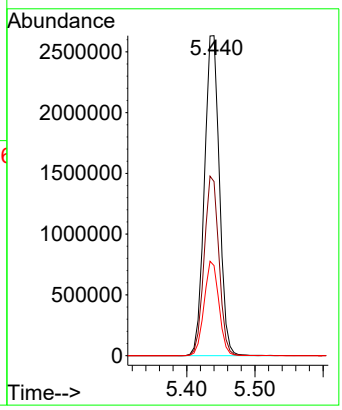


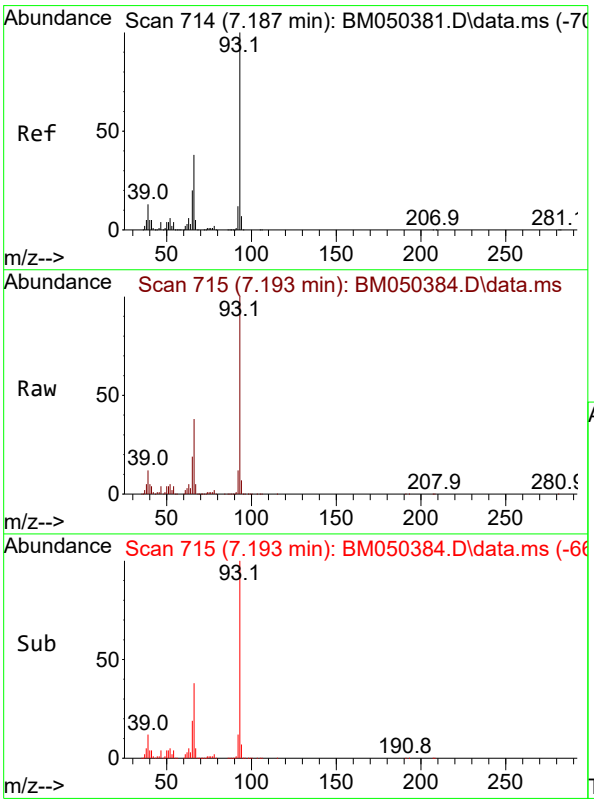

#5
2-Fluorophenol
Concen: 160.835 ng
RT: 5.440 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:112 Resp: 4014825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.4 | 45.5 | 68.3 |
| 63 | 28.1 | 24.2 | 36.4 |

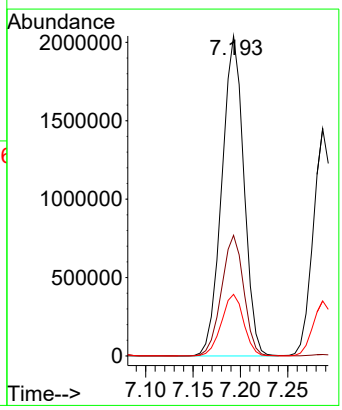


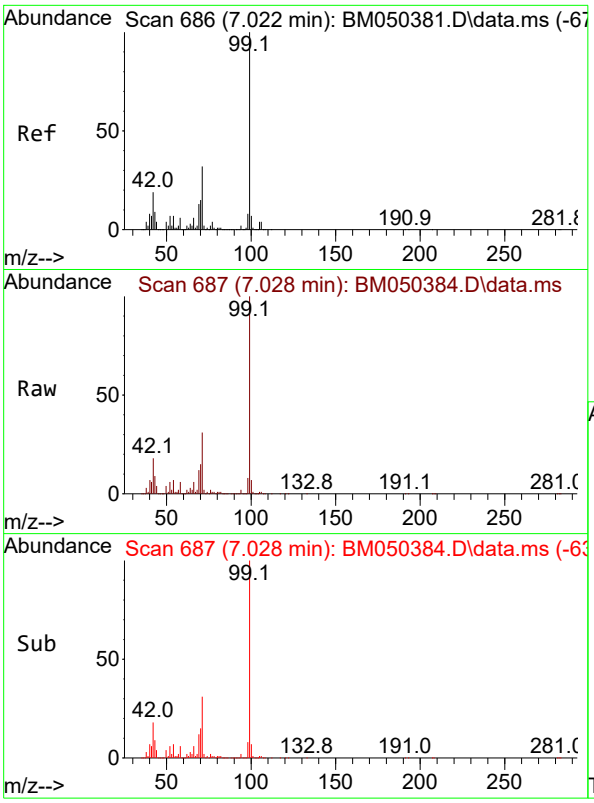




#6
Aniline
Concen: 81.748 ng
RT: 7.193 min Scan# 715
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion: 93 Resp: 3301305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 37.7 | 30.5 | 45.7 |
| 65 | 19.2 | 15.9 | 23.9 |



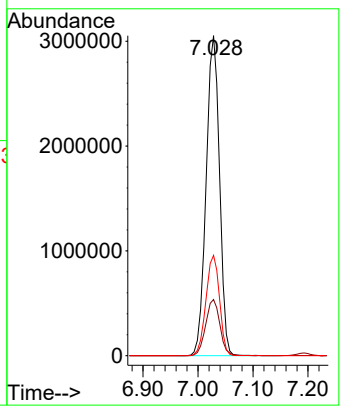


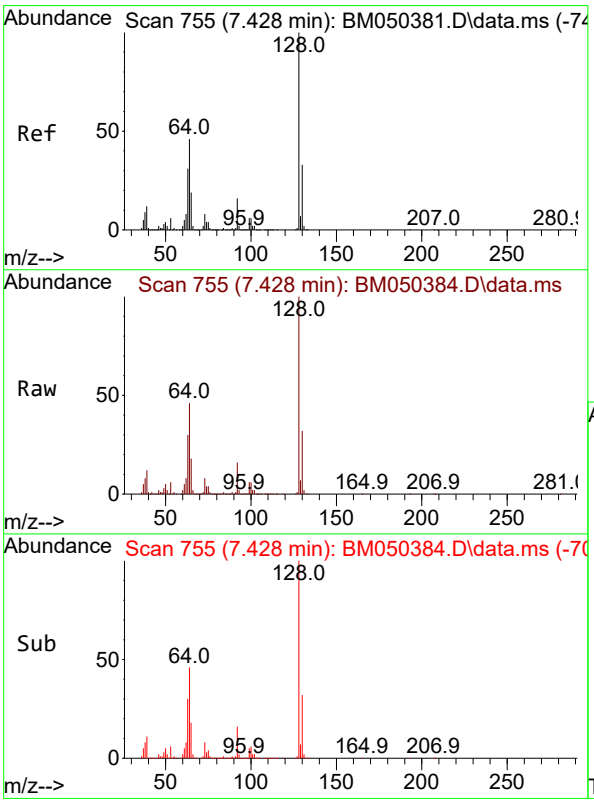

#7
Phenol-d6
Concen: 163.630 ng
RT: 7.028 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion: 99 Resp: 5149049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.6 | 15.0 | 22.6 |
| 71 | 31.4 | 25.9 | 38.9 |

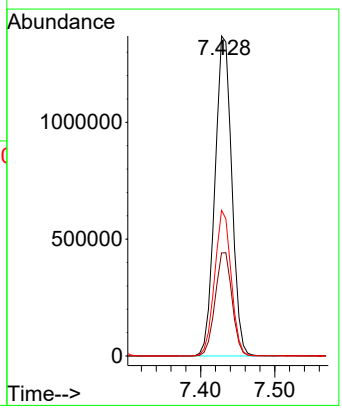


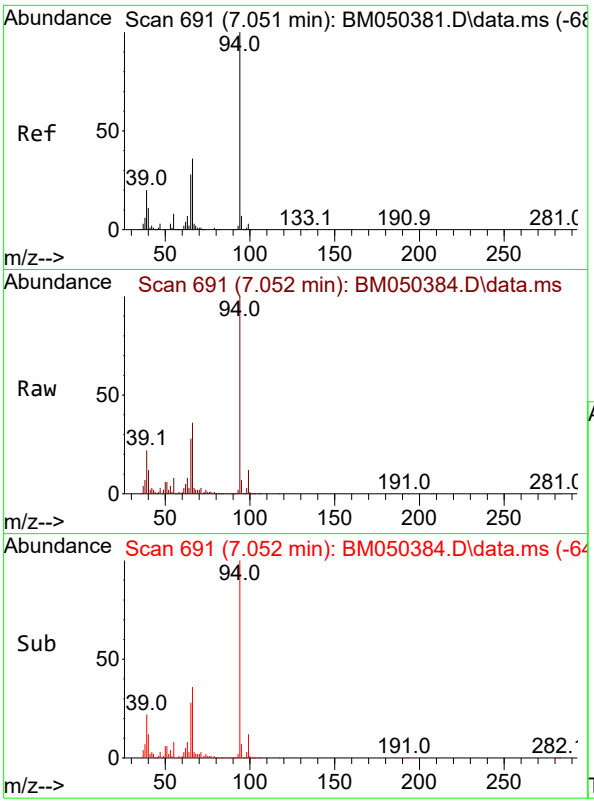




#8
2-Chlorophenol
Concen: 82.163 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:128 Resp: 2162654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.2 | 13.3 | 53.3 |
| 64 | 45.6 | 25.6 | 65.6 |



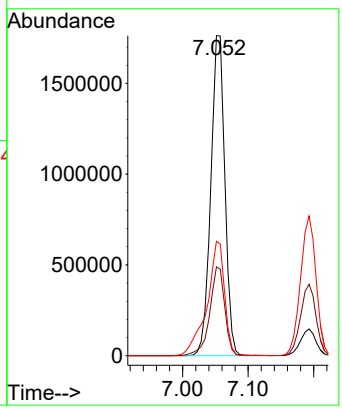


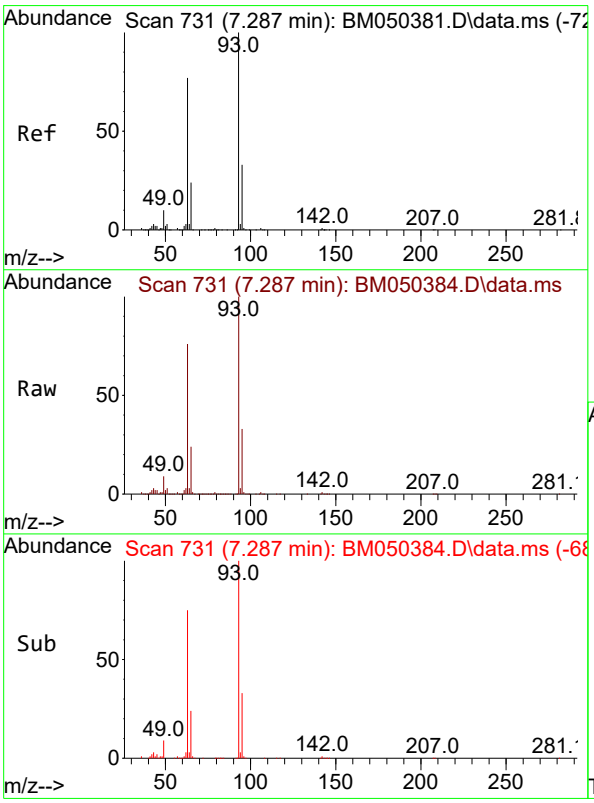

#10
Phenol
Concen: 80.368 ng
RT: 7.052 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion: 94 Resp: 2637766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 27.8 | 8.1 | 48.1 |
| 66 | 35.7 | 15.8 | 55.8 |

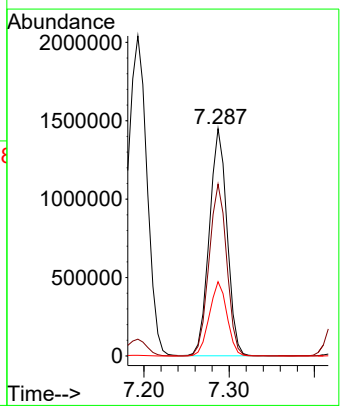


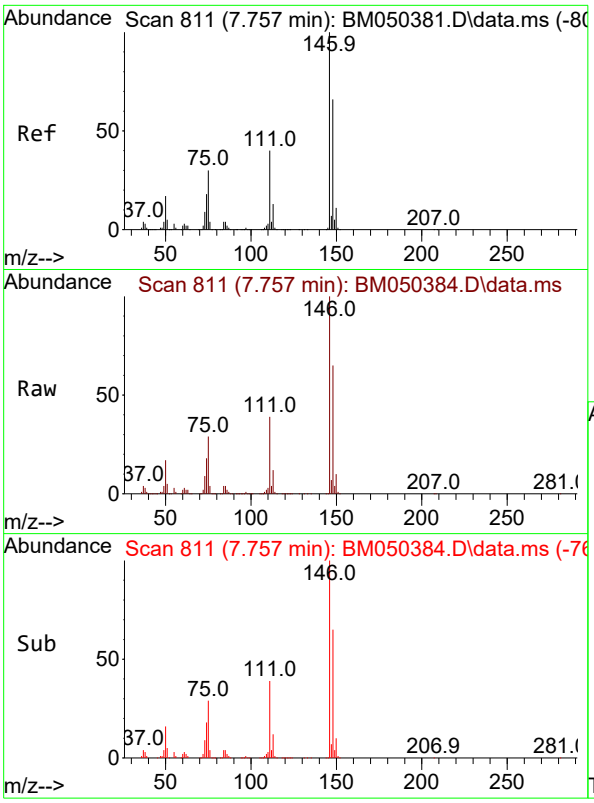




#11
bis(2-Chloroethyl)ether
Concen: 79.625 ng
RT: 7.287 min Scan# 731
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion: 93 Resp: 2092911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 75.6 | 56.9 | 96.9 |
| 95 | 32.6 | 12.6 | 52.6 |



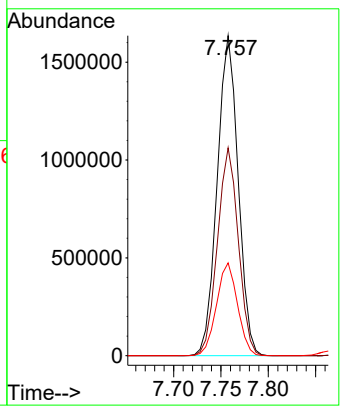


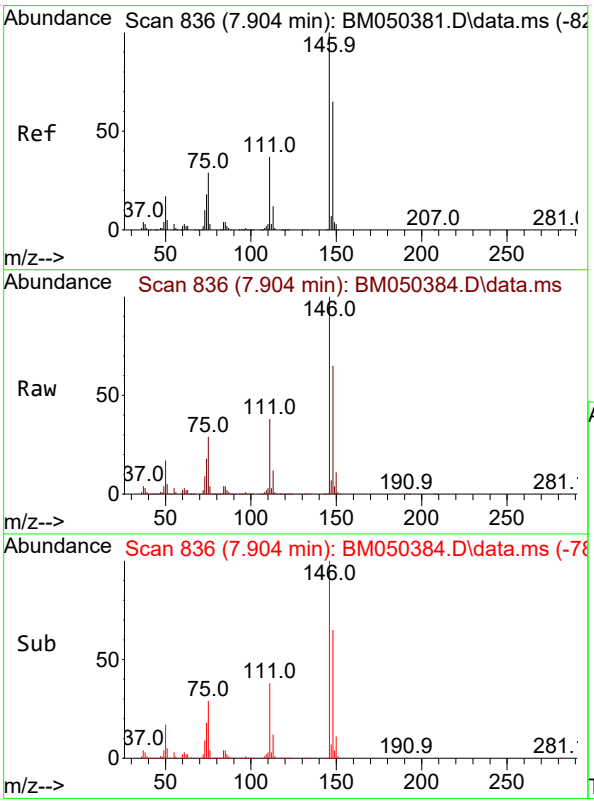

#12
1,3-Dichlorobenzene
Concen: 78.654 ng
RT: 7.757 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:146 Resp: 2517372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.0 | 53.2 | 79.8 |
| 75 | 29.0 | 23.9 | 35.9 |

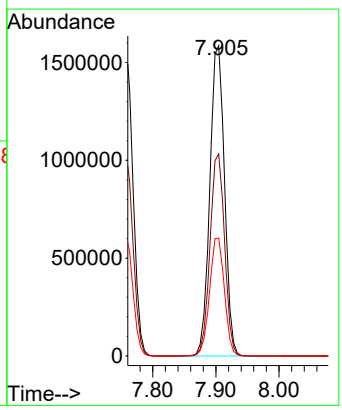


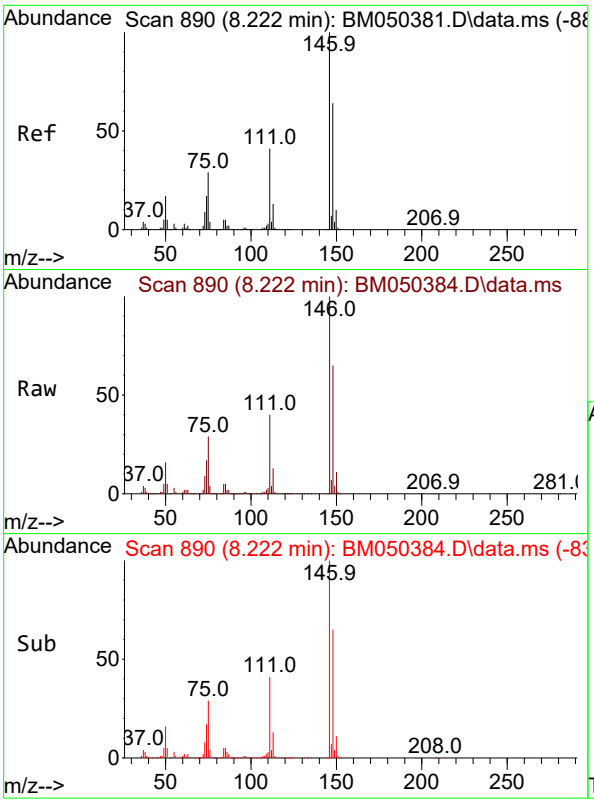




#13
1,4-Dichlorobenzene
Concen: 78.187 ng
RT: 7.904 min Scan# 836
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:146 Resp: 2555213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.2 | 51.9 | 77.9 |
| 111 | 38.0 | 30.0 | 45.0 |



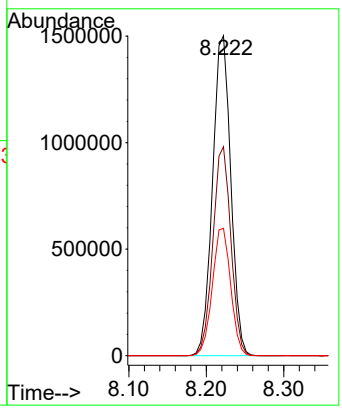


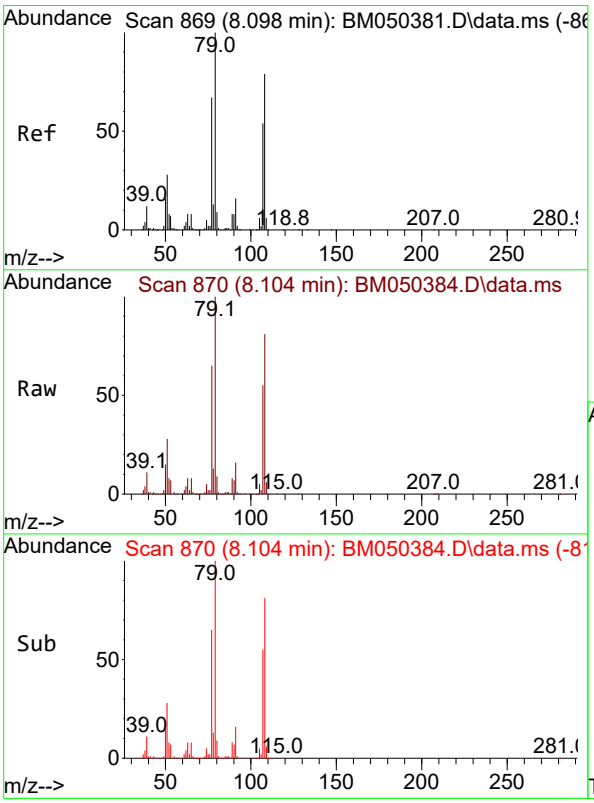

#14
1,2-Dichlorobenzene
Concen: 78.434 ng
RT: 8.222 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:146 Resp: 2454039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.3 | 51.5 | 77.3 |
| 111 | 39.8 | 32.6 | 49.0 |

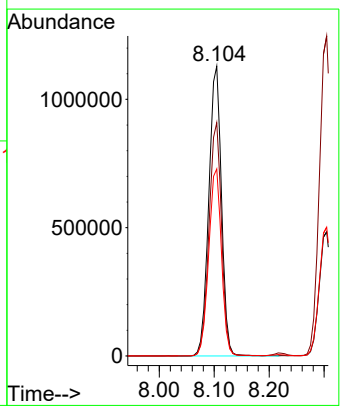


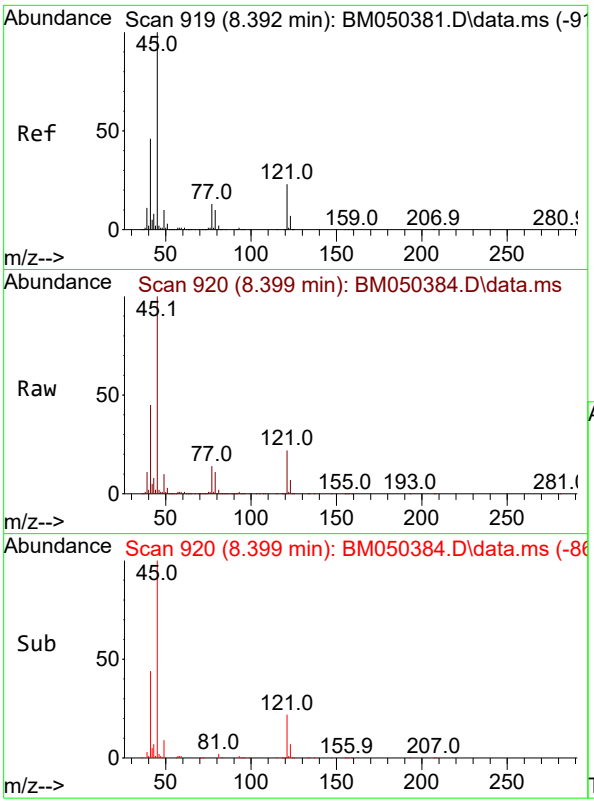




#15
Benzyl Alcohol
Concen: 81.539 ng
RT: 8.104 min Scan# 870
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion: 79 Resp: 1807870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 80.5 | 63.0 | 94.4 |
| 77 | 64.5 | 53.4 | 80.0 |



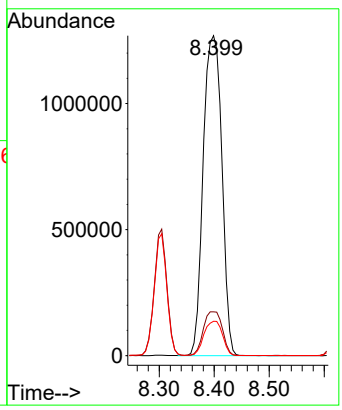


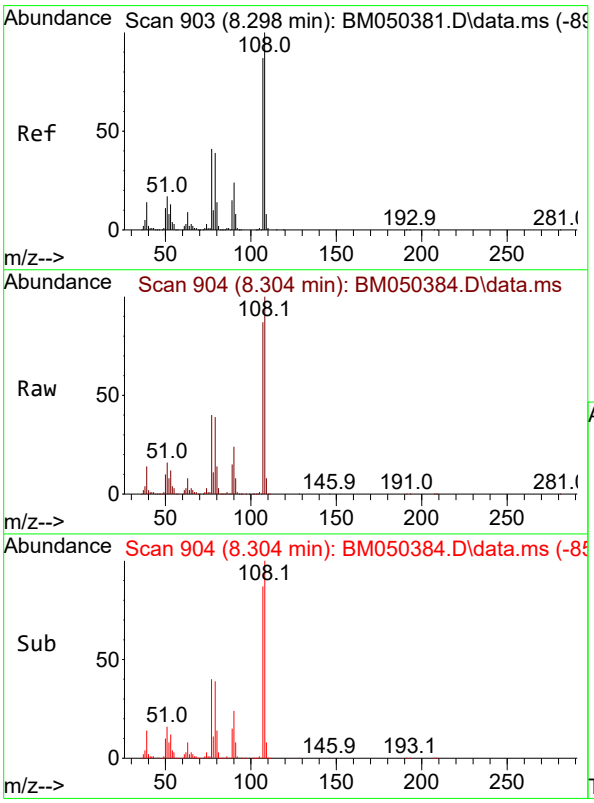

#16
2,2'-oxybis(1-Chloropropane)
Concen: 77.270 ng
RT: 8.399 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion: 45 Resp: 2991629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.7 | 0.0 | 33.5 |
| 79 | 10.8 | 0.0 | 30.3 |

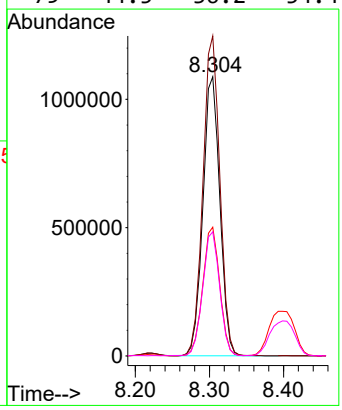


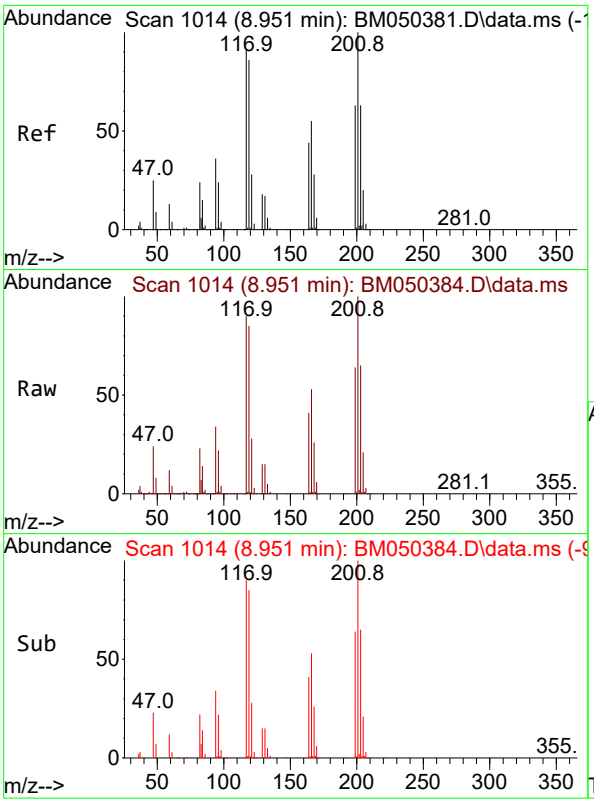




#17
2-Methylphenol
Concen: 81.397 ng
RT: 8.304 min Scan# 904
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:107 Resp: 1732716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.6 | 92.1 | 138.1 |
| 77 | 46.1 | 38.2 | 57.4 |
| 79 | 44.5 | 36.2 | 54.4 |



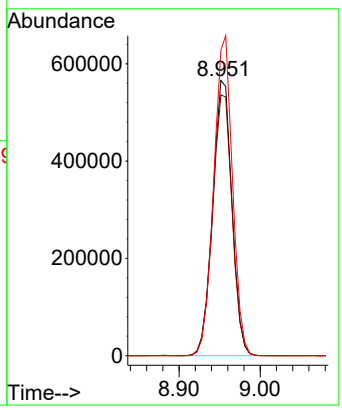


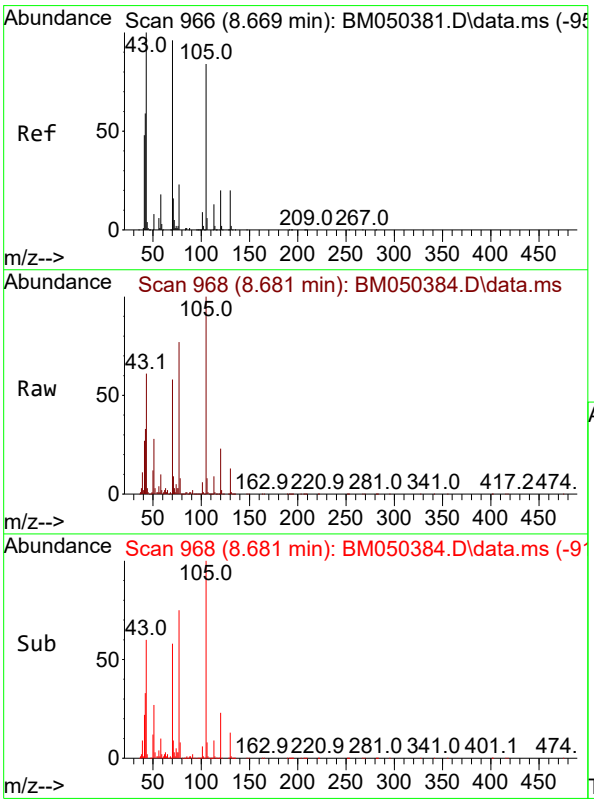

#18
Hexachloroethane
Concen: 81.135 ng
RT: 8.951 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:117 Resp: 932539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.8 | 75.6 | 113.4 |
| 201 | 111.1 | 87.9 | 131.9 |

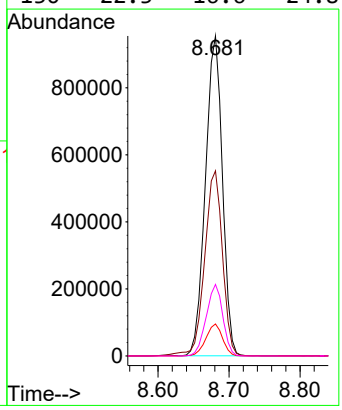


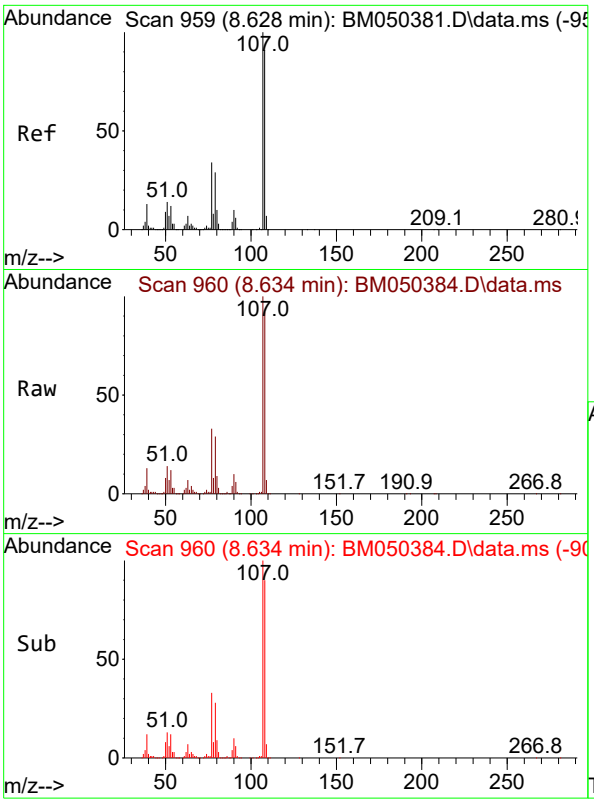




#19
n-Nitroso-di-n-propylamine
Concen: 83.281 ng
RT: 8.681 min Scan# 968
Delta R.T. 0.012 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion: 70 Resp: 1587587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.9 | 49.7 | 74.5 |
| 101 | 10.0 | 7.7 | 11.5 |
| 130 | 22.3 | 16.6 | 24.8 |



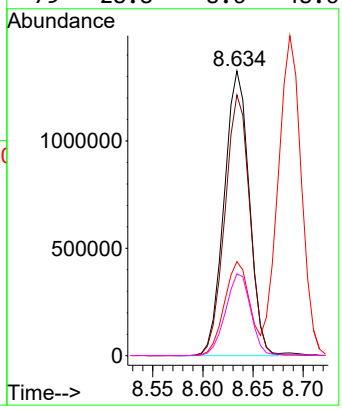


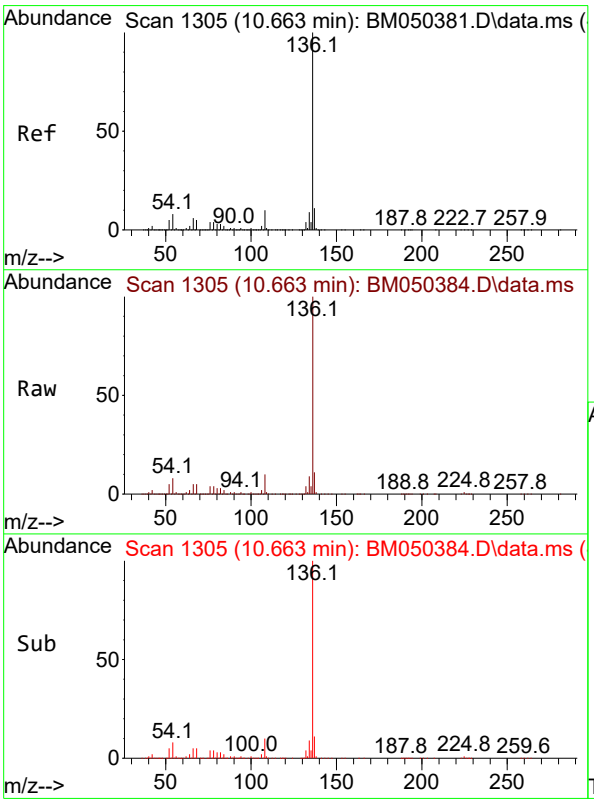

#20
3+4-Methylphenols
Concen: 80.491 ng
RT: 8.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:107 Resp: 2300155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.5 | 71.5 | 111.5 |
| 77 | 33.0 | 13.7 | 53.7 |
| 79 | 28.8 | 8.6 | 48.6 |

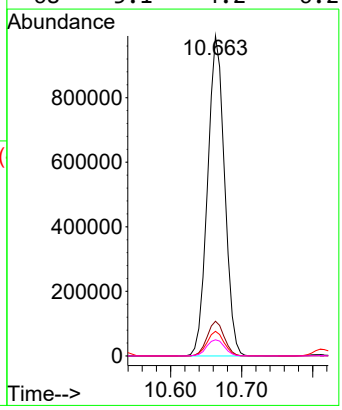


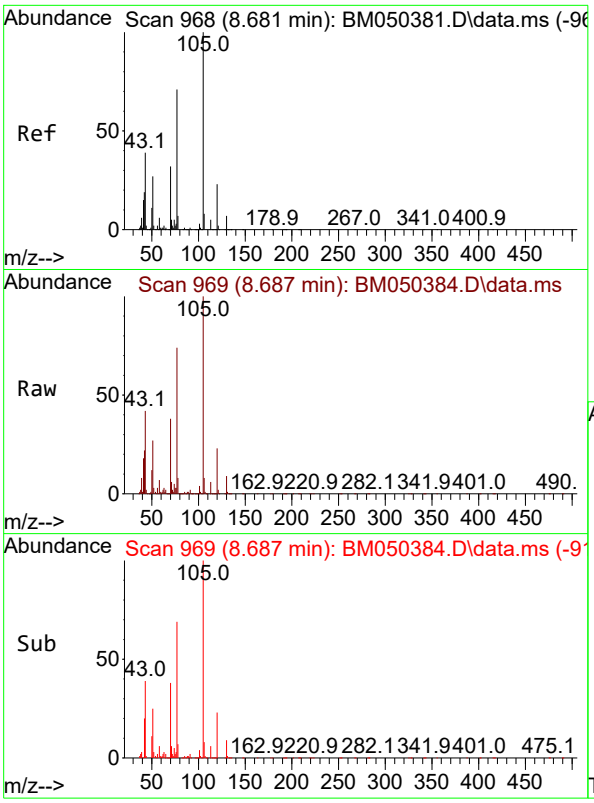




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:136 Resp: 1643859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 7.7 | 6.3 | 9.5 |
| 68 | 5.1 | 4.2 | 6.2 |



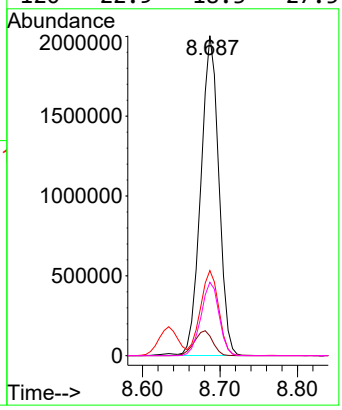


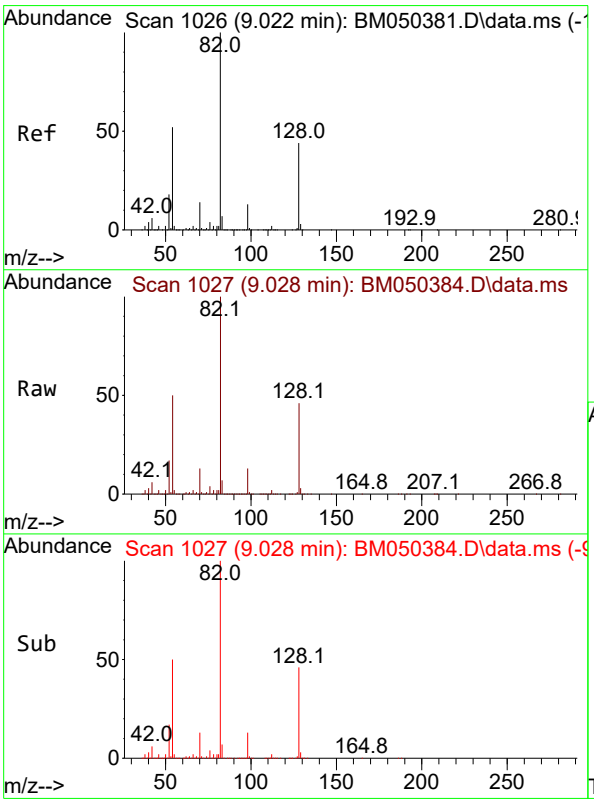

#22
Acetophenone
Concen: 78.279 ng
RT: 8.687 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:105 Resp: 3217324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.2 | 4.4 | 6.6 |
| 51 | 26.6 | 23.0 | 34.6 |
| 120 | 22.9 | 18.3 | 27.5 |

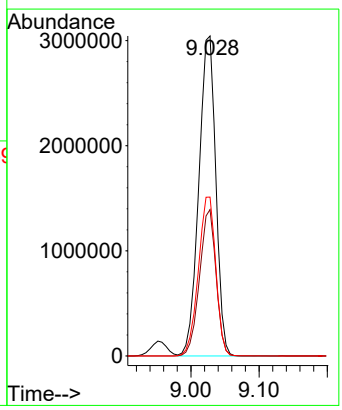


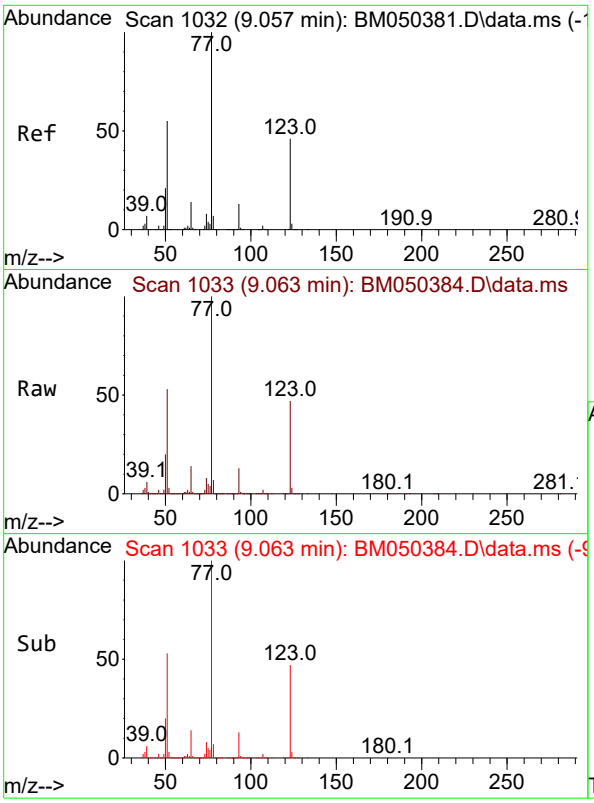




#23
Nitrobenzene-d5
Concen: 163.391 ng
RT: 9.028 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion: 82 Resp: 5264647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.7 | 35.2 | 52.8 |
| 54 | 49.7 | 41.5 | 62.3 |



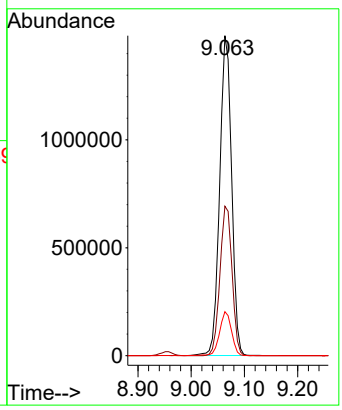


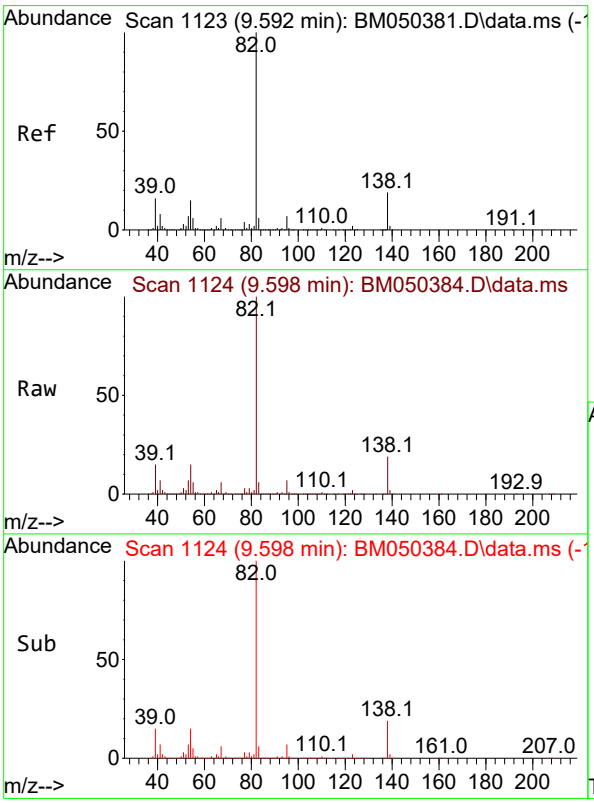

#24
Nitrobenzene
Concen: 79.875 ng
RT: 9.063 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion: 77 Resp: 2296616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.7 | 37.0 | 55.6 |
| 65 | 13.8 | 11.0 | 16.4 |

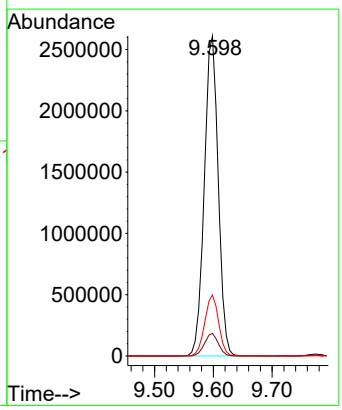


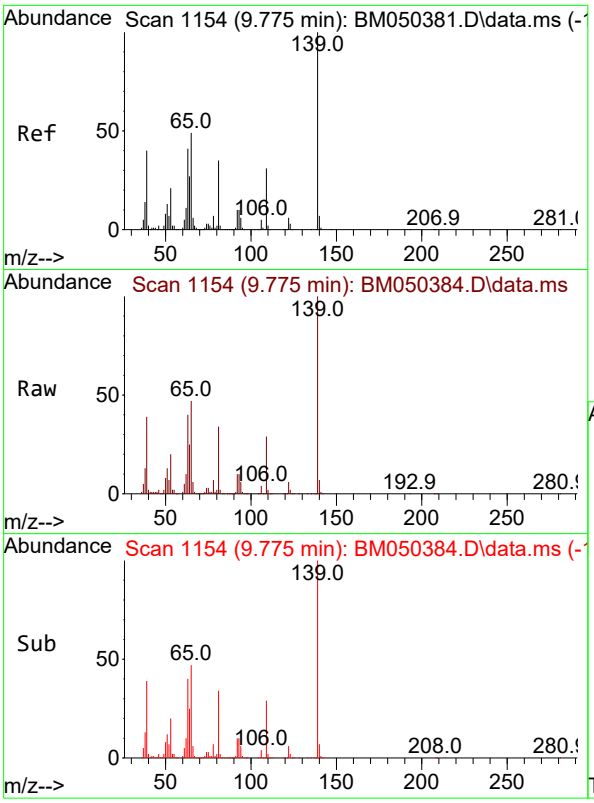




#25
Isophorone
Concen: 82.044 ng
RT: 9.598 min Scan# 1124
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion: 82 Resp: 4289620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.1 | 5.6 | 8.4 |
| 138 | 19.0 | 15.3 | 22.9 |



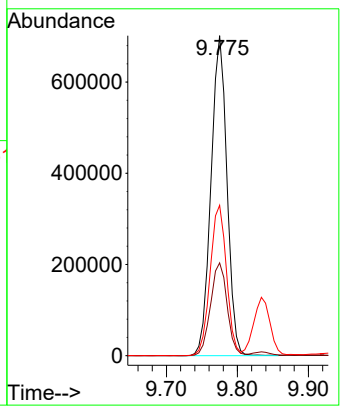


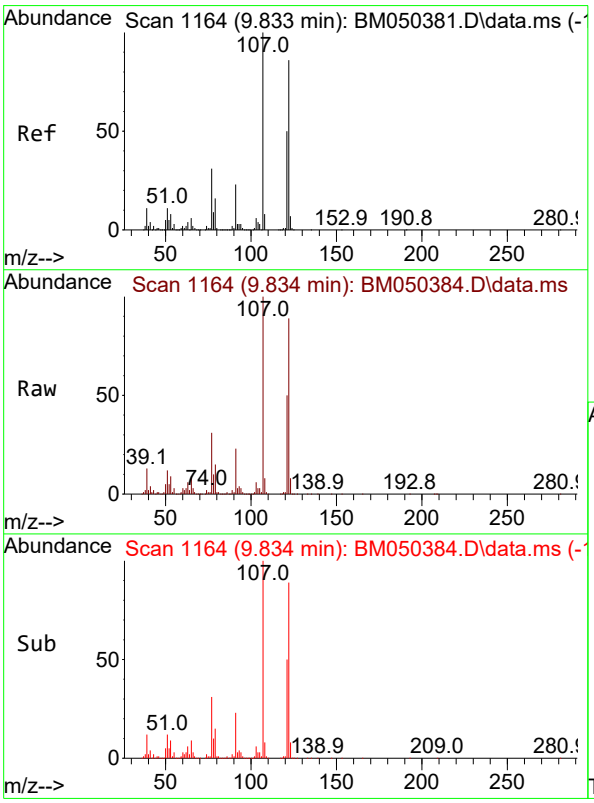

#26
2-Nitrophenol
Concen: 93.448 ng
RT: 9.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:139 Resp: 1095059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.0 | 24.6 | 36.8 |
| 65 | 47.0 | 39.2 | 58.8 |

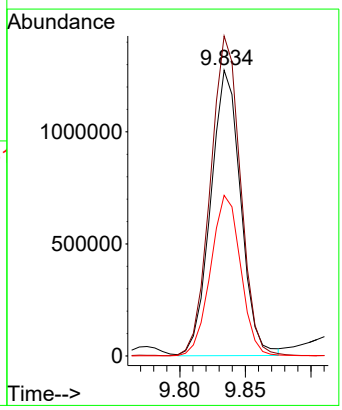


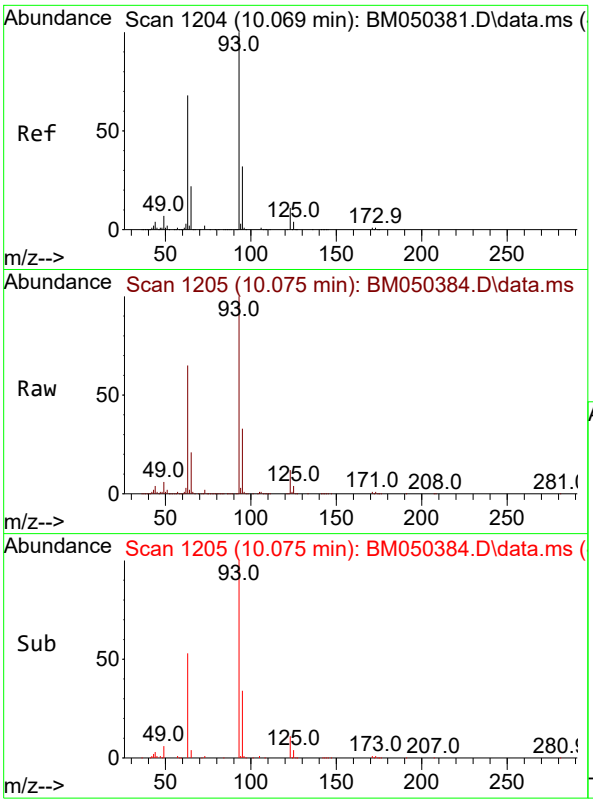




#27
2,4-Dimethylphenol
Concen: 81.267 ng
RT: 9.834 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:122 Resp: 2026460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.0 | 93.0 | 139.6 |
| 121 | 56.2 | 46.1 | 69.1 |



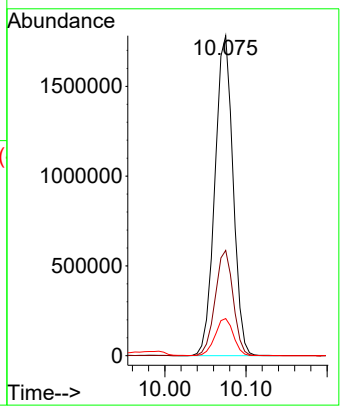


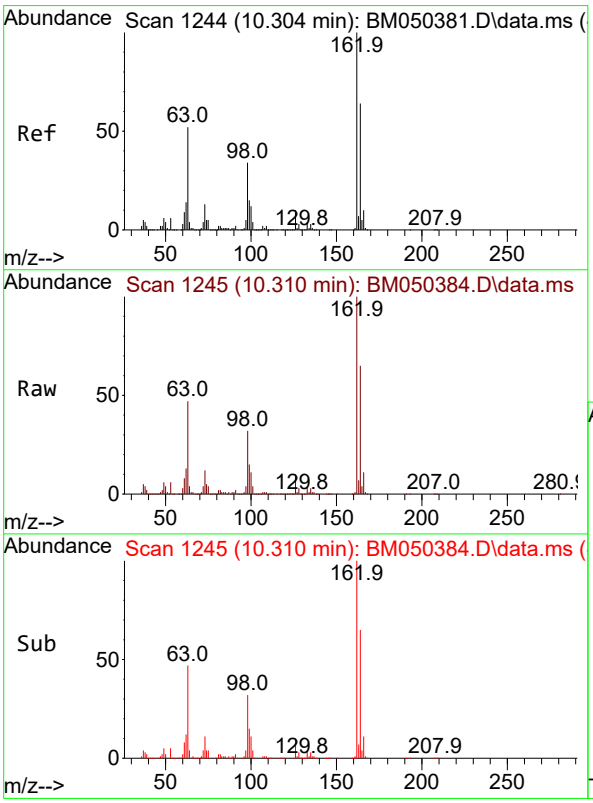

#28
bis(2-Chloroethoxy)methane
Concen: 79.691 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion: 93 Resp: 2760921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.9 | 25.8 | 38.6 |
| 123 | 11.6 | 9.1 | 13.7 |

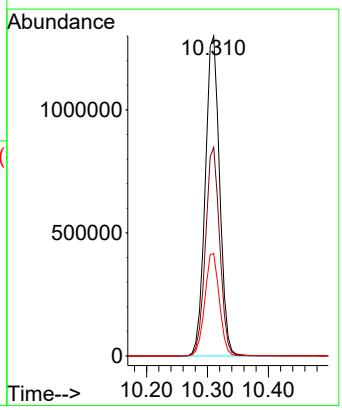


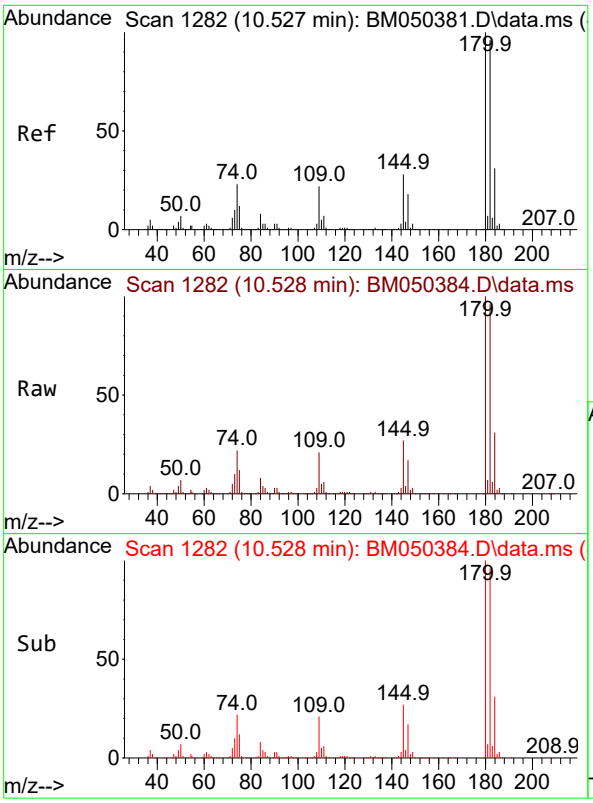




#29
2,4-Dichlorophenol
Concen: 83.334 ng
RT: 10.310 min Scan# 1245
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:162 Resp: 2134843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.2 | 43.7 | 83.7 |
| 98 | 32.0 | 13.7 | 53.7 |



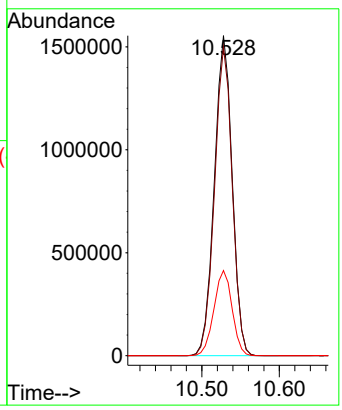


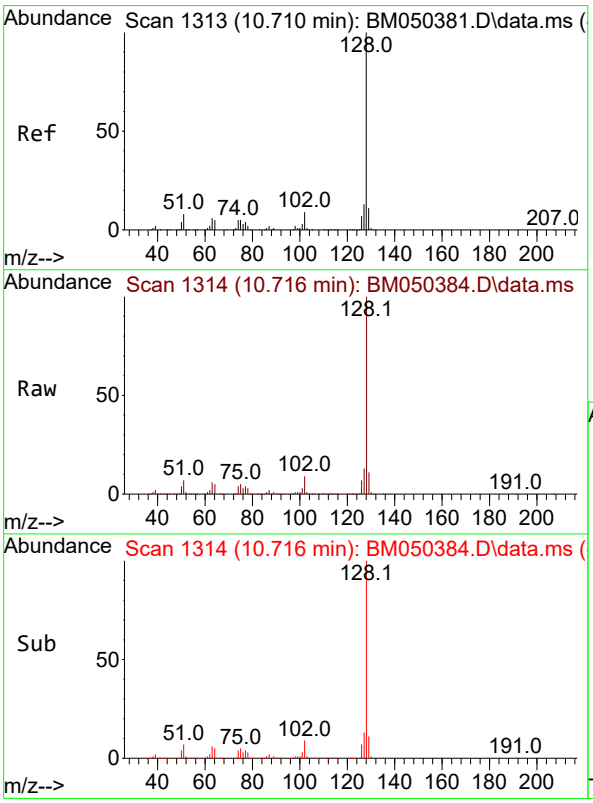

#30
1,2,4-Trichlorobenzene
Concen: 81.052 ng
RT: 10.528 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:180 Resp: 2483928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.4 | 76.8 | 115.2 |
| 145 | 26.6 | 22.6 | 33.8 |

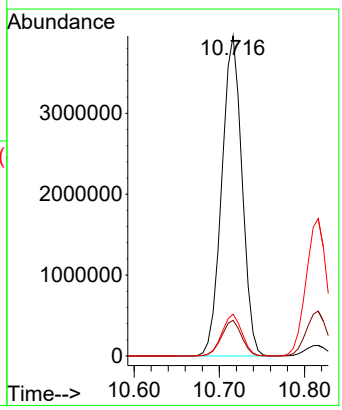


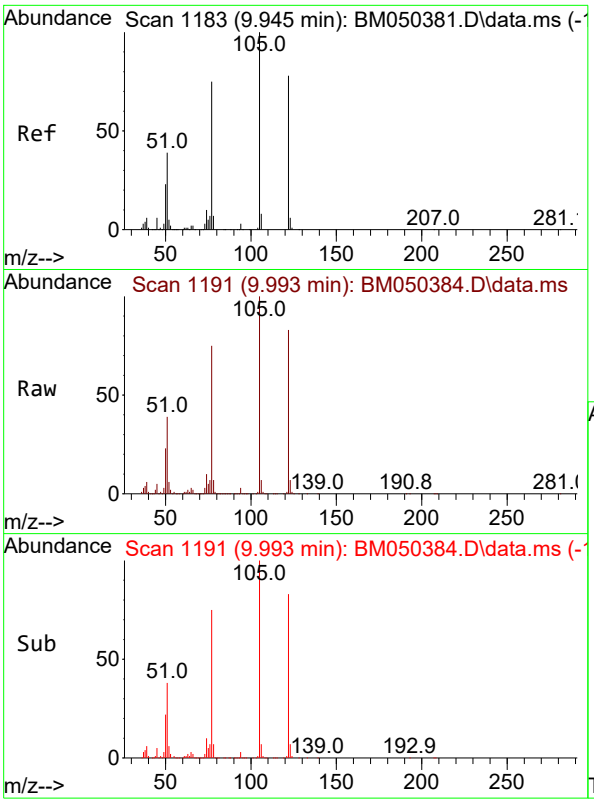




#31
Naphthalene
Concen: 78.095 ng
RT: 10.716 min Scan# 1314
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:128 Resp: 6520664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 8.8 | 13.2 |
| 127 | 13.0 | 10.4 | 15.6 |



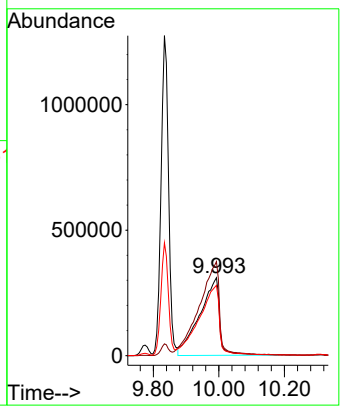


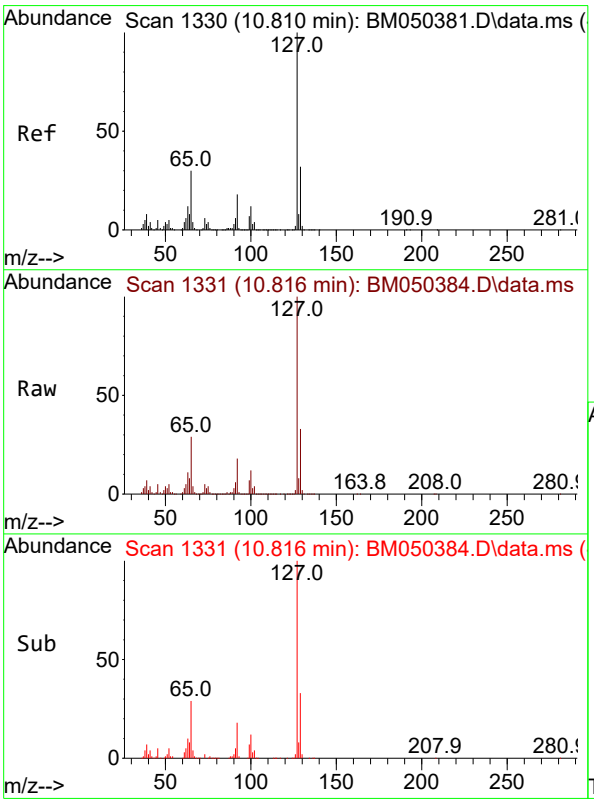

#32
Benzoic acid
Concen: 81.001 ng
RT: 9.993 min Scan# 1
Delta R.T. 0.048 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:122 Resp: 1311597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 120.8 | 104.0 | 144.0 |
| 77 | 90.4 | 73.8 | 113.8 |

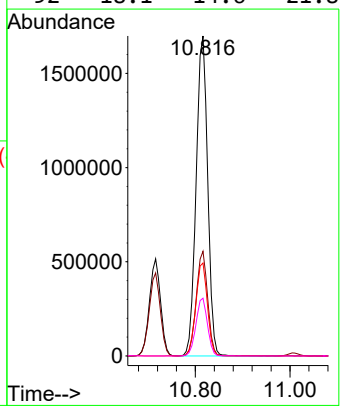


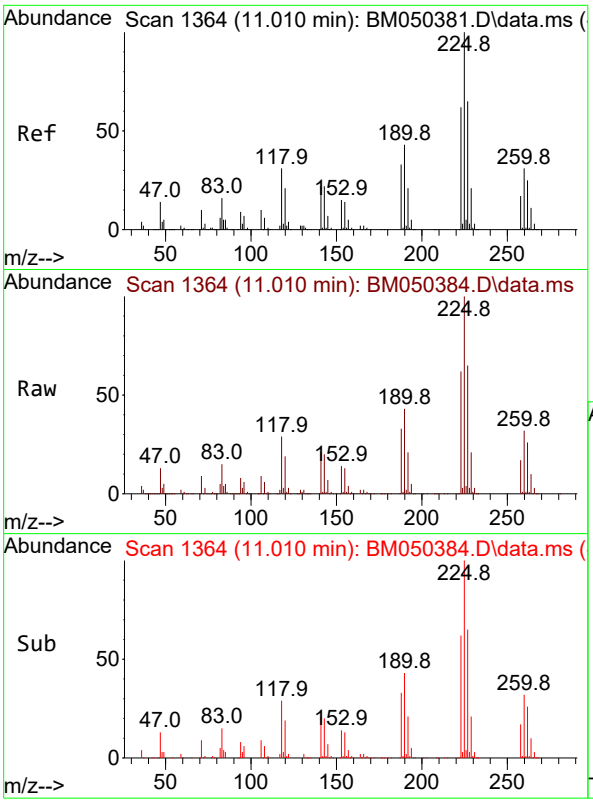




#33
4-Chloroaniline
Concen: 81.395 ng
RT: 10.816 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:127 Resp: 2873151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.7 | 25.5 | 38.3 |
| 65 | 29.1 | 23.9 | 35.9 |
| 92 | 18.1 | 14.6 | 21.8 |



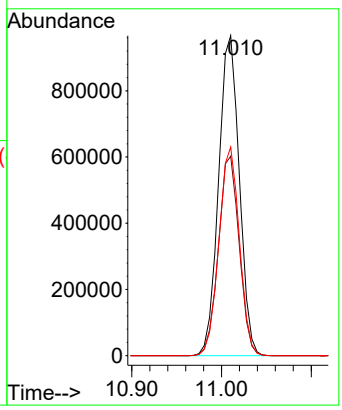


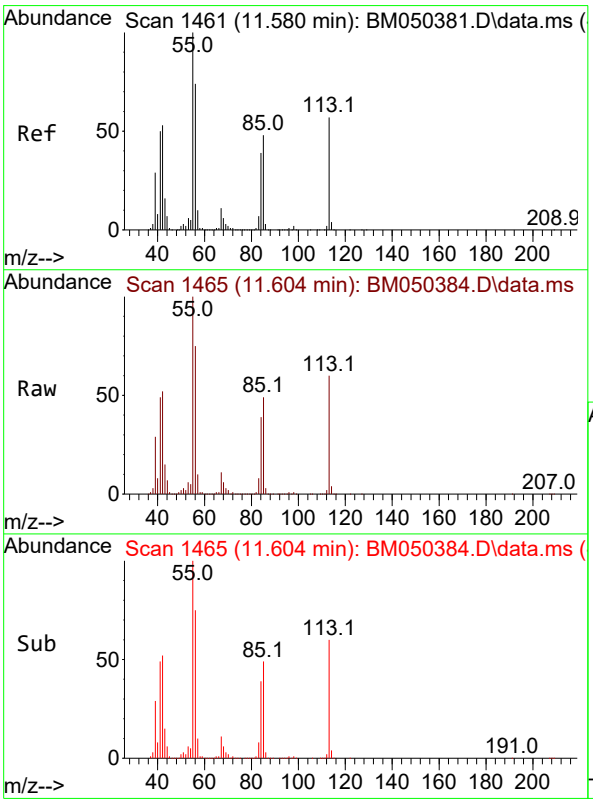

#34
Hexachlorobutadiene
Concen: 82.684 ng
RT: 11.010 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:225 Resp: 1546563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.4 | 49.7 | 74.5 |
| 227 | 65.2 | 52.1 | 78.1 |

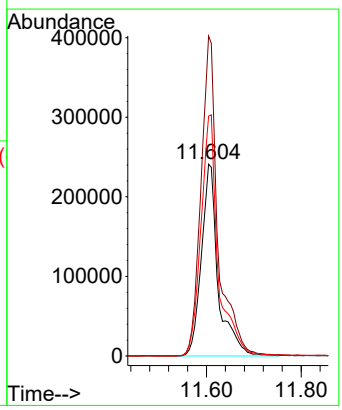


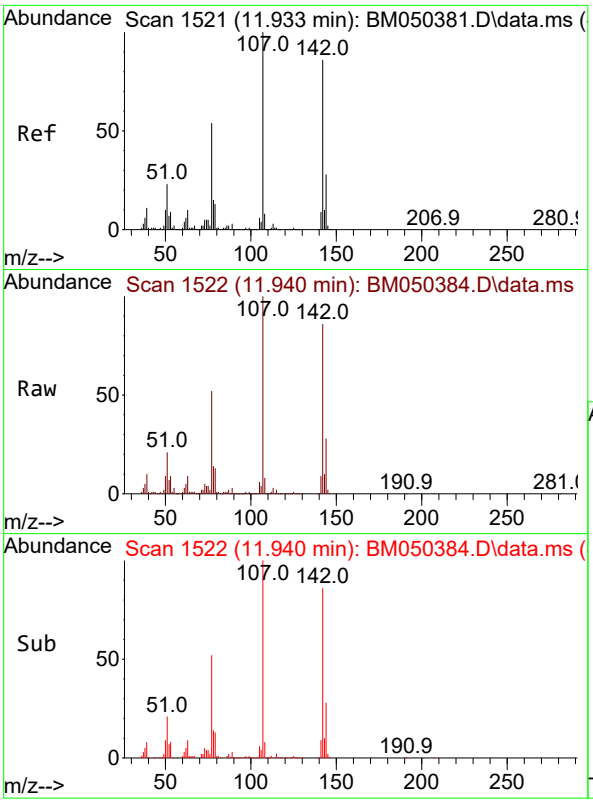




#35
Caprolactam
Concen: 84.949 ng
RT: 11.604 min Scan# 1465
Delta R.T. 0.024 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:113 Resp: 594080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 166.9 | 157.2 | 197.2 |
| 56 | 125.0 | 111.7 | 151.7 |



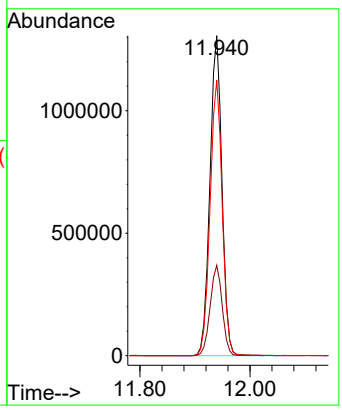


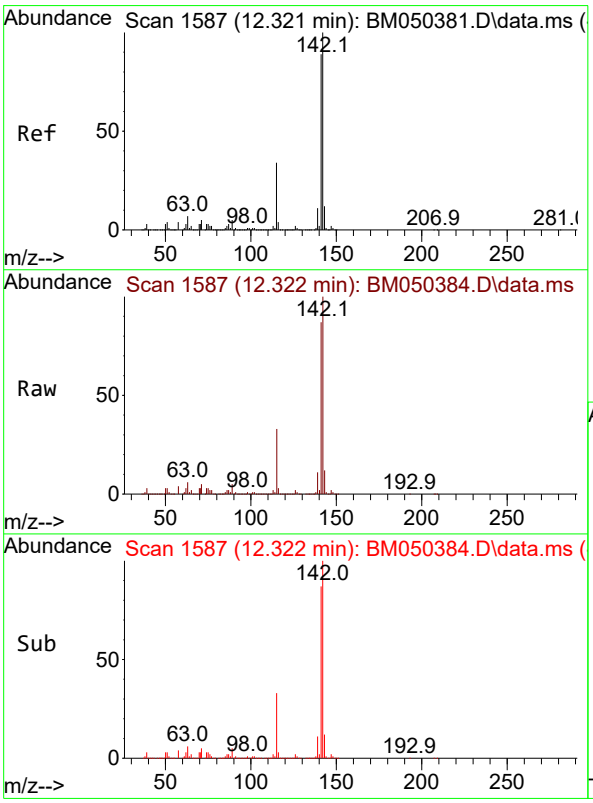

#36
4-Chloro-3-methylphenol
Concen: 82.929 ng
RT: 11.940 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:107 Resp: 1983864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 28.3 | 22.2 | 33.4 |
| 142 | 86.2 | 68.7 | 103.1 |

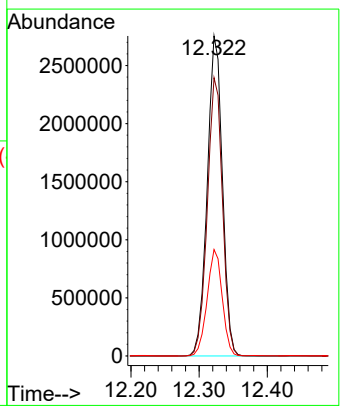


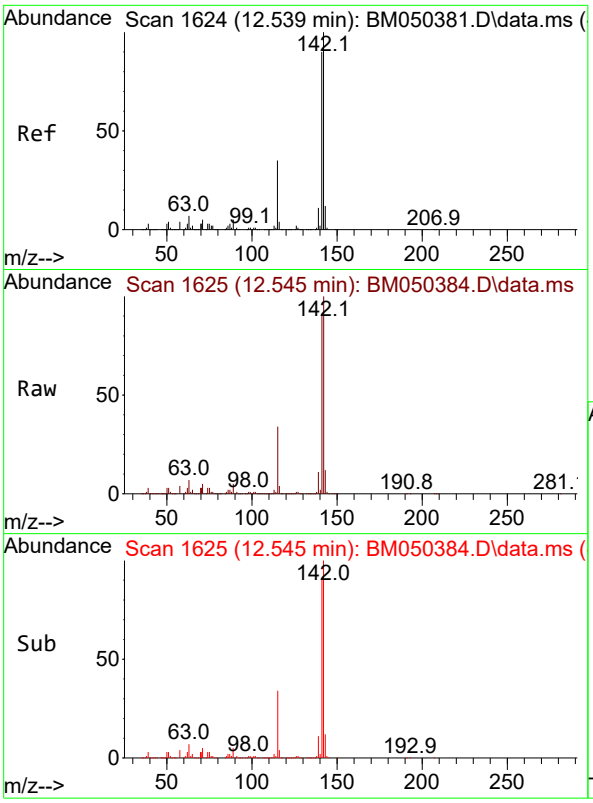




#37
2-Methylnaphthalene
Concen: 80.705 ng
RT: 12.322 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:142 Resp: 4254768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.9 | 70.8 | 106.2 |
| 115 | 33.2 | 27.0 | 40.4 |



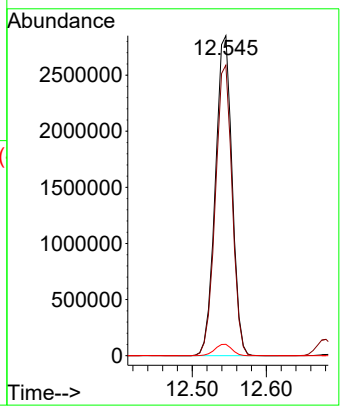


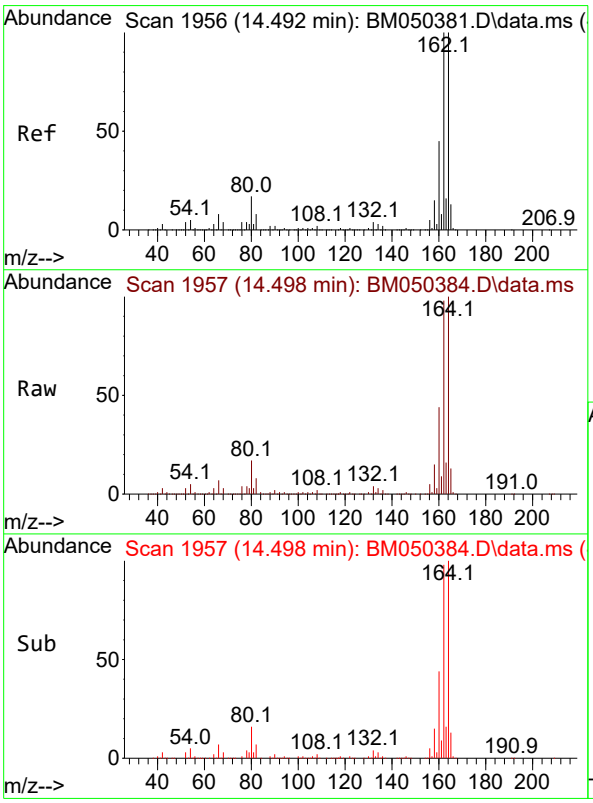

#38
1-Methylnaphthalene
Concen: 80.207 ng
RT: 12.545 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:142 Resp: 4475032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.8 | 71.9 | 107.9 |
| 116 | 3.6 | 3.0 | 4.6 |

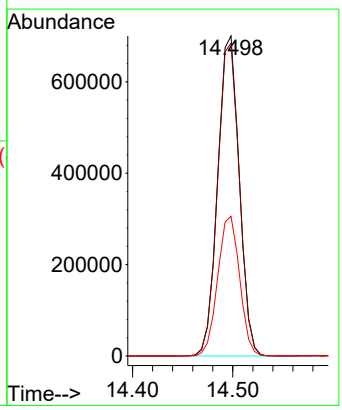


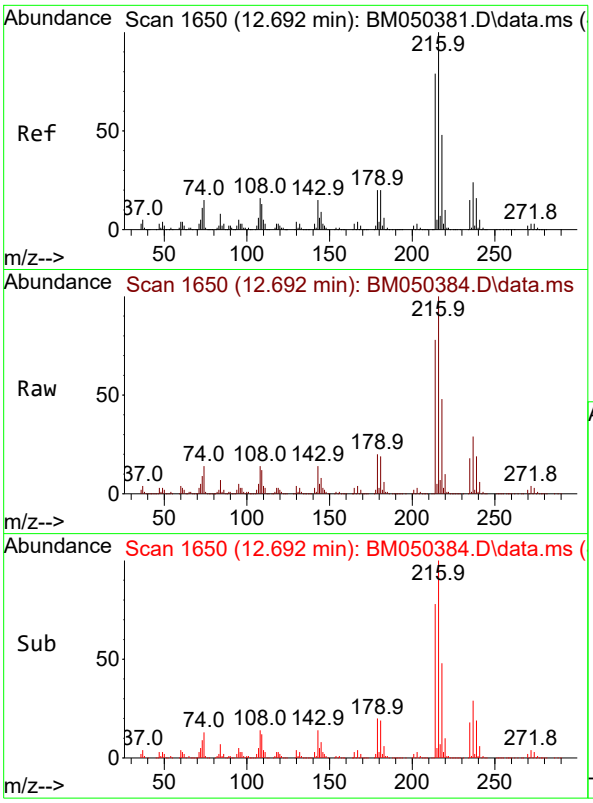




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:164 Resp: 1043719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 97.6 | 79.9 | 119.9 |
| 160 | 43.6 | 36.2 | 54.4 |



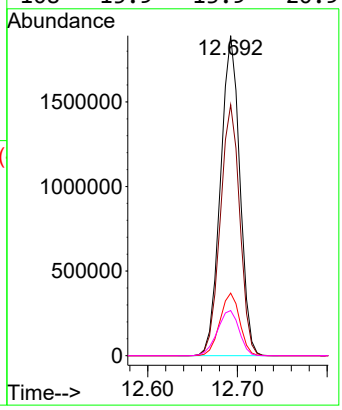


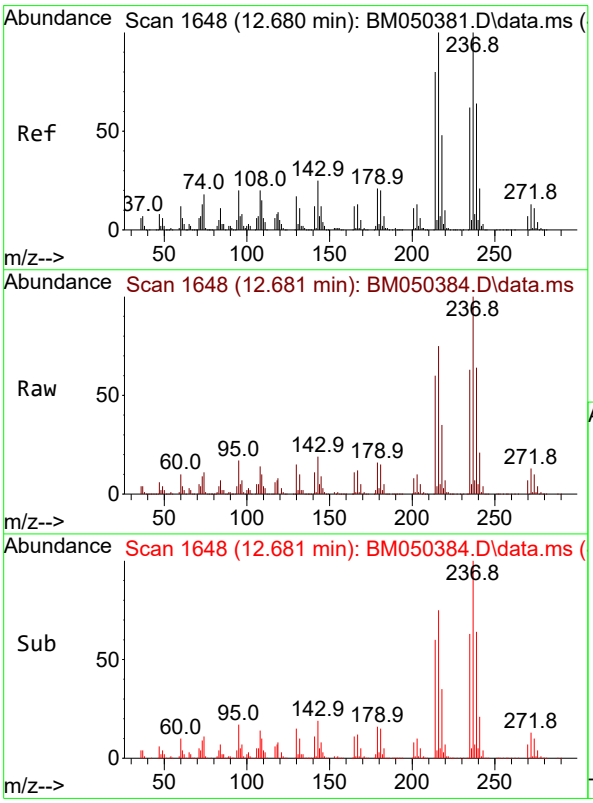

#40
1,2,4,5-Tetrachlorobenzene
Concen: 85.112 ng
RT: 12.692 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:216 Resp: 2824950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.9 | 63.3 | 94.9 |
| 179 | 20.0 | 16.4 | 24.6 |
| 108 | 15.9 | 13.9 | 20.9 |

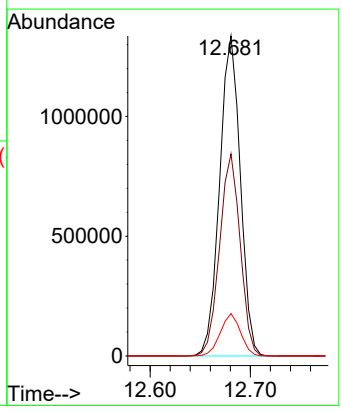


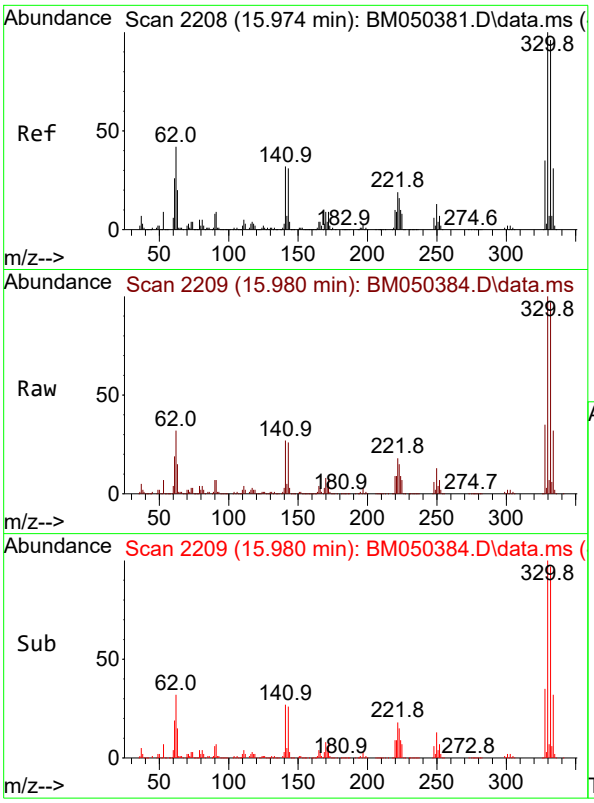




#41
Hexachlorocyclopentadiene
Concen: 90.239 ng
RT: 12.681 min Scan# 1648
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:237 Resp: 1914528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.1 | 42.3 | 82.3 |
| 272 | 13.2 | 0.0 | 33.0 |



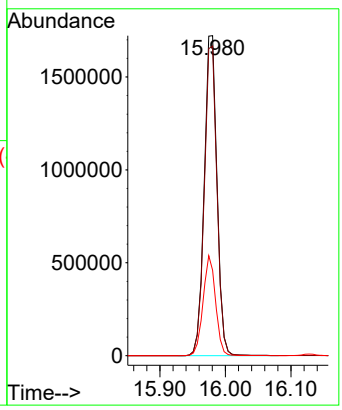


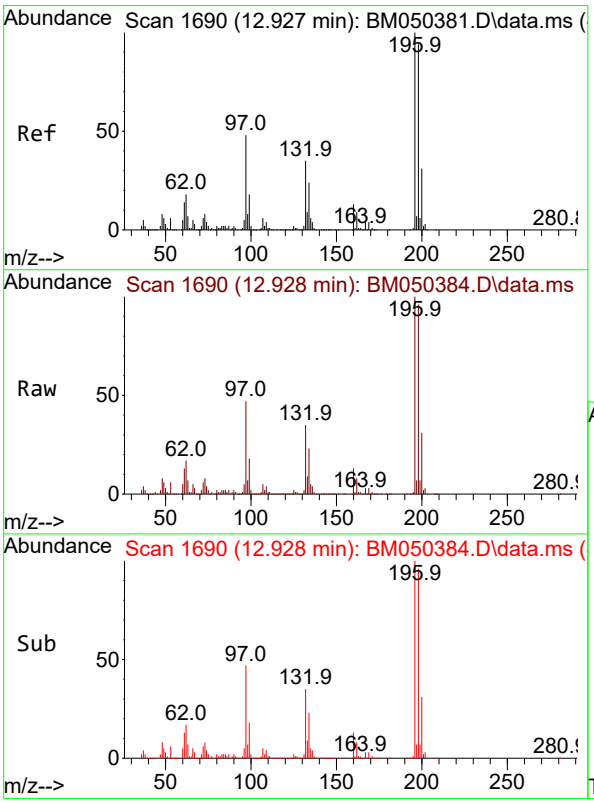

#42
2,4,6-Tribromophenol
Concen: 184.182 ng
RT: 15.980 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:330 Resp: 2335664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 76.9 | 115.3 |
| 141 | 30.7 | 27.4 | 41.0 |

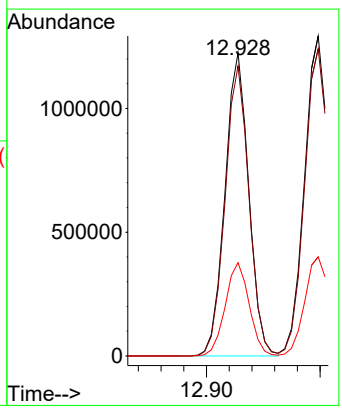


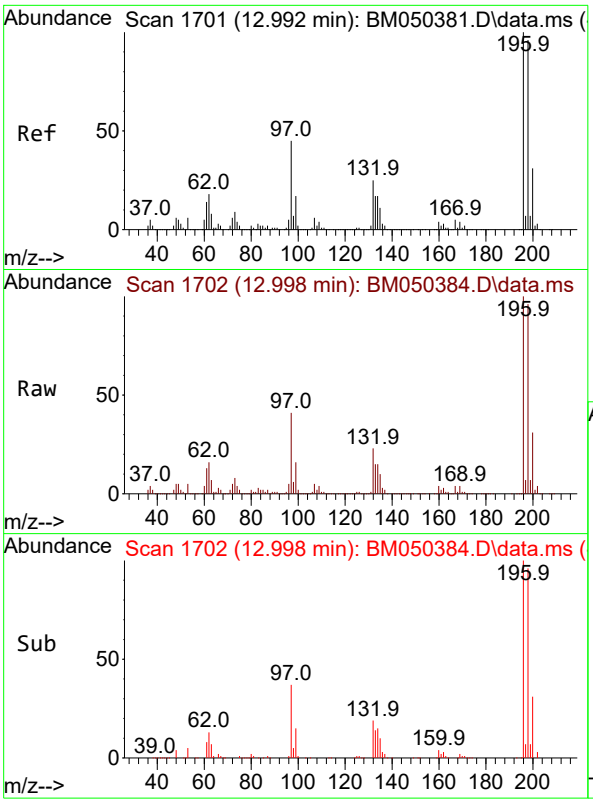




#43
2,4,6-Trichlorophenol
Concen: 87.263 ng
RT: 12.928 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:196 Resp: 1782842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.6 | 75.1 | 112.7 |
| 200 | 30.8 | 24.6 | 37.0 |



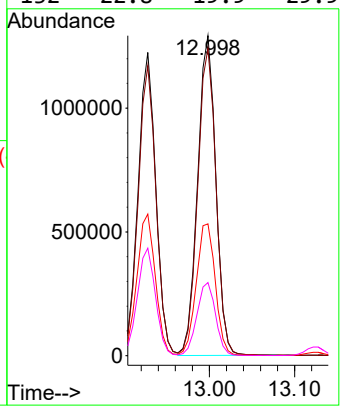


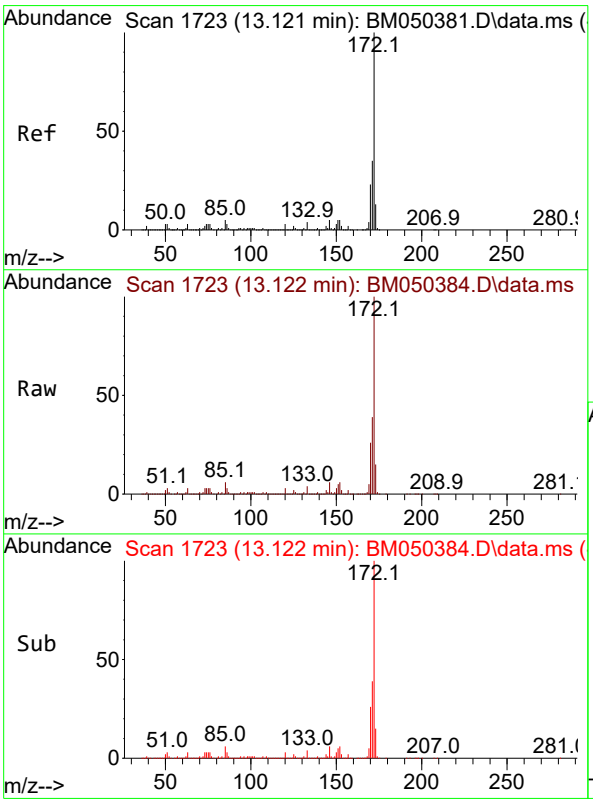

#44
2,4,5-Trichlorophenol
Concen: 86.021 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:196 Resp: 1919360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.0 | 77.2 | 115.8 |
| 97 | 41.2 | 36.2 | 54.4 |
| 132 | 22.8 | 19.9 | 29.9 |

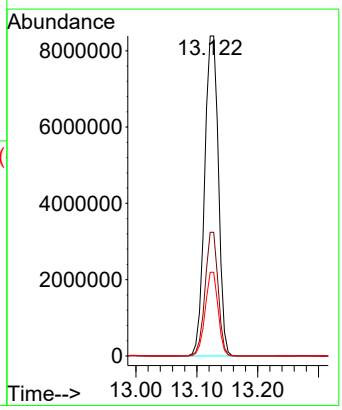


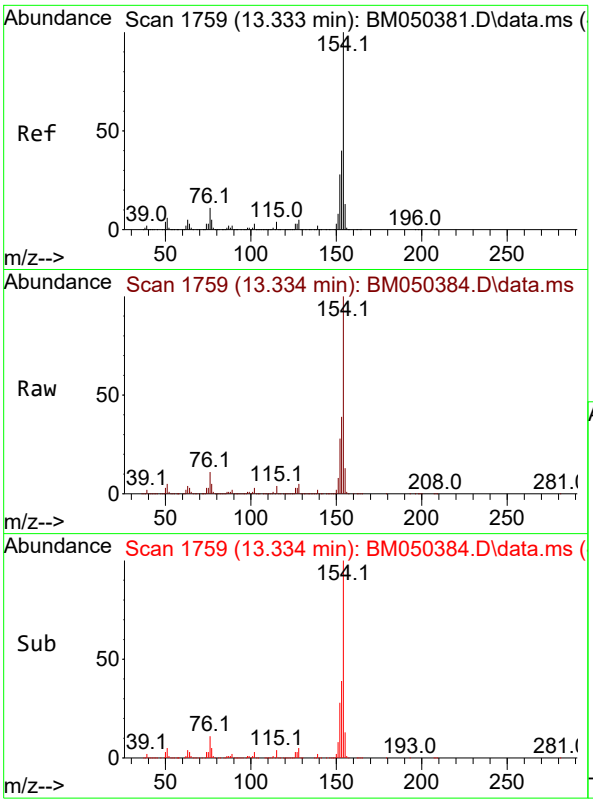




#45
2-Fluorobiphenyl
Concen: 155.576 ng
RT: 13.122 min Scan# 1723
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:172 Resp:13148691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.6 | 27.7 | 41.5 |
| 170 | 26.2 | 18.8 | 28.2 |



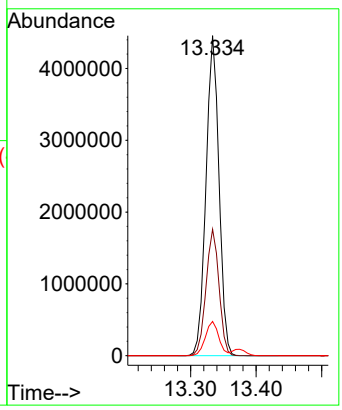


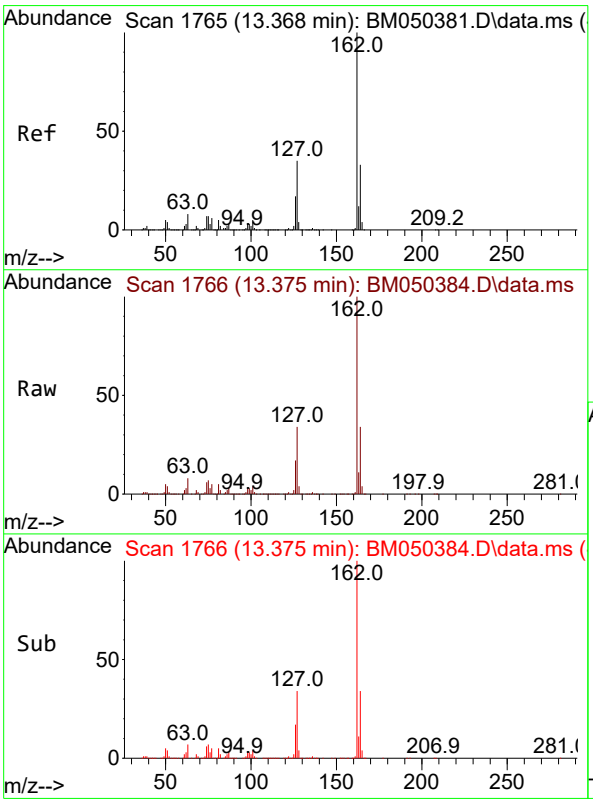

#46
1,1'-Biphenyl
Concen: 79.310 ng
RT: 13.334 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:154 Resp: 6141549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.5 | 19.7 | 59.7 |
| 76 | 10.7 | 0.0 | 30.9 |

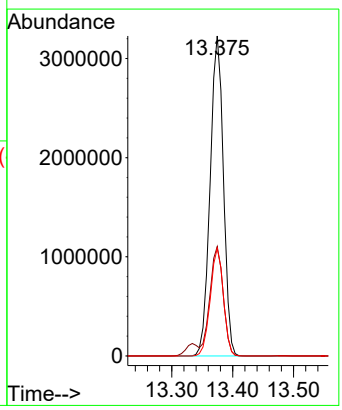


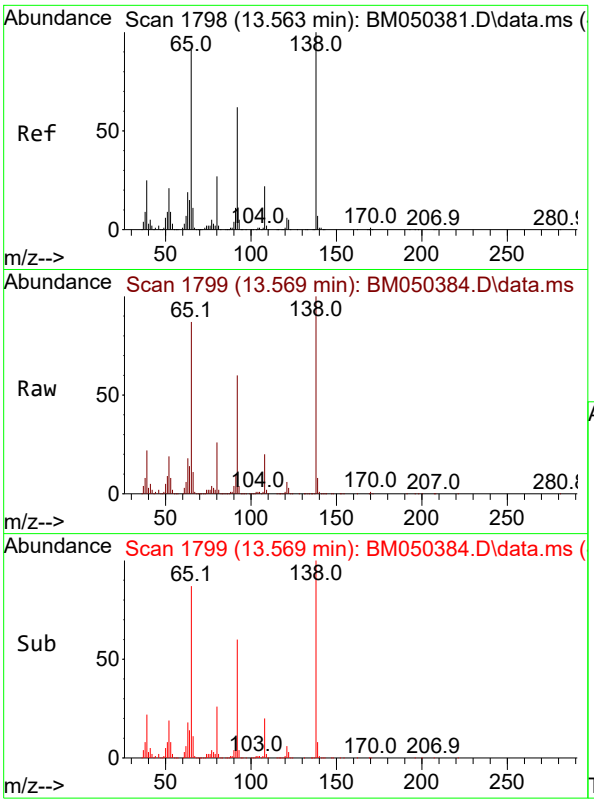




#47
2-Chloronaphthalene
Concen: 79.196 ng
RT: 13.375 min Scan# 1766
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:162 Resp: 4889665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 34.2 | 28.3 | 42.5 |
| 164 | 33.6 | 26.6 | 40.0 |



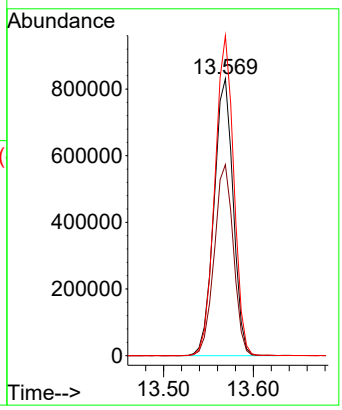


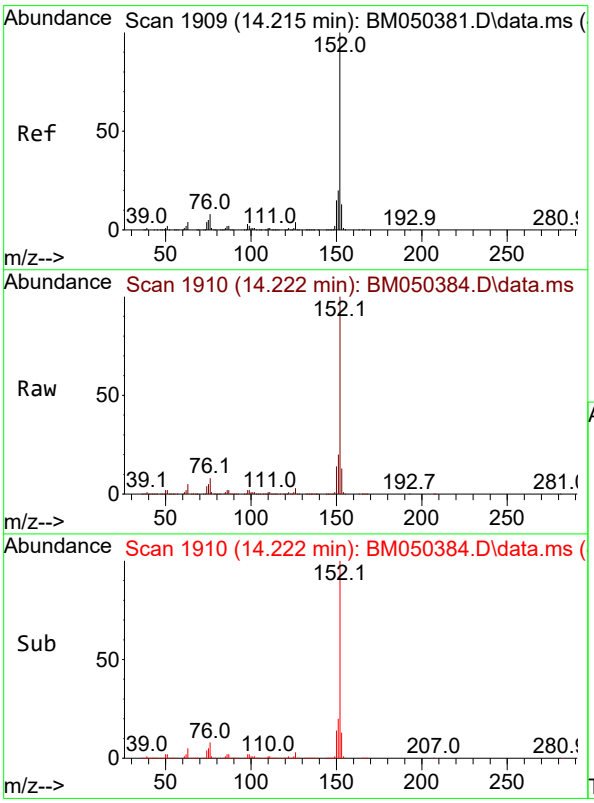

#48
2-Nitroaniline
Concen: 89.485 ng
RT: 13.569 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion: 65 Resp: 1233222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 68.9 | 54.3 | 81.5 |
| 138 | 115.5 | 87.8 | 131.6 |

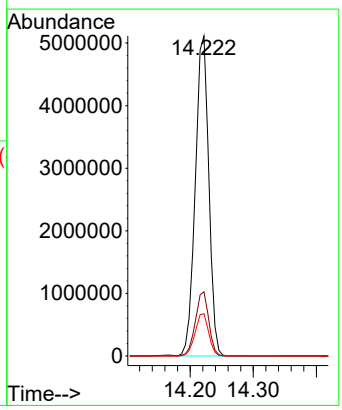


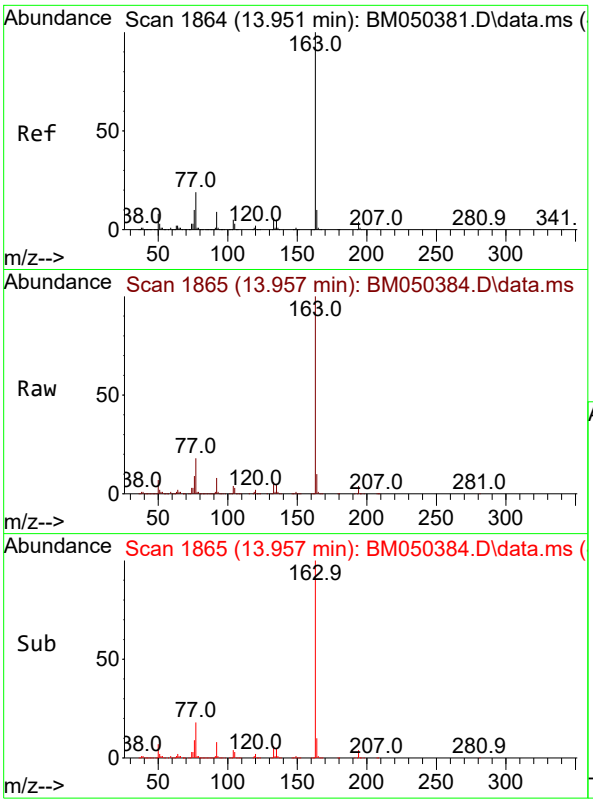




#49
Acenaphthylene
Concen: 81.019 ng
RT: 14.222 min Scan# 1910
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:152 Resp: 7559726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.3 | 24.5 |
| 153 | 13.2 | 10.6 | 15.8 |



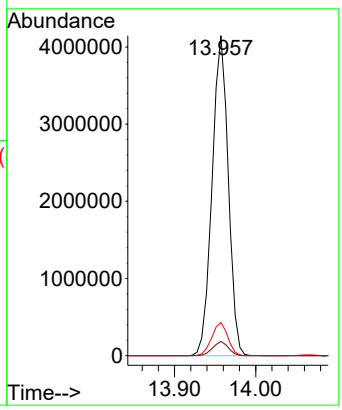


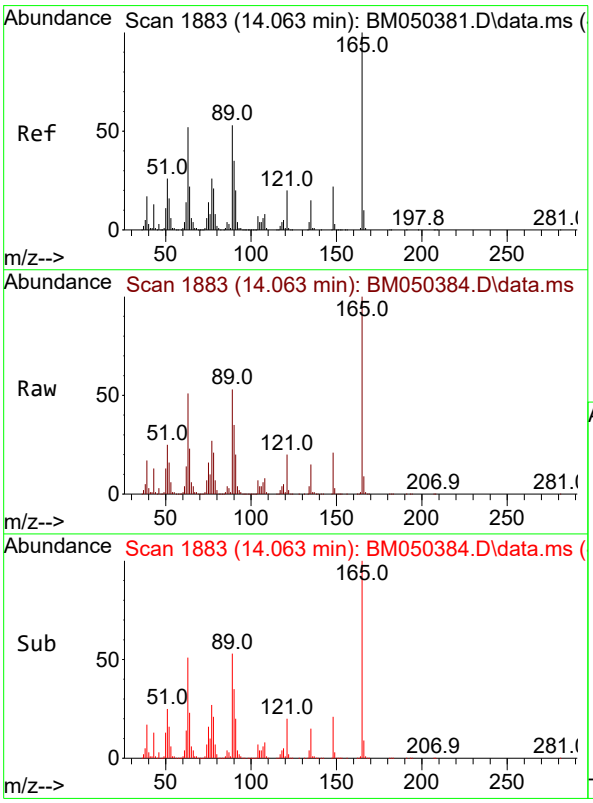

#50
Dimethylphthalate
Concen: 79.779 ng
RT: 13.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:163 Resp: 5732691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.4 | 5.2 |
| 164 | 10.4 | 8.2 | 12.2 |

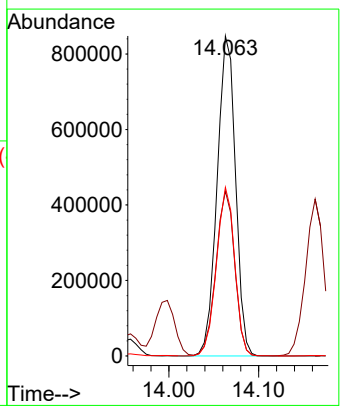


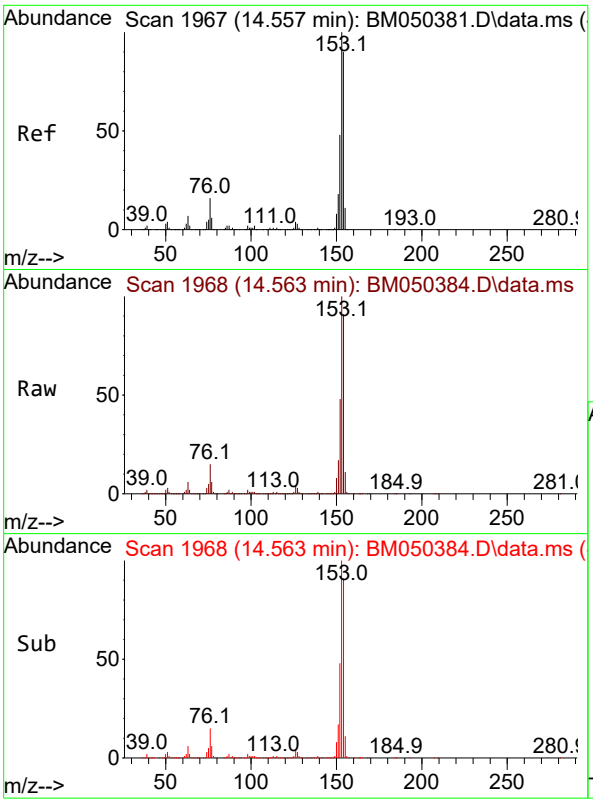




#51
2,6-Dinitrotoluene
Concen: 87.496 ng
RT: 14.063 min Scan# 1883
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:165 Resp: 1207179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 51.5 | 42.4 | 63.6 |
| 89 | 52.7 | 42.2 | 63.2 |



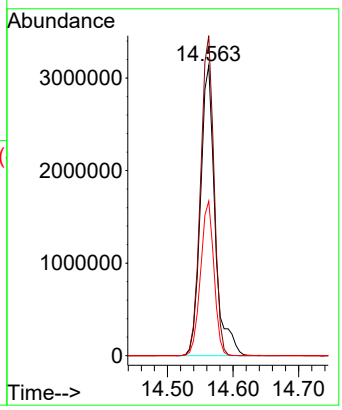


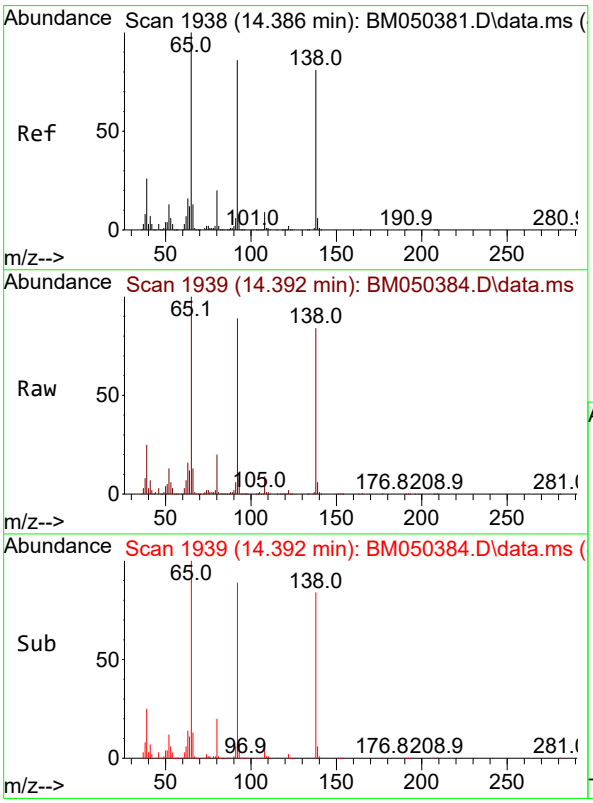

#52
Acenaphthene
Concen: 81.486 ng
RT: 14.563 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:154 Resp: 4833886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.3 | 89.2 | 133.8 |
| 152 | 53.3 | 42.6 | 64.0 |

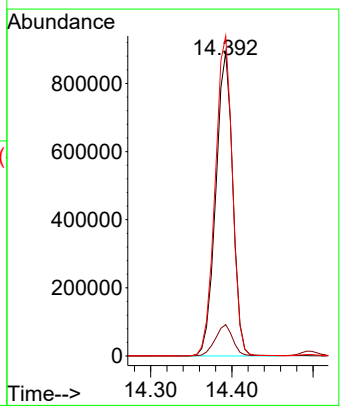


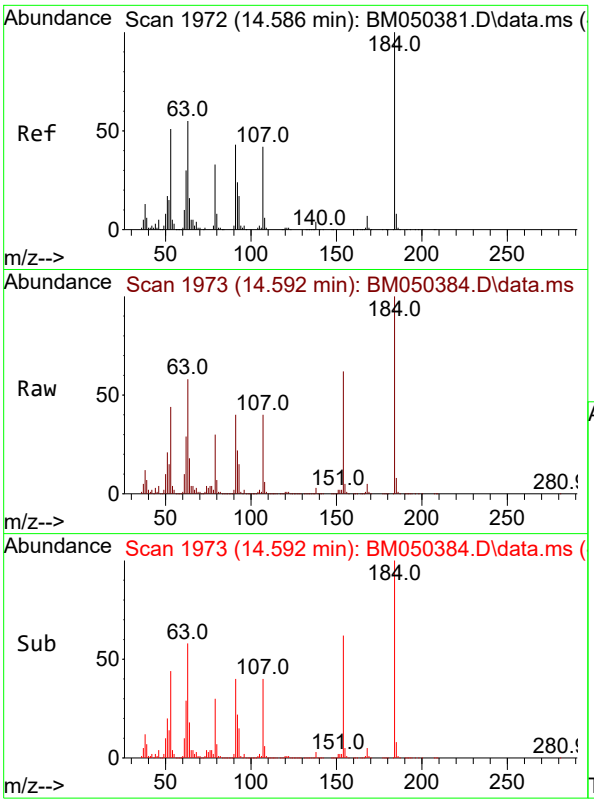




#53
3-Nitroaniline
Concen: 88.444 ng
RT: 14.392 min Scan# 1939
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:138 Resp: 1297724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.3 | 8.8 | 13.2 |
| 92 | 105.4 | 85.0 | 127.6 |



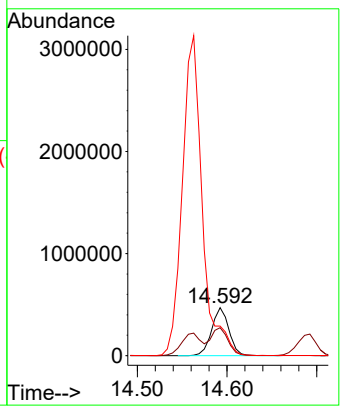


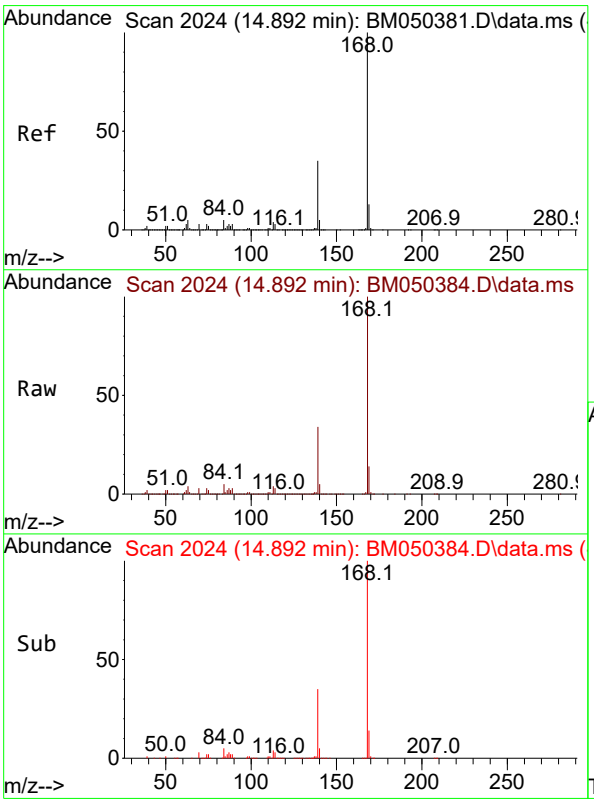

#54
2,4-Dinitrophenol
Concen: 82.116 ng
RT: 14.592 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:184 Resp: 626569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 58.4 | 53.4 | 80.0 |
| 154 | 61.7 | 61.6 | 92.4 |

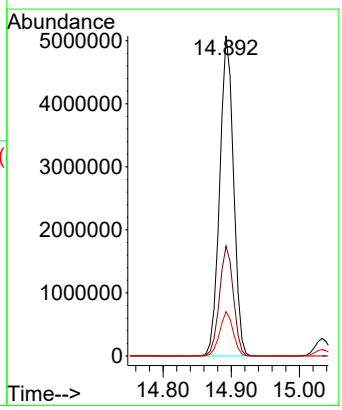


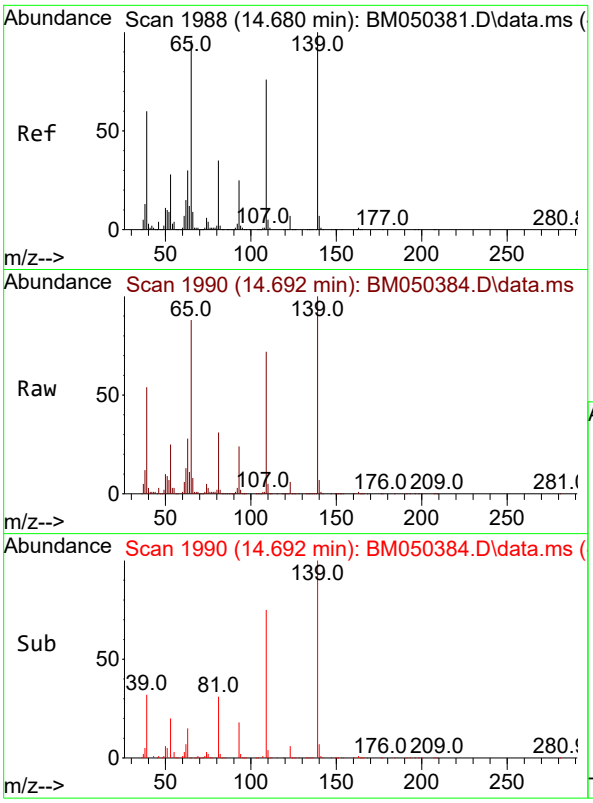




#55
Dibenzofuran
Concen: 78.152 ng
RT: 14.892 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:168 Resp: 7143343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 34.4 | 27.7 | 41.5 |
| 169 | 13.8 | 10.7 | 16.1 |



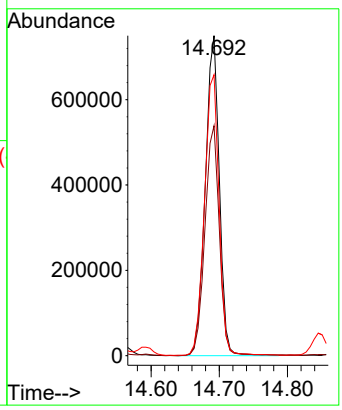


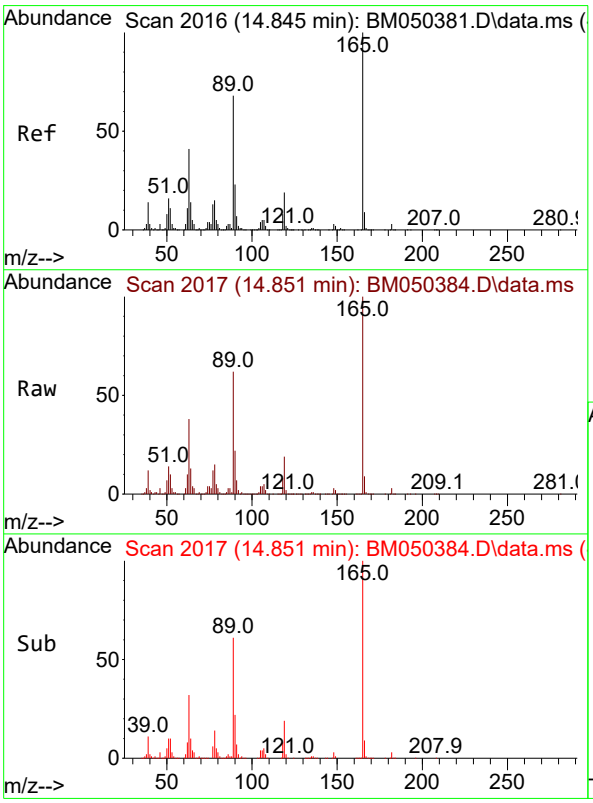

#56
4-Nitrophenol
Concen: 85.262 ng
RT: 14.692 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:139 Resp: 1075848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 71.9 | 56.5 | 96.5 |
| 65 | 87.8 | 76.4 | 116.4 |

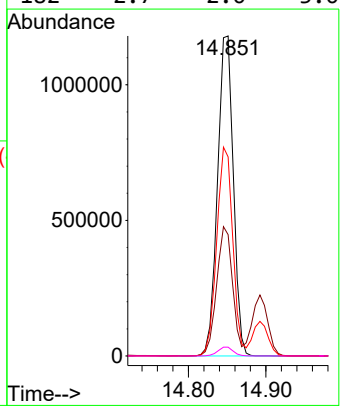


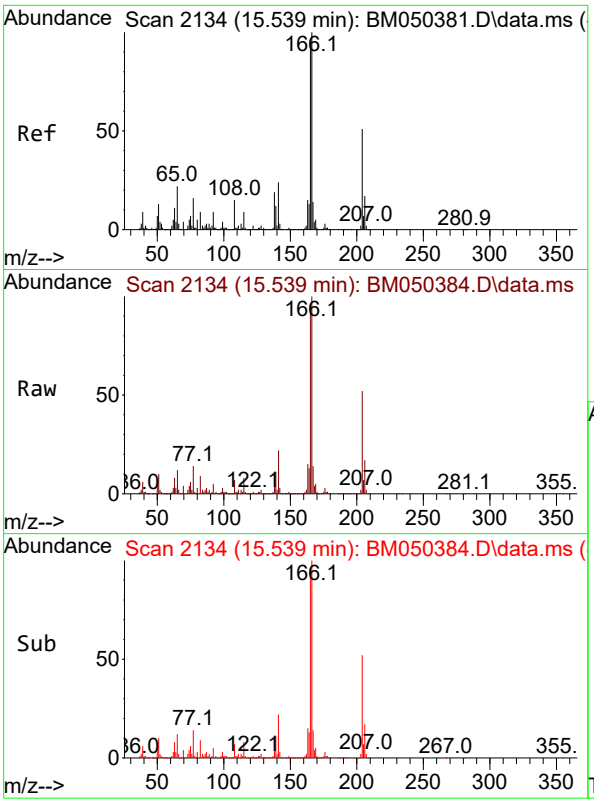




#57
2,4-Dinitrotoluene
Concen: 79.189 ng
RT: 14.851 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:165 Resp: 1674329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 37.9 | 32.5 | 48.7 |
| 89 | 62.2 | 54.0 | 81.0 |
| 182 | 2.7 | 2.0 | 3.0 |



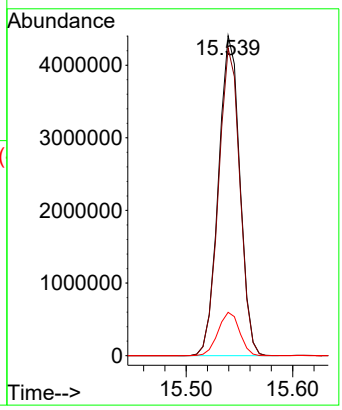


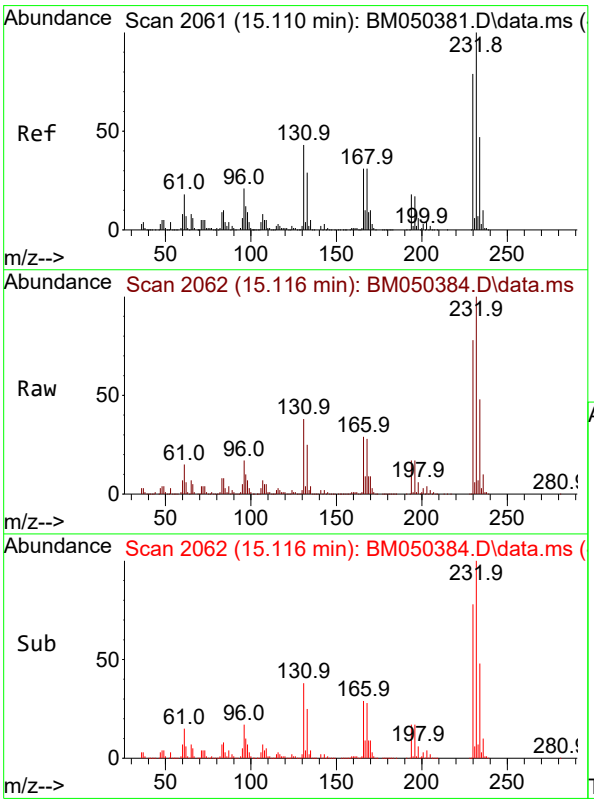

#58
Fluorene
Concen: 81.530 ng
RT: 15.539 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:166 Resp: 6138107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.1 | 77.0 | 115.6 |
| 167 | 13.6 | 10.9 | 16.3 |

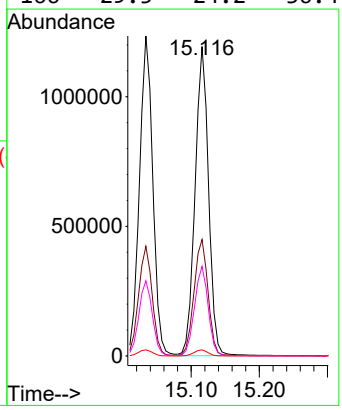


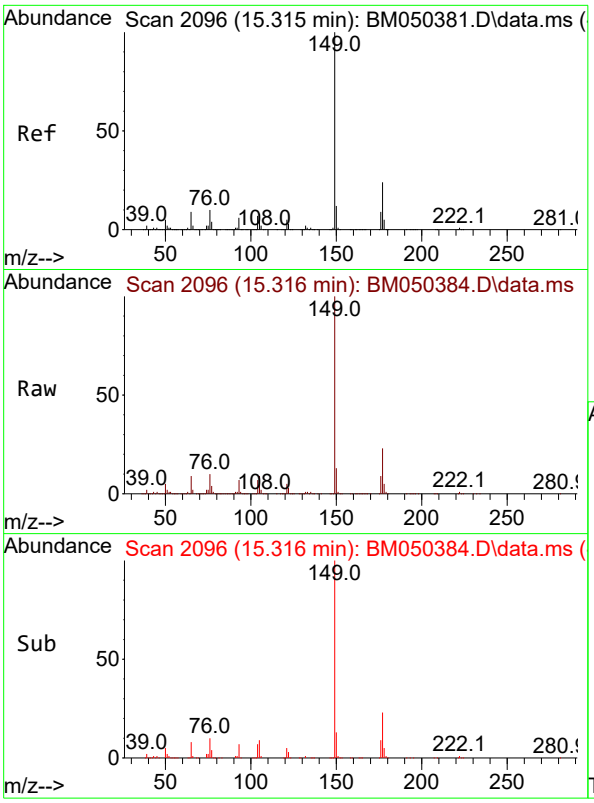




#59
2,3,4,6-Tetrachlorophenol
Concen: 87.136 ng
RT: 15.116 min Scan# 2062
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:232 Resp: 1636646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 39.2 | 33.4 | 50.0 |
| 130 | 2.1 | 1.8 | 2.6 |
| 166 | 29.5 | 24.2 | 36.4 |



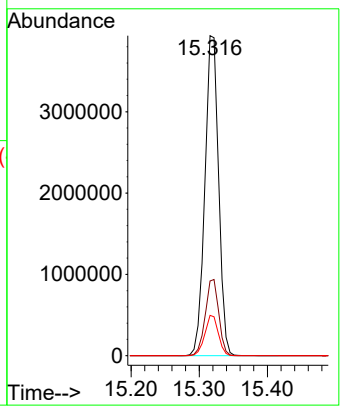


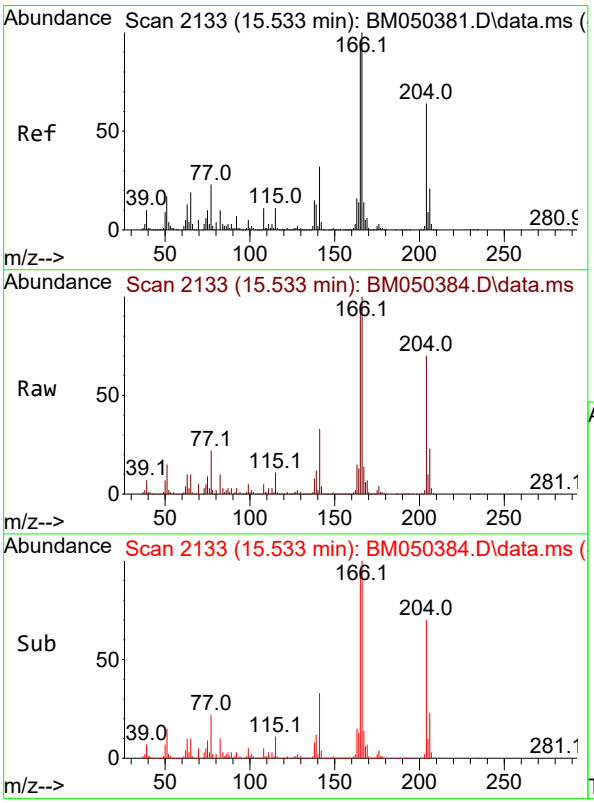

#60
Diethylphthalate
Concen: 80.291 ng
RT: 15.316 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 5511226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.4 | 18.8 | 28.2 |
| 150 | 12.6 | 9.8 | 14.8 |

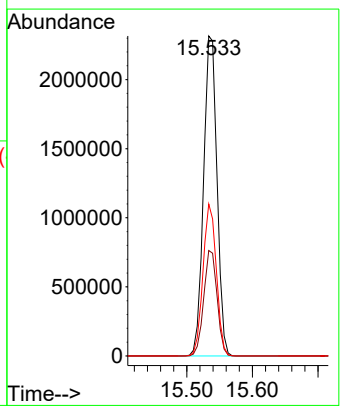


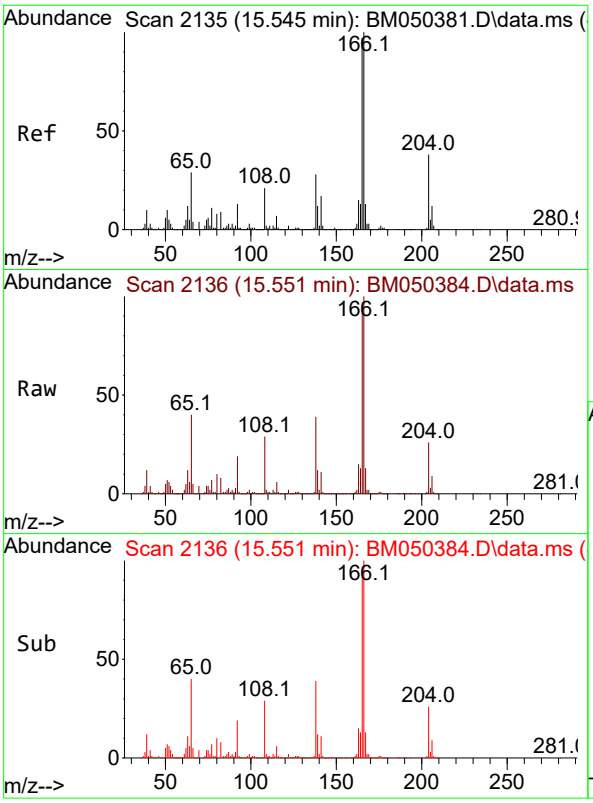




#61
4-Chlorophenyl-phenylether
Concen: 83.798 ng
RT: 15.533 min Scan# 2133
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:204 Resp: 3298863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.0 | 26.6 | 39.8 |
| 141 | 47.5 | 39.9 | 59.9 |



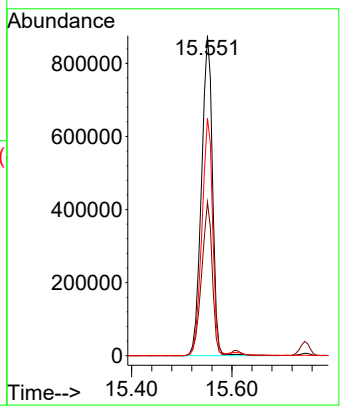


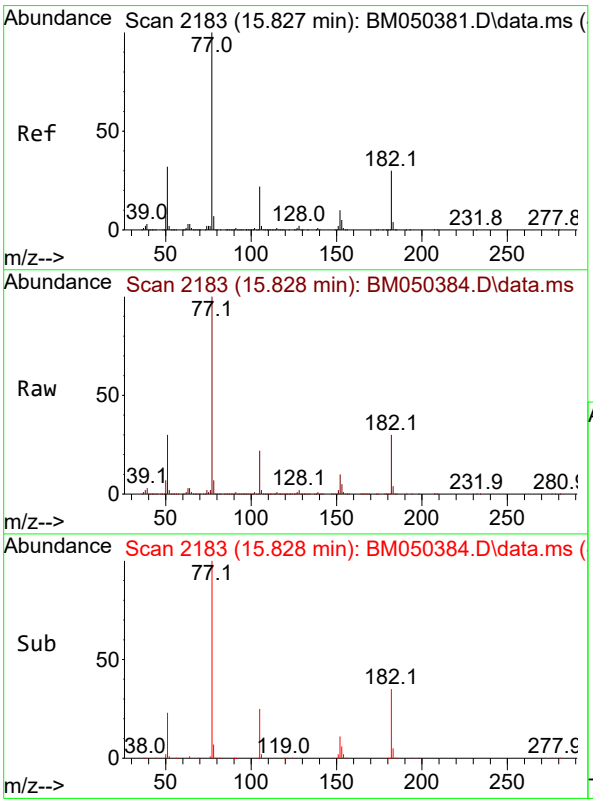

#62
4-Nitroaniline
Concen: 77.536 ng
RT: 15.551 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:138 Resp: 1336300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 48.0 | 24.5 | 64.5 |
| 108 | 74.2 | 52.5 | 92.5 |

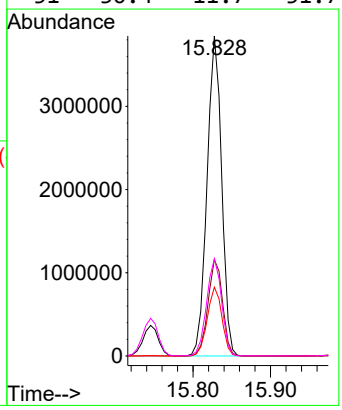


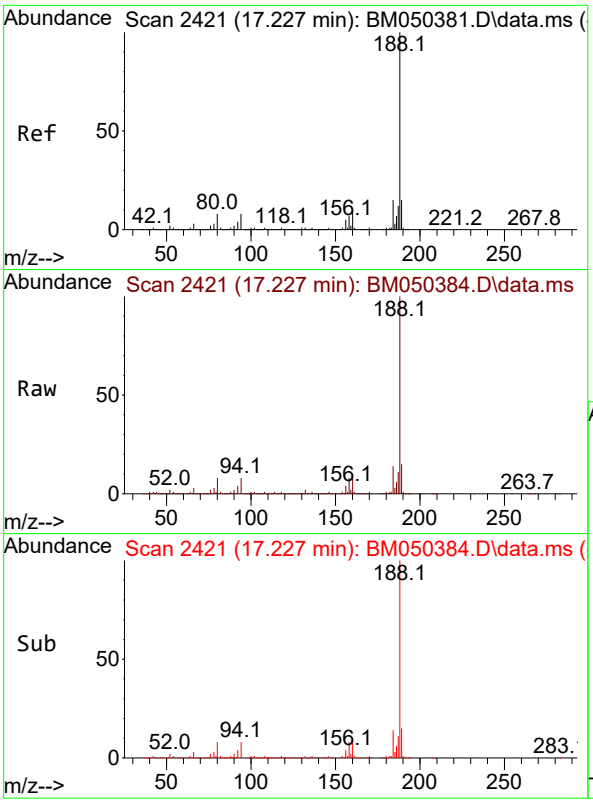




#63
Azobenzene
Concen: 79.741 ng
RT: 15.828 min Scan# 2183
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion: 77 Resp: 5026045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 30.1 | 10.0 | 50.0 |
| 105 | 21.5 | 2.0 | 42.0 |
| 51 | 30.4 | 11.7 | 51.7 |



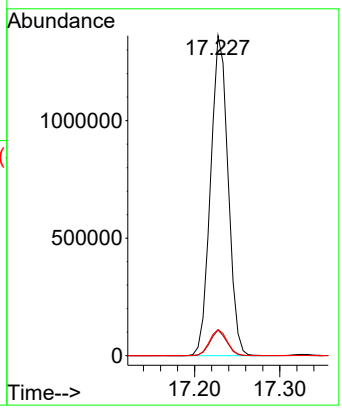


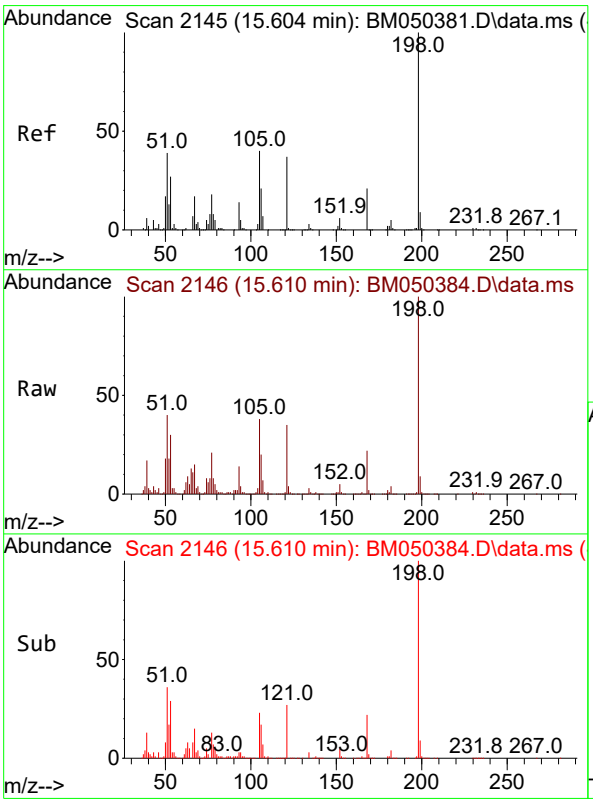

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:188 Resp: 1944455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.1 | 6.0 | 9.0 |
| 80 | 8.1 | 6.5 | 9.7 |

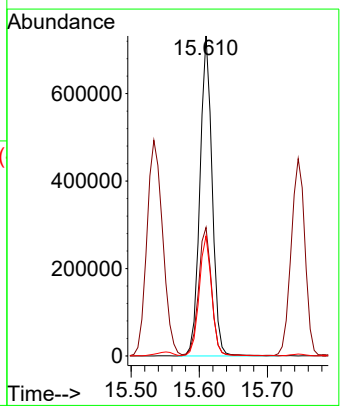


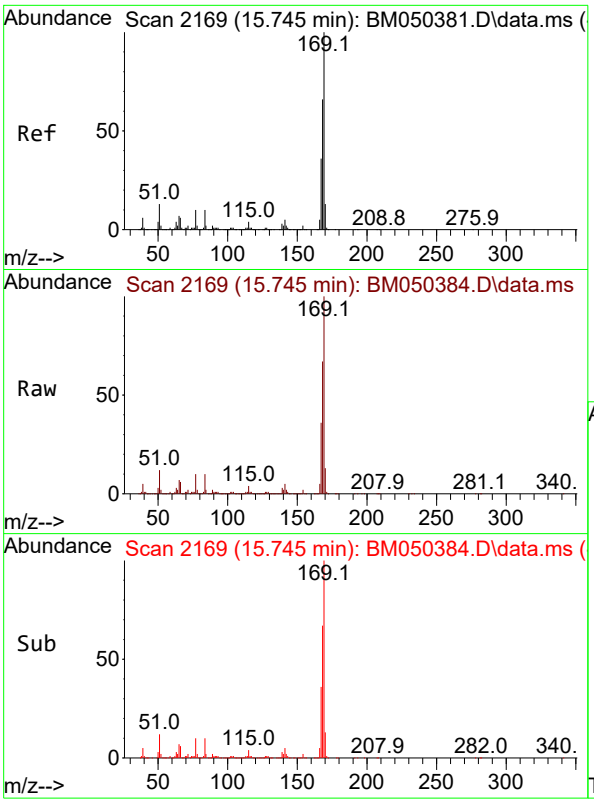




#65
4,6-Dinitro-2-methylphenol
Concen: 82.140 ng
RT: 15.610 min Scan# 2146
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:198 Resp: 912781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 40.1 | 26.6 | 66.6 |
| 105 | 37.5 | 20.9 | 60.9 |



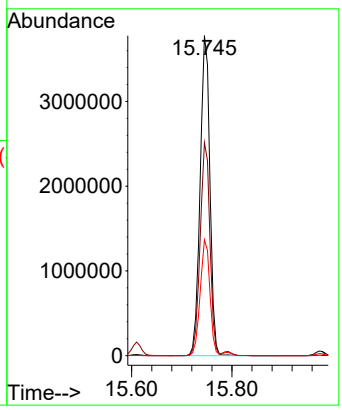


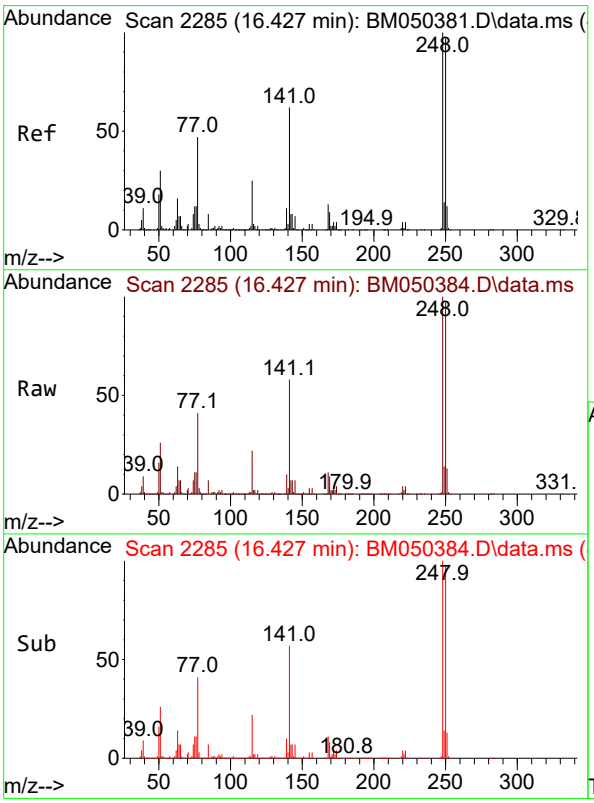

#66
n-Nitrosodiphenylamine
Concen: 83.592 ng
RT: 15.745 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:169 Resp: 5086187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.6 | 53.2 | 79.8 |
| 167 | 36.2 | 28.7 | 43.1 |

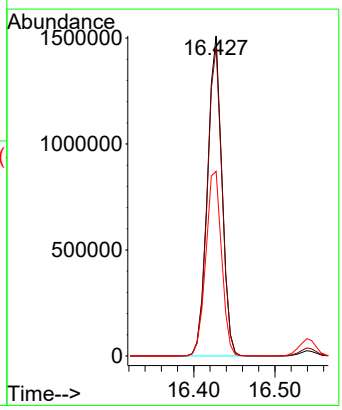


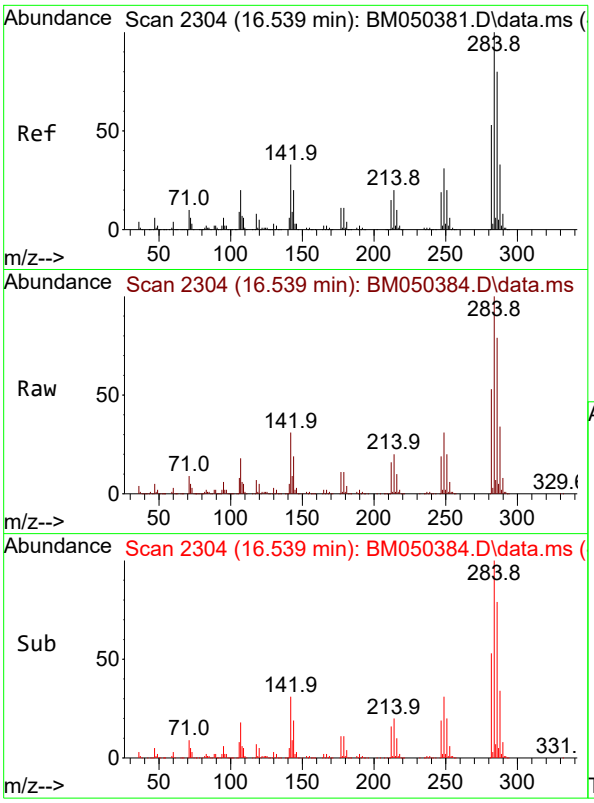




#67
4-Bromophenyl-phenylether
Concen: 87.664 ng
RT: 16.427 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:248 Resp: 1878071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.6 | 77.9 | 116.9 |
| 141 | 57.7 | 49.7 | 74.5 |



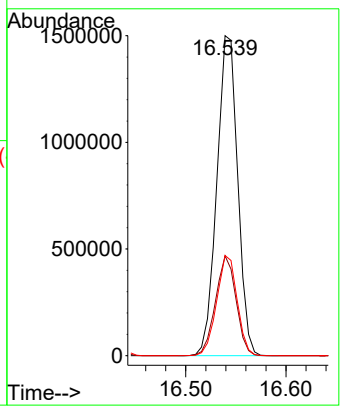


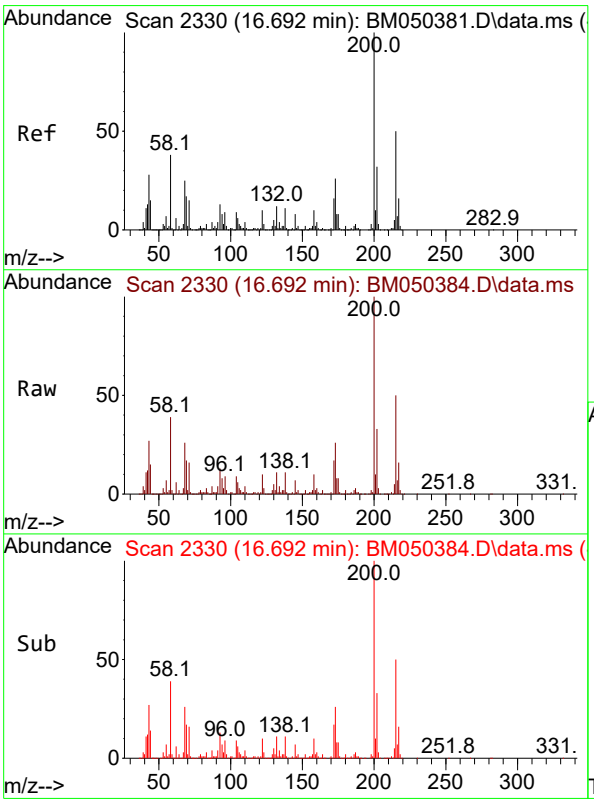

#68
Hexachlorobenzene
Concen: 85.534 ng
RT: 16.539 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:284 Resp: 2164238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.2 | 26.8 | 40.2 |
| 249 | 31.3 | 24.5 | 36.7 |

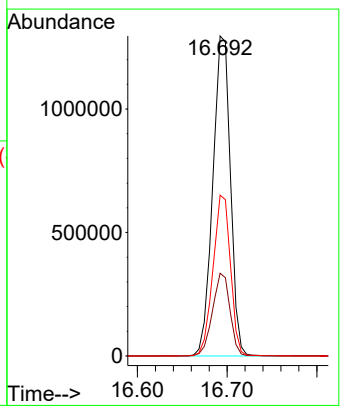


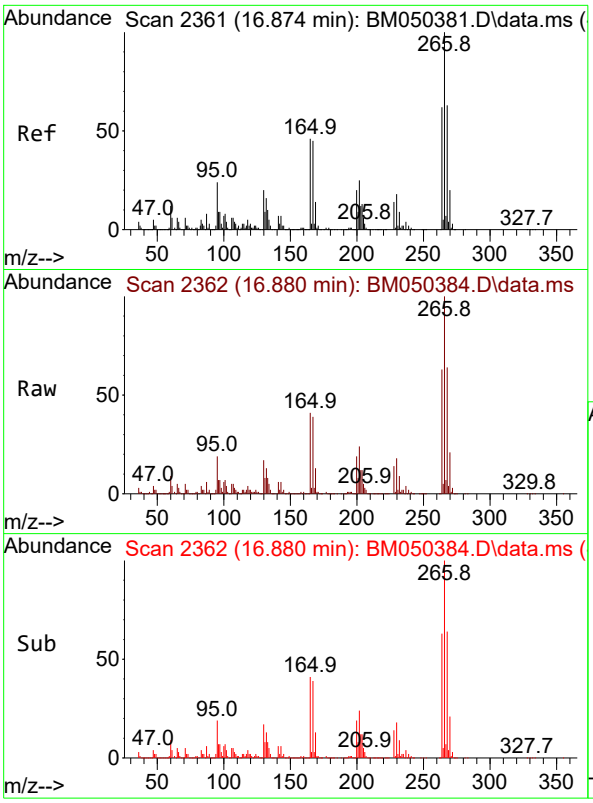




#69
Atrazine
Concen: 88.450 ng
RT: 16.692 min Scan# 2330
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:200 Resp: 1767182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.9 | 5.6 | 45.6 |
| 215 | 50.3 | 29.6 | 69.6 |



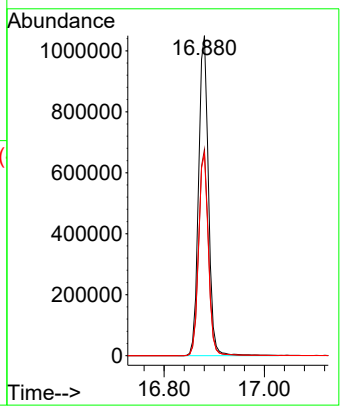


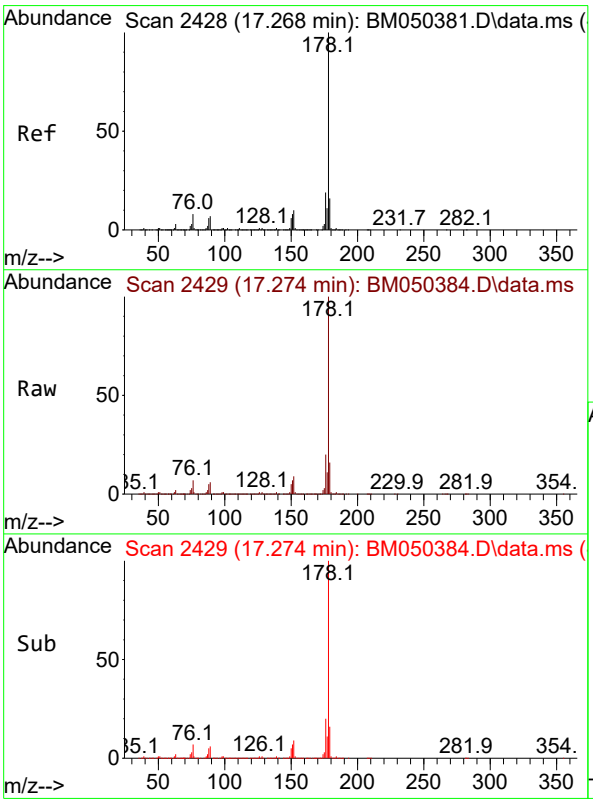

#70
Pentachlorophenol
Concen: 90.473 ng
RT: 16.880 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:266 Resp: 1425059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.4 | 50.5 | 75.7 |
| 264 | 63.1 | 49.9 | 74.9 |

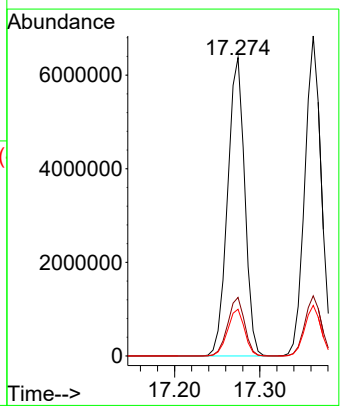


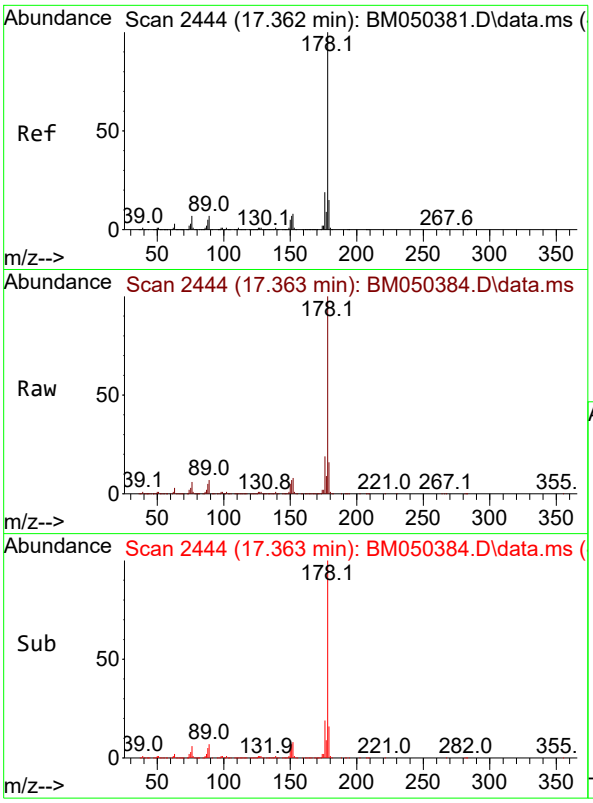




#71
Phenanthrene
Concen: 80.828 ng
RT: 17.274 min Scan# 2429
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:178 Resp: 8893346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.4 | 23.0 |
| 179 | 15.7 | 12.5 | 18.7 |



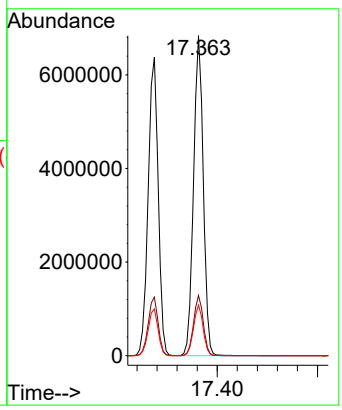


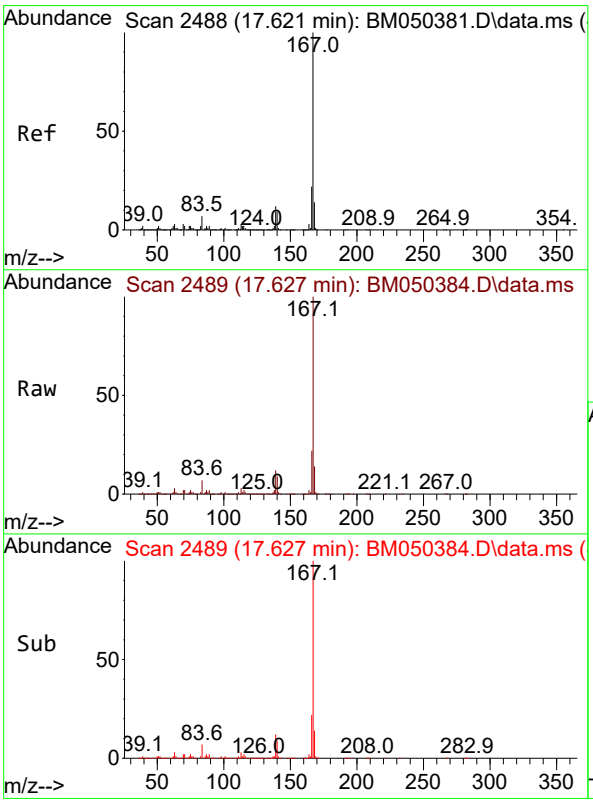

#72
Anthracene
Concen: 83.709 ng
RT: 17.363 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:178 Resp: 9167986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 14.9 | 22.3 |
| 179 | 15.8 | 12.2 | 18.4 |

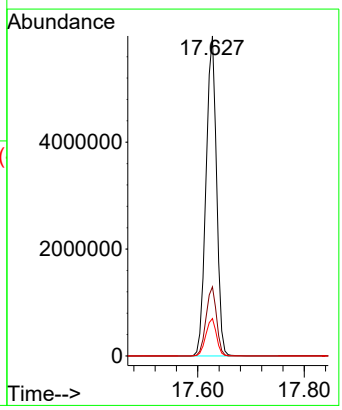


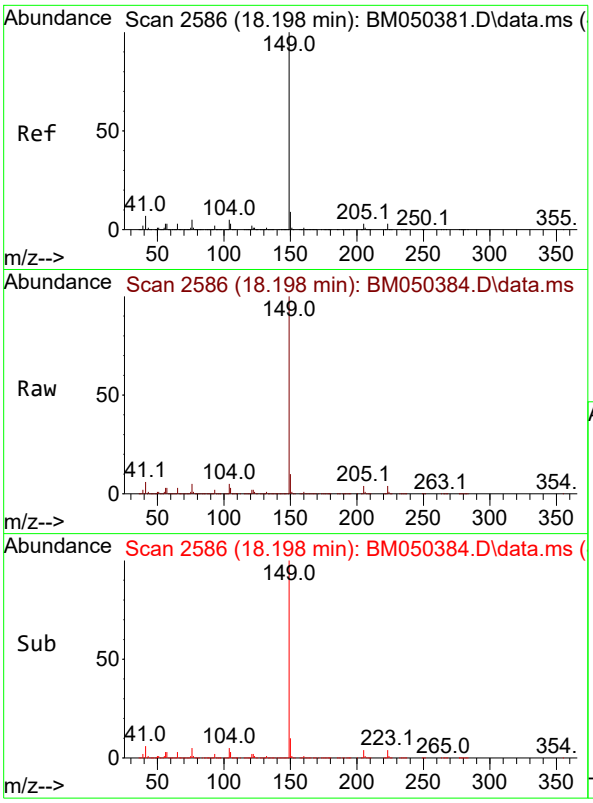




#73
Carbazole
Concen: 82.547 ng
RT: 17.627 min Scan# 2489
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:167 Resp: 8180242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.2 | 25.8 |
| 139 | 11.7 | 9.9 | 14.9 |



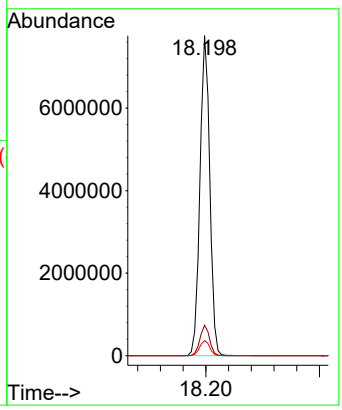


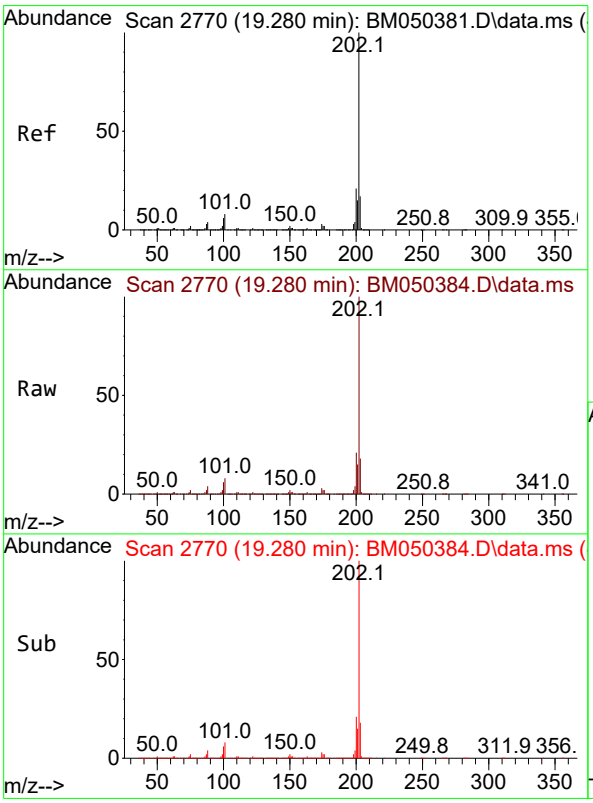

#74
Di-n-butylphthalate
Concen: 85.749 ng
RT: 18.198 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 9300935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.5 | 7.3 | 10.9 |
| 104 | 4.7 | 3.9 | 5.9 |

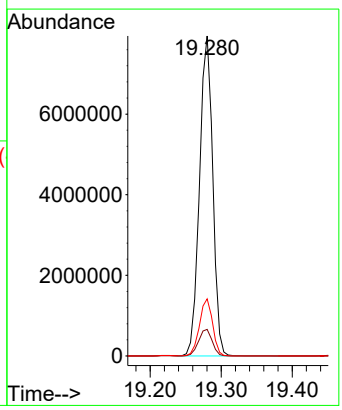


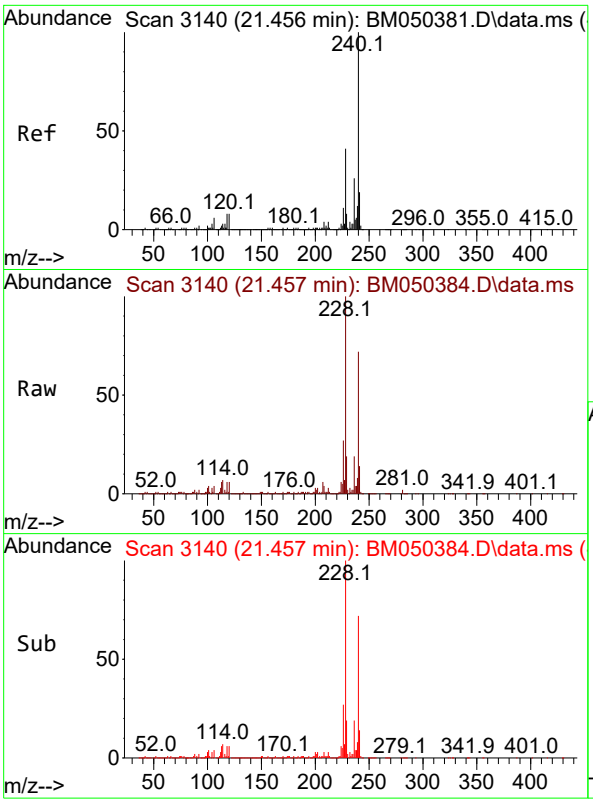




#75
Fluoranthene
Concen: 86.256 ng
RT: 19.280 min Scan# 2770
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:202 Resp:10317307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.3 | 0.0 | 28.3 |
| 203 | 17.9 | 0.0 | 37.2 |



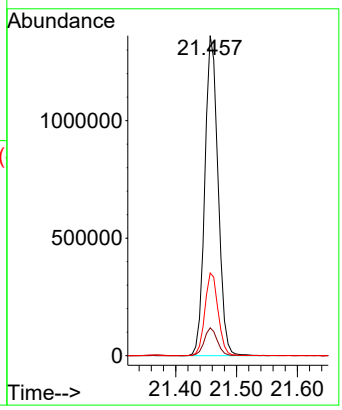


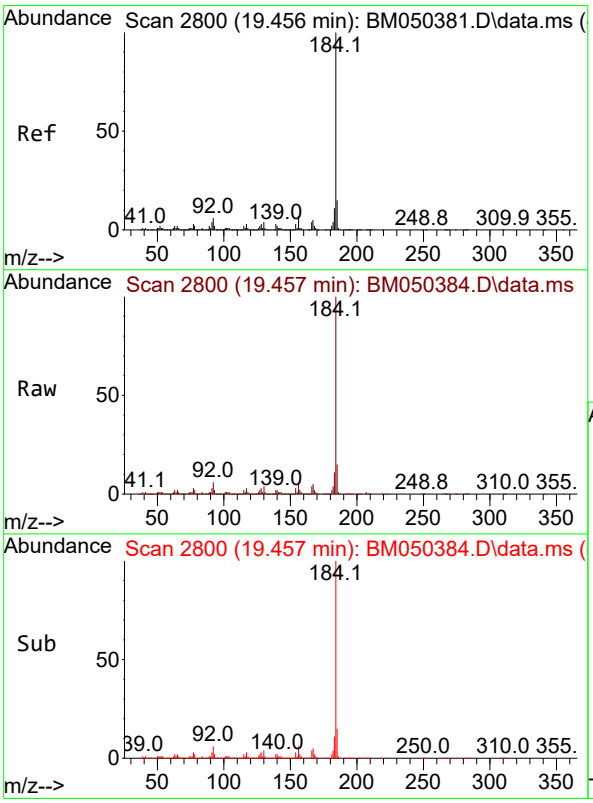

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.457 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:240 Resp: 2055292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.7 | 6.7 | 10.1 |
| 236 | 25.8 | 20.7 | 31.1 |

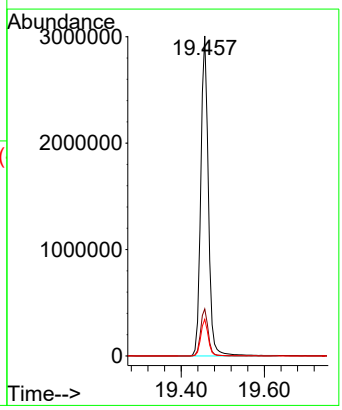


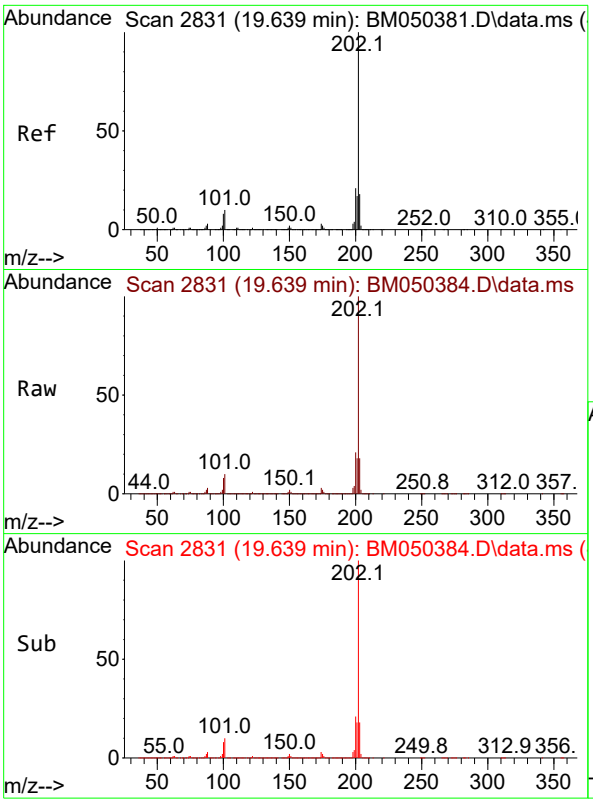




#77
Benzidine
Concen: 72.819 ng
RT: 19.457 min Scan# 2800
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:184 Resp: 3817410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 11.7 | 17.5 |
| 183 | 11.4 | 9.0 | 13.6 |



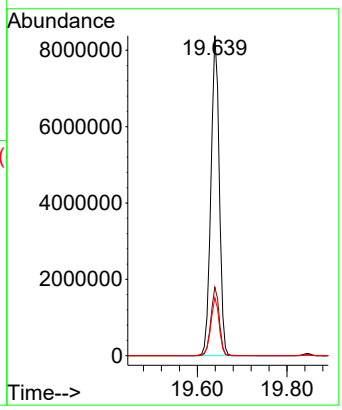


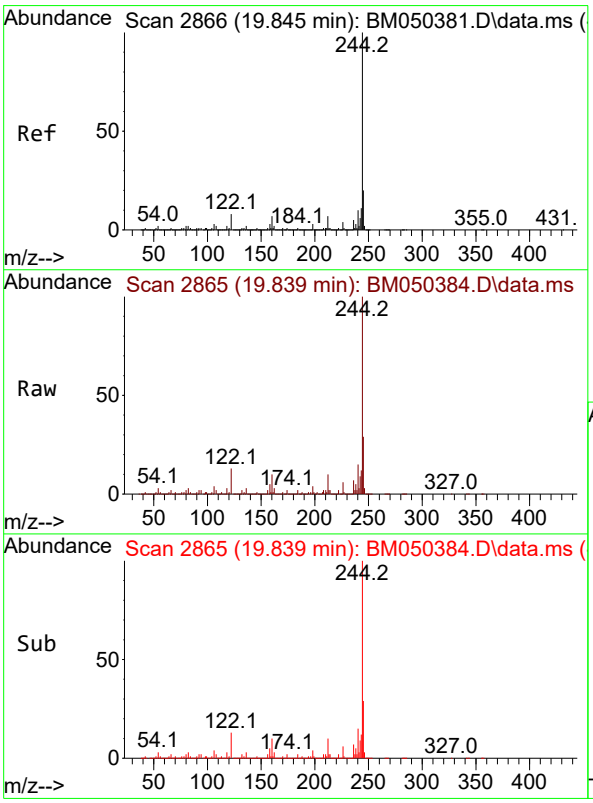

#78
Pyrene
Concen: 82.185 ng
RT: 19.639 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:202 Resp:10818153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.4 | 16.9 | 25.3 |
| 203 | 18.1 | 14.1 | 21.1 |

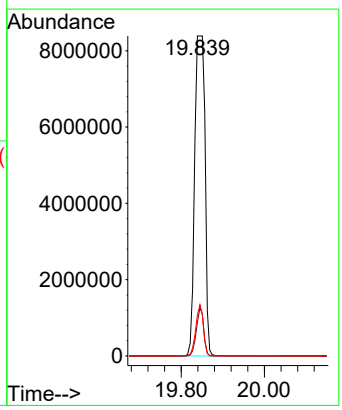


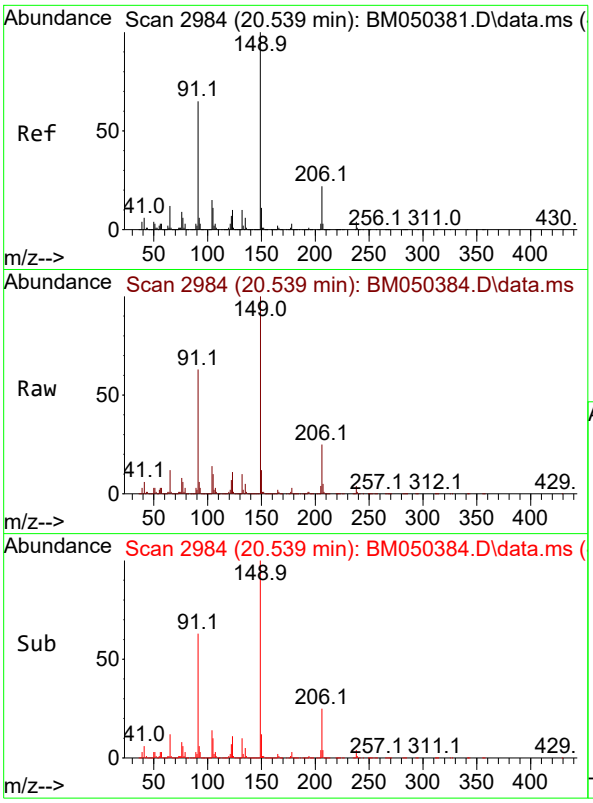




#79
Terphenyl-d14
Concen: 123.577 ng
RT: 19.839 min Scan# 2865
Delta R.T. -0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:244 Resp:14435460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 10.5 | 5.7 | 8.5# |
| 122 | 12.8 | 6.2 | 9.2# |



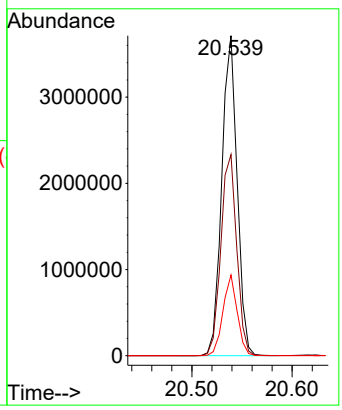


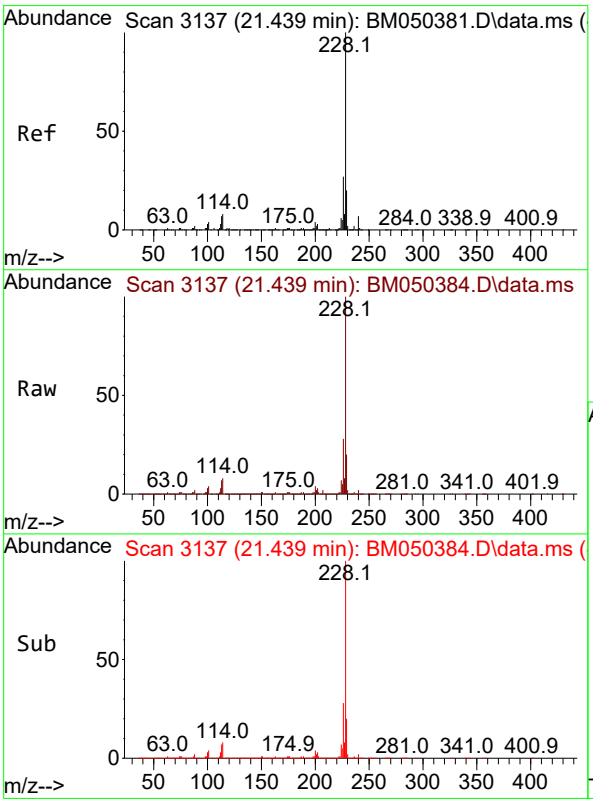

#80
Butylbenzylphthalate
Concen: 90.734 ng
RT: 20.539 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 3938114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 62.9 | 51.6 | 77.4 |
| 206 | 25.2 | 17.8 | 26.8 |

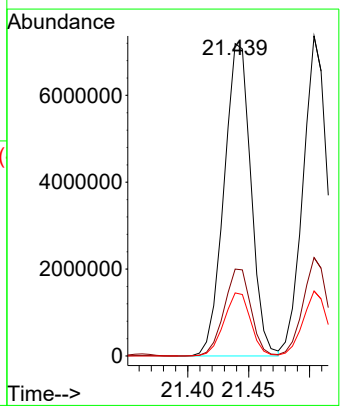


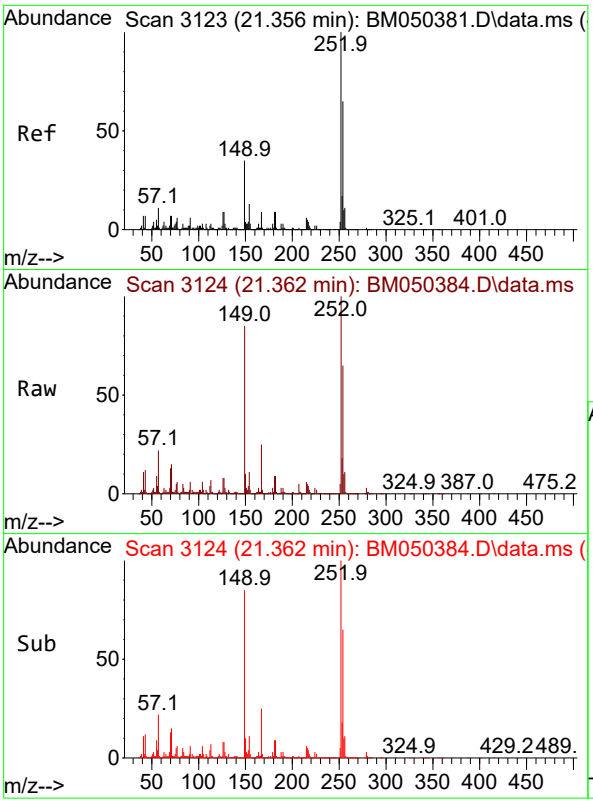




#81
Benzo(a)anthracene
Concen: 82.558 ng
RT: 21.439 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:228 Resp:11055858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.8 | 21.8 | 32.8 |
| 229 | 20.2 | 16.0 | 24.0 |



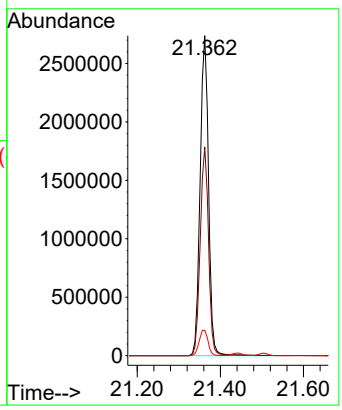


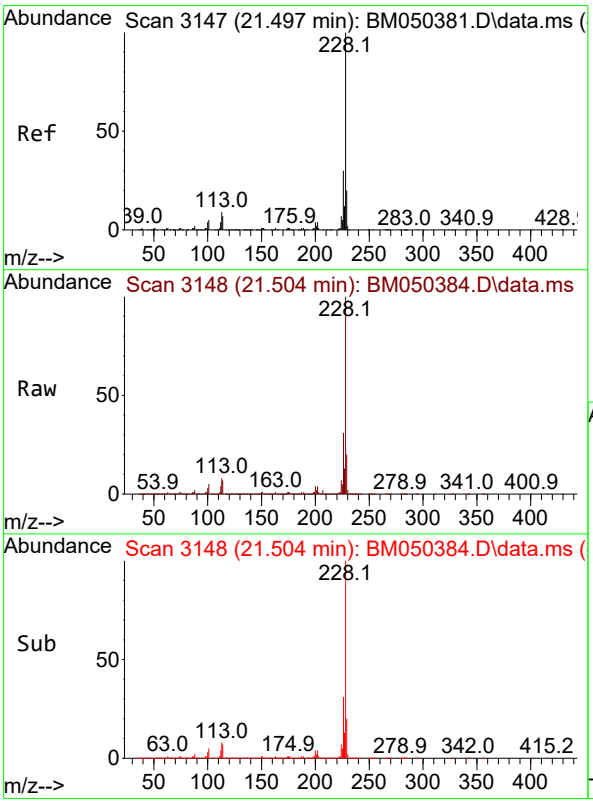

#82
3,3'-Dichlorobenzidine
Concen: 84.699 ng
RT: 21.362 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 3825108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.3 | 51.7 | 77.5 |
| 126 | 8.0 | 7.3 | 10.9 |

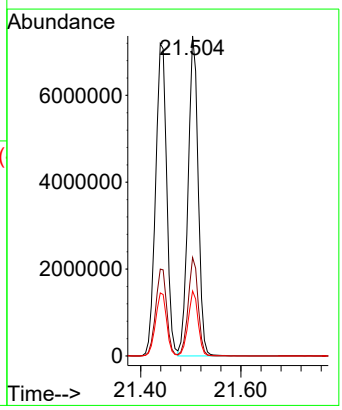


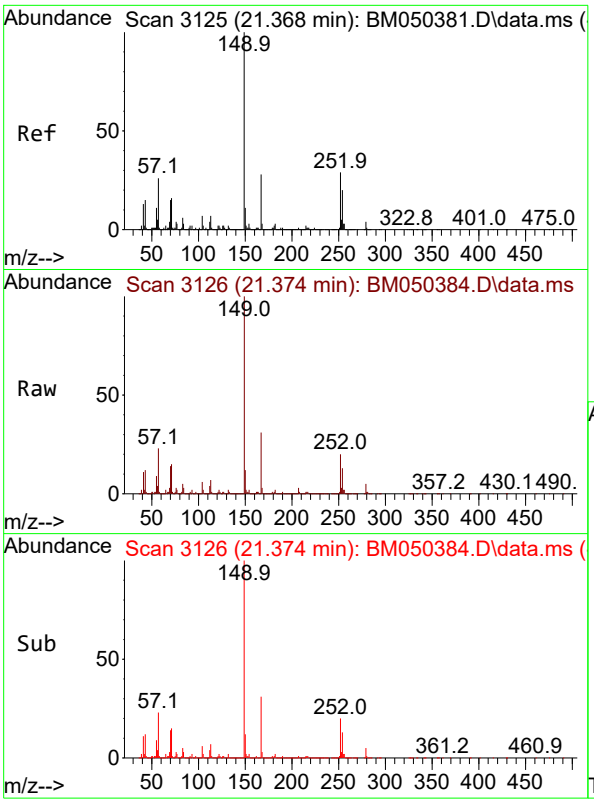




#83
Chrysene
Concen: 81.310 ng
RT: 21.504 min Scan# 3148
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:228 Resp:10270454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.8 | 24.2 | 36.4 |
| 229 | 20.3 | 15.8 | 23.6 |



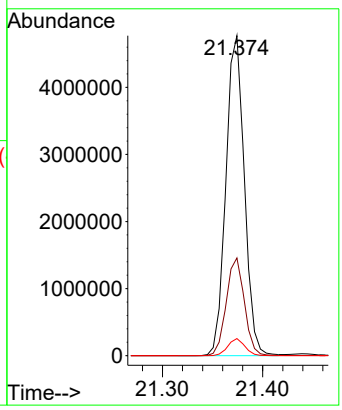


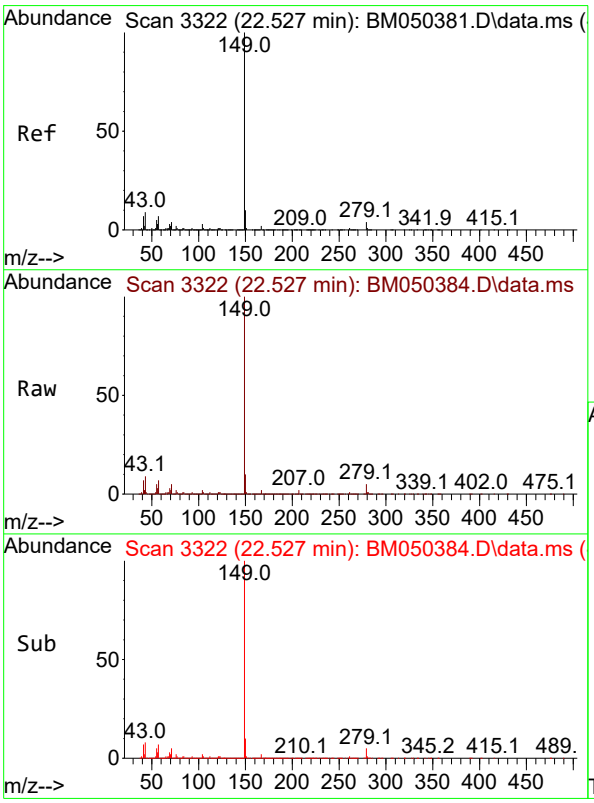

#84
Bis(2-ethylhexyl)phthalate
Concen: 88.540 ng
RT: 21.374 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 6100517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 30.5 | 22.7 | 34.1 |
| 279 | 5.4 | 3.5 | 5.3# |

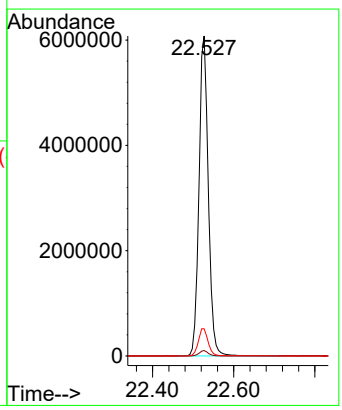


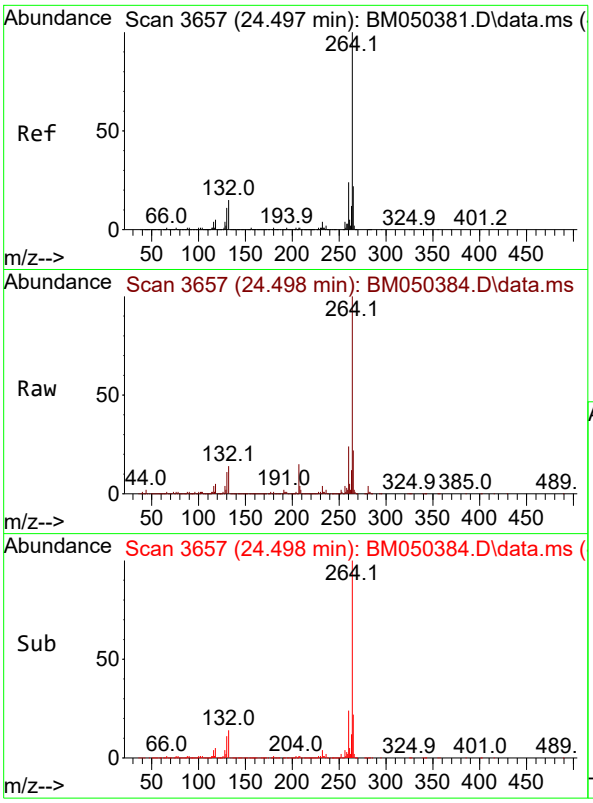




#85
Di-n-octyl phthalate
Concen: 90.093 ng
RT: 22.527 min Scan# 3322
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:149 Resp: 9722259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.0 | 7.7 | 11.5 |



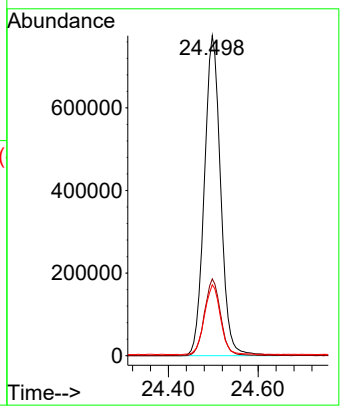


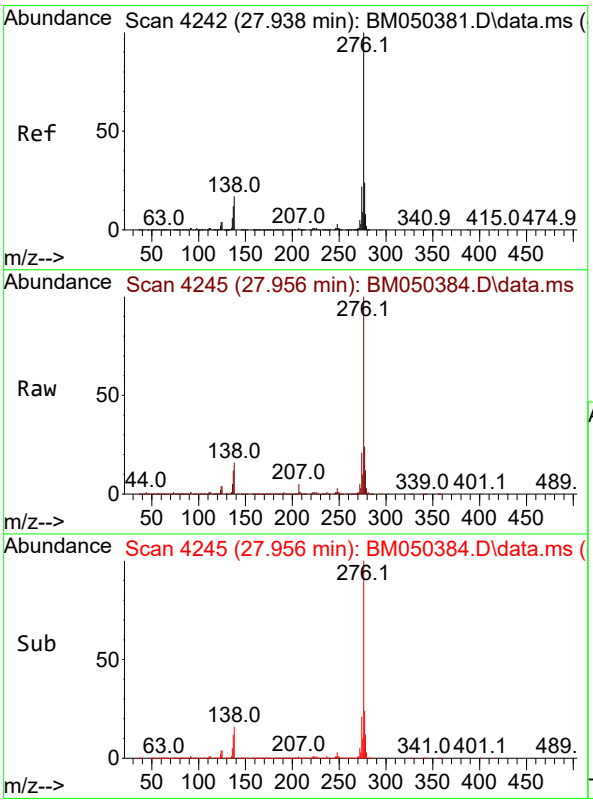

#86
Perylene-d12
Concen: 20.000 ng
RT: 24.498 min Scan# 3(
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:264 Resp: 1953481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.0 | 19.2 | 28.8 |
| 265 | 22.2 | 17.8 | 26.6 |

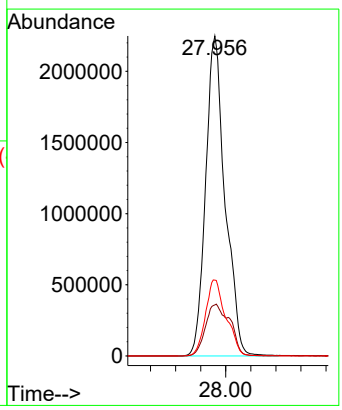


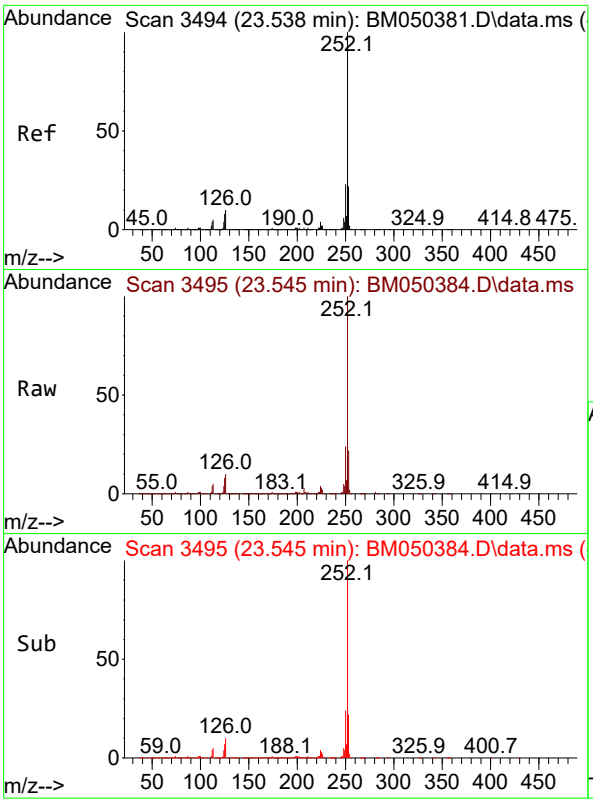




#87
Indeno(1,2,3-cd)pyrene
Concen: 87.270 ng
RT: 27.956 min Scan# 4245
Delta R.T. 0.018 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:276 Resp:12120915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.4 | 17.0 | 25.6 |
| 277 | 25.1 | 20.0 | 30.0 |



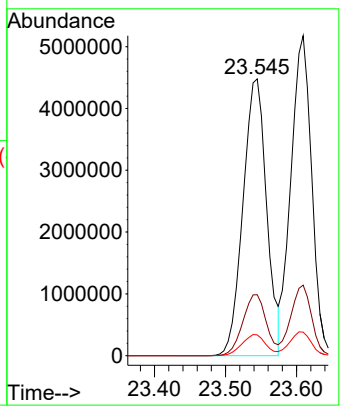


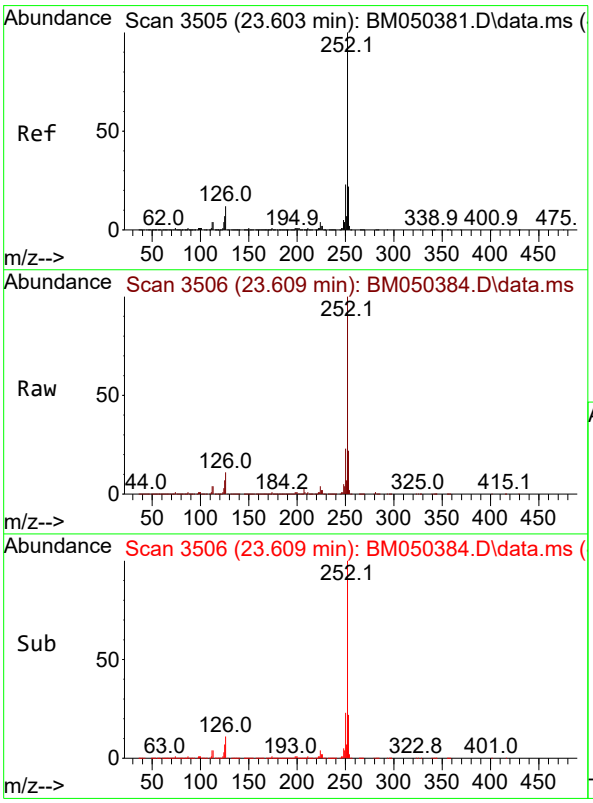

#88
Benzo(b)fluoranthene
Concen: 86.316 ng
RT: 23.545 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp:10371642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.8 | 26.6 |
| 125 | 7.5 | 6.3 | 9.5 |

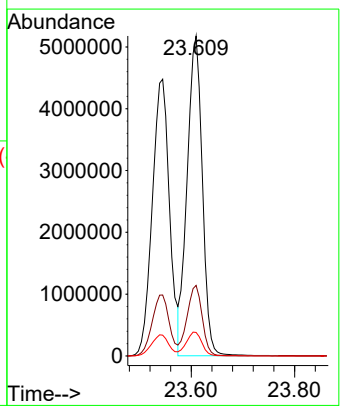


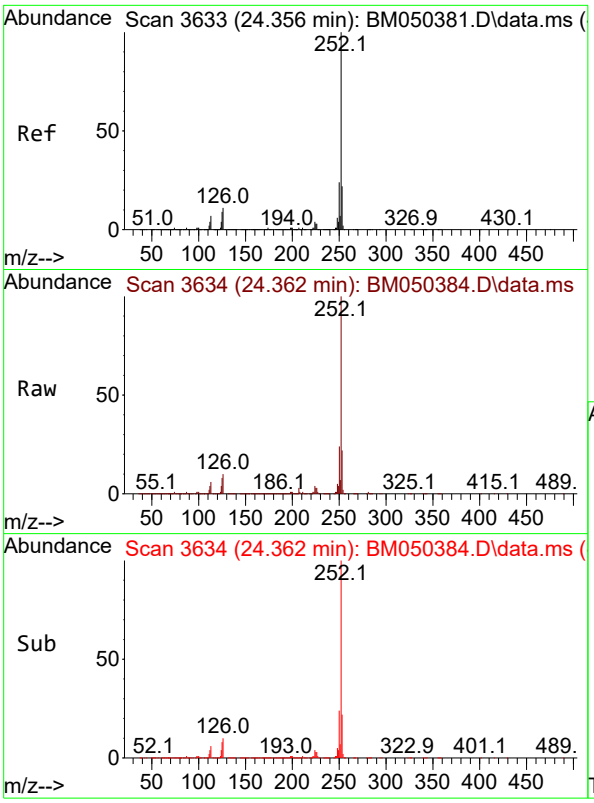




#89
Benzo(k)fluoranthene
Concen: 84.592 ng
RT: 23.609 min Scan# 3506
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:252 Resp:10546917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.6 | 26.4 |
| 125 | 7.3 | 6.2 | 9.2 |



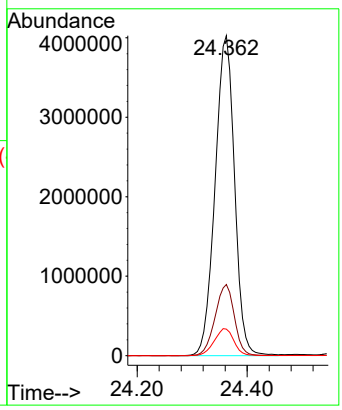


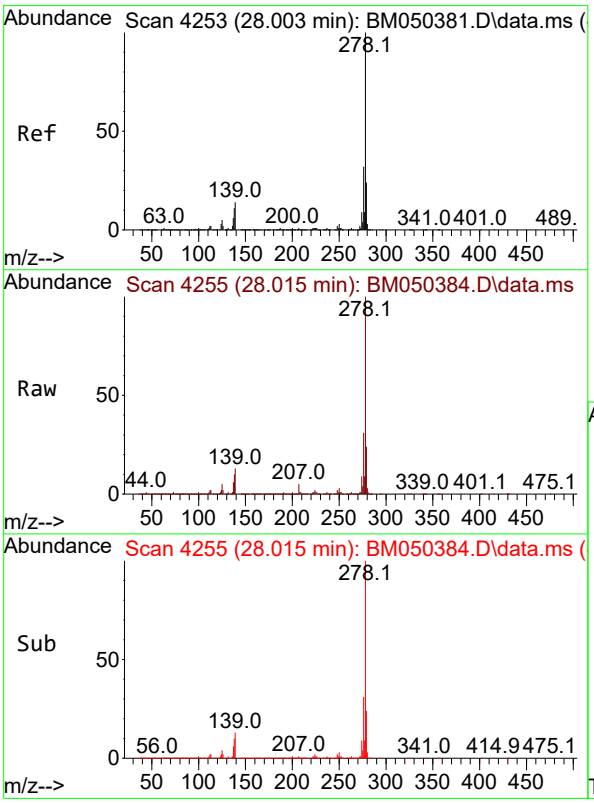

#90
Benzo(a)pyrene
Concen: 87.833 ng
RT: 24.362 min Scan# 3(
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 9879526

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

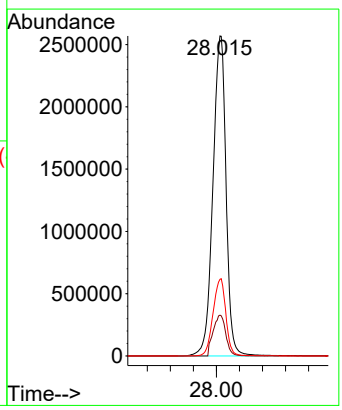


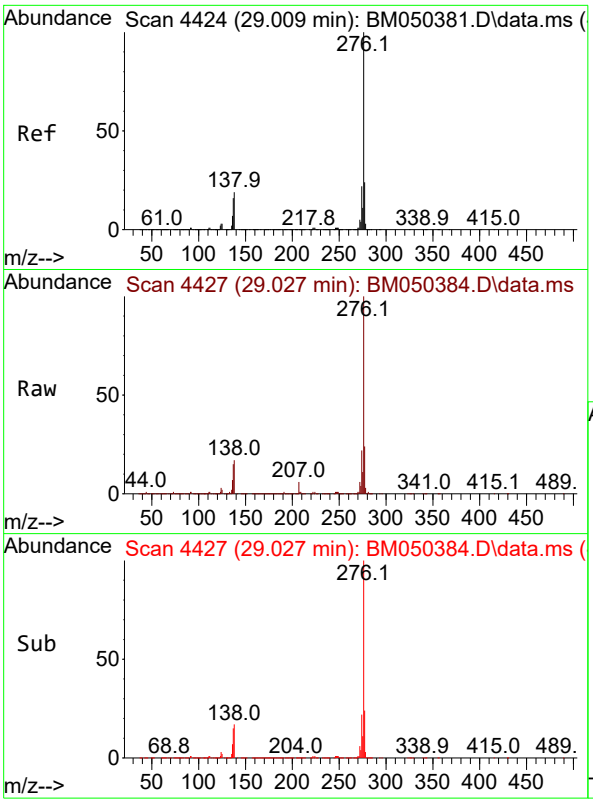




#91
Dibenzo(a,h)anthracene
Concen: 86.905 ng
RT: 28.015 min Scan# 4255
Delta R.T. 0.012 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:278 Resp:10165335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.7 | 10.8 | 16.2 |
| 279 | 24.0 | 19.4 | 29.0 |



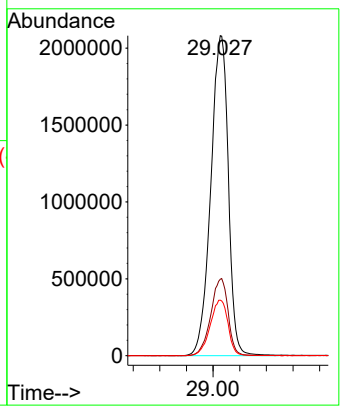



#92
Benzo(g,h,i)perylene
Concen: 85.979 ng
RT: 29.027 min Scan# 4
Delta R.T. 0.018 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:276 Resp: 9504954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 19.1 | 28.7 |
| 138 | 17.4 | 14.9 | 22.3 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.863 | 152 | 404345 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.663 | 136 | 1554046 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.492 | 164 | 1008264 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.227 | 188 | 1898481 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.456 | 240 | 1940016 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.497 | 264 | 1874427 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 1875929 | 79.859 | ng | | 0.00 |
| 7) Phenol-d6 | 7.022 | 99 | 2388524 | 80.660 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.016 | 82 | 2227871 | 73.139 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.974 | 330 | 1026446 | 83.788 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.121 | 172 | 5771427 | 70.689 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.845 | 244 | 8726739 | 79.145 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.334 | 88 | 366994 | 37.994 | ng | | 99 |
| 3) Pyridine | 3.734 | 79 | 1042715 | 41.118 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.640 | 42 | 482767 | 40.835 | ng | | 99 |
| 6) Aniline | 7.187 | 93 | 1617701 | 42.568 | ng | | 100 |
| 8) 2-Chlorophenol | 7.428 | 128 | 1063478 | 42.935 | ng | | 98 |
| 9) Benzaldehyde | 6.998 | 77 | 799316m | 45.376 | ng | | |
| 10) Phenol | 7.051 | 94 | 1300713 | 42.114 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.287 | 93 | 1044803 | 42.240 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.757 | 146 | 1260411 | 41.848 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.904 | 146 | 1279655 | 41.609 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.216 | 146 | 1221241 | 41.478 | ng | | 99 |
| 15) Benzyl Alcohol | 8.098 | 79 | 887896 | 42.555 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.392 | 45 | 1497256 | 41.095 | ng | | 99 |
| 17) 2-Methylphenol | 8.298 | 107 | 855883 | 42.726 | ng | | 99 |
| 18) Hexachloroethane | 8.951 | 117 | 453255 | 41.906 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.675 | 70 | 792336 | 44.168 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.628 | 107 | 1136862 | 42.276 | ng | | 99 |
| 22) Acetophenone | 8.686 | 105 | 1643199 | 42.290 | ng | # | 97 |
| 24) Nitrobenzene | 9.063 | 77 | 1137842 | 41.860 | ng | | 98 |
| 25) Isophorone | 9.592 | 82 | 2120872 | 42.909 | ng | | 99 |
| 26) 2-Nitrophenol | 9.775 | 139 | 514999 | 46.488 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.833 | 122 | 1001149 | 42.470 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.069 | 93 | 1371682 | 41.880 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.304 | 162 | 1042869 | 43.061 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.528 | 180 | 1216831 | 42.001 | ng | | 99 |
| 31) Naphthalene | 10.716 | 128 | 3258495 | 41.281 | ng | | 99 |
| 32) Benzoic acid | 9.951 | 122 | 593935 | 41.913 | ng | | 97 |
| 33) 4-Chloroaniline | 10.810 | 127 | 1415715 | 42.424 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.010 | 225 | 749497 | 42.386 | ng | | 99 |
| 35) Caprolactam | 11.586 | 113 | 285315 | 43.156 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 11.933 | 107 | 979521 | 43.312 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.322 | 142 | 2124989 | 42.637 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.539 | 142 | 2230710 | 42.292 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.692 | 216 | 1374217 | 42.859 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.680 | 237 | 881607 | 43.015 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.927 | 196 | 858251 | 43.485 | ng | | 98 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.992 | 196 | 938542 | 43.542 ng | 99 |
| 46) 1,1'-Biphenyl | 13.333 | 154 | 3108770 | 41.557 ng | 100 |
| 47) 2-Chloronaphthalene | 13.368 | 162 | 2461641 | 41.272 ng | 99 |
| 48) 2-Nitroaniline | 13.563 | 65 | 592401 | 44.497 ng | 97 |
| 49) Acenaphthylene | 14.215 | 152 | 3783308 | 41.972 ng | 99 |
| 50) Dimethylphthalate | 13.951 | 163 | 2890119 | 41.635 ng | 100 |
| 51) 2,6-Dinitrotoluene | 14.063 | 165 | 591843 | 44.405 ng | 98 |
| 52) Acenaphthene | 14.557 | 154 | 2381763 | 41.562 ng | 99 |
| 53) 3-Nitroaniline | 14.386 | 138 | 636015 | 44.871 ng | 98 |
| 54) 2,4-Dinitrophenol | 14.586 | 184 | 266947 | 39.797 ng | 98 |
| 55) Dibenzofuran | 14.892 | 168 | 3609413 | 40.877 ng | 99 |
| 56) 4-Nitrophenol | 14.686 | 139 | 521977 | 42.822 ng | 94 |
| 57) 2,4-Dinitrotoluene | 14.845 | 165 | 807634 | 40.905 ng | 98 |
| 58) Fluorene | 15.539 | 166 | 3012801 | 41.425 ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.115 | 232 | 784378 | 43.229 ng | 99 |
| 60) Diethylphthalate | 15.315 | 149 | 2759041 | 41.609 ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.533 | 204 | 1608200 | 42.288 ng | 99 |
| 62) 4-Nitroaniline | 15.545 | 138 | 649355 | 40.288 ng | 96 |
| 63) Azobenzene | 15.821 | 77 | 2528721 | 41.531 ng | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.604 | 198 | 399918 | 40.334 ng | 99 |
| 66) n-Nitrosodiphenylamine | 15.745 | 169 | 2506809 | 42.198 ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.427 | 248 | 894310 | 42.755 ng | 99 |
| 68) Hexachlorobenzene | 16.539 | 284 | 1046980 | 42.380 ng | 99 |
| 69) Atrazine | 16.692 | 200 | 862455 | 44.212 ng | 99 |
| 70) Pentachlorophenol | 16.874 | 266 | 662449 | 43.075 ng | 100 |
| 71) Phenanthrene | 17.268 | 178 | 4444618 | 41.373 ng | 100 |
| 72) Anthracene | 17.362 | 178 | 4525011 | 42.316 ng | 100 |
| 73) Carbazole | 17.621 | 167 | 4044979 | 41.806 ng | 100 |
| 74) Di-n-butylphthalate | 18.198 | 149 | 4579991 | 43.247 ng | 100 |
| 75) Fluoranthene | 19.280 | 202 | 4960360 | 42.474 ng | 100 |
| 77) Benzidine | 19.456 | 184 | 2625052 | 53.050 ng | 100 |
| 78) Pyrene | 19.639 | 202 | 5250364 | 42.257 ng | 100 |
| 80) Butylbenzylphthalate | 20.539 | 149 | 1849278 | 45.139 ng | 98 |
| 81) Benzo(a)anthracene | 21.439 | 228 | 5322771 | 42.109 ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.356 | 252 | 1864267 | 43.733 ng | 100 |
| 83) Chrysene | 21.497 | 228 | 4998506 | 41.924 ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.368 | 149 | 2892877 | 44.481 ng | 99 |
| 85) Di-n-octyl phthalate | 22.521 | 149 | 4457449 | 43.760 ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 27.938 | 276 | 5647629 | 42.377 ng | 100 |
| 88) Benzo(b)fluoranthene | 23.533 | 252 | 4906807 | 42.558 ng | 100 |
| 89) Benzo(k)fluoranthene | 23.597 | 252 | 5010695 | 41.883 ng | 100 |
| 90) Benzo(a)pyrene | 24.356 | 252 | 4633762 | 42.933 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.003 | 278 | 4772470 | 42.521 ng | 99 |
| 92) Benzo(g,h,i)perylene | 29.009 | 276 | 4476118 | 42.197 ng | 99 |

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

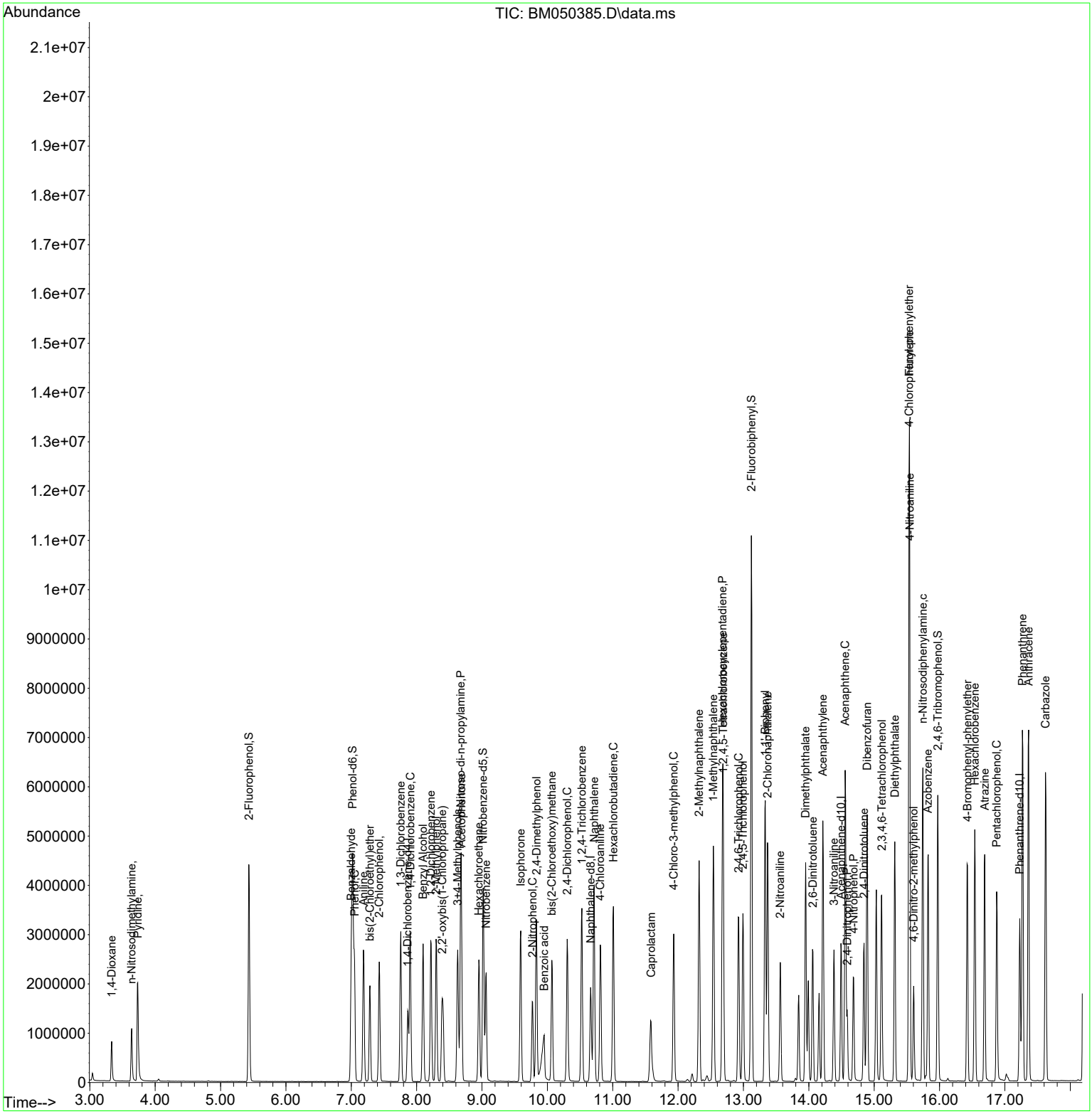
Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration



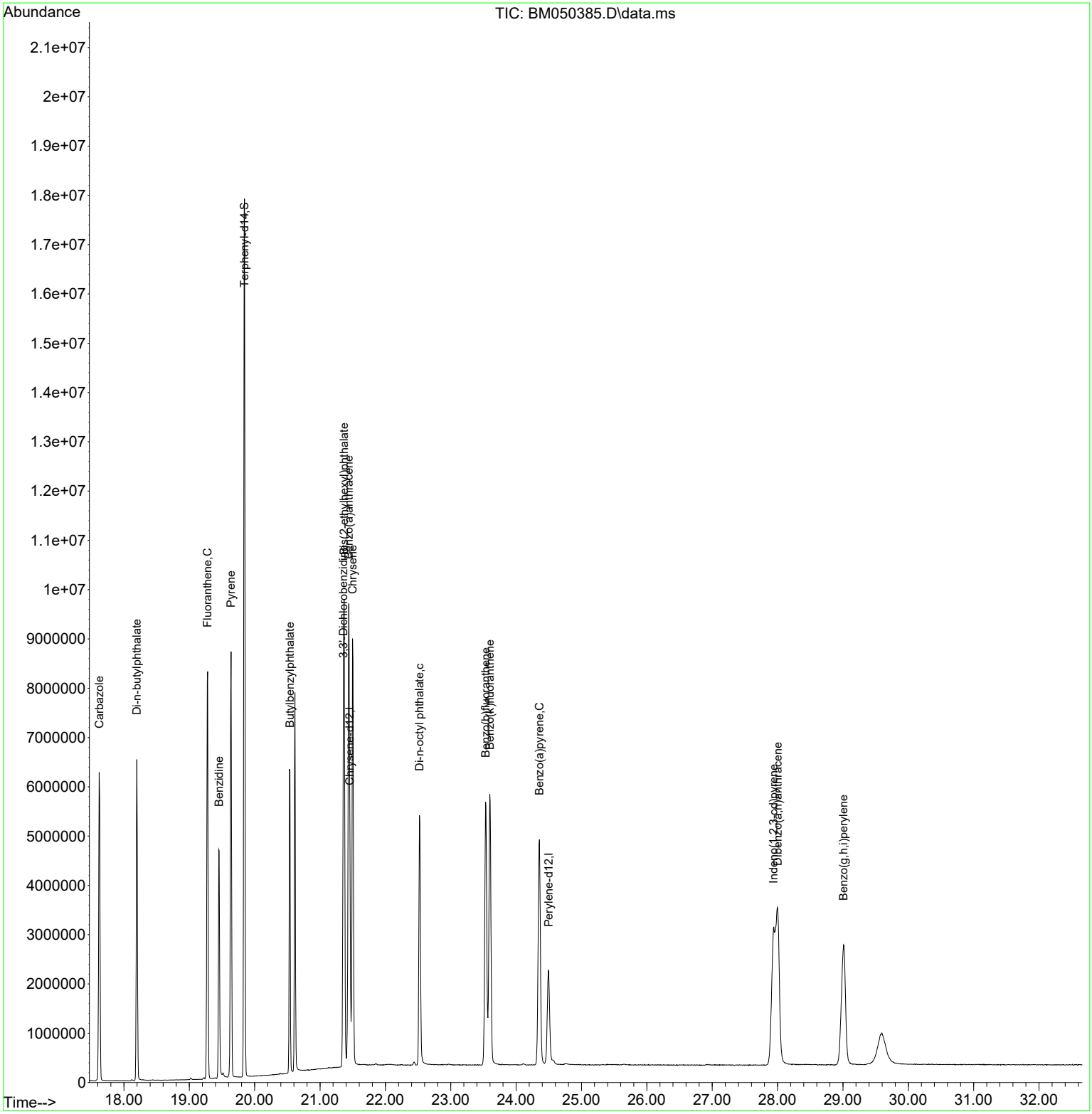
Quantitation Report (QT Reviewed)

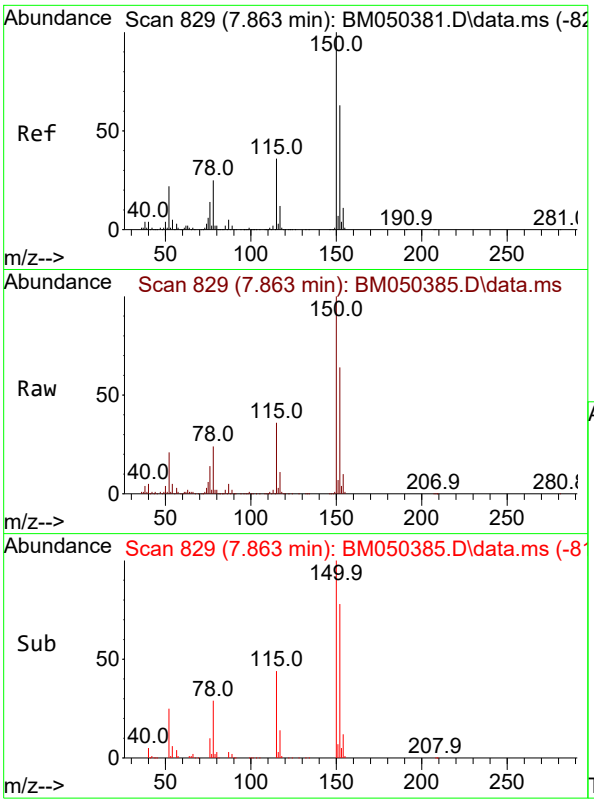
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration



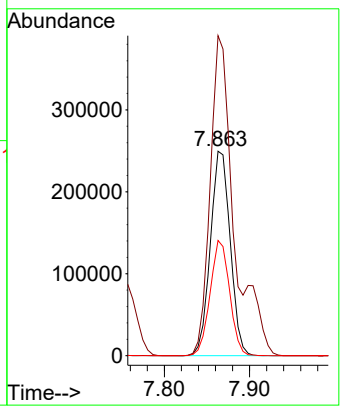


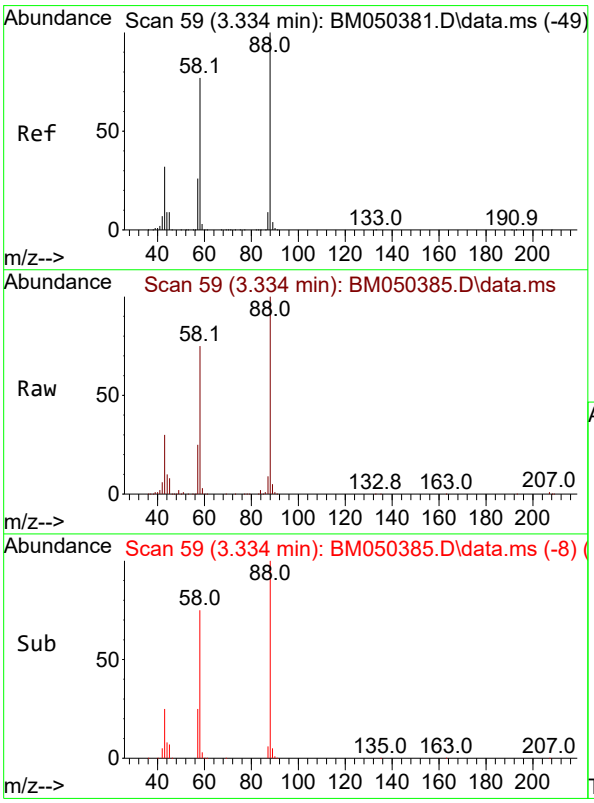

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:152 Resp: 404345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.4 | 126.2 | 189.4 |
| 115 | 56.3 | 45.8 | 68.8 |

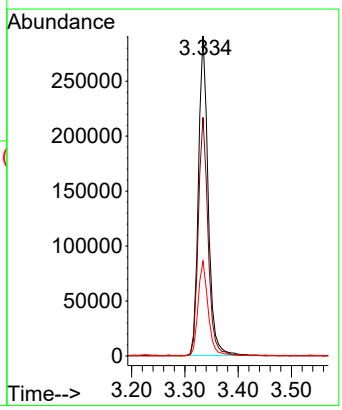


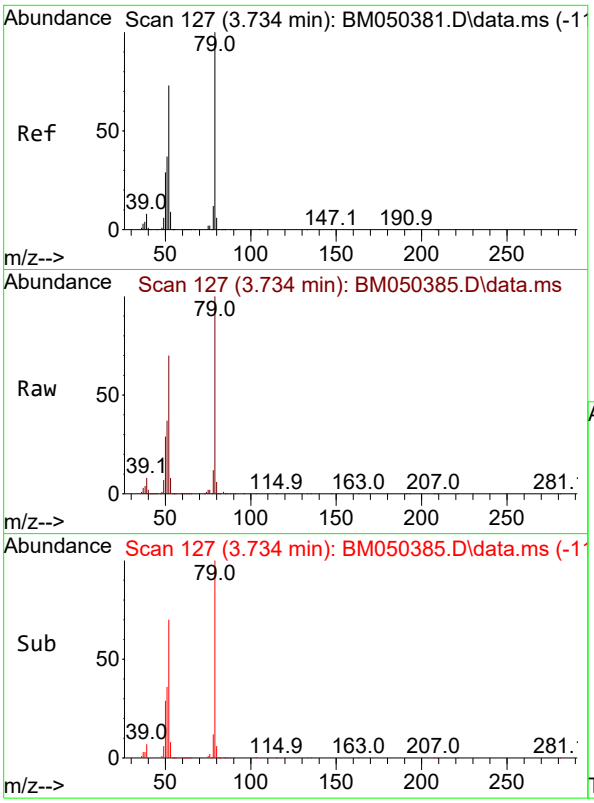




#2
1,4-Dioxane
Concen: 37.994 ng
RT: 3.334 min Scan# 59
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 88 Resp: 366994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.3 | 61.0 | 91.6 |
| 43 | 30.2 | 24.6 | 37.0 |



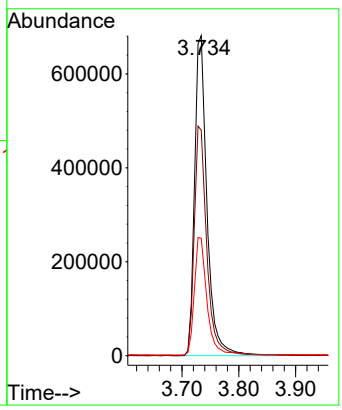


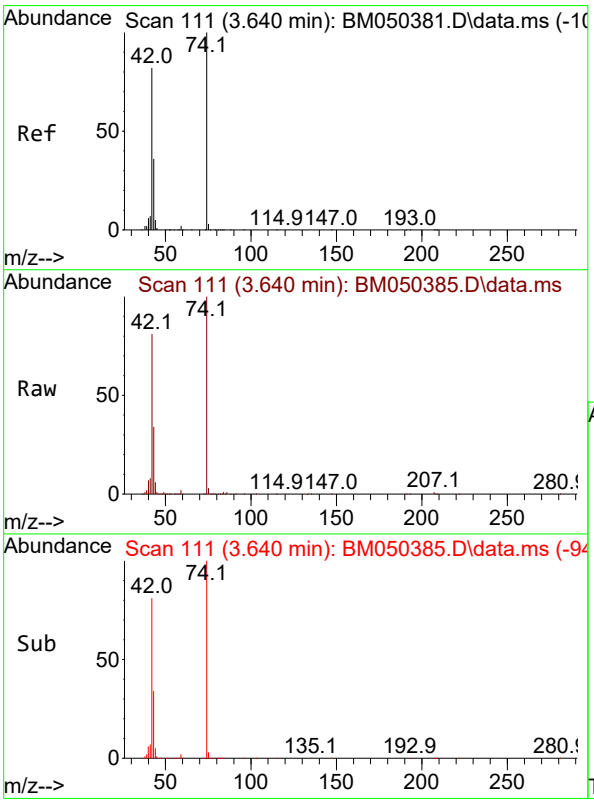

#3
Pyridine
Concen: 41.118 ng
RT: 3.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion: 79 Resp: 1042715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 70.5 | 58.3 | 87.5 |
| 51 | 36.7 | 29.6 | 44.4 |

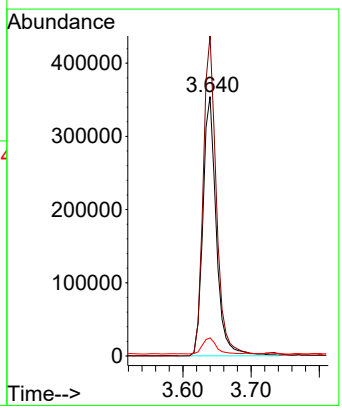


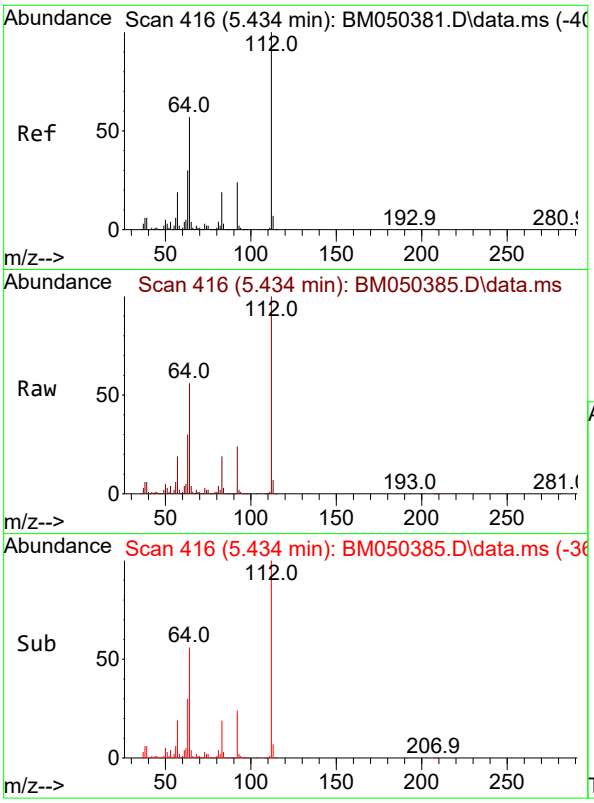




#4
n-Nitrosodimethylamine
Concen: 40.835 ng
RT: 3.640 min Scan# 111
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 42 Resp: 482767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 123.4 | 97.5 | 146.3 |
| 44 | 7.0 | 5.7 | 8.5 |



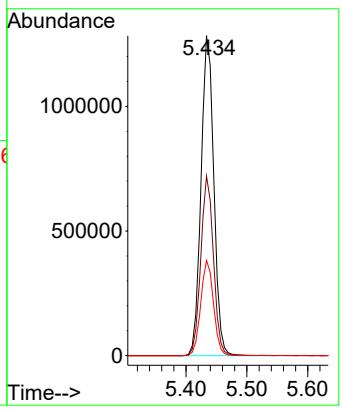


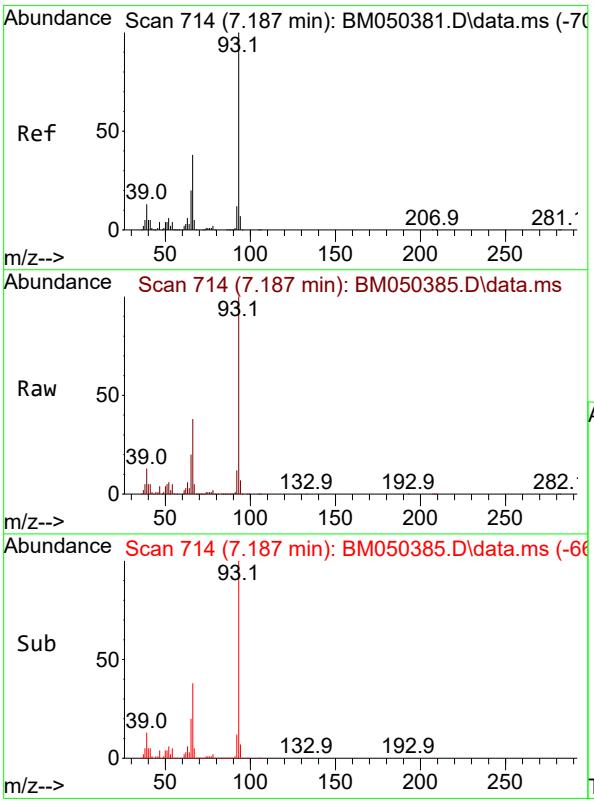

#5
2-Fluorophenol
Concen: 79.859 ng
RT: 5.434 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:112 Resp: 1875929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.1 | 45.5 | 68.3 |
| 63 | 29.8 | 24.2 | 36.4 |

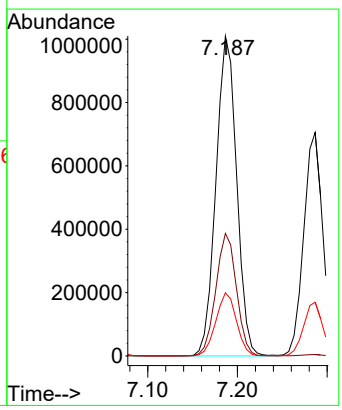


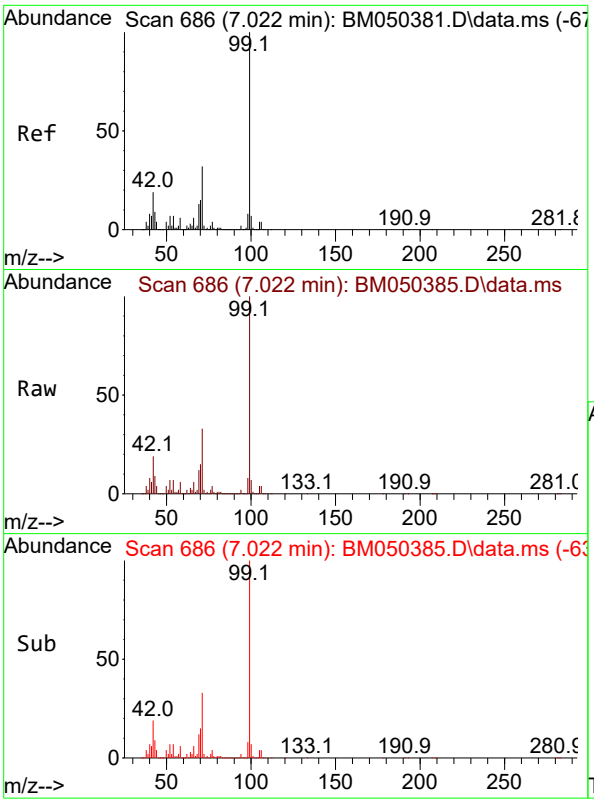




#6
Aniline
Concen: 42.568 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 93 Resp: 1617701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.3 | 30.5 | 45.7 |
| 65 | 19.7 | 15.9 | 23.9 |



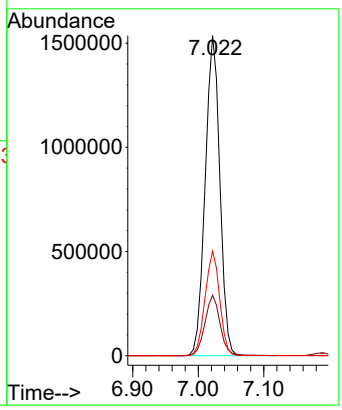


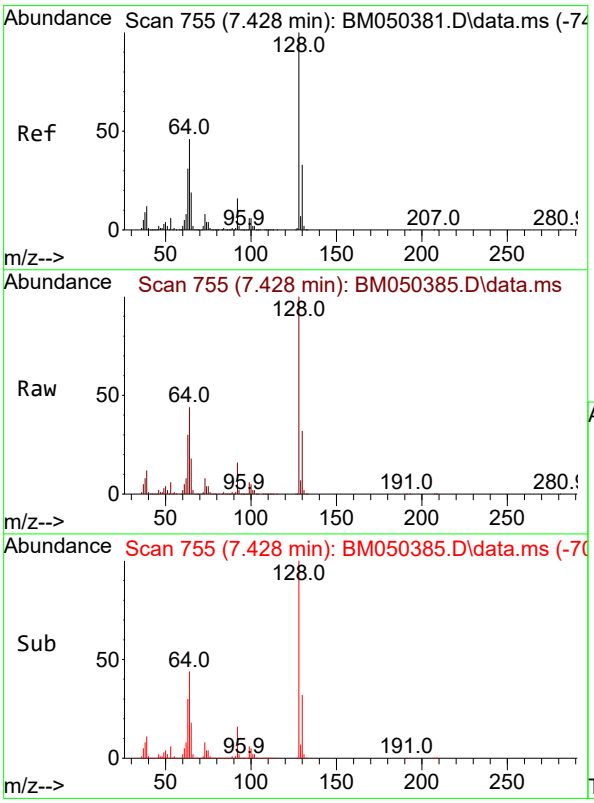

#7
Phenol-d6
Concen: 80.660 ng
RT: 7.022 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion: 99 Resp: 2388524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.9 | 15.0 | 22.6 |
| 71 | 32.6 | 25.9 | 38.9 |

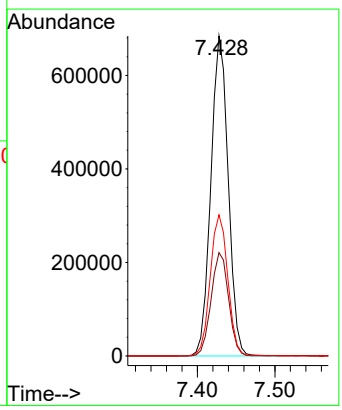


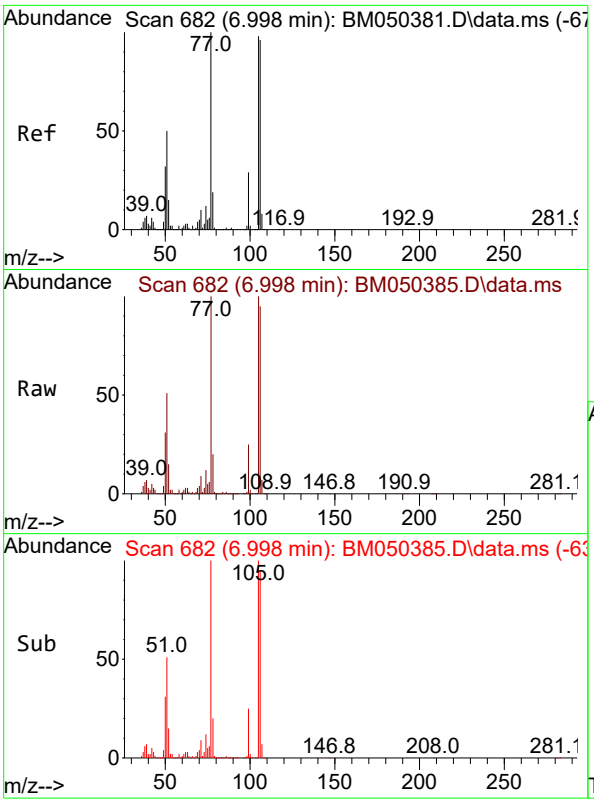




#8
2-Chlorophenol
Concen: 42.935 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:128 Resp: 1063478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.3 | 13.3 | 53.3 |
| 64 | 44.1 | 25.6 | 65.6 |



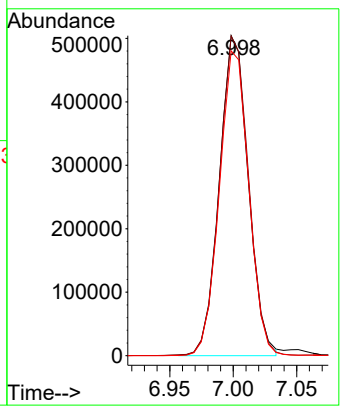


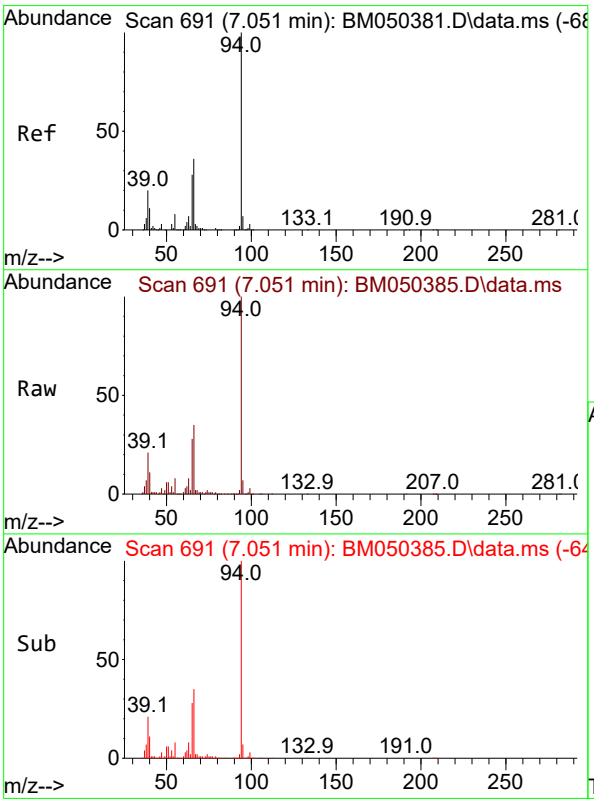

#9
Benzaldehyde
Concen: 45.376 ng m
RT: 6.998 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion: 77 Resp: 799316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.8 | 78.4 | 118.4 |
| 106 | 95.2 | 76.3 | 116.3 |

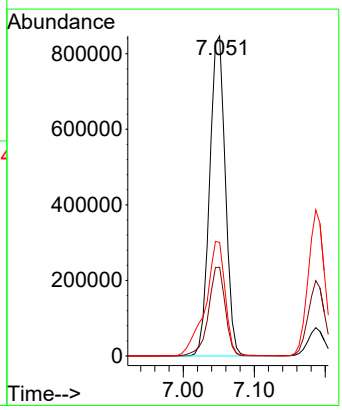


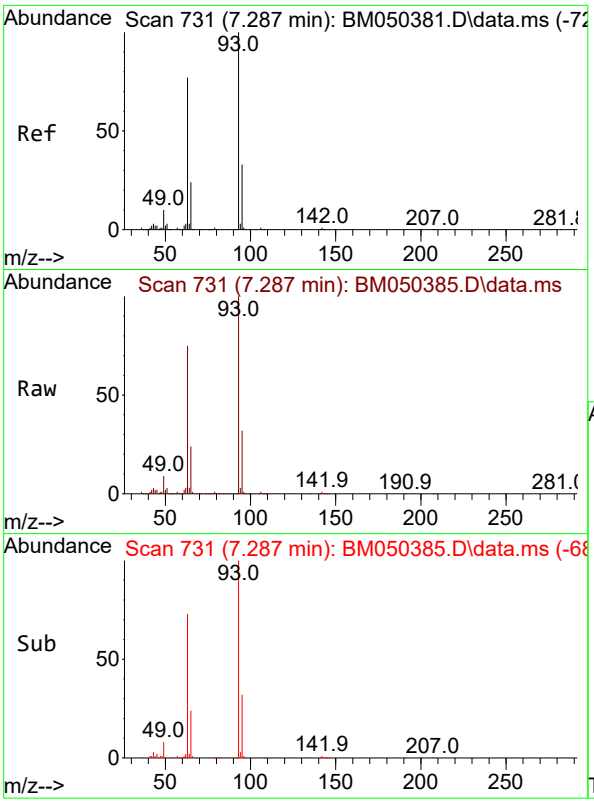




#10
Phenol
Concen: 42.114 ng
RT: 7.051 min Scan# 691
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 94 Resp: 1300713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 27.7 | 8.1 | 48.1 |
| 66 | 35.5 | 15.8 | 55.8 |



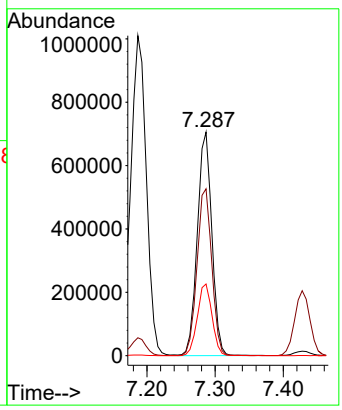


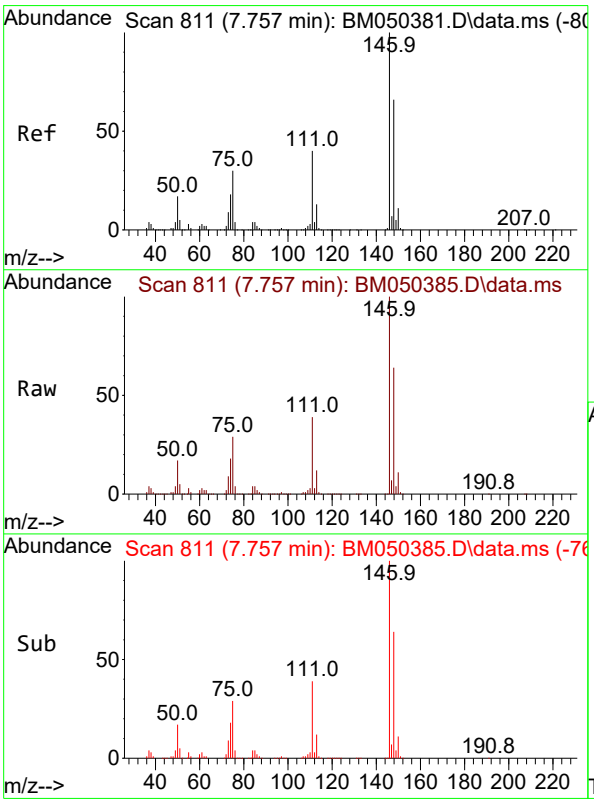

#11
bis(2-Chloroethyl)ether
Concen: 42.240 ng
RT: 7.287 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion: 93 Resp: 1044803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 74.7 | 56.9 | 96.9 |
| 95 | 32.1 | 12.6 | 52.6 |

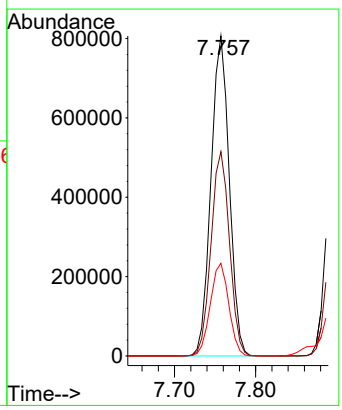


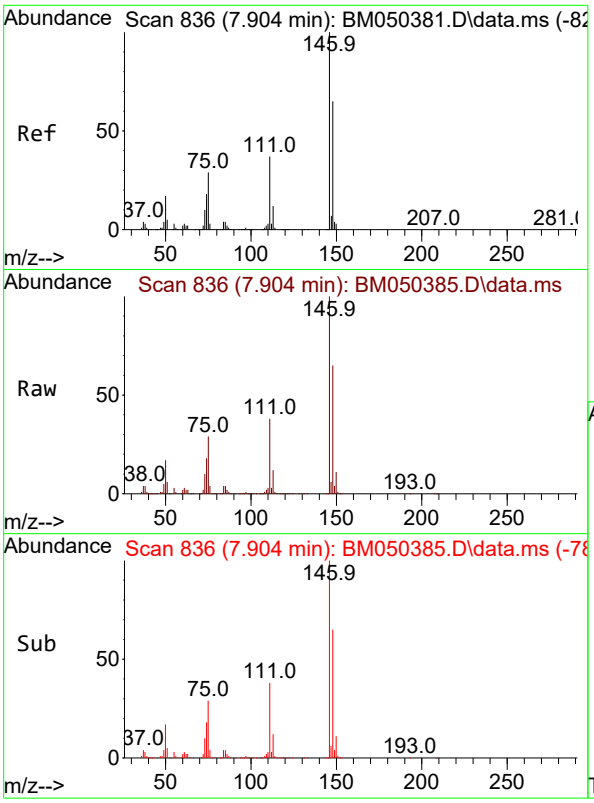




#12
1,3-Dichlorobenzene
Concen: 41.848 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:146 Resp: 1260411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 53.2 | 79.8 |
| 75 | 28.9 | 23.9 | 35.9 |



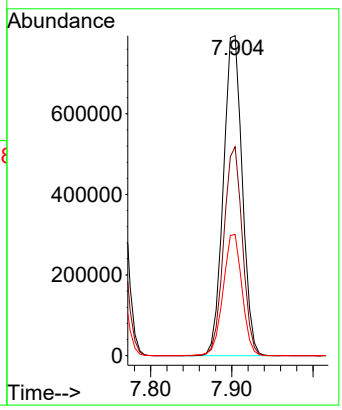


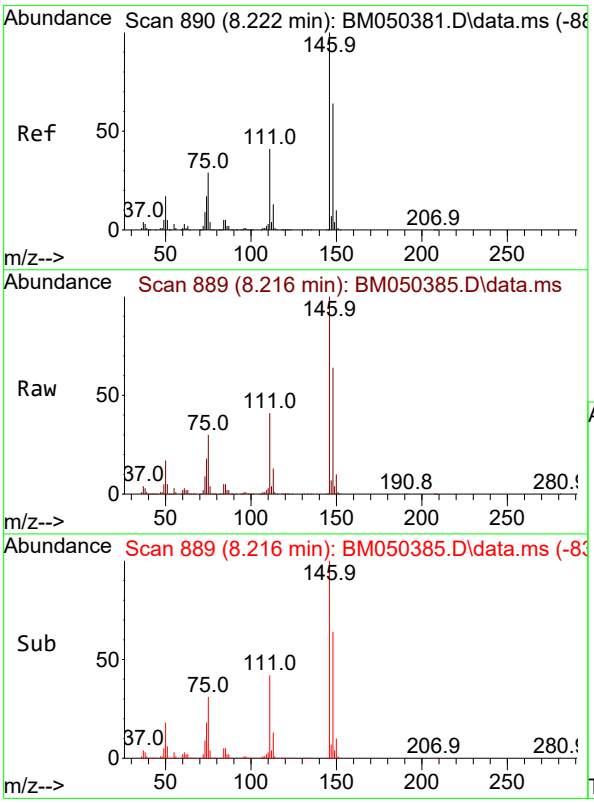

#13
1,4-Dichlorobenzene
Concen: 41.609 ng
RT: 7.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:146 Resp: 1279655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.3 | 51.9 | 77.9 |
| 111 | 37.9 | 30.0 | 45.0 |

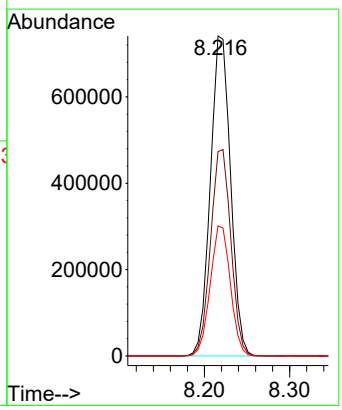


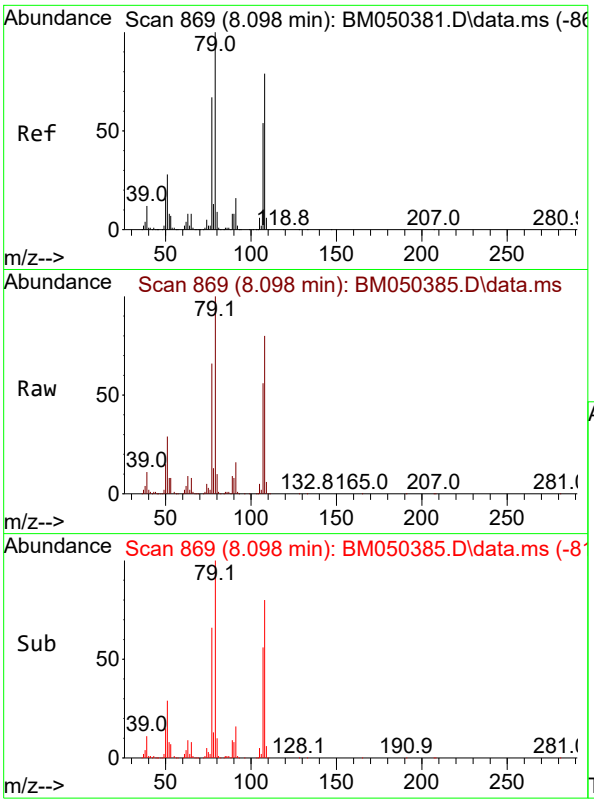




#14
1,2-Dichlorobenzene
Concen: 41.478 ng
RT: 8.216 min Scan# 889
Delta R.T. -0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:146 Resp: 1221241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 51.5 | 77.3 |
| 111 | 40.6 | 32.6 | 49.0 |



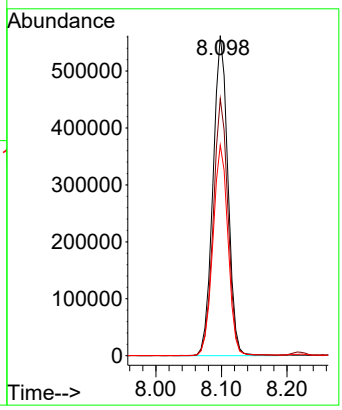


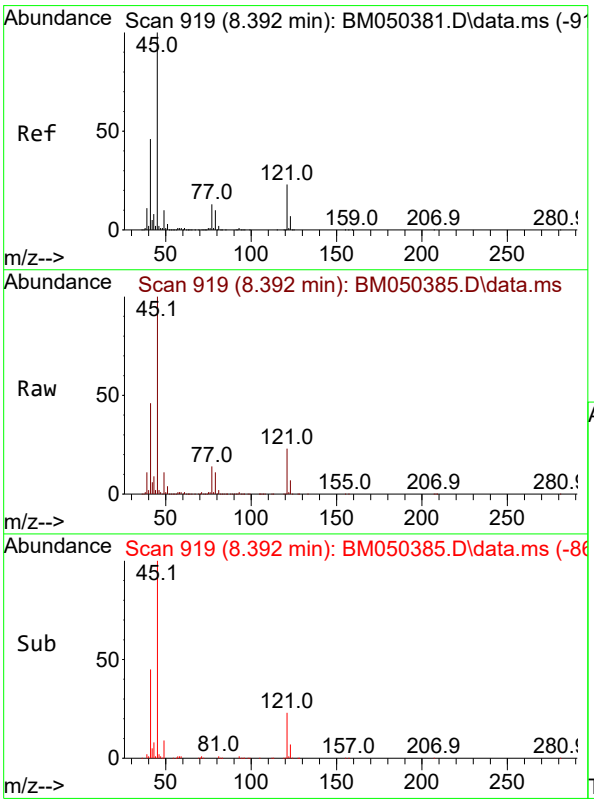

#15
Benzyl Alcohol
Concen: 42.555 ng
RT: 8.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion: 79 Resp: 887896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 80.3 | 63.0 | 94.4 |
| 77 | 65.8 | 53.4 | 80.0 |

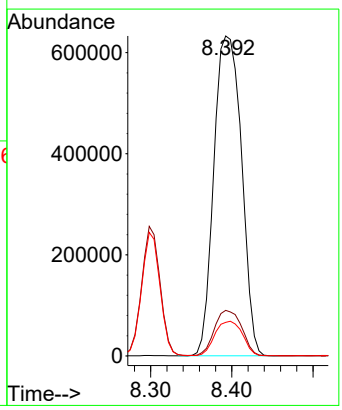


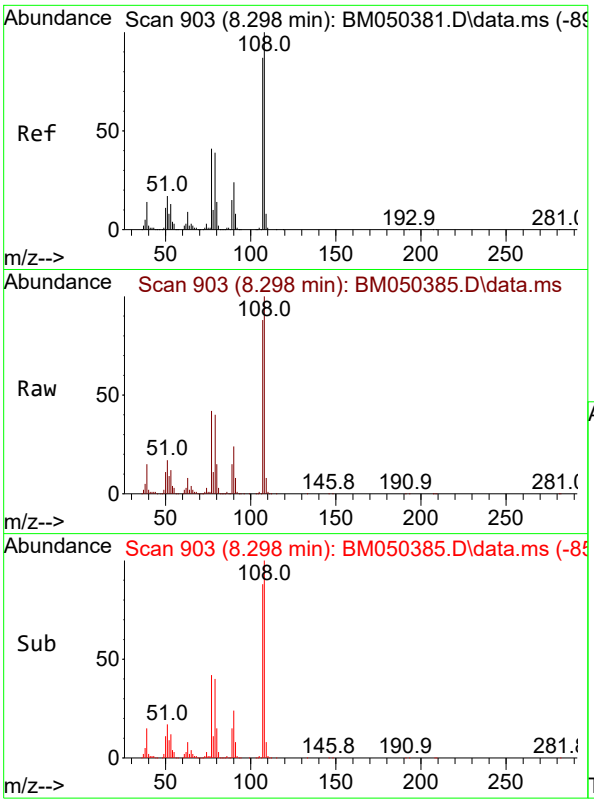




#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.095 ng
RT: 8.392 min Scan# 919
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 45 Resp: 1497256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.2 | 0.0 | 33.5 |
| 79 | 10.5 | 0.0 | 30.3 |



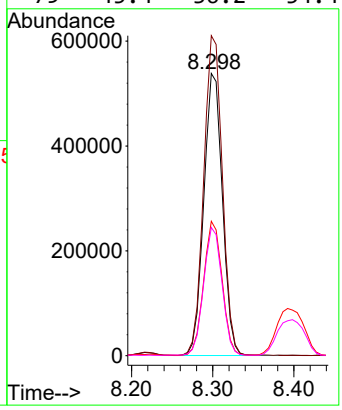


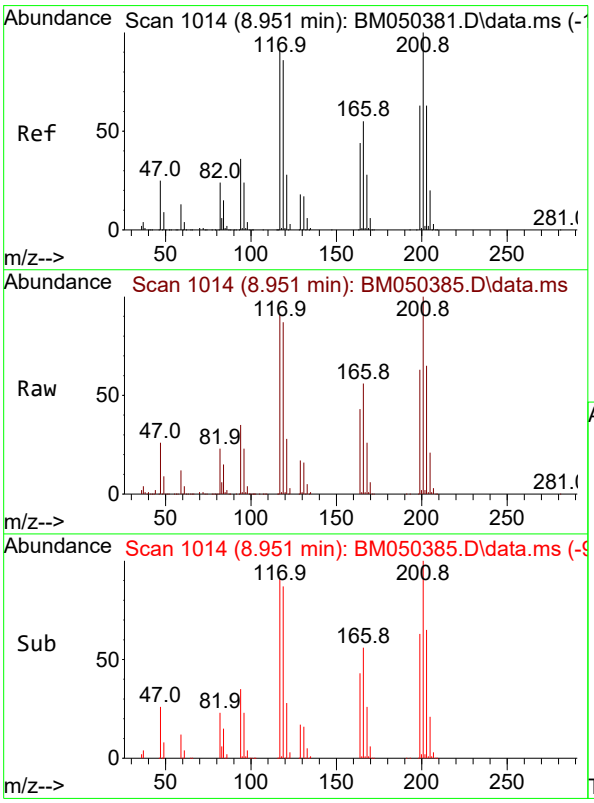

#17
2-Methylphenol
Concen: 42.726 ng
RT: 8.298 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:107 Resp: 855883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.4 | 92.1 | 138.1 |
| 77 | 47.6 | 38.2 | 57.4 |
| 79 | 45.4 | 36.2 | 54.4 |

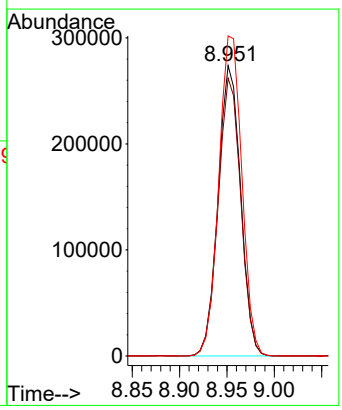


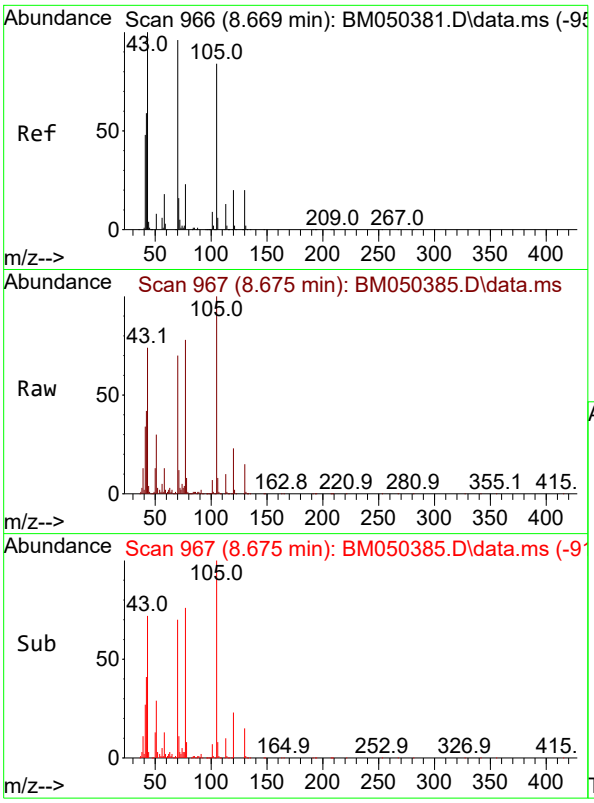




#18
Hexachloroethane
Concen: 41.906 ng
RT: 8.951 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:117 Resp: 453255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.7 | 75.6 | 113.4 |
| 201 | 110.2 | 87.9 | 131.9 |



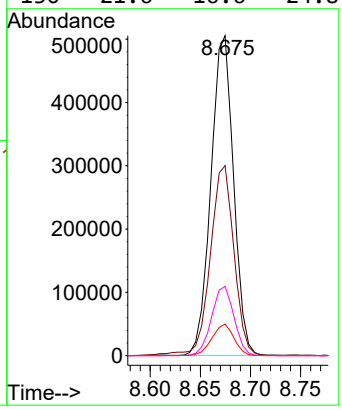


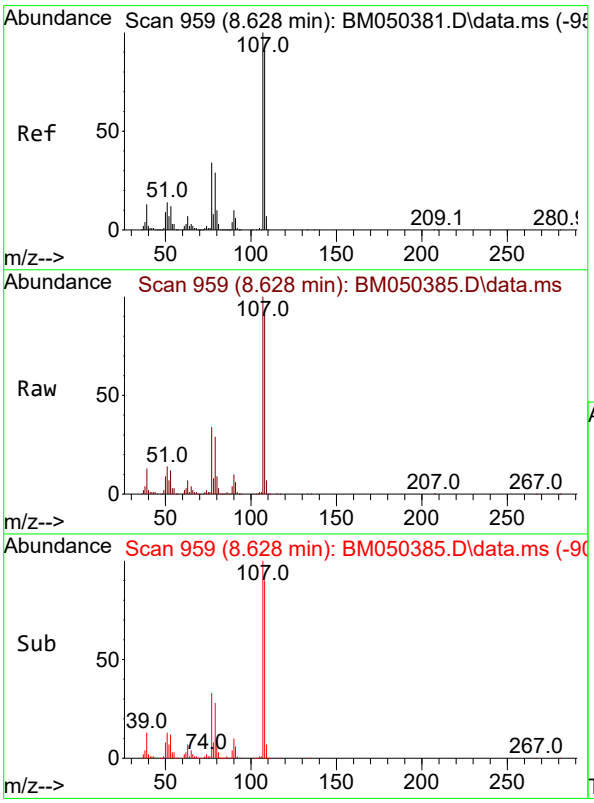

#19
n-Nitroso-di-n-propylamine
Concen: 44.168 ng
RT: 8.675 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion: 70 Resp: 792336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 59.4 | 49.7 | 74.5 |
| 101 | 9.9 | 7.7 | 11.5 |
| 130 | 21.6 | 16.6 | 24.8 |

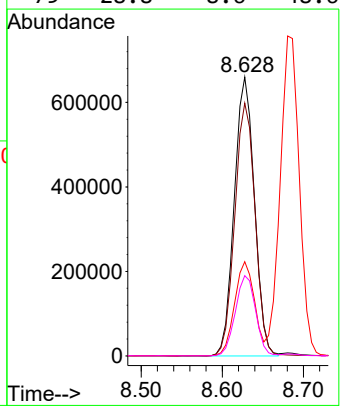


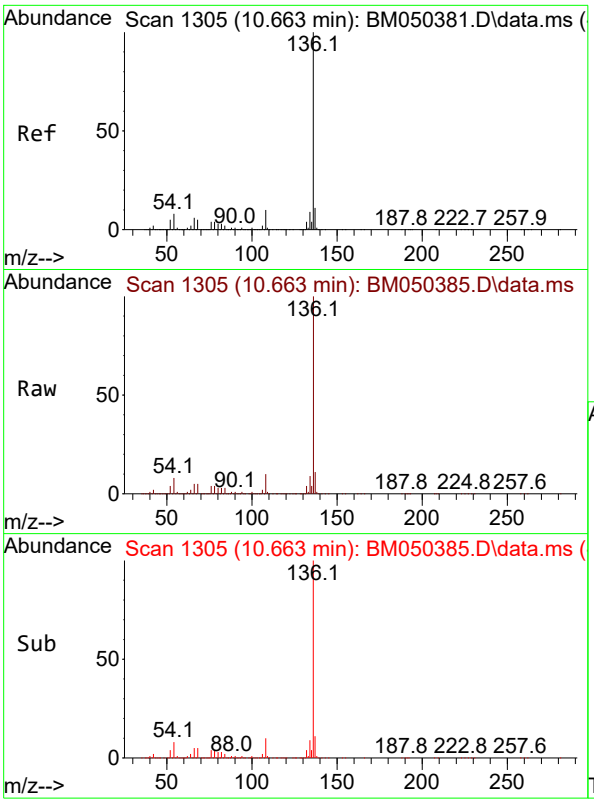




#20
3+4-Methylphenols
Concen: 42.276 ng
RT: 8.628 min Scan# 959
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:107 Resp: 1136862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.7 | 71.5 | 111.5 |
| 77 | 33.8 | 13.7 | 53.7 |
| 79 | 28.8 | 8.6 | 48.6 |



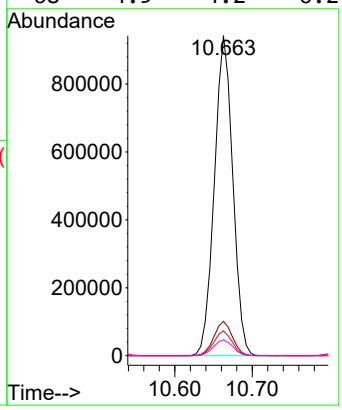


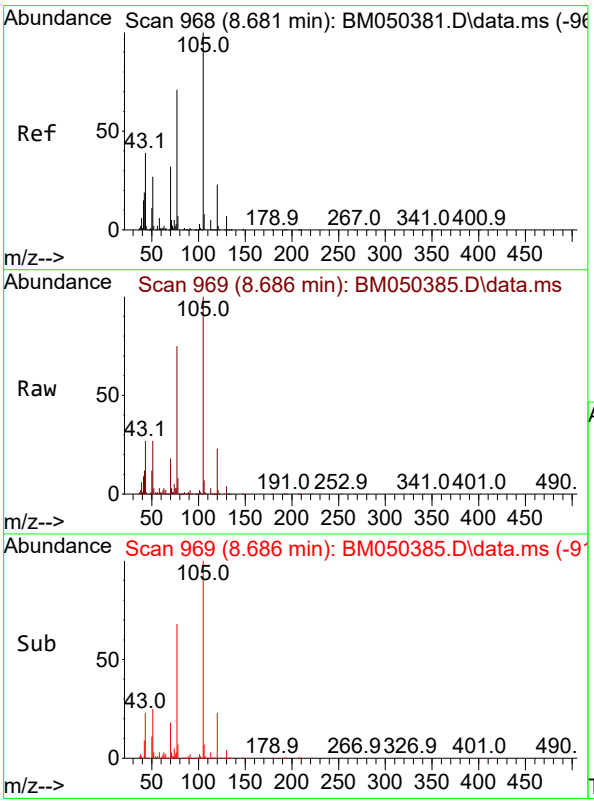

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:136 Resp: 1554046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.8 | 13.2 |
| 54 | 7.7 | 6.3 | 9.5 |
| 68 | 4.9 | 4.2 | 6.2 |

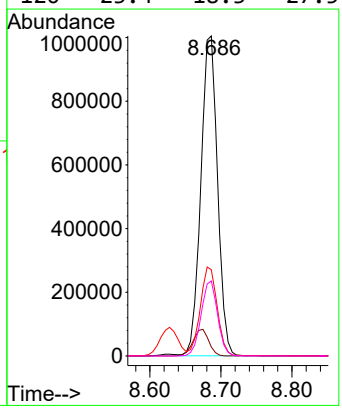


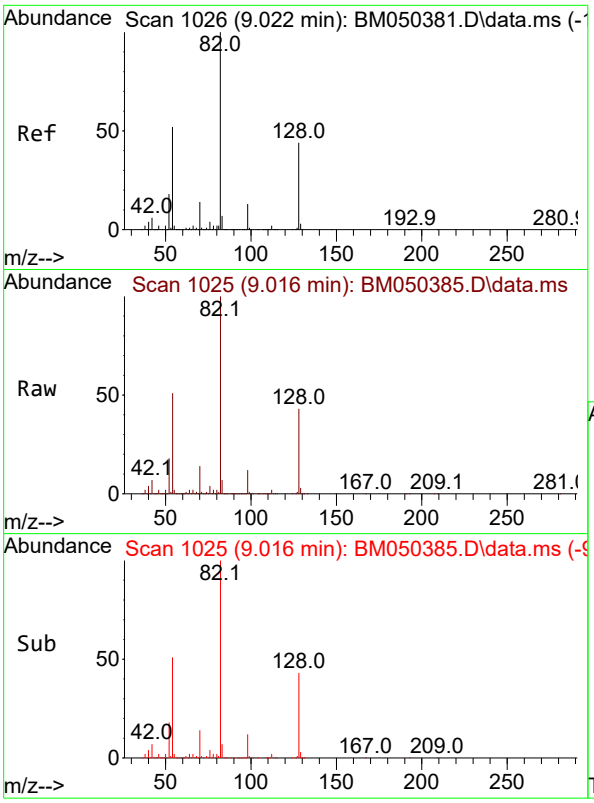




#22
Acetophenone
Concen: 42.290 ng
RT: 8.686 min Scan# 969
Delta R.T. 0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:105 Resp: 1643199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.8 | 4.4 | 6.6# |
| 51 | 27.0 | 23.0 | 34.6 |
| 120 | 23.4 | 18.3 | 27.5 |



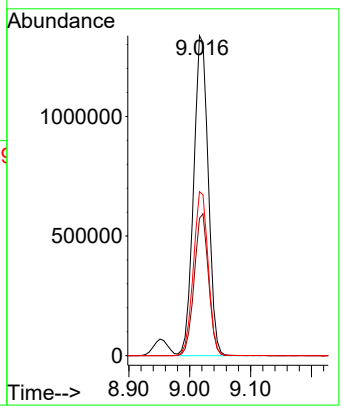


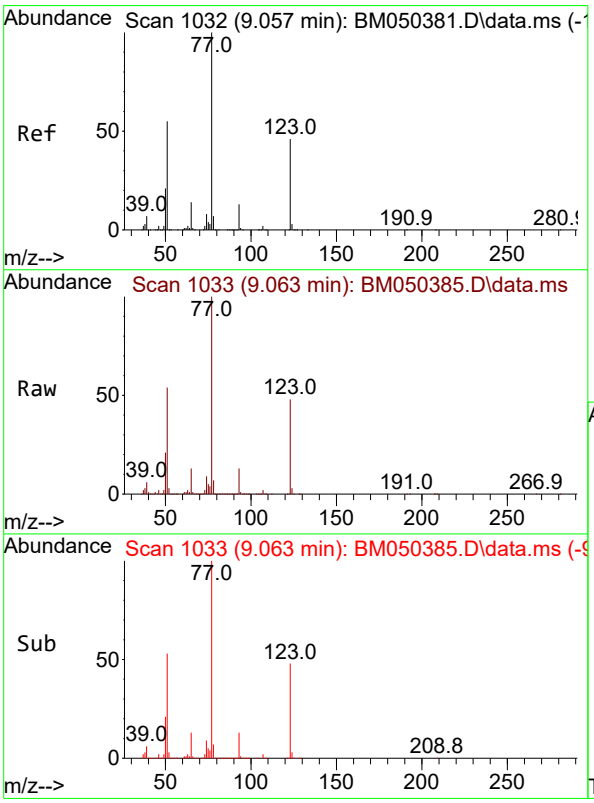

#23
Nitrobenzene-d5
Concen: 73.139 ng
RT: 9.016 min Scan# 10
Delta R.T. -0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion: 82 Resp: 2227871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.9 | 35.2 | 52.8 |
| 54 | 51.2 | 41.5 | 62.3 |

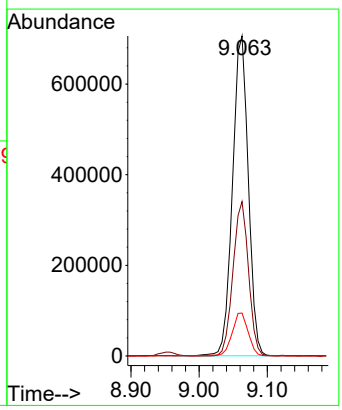


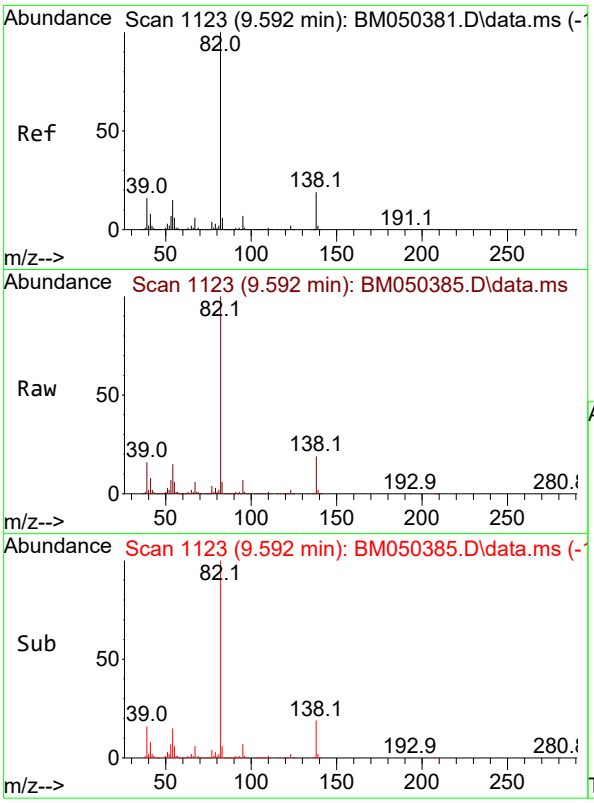




#24
Nitrobenzene
Concen: 41.860 ng
RT: 9.063 min Scan# 1033
Delta R.T. 0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 77 Resp: 1137842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 48.3 | 37.0 | 55.6 |
| 65 | 13.4 | 11.0 | 16.4 |



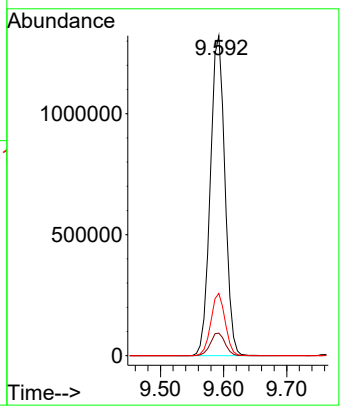


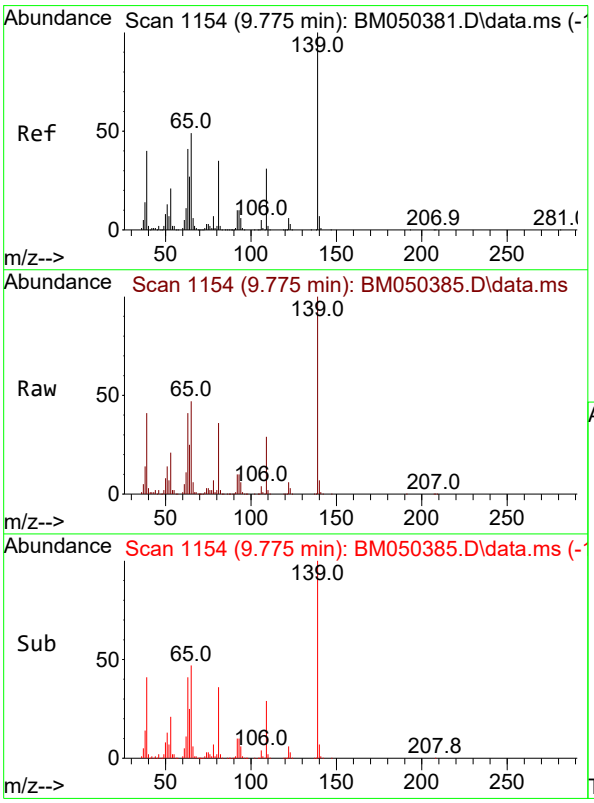

#25
Isophorone
Concen: 42.909 ng
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion: 82 Resp: 2120872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.1 | 5.6 | 8.4 |
| 138 | 19.4 | 15.3 | 22.9 |

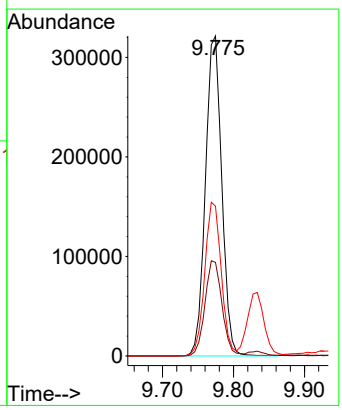


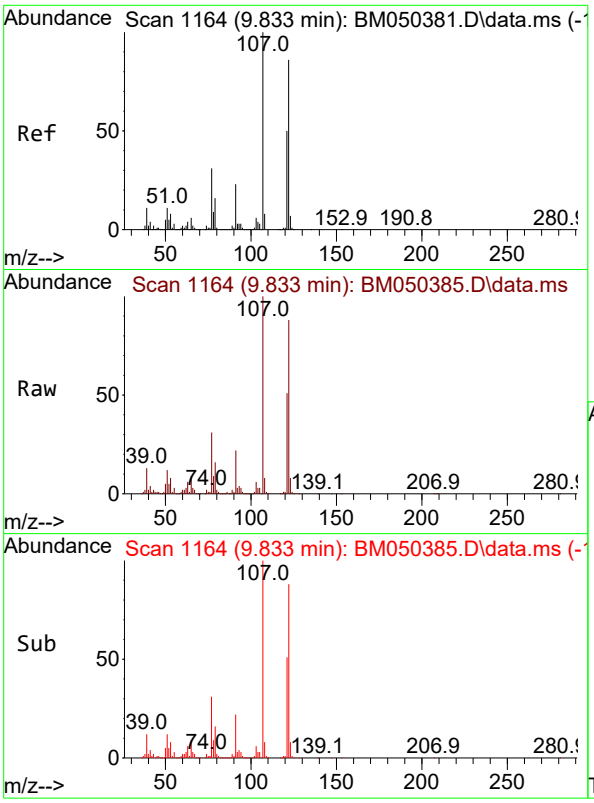




#26
2-Nitrophenol
Concen: 46.488 ng
RT: 9.775 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:139 Resp: 514999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.3 | 24.6 | 36.8 |
| 65 | 46.8 | 39.2 | 58.8 |



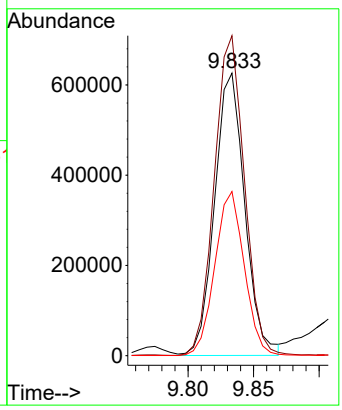


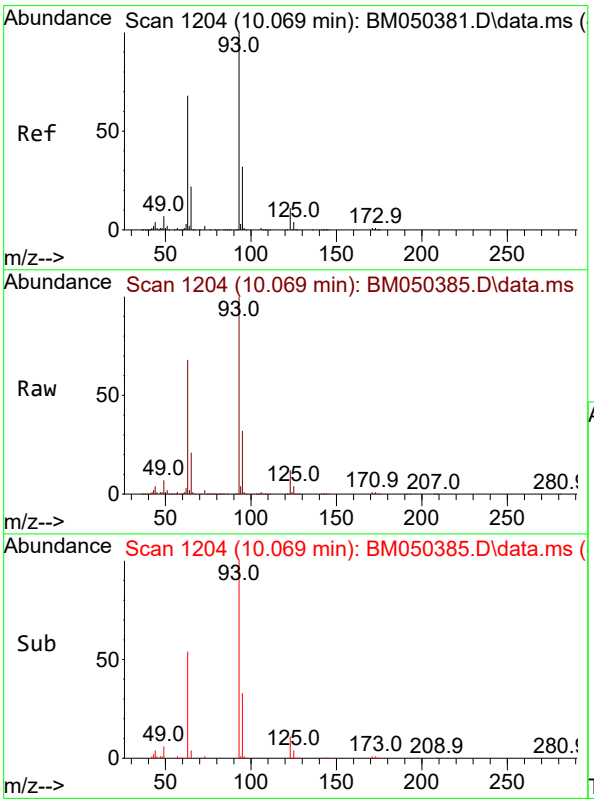

#27
2,4-Dimethylphenol
Concen: 42.470 ng
RT: 9.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:122 Resp: 1001149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 113.2 | 93.0 | 139.6 |
| 121 | 58.1 | 46.1 | 69.1 |

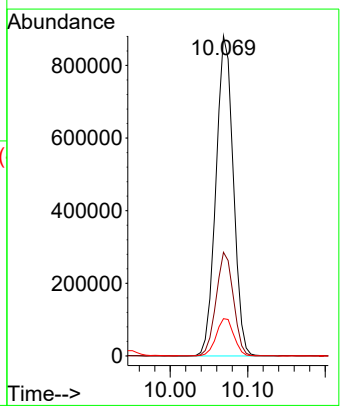


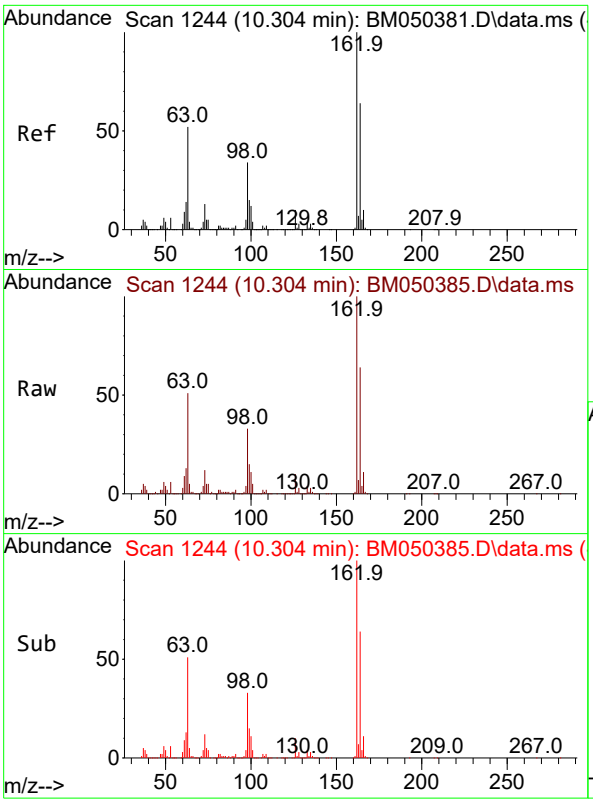




#28
bis(2-Chloroethoxy)methane
Concen: 41.880 ng
RT: 10.069 min Scan# 1204
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 93 Resp: 1371682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 25.8 | 38.6 |
| 123 | 11.6 | 9.1 | 13.7 |



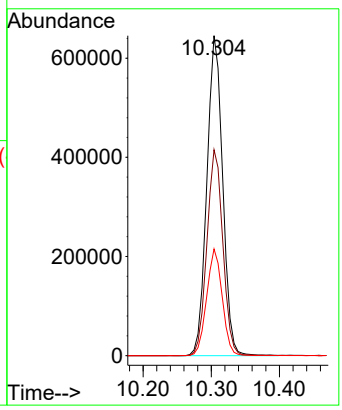


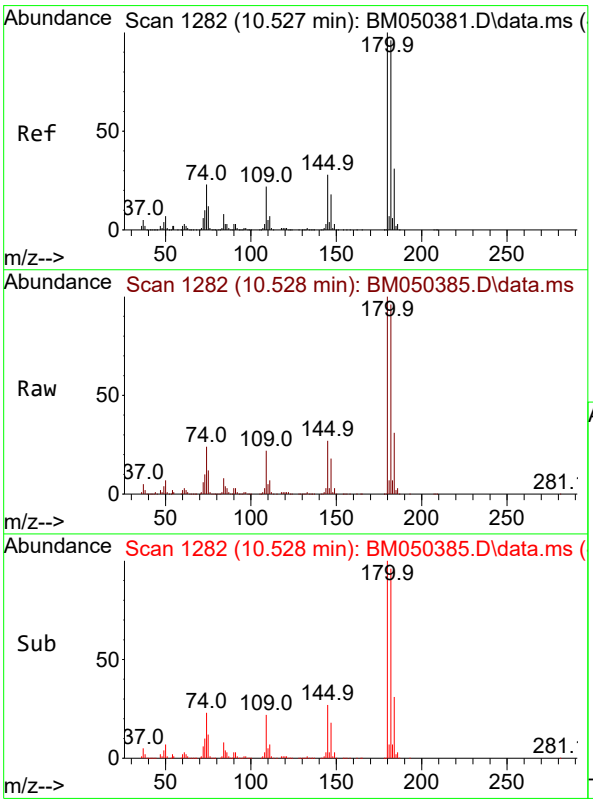

#29
2,4-Dichlorophenol
Concen: 43.061 ng
RT: 10.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:162 Resp: 1042869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.3 | 43.7 | 83.7 |
| 98 | 33.3 | 13.7 | 53.7 |

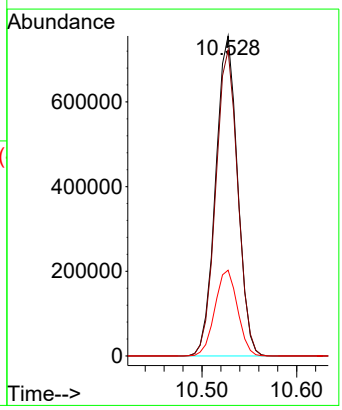


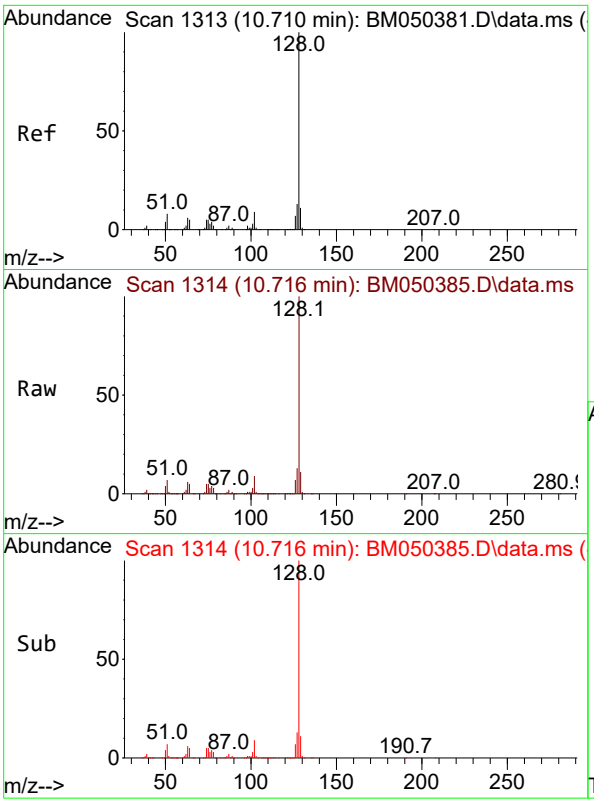




#30
1,2,4-Trichlorobenzene
Concen: 42.001 ng
RT: 10.528 min Scan# 1282
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:180 Resp: 1216831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 76.8 | 115.2 |
| 145 | 26.8 | 22.6 | 33.8 |



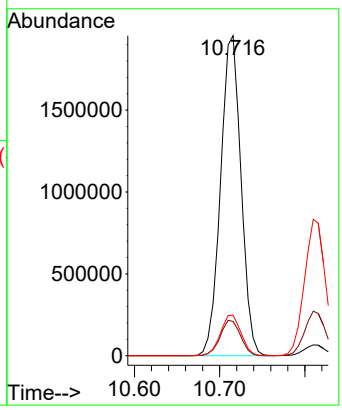


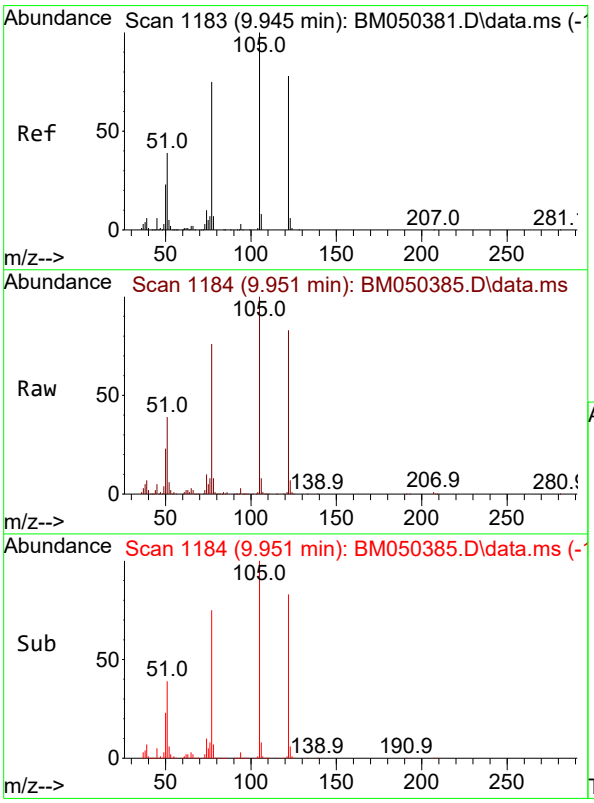

#31
Naphthalene
Concen: 41.281 ng
RT: 10.716 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:128 Resp: 3258495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.7 | 8.8 | 13.2 |
| 127 | 12.7 | 10.4 | 15.6 |

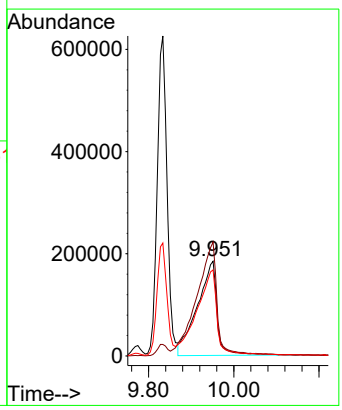


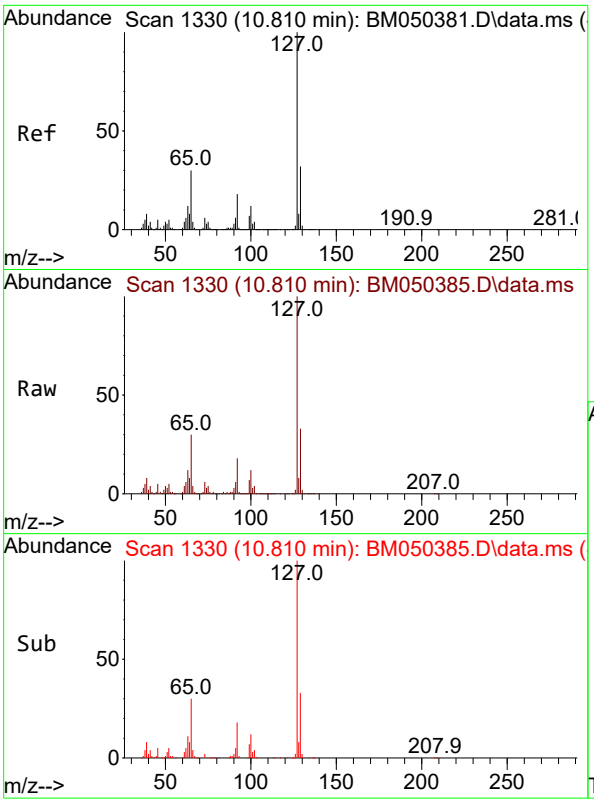




#32
Benzoic acid
Concen: 41.913 ng
RT: 9.951 min Scan# 1184
Delta R.T. 0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:122 Resp: 593935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 120.3 | 104.0 | 144.0 |
| 77 | 90.9 | 73.8 | 113.8 |



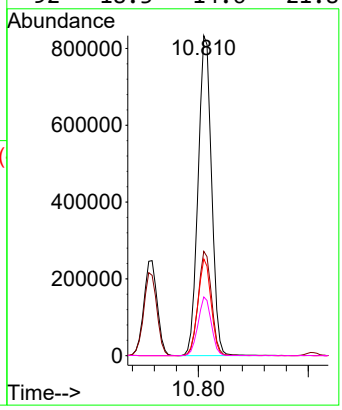


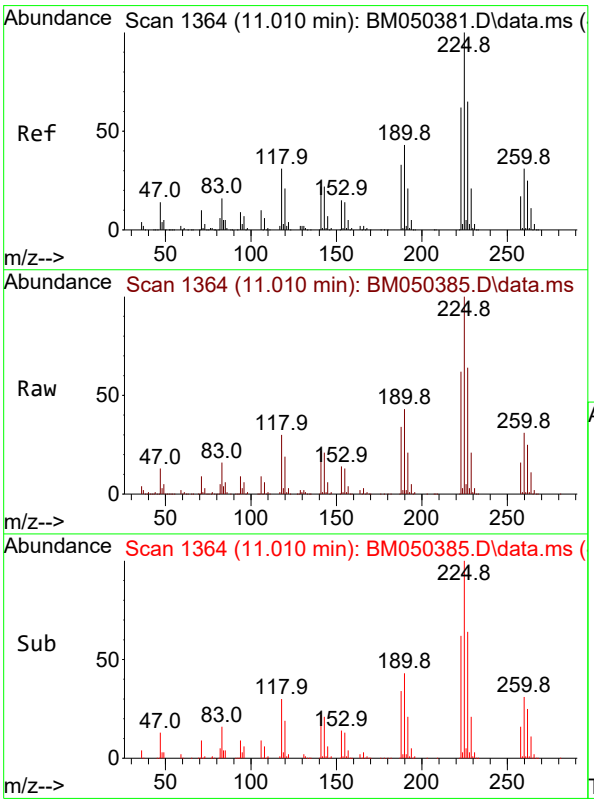

#33
4-Chloroaniline
Concen: 42.424 ng
RT: 10.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:127 Resp: 1415715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.6 | 25.5 | 38.3 |
| 65 | 30.3 | 23.9 | 35.9 |
| 92 | 18.3 | 14.6 | 21.8 |

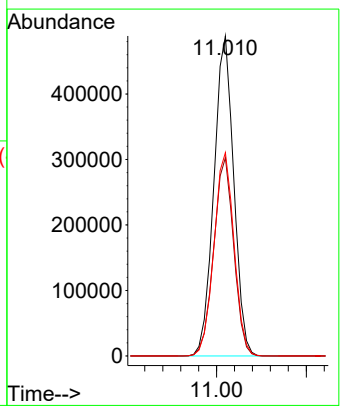


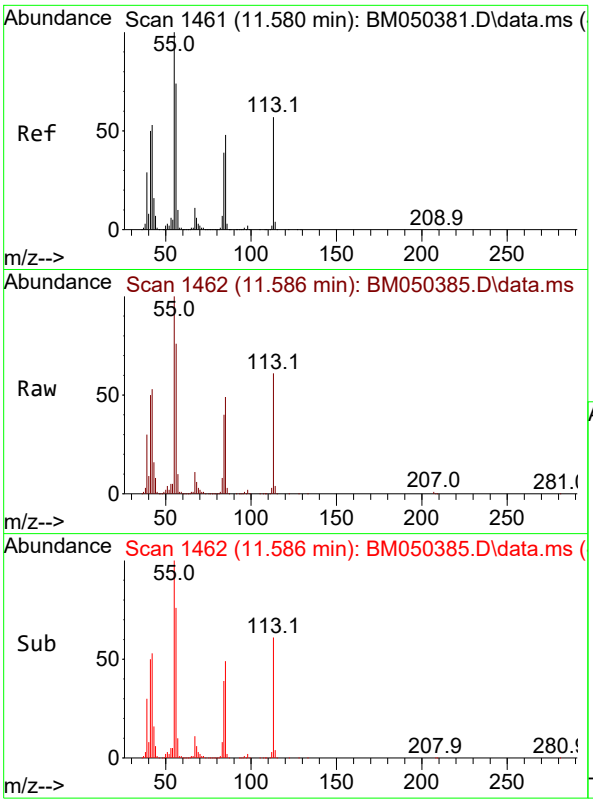




#34
Hexachlorobutadiene
Concen: 42.386 ng
RT: 11.010 min Scan# 1364
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:225 Resp: 749497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.0 | 49.7 | 74.5 |
| 227 | 63.5 | 52.1 | 78.1 |



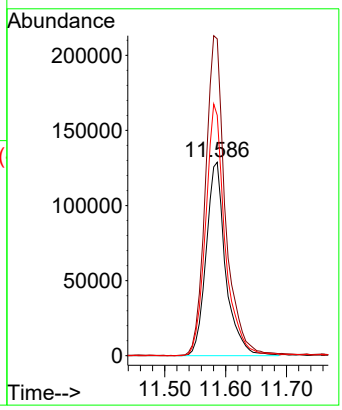


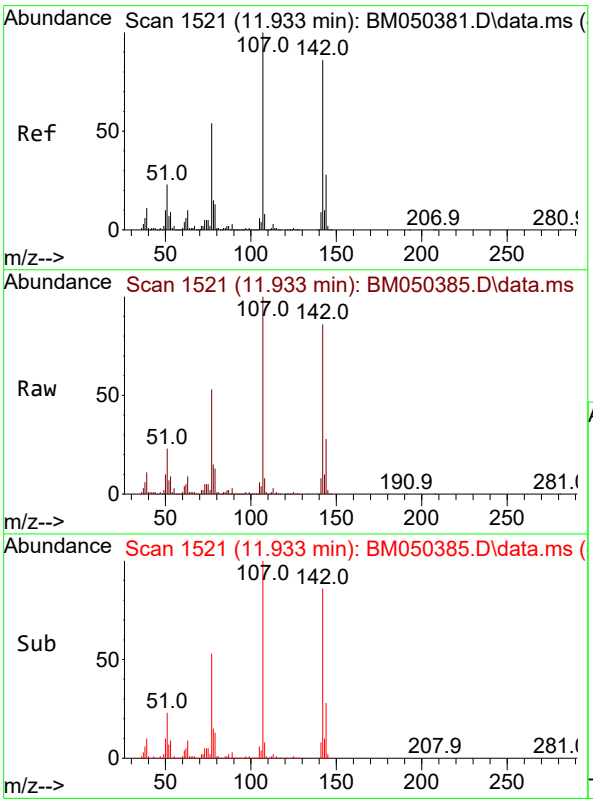

#35
Caprolactam
Concen: 43.156 ng
RT: 11.586 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:113 Resp: 285315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 163.8 | 157.2 | 197.2 |
| 56 | 124.2 | 111.7 | 151.7 |

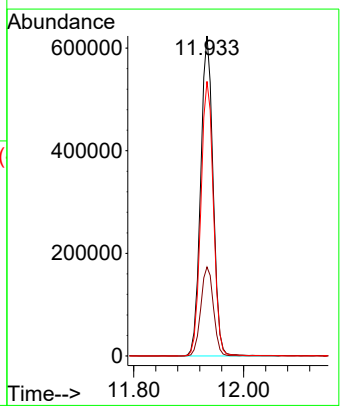


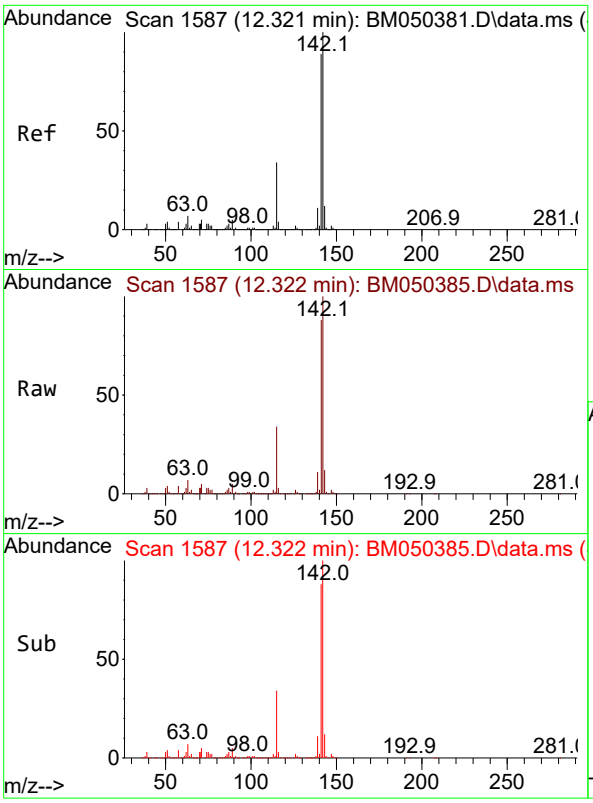




#36
4-Chloro-3-methylphenol
Concen: 43.312 ng
RT: 11.933 min Scan# 1521
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:107 Resp: 979521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 27.8 | 22.2 | 33.4 |
| 142 | 85.8 | 68.7 | 103.1 |



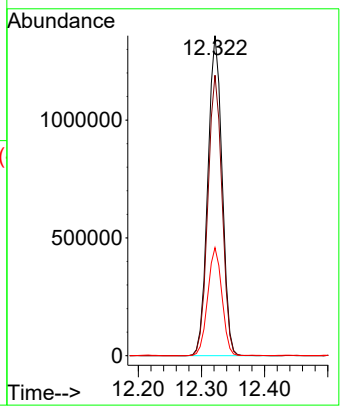


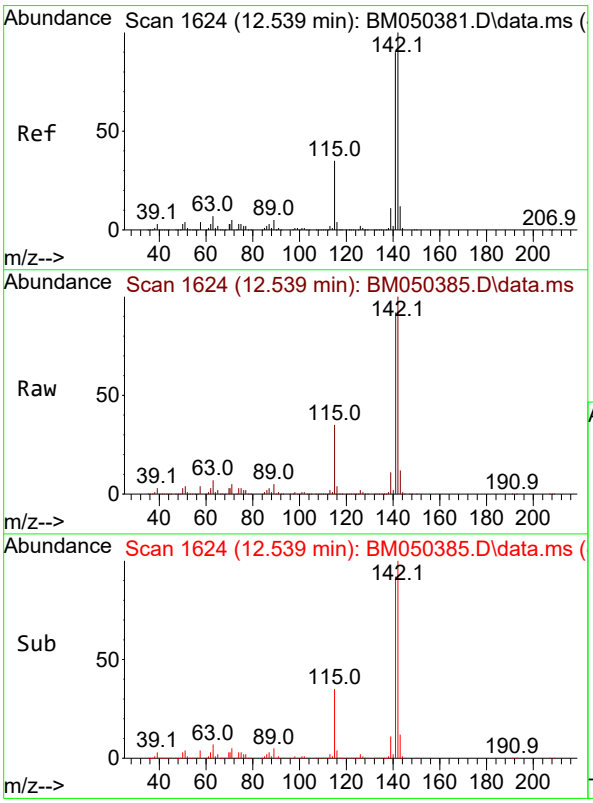

#37
2-Methylnaphthalene
Concen: 42.637 ng
RT: 12.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:142 Resp: 2124989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.6 | 70.8 | 106.2 |
| 115 | 33.7 | 27.0 | 40.4 |

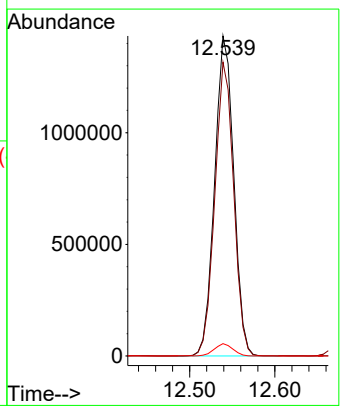


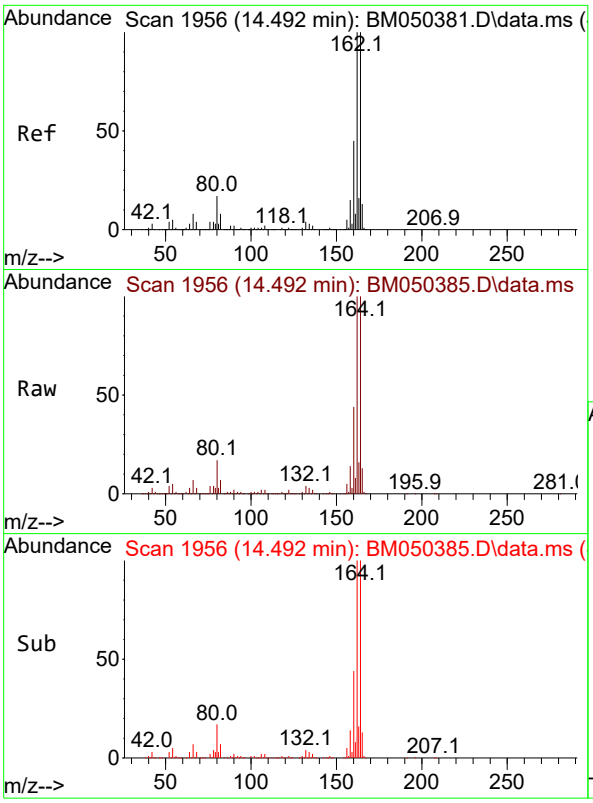




#38
1-Methylnaphthalene
Concen: 42.292 ng
RT: 12.539 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:142 Resp: 2230710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.8 | 71.9 | 107.9 |
| 116 | 3.9 | 3.0 | 4.6 |



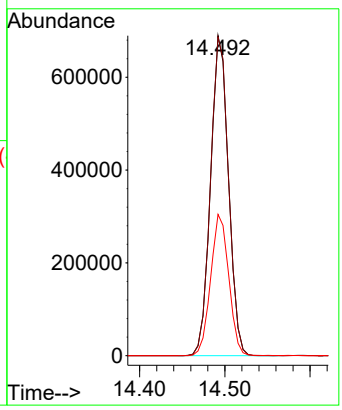


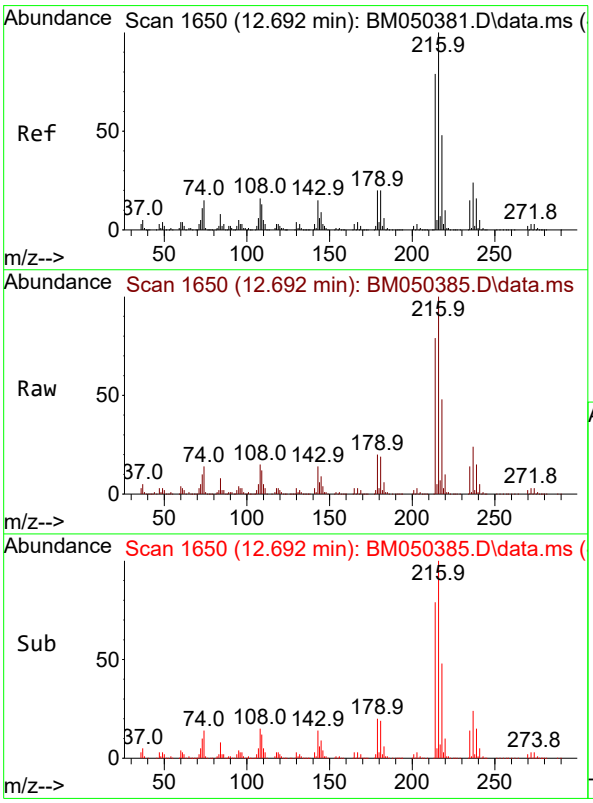

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:164 Resp: 1008264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.6 | 79.9 | 119.9 |
| 160 | 44.1 | 36.2 | 54.4 |

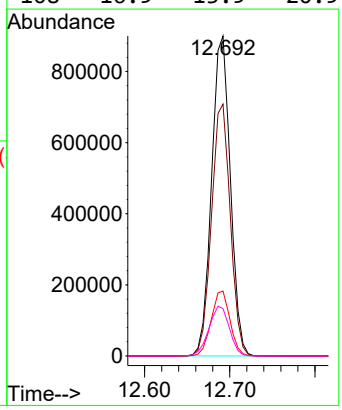


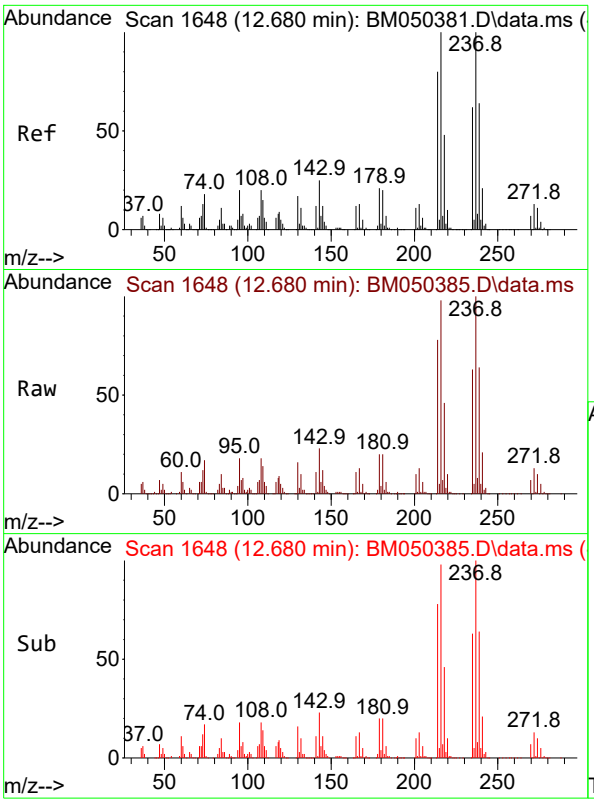




#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.859 ng
RT: 12.692 min Scan# 1650
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:216 Resp: 1374217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.0 | 63.3 | 94.9 |
| 179 | 20.4 | 16.4 | 24.6 |
| 108 | 16.9 | 13.9 | 20.9 |



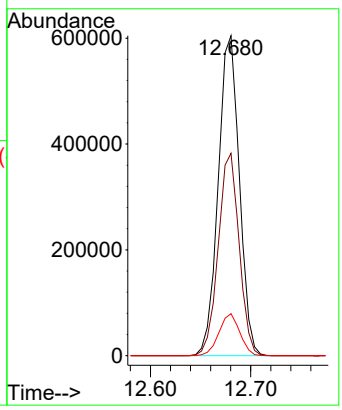


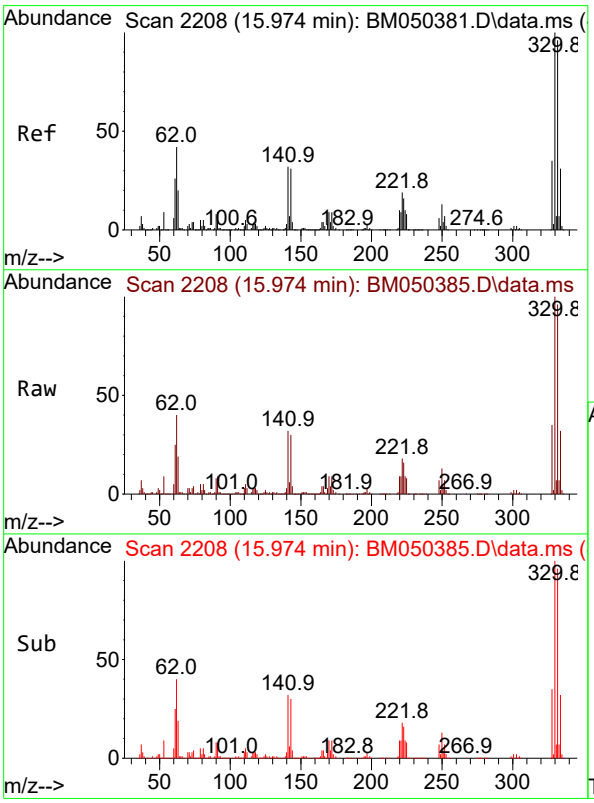

#41
Hexachlorocyclopentadiene
Concen: 43.015 ng
RT: 12.680 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:237 Resp: 881607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.2 | 42.3 | 82.3 |
| 272 | 13.1 | 0.0 | 33.0 |

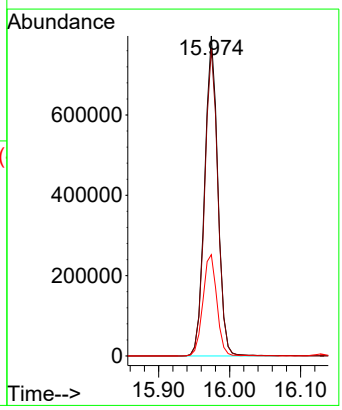


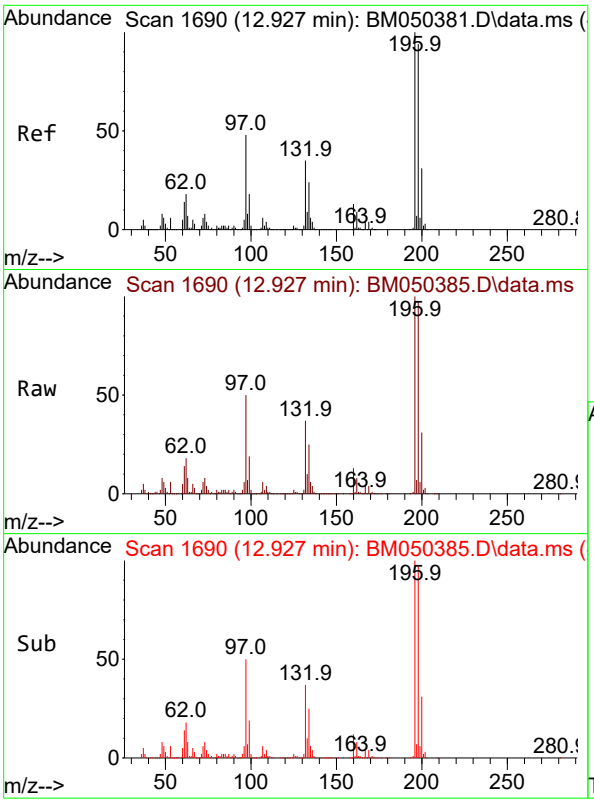




#42
2,4,6-Tribromophenol
Concen: 83.788 ng
RT: 15.974 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:330 Resp: 1026446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 76.9 | 115.3 |
| 141 | 33.5 | 27.4 | 41.0 |



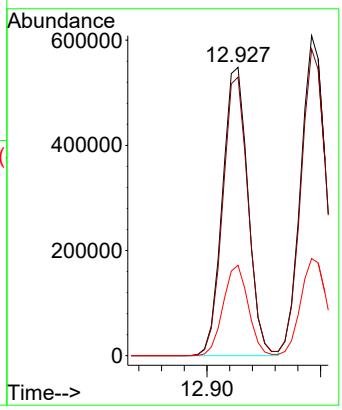


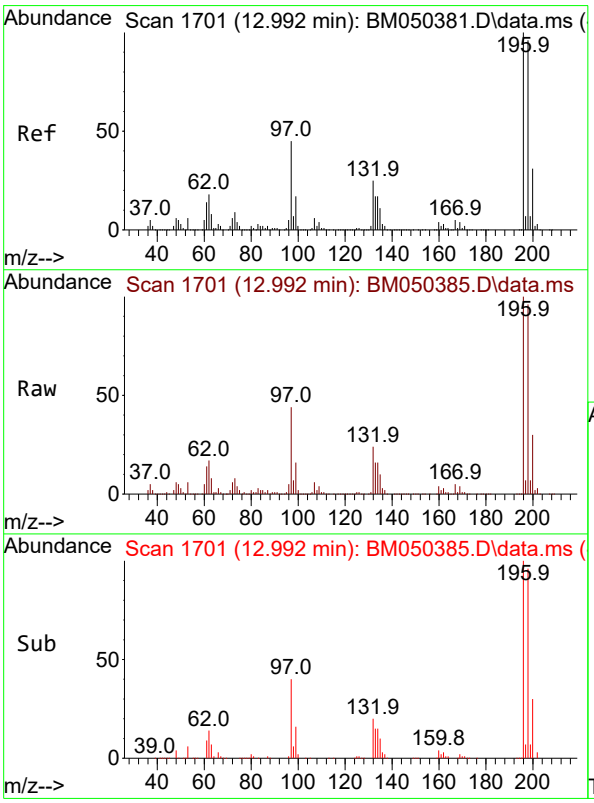

#43
2,4,6-Trichlorophenol
Concen: 43.485 ng
RT: 12.927 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:196 Resp: 858251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.6 | 75.1 | 112.7 |
| 200 | 31.3 | 24.6 | 37.0 |

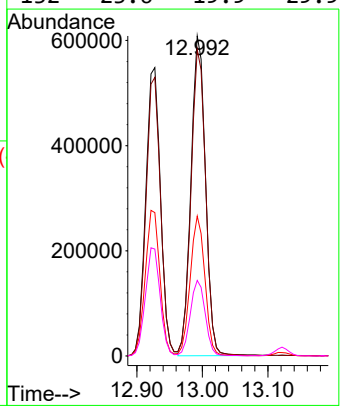


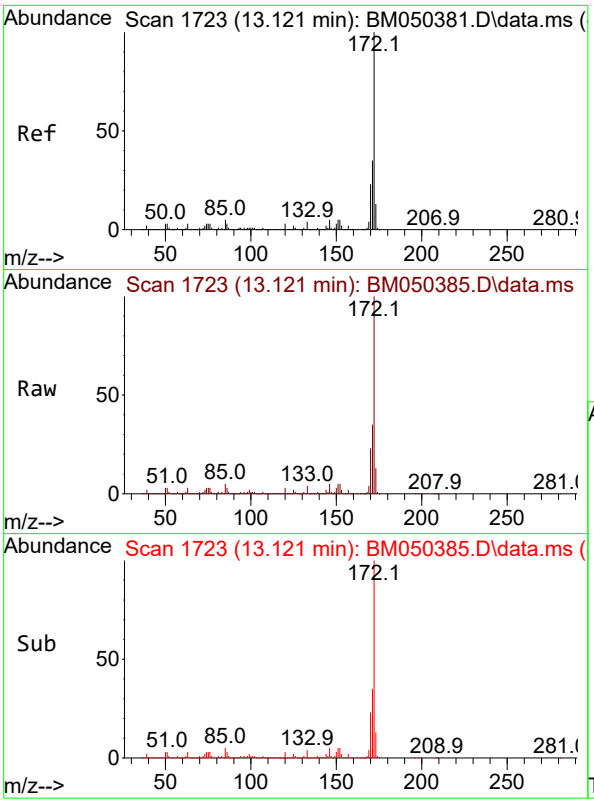




#44
2,4,5-Trichlorophenol
Concen: 43.542 ng
RT: 12.992 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:196 Resp: 938542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.8 | 77.2 | 115.8 |
| 97 | 43.7 | 36.2 | 54.4 |
| 132 | 23.6 | 19.9 | 29.9 |



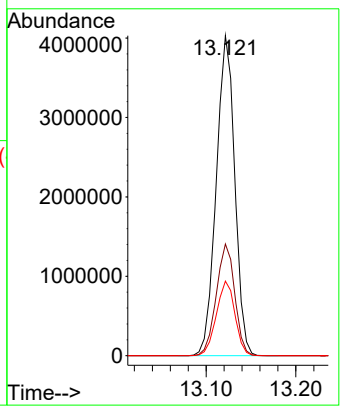


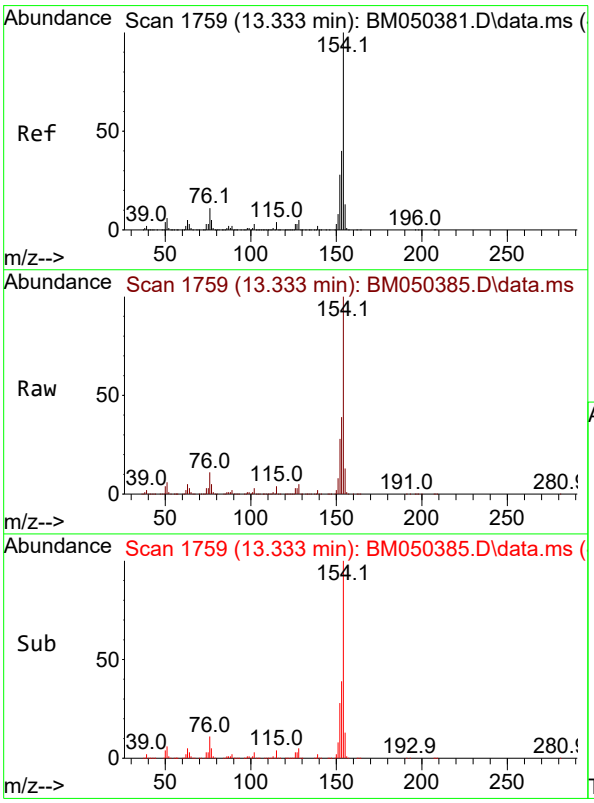

#45
2-Fluorobiphenyl
Concen: 70.689 ng
RT: 13.121 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:172 Resp: 5771427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 27.7 | 41.5 |
| 170 | 23.3 | 18.8 | 28.2 |

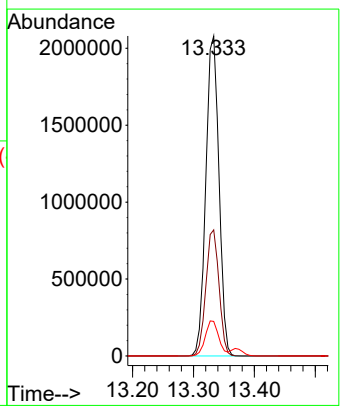


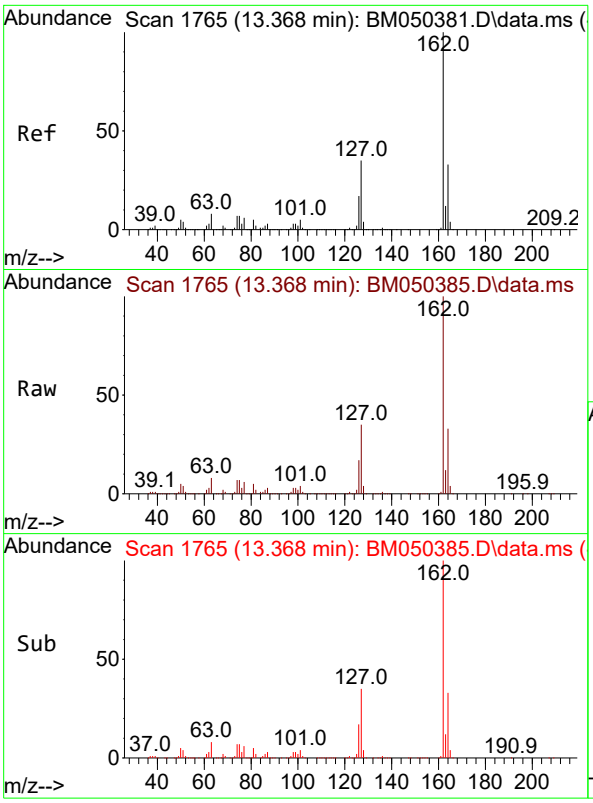




#46
1,1'-Biphenyl
Concen: 41.557 ng
RT: 13.333 min Scan# 1759
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:154 Resp: 3108770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.4 | 19.7 | 59.7 |
| 76 | 10.8 | 0.0 | 30.9 |



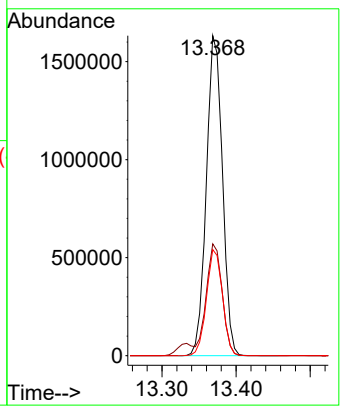


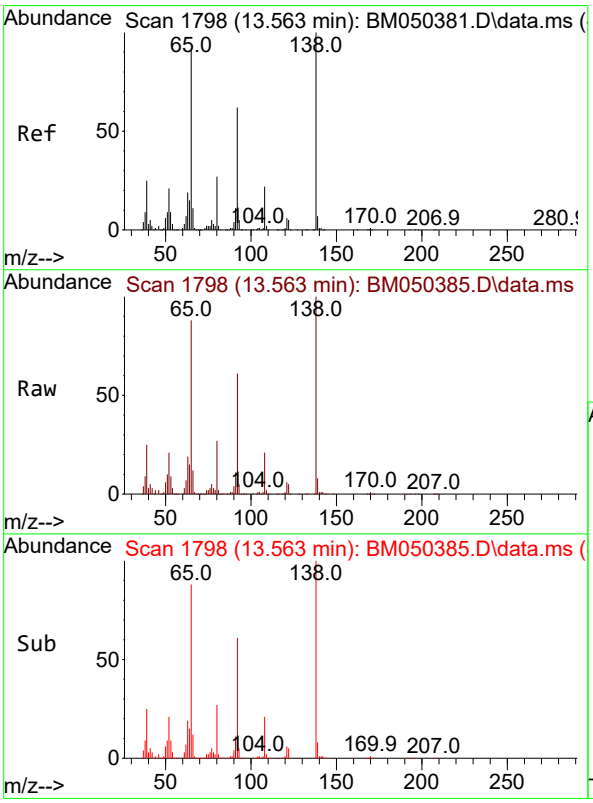

#47
2-Chloronaphthalene
Concen: 41.272 ng
RT: 13.368 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:162 Resp: 2461641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 35.0 | 28.3 | 42.5 |
| 164 | 33.2 | 26.6 | 40.0 |

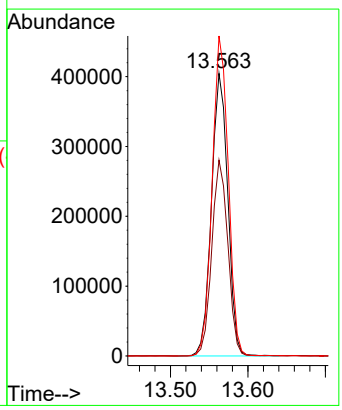


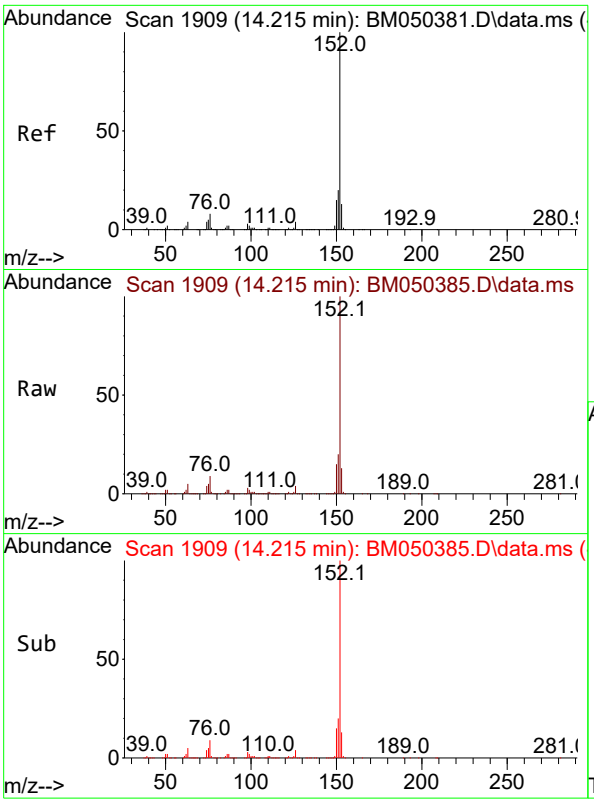




#48
2-Nitroaniline
Concen: 44.497 ng
RT: 13.563 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 65 Resp: 592401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 69.3 | 54.3 | 81.5 |
| 138 | 113.2 | 87.8 | 131.6 |



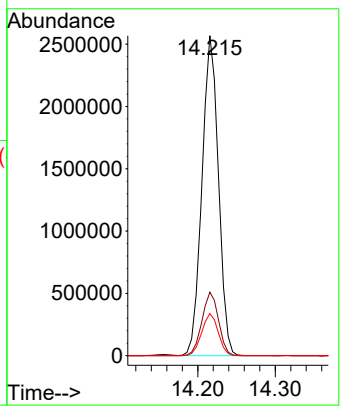


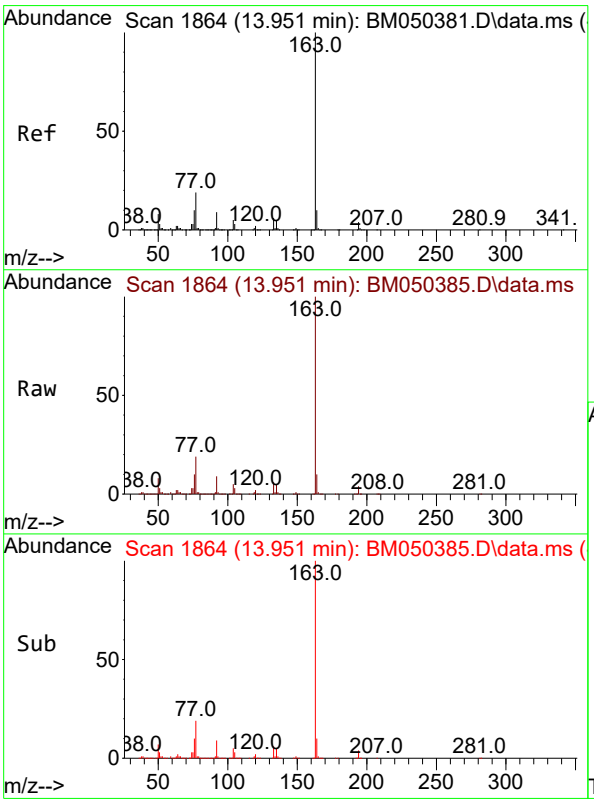

#49
Acenaphthylene
Concen: 41.972 ng
RT: 14.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:152 Resp: 3783308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 16.3 | 24.5 |
| 153 | 13.1 | 10.6 | 15.8 |

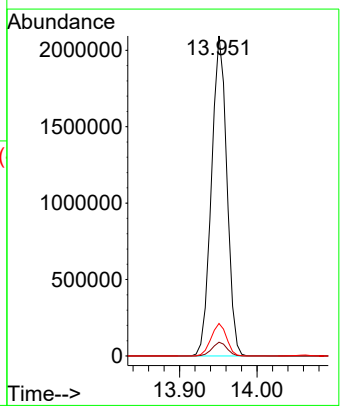


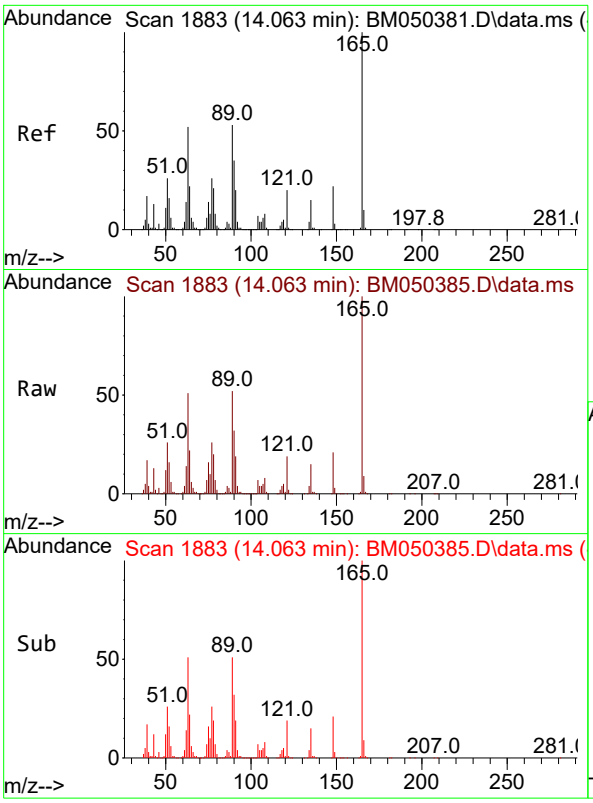




#50
Dimethylphthalate
Concen: 41.635 ng
RT: 13.951 min Scan# 1864
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:163 Resp: 2890119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.2 |
| 164 | 10.1 | 8.2 | 12.2 |



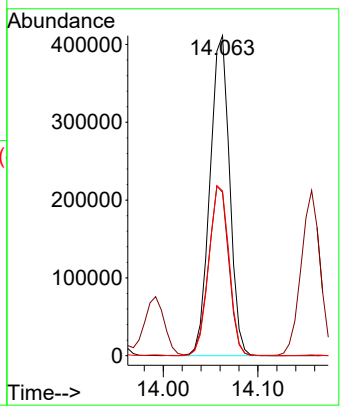


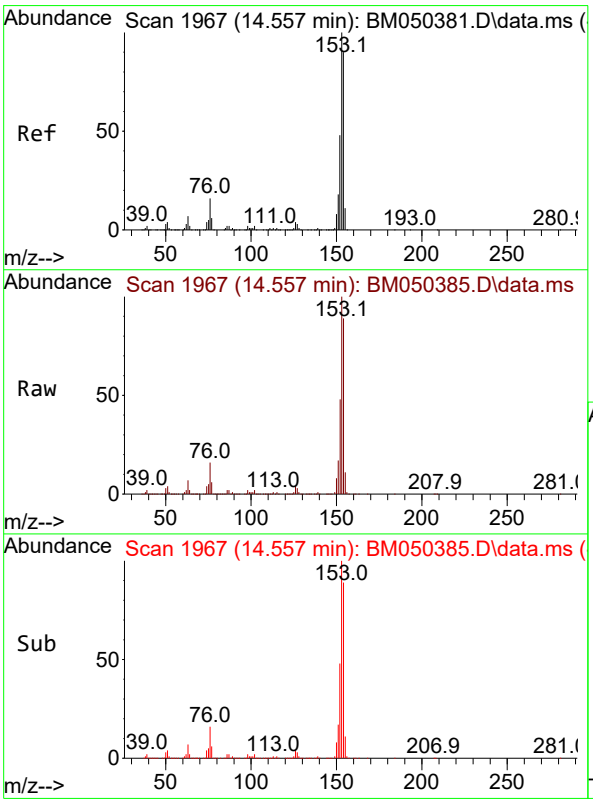

#51
2,6-Dinitrotoluene
Concen: 44.405 ng
RT: 14.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:165 Resp: 591843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 51.1 | 42.4 | 63.6 |
| 89 | 51.5 | 42.2 | 63.2 |

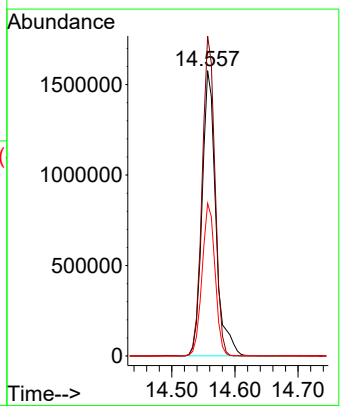


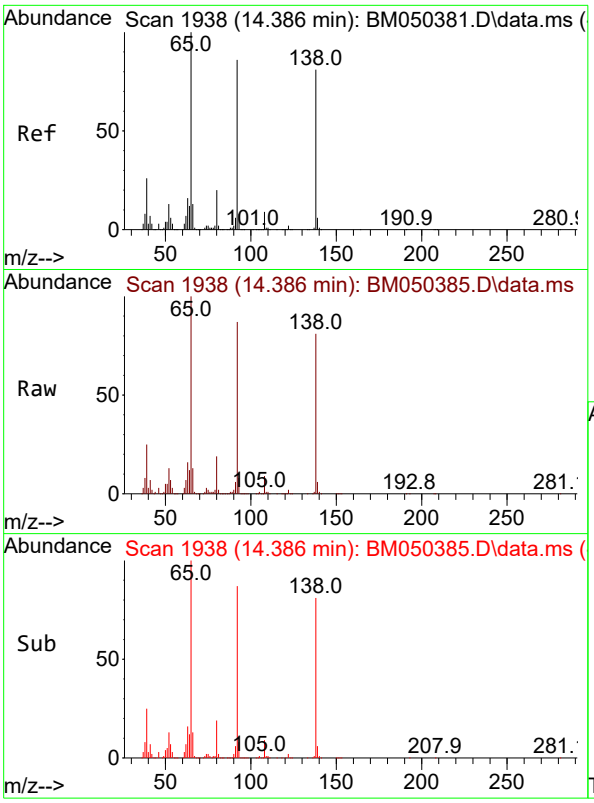




#52
Acenaphthene
Concen: 41.562 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:154 Resp: 2381763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.1 | 89.2 | 133.8 |
| 152 | 53.5 | 42.6 | 64.0 |



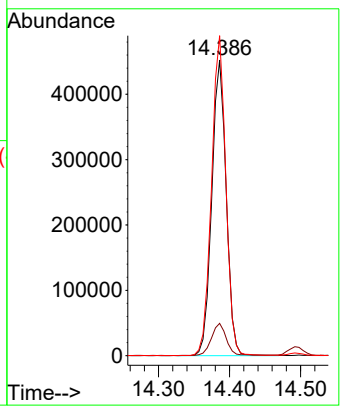


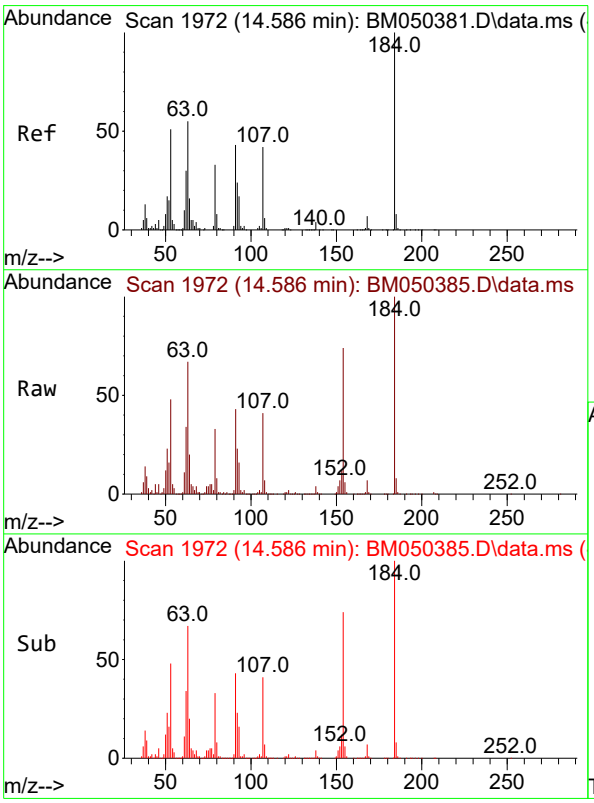

#53
3-Nitroaniline
Concen: 44.871 ng
RT: 14.386 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:138 Resp: 636015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.0 | 8.8 | 13.2 |
| 92 | 108.2 | 85.0 | 127.6 |

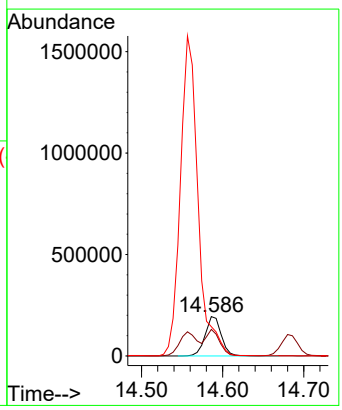


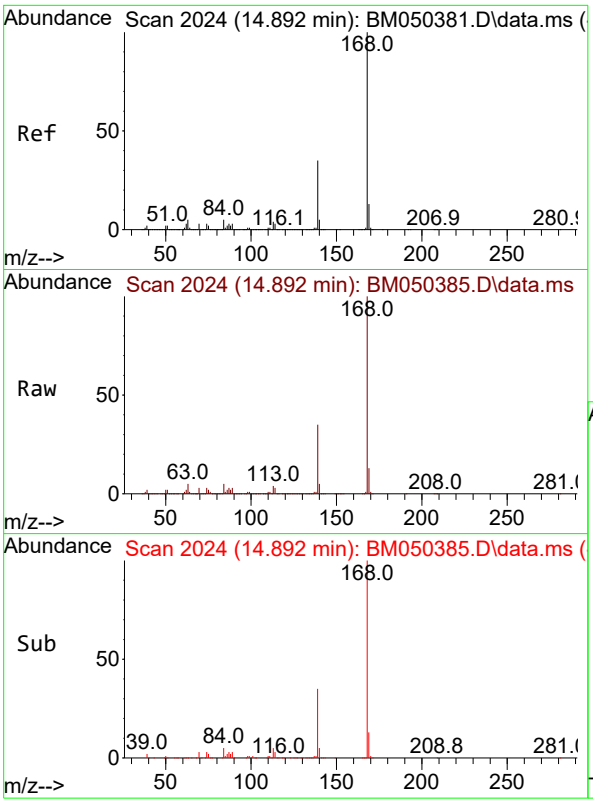




#54
2,4-Dinitrophenol
Concen: 39.797 ng
RT: 14.586 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:184 Resp: 266947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 67.3 | 53.4 | 80.0 |
| 154 | 74.3 | 61.6 | 92.4 |



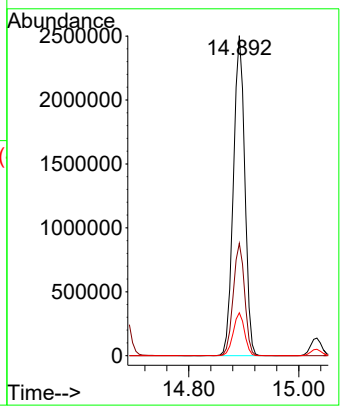


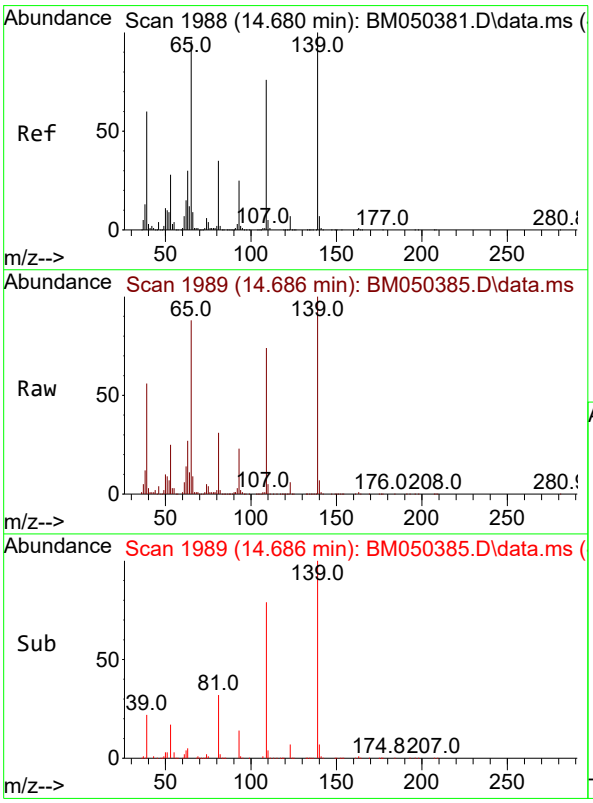

#55
Dibenzofuran
Concen: 40.877 ng
RT: 14.892 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:168 Resp: 3609413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 35.1 | 27.7 | 41.5 |
| 169 | 13.4 | 10.7 | 16.1 |

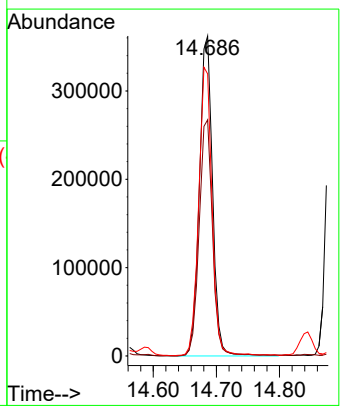


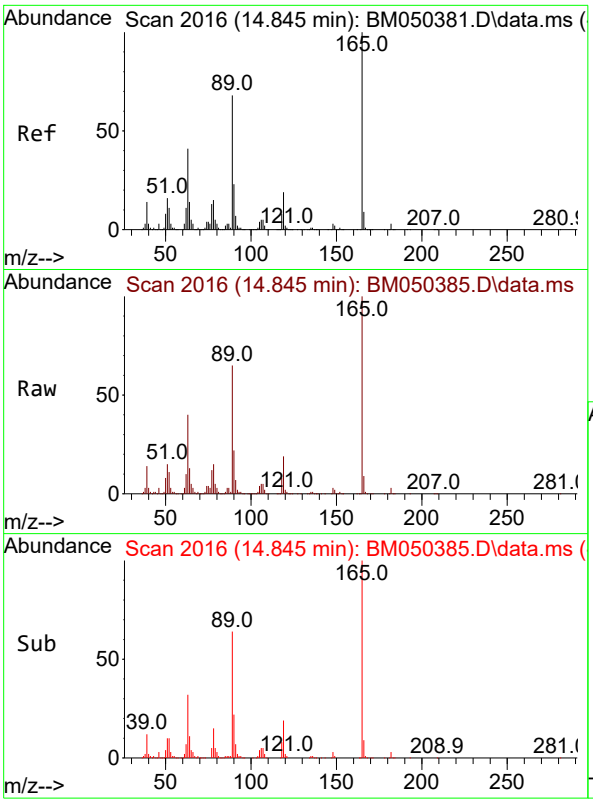




#56
4-Nitrophenol
Concen: 42.822 ng
RT: 14.686 min Scan# 1989
Delta R.T. 0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:139 Resp: 521977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 73.8 | 56.5 | 96.5 |
| 65 | 88.1 | 76.4 | 116.4 |



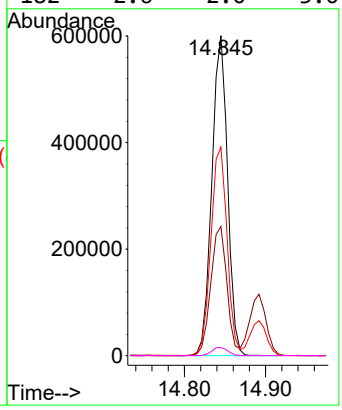


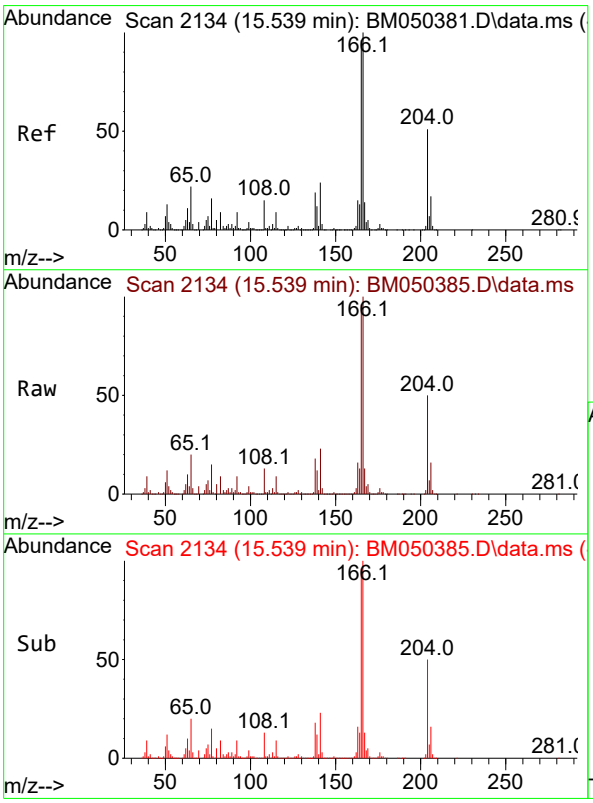

#57
2,4-Dinitrotoluene
Concen: 40.905 ng
RT: 14.845 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:165 Resp: 807634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 40.3 | 32.5 | 48.7 |
| 89 | 65.1 | 54.0 | 81.0 |
| 182 | 2.6 | 2.0 | 3.0 |

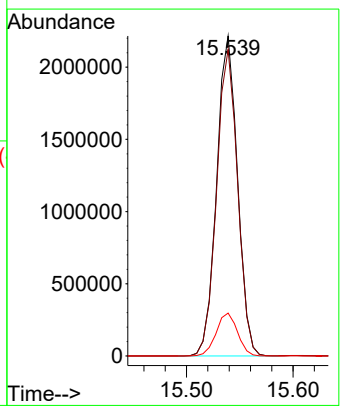


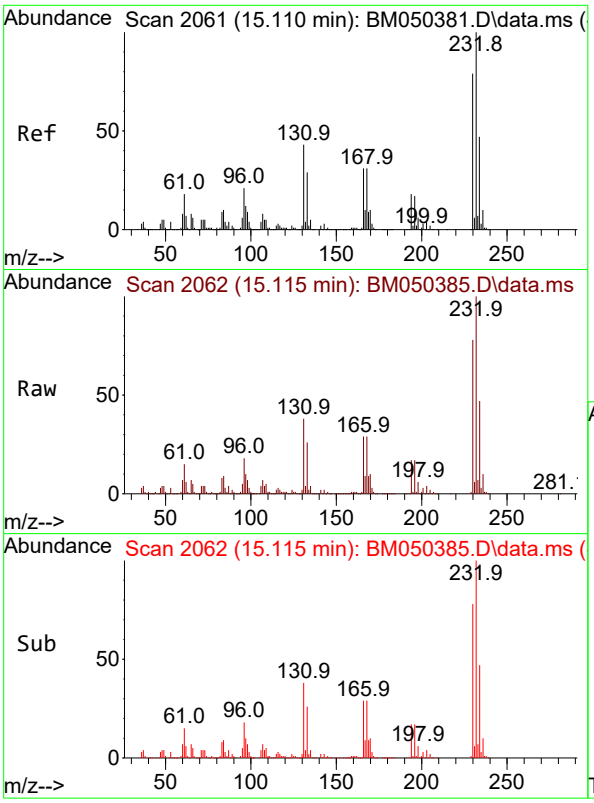




#58
Fluorene
Concen: 41.425 ng
RT: 15.539 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:166 Resp: 3012801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 95.8 | 77.0 | 115.6 |
| 167 | 13.4 | 10.9 | 16.3 |



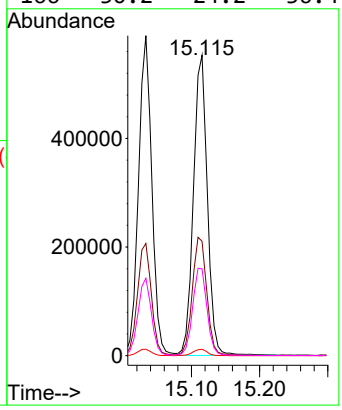


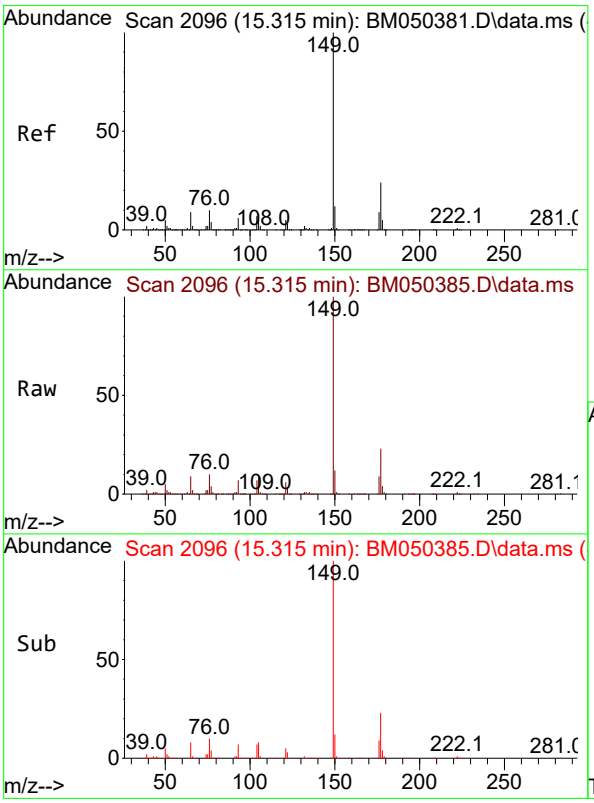

#59
2,3,4,6-Tetrachlorophenol
Concen: 43.229 ng
RT: 15.115 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:232 Resp: 784378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 41.1 | 33.4 | 50.0 |
| 130 | 2.2 | 1.8 | 2.6 |
| 166 | 30.2 | 24.2 | 36.4 |

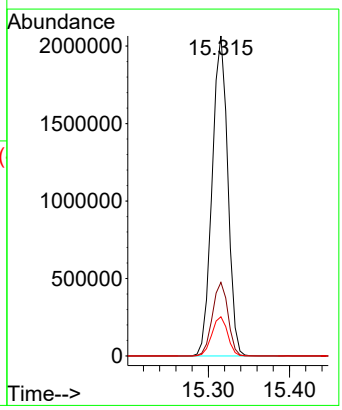


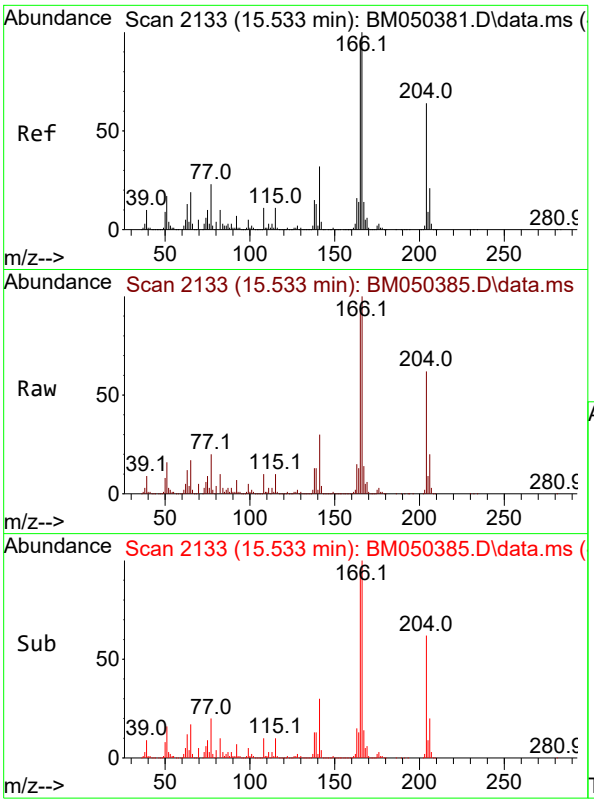




#60
Diethylphthalate
Concen: 41.609 ng
RT: 15.315 min Scan# 2096
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:149 Resp: 2759041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.0 | 18.8 | 28.2 |
| 150 | 12.2 | 9.8 | 14.8 |



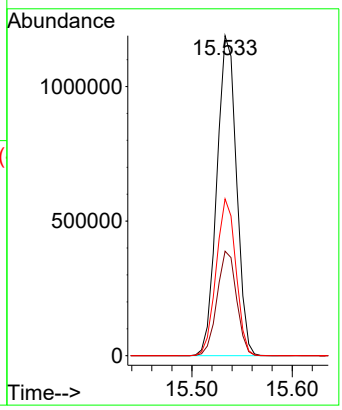


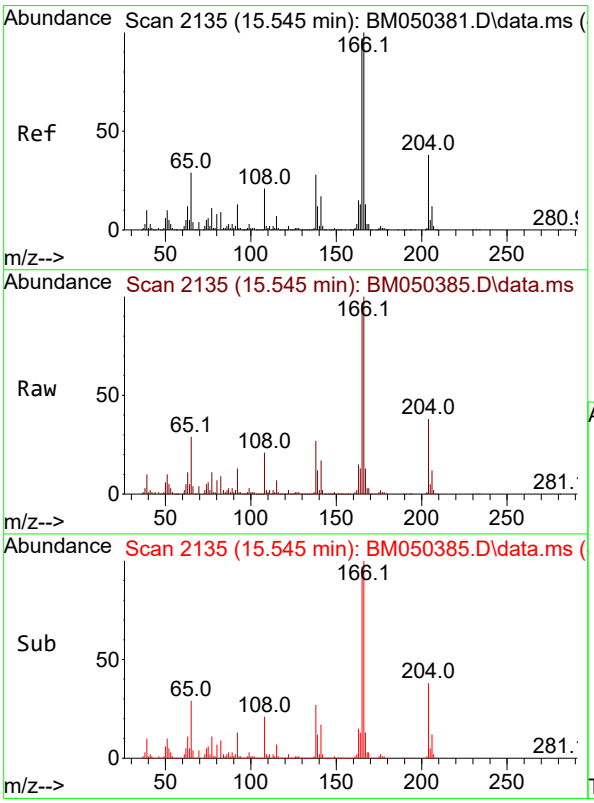

#61
4-Chlorophenyl-phenylether
Concen: 42.288 ng
RT: 15.533 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:204 Resp: 1608200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.7 | 26.6 | 39.8 |
| 141 | 49.0 | 39.9 | 59.9 |

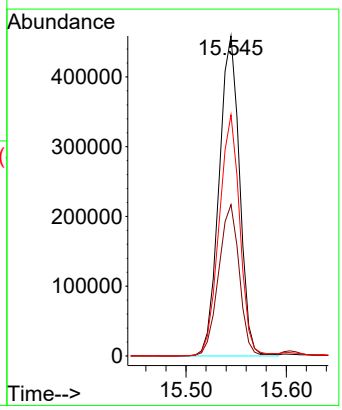


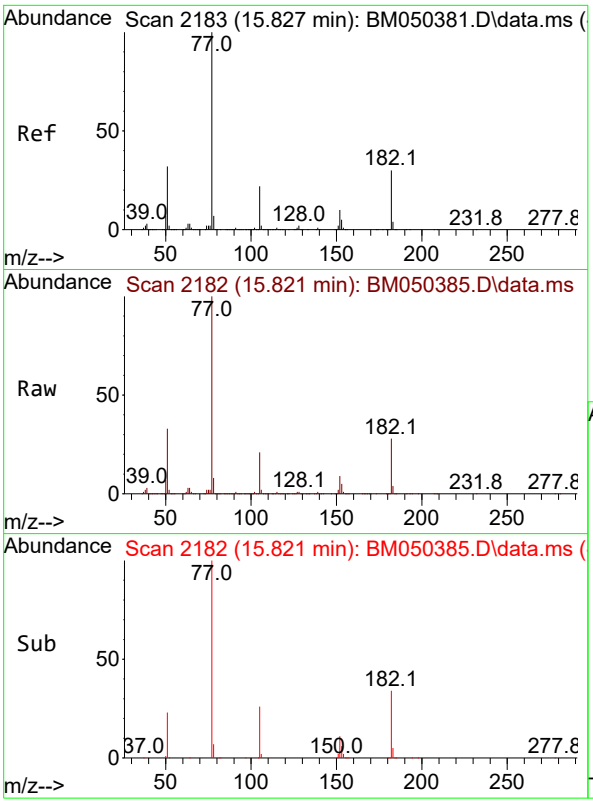




#62
4-Nitroaniline
Concen: 40.288 ng
RT: 15.545 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:138 Resp: 649355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 47.3 | 24.5 | 64.5 |
| 108 | 75.4 | 52.5 | 92.5 |



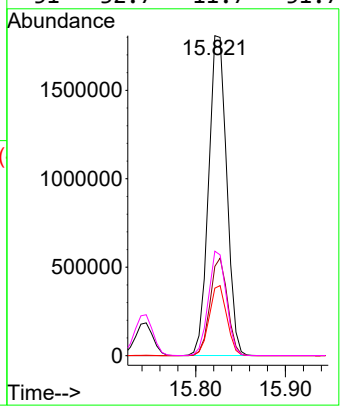


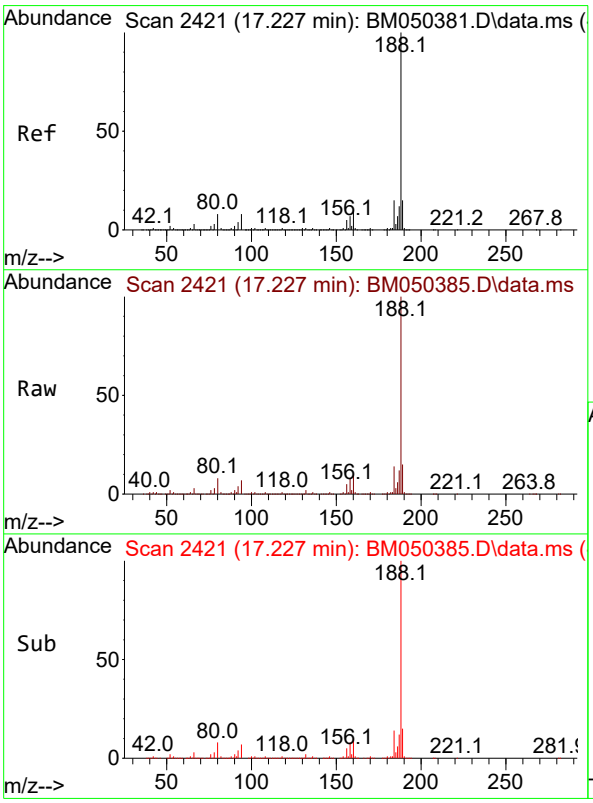

#63
Azobenzene
Concen: 41.531 ng
RT: 15.821 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion: 77 Resp: 2528721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.9 | 10.0 | 50.0 |
| 105 | 21.1 | 2.0 | 42.0 |
| 51 | 32.7 | 11.7 | 51.7 |

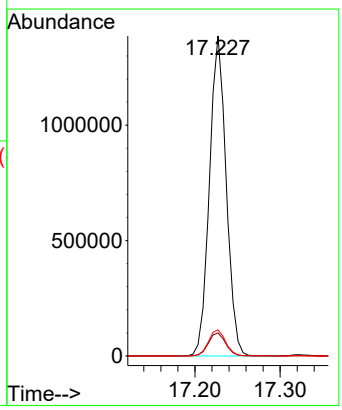


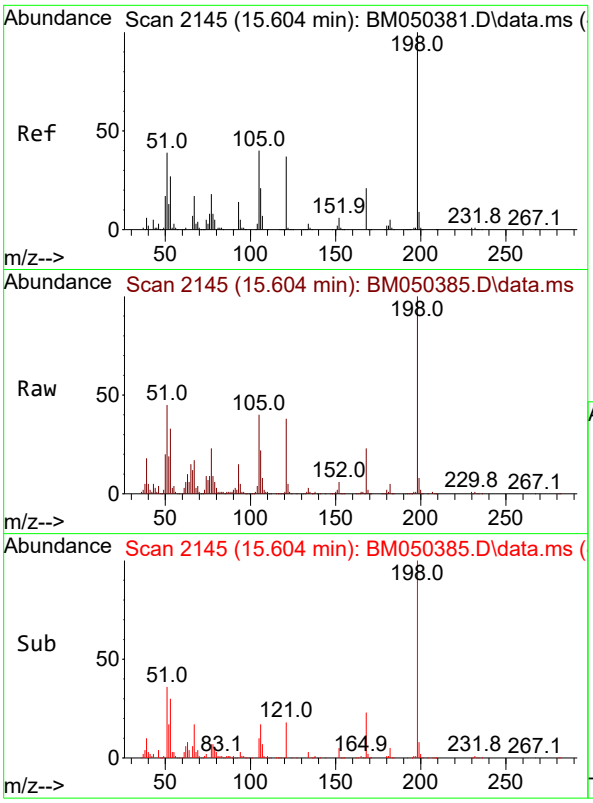




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:188 Resp: 1898481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.2 | 6.0 | 9.0 |
| 80 | 8.2 | 6.5 | 9.7 |



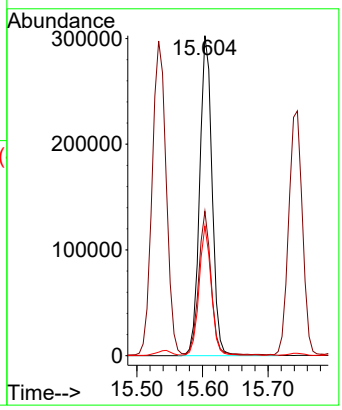


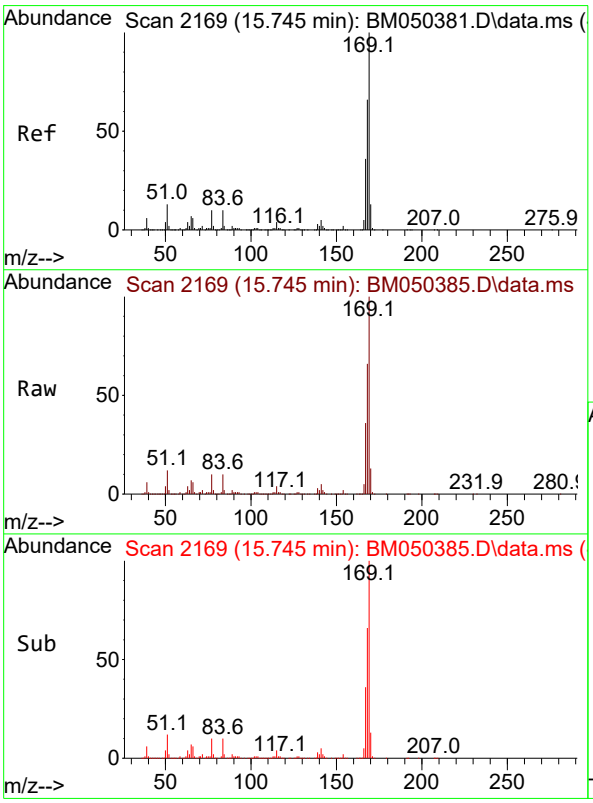

#65
4,6-Dinitro-2-methylphenol
Concen: 40.334 ng
RT: 15.604 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:198 Resp: 399918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 45.1 | 26.6 | 66.6 |
| 105 | 40.5 | 20.9 | 60.9 |

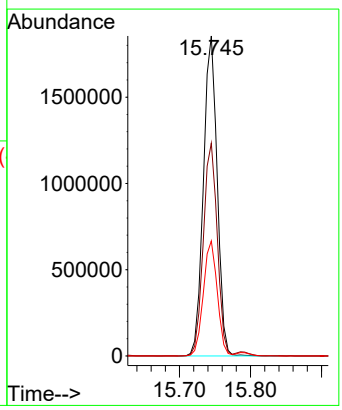


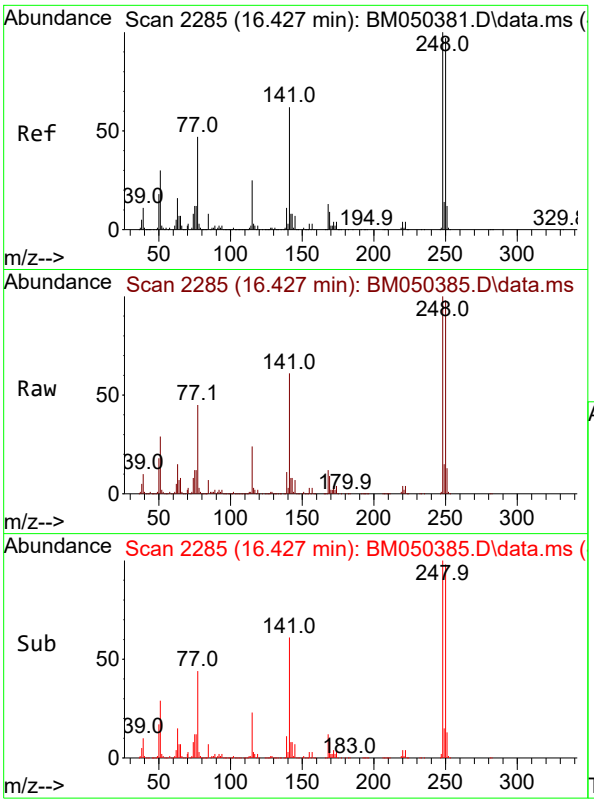




#66
n-Nitrosodiphenylamine
Concen: 42.198 ng
RT: 15.745 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:169 Resp: 2506809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.5 | 53.2 | 79.8 |
| 167 | 36.0 | 28.7 | 43.1 |



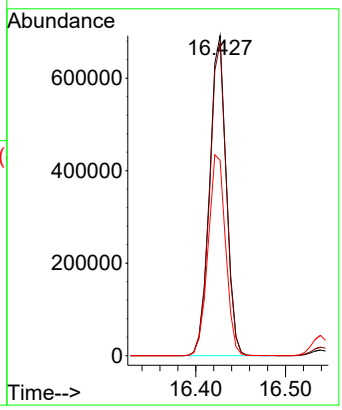


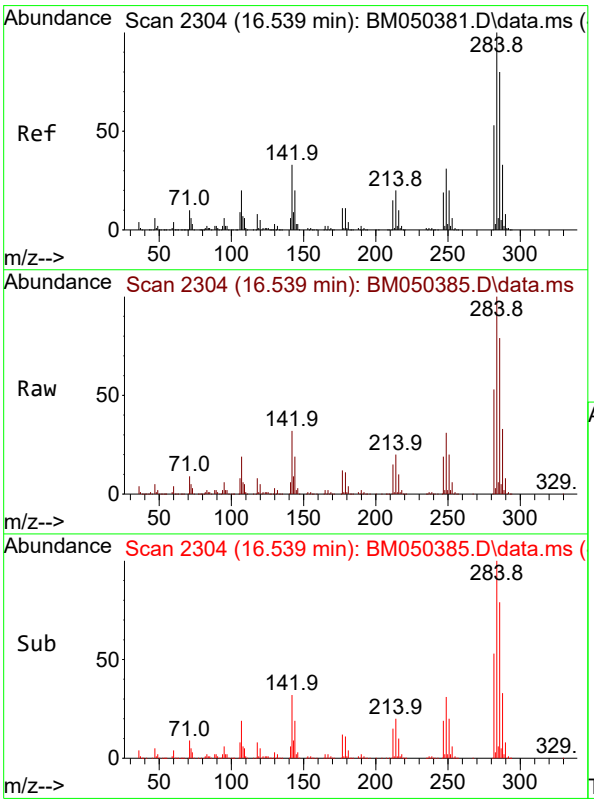

#67
4-Bromophenyl-phenylether
Concen: 42.755 ng
RT: 16.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:248 Resp: 894310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.7 | 77.9 | 116.9 |
| 141 | 61.0 | 49.7 | 74.5 |

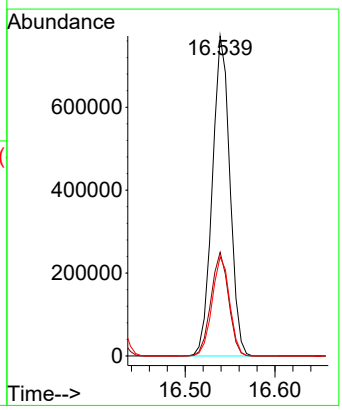


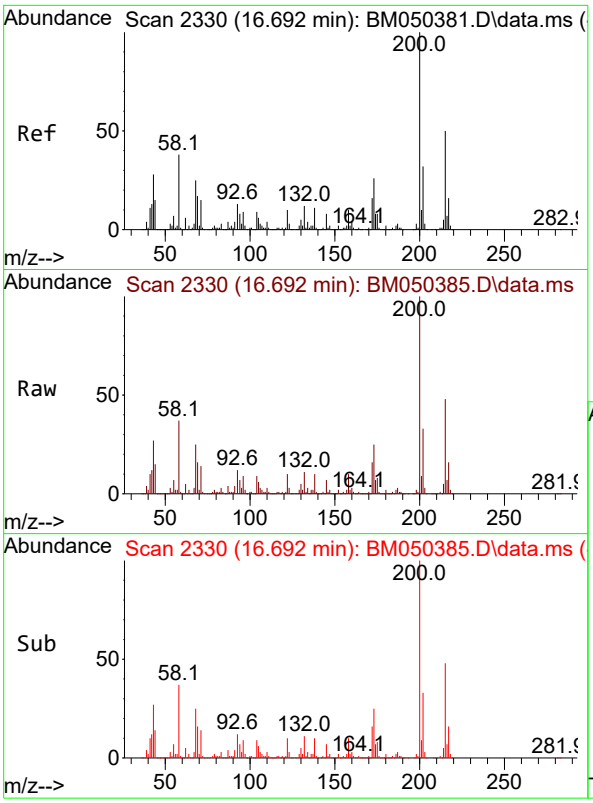




#68
Hexachlorobenzene
Concen: 42.380 ng
RT: 16.539 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:284 Resp: 1046980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.4 | 26.8 | 40.2 |
| 249 | 31.0 | 24.5 | 36.7 |



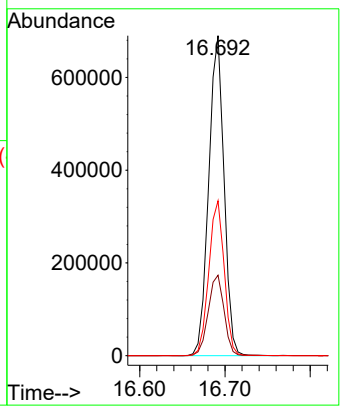


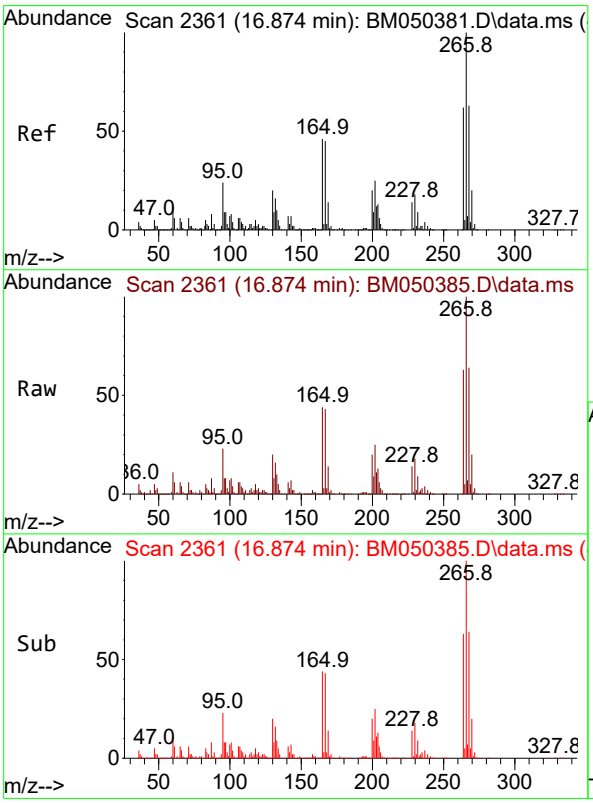

#69
Atrazine
Concen: 44.212 ng
RT: 16.692 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:200 Resp: 862455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.2 | 5.6 | 45.6 |
| 215 | 48.4 | 29.6 | 69.6 |

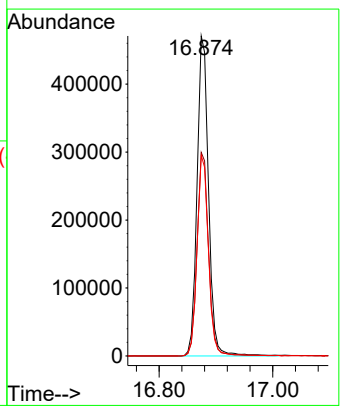


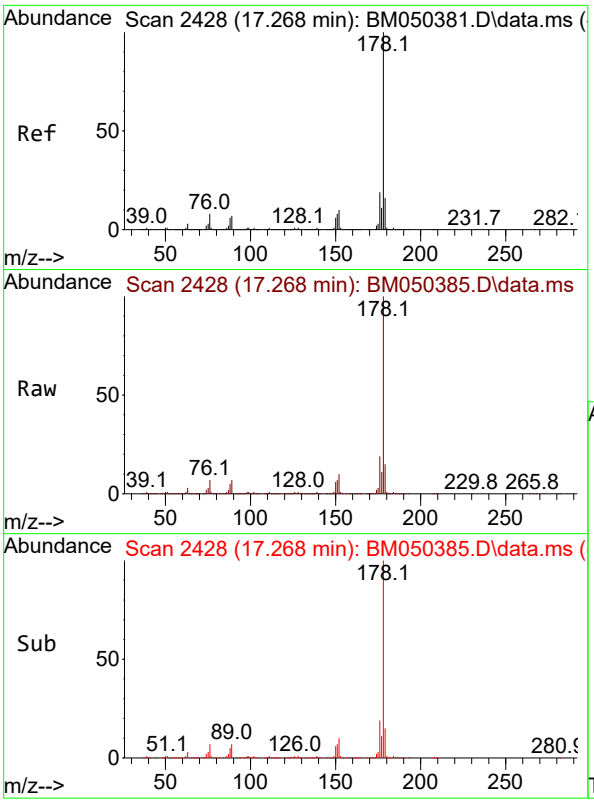




#70
Pentachlorophenol
Concen: 43.075 ng
RT: 16.874 min Scan# 2361
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:266 Resp: 662449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.6 | 50.5 | 75.7 |
| 264 | 62.6 | 49.9 | 74.9 |



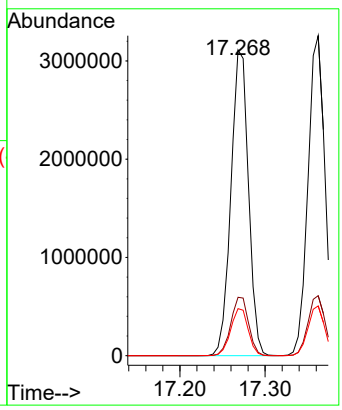


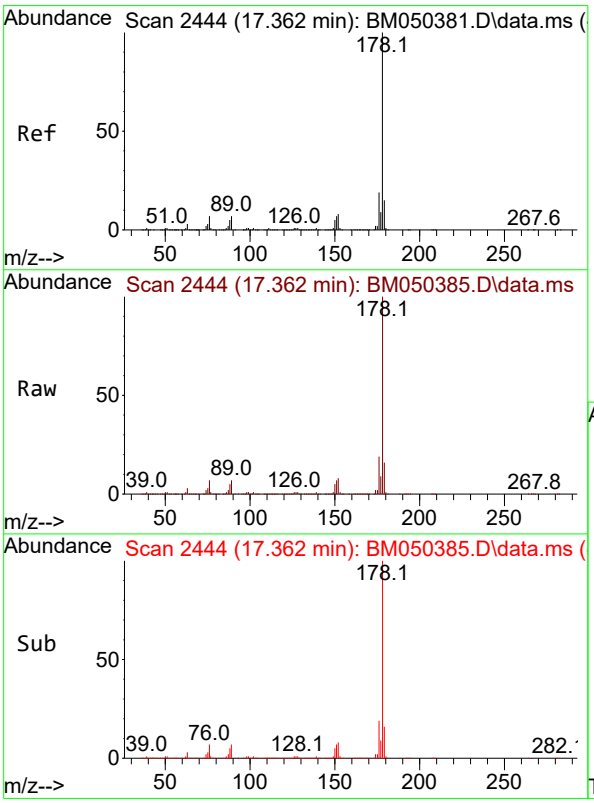

#71
Phenanthrene
Concen: 41.373 ng
RT: 17.268 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:178 Resp: 4444618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.4 | 23.0 |
| 179 | 15.4 | 12.5 | 18.7 |

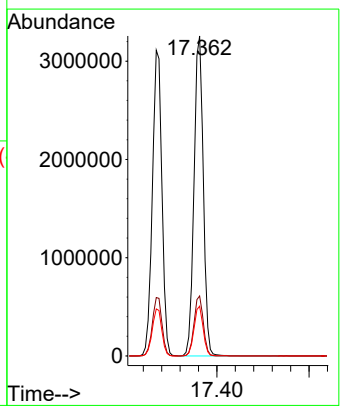


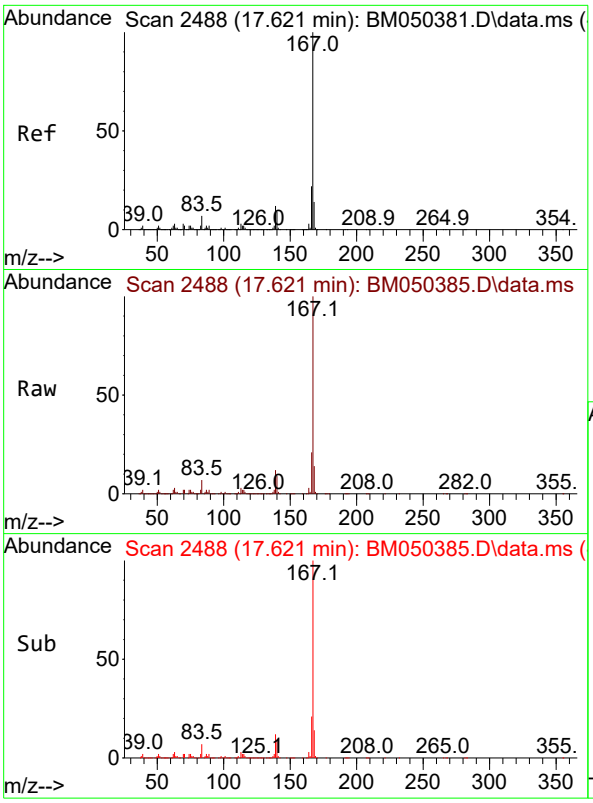




#72
Anthracene
Concen: 42.316 ng
RT: 17.362 min Scan# 2444
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:178 Resp: 4525011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 14.9 | 22.3 |
| 179 | 15.5 | 12.2 | 18.4 |



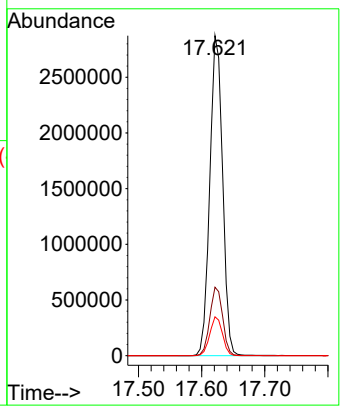


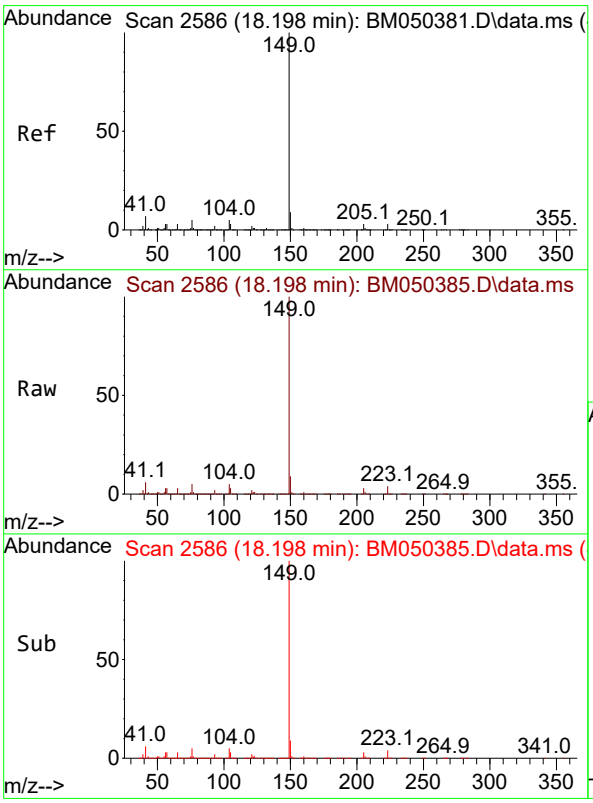

#73
Carbazole
Concen: 41.806 ng
RT: 17.621 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:167 Resp: 4044979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.2 | 25.8 |
| 139 | 12.2 | 9.9 | 14.9 |

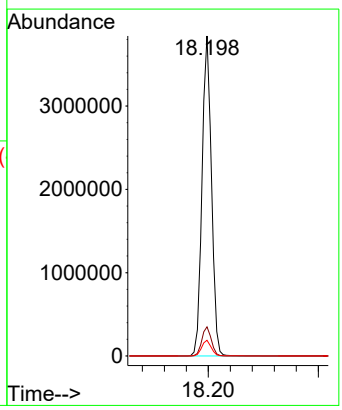


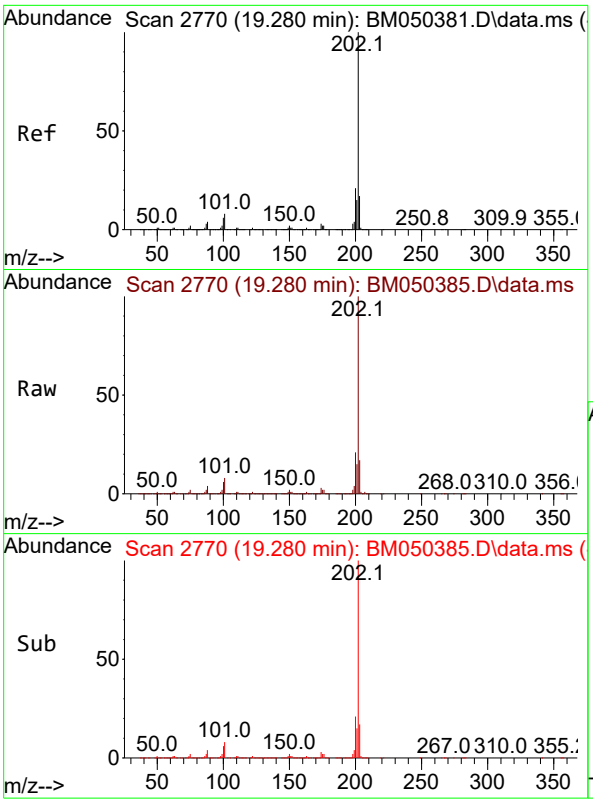




#74
Di-n-butylphthalate
Concen: 43.247 ng
RT: 18.198 min Scan# 2586
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:149 Resp: 4579991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.3 | 10.9 |
| 104 | 4.9 | 3.9 | 5.9 |



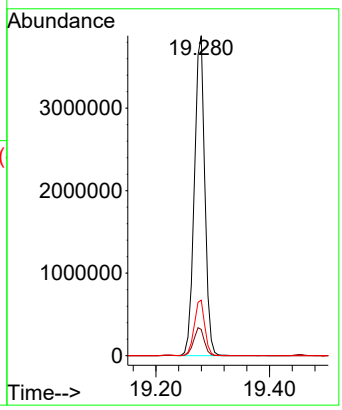


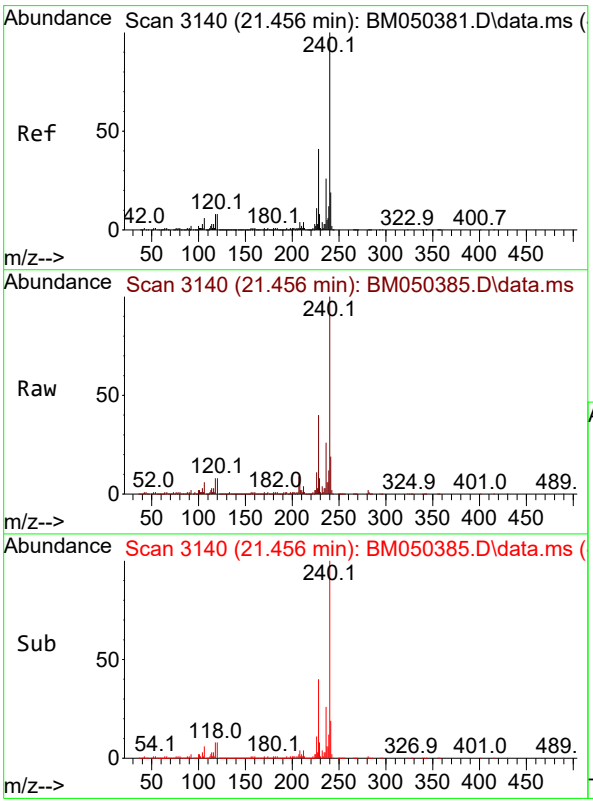

#75
Fluoranthene
Concen: 42.474 ng
RT: 19.280 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:202 Resp: 4960360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.2 | 0.0 | 28.3 |
| 203 | 17.4 | 0.0 | 37.2 |

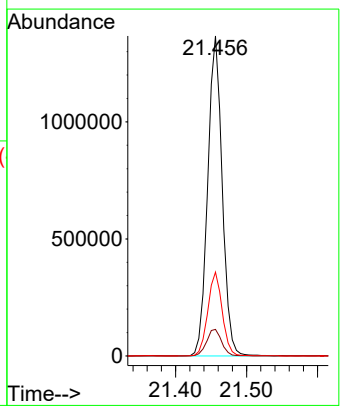


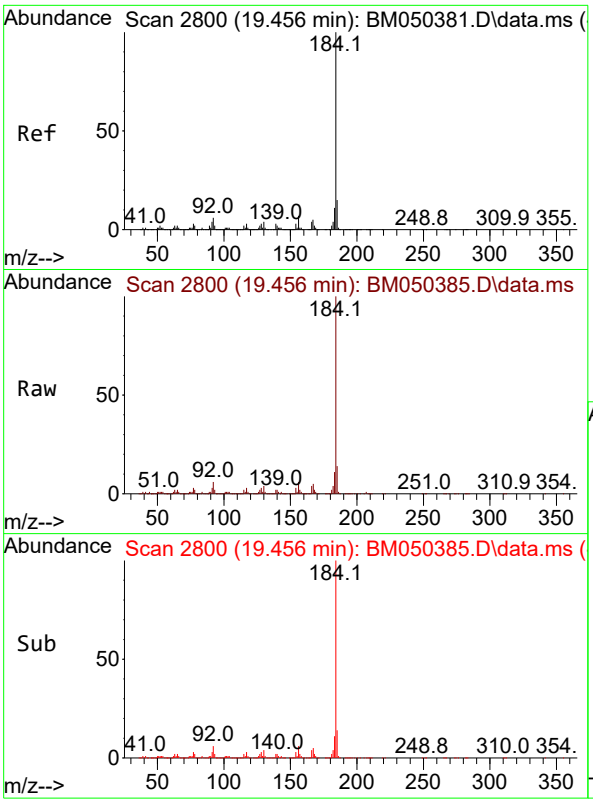




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:240 Resp: 1940016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.3 | 6.7 | 10.1 |
| 236 | 26.2 | 20.7 | 31.1 |



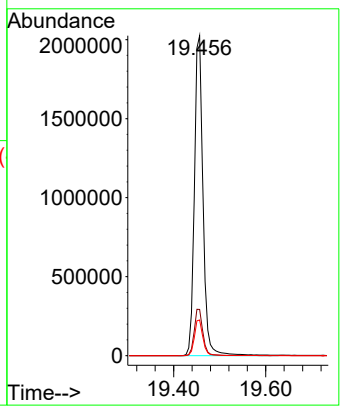


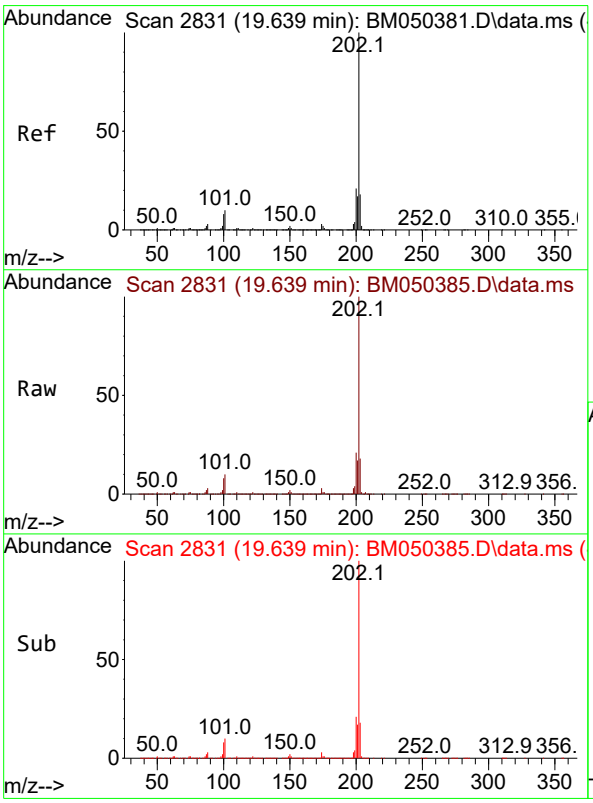

#77
Benzidine
Concen: 53.050 ng
RT: 19.456 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:184 Resp: 2625052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.4 | 11.7 | 17.5 |
| 183 | 11.2 | 9.0 | 13.6 |

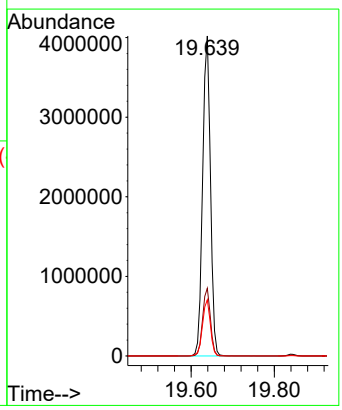


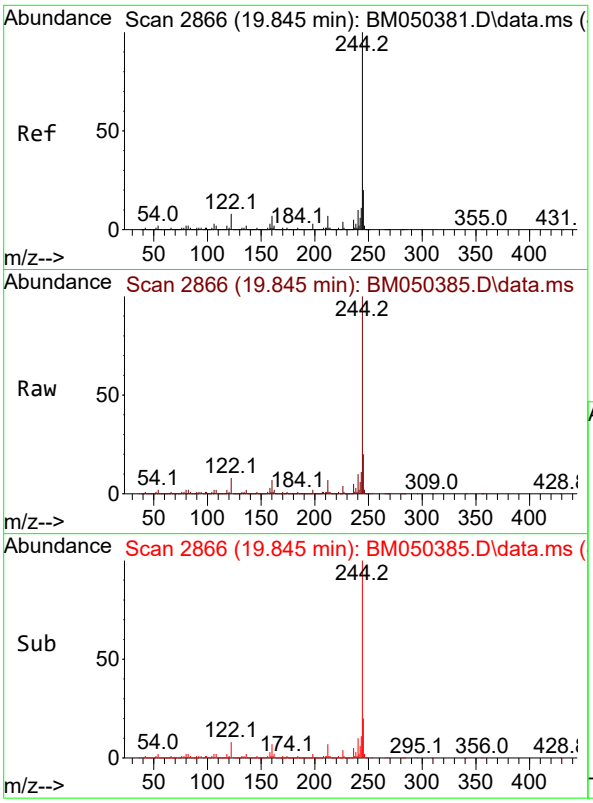




#78
Pyrene
Concen: 42.257 ng
RT: 19.639 min Scan# 2831
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:202 Resp: 5250364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 16.9 | 25.3 |
| 203 | 17.5 | 14.1 | 21.1 |



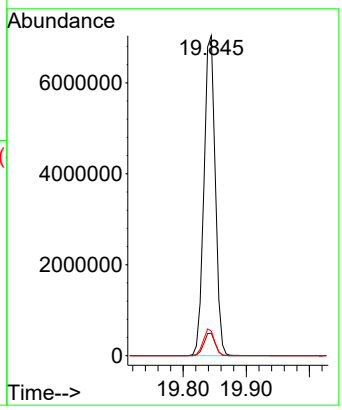


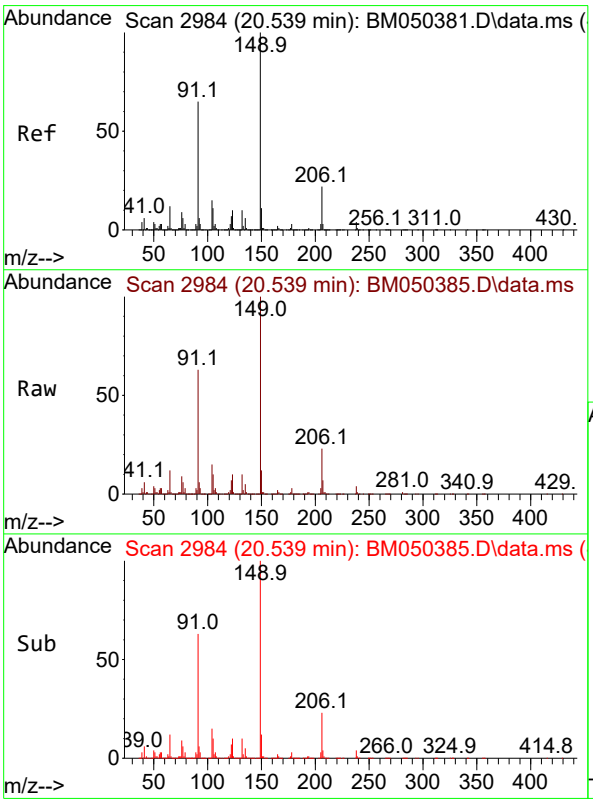

#79
Terphenyl-d14
Concen: 79.145 ng
RT: 19.845 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:244 Resp: 8726739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.7 | 8.5 |
| 122 | 7.7 | 6.2 | 9.2 |

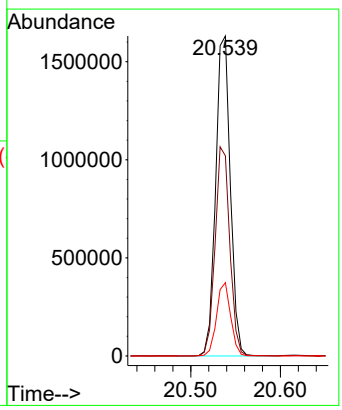


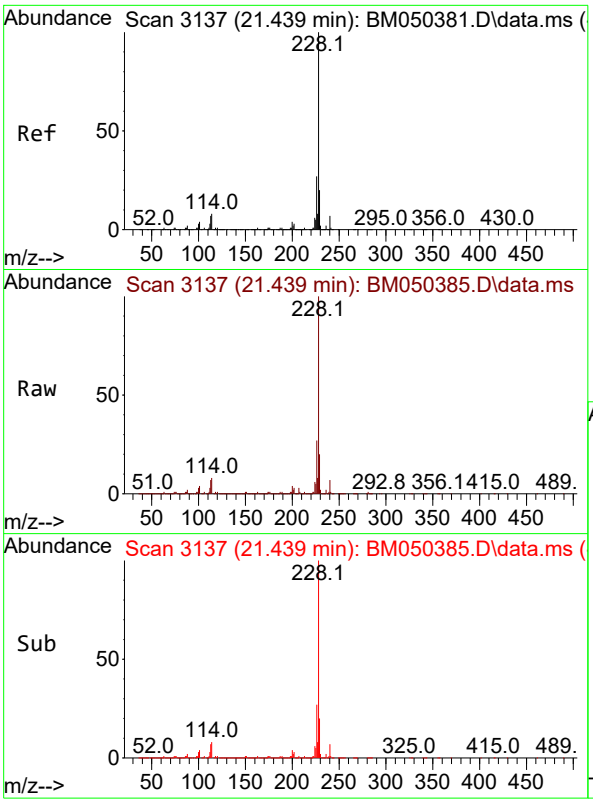




#80
Butylbenzylphthalate
Concen: 45.139 ng
RT: 20.539 min Scan# 2984
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:149 Resp: 1849278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 62.6 | 51.6 | 77.4 |
| 206 | 22.9 | 17.8 | 26.8 |



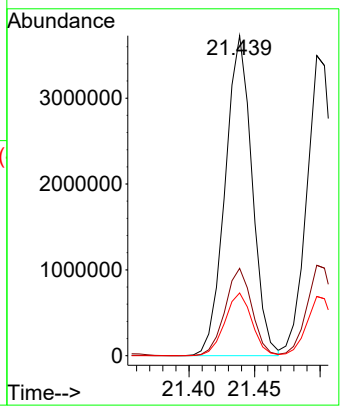


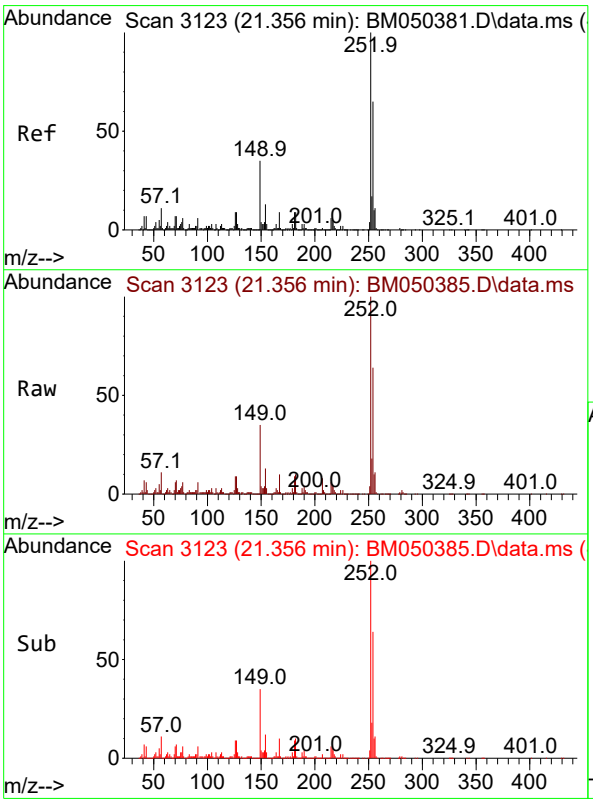

#81
Benzo(a)anthracene
Concen: 42.109 ng
RT: 21.439 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:228 Resp: 5322771

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

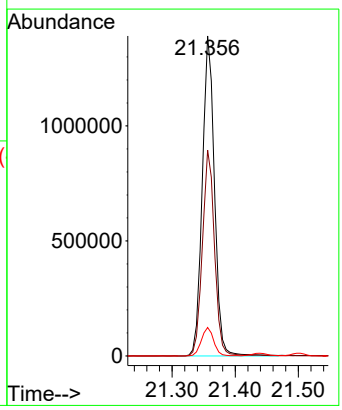


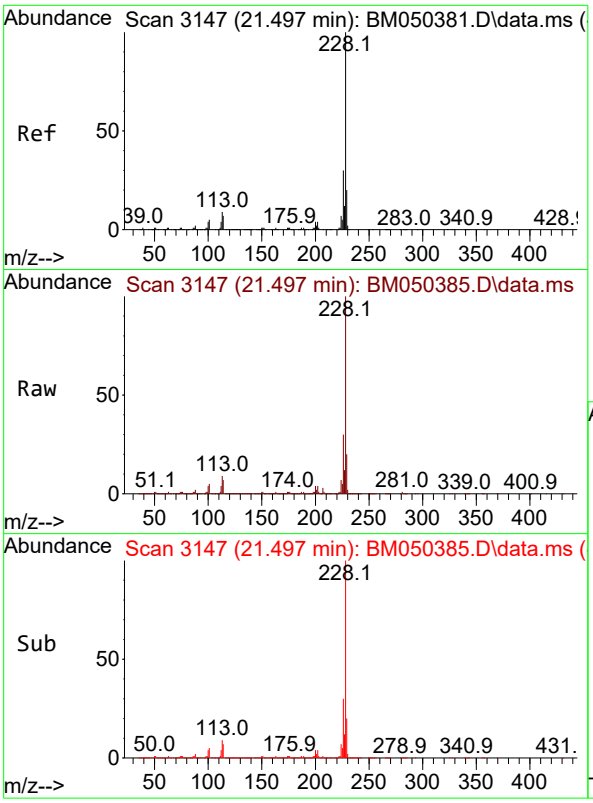




#82
3,3'-Dichlorobenzidine
Concen: 43.733 ng
RT: 21.356 min Scan# 3123
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:252 Resp: 1864267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.4 | 51.7 | 77.5 |
| 126 | 8.9 | 7.3 | 10.9 |



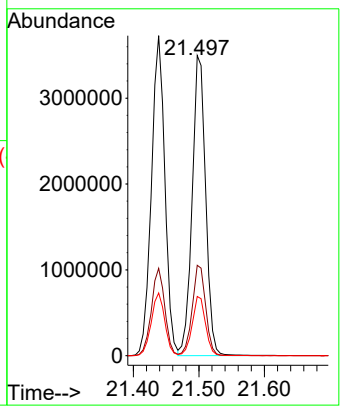


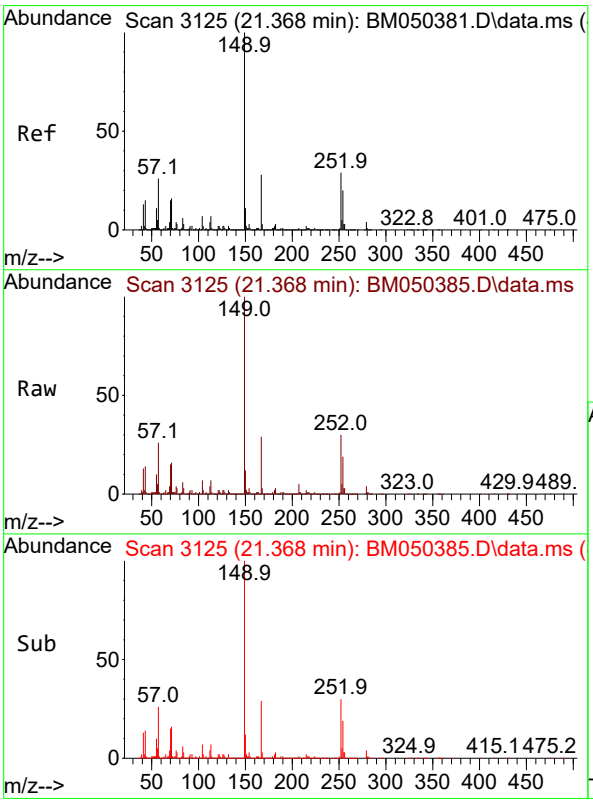

#83
Chrysene
Concen: 41.924 ng
RT: 21.497 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:228 Resp: 4998506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.2 | 36.4 |
| 229 | 19.8 | 15.8 | 23.6 |

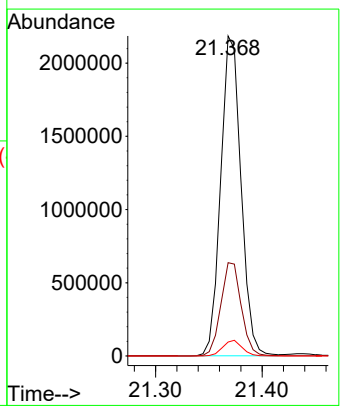


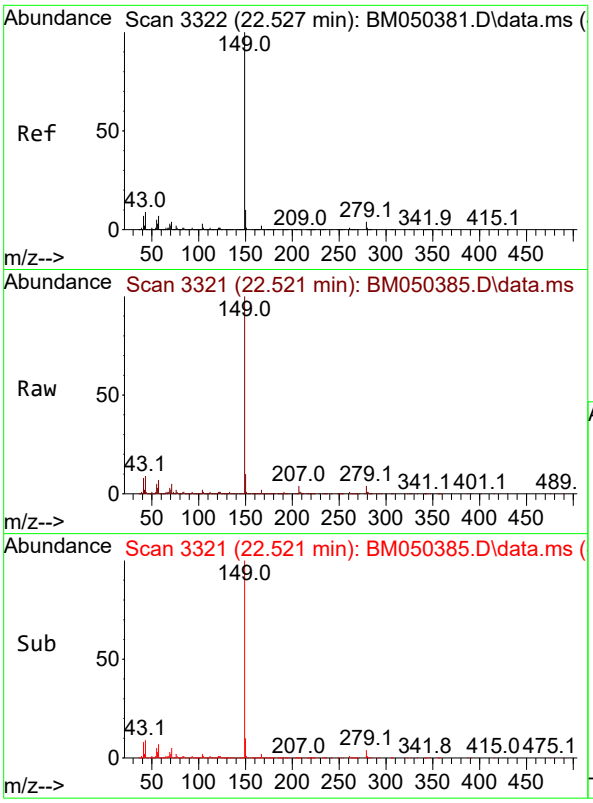




#84
Bis(2-ethylhexyl)phthalate
Concen: 44.481 ng
RT: 21.368 min Scan# 3125
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:149 Resp: 2892877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 29.2 | 22.7 | 34.1 |
| 279 | 4.4 | 3.5 | 5.3 |



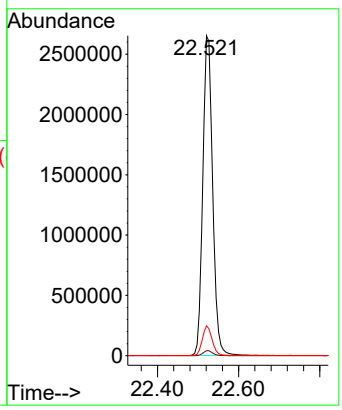


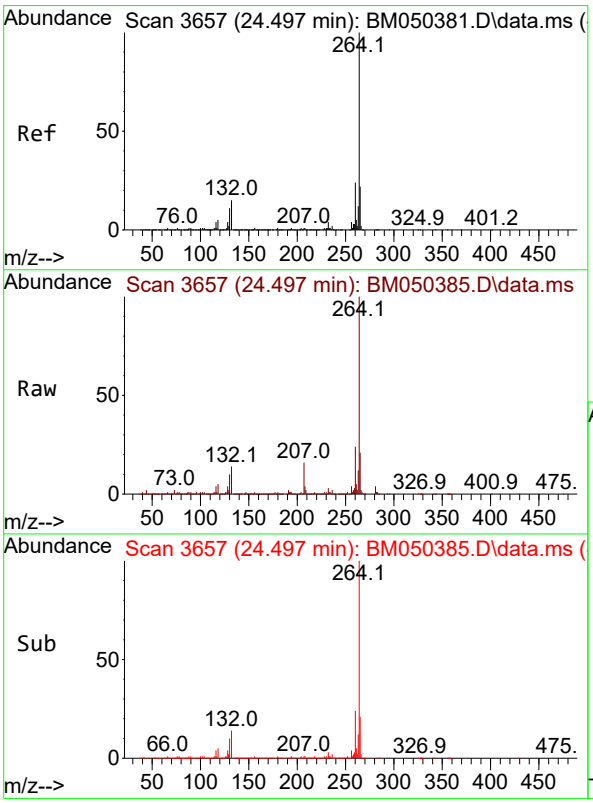

#85
Di-n-octyl phthalate
Concen: 43.760 ng
RT: 22.521 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:149 Resp: 4457449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.3 | 7.7 | 11.5 |

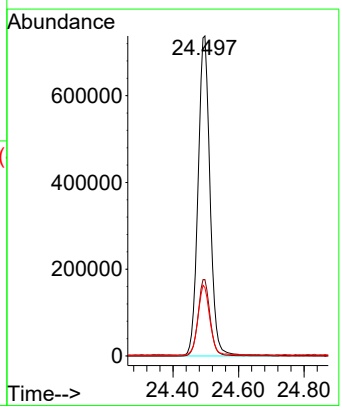


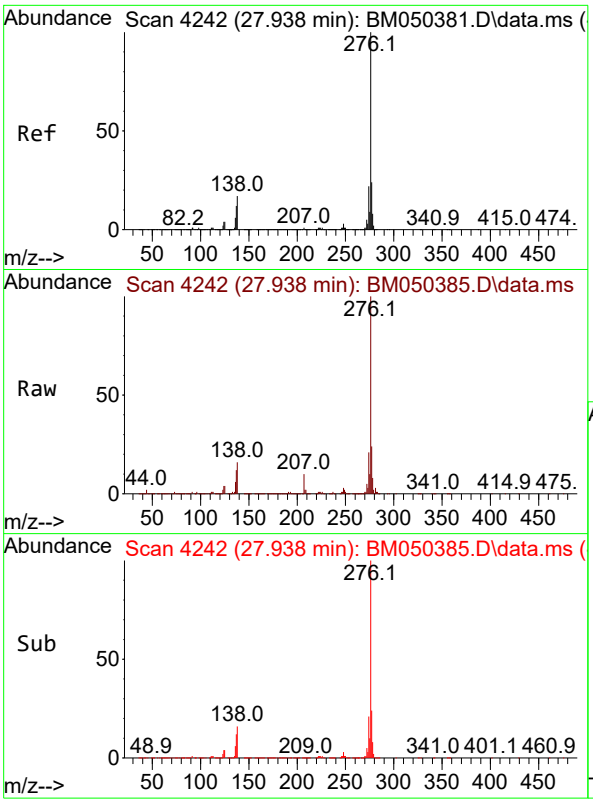




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.497 min Scan# 3657
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:264 Resp: 1874427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 19.2 | 28.8 |
| 265 | 21.4 | 17.8 | 26.6 |



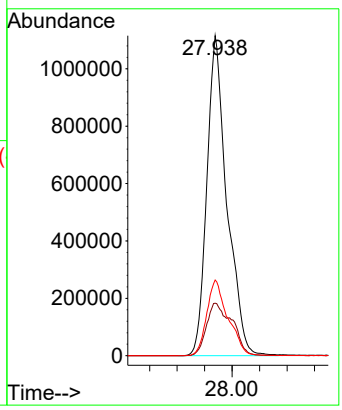


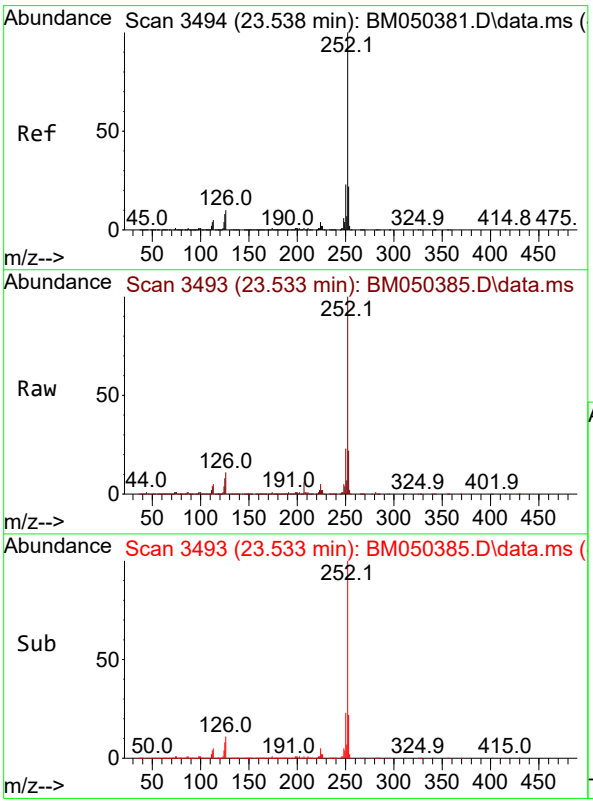

#87
Indeno(1,2,3-cd)pyrene
Concen: 42.377 ng
RT: 27.938 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:276 Resp: 5647629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.1 | 17.0 | 25.6 |
| 277 | 25.0 | 20.0 | 30.0 |

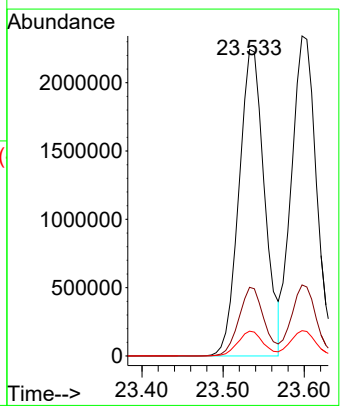


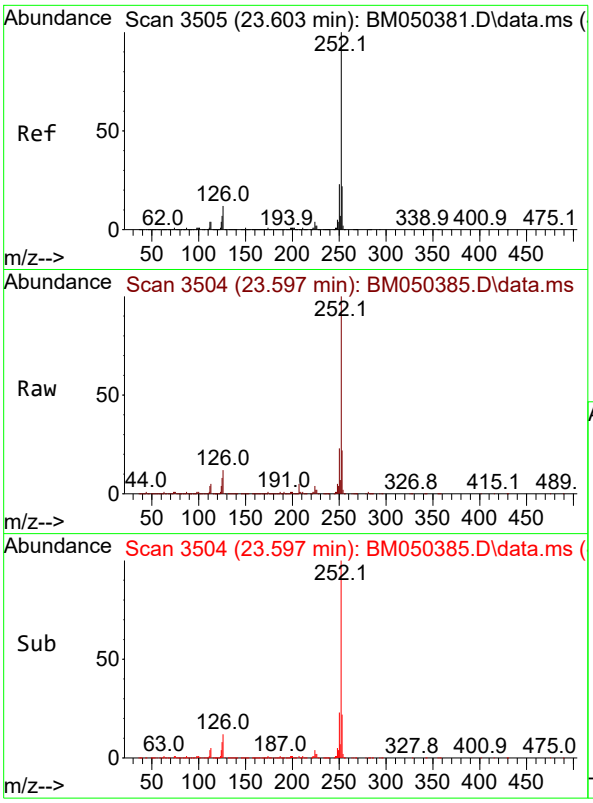




#88
Benzo(b)fluoranthene
Concen: 42.558 ng
RT: 23.533 min Scan# 3493
Delta R.T. -0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:252 Resp: 4906807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.8 | 26.6 |
| 125 | 8.1 | 6.3 | 9.5 |



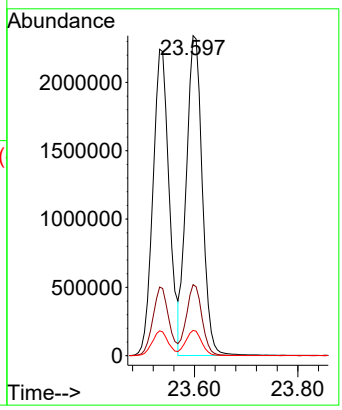


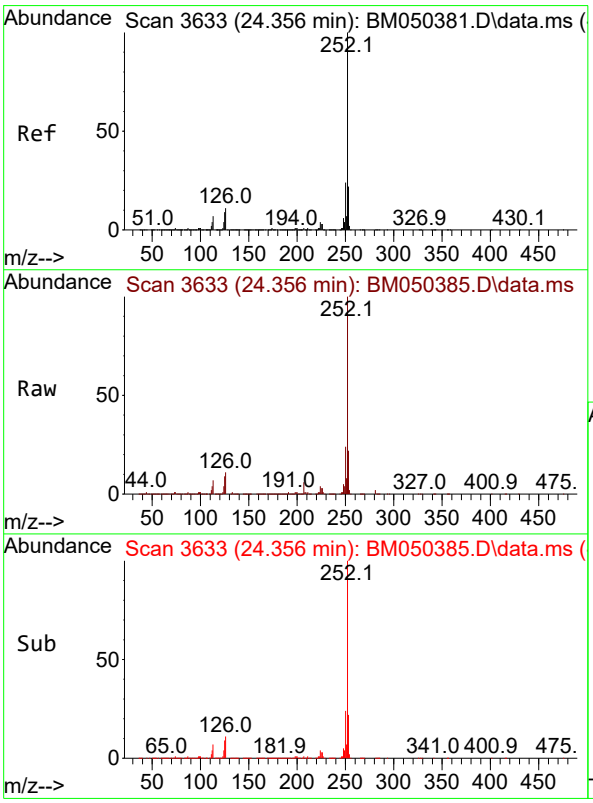

#89
Benzo(k)fluoranthene
Concen: 41.883 ng
RT: 23.597 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:252 Resp: 5010695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.6 | 26.4 |
| 125 | 7.9 | 6.2 | 9.2 |

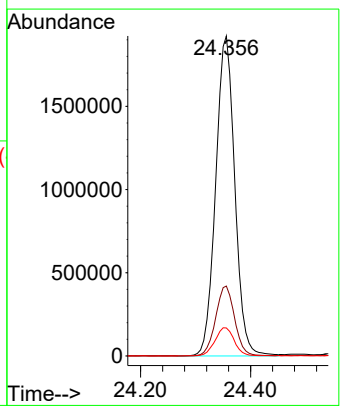


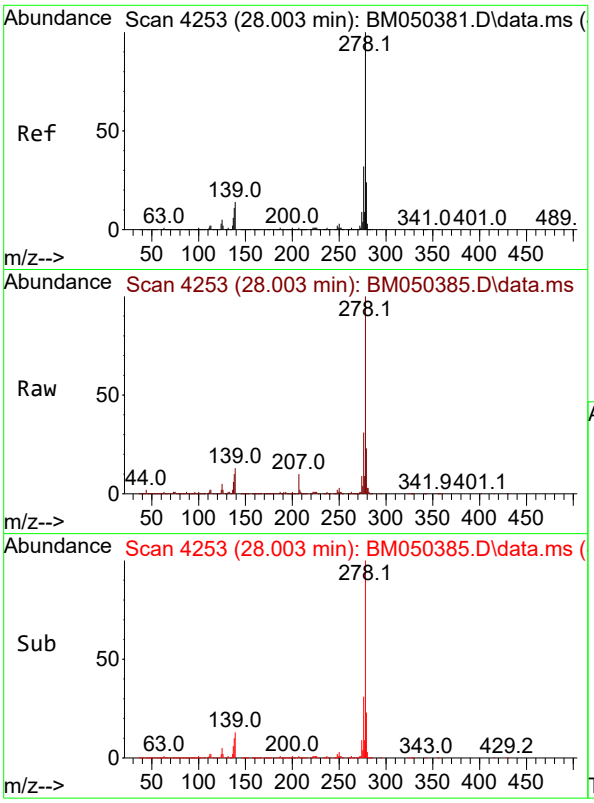




#90
Benzo(a)pyrene
Concen: 42.933 ng
RT: 24.356 min Scan# 3633
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:252 Resp: 4633762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.8 | 26.6 |
| 125 | 8.8 | 7.0 | 10.4 |



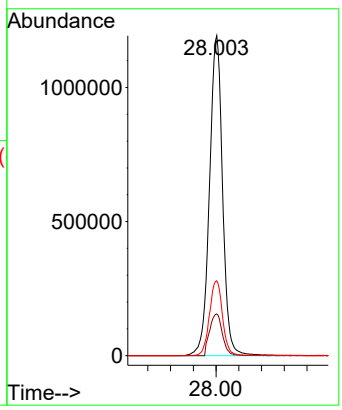


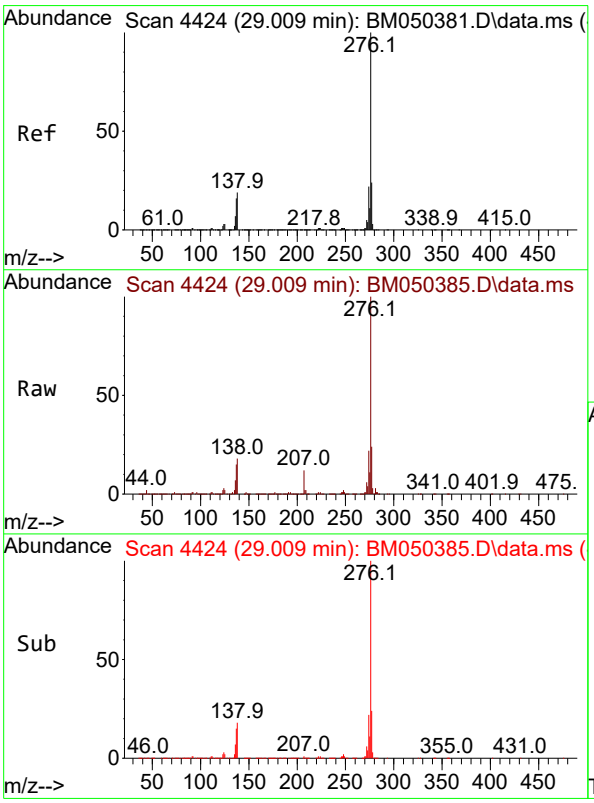

#91
Dibenzo(a,h)anthracene
Concen: 42.521 ng
RT: 28.003 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Tgt Ion:278 Resp: 4772470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.1 | 10.8 | 16.2 |
| 279 | 23.4 | 19.4 | 29.0 |

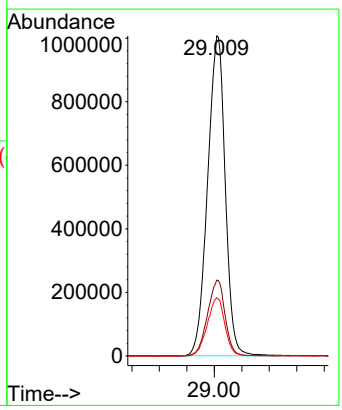



#92
Benzo(g,h,i)perylene
Concen: 42.197 ng
RT: 29.009 min Scan# 4424
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:276 Resp: 4476118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 19.1 | 28.7 |
| 138 | 18.2 | 14.9 | 22.3 |



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 2 | | 1,4-Dioxane | 0.478 | 0.454 | 5.0 | 102 | 0.00 |
| 3 | | Pyridine | 1.254 | 1.289 | -2.8 | 109 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.585 | 0.597 | -2.1 | 108 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.162 | 1.160 | 0.2 | 104 | 0.00 |
| 6 | | Aniline | 1.880 | 2.000 | -6.4 | 110 | 0.00 |
| 7 | S | Phenol-d6 | 1.465 | 1.477 | -0.8 | 104 | 0.00 |
| 8 | | 2-Chlorophenol | 1.225 | 1.315 | -7.3 | 112 | 0.00 |
| 9 | | Benzaldehyde | 0.871 | 0.988 | -13.4 | 114 | 0.00 |
| 10 | C | Phenol | 1.528 | 1.608 | -5.2 | 111 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.223 | 1.292 | -5.6 | 112 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.490 | 1.559 | -4.6 | 112 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.521 | 1.582 | -4.0 | 112 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.456 | 1.510 | -3.7 | 111 | 0.00 |
| 15 | | Benzyl Alcohol | 1.032 | 1.098 | -6.4 | 111 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.802 | 1.851 | -2.7 | 110 | 0.00 |
| 17 | | 2-Methylphenol | 0.991 | 1.058 | -6.8 | 111 | 0.00 |
| 18 | | Hexachloroethane | 0.535 | 0.560 | -4.7 | 112 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.887 | 0.980 | -10.5 | 111 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.330 | 1.406 | -5.7 | 110 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 22 | | Acetophenone | 0.500 | 0.529 | -5.8 | 112 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.392 | 0.358 | 8.7 | 95 | 0.00 |
| 24 | | Nitrobenzene | 0.350 | 0.366 | -4.6 | 110 | 0.00 |
| 25 | | Isophorone | 0.636 | 0.682 | -7.2 | 111 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.143 | 0.166 | -16.1 | 117 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.303 | 0.322 | -6.3 | 112 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.422 | 0.441 | -4.5 | 110 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.312 | 0.336 | -7.7 | 112 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.373 | 0.392 | -5.1 | 112 | 0.00 |
| 31 | | Naphthalene | 1.016 | 1.048 | -3.1 | 110 | 0.00 |
| 32 | | Benzoic acid | 0.165 | 0.191 | -15.8 | 121 | 0.00 |
| 33 | | 4-Chloroaniline | 0.429 | 0.455 | -6.1 | 110 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.228 | 0.241 | -5.7 | 113 | 0.00 |
| 35 | | Caprolactam | 0.085 | 0.092 | -8.2 | 110 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.291 | 0.315 | -8.2 | 111 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.641 | 0.684 | -6.7 | 112 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.679 | 0.718 | -5.7 | 111 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.636 | 0.681 | -7.1 | 114 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.407 | 0.437 | -7.4 | 115 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.243 | 0.255 | -4.9 | 107 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.391 | 0.426 | -9.0 | 113 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.428 | 0.465 | -8.6 | 113 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.620 | 1.431 | 11.7 | 94 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.484 | 1.542 | -3.9 | 112 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.183 | 1.221 | -3.2 | 111 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 48 | 2-Nitroaniline | 0.264 | 0.294 | -11.4 | 110 | 0.00 |
| 49 | Acenaphthylene | 1.788 | 1.876 | -4.9 | 110 | 0.00 |
| 50 | Dimethylphthalate | 1.377 | 1.433 | -4.1 | 111 | 0.00 |
| 51 | 2,6-Dinitrotoluene | 0.264 | 0.293 | -11.0 | 112 | 0.00 |
| 52 C | Acenaphthene | 1.137 | 1.181 | -3.9 | 111 | 0.00 |
| 53 | 3-Nitroaniline | 0.281 | 0.315 | -12.1 | 112 | 0.00 |
| 54 P | 2,4-Dinitrophenol | 0.121 | 0.132 | -9.1 | 118 | 0.00 |
| 55 | Dibenzofuran | 1.751 | 1.790 | -2.2 | 109 | 0.00 |
| 56 P | 4-Nitrophenol | 0.242 | 0.259 | -7.0 | 110 | 0.00 |
| 57 | 2,4-Dinitrotoluene | 0.350 | 0.401 | -14.6 | 113 | 0.00 |
| 58 | Fluorene | 1.443 | 1.494 | -3.5 | 110 | 0.00 |
| 59 | 2,3,4,6-Tetrachlorophenol | 0.360 | 0.389 | -8.1 | 111 | 0.00 |
| 60 | Diethylphthalate | 1.315 | 1.368 | -4.0 | 109 | 0.00 |
| 61 | 4-Chlorophenyl-phenylether | 0.754 | 0.798 | -5.8 | 111 | 0.00 |
| 62 | 4-Nitroaniline | 0.288 | 0.322 | -11.8 | 108 | 0.00 |
| 63 | Azobenzene | 1.208 | 1.254 | -3.8 | 108 | 0.00 |
| 64 I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 65 | 4,6-Dinitro-2-methylphenol | 0.095 | 0.105 | -10.5 | 117 | 0.00 |
| 66 c | n-Nitrosodiphenylamine | 0.626 | 0.660 | -5.4 | 110 | 0.00 |
| 67 | 4-Bromophenyl-phenylether | 0.220 | 0.236 | -7.3 | 112 | 0.00 |
| 68 | Hexachlorobenzene | 0.260 | 0.276 | -6.2 | 111 | 0.00 |
| 69 | Atrazine | 0.206 | 0.227 | -10.2 | 111 | 0.00 |
| 70 C | Pentachlorophenol | 0.162 | 0.174 | -7.4 | 112 | 0.00 |
| 71 | Phenanthrene | 1.132 | 1.171 | -3.4 | 110 | 0.00 |
| 72 | Anthracene | 1.127 | 1.192 | -5.8 | 110 | 0.00 |
| 73 | Carbazole | 1.019 | 1.065 | -4.5 | 109 | 0.00 |
| 74 | Di-n-butylphthalate | 1.116 | 1.206 | -8.1 | 109 | 0.00 |
| 75 C | Fluoranthene | 1.230 | 1.306 | -6.2 | 110 | 0.00 |
| 76 I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 77 | Benzidine | 0.510 | 0.677 | -32.7# | 125 | 0.00 |
| 78 | Pyrene | 1.281 | 1.353 | -5.6 | 109 | 0.00 |
| 79 S | Terphenyl-d14 | 1.137 | 1.125 | 1.1 | 91 | 0.00 |
| 80 | Butylbenzylphthalate | 0.422 | 0.477 | -13.0 | 110 | 0.00 |
| 81 | Benzo(a)anthracene | 1.303 | 1.372 | -5.3 | 109 | 0.00 |
| 82 | 3,3'-Dichlorobenzidine | 0.439 | 0.480 | -9.3 | 114 | 0.00 |
| 83 | Chrysene | 1.229 | 1.288 | -4.8 | 109 | 0.00 |
| 84 | Bis(2-ethylhexyl)phthalate | 0.670 | 0.746 | -11.3 | 108 | 0.00 |
| 85 c | Di-n-octyl phthalate | 1.050 | 1.149 | -9.4 | 111 | 0.00 |
| 86 I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 87 | Indeno(1,2,3-cd)pyrene | 1.422 | 1.506 | -5.9 | 108 | 0.00 |
| 88 | Benzo(b)fluoranthene | 1.230 | 1.309 | -6.4 | 108 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.276 | 1.337 | -4.8 | 108 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.152 | 1.236 | -7.3 | 109 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 1.198 | 1.273 | -6.3 | 109 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 1.132 | 1.194 | -5.5 | 108 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.994 | 5.0 | 102 | 0.00 |
| 3 | | Pyridine | 40.000 | 41.118 | -2.8 | 109 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 40.835 | -2.1 | 108 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 79.859 | 0.2 | 104 | 0.00 |
| 6 | | Aniline | 40.000 | 42.568 | -6.4 | 110 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 80.660 | -0.8 | 104 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 42.935 | -7.3 | 112 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 45.376 | -13.4 | 114 | 0.00 |
| 10 | C | Phenol | 40.000 | 42.114 | -5.3 | 111 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 42.240 | -5.6 | 112 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.848 | -4.6 | 112 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.609 | -4.0 | 112 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.478 | -3.7 | 111 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 42.555 | -6.4 | 111 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.095 | -2.7 | 110 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 42.726 | -6.8 | 111 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 41.906 | -4.8 | 112 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 44.168 | -10.4 | 111 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 42.276 | -5.7 | 110 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 22 | | Acetophenone | 40.000 | 42.290 | -5.7 | 112 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 73.139 | 8.6 | 95 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.860 | -4.6 | 110 | 0.00 |
| 25 | | Isophorone | 40.000 | 42.909 | -7.3 | 111 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 46.488 | -16.2 | 117 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.470 | -6.2 | 112 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.880 | -4.7 | 110 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 43.061 | -7.7 | 112 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 42.001 | -5.0 | 112 | 0.00 |
| 31 | | Naphthalene | 40.000 | 41.281 | -3.2 | 110 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 41.913 | -4.8 | 121 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 42.424 | -6.1 | 110 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.386 | -6.0 | 113 | 0.00 |
| 35 | | Caprolactam | 40.000 | 43.156 | -7.9 | 110 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 43.312 | -8.3 | 111 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 42.637 | -6.6 | 112 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 42.292 | -5.7 | 111 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.859 | -7.1 | 114 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 43.015 | -7.5 | 115 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 83.788 | -4.7 | 107 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 43.485 | -8.7 | 113 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 43.542 | -8.9 | 113 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 70.689 | 11.6 | 94 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 41.557 | -3.9 | 112 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 41.272 | -3.2 | 111 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 44.497 | -11.2 | 110 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 41.972 | -4.9 | 110 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 41.635 | -4.1 | 111 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 44.405 | -11.0 | 112 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 41.562 | -3.9 | 111 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 44.871 | -12.2 | 112 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 39.797 | 0.5 | 118 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 40.877 | -2.2 | 109 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 42.822 | -7.1 | 110 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 40.905 | -2.3 | 113 | 0.00 |
| 58 | | Fluorene | 40.000 | 41.425 | -3.6 | 110 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 43.229 | -8.1 | 111 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 41.609 | -4.0 | 109 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 42.288 | -5.7 | 111 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 40.288 | -0.7 | 108 | 0.00 |
| 63 | | Azobenzene | 40.000 | 41.531 | -3.8 | 108 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.334 | -0.8 | 117 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 42.198 | -5.5 | 110 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 42.755 | -6.9 | 112 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 42.380 | -6.0 | 111 | 0.00 |
| 69 | | Atrazine | 40.000 | 44.212 | -10.5 | 111 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 43.075 | -7.7 | 112 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 41.373 | -3.4 | 110 | 0.00 |
| 72 | | Anthracene | 40.000 | 42.316 | -5.8 | 110 | 0.00 |
| 73 | | Carbazole | 40.000 | 41.806 | -4.5 | 109 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 43.247 | -8.1 | 109 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 42.474 | -6.2 | 110 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 102 | 0.00 |
| 77 | | Benzidine | 40.000 | 53.050 | -32.6# | 125 | 0.00 |
| 78 | | Pyrene | 40.000 | 42.257 | -5.6 | 109 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 79.145 | 1.1 | 91 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 45.139 | -12.8 | 110 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 42.109 | -5.3 | 109 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 43.733 | -9.3 | 114 | 0.00 |
| 83 | | Chrysene | 40.000 | 41.924 | -4.8 | 109 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 44.481 | -11.2 | 108 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 43.760 | -9.4 | 111 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 102 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 42.377 | -5.9 | 108 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 42.558 | -6.4 | 108 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 41.883 | -4.7 | 108 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 42.933 | -7.3 | 109 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 42.521 | -6.3 | 109 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 42.197 | -5.5 | 108 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev Area% | Dev(min) |
|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance  Contract: WALS01

Lab Code: ACE  SDG No.: Q2489

Instrument ID: BNA_F  Calibration Date/Time: 07/07/2025 12:12

Lab File ID: BF143003.D  Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040  Init. Calib. Time(s): 17:07 20:40

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

| COMPOUND | $\overline{RRF}$ | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Pyridine | 1.205 | 1.105 | | -8.3 | |
| 2-Fluorophenol | 1.201 | 1.159 | | -3.5 | |
| Phenol-d6 | 1.417 | 1.363 | | -3.8 | |
| 1,4-Dichlorobenzene | 1.462 | 1.433 | | -2.0 | 20.0 |
| 2-Methylphenol | 0.982 | 0.979 | | -0.3 | |
| 3+4-Methylphenols | 1.224 | 1.224 | | 0.0 | |
| Nitrobenzene-d5 | 0.365 | 0.385 | | 5.5 | |
| Hexachloroethane | 0.511 | 0.506 | | -1.0 | |
| Nitrobenzene | 0.330 | 0.319 | | -3.3 | |
| Hexachlorobutadiene | 0.190 | 0.191 | | 0.5 | 20.0 |
| 2,4,6-Trichlorophenol | 0.385 | 0.364 | | -5.5 | 20.0 |
| 2-Fluorobiphenyl | 1.522 | 1.599 | | 5.1 | |
| 2,4,5-Trichlorophenol | 0.405 | 0.378 | | -6.7 | |
| 2,4-Dinitrotoluene | 0.378 | 0.360 | | -4.8 | |
| 2,4,6-Tribromophenol | 0.206 | 0.187 | | -9.2 | |
| Hexachlorobenzene | 0.253 | 0.255 | | 0.8 | |
| Pentachlorophenol | 0.126 | 0.143 | | 13.5 | 20.0 |
| Terphenyl-d14 | 1.447 | 1.318 | | -8.9 | |

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF143003.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143003.D
Acq On : 07 Jul 2025 12:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Jul 07 13:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 66299 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 250576 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.922 | 164 | 128386 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.410 | 188 | 196682 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.057 | 240 | 115356 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.551 | 264 | 146144 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.492 | 112 | 307448 | 77.207 | ng | | 0.00 |
| 7) Phenol-d6 | 6.510 | 99 | 361466 | 76.939 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.445 | 82 | 385910 | 84.475 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 95878 | 72.570 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.239 | 172 | 821191 | 84.026 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.992 | 244 | 608057 | 72.831 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.616 | 88 | 56991 | 35.782 | ng | | 98 |
| 3) Pyridine | 3.393 | 79 | 146566 | 36.706 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.346 | 42 | 74697 | 36.176 | ng | | 99 |
| 6) Aniline | 6.539 | 93 | 237976 | 38.069 | ng | # | 91 |
| 8) 2-Chlorophenol | 6.663 | 128 | 164969 | 38.405 | ng | | 98 |
| 9) Benzaldehyde | 6.428 | 77 | 118926 | 42.667 | ng | | 99 |
| 10) Phenol | 6.528 | 94 | 200512 | 38.395 | ng | | 79 |
| 11) bis(2-Chloroethyl)ether | 6.610 | 93 | 143962 | 38.570 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.816 | 146 | 186294 | 38.778 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.892 | 146 | 190051 | 39.211 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.045 | 146 | 178538 | 38.836 | ng | | 99 |
| 15) Benzyl Alcohol | 7.022 | 79 | 133701 | 39.365 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151 | 45 | 218081 | 36.367 | ng | | 90 |
| 17) 2-Methylphenol | 7.134 | 107 | 129791 | 39.871 | ng | | 97 |
| 18) Hexachloroethane | 7.386 | 117 | 67136 | 39.601 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.292 | 70 | 107572 | 39.369 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.286 | 107 | 162236 | 39.972 | ng | | 95 |
| 22) Acetophenone | 7.286 | 105 | 217414 | 39.346 | ng | | 100 |
| 24) Nitrobenzene | 7.463 | 77 | 159724 | 38.630 | ng | | 98 |
| 25) Isophorone | 7.698 | 82 | 283403 | 38.672 | ng | | 99 |
| 26) 2-Nitrophenol | 7.781 | 139 | 92413 | 41.029 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.816 | 122 | 150356m | 38.538 | ng | | |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93 | 184372 | 39.573 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.022 | 162 | 139097 | 39.320 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.104 | 180 | 153647 | 39.498 | ng | | 99 |
| 31) Naphthalene | 8.186 | 128 | 482441 | 39.334 | ng | | 100 |
| 32) Benzoic acid | 7.933 | 122 | 68529 | 34.462 | ng | | 96 |
| 33) 4-Chloroaniline | 8.233 | 127 | 185501 | 37.195 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 95769 | 40.249 | ng | | 100 |
| 35) Caprolactam | 8.604 | 113 | 35981 | 38.545 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 8.716 | 107 | 138376 | 39.359 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.875 | 142 | 297088 | 39.070 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.975 | 142 | 306180 | 38.897 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.039 | 216 | 151986 | 40.120 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.028 | 237 | 88069 | 40.967 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.157 | 196 | 93588 | 37.913 | ng | | 99 |

Sample Results: **BF143003.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143003.D
Acq On : 07 Jul 2025 12:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Jul 07 13:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.198 | 196 | 97051 | 37.348 ng | 99 |
| 46) 1,1'-Biphenyl | 9.339 | 154 | 397007 | 39.146 ng | 99 |
| 47) 2-Chloronaphthalene | 9.369 | 162 | 297910 | 39.144 ng | 99 |
| 48) 2-Nitroaniline | 9.463 | 65 | 82602 | 38.713 ng | 97 |
| 49) Acenaphthylene | 9.780 | 152 | 489067 | 39.035 ng | 99 |
| 50) Dimethylphthalate | 9.639 | 163 | 321177 | 38.647 ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.704 | 165 | 70859 | 38.826 ng | 99 |
| 52) Acenaphthene | 9.951 | 154 | 306426m | 40.086 ng | |
| 53) 3-Nitroaniline | 9.875 | 138 | 76148 | 37.896 ng | 98 |
| 54) 2,4-Dinitrophenol | 9.992 | 184 | 43433 | 47.528 ng | 97 |
| 55) Dibenzofuran | 10.127 | 168 | 422464 | 38.541 ng | 99 |
| 56) 4-Nitrophenol | 10.045 | 139 | 53076 | 38.583 ng | 99 |
| 57) 2,4-Dinitrotoluene | 10.110 | 165 | 92551 | 38.178 ng | 95 |
| 58) Fluorene | 10.469 | 166 | 327065 | 38.205 ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232 | 75288 | 35.944 ng | 94 |
| 60) Diethylphthalate | 10.333 | 149 | 313222 | 38.440 ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204 | 158156 | 38.716 ng | 99 |
| 62) 4-Nitroaniline | 10.486 | 138 | 68055 | 37.032 ng | 97 |
| 63) Azobenzene | 10.616 | 77 | 275193 | 37.788 ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.527 | 198 | 47520 | 39.944 ng | 99 |
| 66) n-Nitrosodiphenylamine | 10.574 | 169 | 276920 | 40.625 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248 | 91397 | 40.831 ng | 99 |
| 68) Hexachlorobenzene | 11.022 | 284 | 100307 | 40.328 ng | 97 |
| 69) Atrazine | 11.104 | 200 | 72466 | 41.168 ng | 99 |
| 70) Pentachlorophenol | 11.222 | 266 | 56387 | 45.495 ng | 98 |
| 71) Phenanthrene | 11.433 | 178 | 413131 | 38.776 ng | 99 |
| 72) Anthracene | 11.486 | 178 | 425385 | 38.930 ng | 99 |
| 73) Carbazole | 11.639 | 167 | 349364 | 37.050 ng | 100 |
| 74) Di-n-butylphthalate | 11.963 | 149 | 397485 | 40.464 ng | 99 |
| 75) Fluoranthene | 12.627 | 202 | 367194 | 36.315 ng | 99 |
| 77) Benzidine | 12.745 | 184 | 196199 | 45.269 ng | 100 |
| 78) Pyrene | 12.857 | 202 | 411055 | 38.016 ng | 99 |
| 80) Butylbenzylphthalate | 13.463 | 149 | 138872 | 44.276 ng | 99 |
| 81) Benzo(a)anthracene | 14.045 | 228 | 304337 | 39.108 ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.004 | 252 | 110843 | 43.913 ng | 99 |
| 83) Chrysene | 14.080 | 228 | 280610 | 40.410 ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149 | 212032 | 46.985 ng | 99 |
| 85) Di-n-octyl phthalate | 14.639 | 149 | 393425 | 46.235 ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.080 | 276 | 390002 | 35.035 ng | 98 |
| 88) Benzo(b)fluoranthene | 15.109 | 252 | 347540 | 41.097 ng | 100 |
| 89) Benzo(k)fluoranthene | 15.139 | 252 | 292264 | 36.941 ng | 99 |
| 90) Benzo(a)pyrene | 15.492 | 252 | 321220 | 39.319 ng | 98 |
| 91) Dibenzo(a,h)anthracene | 17.086 | 278 | 321404 | 35.535 ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.539 | 276 | 305022 | 33.820 ng | 98 |

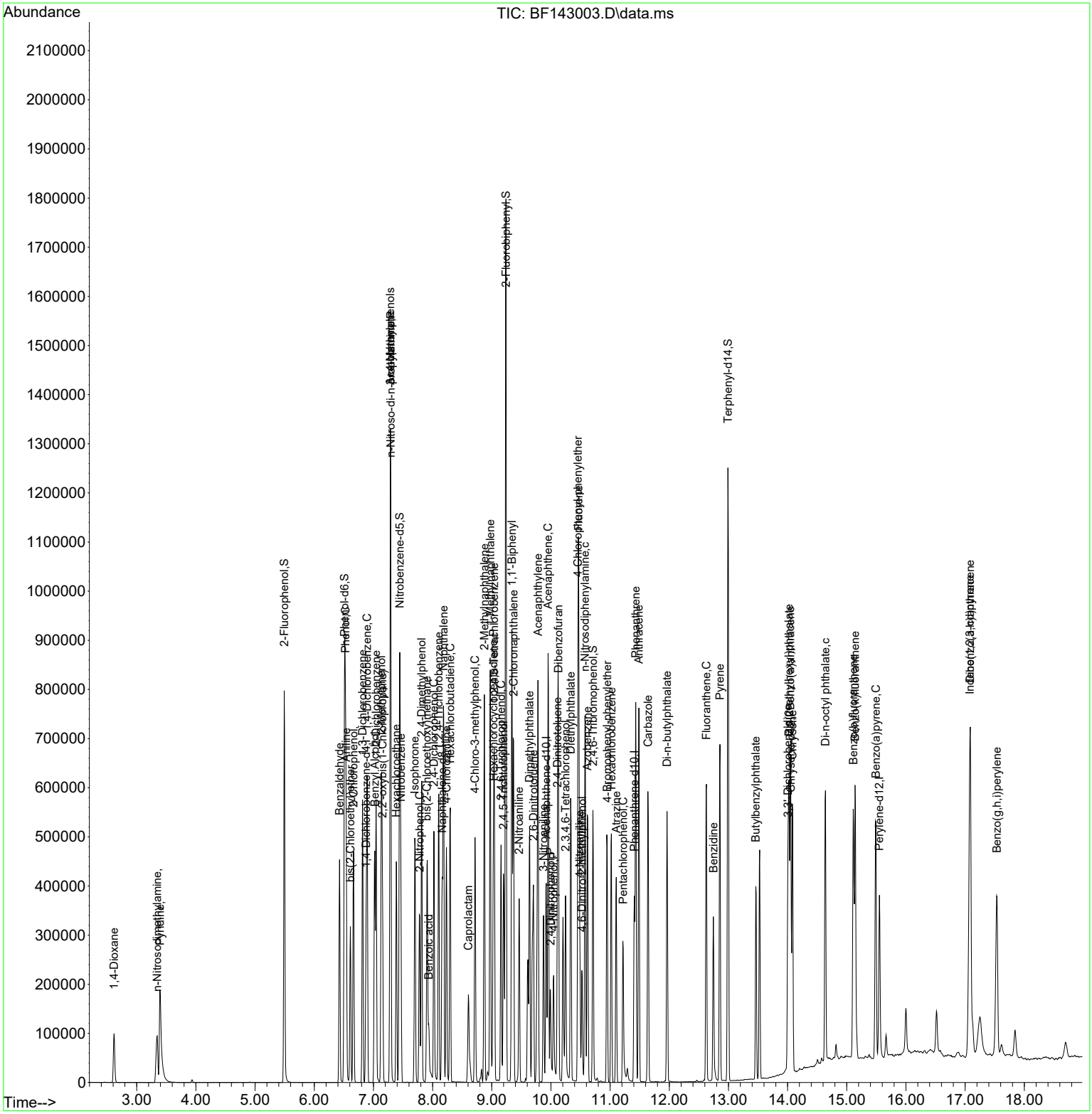
(#) = qualifier out of range (m) = manual integration (+) = signals summed

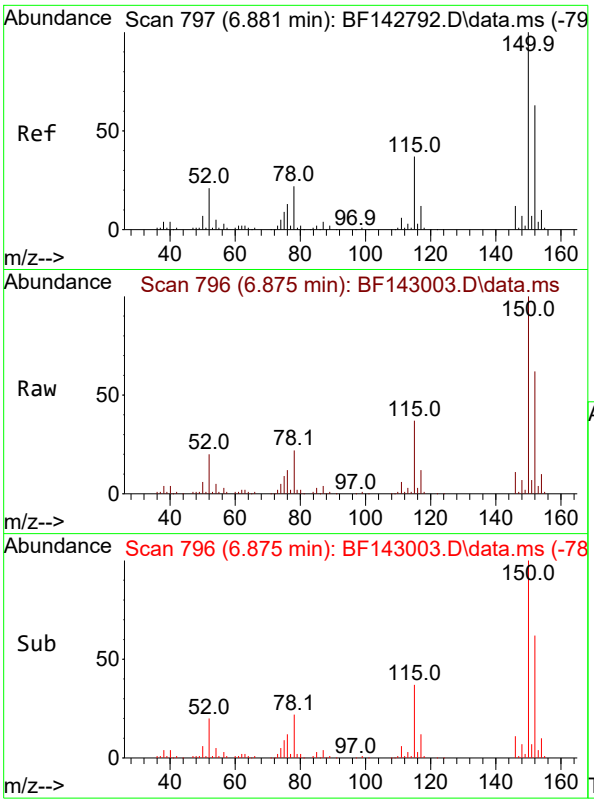
Sample Results: **BF143003.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143003.D
Acq On : 07 Jul 2025 12:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Jul 07 13:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



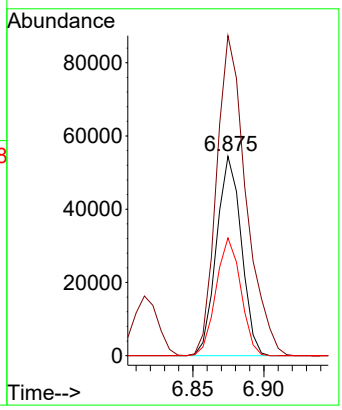


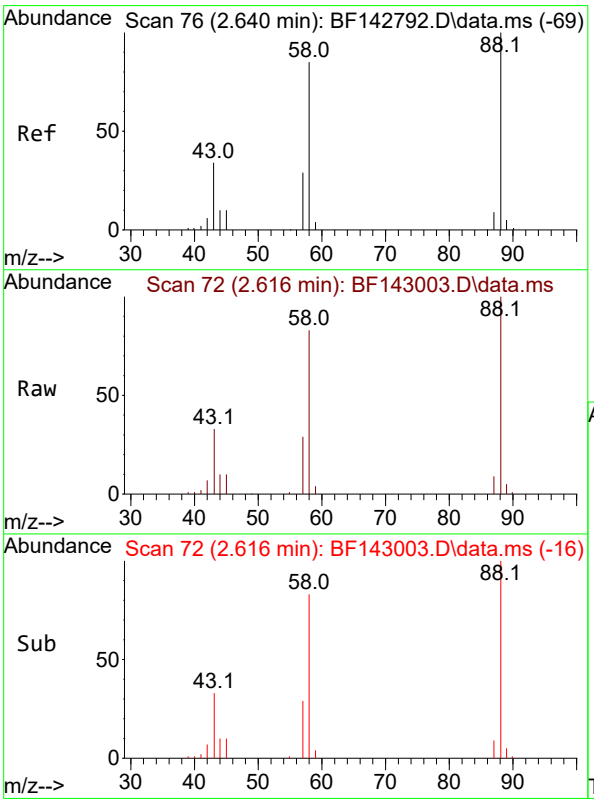

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 66299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.5 | 127.2 | 190.8 |
| 115 | 59.0 | 46.6 | 69.8 |

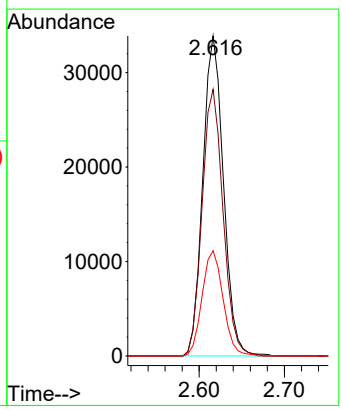


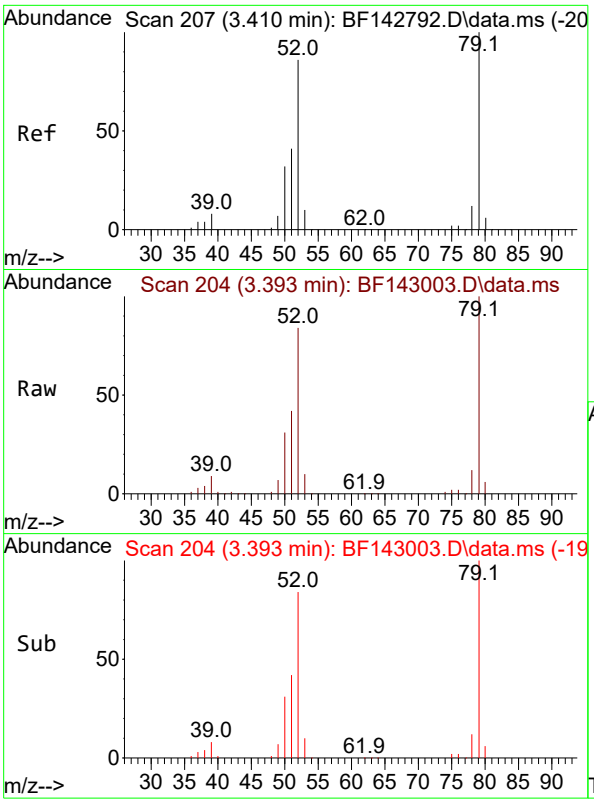




#2
1,4-Dioxane
Concen: 35.782 ng
RT: 2.616 min Scan# 72
Delta R.T. -0.024 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion: 88 Resp: 56991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 84.7 | 69.1 | 103.7 |
| 43 | 33.4 | 27.4 | 41.2 |



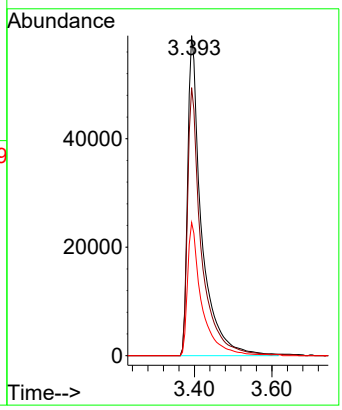


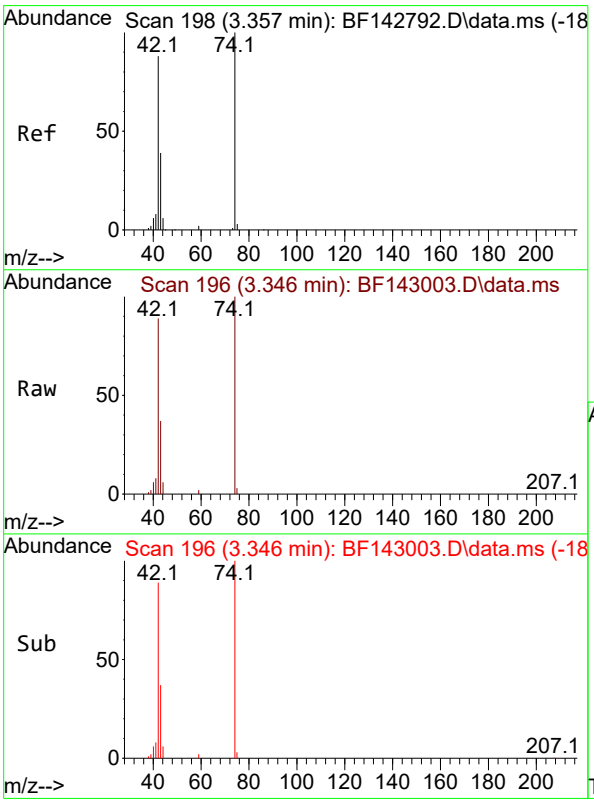

#3
Pyridine
Concen: 36.706 ng
RT: 3.393 min Scan# 2(
Delta R.T. -0.018 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 146566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 83.7 | 69.2 | 103.8 |
| 51 | 41.6 | 33.2 | 49.8 |

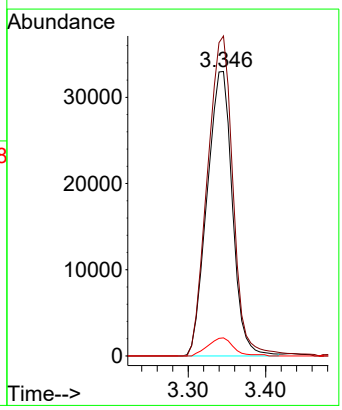


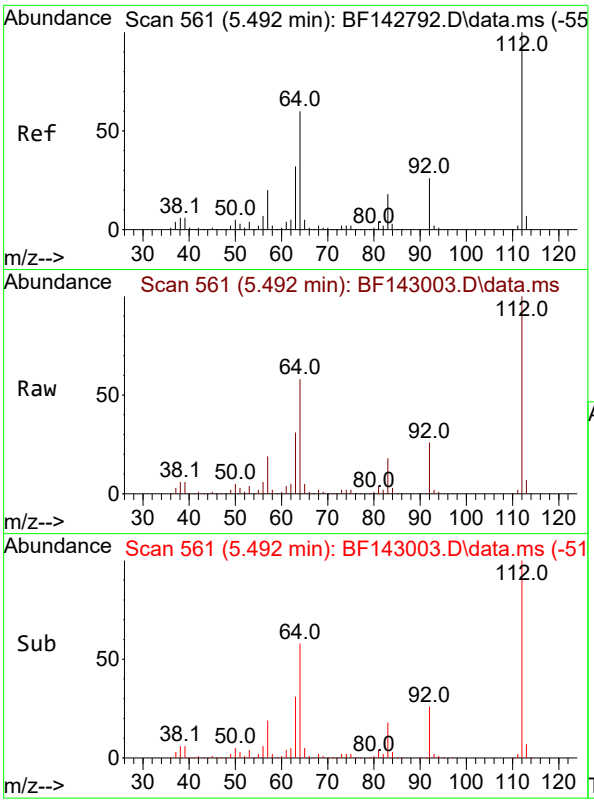




#4
n-Nitrosodimethylamine
Concen: 36.176 ng
RT: 3.346 min Scan# 196
Delta R.T. -0.012 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion: 42 Resp: 74697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 112.5 | 90.9 | 136.3 |
| 44 | 6.4 | 5.8 | 8.6 |



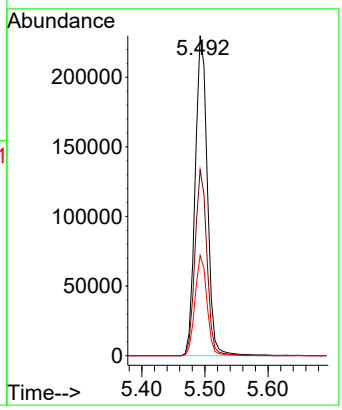


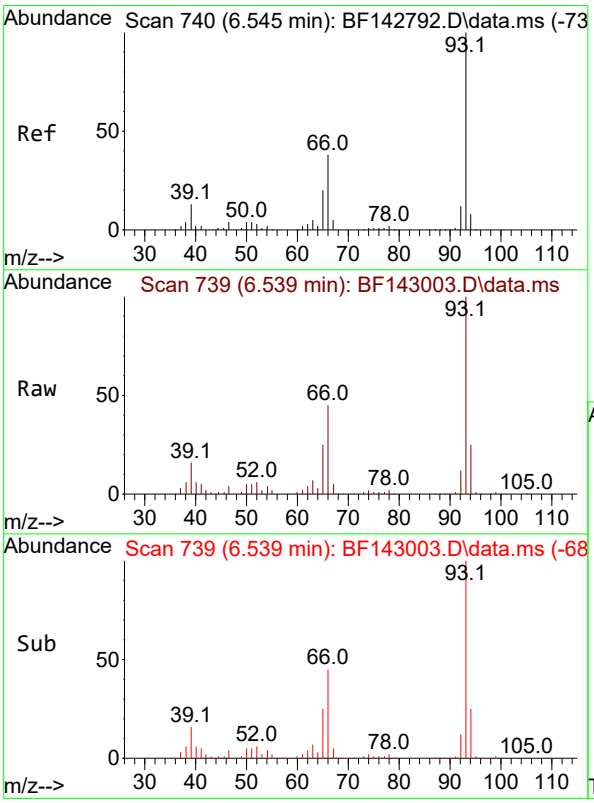

#5
2-Fluorophenol
Concen: 77.207 ng
RT: 5.492 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:112 Resp: 307448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.1 | 48.2 | 72.2 |
| 63 | 31.3 | 25.7 | 38.5 |

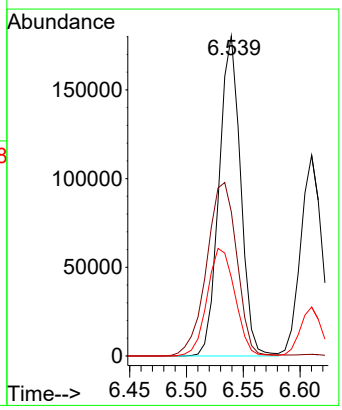


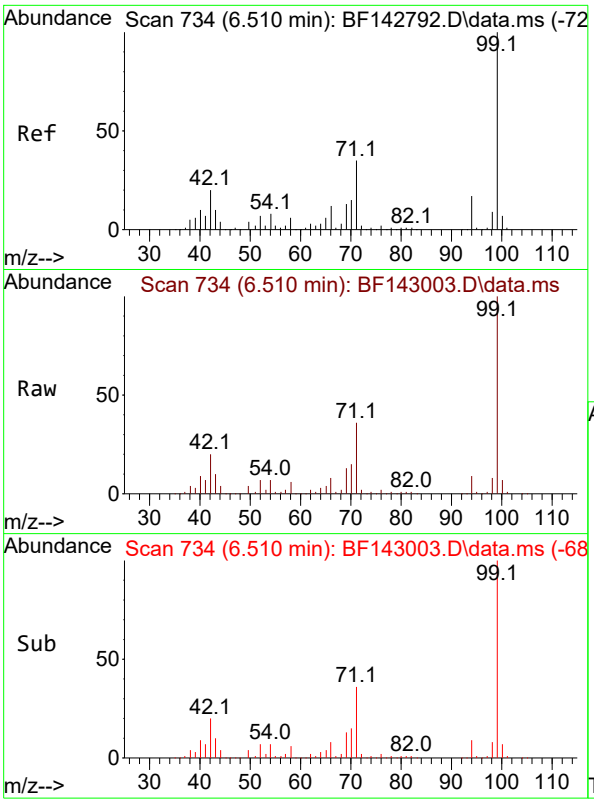




#6
Aniline
Concen: 38.069 ng
RT: 6.539 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion: 93 Resp: 237976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 45.0 | 31.8 | 47.6 |
| 65 | 24.6 | 16.2 | 24.2# |



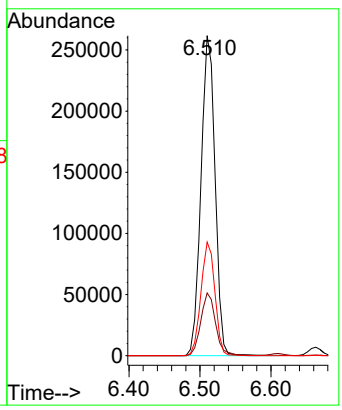


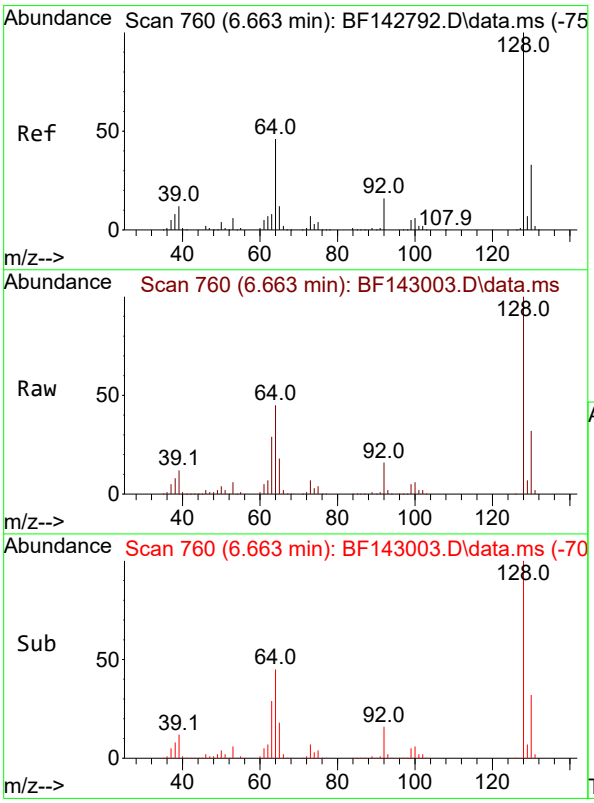

#7
Phenol-d6
Concen: 76.939 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 99 Resp: 361466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.6 | 15.9 | 23.9 |
| 71 | 35.5 | 27.8 | 41.8 |

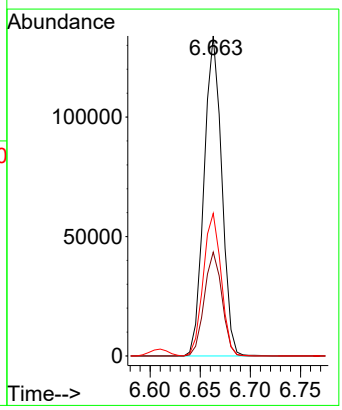


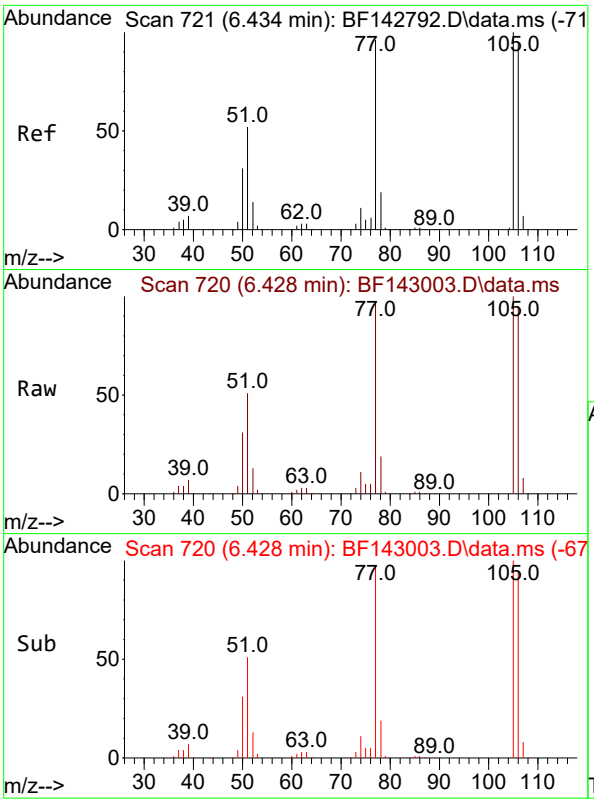




#8
2-Chlorophenol
Concen: 38.405 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:128 Resp: 164969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.5 | 12.7 | 52.7 |
| 64 | 44.6 | 26.5 | 66.5 |



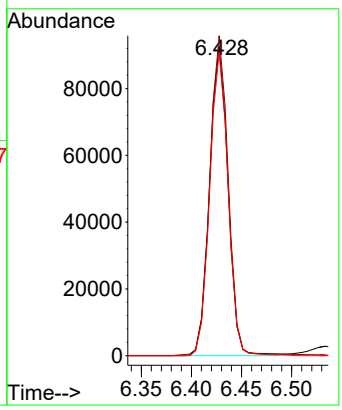


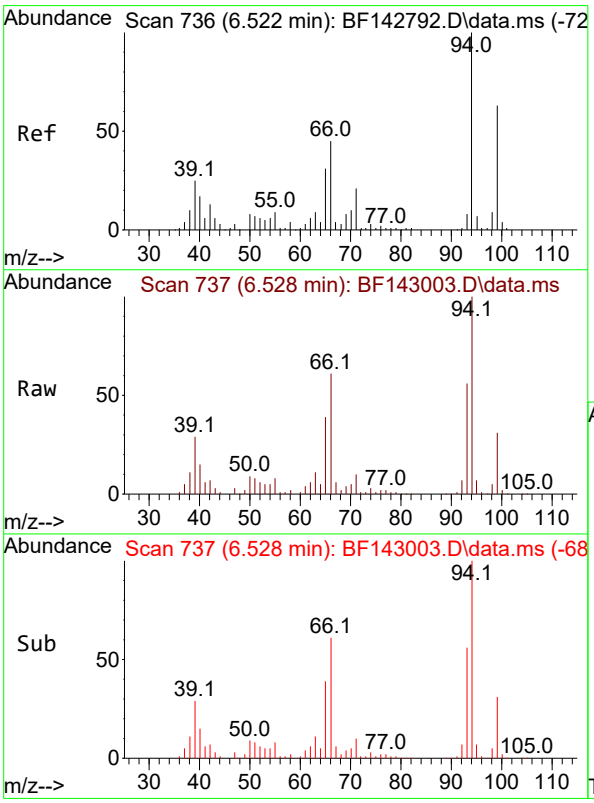

#9
Benzaldehyde
Concen: 42.667 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 118926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 103.4 | 83.8 | 123.8 |
| 106 | 98.0 | 78.7 | 118.7 |

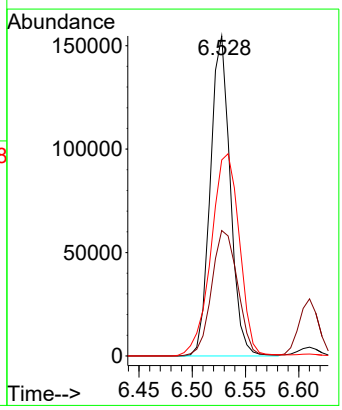


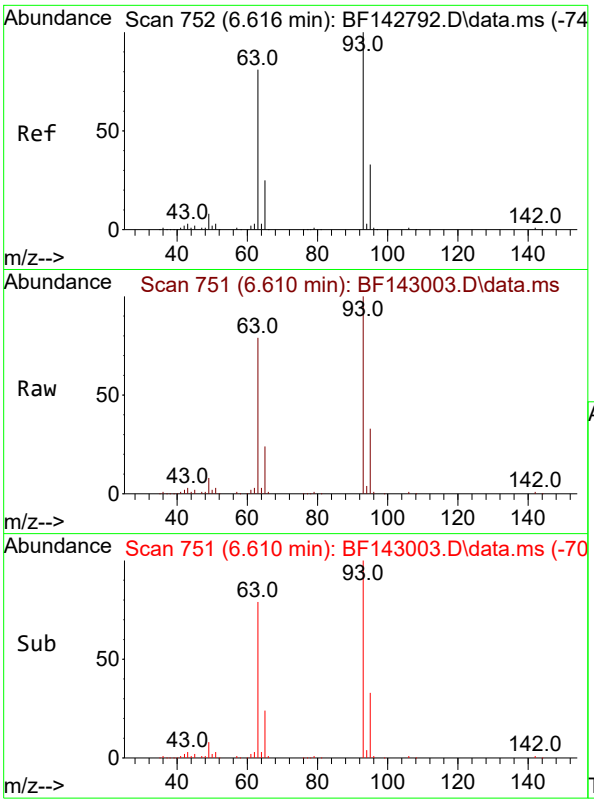




#10
Phenol
Concen: 38.395 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion: 94 Resp: 200512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 39.2 | 11.3 | 51.3 |
| 66 | 61.3 | 24.9 | 64.9 |



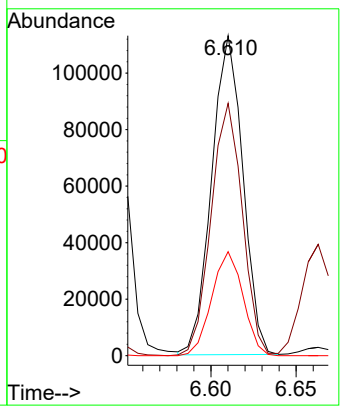


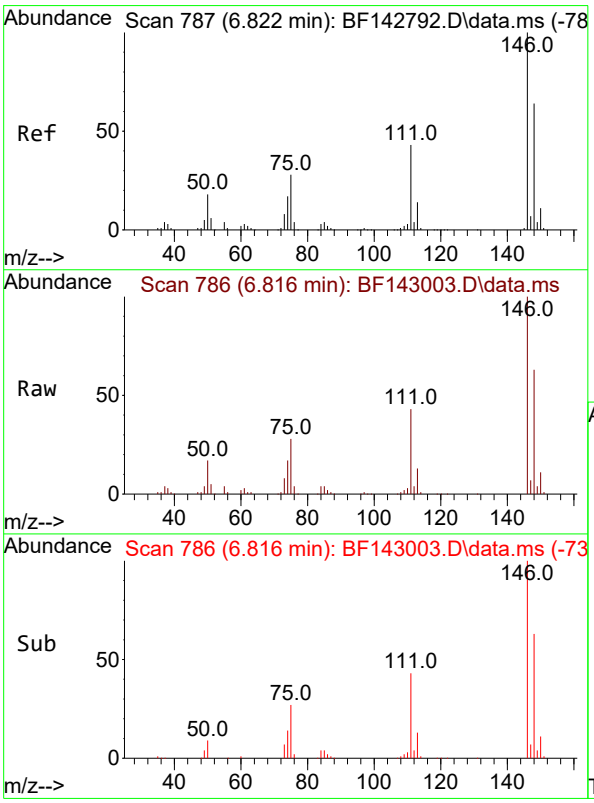

#11
bis(2-Chloroethyl)ether
Concen: 38.570 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 93 Resp: 143962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 78.9 | 60.3 | 100.3 |
| 95 | 32.5 | 12.5 | 52.5 |

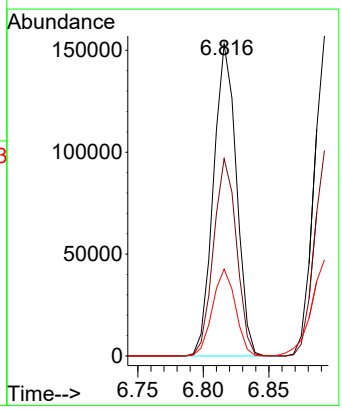


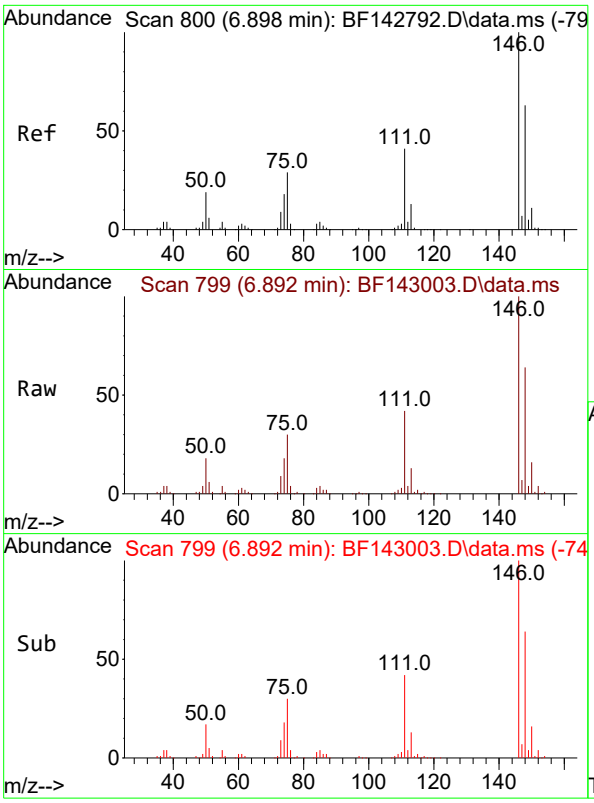




#12
1,3-Dichlorobenzene
Concen: 38.778 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:146 Resp: 186294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.2 | 51.1 | 76.7 |
| 75 | 27.8 | 22.7 | 34.1 |



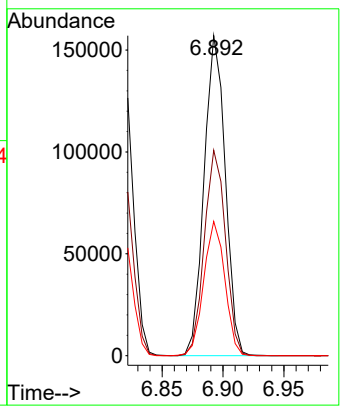


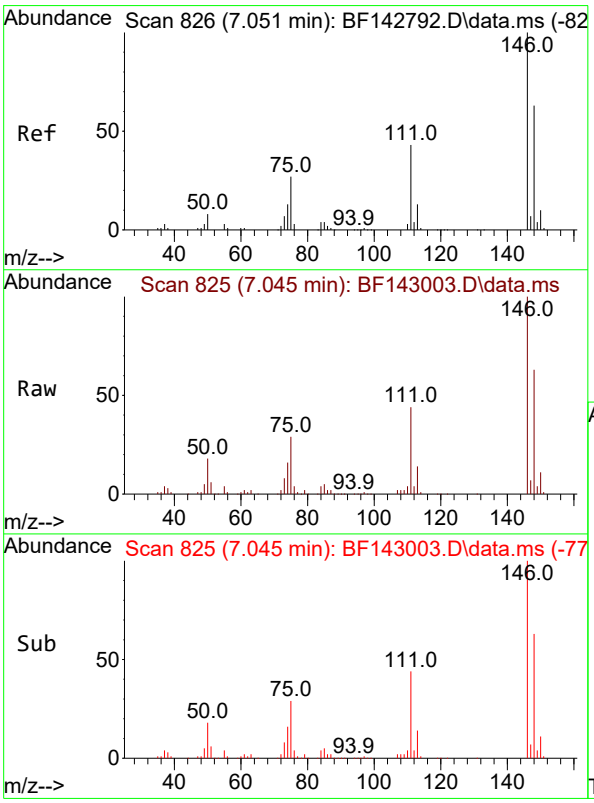

#13
1,4-Dichlorobenzene
Concen: 39.211 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:146 Resp: 190051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 50.2 | 75.2 |
| 111 | 41.9 | 33.2 | 49.8 |

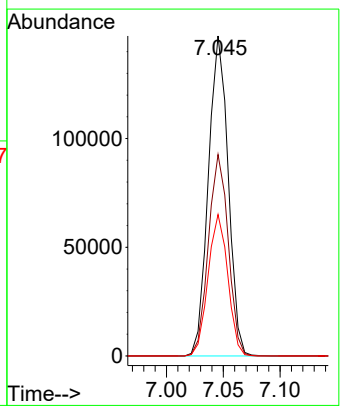


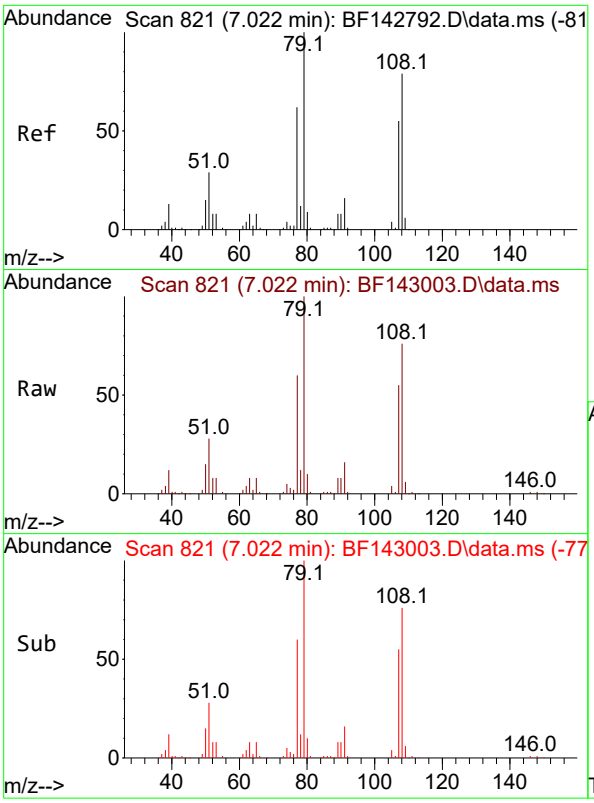




#14
1,2-Dichlorobenzene
Concen: 38.836 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:146 Resp: 178538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.9 | 50.4 | 75.6 |
| 111 | 44.2 | 34.1 | 51.1 |



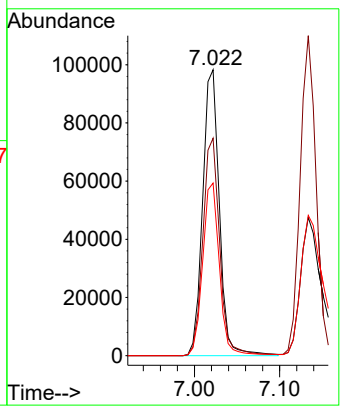


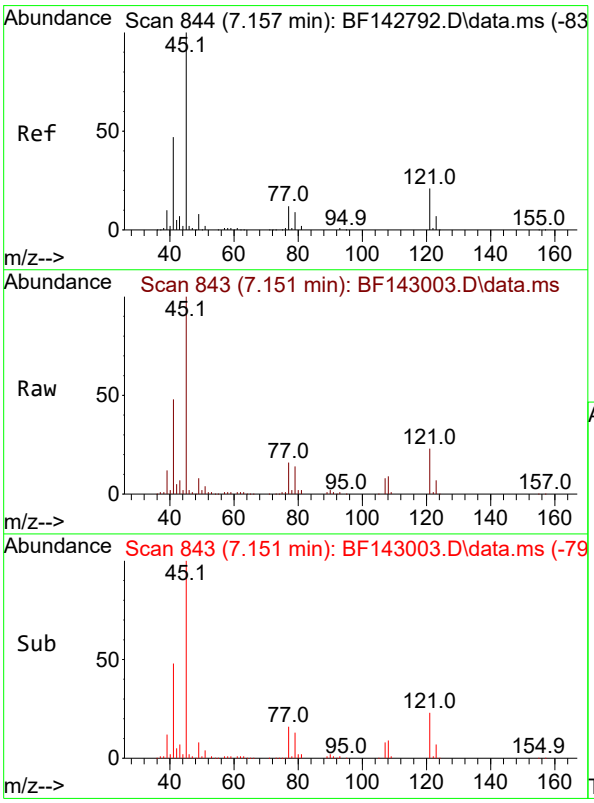

#15
Benzyl Alcohol
Concen: 39.365 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 133701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.1 | 63.4 | 95.0 |
| 77 | 60.4 | 49.5 | 74.3 |

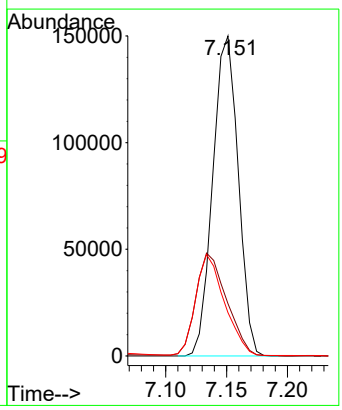


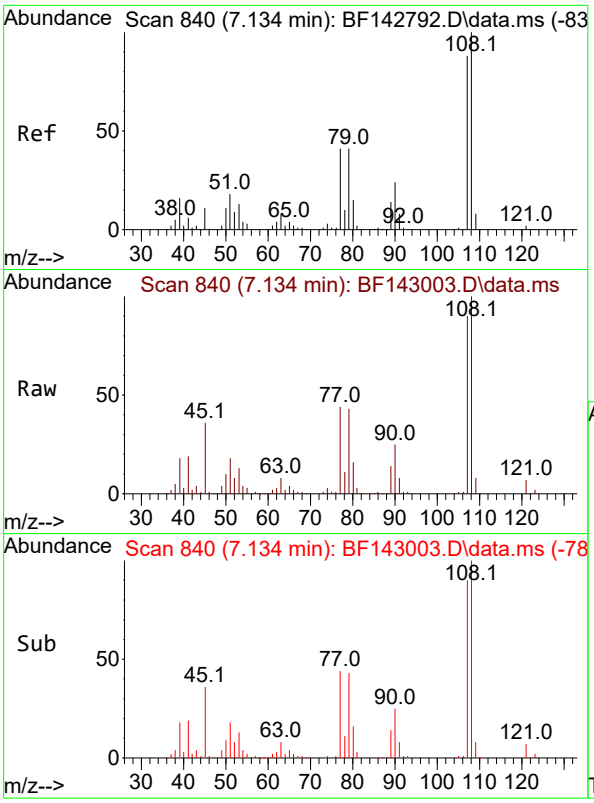




#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.367 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion: 45 Resp: 218081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 16.4 | 0.0 | 32.8 |
| 79 | 13.6 | 0.0 | 29.8 |



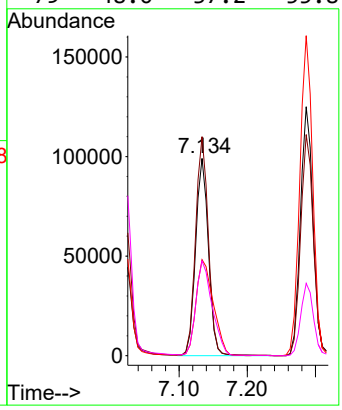


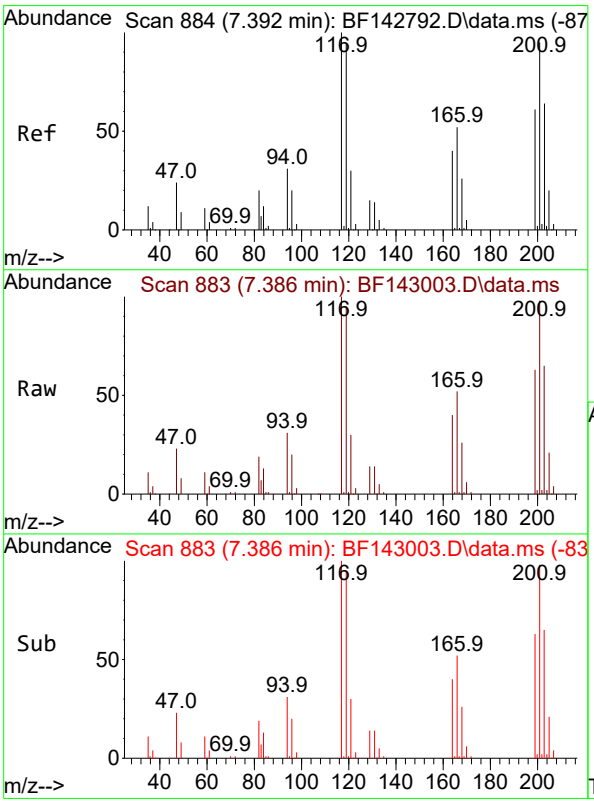

#17
2-Methylphenol
Concen: 39.871 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:107 Resp: 129791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.0 | 90.9 | 136.3 |
| 77 | 48.7 | 37.3 | 55.9 |
| 79 | 48.0 | 37.2 | 55.8 |

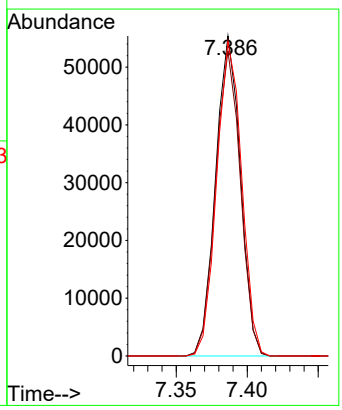


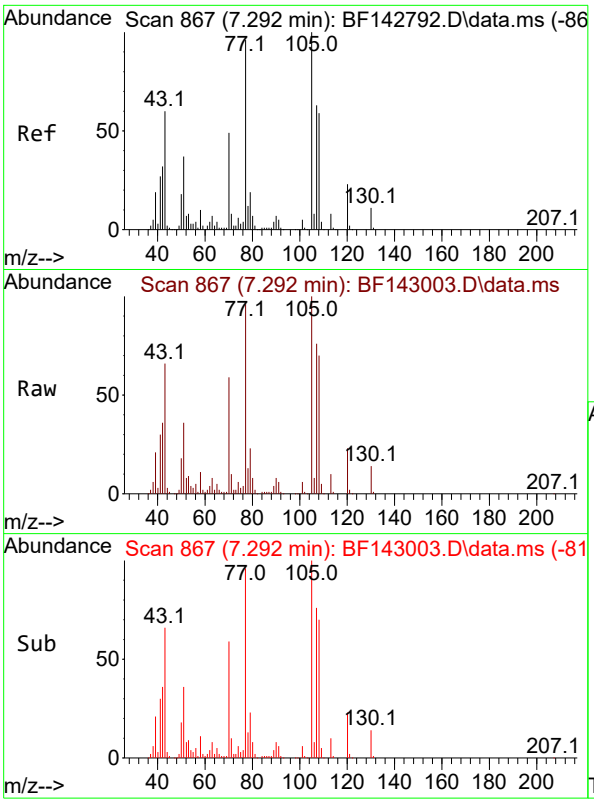




#18
Hexachloroethane
Concen: 39.601 ng
RT: 7.386 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:117 Resp: 67136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.3 | 75.4 | 113.0 |
| 201 | 98.3 | 75.9 | 113.9 |



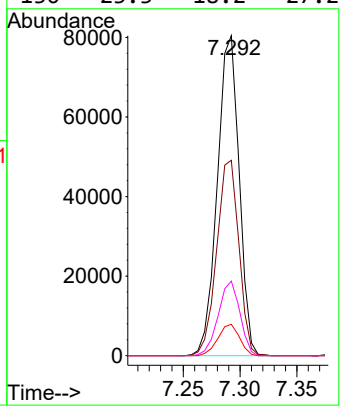


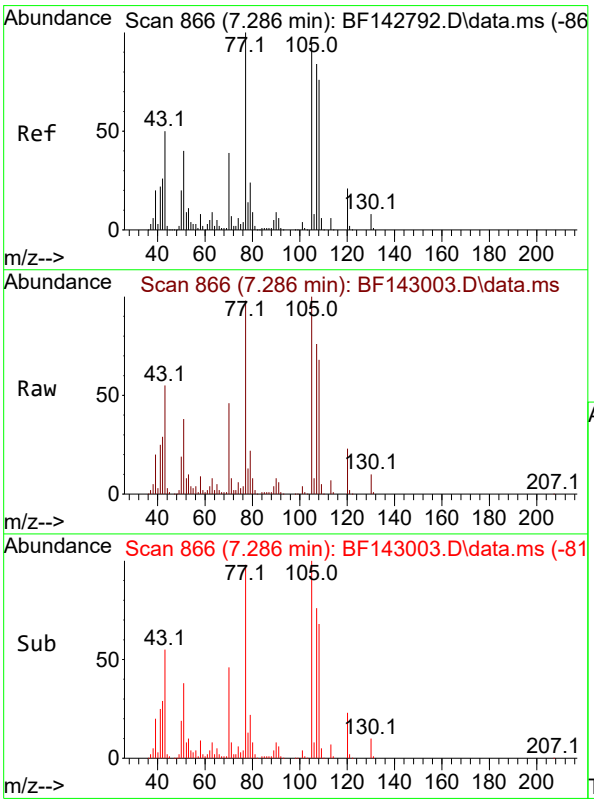

#19
n-Nitroso-di-n-propylamine
Concen: 39.369 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 70 Resp: 107572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 61.0 | 52.1 | 78.1 |
| 101 | 9.8 | 8.2 | 12.2 |
| 130 | 23.3 | 18.2 | 27.2 |

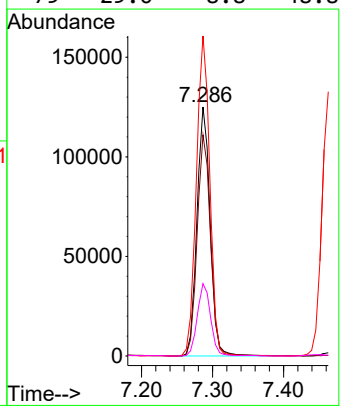


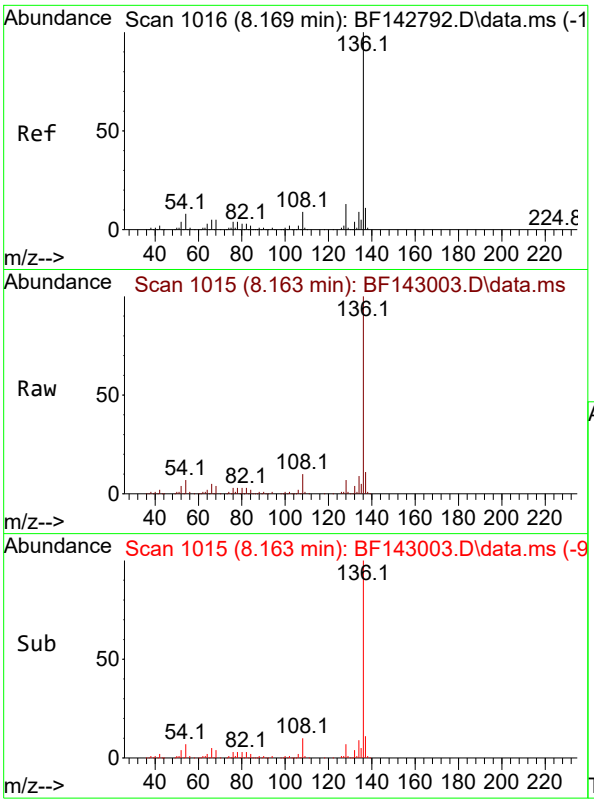




#20
3+4-Methylphenols
Concen: 39.972 ng
RT: 7.286 min Scan# 866
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:107 Resp: 162236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.8 | 70.0 | 110.0 |
| 77 | 128.5 | 98.5 | 138.5 |
| 79 | 29.0 | 8.8 | 48.8 |



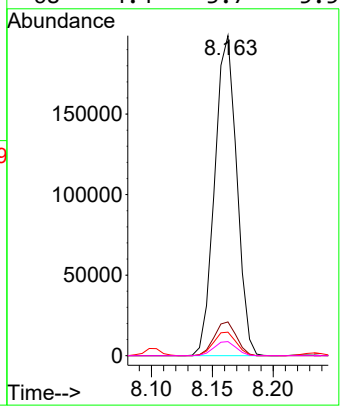


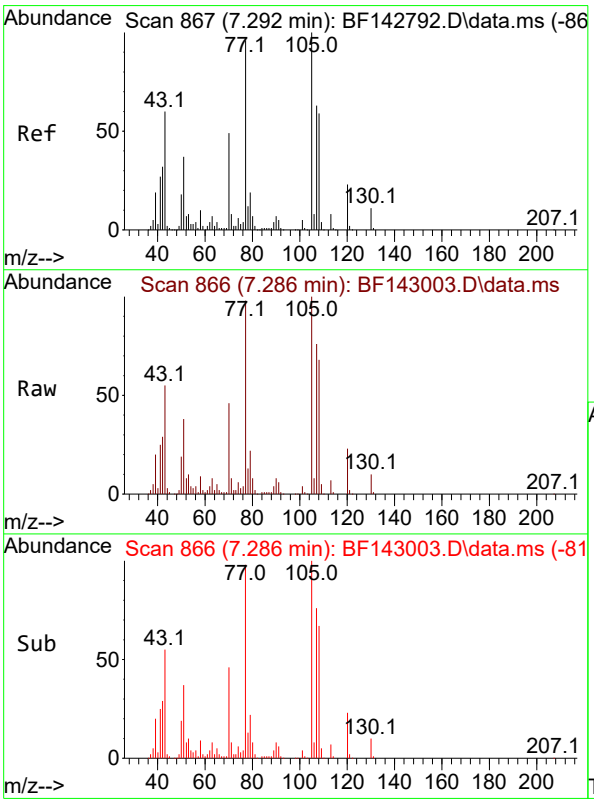

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:136 Resp: 250576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.5 | 8.4 | 12.6 |
| 54 | 7.4 | 6.3 | 9.5 |
| 68 | 4.4 | 3.7 | 5.5 |

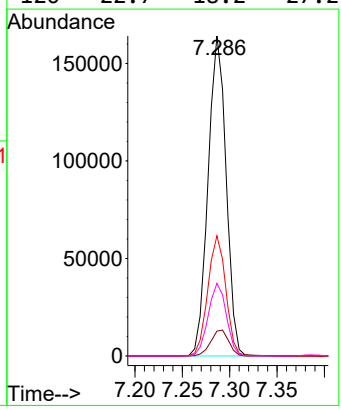


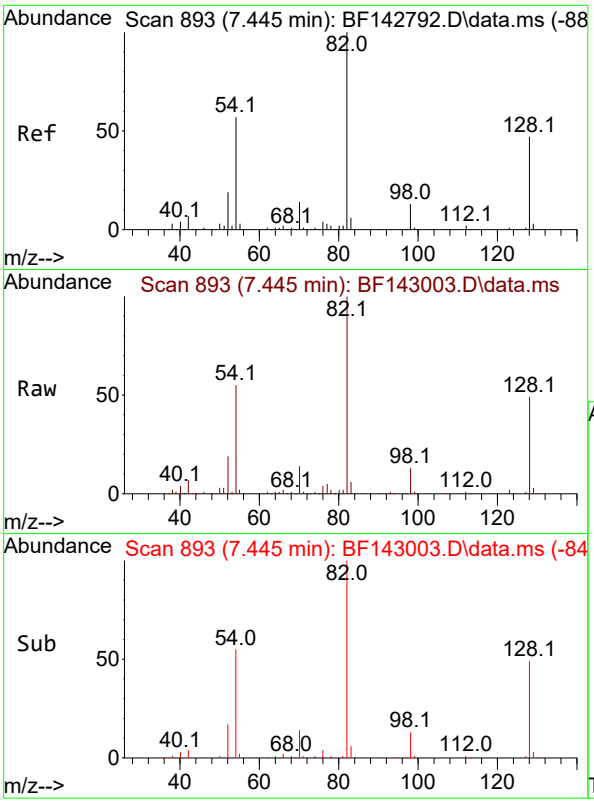




#22
Acetophenone
Concen: 39.346 ng
RT: 7.286 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:105 Resp: 217414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.8 | 6.5 | 9.7 |
| 51 | 37.5 | 29.8 | 44.8 |
| 120 | 22.7 | 18.2 | 27.2 |



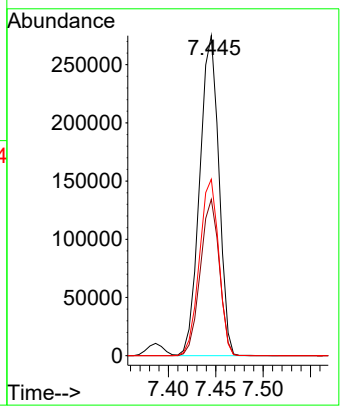


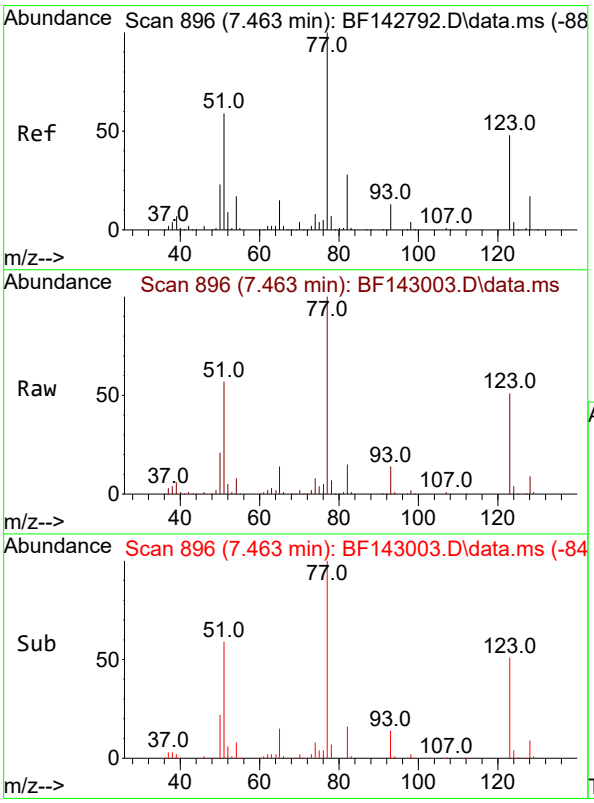

#23
Nitrobenzene-d5
Concen: 84.475 ng
RT: 7.445 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 385910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.8 | 37.7 | 56.5 |
| 54 | 55.2 | 45.7 | 68.5 |

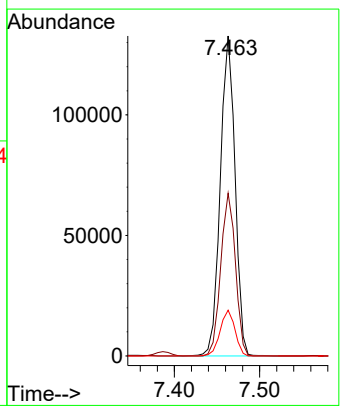


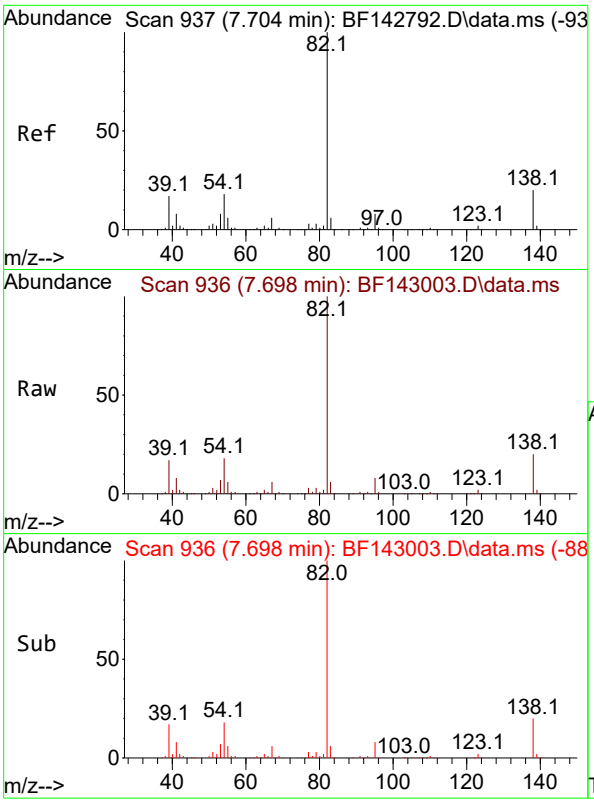




#24
Nitrobenzene
Concen: 38.630 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion: 77 Resp: 159724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 50.8 | 39.2 | 58.8 |
| 65 | 14.3 | 11.6 | 17.4 |



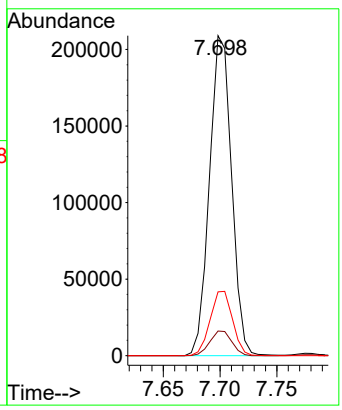


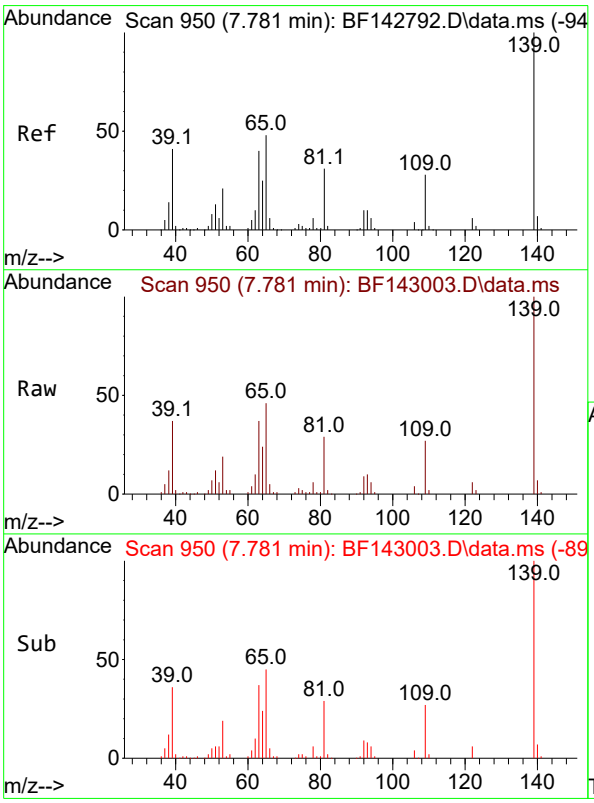

#25
Isophorone
Concen: 38.672 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 283403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.7 | 6.2 | 9.2 |
| 138 | 20.0 | 16.2 | 24.4 |

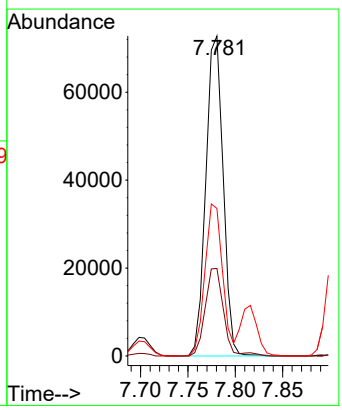


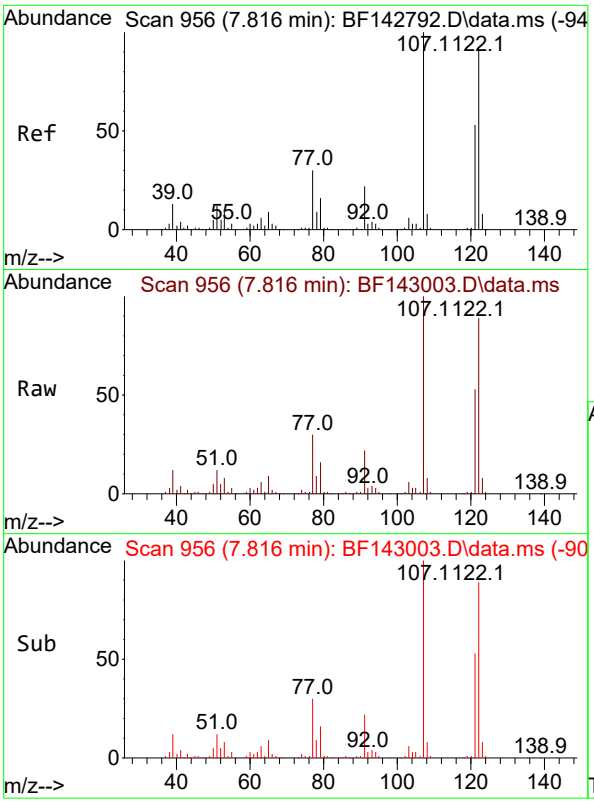




#26
2-Nitrophenol
Concen: 41.029 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:139 Resp: 92413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 27.4 | 22.7 | 34.1 |
| 65 | 46.1 | 38.6 | 58.0 |



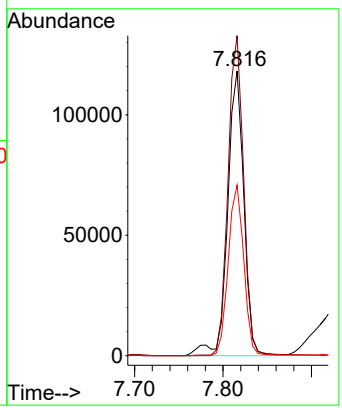


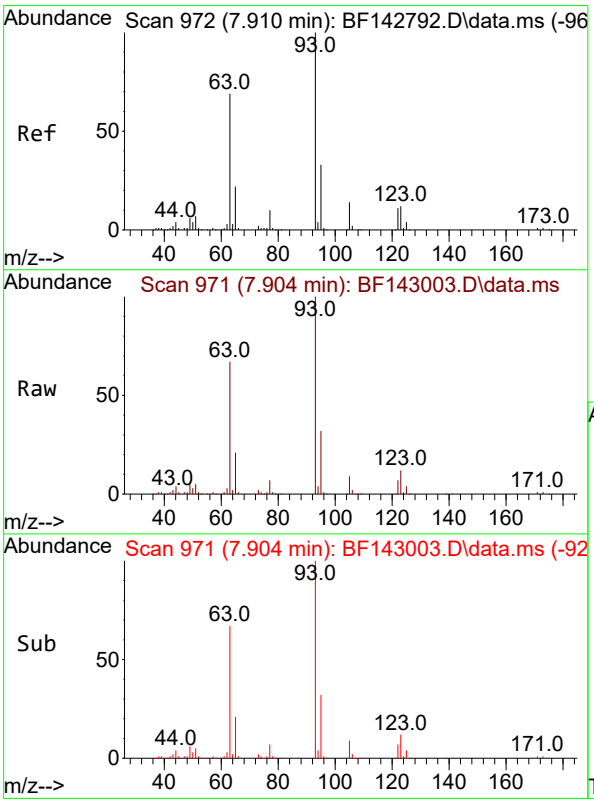

#27
2,4-Dimethylphenol
Concen: 38.538 ng m
RT: 7.816 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:122 Resp: 150356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.4 | 88.0 | 132.0 |
| 121 | 59.9 | 46.3 | 69.5 |

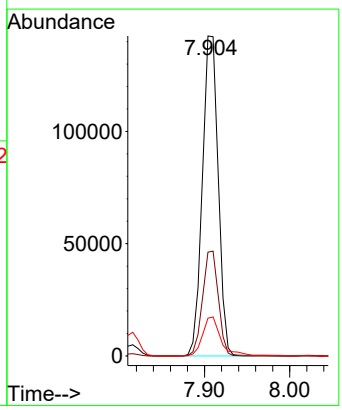


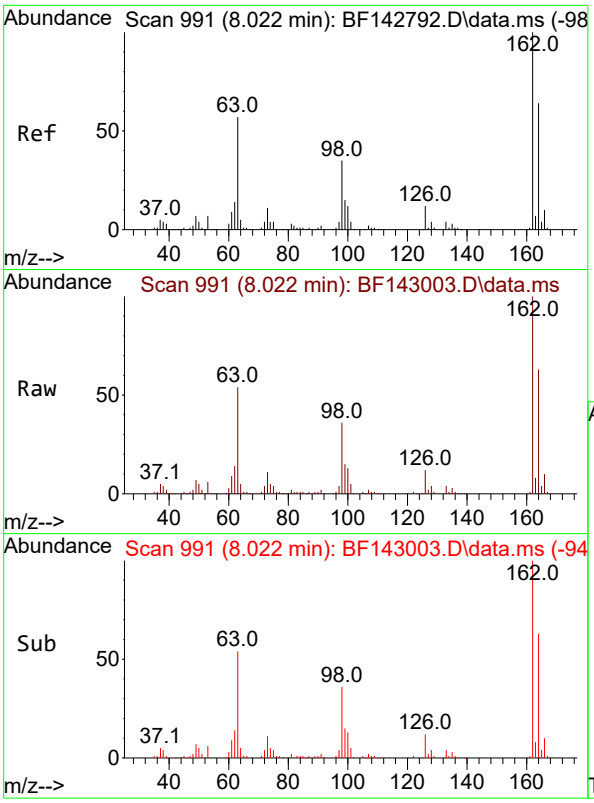




#28
bis(2-Chloroethoxy)methane
Concen: 39.573 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion: 93 Resp: 184372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.5 | 26.2 | 39.2 |
| 123 | 11.8 | 9.9 | 14.9 |



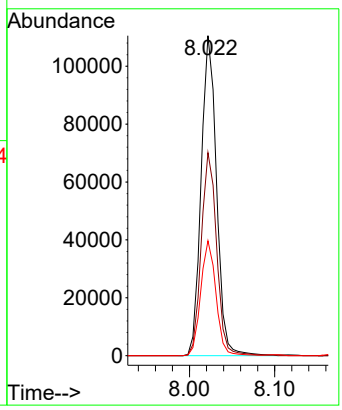


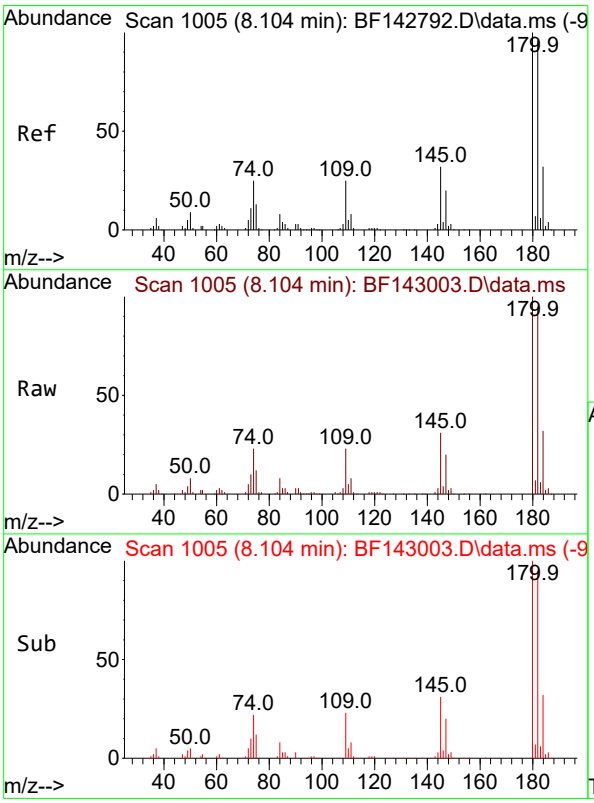

#29
2,4-Dichlorophenol
Concen: 39.320 ng
RT: 8.022 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 139097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.4 | 44.0 | 84.0 |
| 98 | 35.9 | 15.4 | 55.4 |

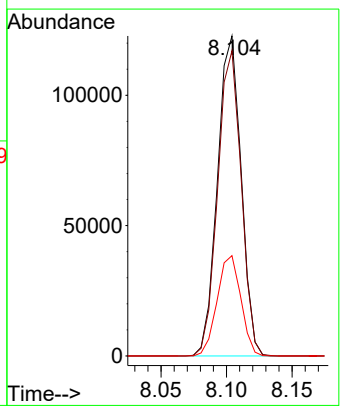


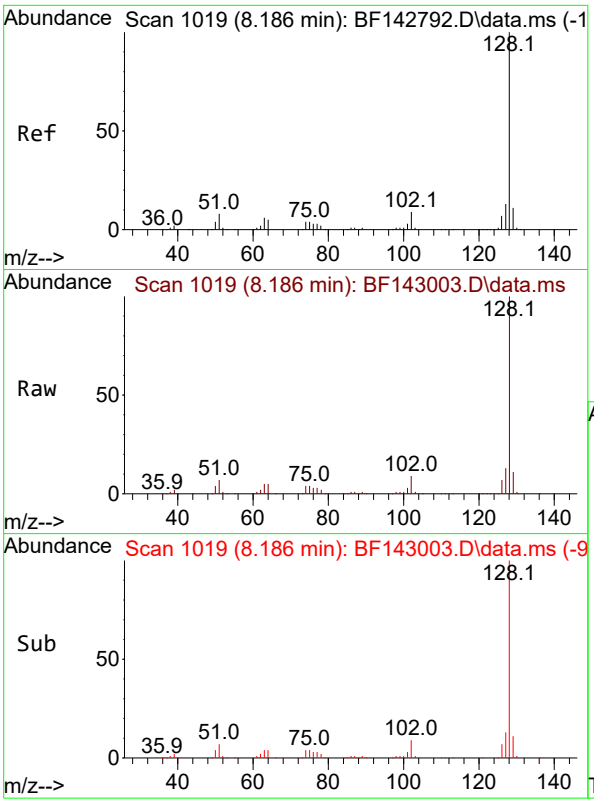




#30
1,2,4-Trichlorobenzene
Concen: 39.498 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:180 Resp: 153647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 76.4 | 114.6 |
| 145 | 31.3 | 25.8 | 38.8 |



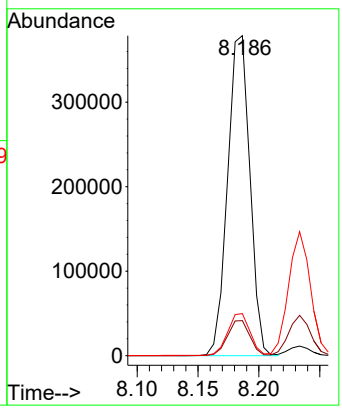


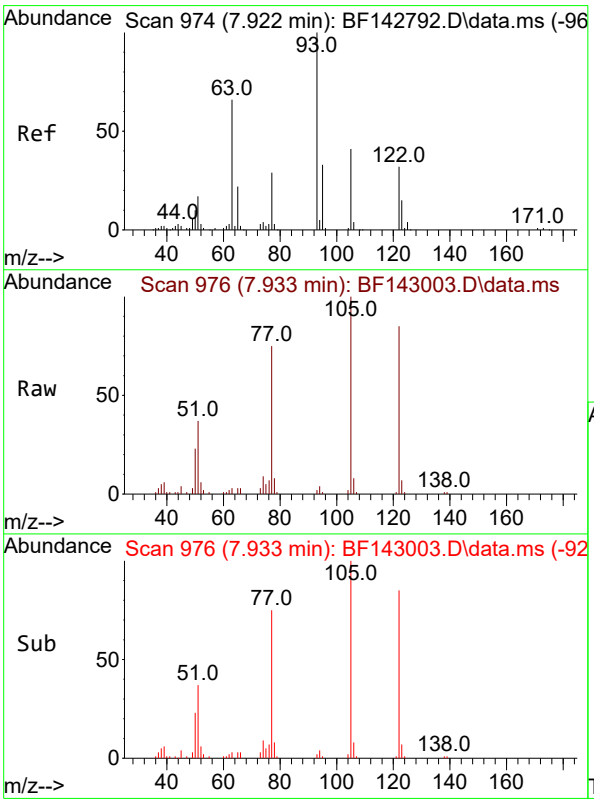

#31
Naphthalene
Concen: 39.334 ng
RT: 8.186 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:128 Resp: 482441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.9 | 13.3 |
| 127 | 13.1 | 10.4 | 15.6 |

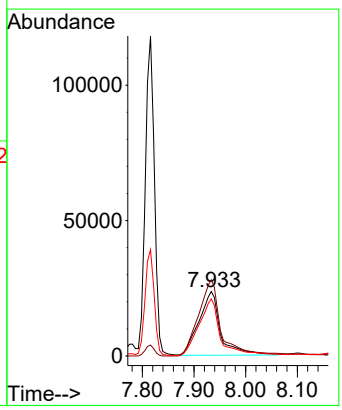


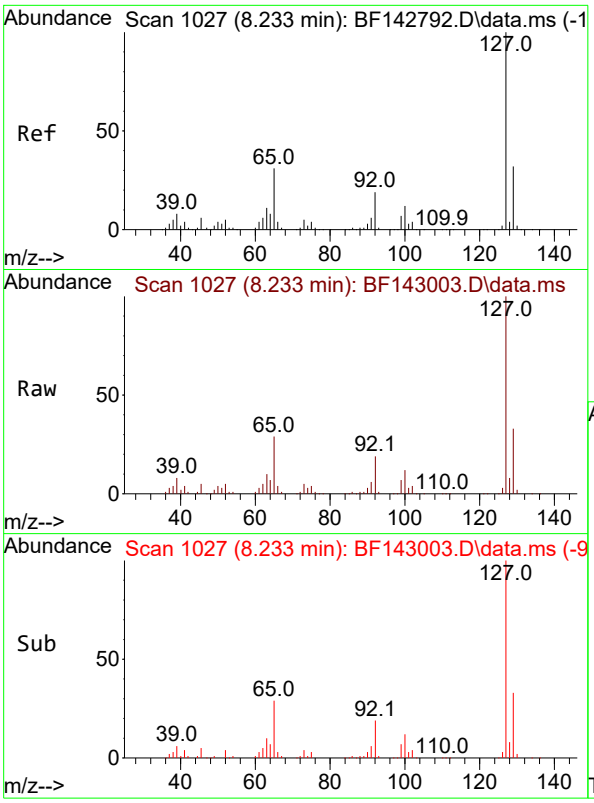




#32
Benzoic acid
Concen: 34.462 ng
RT: 7.933 min Scan# 976
Delta R.T. 0.012 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:122 Resp: 68529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 118.0 | 104.7 | 144.7 |
| 77 | 88.5 | 70.2 | 110.2 |



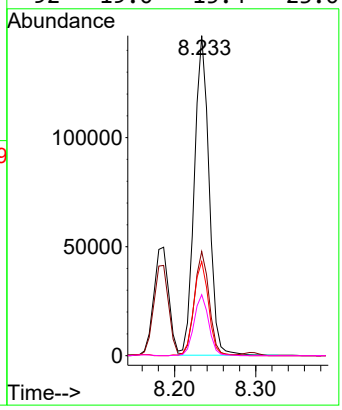


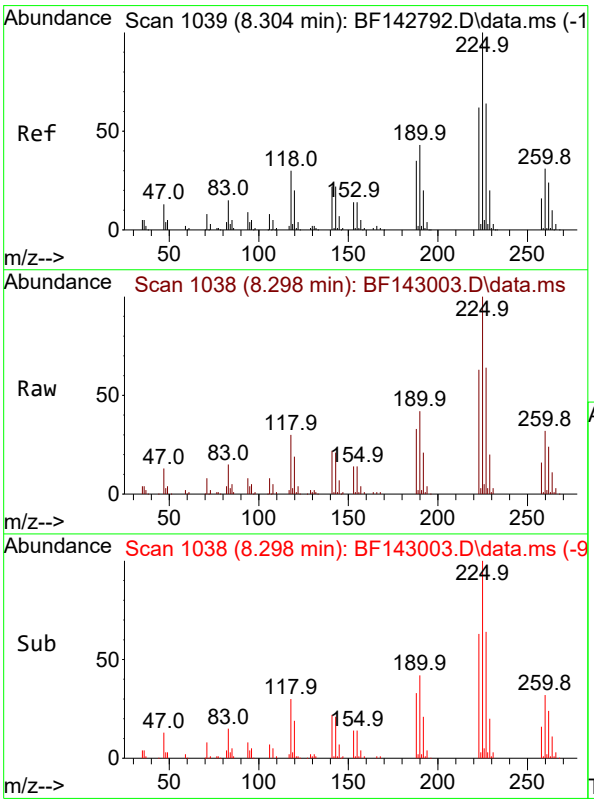

#33
4-Chloroaniline
Concen: 37.195 ng
RT: 8.233 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:127 Resp: 185501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.6 | 25.9 | 38.9 |
| 65 | 29.4 | 24.6 | 36.8 |
| 92 | 19.0 | 15.4 | 23.0 |

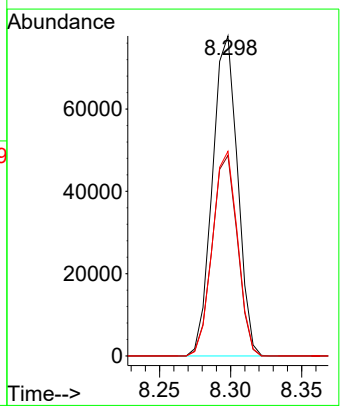


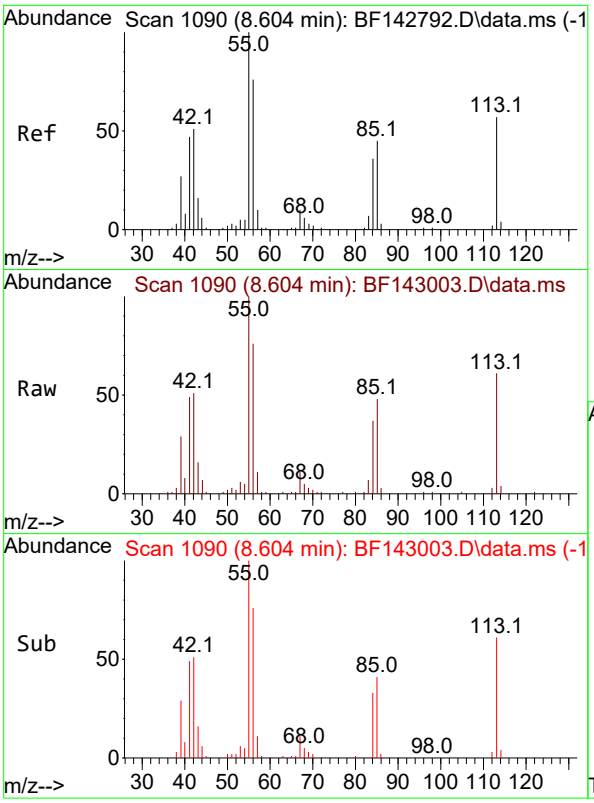




#34
Hexachlorobutadiene
Concen: 40.249 ng
RT: 8.298 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:225 Resp: 95769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.6 | 49.9 | 74.9 |
| 227 | 64.0 | 51.4 | 77.0 |



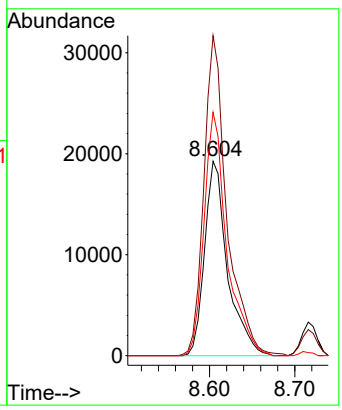


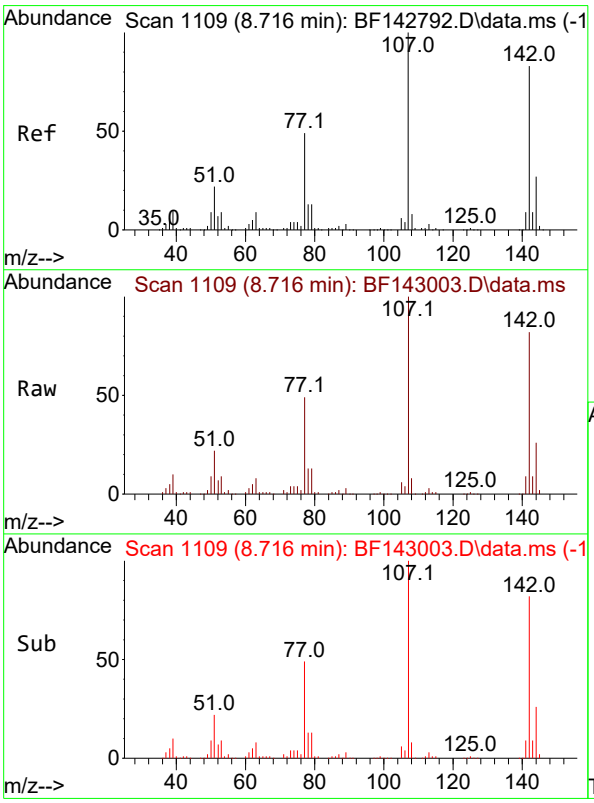

#35
Caprolactam
Concen: 38.545 ng
RT: 8.604 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:113 Resp: 35981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 164.7 | 154.4 | 194.4 |
| 56 | 125.2 | 112.1 | 152.1 |

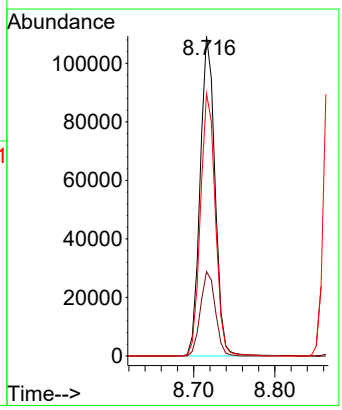


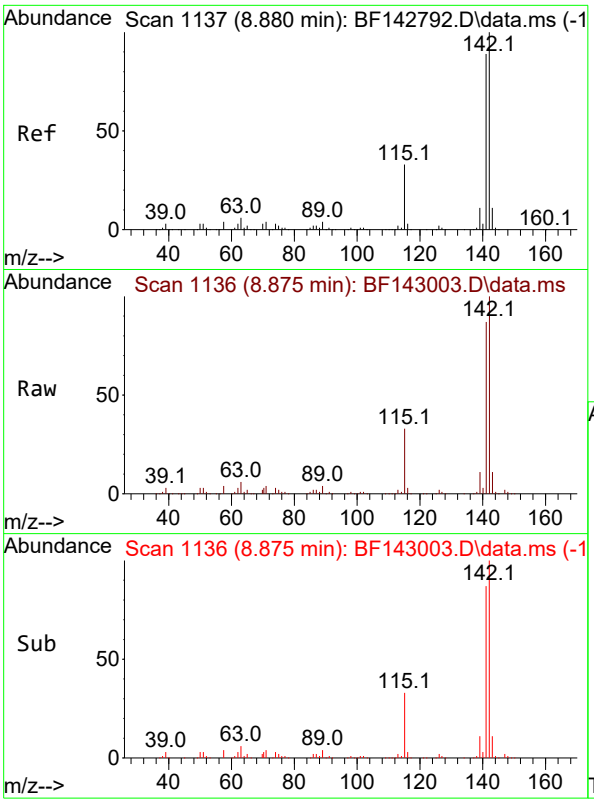




#36
4-Chloro-3-methylphenol
Concen: 39.359 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:107 Resp: 138376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.3 | 21.3 | 31.9 |
| 142 | 82.0 | 66.6 | 100.0 |



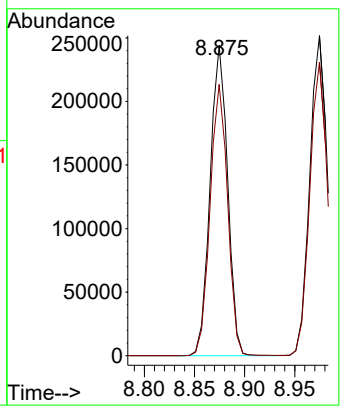


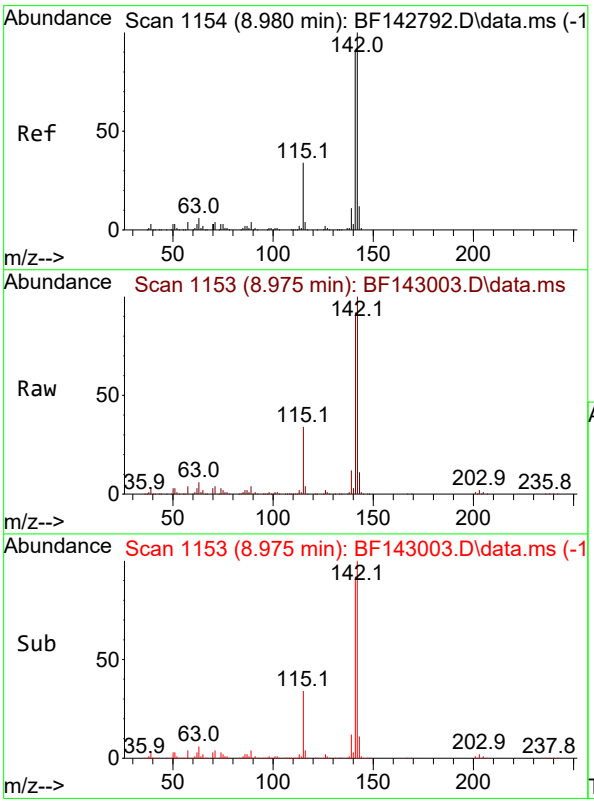

#37
2-Methylnaphthalene
Concen: 39.070 ng
RT: 8.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:142 Resp: 297088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.4 | 70.9 | 106.3 |

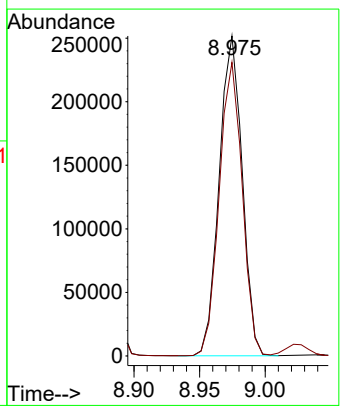


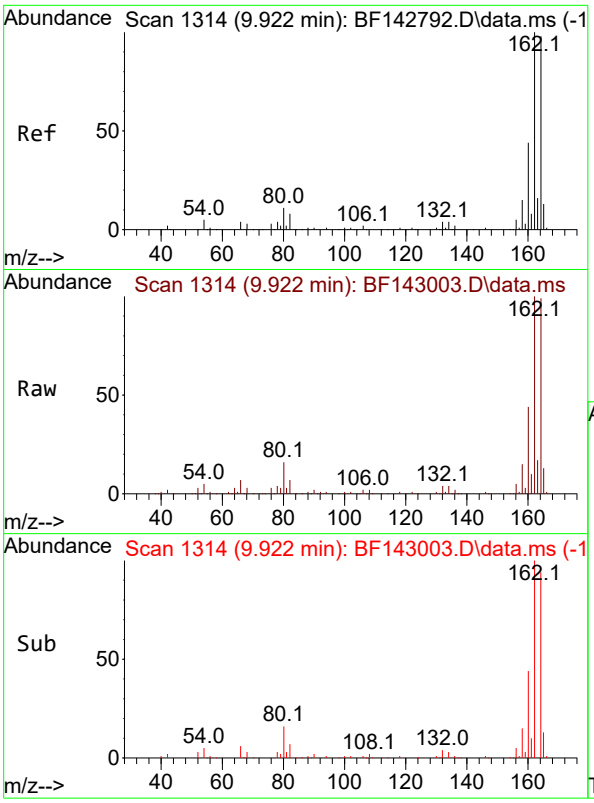




#38
1-Methylnaphthalene
Concen: 38.897 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:142 Resp: 306180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.7 | 73.0 | 109.4 |



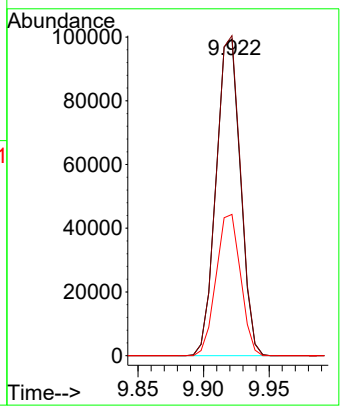


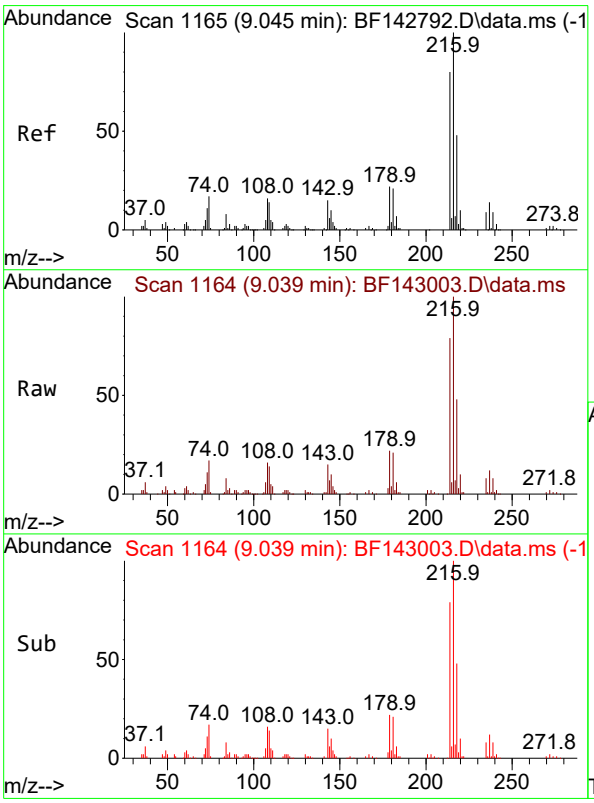

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:164 Resp: 128386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.1 | 81.8 | 122.8 |
| 160 | 44.6 | 36.0 | 54.0 |

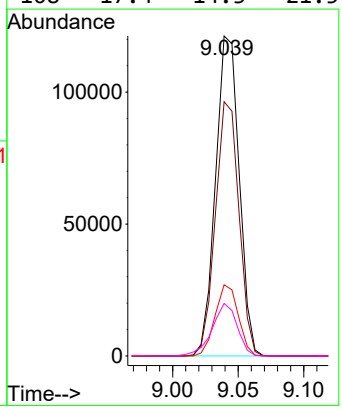


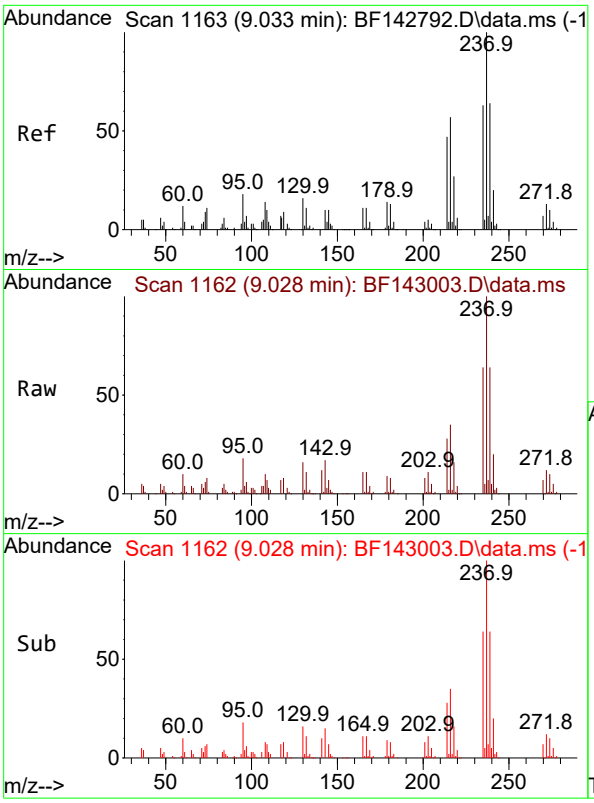




#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.120 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:216 Resp: 151986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.1 | 63.7 | 95.5 |
| 179 | 21.8 | 17.6 | 26.4 |
| 108 | 17.4 | 14.3 | 21.5 |



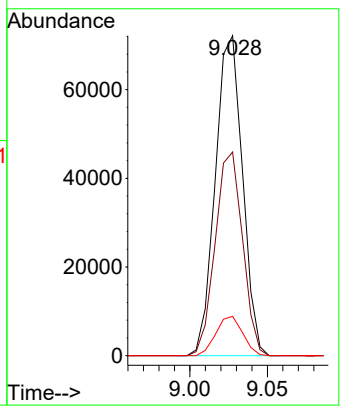


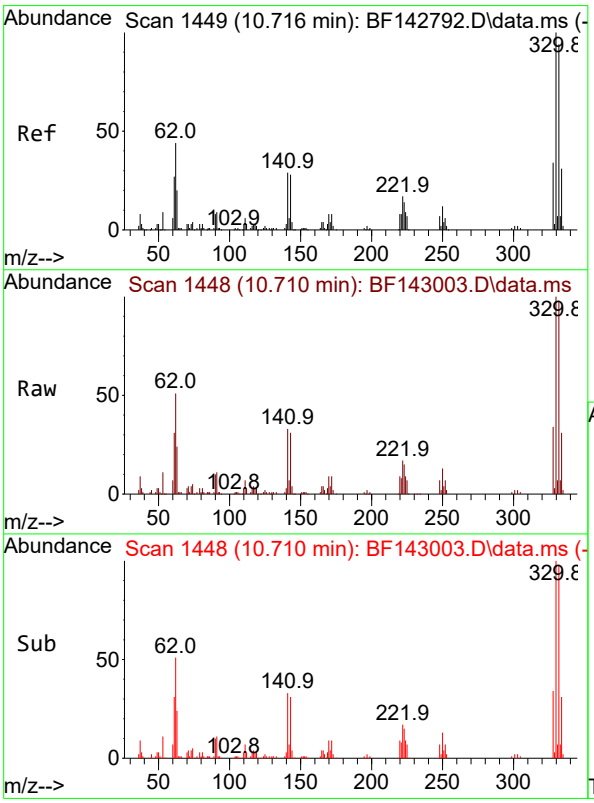

#41
Hexachlorocyclopentadiene
Concen: 40.967 ng
RT: 9.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:237 Resp: 88069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.6 | 43.4 | 83.4 |
| 272 | 12.3 | 0.0 | 32.7 |

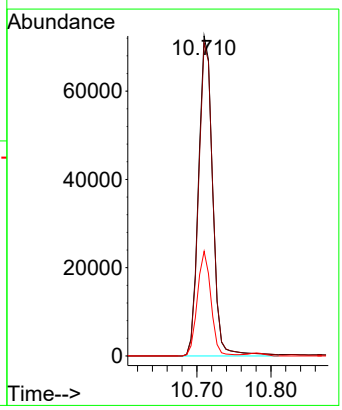


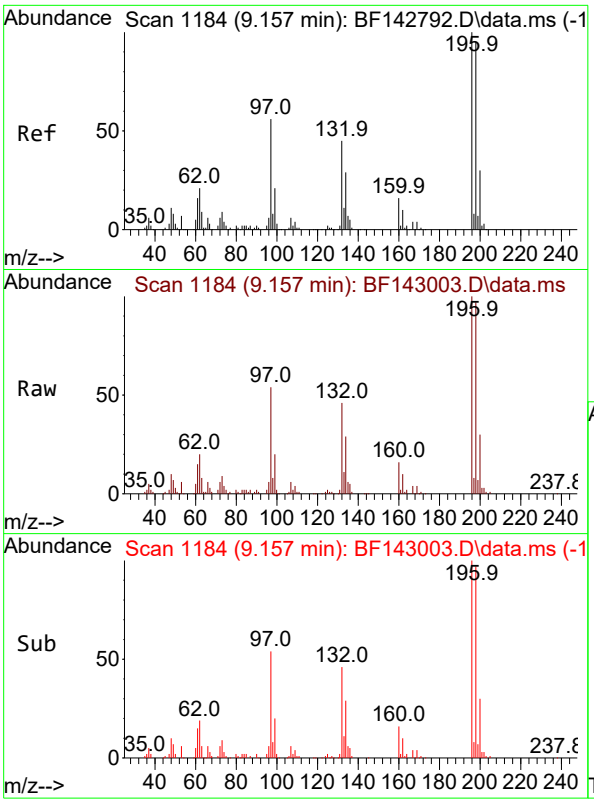




#42
2,4,6-Tribromophenol
Concen: 72.570 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:330 Resp: 95878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.5 | 75.0 | 112.6 |
| 141 | 31.6 | 25.3 | 37.9 |



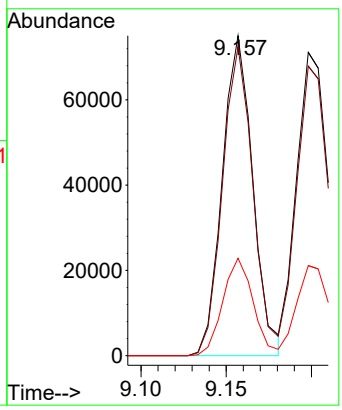


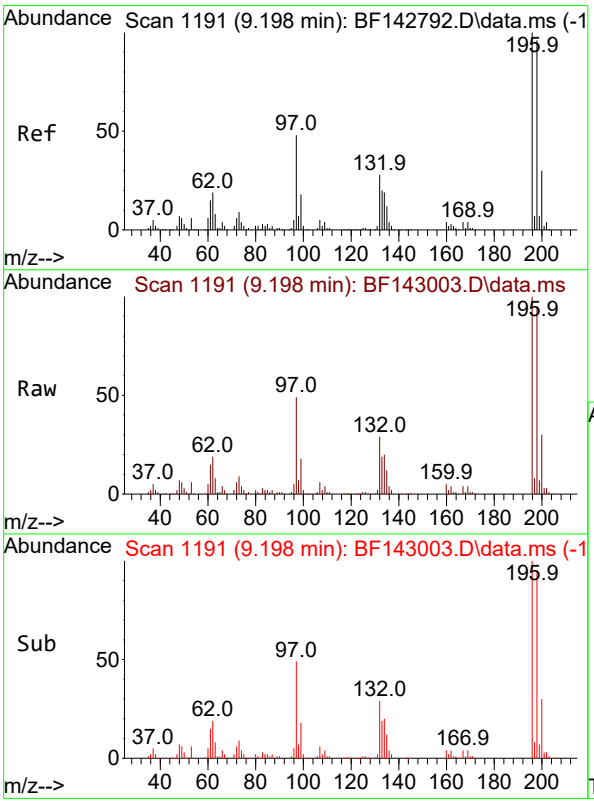

#43
2,4,6-Trichlorophenol
Concen: 37.913 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:196 Resp: 93588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.6 | 76.2 | 114.2 |
| 200 | 30.4 | 24.1 | 36.1 |

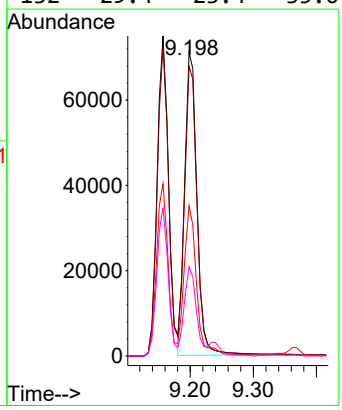


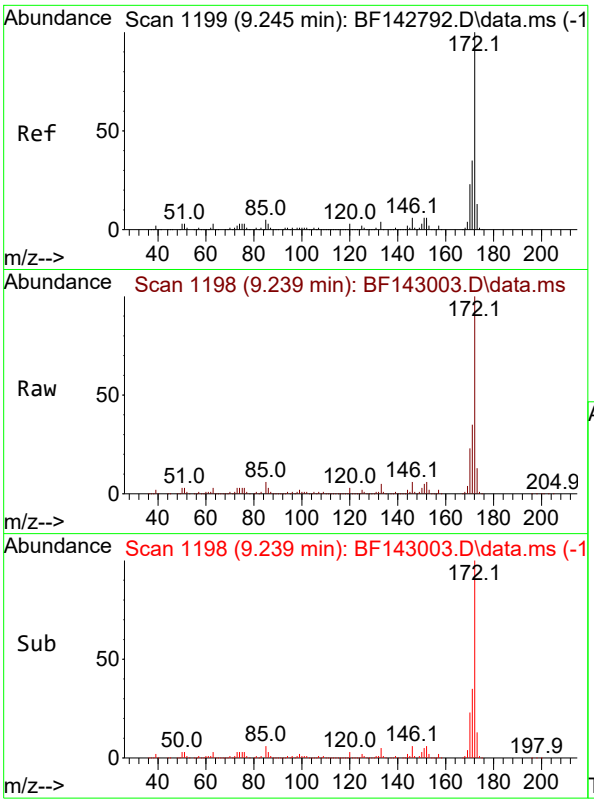




#44
2,4,5-Trichlorophenol
Concen: 37.348 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:196 Resp: 97051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.4 | 76.6 | 115.0 |
| 97 | 49.4 | 38.2 | 57.2 |
| 132 | 29.4 | 23.4 | 35.0 |



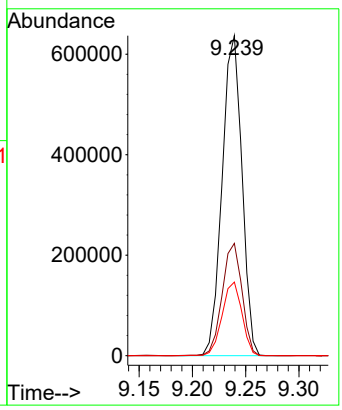


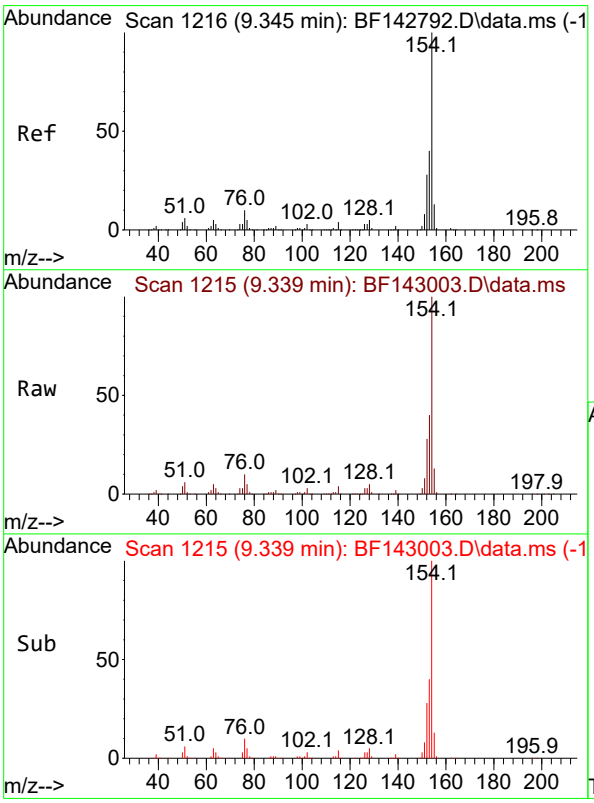

#45
2-Fluorobiphenyl
Concen: 84.026 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:172 Resp: 821191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.1 | 28.2 | 42.4 |
| 170 | 23.0 | 18.5 | 27.7 |

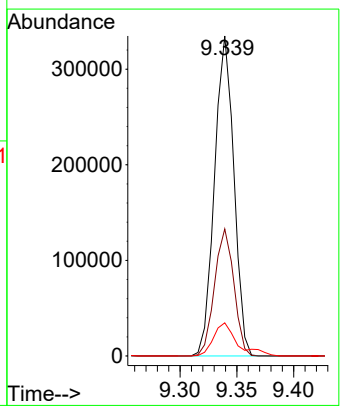


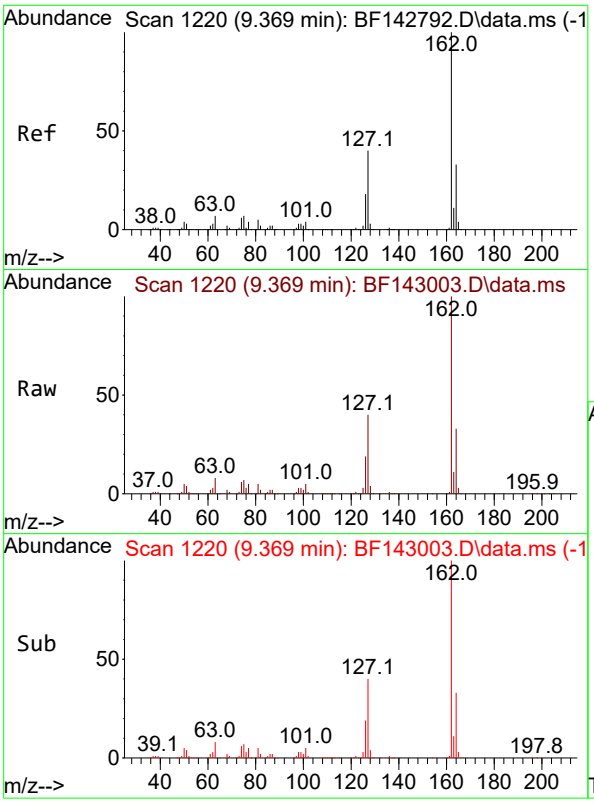




#46
1,1'-Biphenyl
Concen: 39.146 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:154 Resp: 397007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.7 | 20.3 | 60.3 |
| 76 | 10.4 | 0.0 | 30.3 |



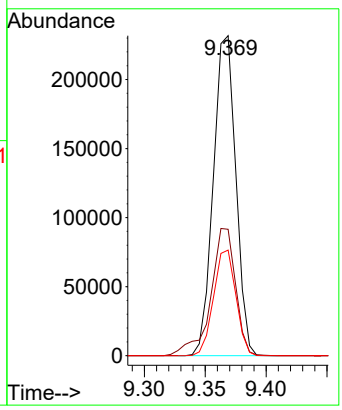


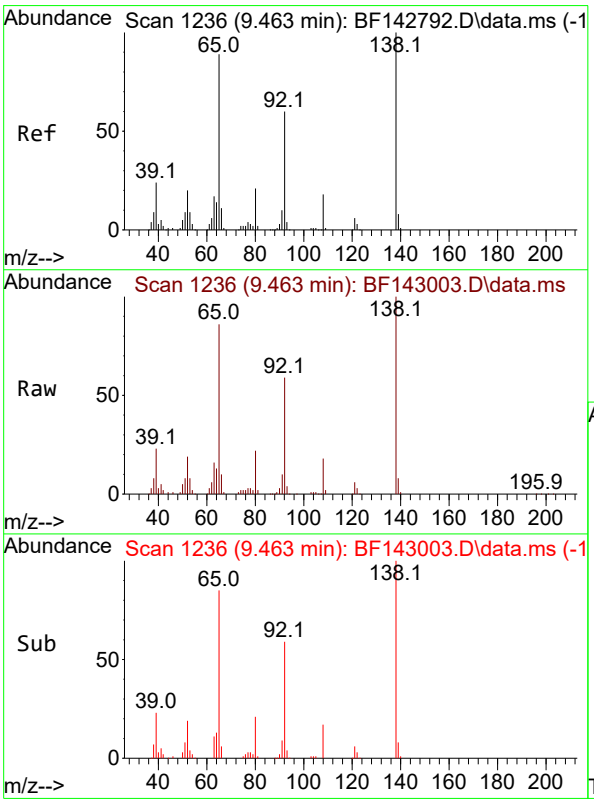

#47
2-Chloronaphthalene
Concen: 39.144 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 297910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 39.5 | 32.2 | 48.2 |
| 164 | 33.0 | 26.1 | 39.1 |

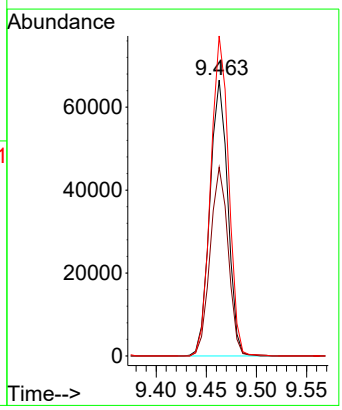


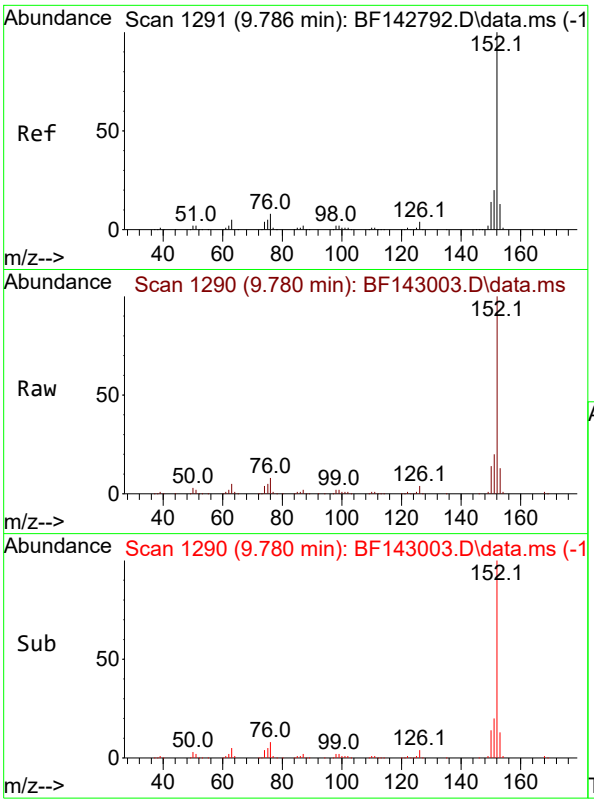




#48
2-Nitroaniline
Concen: 38.713 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion: 65 Resp: 82602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 68.4 | 53.8 | 80.6 |
| 138 | 116.0 | 89.6 | 134.4 |



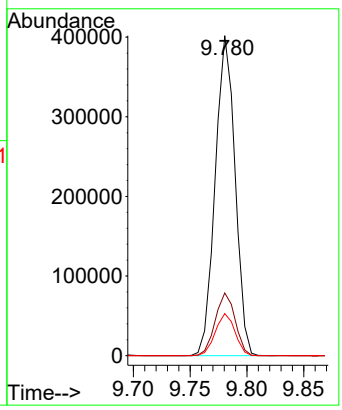


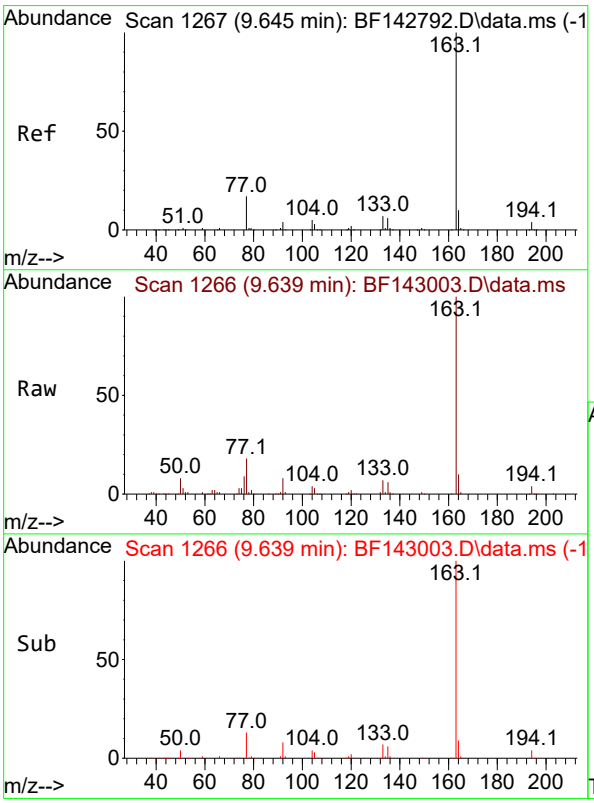

#49
Acenaphthylene
Concen: 39.035 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 489067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.6 | 16.1 | 24.1 |
| 153 | 13.1 | 10.4 | 15.6 |

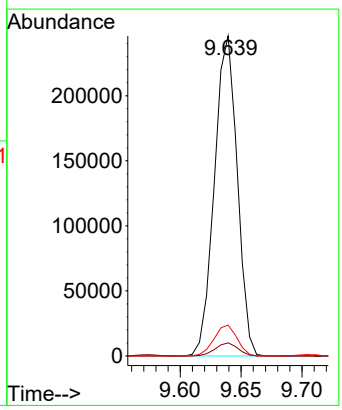


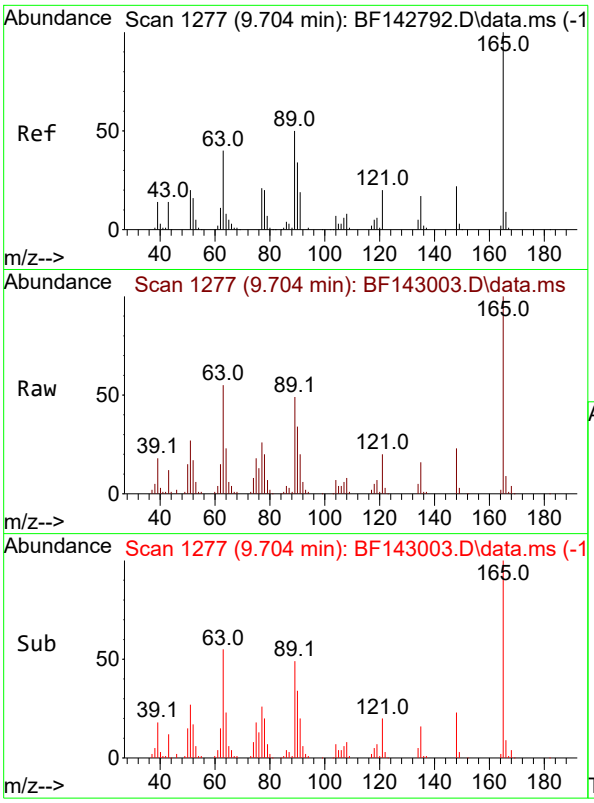




#50
Dimethylphthalate
Concen: 38.647 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:163 Resp: 321177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.3 | 4.9 |
| 164 | 9.6 | 8.0 | 12.0 |



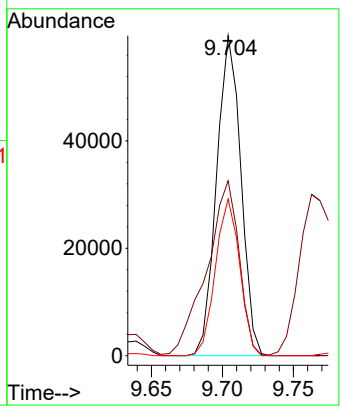


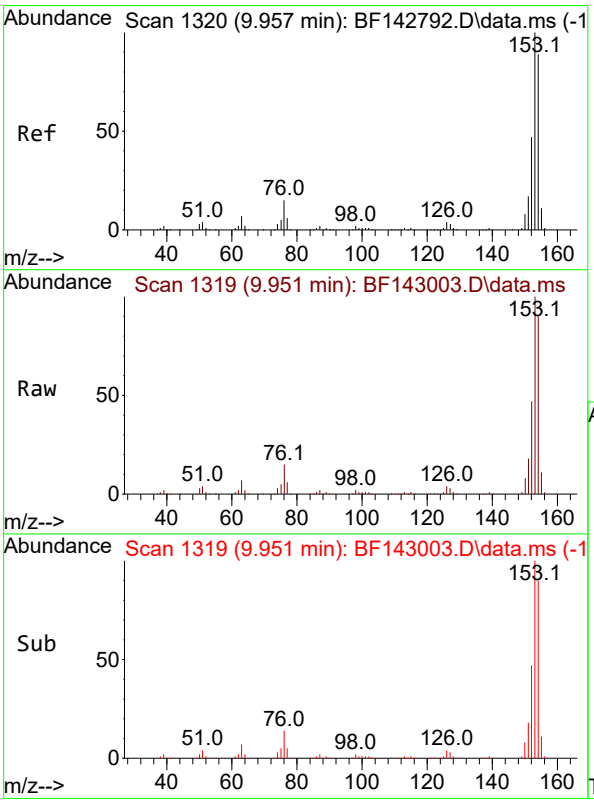

#51
2,6-Dinitrotoluene
Concen: 38.826 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 70859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 54.7 | 44.2 | 66.4 |
| 89 | 49.0 | 39.8 | 59.8 |

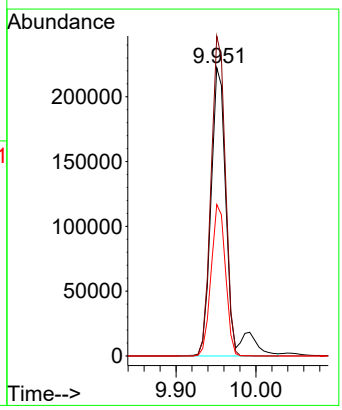


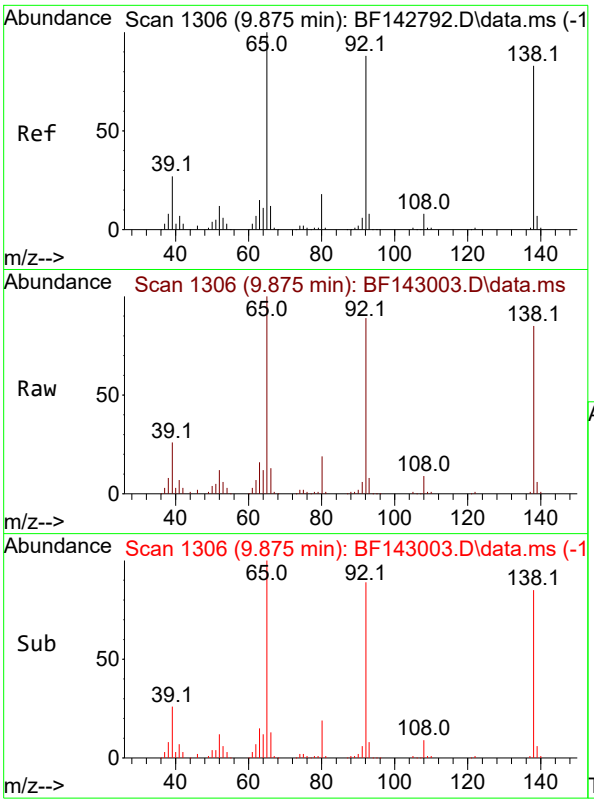




#52
Acenaphthene
Concen: 40.086 ng m
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:154 Resp: 306426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.0 | 90.0 | 135.0 |
| 152 | 52.5 | 41.9 | 62.9 |



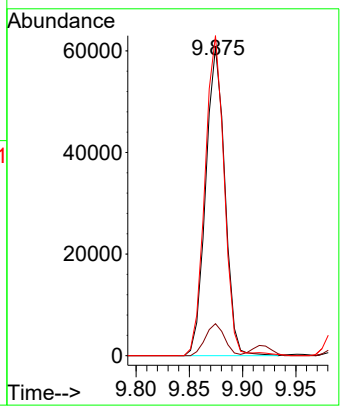


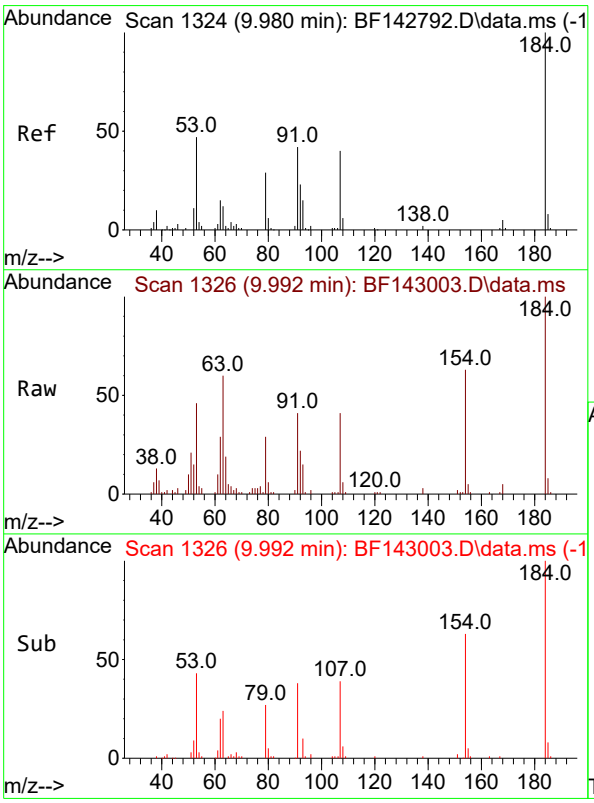

#53
3-Nitroaniline
Concen: 37.896 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:138 Resp: 76148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.4 | 8.1 | 12.1 |
| 92 | 103.7 | 85.1 | 127.7 |

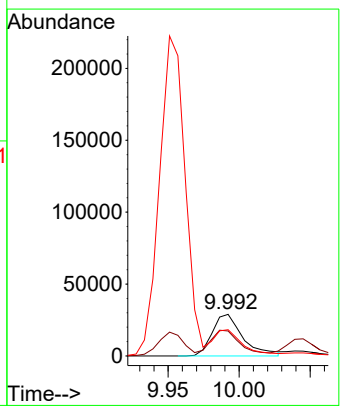


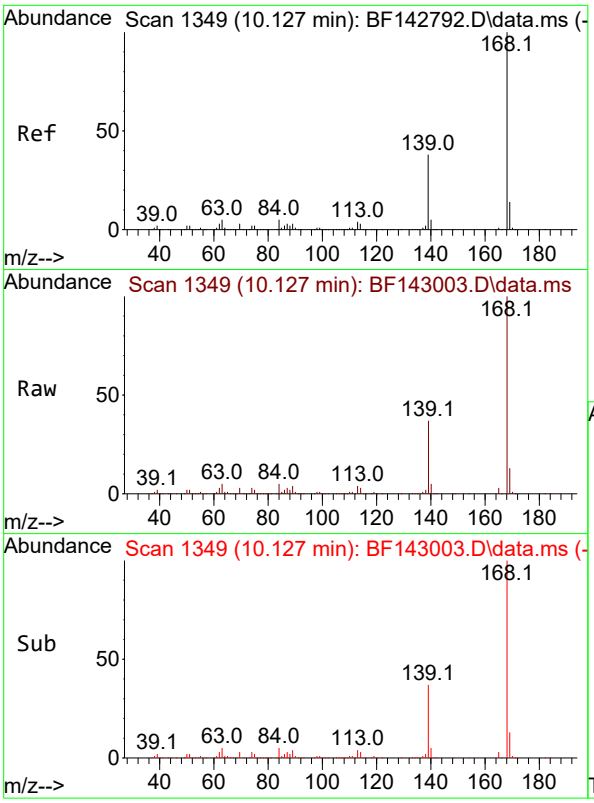




#54
2,4-Dinitrophenol
Concen: 47.528 ng
RT: 9.992 min Scan# 1326
Delta R.T. 0.012 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:184 Resp: 43433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 59.9 | 50.6 | 75.8 |
| 154 | 63.1 | 51.8 | 77.8 |



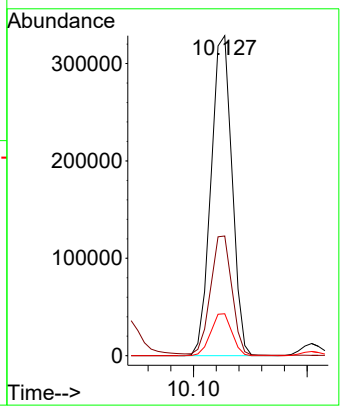


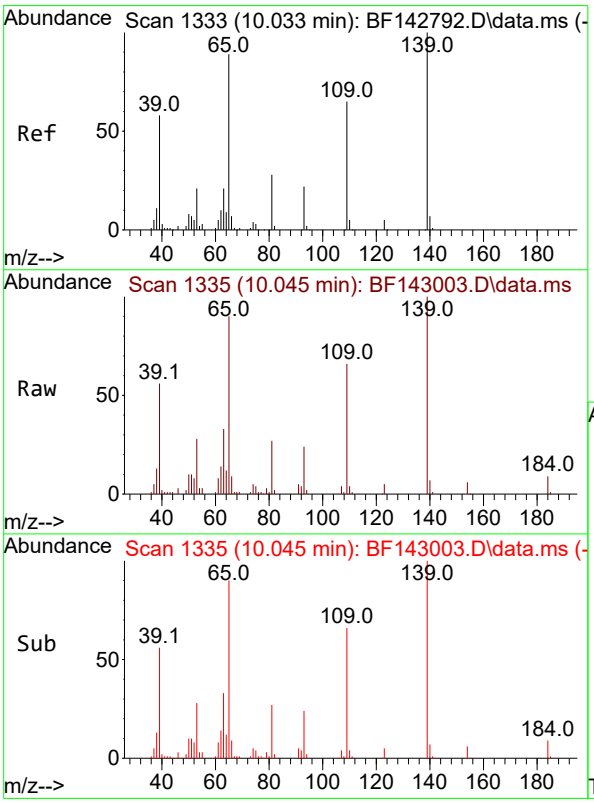

#55
Dibenzofuran
Concen: 38.541 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:168 Resp: 422464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.4 | 30.2 | 45.4 |
| 169 | 13.1 | 10.8 | 16.2 |

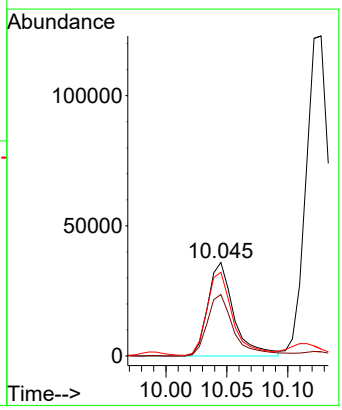


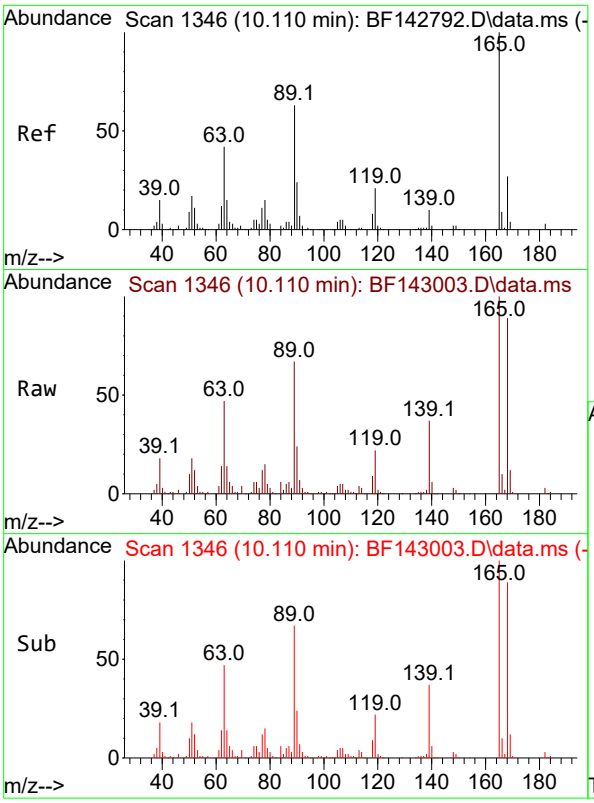




#56
4-Nitrophenol
Concen: 38.583 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.012 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:139 Resp: 53076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 65.8 | 44.7 | 84.7 |
| 65 | 89.5 | 69.8 | 109.8 |



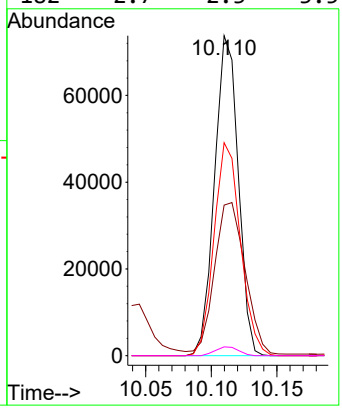


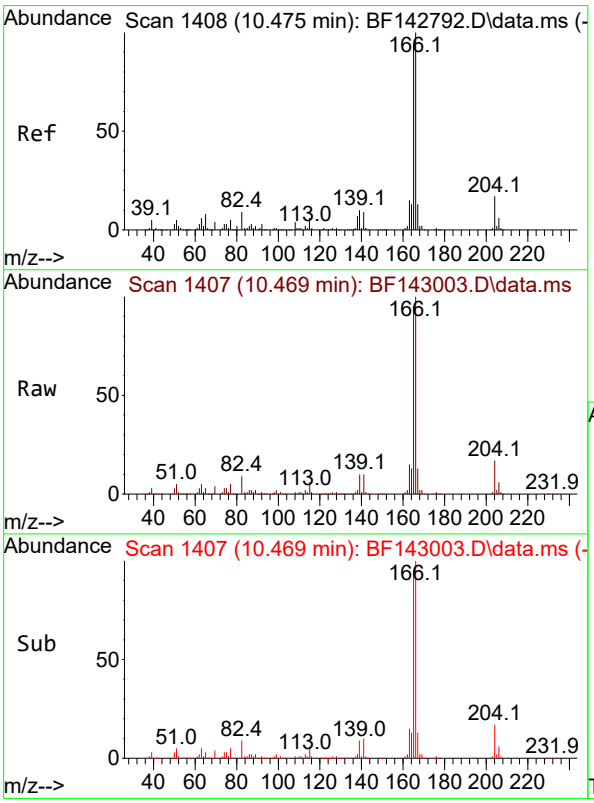

#57
2,4-Dinitrotoluene
Concen: 38.178 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 92551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.1 | 33.9 | 50.9 |
| 89 | 66.5 | 50.6 | 75.8 |
| 182 | 2.7 | 2.3 | 3.5 |

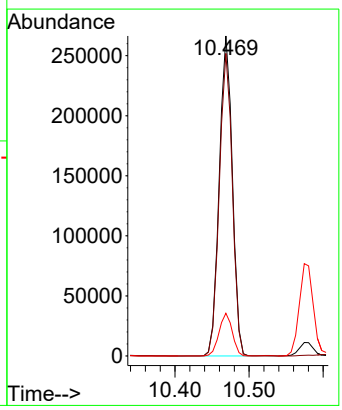


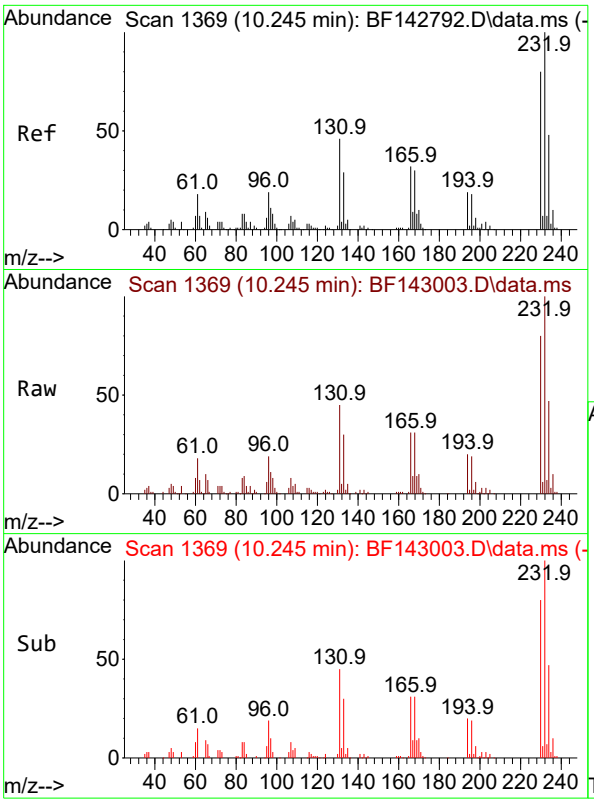




#58
Fluorene
Concen: 38.205 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:166 Resp: 327065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 94.6 | 75.2 | 112.8 |
| 167 | 13.4 | 10.6 | 15.8 |



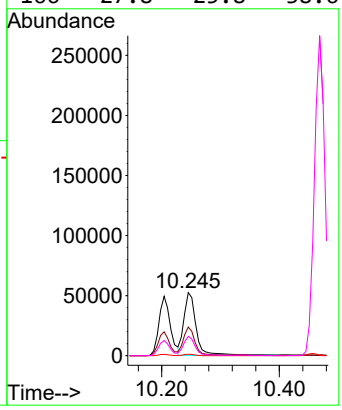


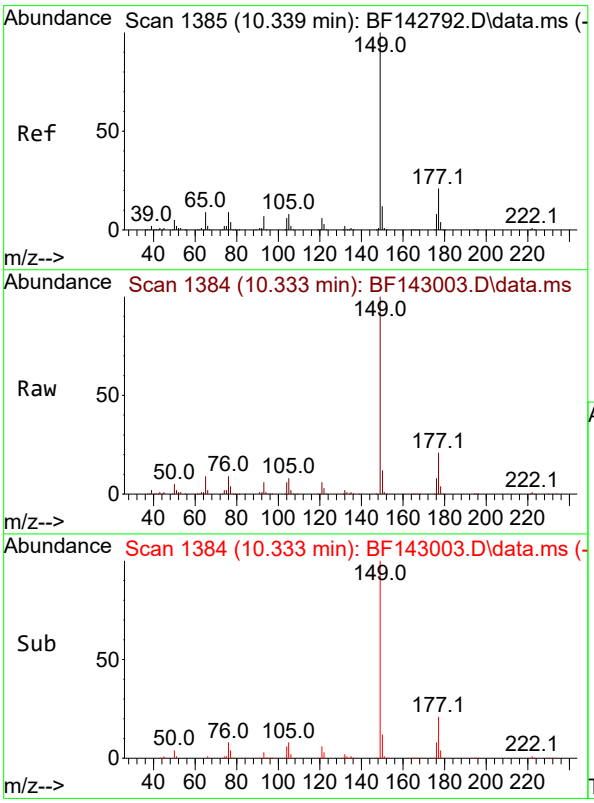

#59
2,3,4,6-Tetrachlorophenol
Concen: 35.944 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:232 Resp: 75288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 43.2 | 37.6 | 56.4 |
| 130 | 2.2 | 1.7 | 2.5 |
| 166 | 27.8 | 25.8 | 38.6 |

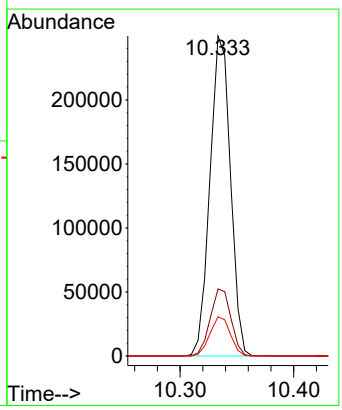


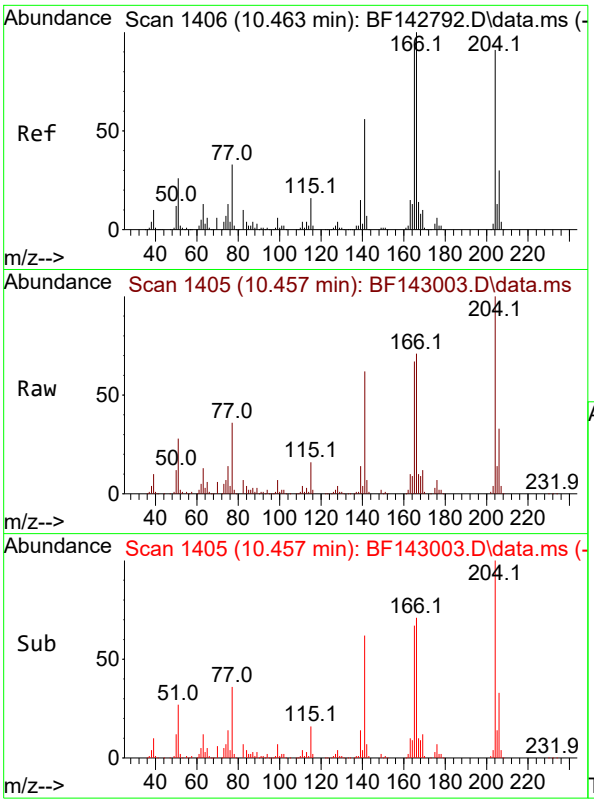




#60
Diethylphthalate
Concen: 38.440 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:149 Resp: 313222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 20.9 | 17.0 | 25.6 |
| 150 | 12.2 | 9.8 | 14.6 |



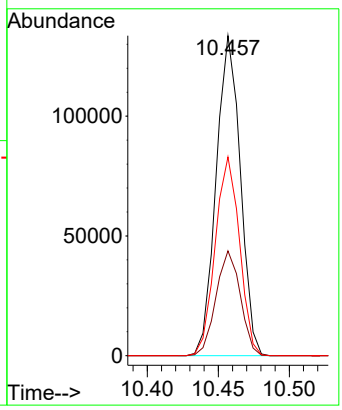


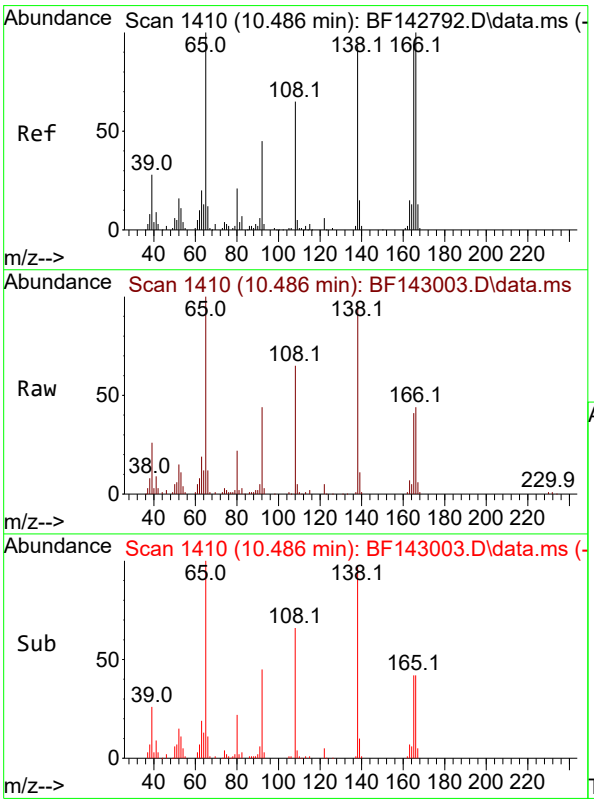

#61
4-Chlorophenyl-phenylether
Concen: 38.716 ng
RT: 10.457 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:204 Resp: 158156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.8 | 26.3 | 39.5 |
| 141 | 62.1 | 49.1 | 73.7 |

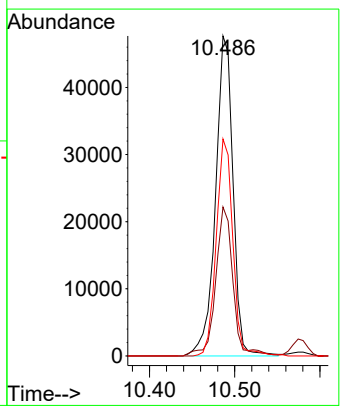


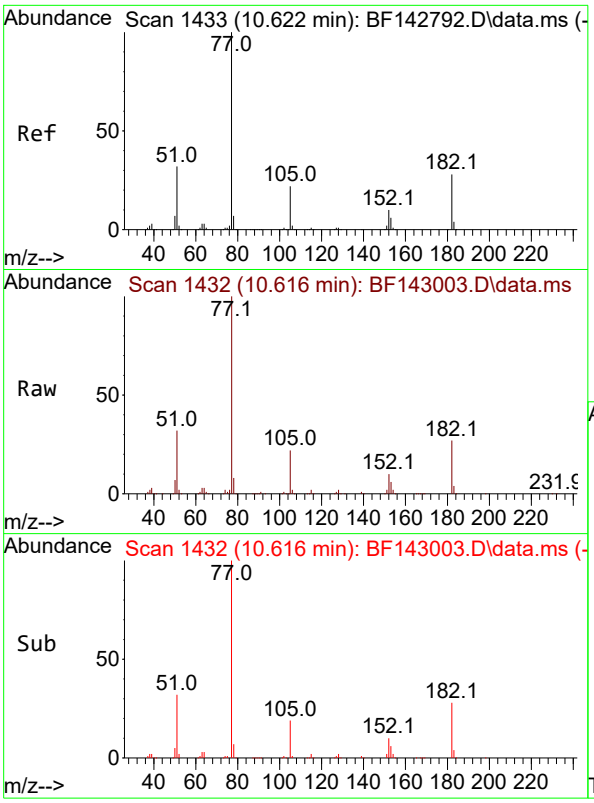




#62
4-Nitroaniline
Concen: 37.032 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:138 Resp: 68055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 46.6 | 28.4 | 68.4 |
| 108 | 67.8 | 50.2 | 90.2 |



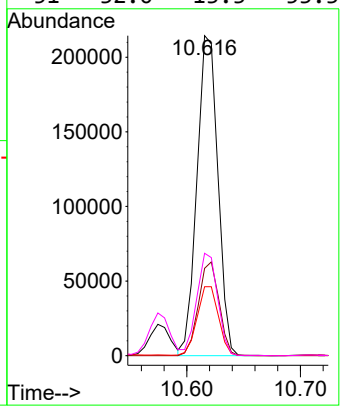


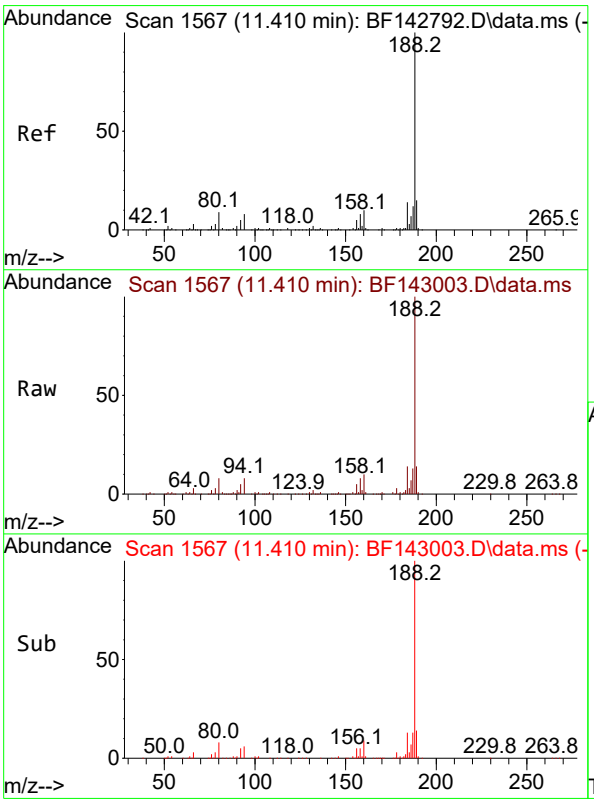

#63
Azobenzene
Concen: 37.788 ng
RT: 10.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 275193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.3 | 7.7 | 47.7 |
| 105 | 21.6 | 1.9 | 41.9 |
| 51 | 32.0 | 13.3 | 53.3 |

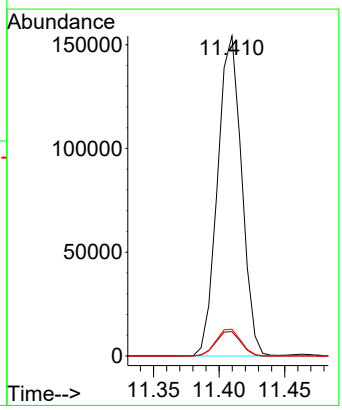


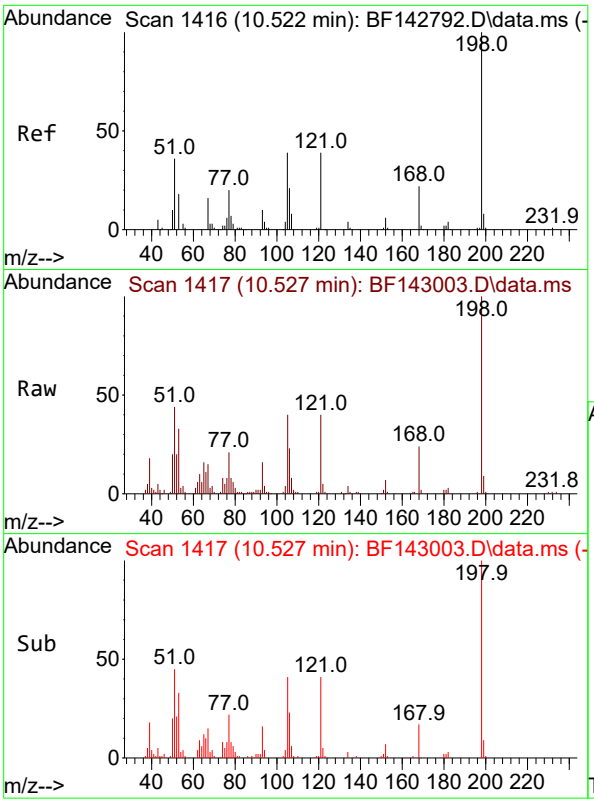




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:188 Resp: 196682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.6 | 6.7 | 10.1 |
| 80 | 8.4 | 6.9 | 10.3 |



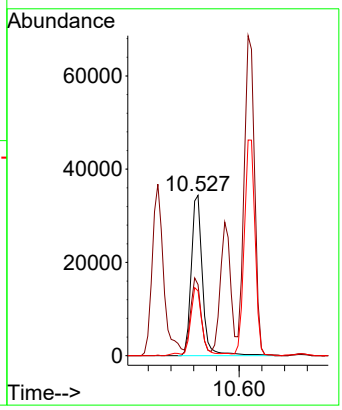


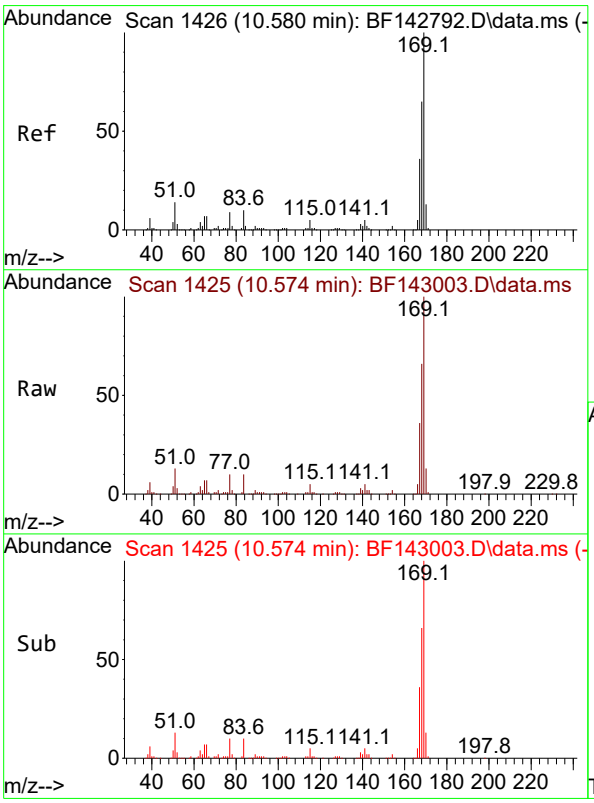

#65
4,6-Dinitro-2-methylphenol
Concen: 39.944 ng
RT: 10.527 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:198 Resp: 47520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 44.4 | 25.4 | 65.4 |
| 105 | 40.4 | 20.4 | 60.4 |

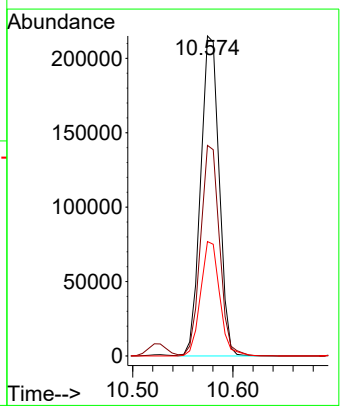


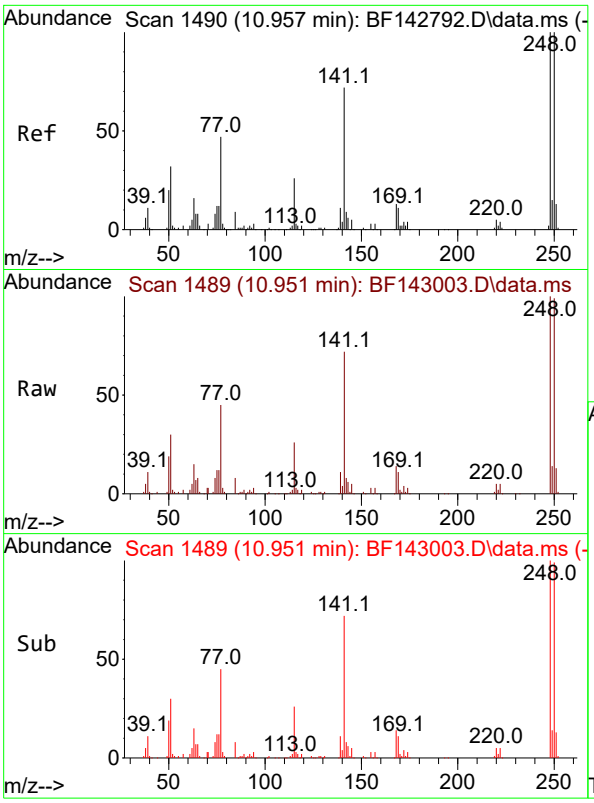




#66
n-Nitrosodiphenylamine
Concen: 40.625 ng
RT: 10.574 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:169 Resp: 276920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.8 | 51.9 | 77.9 |
| 167 | 35.7 | 28.5 | 42.7 |



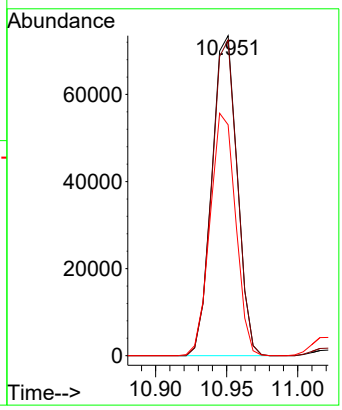


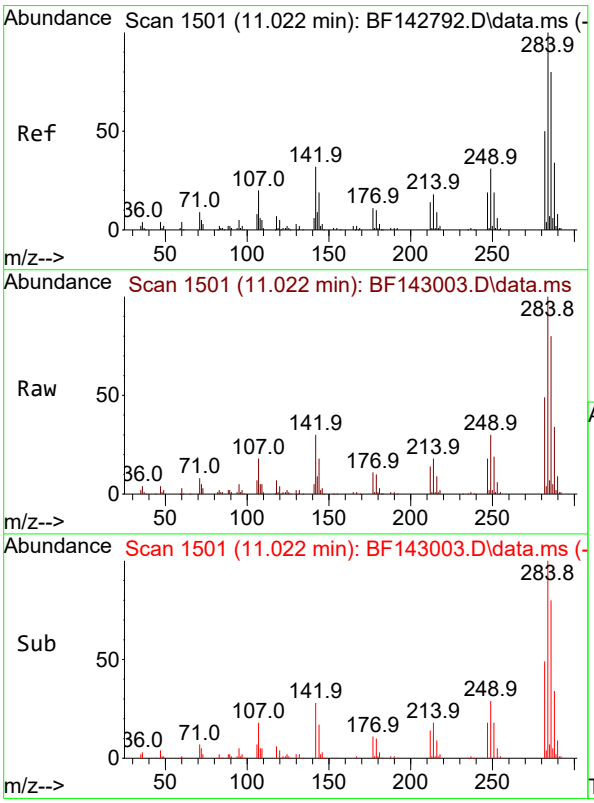

#67
4-Bromophenyl-phenylether
Concen: 40.831 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:248 Resp: 91397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.7 | 79.8 | 119.8 |
| 141 | 72.2 | 57.8 | 86.6 |

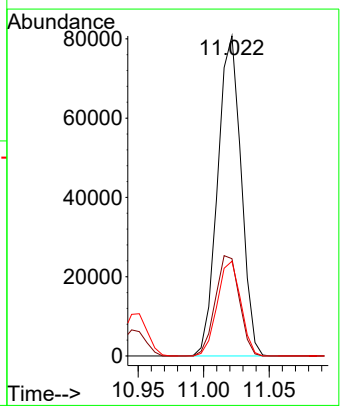


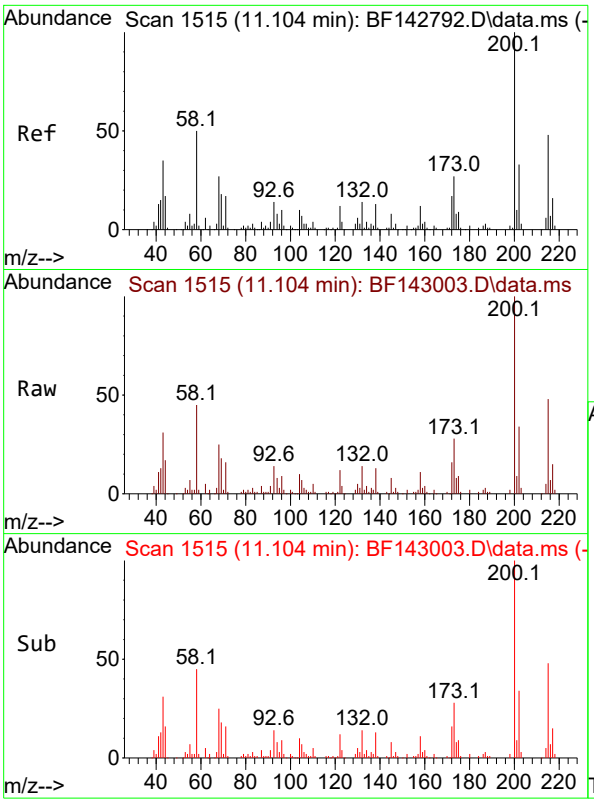




#68
Hexachlorobenzene
Concen: 40.328 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:284 Resp: 100307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 30.4 | 25.5 | 38.3 |
| 249 | 29.6 | 24.9 | 37.3 |



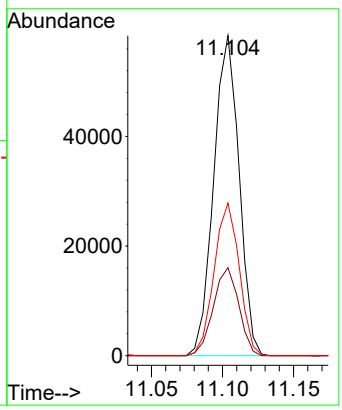


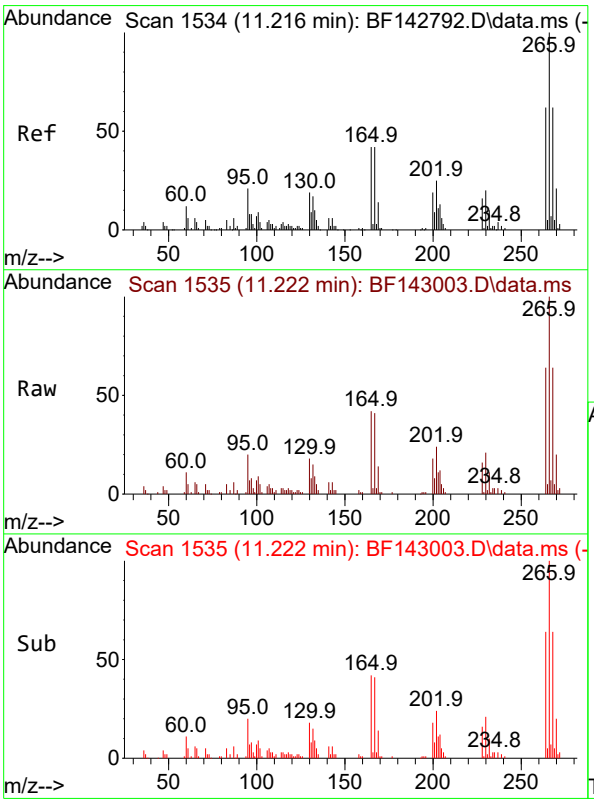

#69
Atrazine
Concen: 41.168 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:200 Resp: 72466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.5 | 7.4 | 47.4 |
| 215 | 47.7 | 28.4 | 68.4 |

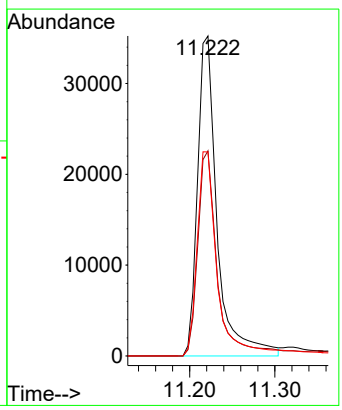


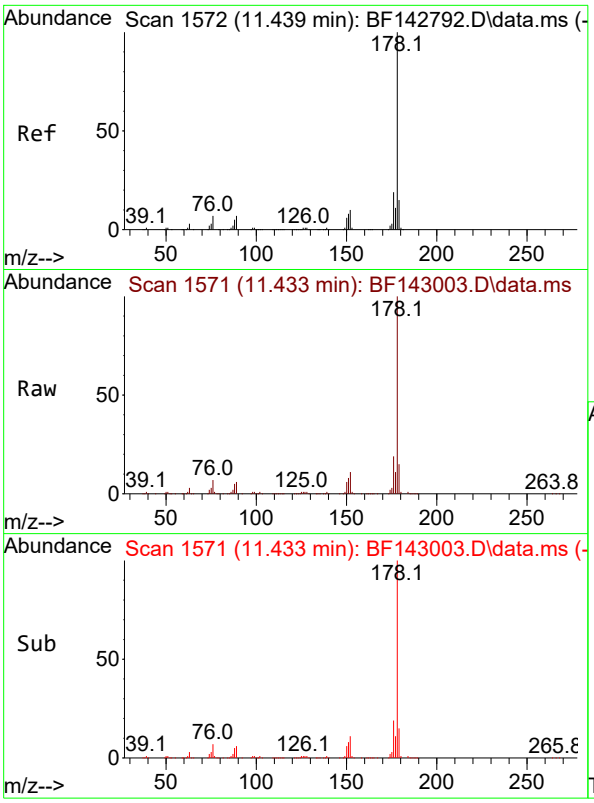




#70
Pentachlorophenol
Concen: 45.495 ng
RT: 11.222 min Scan# 1535
Delta R.T. 0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:266 Resp: 56387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.1 | 49.8 | 74.8 |
| 264 | 63.8 | 49.9 | 74.9 |



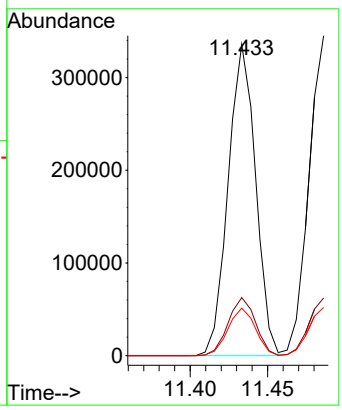


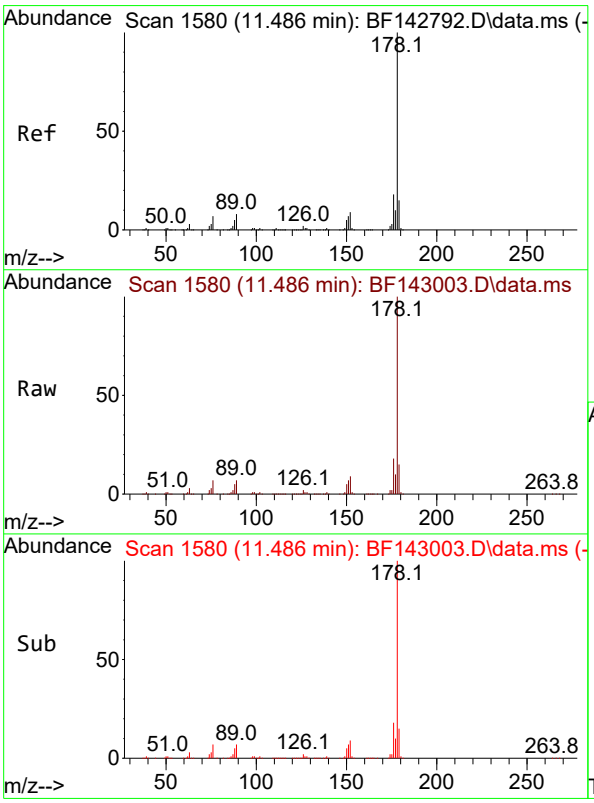

#71
Phenanthrene
Concen: 38.776 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:178 Resp: 413131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.1 | 22.7 |
| 179 | 15.3 | 12.0 | 18.0 |

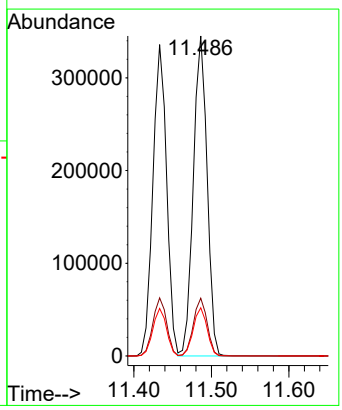


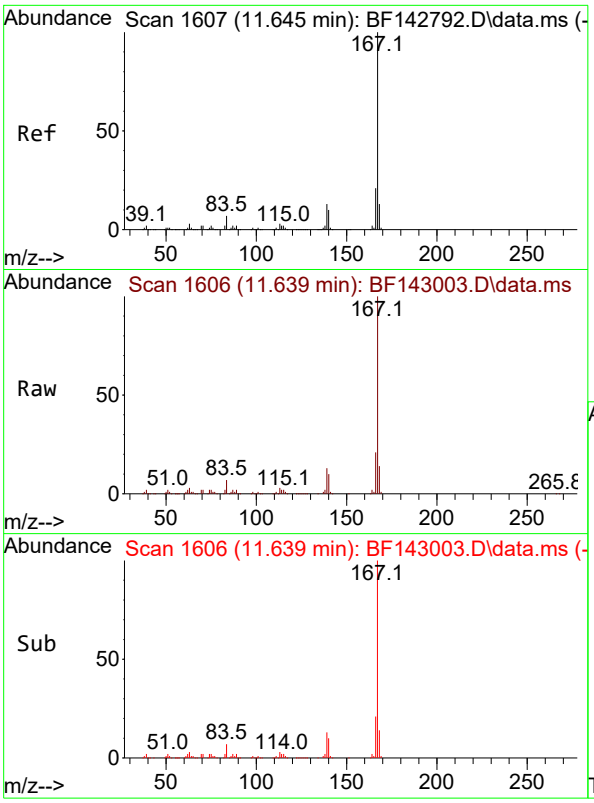




#72
Anthracene
Concen: 38.930 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:178 Resp: 425385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.1 | 14.6 | 21.8 |
| 179 | 15.1 | 12.4 | 18.6 |



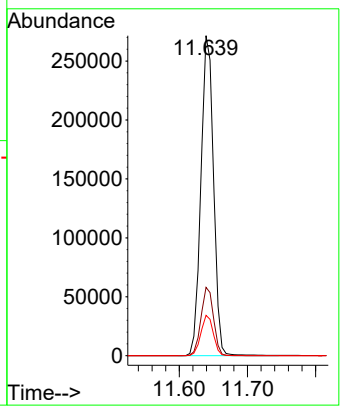


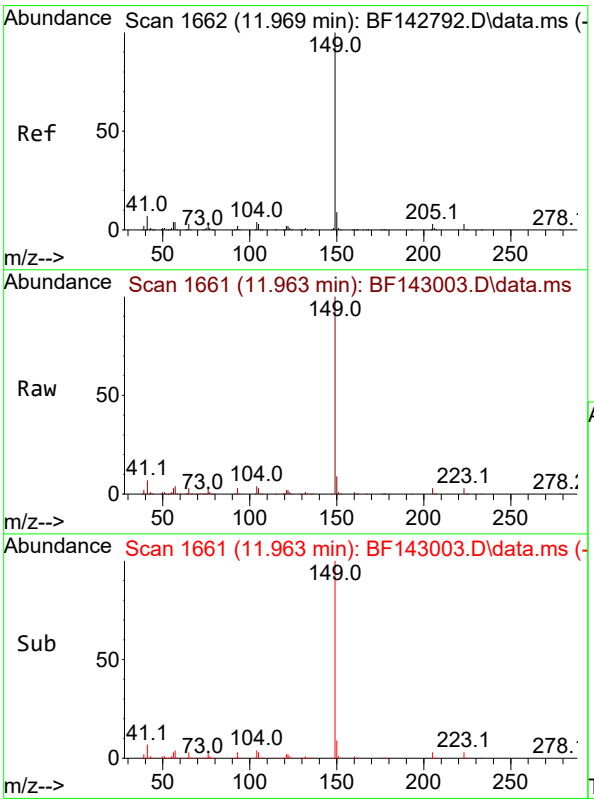

#73
Carbazole
Concen: 37.050 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:167 Resp: 349364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.0 | 25.4 |
| 139 | 12.6 | 10.2 | 15.2 |

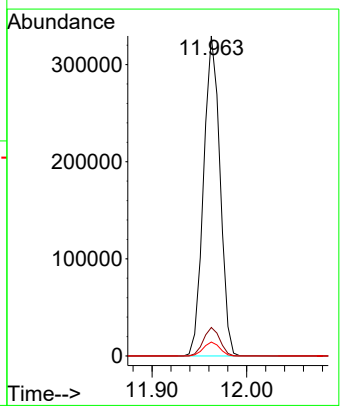


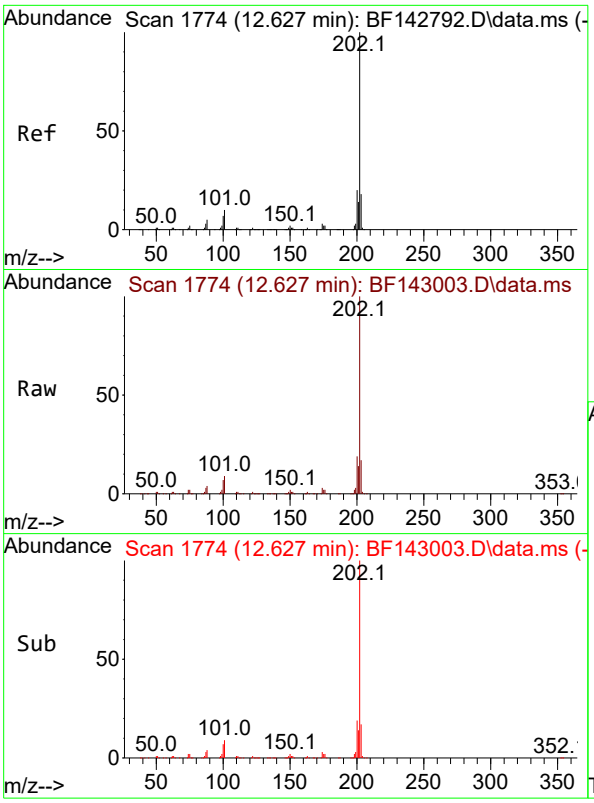




#74
Di-n-butylphthalate
Concen: 40.464 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:149 Resp: 397485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 8.9 | 7.4 | 11.0 |
| 104 | 4.4 | 3.5 | 5.3 |



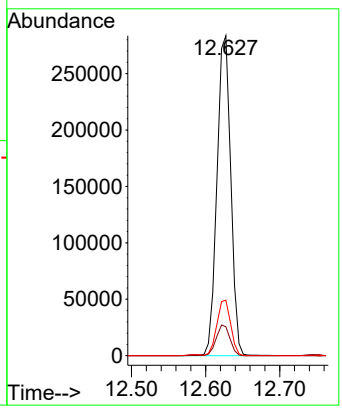


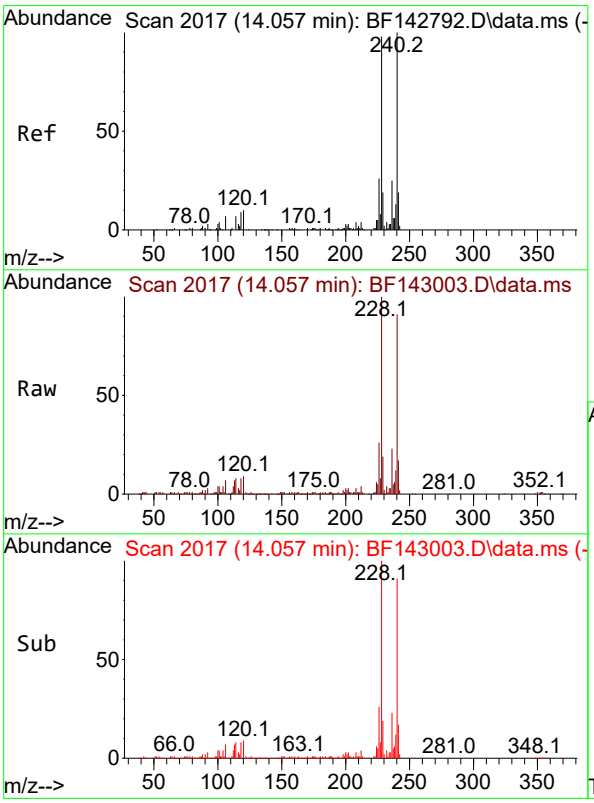

#75
Fluoranthene
Concen: 36.315 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:202 Resp: 367194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.1 | 0.0 | 29.7 |
| 203 | 17.4 | 0.0 | 37.5 |

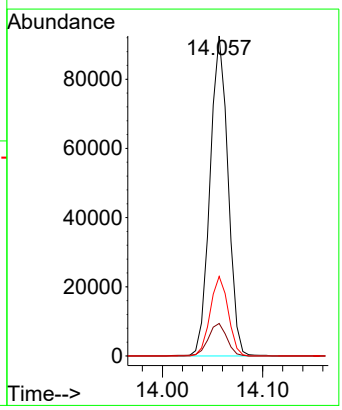


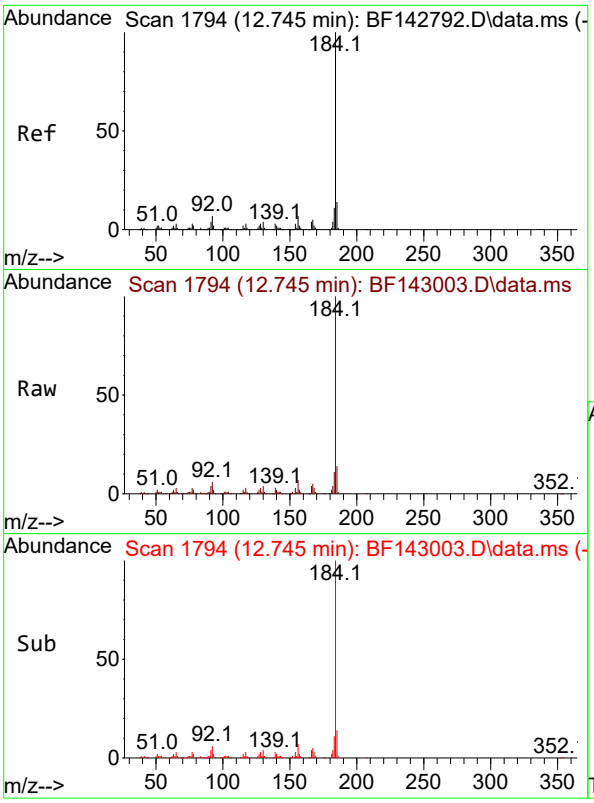




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:240 Resp: 115356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.2 | 8.2 | 12.2 |
| 236 | 24.8 | 19.8 | 29.8 |



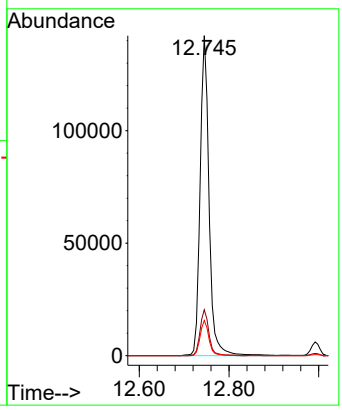


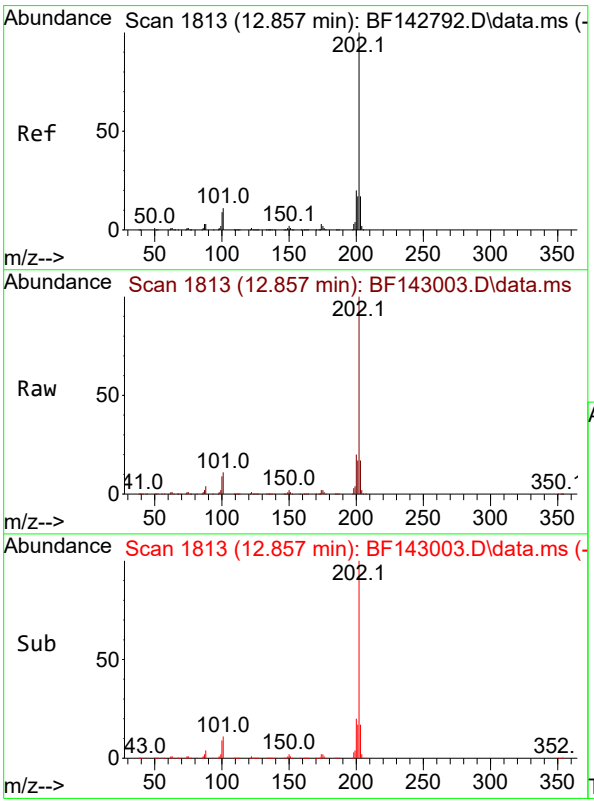

#77
Benzidine
Concen: 45.269 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:184 Resp: 196199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.4 | 11.5 | 17.3 |
| 183 | 11.0 | 9.0 | 13.4 |

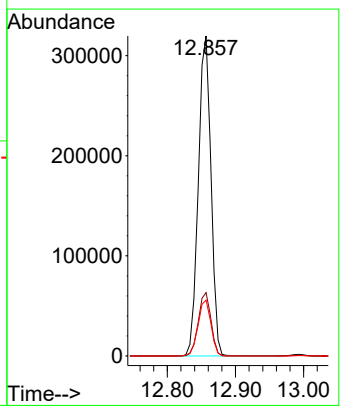


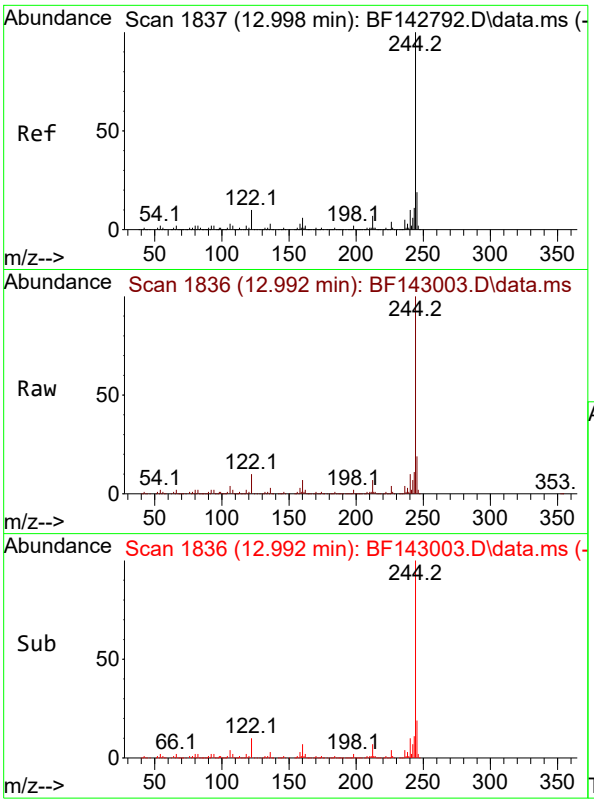




#78
Pyrene
Concen: 38.016 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:202 Resp: 411055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.8 | 15.7 | 23.5 |
| 203 | 17.5 | 13.8 | 20.6 |



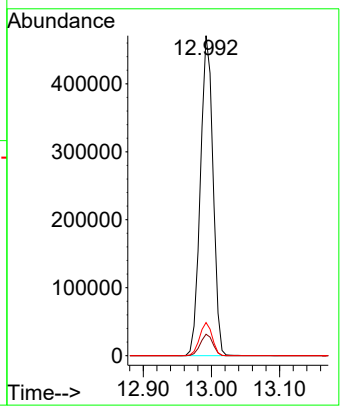


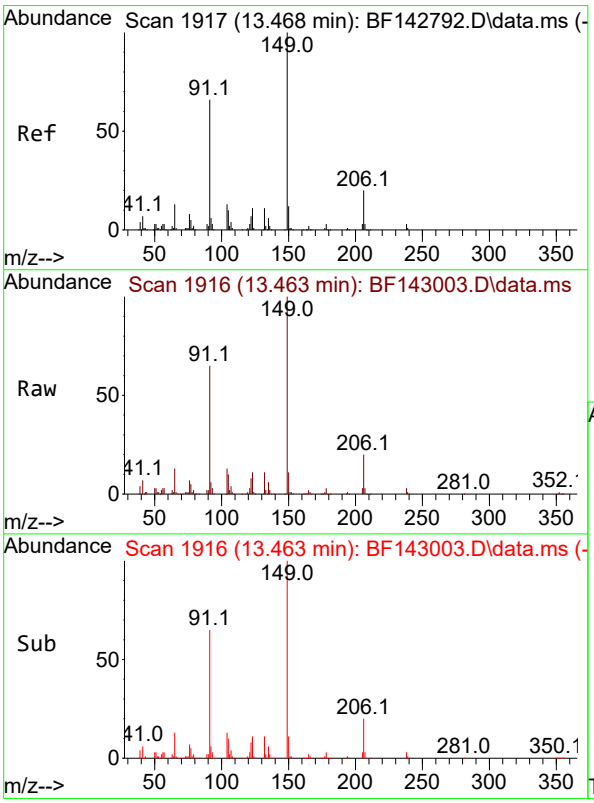

#79
Terphenyl-d14
Concen: 72.831 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:244 Resp: 608057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.4 | 8.0 |
| 122 | 10.4 | 8.2 | 12.2 |

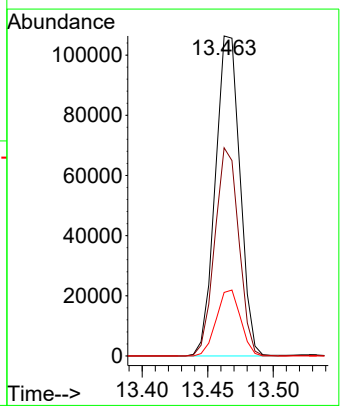


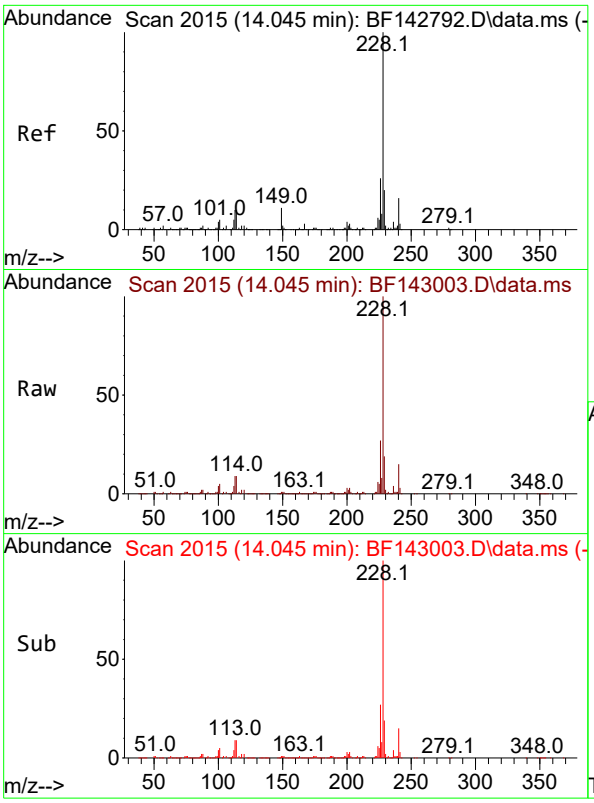




#80
Butylbenzylphthalate
Concen: 44.276 ng
RT: 13.463 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:149 Resp: 138872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 65.0 | 52.9 | 79.3 |
| 206 | 19.9 | 16.3 | 24.5 |



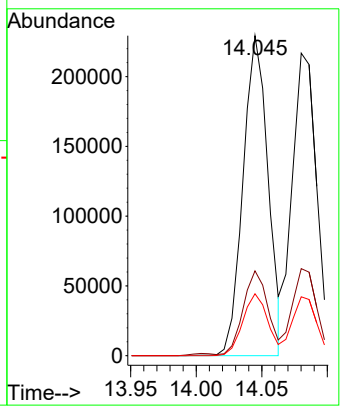


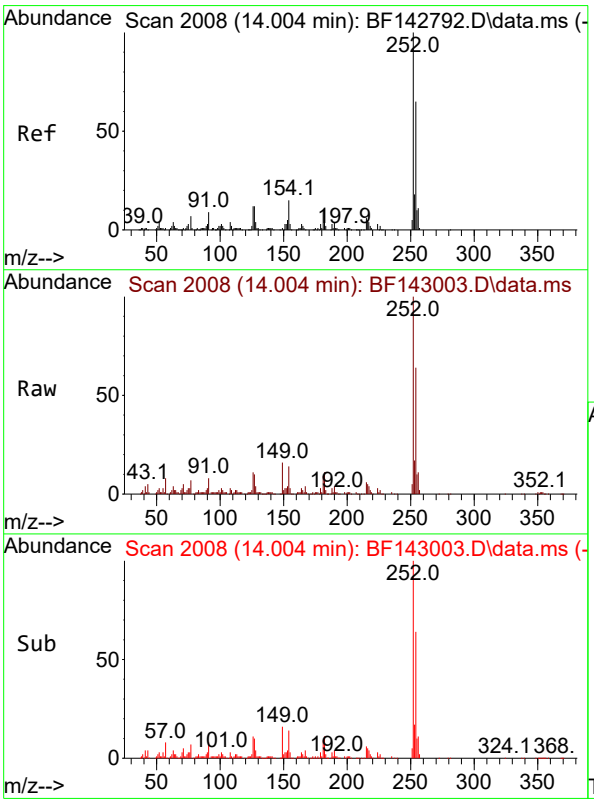

#81
Benzo(a)anthracene
Concen: 39.108 ng
RT: 14.045 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 304337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.5 | 21.2 | 31.8 |
| 229 | 19.4 | 15.6 | 23.4 |

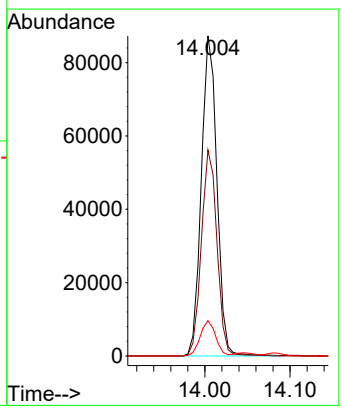


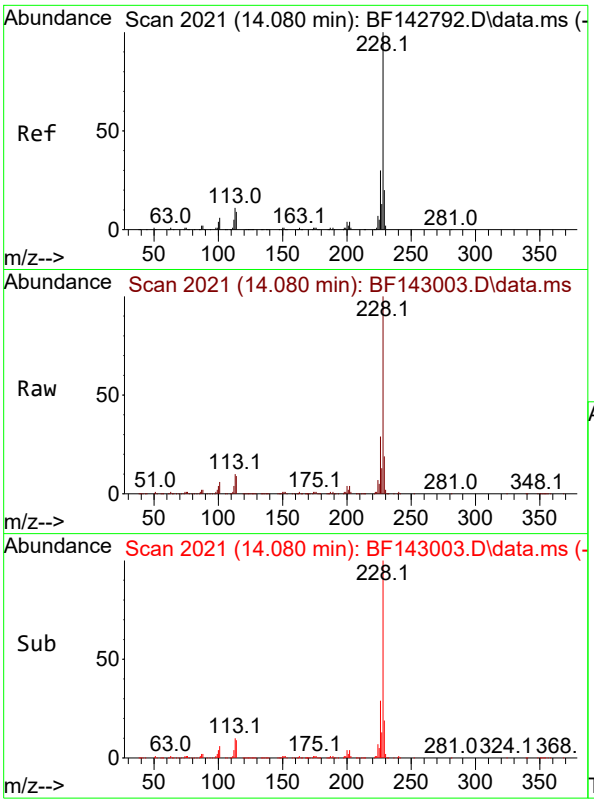




#82
3,3'-Dichlorobenzidine
Concen: 43.913 ng
RT: 14.004 min Scan# 2008
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:252 Resp: 110843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.3 | 51.7 | 77.5 |
| 126 | 11.1 | 9.4 | 14.2 |



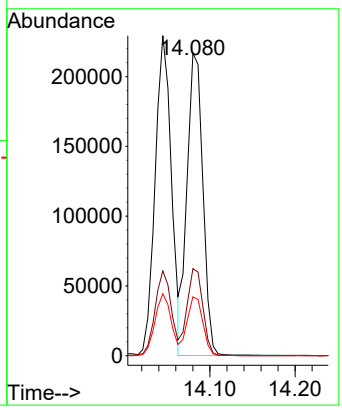


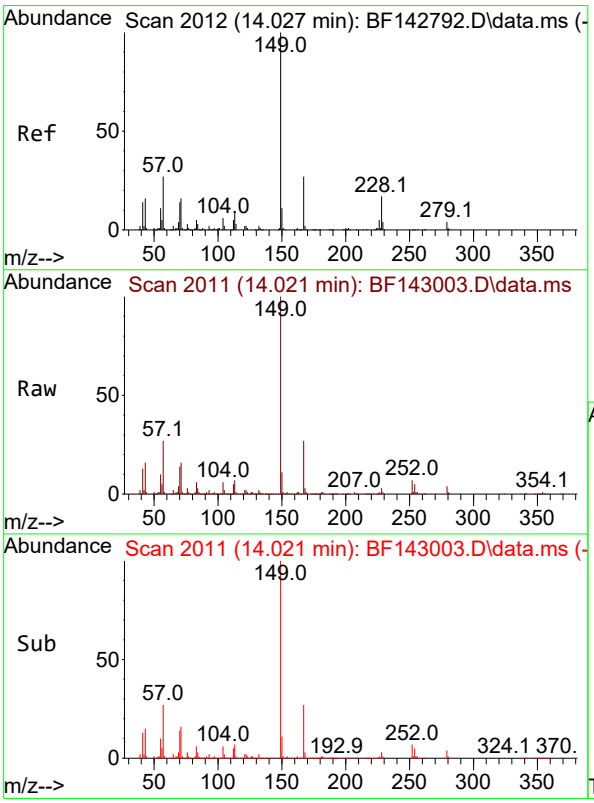

#83
Chrysene
Concen: 40.410 ng
RT: 14.080 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 280610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.8 | 23.7 | 35.5 |
| 229 | 19.5 | 15.7 | 23.5 |

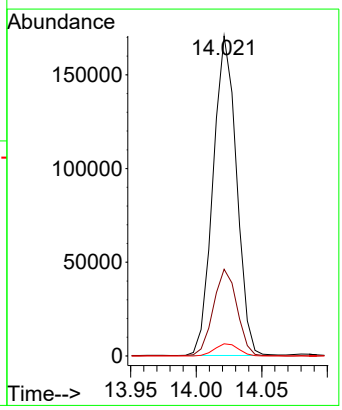


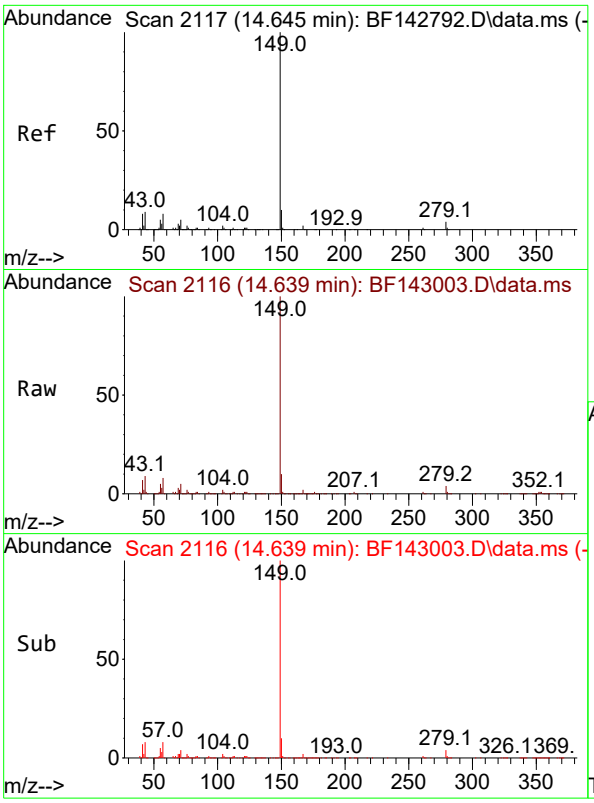




#84
Bis(2-ethylhexyl)phthalate
Concen: 46.985 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:149 Resp: 212032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.1 | 21.4 | 32.0 |
| 279 | 3.8 | 3.0 | 4.6 |



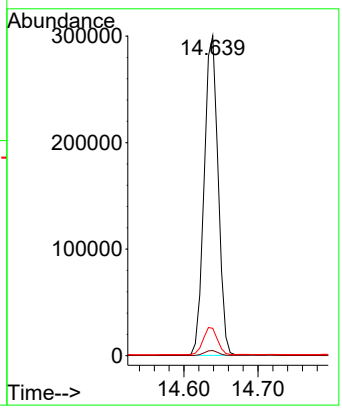


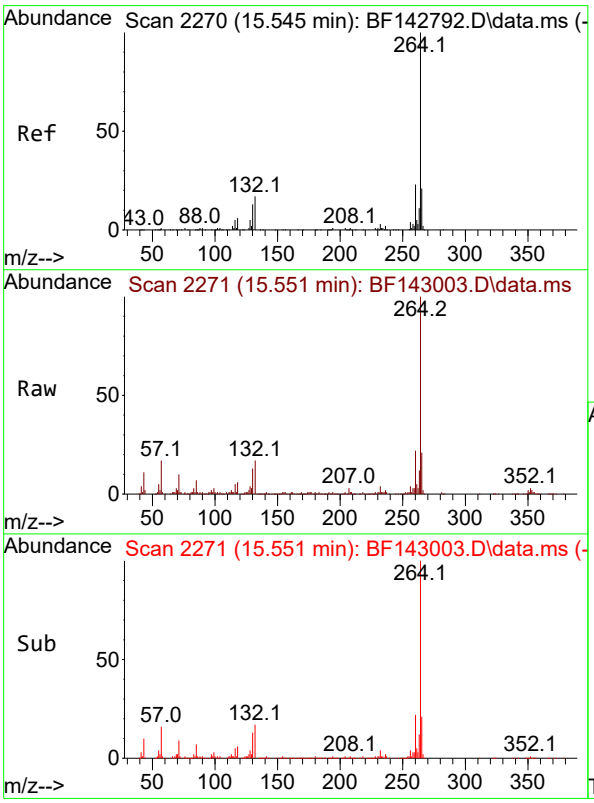

#85
Di-n-octyl phthalate
Concen: 46.235 ng
RT: 14.639 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:149 Resp: 393425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 8.5 | 7.6 | 11.4 |

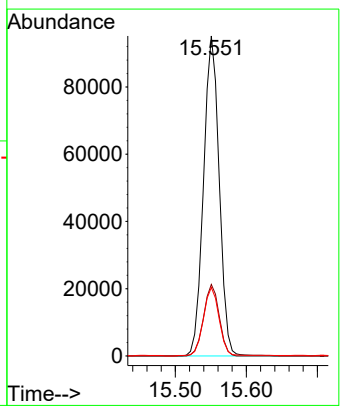


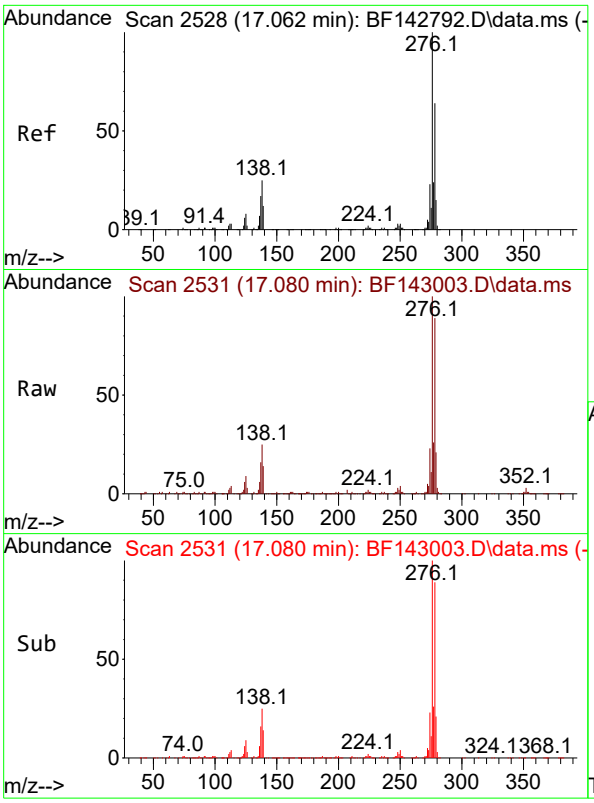




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:264 Resp: 146144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.4 | 18.1 | 27.1 |
| 265 | 21.4 | 16.6 | 25.0 |



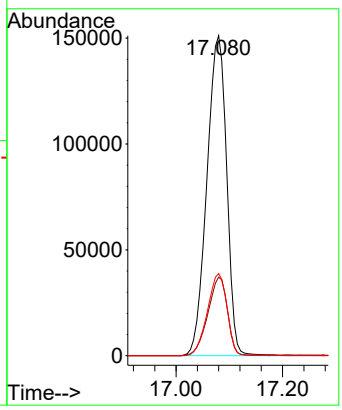


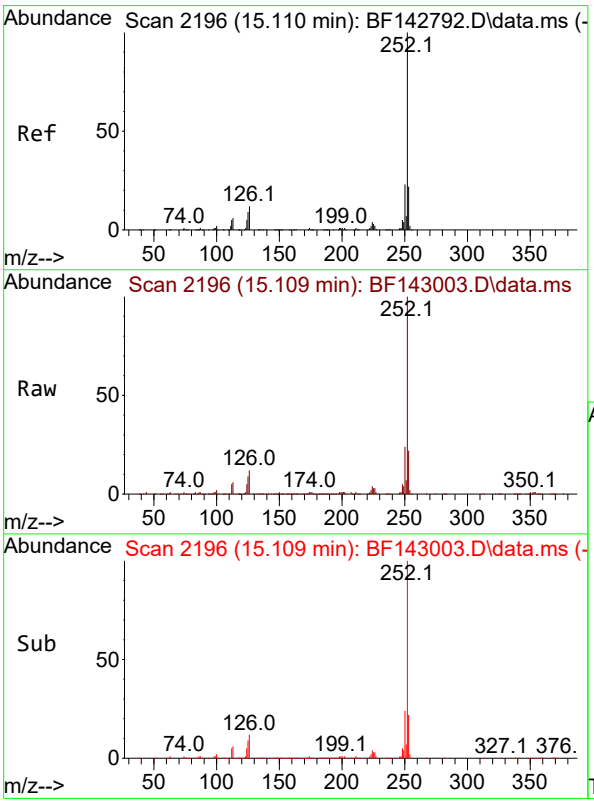

#87
Indeno(1,2,3-cd)pyrene
Concen: 35.035 ng
RT: 17.080 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:276 Resp: 390002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.2 | 20.2 | 30.4 |
| 277 | 25.4 | 19.8 | 29.6 |

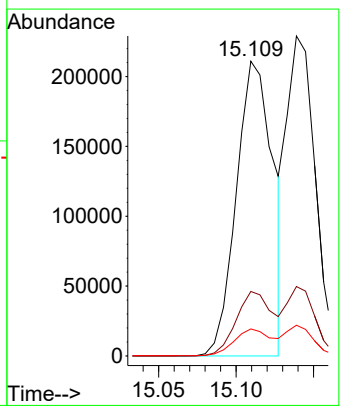


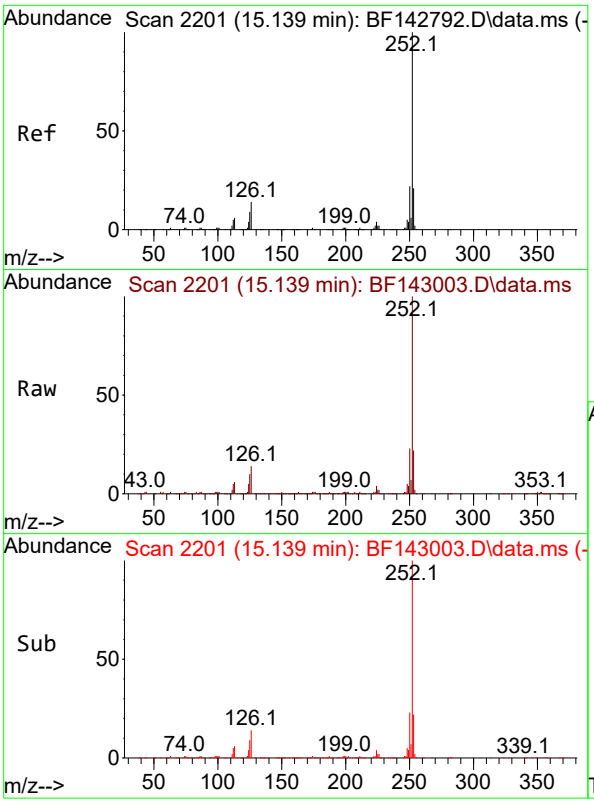




#88
Benzo(b)fluoranthene
Concen: 41.097 ng
RT: 15.109 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:252 Resp: 347540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 9.2 | 7.4 | 11.0 |



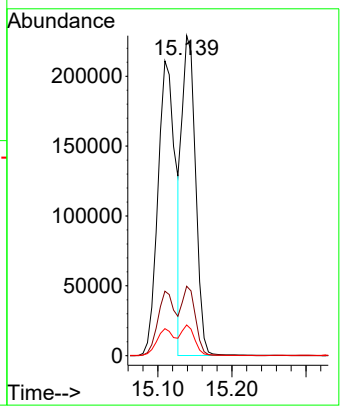


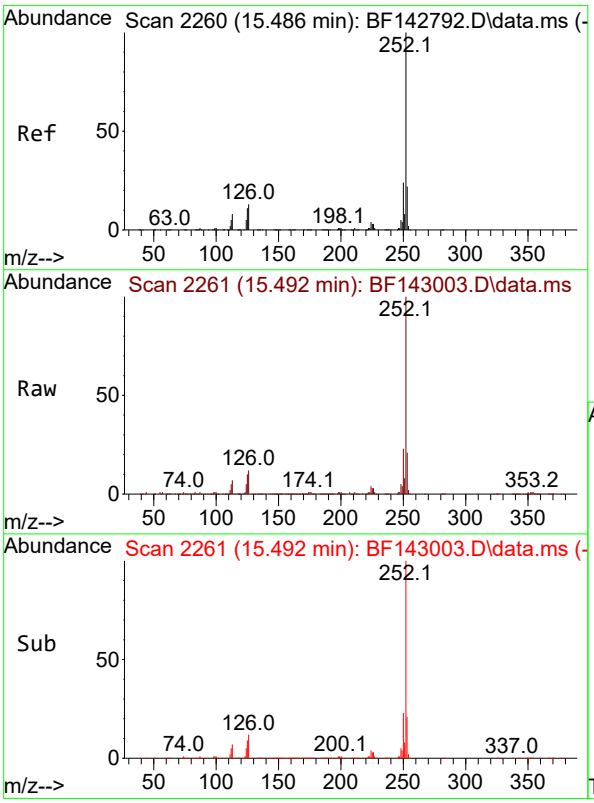

#89
Benzo(k)fluoranthene
Concen: 36.941 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:252 Resp: 292264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.2 | 25.8 |
| 125 | 9.6 | 7.4 | 11.2 |

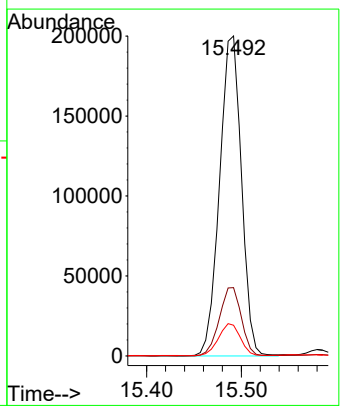


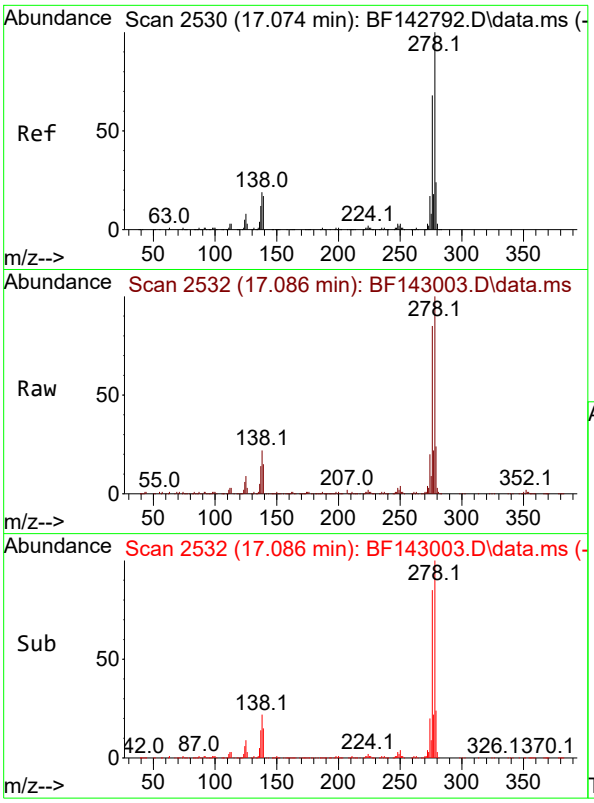




#90
Benzo(a)pyrene
Concen: 39.319 ng
RT: 15.492 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:252 Resp: 321220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.5 | 26.3 |
| 125 | 9.6 | 8.6 | 12.8 |



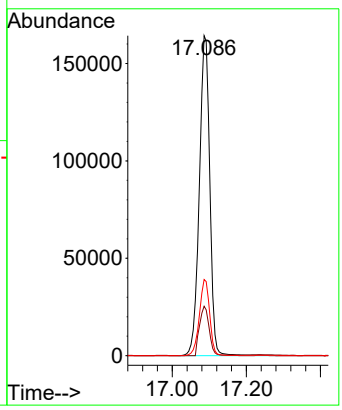


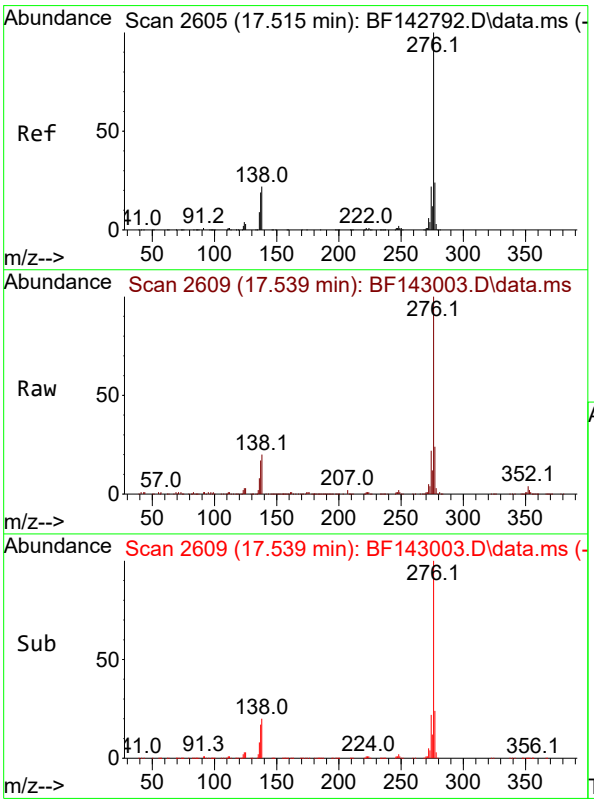

#91
Dibenzo(a,h)anthracene
Concen: 35.535 ng
RT: 17.086 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:278 Resp: 321404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.5 | 13.5 | 20.3 |
| 279 | 23.8 | 18.8 | 28.2 |

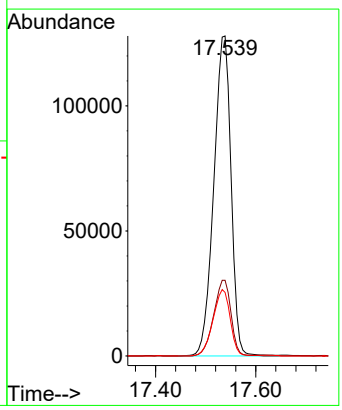



#92
Benzo(g,h,i)perylene
Concen: 33.820 ng
RT: 17.539 min Scan# 2609
Delta R.T. 0.024 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:276 Resp: 305022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 18.8 | 28.2 |
| 138 | 19.9 | 17.6 | 26.4 |



Sample Results: **BF143003.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143003.D
Acq On : 07 Jul 2025 12:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 07 13:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 2 | | 1,4-Dioxane | 0.480 | 0.430 | 10.4 | 74 | -0.02 |
| 3 | | Pyridine | 1.205 | 1.105 | 8.3 | 75 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.623 | 0.563 | 9.6 | 75 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.201 | 1.159 | 3.5 | 80 | 0.00 |
| 6 | | Aniline | 1.886 | 1.795 | 4.8 | 78 | 0.00 |
| 7 | S | Phenol-d6 | 1.417 | 1.363 | 3.8 | 81 | 0.00 |
| 8 | | 2-Chlorophenol | 1.296 | 1.244 | 4.0 | 79 | 0.00 |
| 9 | | Benzaldehyde | 0.841 | 0.897 | -6.7 | 94 | 0.00 |
| 10 | C | Phenol | 1.575 | 1.512 | 4.0 | 79 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.126 | 1.086 | 3.6 | 80 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.449 | 1.405 | 3.0 | 81 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.462 | 1.433 | 2.0 | 81 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.387 | 1.346 | 3.0 | 80 | 0.00 |
| 15 | | Benzyl Alcohol | 1.025 | 1.008 | 1.7 | 82 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.809 | 1.645 | 9.1 | 76 | 0.00 |
| 17 | | 2-Methylphenol | 0.982 | 0.979 | 0.3 | 83 | 0.00 |
| 18 | | Hexachloroethane | 0.511 | 0.506 | 1.0 | 80 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.824 | 0.811 | 1.6 | 82 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.224 | 1.224 | 0.0 | 82 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 22 | | Acetophenone | 0.441 | 0.434 | 1.6 | 83 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.365 | 0.385 | -5.5 | 87 | 0.00 |
| 24 | | Nitrobenzene | 0.330 | 0.319 | 3.3 | 80 | 0.00 |
| 25 | | Isophorone | 0.585 | 0.566 | 3.2 | 81 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.180 | 0.184 | -2.2 | 83 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.311 | 0.300 | 3.5 | 80 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.372 | 0.368 | 1.1 | 83 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.282 | 0.278 | 1.4 | 81 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.310 | 0.307 | 1.0 | 82 | 0.00 |
| 31 | | Naphthalene | 0.979 | 0.963 | 1.6 | 82 | 0.00 |
| 32 | | Benzoic acid | 0.159 | 0.137 | 13.8 | 70 | 0.01 |
| 33 | | 4-Chloroaniline | 0.398 | 0.370 | 7.0 | 78 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.190 | 0.191 | -0.5 | 83 | 0.00 |
| 35 | | Caprolactam | 0.075 | 0.072 | 4.0 | 80 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.281 | 0.276 | 1.8 | 82 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.607 | 0.593 | 2.3 | 82 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.628 | 0.611 | 2.7 | 82 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.590 | 0.592 | -0.3 | 84 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.335 | 0.343 | -2.4 | 81 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.206 | 0.187 | 9.2 | 74 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.385 | 0.364 | 5.5 | 79 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.405 | 0.378 | 6.7 | 77 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.522 | 1.599 | -5.1 | 89 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.580 | 1.546 | 2.2 | 81 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.186 | 1.160 | 2.2 | 81 | 0.00 |

Sample Results: **BF143003.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143003.D
Acq On : 07 Jul 2025 12:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 07 13:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.332 | 0.322 | 3.0 | 79 | 0.00 |
| 49 | | Acenaphthylene | 1.952 | 1.905 | 2.4 | 81 | 0.00 |
| 50 | | Dimethylphthalate | 1.295 | 1.251 | 3.4 | 81 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.284 | 0.276 | 2.8 | 79 | 0.00 |
| 52 | C | Acenaphthene | 1.191 | 1.193 | -0.2 | 83 | 0.00 |
| 53 | | 3-Nitroaniline | 0.313 | 0.297 | 5.1 | 78 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.142 | 0.169 | -19.0 | 94 | 0.01 |
| 55 | | Dibenzofuran | 1.708 | 1.645 | 3.7 | 80 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.214 | 0.207 | 3.3 | 79 | 0.01 |
| 57 | | 2,4-Dinitrotoluene | 0.378 | 0.360 | 4.8 | 78 | 0.00 |
| 58 | | Fluorene | 1.334 | 1.274 | 4.5 | 80 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.326 | 0.293 | 10.1 | 75 | 0.00 |
| 60 | | Diethylphthalate | 1.269 | 1.220 | 3.9 | 80 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.636 | 0.616 | 3.1 | 82 | 0.00 |
| 62 | | 4-Nitroaniline | 0.286 | 0.265 | 7.3 | 77 | 0.00 |
| 63 | | Azobenzene | 1.134 | 1.072 | 5.5 | 79 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 75 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.121 | 0.121 | 0.0 | 76 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.693 | 0.704 | -1.6 | 78 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.228 | 0.232 | -1.8 | 80 | 0.00 |
| 68 | | Hexachlorobenzene | 0.253 | 0.255 | -0.8 | 79 | 0.00 |
| 69 | | Atrazine | 0.179 | 0.184 | -2.8 | 79 | 0.00 |
| 70 | C | Pentachlorophenol | 0.126 | 0.143 | -13.5 | 85 | 0.00 |
| 71 | | Phenanthrene | 1.083 | 1.050 | 3.0 | 76 | 0.00 |
| 72 | | Anthracene | 1.111 | 1.081 | 2.7 | 76 | 0.00 |
| 73 | | Carbazole | 0.959 | 0.888 | 7.4 | 74 | 0.00 |
| 74 | | Di-n-butylphthalate | 0.999 | 1.010 | -1.1 | 80 | 0.00 |
| 75 | C | Fluoranthene | 1.028 | 0.933 | 9.2 | 73 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 77 | | Benzidine | 0.751 | 0.850 | -13.2 | 89 | 0.00 |
| 78 | | Pyrene | 1.875 | 1.782 | 5.0 | 83 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.447 | 1.318 | 8.9 | 80 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.544 | 0.602 | -10.7 | 89 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.349 | 1.319 | 2.2 | 84 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.438 | 0.480 | -9.6 | 91 | 0.00 |
| 83 | | Chrysene | 1.204 | 1.216 | -1.0 | 85 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.782 | 0.919 | -17.5 | 93 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.475 | 1.705 | -15.6 | 94 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.523 | 1.334 | 12.4 | 78 | 0.02 |
| 88 | | Benzo(b)fluoranthene | 1.157 | 1.189 | -2.8 | 95 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.083 | 1.000 | 7.7 | 83 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.118 | 1.099 | 1.7 | 88 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.238 | 1.100 | 11.1 | 80 | 0.01 |
| 92 | | Benzo(g,h,i)perylene | 1.234 | 1.044 | 15.4 | 75 | 0.02 |

Sample Results: **BF143003.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143003.D
Acq On : 07 Jul 2025 12:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 07 13:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BF143003.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143003.D
Acq On : 07 Jul 2025 12:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 07 13:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 79 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 35.782 | 10.5 | 74 | -0.02 |
| 3 | | Pyridine | 40.000 | 36.706 | 8.2 | 75 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.176 | 9.6 | 75 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.207 | 3.5 | 80 | 0.00 |
| 6 | | Aniline | 40.000 | 38.069 | 4.8 | 78 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 76.939 | 3.8 | 81 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.405 | 4.0 | 79 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 42.667 | -6.7 | 94 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.395 | 4.0 | 79 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.570 | 3.6 | 80 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.778 | 3.1 | 81 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.211 | 2.0 | 81 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.836 | 2.9 | 80 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.365 | 1.6 | 82 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.367 | 9.1 | 76 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.871 | 0.3 | 83 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.601 | 1.0 | 80 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.369 | 1.6 | 82 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.972 | 0.1 | 82 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 80 | 0.00 |
| 22 | | Acetophenone | 40.000 | 39.346 | 1.6 | 83 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 84.475 | -5.6 | 87 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.630 | 3.4 | 80 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.672 | 3.3 | 81 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.029 | -2.6 | 83 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.538 | 3.7 | 80 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.573 | 1.1 | 83 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.320 | 1.7 | 81 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.498 | 1.3 | 82 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.334 | 1.7 | 82 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 34.462 | 13.8 | 70 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 37.195 | 7.0 | 78 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.249 | -0.6 | 83 | 0.00 |
| 35 | | Caprolactam | 40.000 | 38.545 | 3.6 | 80 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.359 | 1.6 | 82 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.070 | 2.3 | 82 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.897 | 2.8 | 82 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 79 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.120 | -0.3 | 84 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 40.967 | -2.4 | 81 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 72.570 | 9.3 | 74 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 37.913 | 5.2 | 79 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 37.348 | 6.6 | 77 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 84.026 | -5.0 | 89 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.146 | 2.1 | 81 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.144 | 2.1 | 81 | 0.00 |

Sample Results: **BF143003.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143003.D
Acq On : 07 Jul 2025 12:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 07 13:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 38.713 | 3.2 | 79 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.035 | 2.4 | 81 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 38.647 | 3.4 | 81 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 38.826 | 2.9 | 79 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 40.086 | -0.2 | 83 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 37.896 | 5.3 | 78 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 47.528 | -18.8 | 94 | 0.01 |
| 55 | | Dibenzofuran | 40.000 | 38.541 | 3.6 | 80 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 38.583 | 3.5 | 79 | 0.01 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 38.178 | 4.6 | 78 | 0.00 |
| 58 | | Fluorene | 40.000 | 38.205 | 4.5 | 80 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 35.944 | 10.1 | 75 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 38.440 | 3.9 | 80 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 38.716 | 3.2 | 82 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 37.032 | 7.4 | 77 | 0.00 |
| 63 | | Azobenzene | 40.000 | 37.788 | 5.5 | 79 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 75 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.944 | 0.1 | 76 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.625 | -1.6 | 78 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 40.831 | -2.1 | 80 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 40.328 | -0.8 | 79 | 0.00 |
| 69 | | Atrazine | 40.000 | 41.168 | -2.9 | 79 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 45.495 | -13.7 | 85 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.776 | 3.1 | 76 | 0.00 |
| 72 | | Anthracene | 40.000 | 38.930 | 2.7 | 76 | 0.00 |
| 73 | | Carbazole | 40.000 | 37.050 | 7.4 | 74 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.464 | -1.2 | 80 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 36.315 | 9.2 | 73 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 81 | 0.00 |
| 77 | | Benzidine | 40.000 | 45.269 | -13.2 | 89 | 0.00 |
| 78 | | Pyrene | 40.000 | 38.016 | 5.0 | 83 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 72.831 | 9.0 | 80 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 44.276 | -10.7 | 89 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.108 | 2.2 | 84 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 43.913 | -9.8 | 91 | 0.00 |
| 83 | | Chrysene | 40.000 | 40.410 | -1.0 | 85 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 46.985 | -17.5 | 93 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 46.235 | -15.6 | 94 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 86 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 35.035 | 12.4 | 78 | 0.02 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 41.097 | -2.7 | 95 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 36.941 | 7.6 | 83 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 39.319 | 1.7 | 88 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 35.535 | 11.2 | 80 | 0.01 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 33.820 | 15.4 | 75 | 0.02 |

Sample Results: **BF143003.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143003.D
Acq On : 07 Jul 2025 12:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 07 13:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance  Contract: WALS01

Lab Code: ACE  SDG No.: Q2489

Instrument ID: BNA_F  Calibration Date/Time: 07/08/2025 10:54

Lab File ID: BF143025.D  Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040  Init. Calib. Time(s): 17:07 20:40

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Pyridine | 1.205 | 1.134 | | -5.9 | |
| 2-Fluorophenol | 1.201 | 1.183 | | -1.5 | |
| Phenol-d6 | 1.417 | 1.384 | | -2.3 | |
| 1,4-Dichlorobenzene | 1.462 | 1.442 | | -1.4 | 20.0 |
| 2-Methylphenol | 0.982 | 0.973 | | -0.9 | |
| 3+4-Methylphenols | 1.224 | 1.225 | | 0.1 | |
| Nitrobenzene-d5 | 0.365 | 0.385 | | 5.5 | |
| Hexachloroethane | 0.511 | 0.498 | | -2.5 | |
| Nitrobenzene | 0.330 | 0.315 | | -4.5 | |
| Hexachlorobutadiene | 0.190 | 0.185 | | -2.6 | 20.0 |
| 2,4,6-Trichlorophenol | 0.385 | 0.367 | | -4.7 | 20.0 |
| 2-Fluorobiphenyl | 1.522 | 1.552 | | 2.0 | |
| 2,4,5-Trichlorophenol | 0.405 | 0.383 | | -5.4 | |
| 2,4-Dinitrotoluene | 0.378 | 0.376 | | -0.5 | |
| 2,4,6-Tribromophenol | 0.206 | 0.200 | | -2.9 | |
| Hexachlorobenzene | 0.253 | 0.251 | | -0.8 | |
| Pentachlorophenol | 0.126 | 0.185 | | 46.8 | 20.0 |
| Terphenyl-d14 | 1.447 | 1.536 | | 6.2 | |

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF143025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143025.D
Acq On : 08 Jul 2025 10:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Jul 08 12:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 66813 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 257725 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.922 | 164 | 136330 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.410 | 188 | 218169 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.063 | 240 | 109391 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.557 | 264 | 135350 | 20.000 | ng | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 316247 | 78.806 | ng | | 0.00 |
| 7) Phenol-d6 | 6.510 | 99 | 369973 | 78.144 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.445 | 82 | 397254 | 84.546 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.716 | 330 | 108910 | 77.630 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.239 | 172 | 846426 | 81.561 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.998 | 244 | 672150 | 84.898 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.616 | 88 | 57982 | 36.124 | ng | | 98 |
| 3) Pyridine | 3.399 | 79 | 151473 | 37.643 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.346 | 42 | 77170 | 37.086 | ng | | 99 |
| 6) Aniline | 6.540 | 93 | 244676 | 38.839 | ng | # | 88 |
| 8) 2-Chlorophenol | 6.663 | 128 | 170496 | 39.386 | ng | | 99 |
| 9) Benzaldehyde | 6.428 | 77 | 120691 | 42.967 | ng | | 99 |
| 10) Phenol | 6.528 | 94 | 207080 | 39.348 | ng | | 82 |
| 11) bis(2-Chloroethyl)ether | 6.610 | 93 | 147243 | 39.146 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.816 | 146 | 191514 | 39.558 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.892 | 146 | 192667 | 39.445 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.045 | 146 | 182982 | 39.496 | ng | | 100 |
| 15) Benzyl Alcohol | 7.022 | 79 | 136943 | 40.010 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151 | 45 | 219851 | 36.380 | ng | | 88 |
| 17) 2-Methylphenol | 7.134 | 107 | 129961 | 39.617 | ng | | 98 |
| 18) Hexachloroethane | 7.387 | 117 | 66538 | 38.946 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 7.292 | 70 | 107553 | 39.059 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.287 | 107 | 163708 | 40.025 | ng | | 95 |
| 22) Acetophenone | 7.287 | 105 | 222206 | 39.098 | ng | | 98 |
| 24) Nitrobenzene | 7.463 | 77 | 162450 | 38.199 | ng | | 98 |
| 25) Isophorone | 7.704 | 82 | 291979 | 38.737 | ng | | 99 |
| 26) 2-Nitrophenol | 7.781 | 139 | 93437 | 40.333 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.816 | 122 | 155161 | 38.666 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.910 | 93 | 186301 | 38.878 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.022 | 162 | 141839 | 38.983 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.104 | 180 | 155378 | 38.835 | ng | | 99 |
| 31) Naphthalene | 8.187 | 128 | 490610 | 38.890 | ng | | 99 |
| 32) Benzoic acid | 7.939 | 122 | 72155 | 35.279 | ng | | 96 |
| 33) 4-Chloroaniline | 8.234 | 127 | 201664 | 39.314 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 95500 | 39.023 | ng | | 99 |
| 35) Caprolactam | 8.610 | 113 | 40230 | 41.901 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 8.722 | 107 | 142124 | 39.303 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.875 | 142 | 306009 | 39.127 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.975 | 142 | 315141 | 38.925 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.045 | 216 | 156502 | 38.905 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.028 | 237 | 92877 | 40.686 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.157 | 196 | 100080 | 38.180 | ng | | 99 |

Sample Results: **BF143025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143025.D
Acq On : 08 Jul 2025 10:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Jul 08 12:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.204 | 196 | 104339 | 37.813 ng | 99 |
| 46) 1,1'-Biphenyl | 9.339 | 154 | 410792 | 38.145 ng | 100 |
| 47) 2-Chloronaphthalene | 9.369 | 162 | 306622 | 37.941 ng | 99 |
| 48) 2-Nitroaniline | 9.463 | 65 | 88943 | 39.256 ng | 100 |
| 49) Acenaphthylene | 9.781 | 152 | 505519 | 37.997 ng | 99 |
| 50) Dimethylphthalate | 9.639 | 163 | 350801 | 39.752 ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.710 | 165 | 75946 | 39.188 ng | 95 |
| 52) Acenaphthene | 9.957 | 154 | 321787m | 39.643 ng | |
| 53) 3-Nitroaniline | 9.881 | 138 | 82962 | 38.881 ng | 99 |
| 54) 2,4-Dinitrophenol | 9.992 | 184 | 51195 | 52.757 ng | 96 |
| 55) Dibenzofuran | 10.128 | 168 | 445423 | 38.268 ng | 99 |
| 56) 4-Nitrophenol | 10.045 | 139 | 70555 | 48.300 ng | 96 |
| 57) 2,4-Dinitrotoluene | 10.116 | 165 | 102608 | 39.860 ng | 95 |
| 58) Fluorene | 10.469 | 166 | 354875 | 39.038 ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232 | 83670 | 37.618 ng | 94 |
| 60) Diethylphthalate | 10.339 | 149 | 338403 | 39.111 ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204 | 169854 | 39.156 ng | 98 |
| 62) 4-Nitroaniline | 10.492 | 138 | 76818 | 39.365 ng | 98 |
| 63) Azobenzene | 10.622 | 77 | 293688 | 37.977 ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.528 | 198 | 52231 | 39.580 ng | 99 |
| 66) n-Nitrosodiphenylamine | 10.580 | 169 | 298183 | 39.436 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248 | 100343 | 40.413 ng | 97 |
| 68) Hexachlorobenzene | 11.022 | 284 | 109501 | 39.689 ng | 99 |
| 69) Atrazine | 11.110 | 200 | 82526 | 42.266 ng | 100 |
| 70) Pentachlorophenol | 11.222 | 266 | 80900 | 58.845 ng | 97 |
| 71) Phenanthrene | 11.439 | 178 | 458805 | 38.822 ng | 100 |
| 72) Anthracene | 11.486 | 178 | 475083 | 39.196 ng | 100 |
| 73) Carbazole | 11.645 | 167 | 396286 | 37.887 ng | 100 |
| 74) Di-n-butylphthalate | 11.969 | 149 | 445869 | 40.919 ng | 100 |
| 75) Fluoranthene | 12.627 | 202 | 418605 | 37.322 ng | 100 |
| 77) Benzidine | 12.751 | 184 | 200477 | 48.779 ng | 99 |
| 78) Pyrene | 12.857 | 202 | 467410 | 45.585 ng | 99 |
| 80) Butylbenzylphthalate | 13.469 | 149 | 125308 | 42.130 ng | 96 |
| 81) Benzo(a)anthracene | 14.051 | 228 | 286505 | 38.824 ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.010 | 252 | 97033 | 40.538 ng | 99 |
| 83) Chrysene | 14.086 | 228 | 253970 | 38.568 ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149 | 169570 | 39.625 ng | 100 |
| 85) Di-n-octyl phthalate | 14.645 | 149 | 323589 | 40.101 ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.092 | 276 | 408600 | 39.633 ng | 99 |
| 88) Benzo(b)fluoranthene | 15.115 | 252 | 306592 | 39.146 ng | 100 |
| 89) Benzo(k)fluoranthene | 15.145 | 252 | 268010 | 36.576 ng | 100 |
| 90) Benzo(a)pyrene | 15.498 | 252 | 295042 | 38.995 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.104 | 278 | 326448 | 38.971 ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.551 | 276 | 324337 | 38.829 ng | 98 |

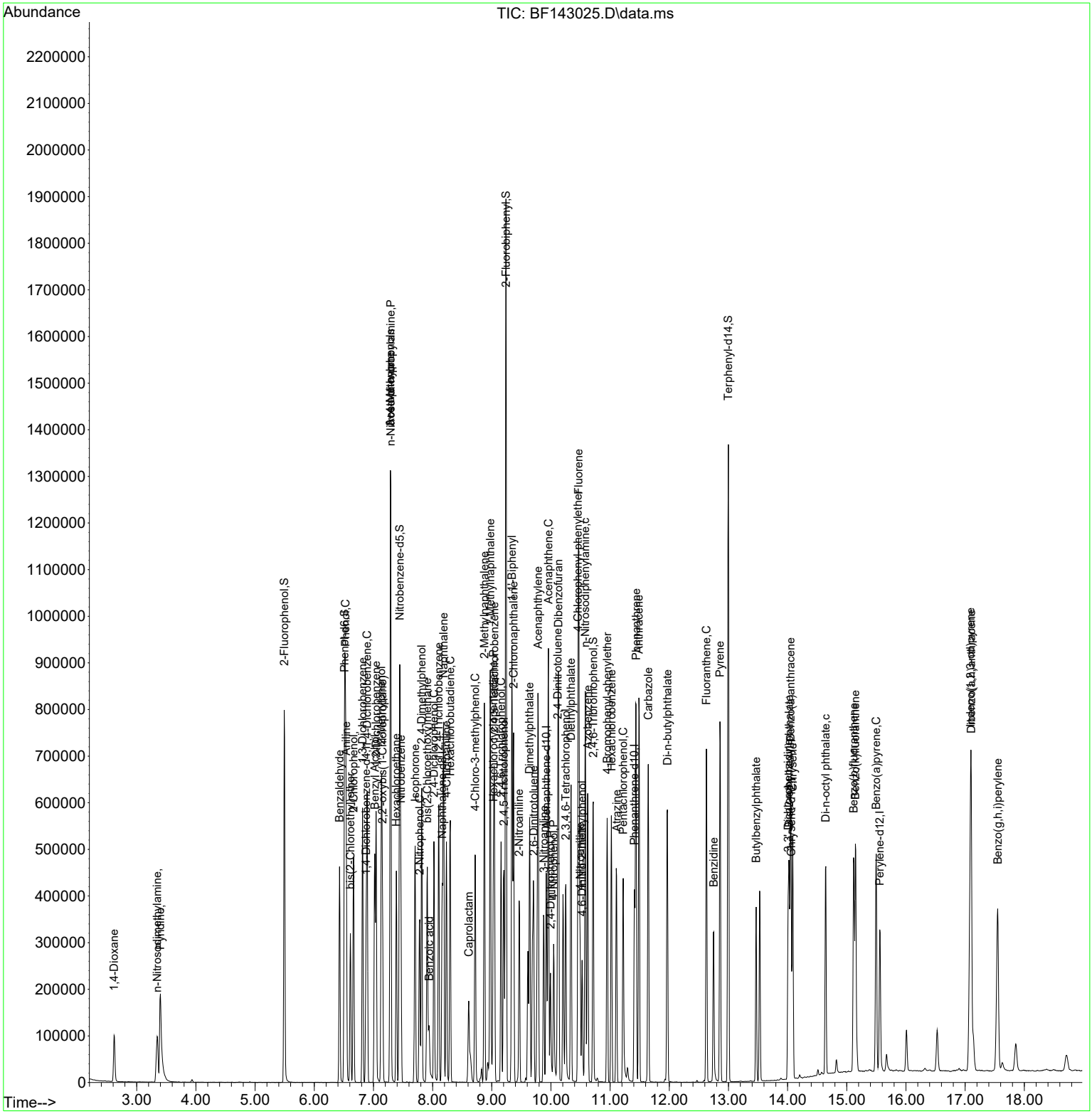
(#) = qualifier out of range (m) = manual integration (+) = signals summed

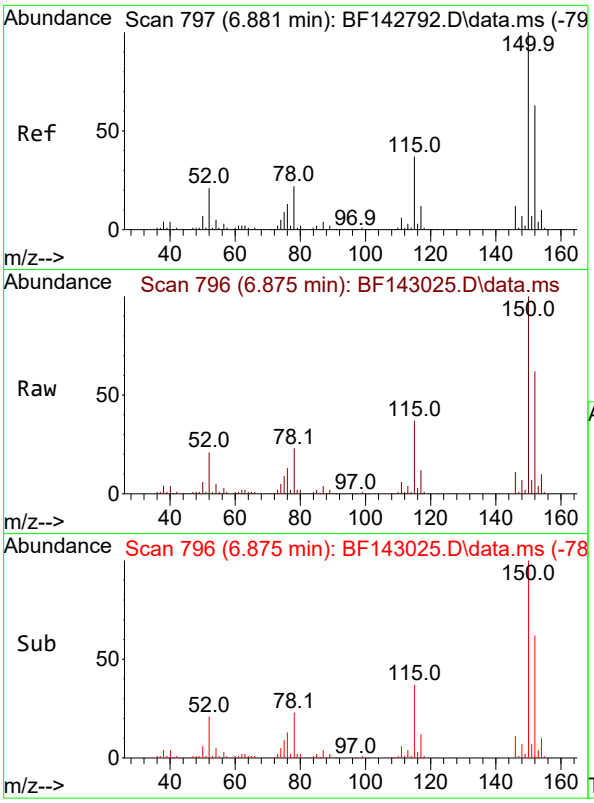
Sample Results: **BF143025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143025.D
Acq On : 08 Jul 2025 10:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Jul 08 12:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



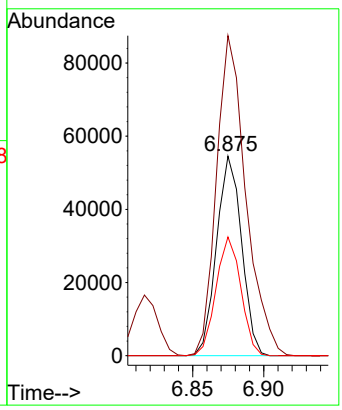


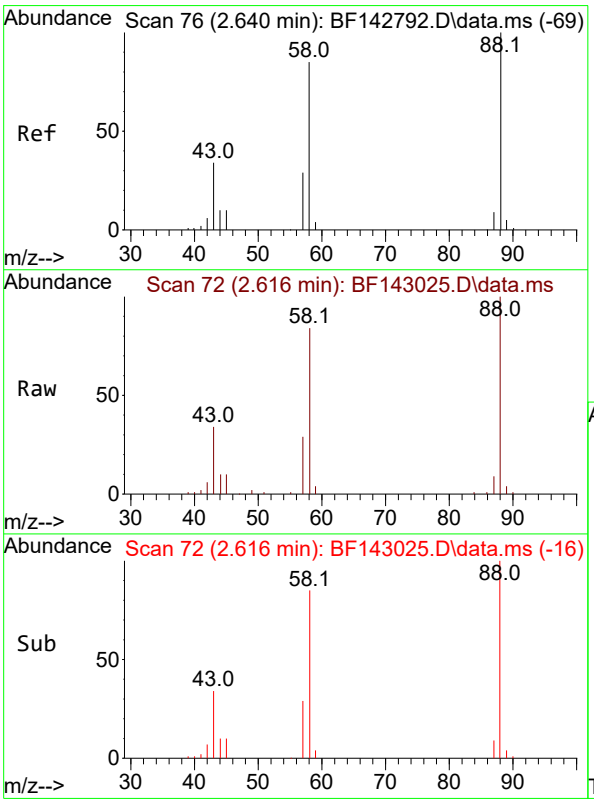

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 66813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.3 | 127.2 | 190.8 |
| 115 | 59.5 | 46.6 | 69.8 |

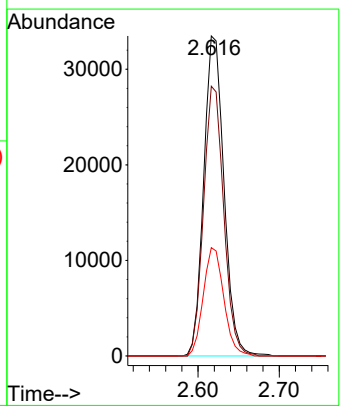


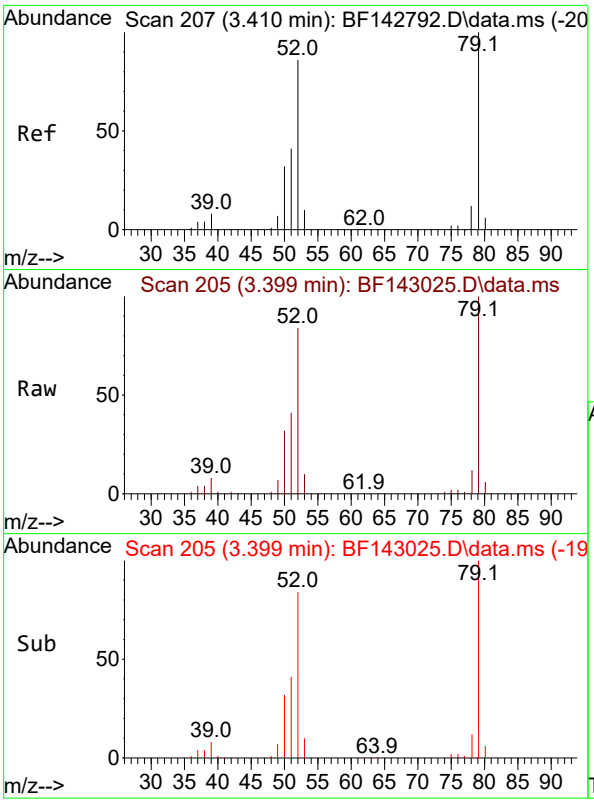




#2
1,4-Dioxane
Concen: 36.124 ng
RT: 2.616 min Scan# 72
Delta R.T. -0.023 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion: 88 Resp: 57982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 83.7 | 69.1 | 103.7 |
| 43 | 34.2 | 27.4 | 41.2 |



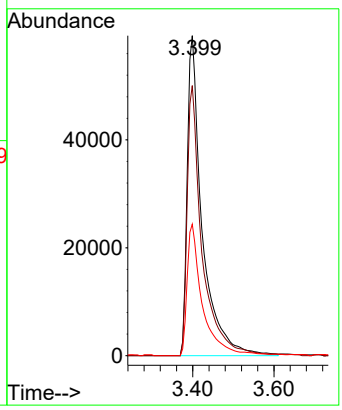


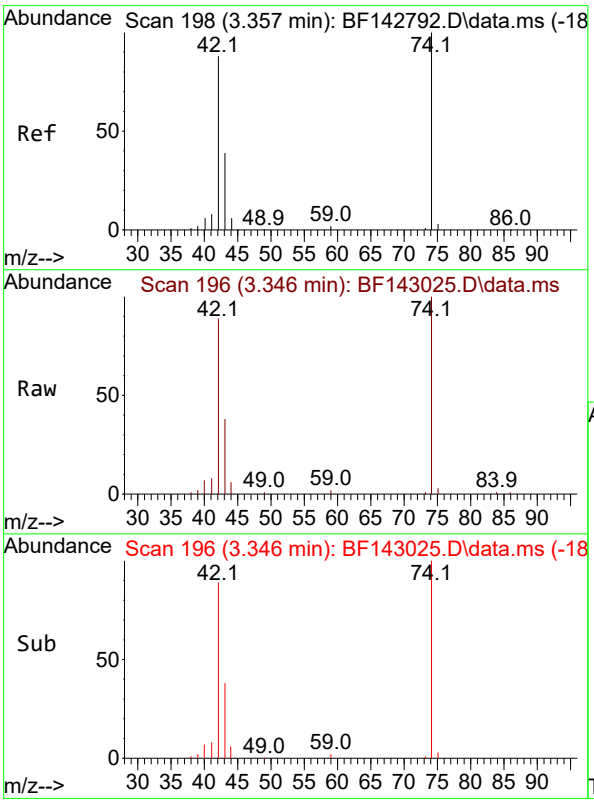

#3
Pyridine
Concen: 37.643 ng
RT: 3.399 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 151473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 84.4 | 69.2 | 103.8 |
| 51 | 41.1 | 33.2 | 49.8 |

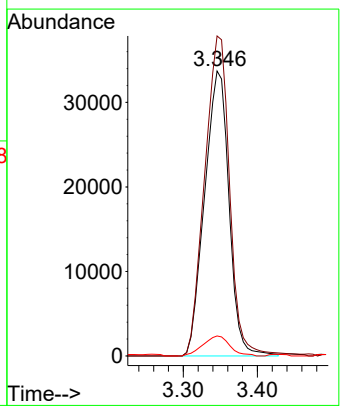


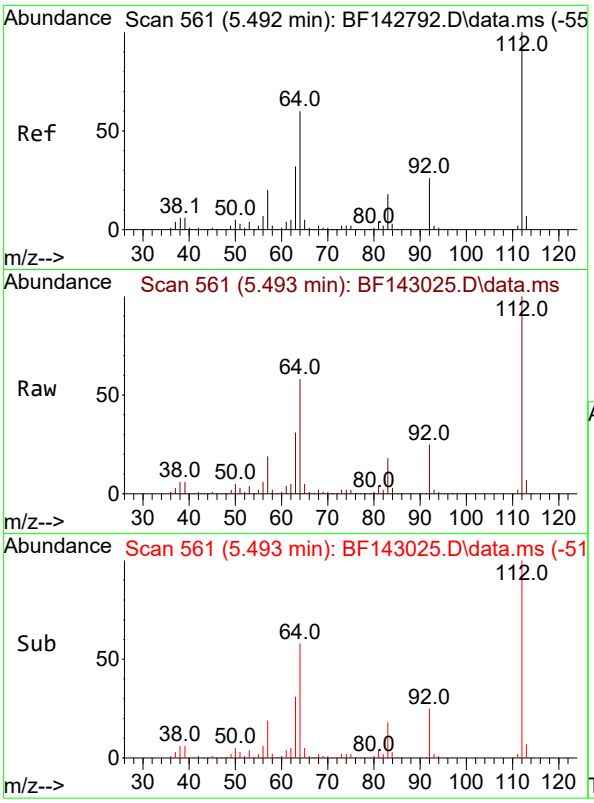




#4
n-Nitrosodimethylamine
Concen: 37.086 ng
RT: 3.346 min Scan# 196
Delta R.T. -0.012 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion: 42 Resp: 77170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 112.3 | 90.9 | 136.3 |
| 44 | 7.0 | 5.8 | 8.6 |



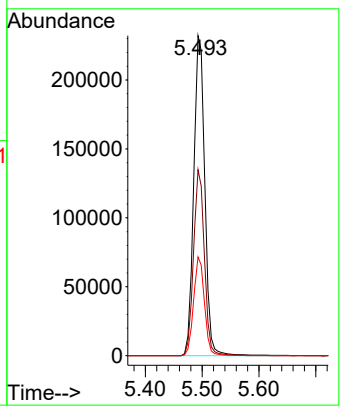


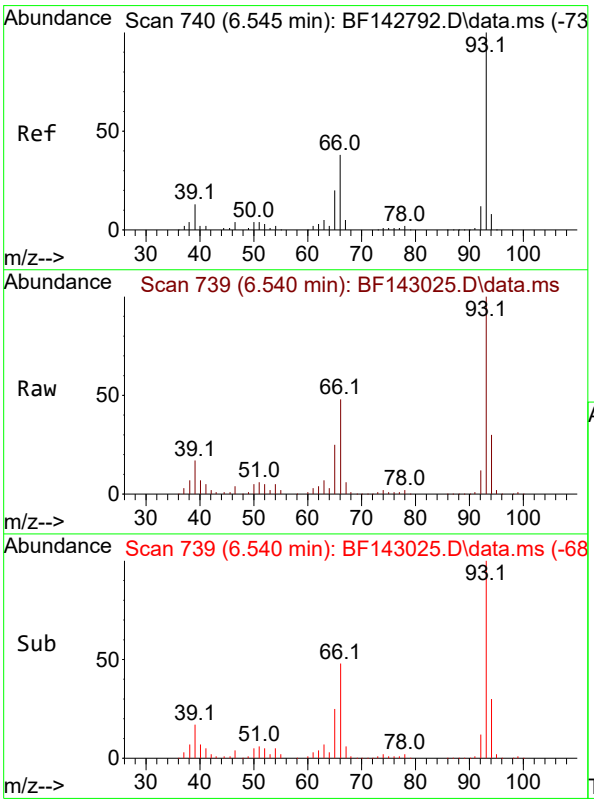

#5
2-Fluorophenol
Concen: 78.806 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.001 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:112 Resp: 316247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.1 | 48.2 | 72.2 |
| 63 | 30.8 | 25.7 | 38.5 |

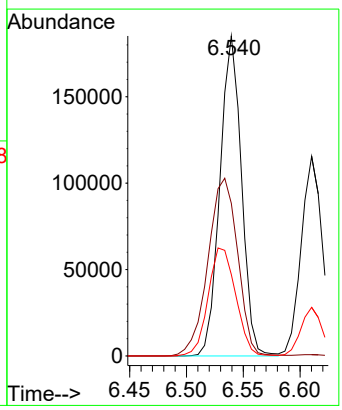


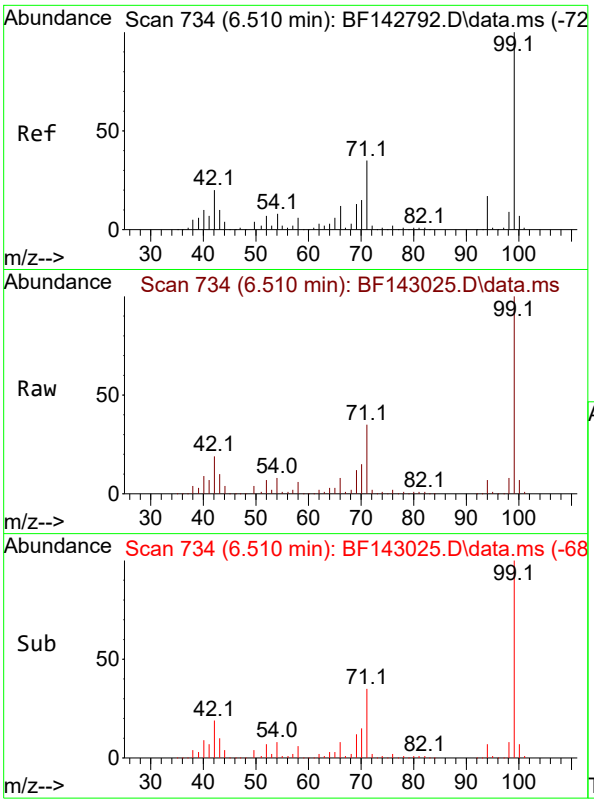




#6
Aniline
Concen: 38.839 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion: 93 Resp: 244676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 47.7 | 31.8 | 47.6# |
| 65 | 25.4 | 16.2 | 24.2# |



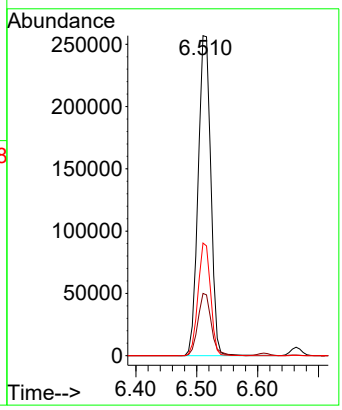


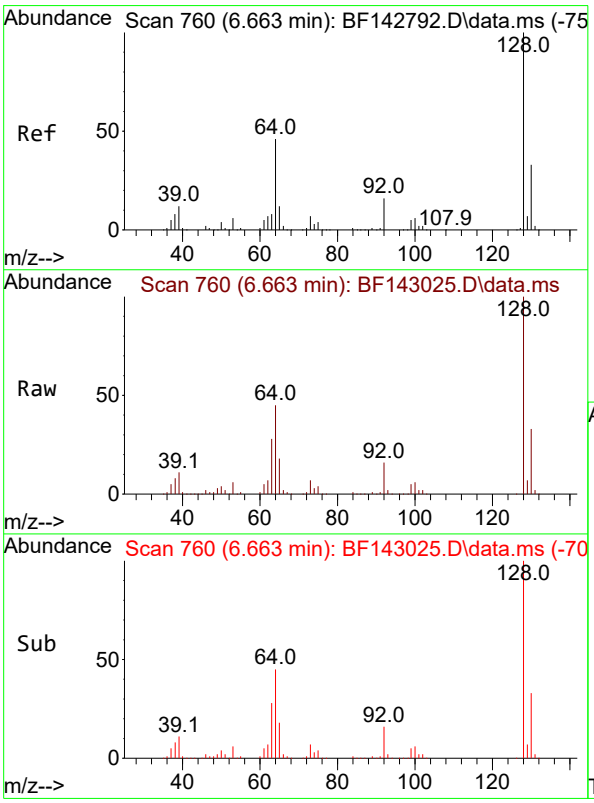

#7
Phenol-d6
Concen: 78.144 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 99 Resp: 369973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.4 | 15.9 | 23.9 |
| 71 | 35.2 | 27.8 | 41.8 |

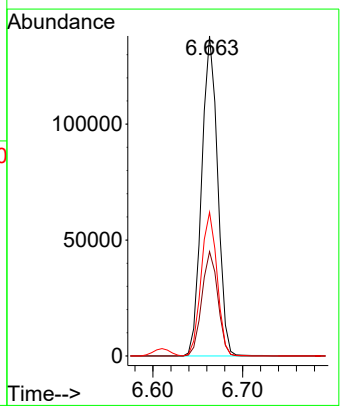


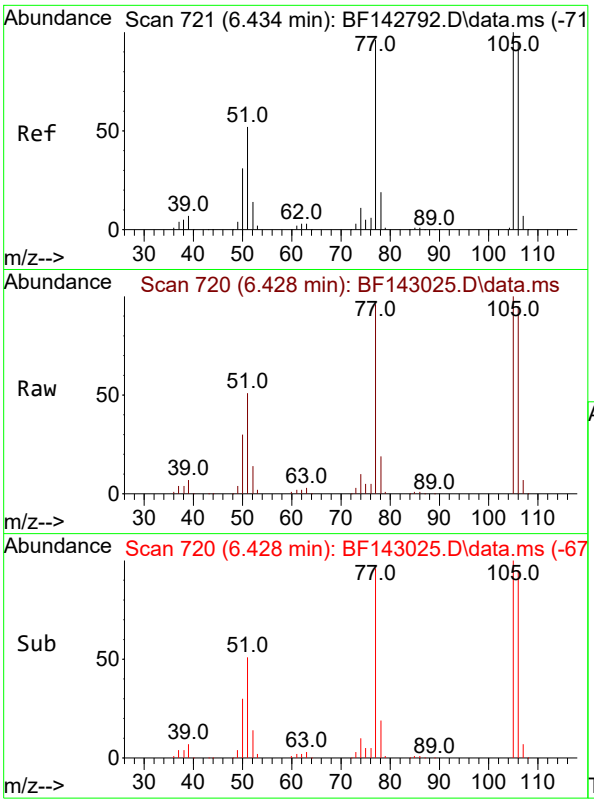




#8
2-Chlorophenol
Concen: 39.386 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:128 Resp: 170496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.6 | 12.7 | 52.7 |
| 64 | 44.9 | 26.5 | 66.5 |



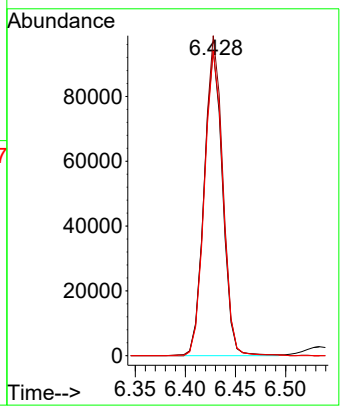


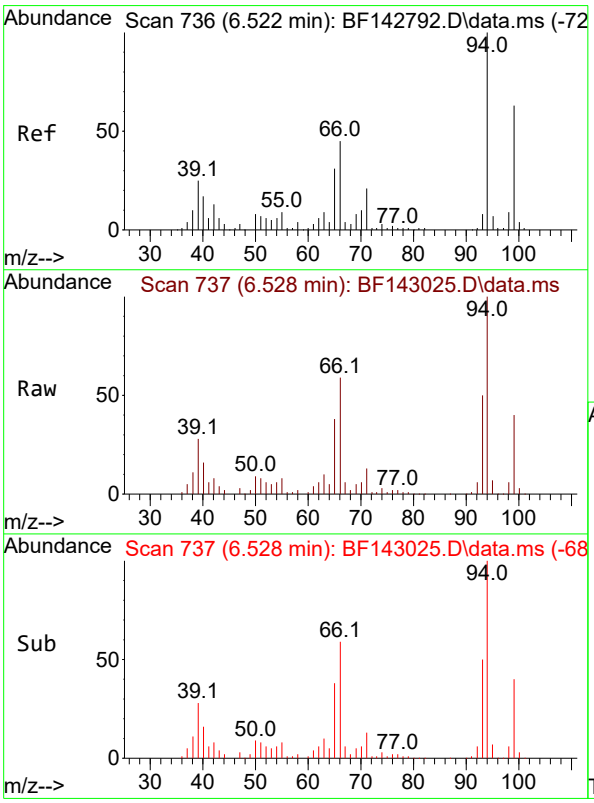

#9
Benzaldehyde
Concen: 42.967 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 120691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 104.7 | 83.8 | 123.8 |
| 106 | 99.7 | 78.7 | 118.7 |

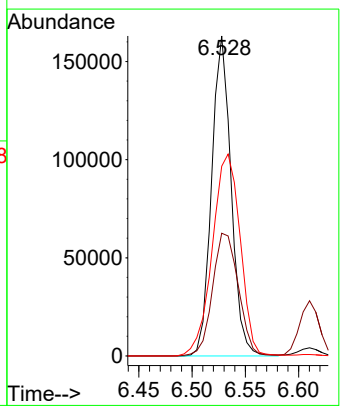


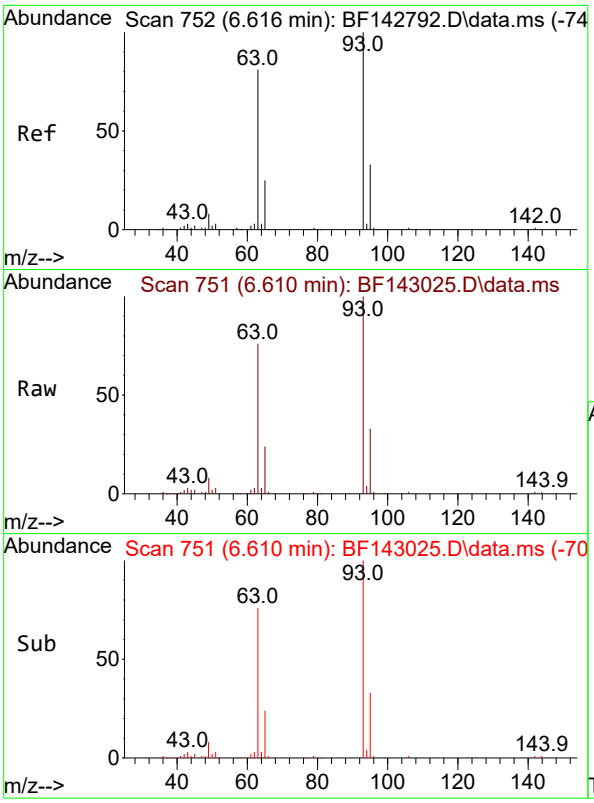




#10
Phenol
Concen: 39.348 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion: 94 Resp: 207080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 38.3 | 11.3 | 51.3 |
| 66 | 59.3 | 24.9 | 64.9 |



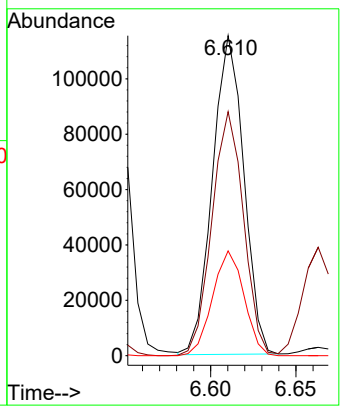


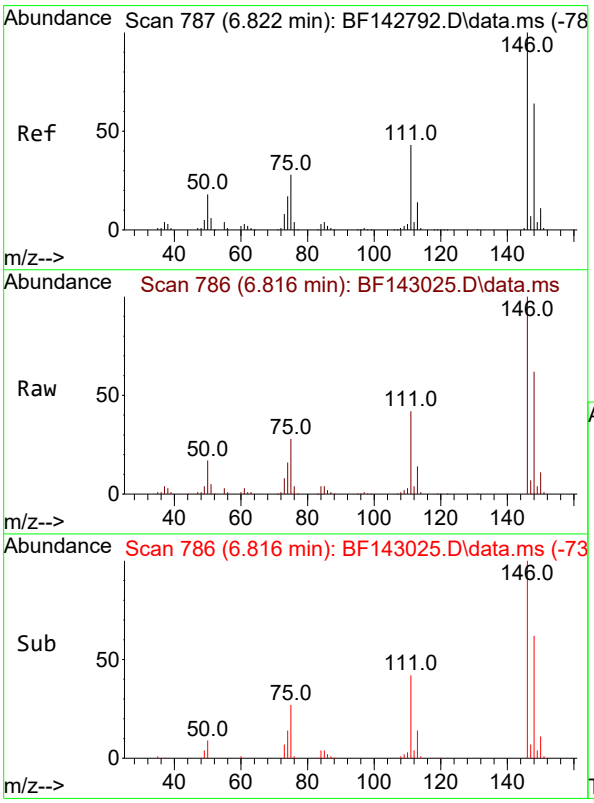

#11
bis(2-Chloroethyl)ether
Concen: 39.146 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 93 Resp: 147243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 76.3 | 60.3 | 100.3 |
| 95 | 32.7 | 12.5 | 52.5 |

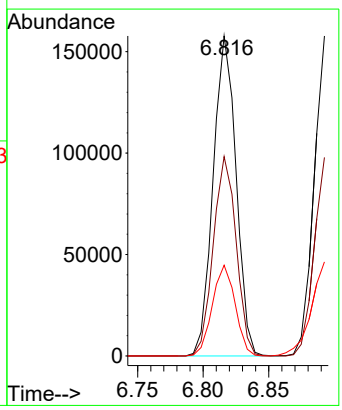


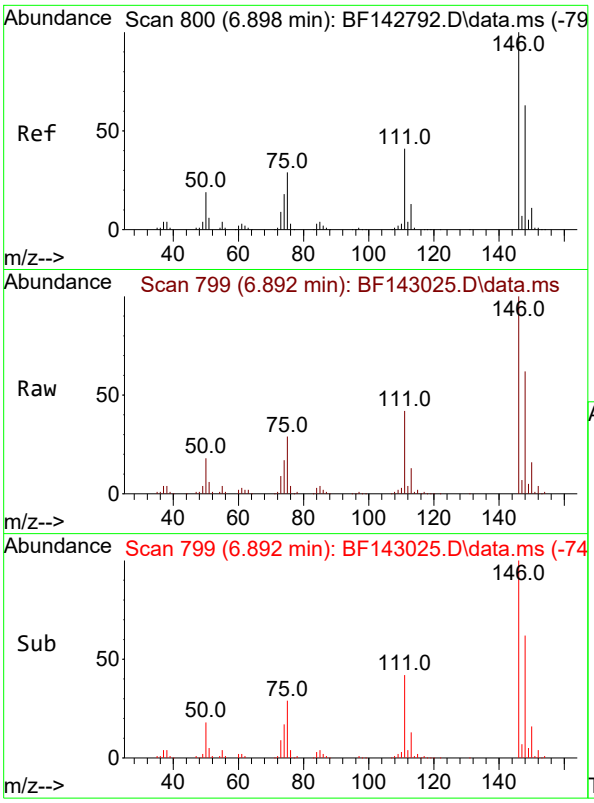




#12
1,3-Dichlorobenzene
Concen: 39.558 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:146 Resp: 191514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.3 | 51.1 | 76.7 |
| 75 | 28.3 | 22.7 | 34.1 |



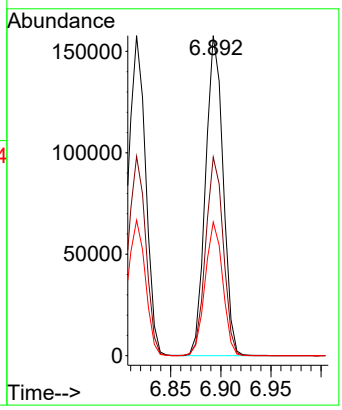


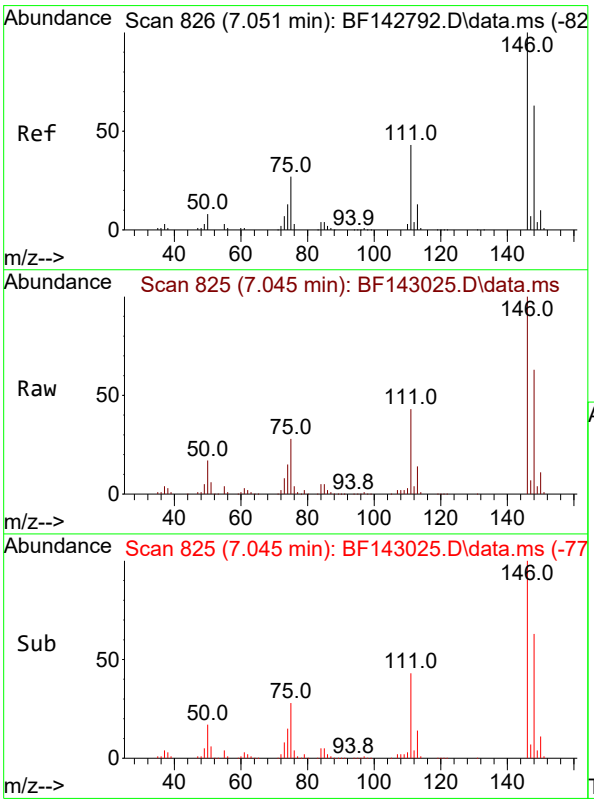

#13
1,4-Dichlorobenzene
Concen: 39.445 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:146 Resp: 192667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.1 | 50.2 | 75.2 |
| 111 | 41.7 | 33.2 | 49.8 |

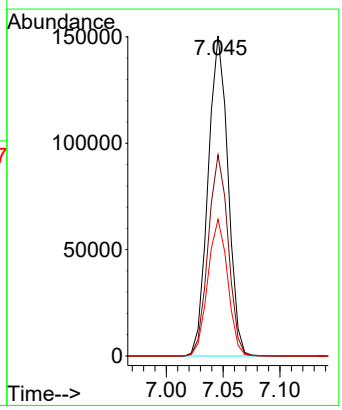


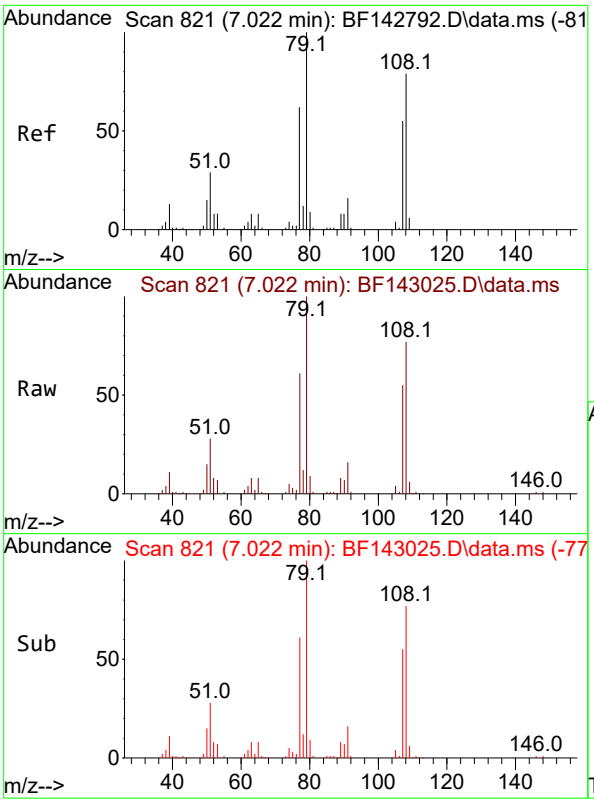




#14
1,2-Dichlorobenzene
Concen: 39.496 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:146 Resp: 182982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.9 | 50.4 | 75.6 |
| 111 | 42.7 | 34.1 | 51.1 |



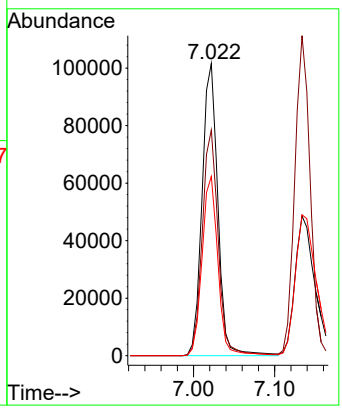


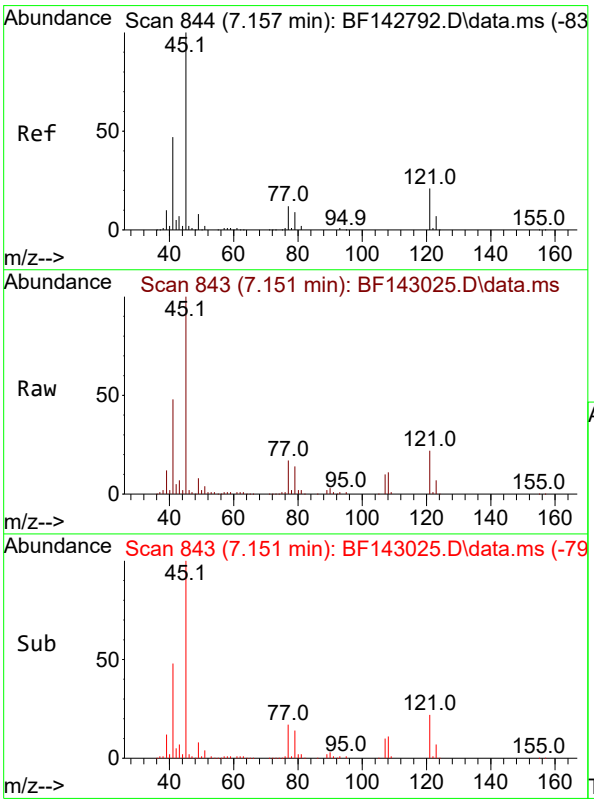

#15
Benzyl Alcohol
Concen: 40.010 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 136943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 77.2 | 63.4 | 95.0 |
| 77 | 61.4 | 49.5 | 74.3 |

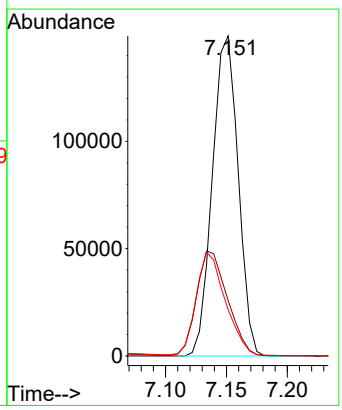


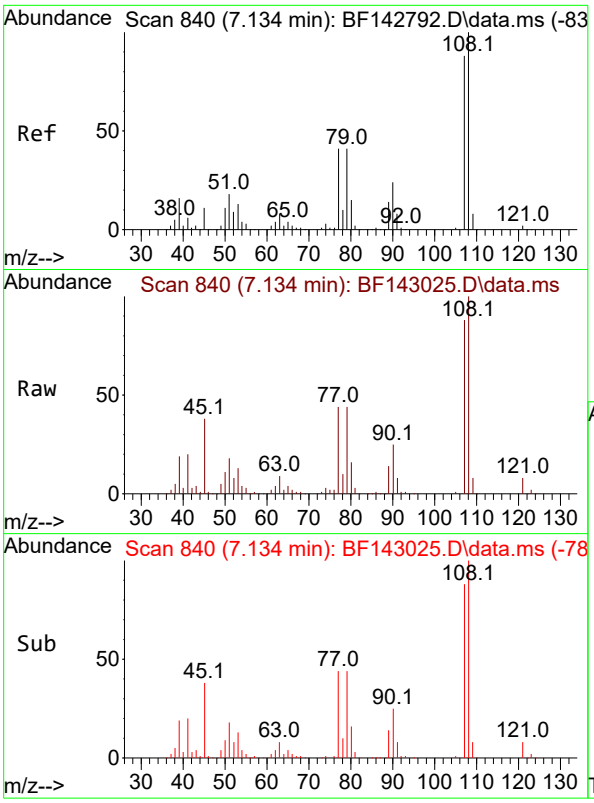




#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.380 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion: 45 Resp: 219851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.3 | 0.0 | 32.8 |
| 79 | 14.5 | 0.0 | 29.8 |



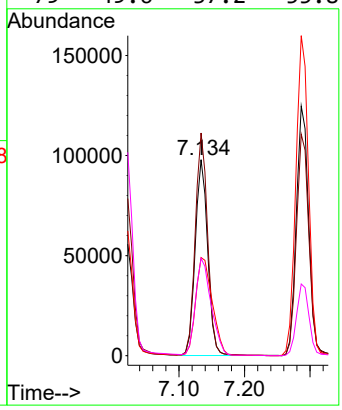


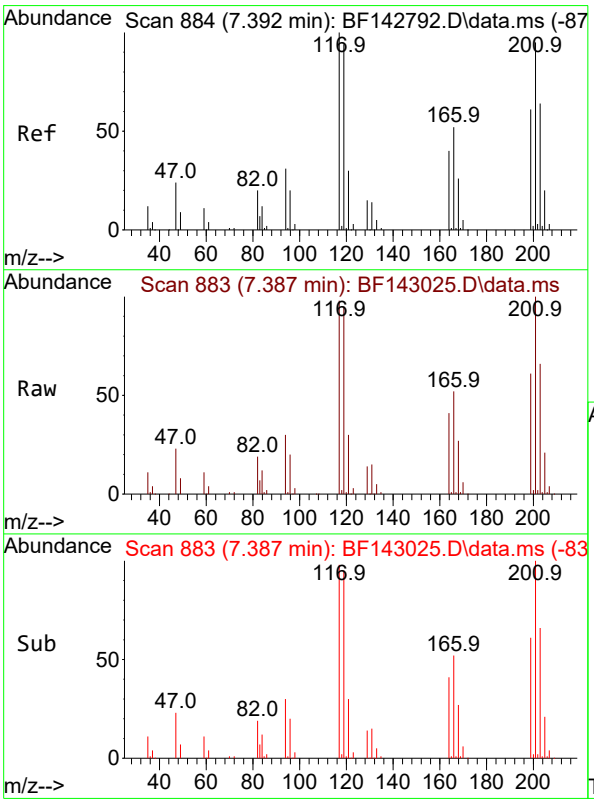

#17
2-Methylphenol
Concen: 39.617 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:107 Resp: 129961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.6 | 90.9 | 136.3 |
| 77 | 50.1 | 37.3 | 55.9 |
| 79 | 49.6 | 37.2 | 55.8 |

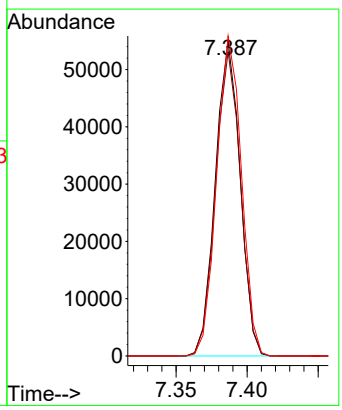


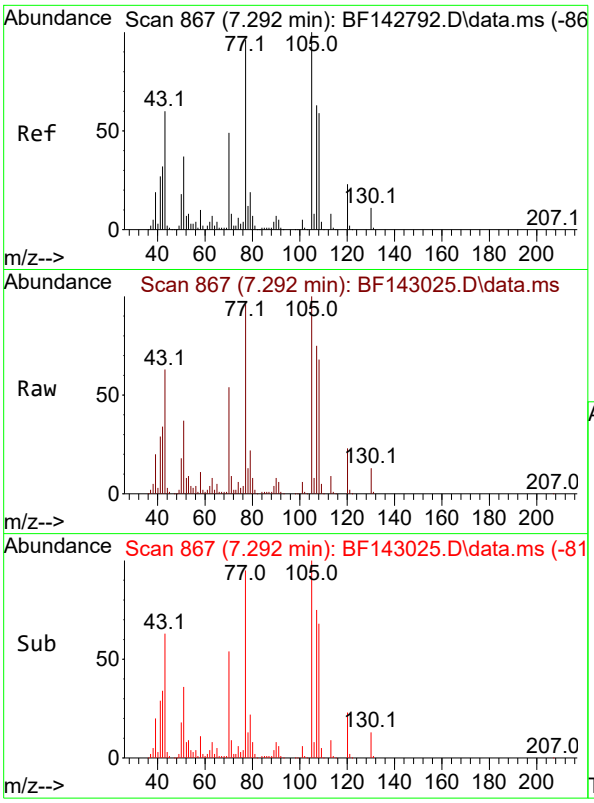




#18
Hexachloroethane
Concen: 38.946 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:117 Resp: 66538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.7 | 75.4 | 113.0 |
| 201 | 101.7 | 75.9 | 113.9 |



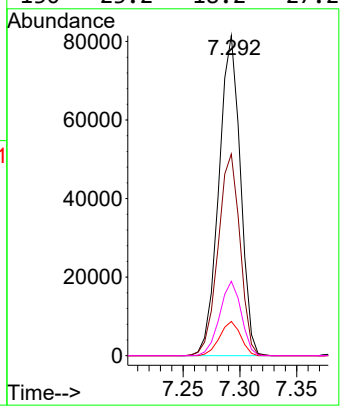


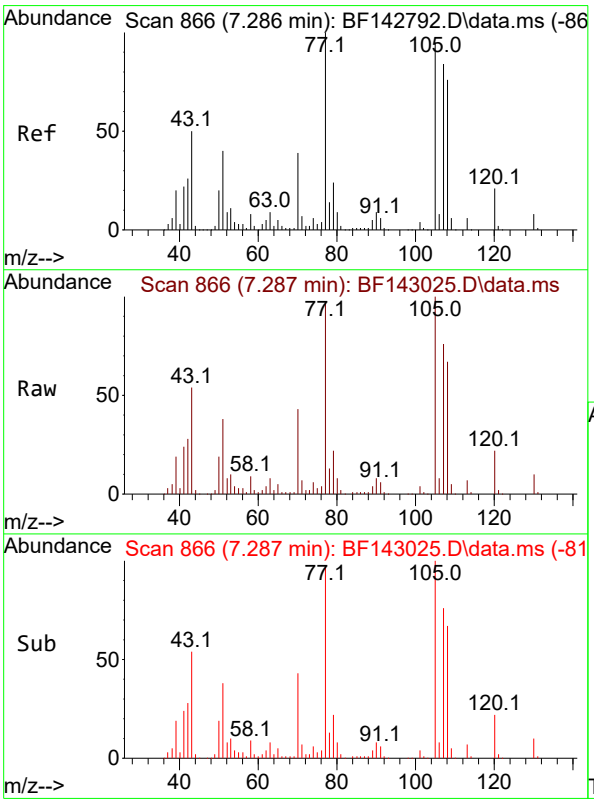

#19
n-Nitroso-di-n-propylamine
Concen: 39.059 ng
RT: 7.292 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 70 Resp: 107553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 63.0 | 52.1 | 78.1 |
| 101 | 10.7 | 8.2 | 12.2 |
| 130 | 23.2 | 18.2 | 27.2 |

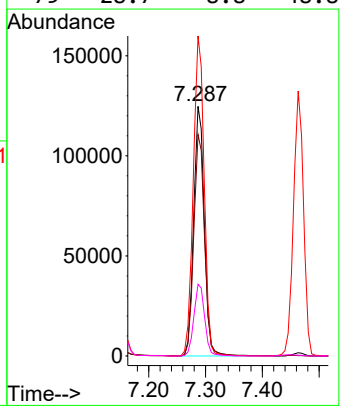


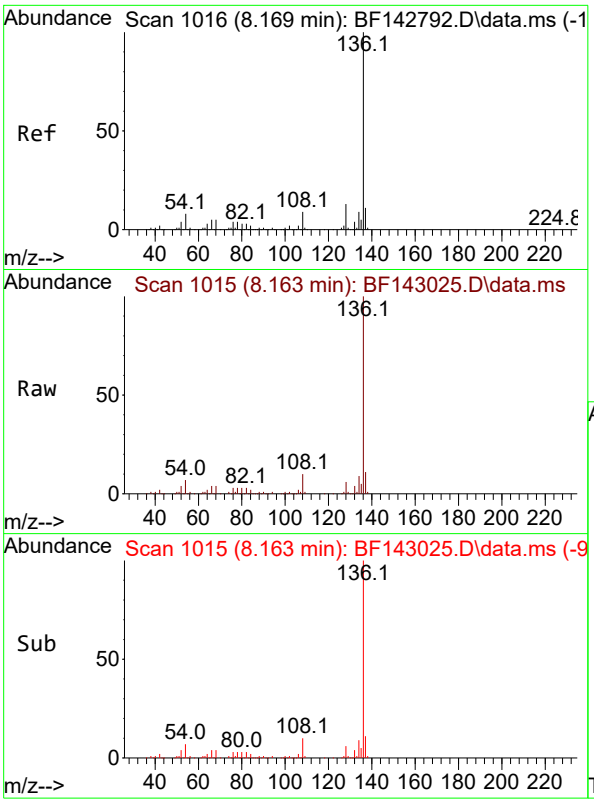




#20
3+4-Methylphenols
Concen: 40.025 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:107 Resp: 163708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.7 | 70.0 | 110.0 |
| 77 | 128.2 | 98.5 | 138.5 |
| 79 | 28.7 | 8.8 | 48.8 |



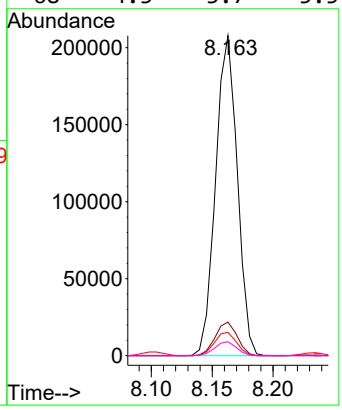


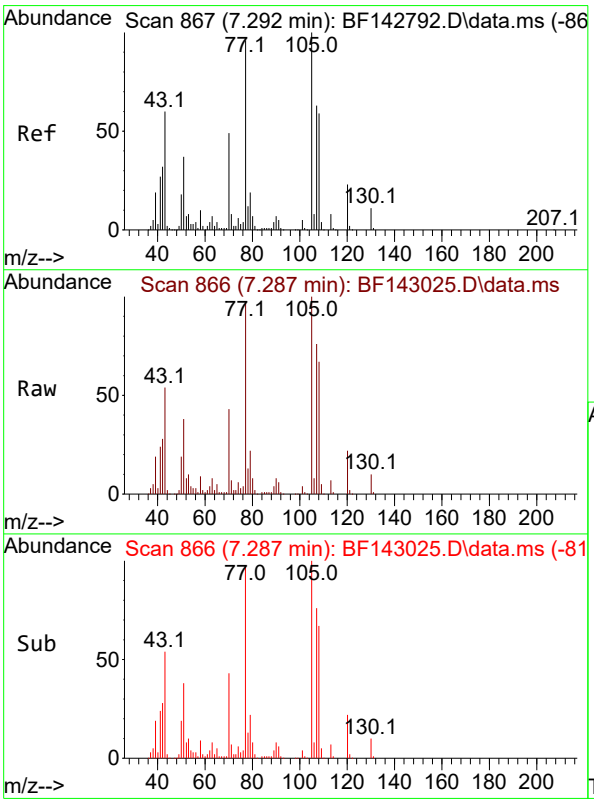

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:136 Resp: 257725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.5 | 8.4 | 12.6 |
| 54 | 7.3 | 6.3 | 9.5 |
| 68 | 4.3 | 3.7 | 5.5 |

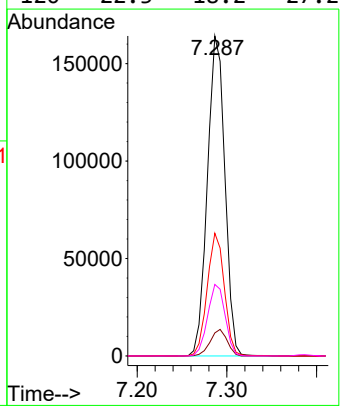


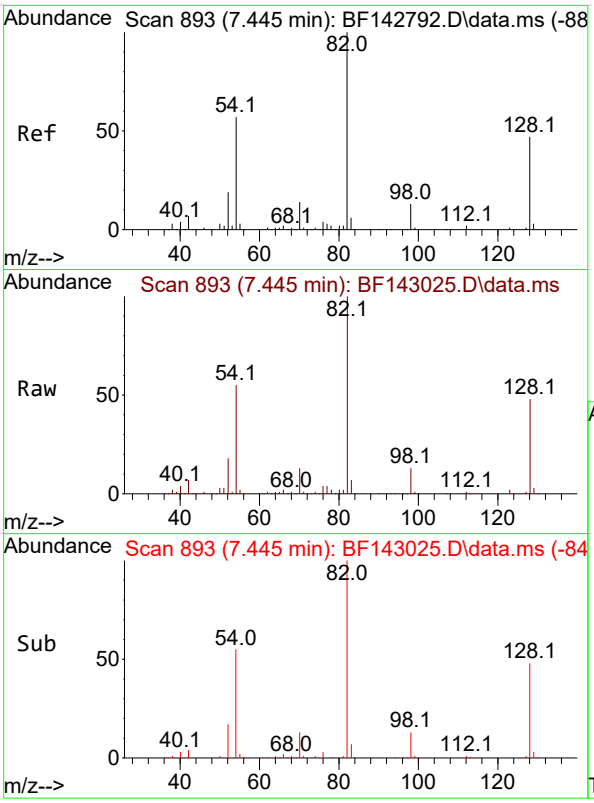




#22
Acetophenone
Concen: 39.098 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:105 Resp: 222206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.2 | 6.5 | 9.7 |
| 51 | 38.3 | 29.8 | 44.8 |
| 120 | 22.3 | 18.2 | 27.2 |



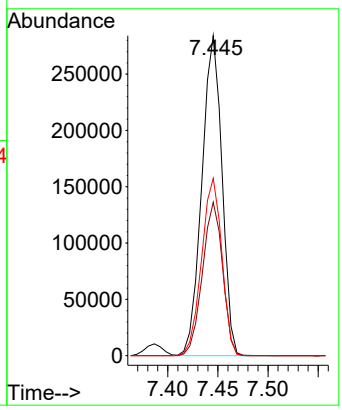


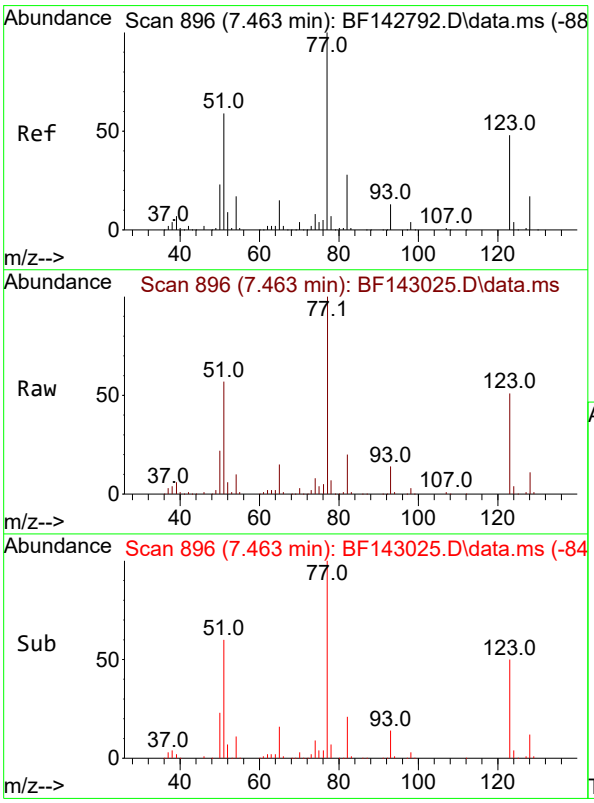

#23
Nitrobenzene-d5
Concen: 84.546 ng
RT: 7.445 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 397254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.0 | 37.7 | 56.5 |
| 54 | 55.4 | 45.7 | 68.5 |

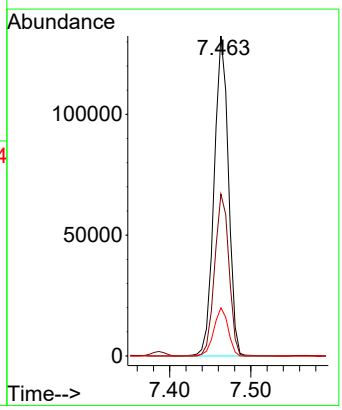


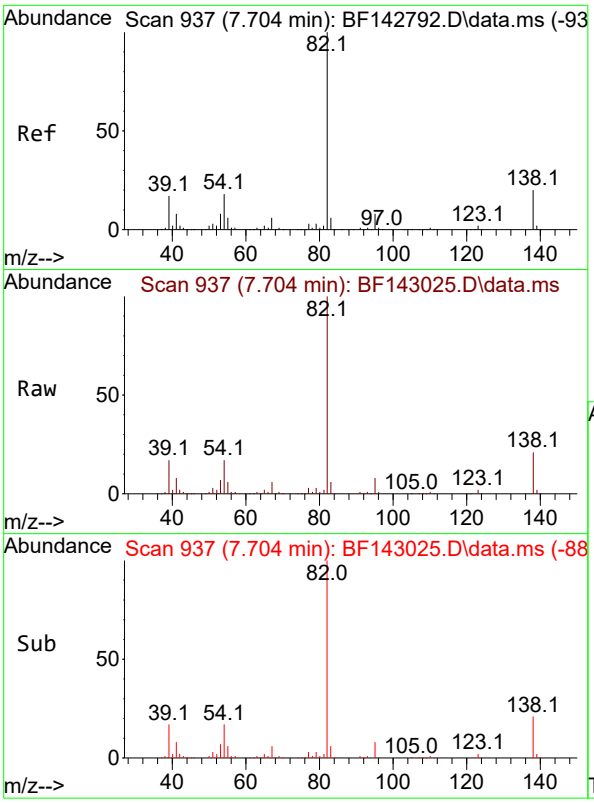




#24
Nitrobenzene
Concen: 38.199 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion: 77 Resp: 162450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 50.6 | 39.2 | 58.8 |
| 65 | 15.0 | 11.6 | 17.4 |



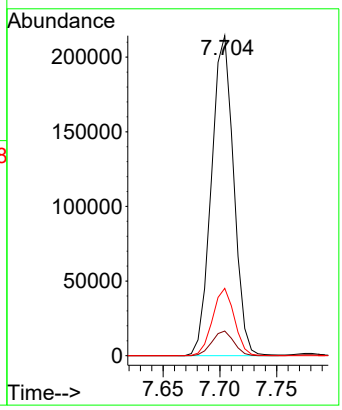


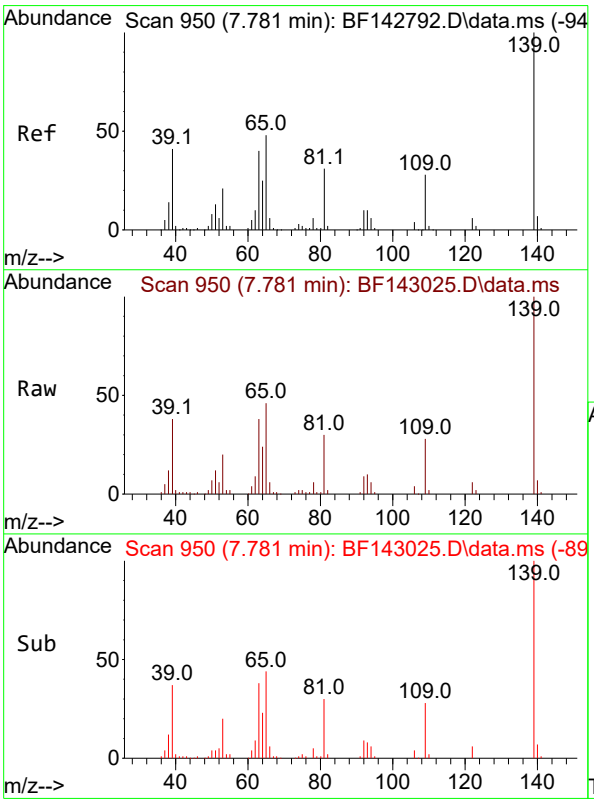

#25
Isophorone
Concen: 38.737 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 291979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.7 | 6.2 | 9.2 |
| 138 | 21.0 | 16.2 | 24.4 |

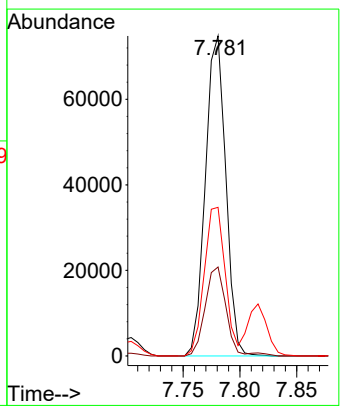


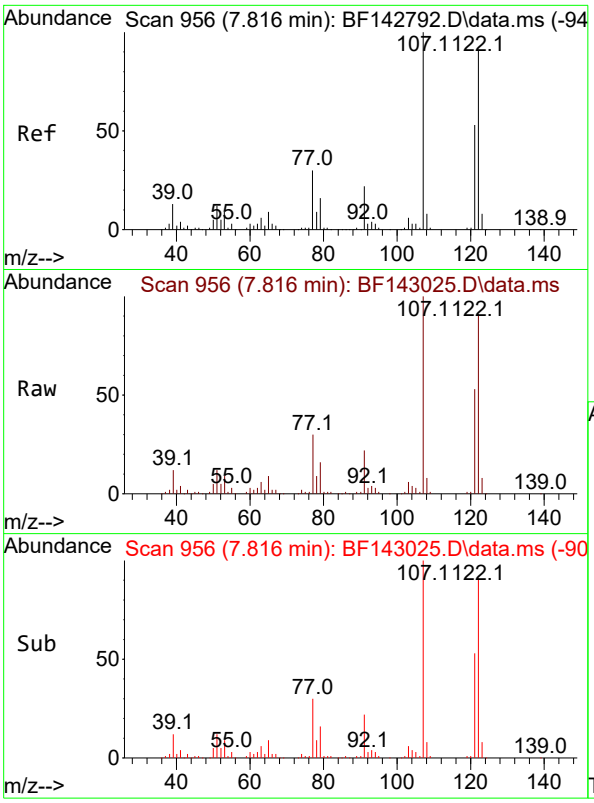




#26
2-Nitrophenol
Concen: 40.333 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:139 Resp: 93437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 27.8 | 22.7 | 34.1 |
| 65 | 46.4 | 38.6 | 58.0 |



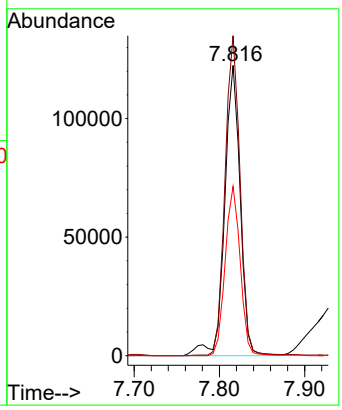


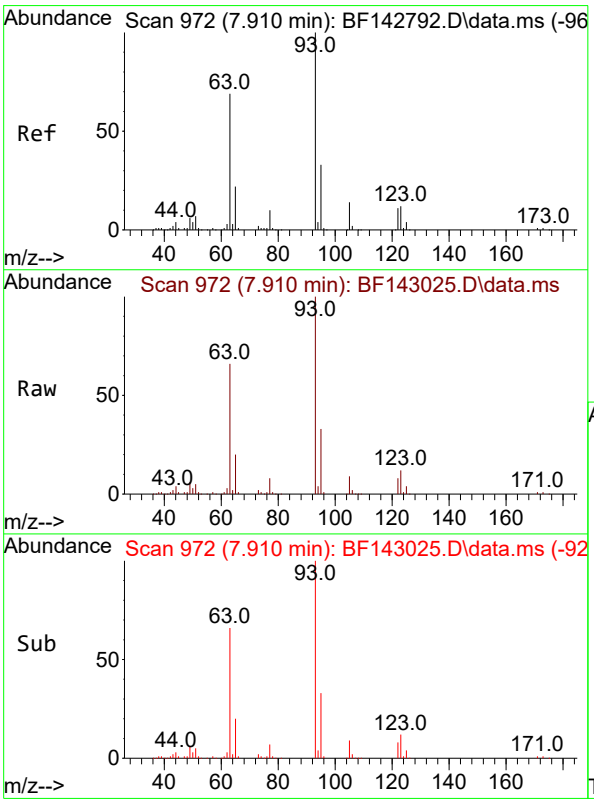

#27
2,4-Dimethylphenol
Concen: 38.666 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:122 Resp: 155161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 110.3 | 88.0 | 132.0 |
| 121 | 58.3 | 46.3 | 69.5 |

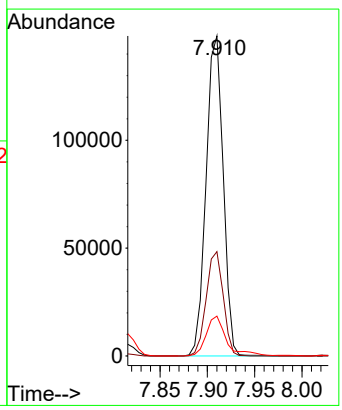


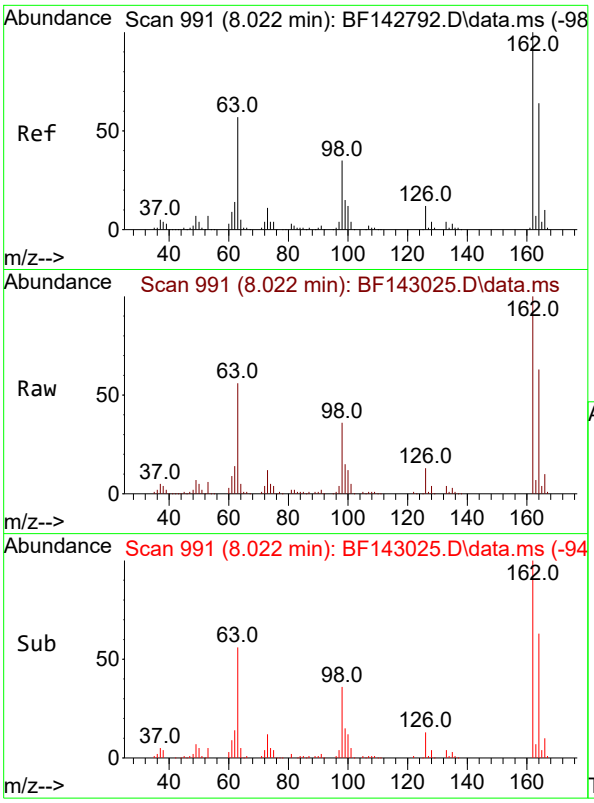




#28
bis(2-Chloroethoxy)methane
Concen: 38.878 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion: 93 Resp: 186301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.6 | 26.2 | 39.2 |
| 123 | 12.4 | 9.9 | 14.9 |



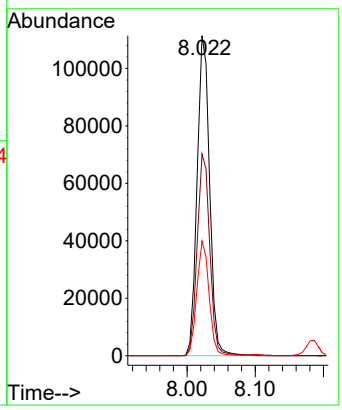


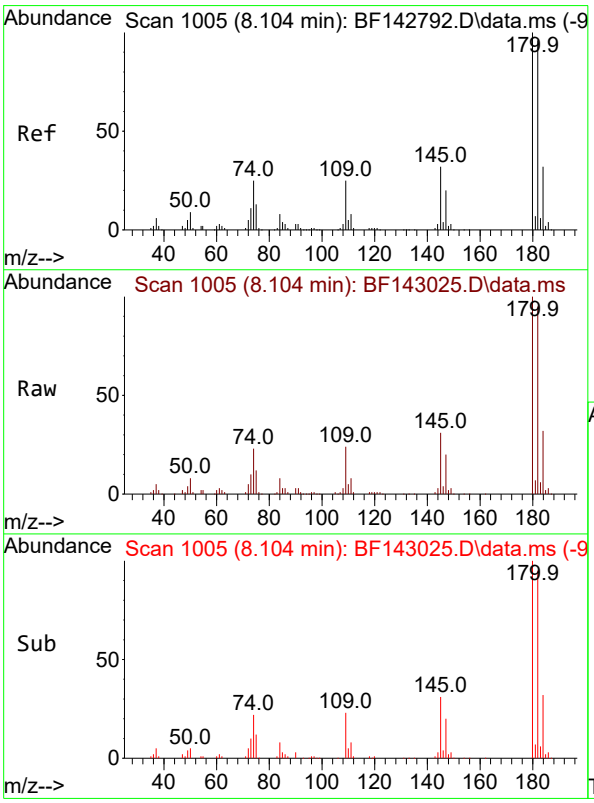

#29
2,4-Dichlorophenol
Concen: 38.983 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 141839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.1 | 44.0 | 84.0 |
| 98 | 35.9 | 15.4 | 55.4 |

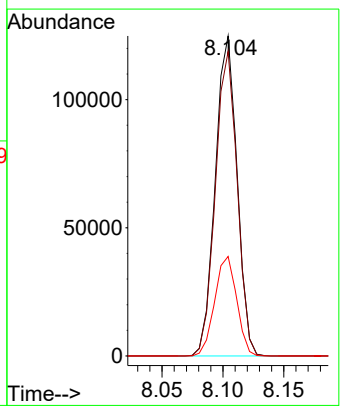


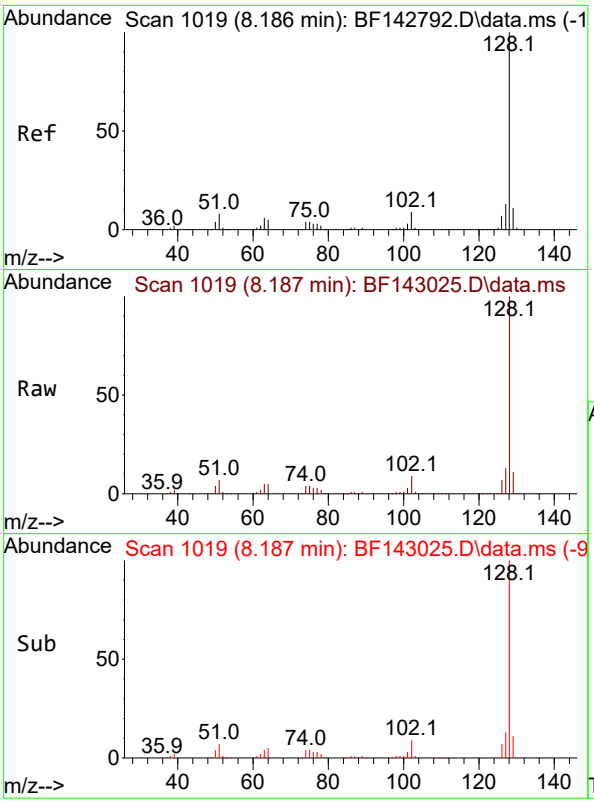




#30
1,2,4-Trichlorobenzene
Concen: 38.835 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:180 Resp: 155378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 76.4 | 114.6 |
| 145 | 31.1 | 25.8 | 38.8 |



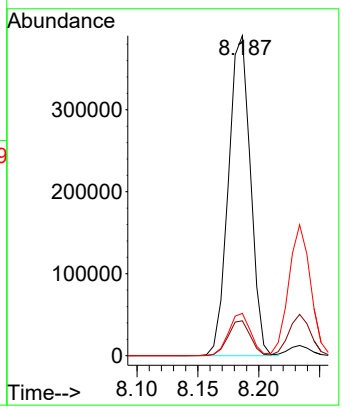


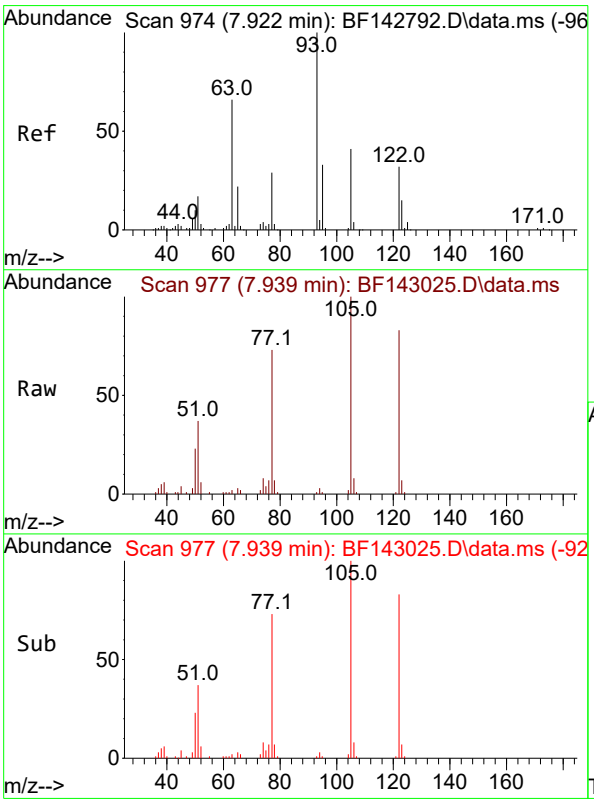

#31
Naphthalene
Concen: 38.890 ng
RT: 8.187 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:128 Resp: 490610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.9 | 13.3 |
| 127 | 13.2 | 10.4 | 15.6 |

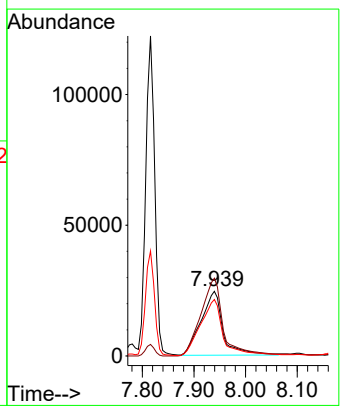


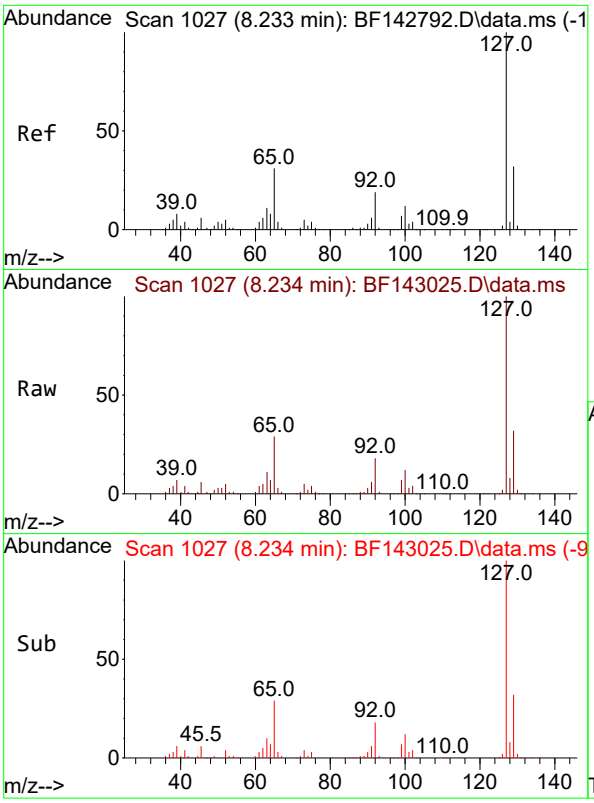




#32
Benzoic acid
Concen: 35.279 ng
RT: 7.939 min Scan# 977
Delta R.T. 0.018 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:122 Resp: 72155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 120.3 | 104.7 | 144.7 |
| 77 | 87.4 | 70.2 | 110.2 |



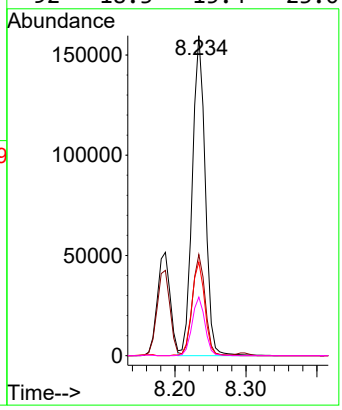


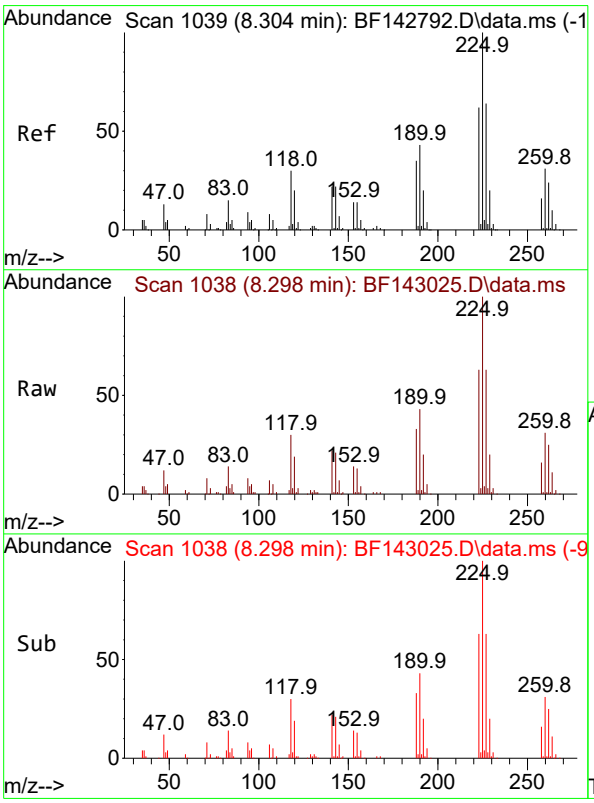

#33
4-Chloroaniline
Concen: 39.314 ng
RT: 8.234 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:127 Resp: 201664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.6 | 25.9 | 38.9 |
| 65 | 29.3 | 24.6 | 36.8 |
| 92 | 18.3 | 15.4 | 23.0 |

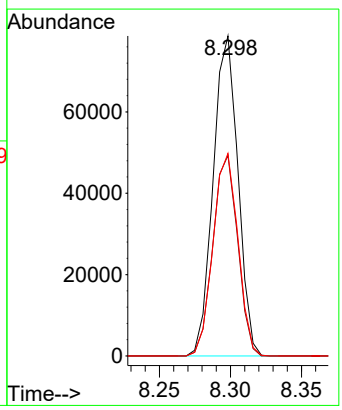


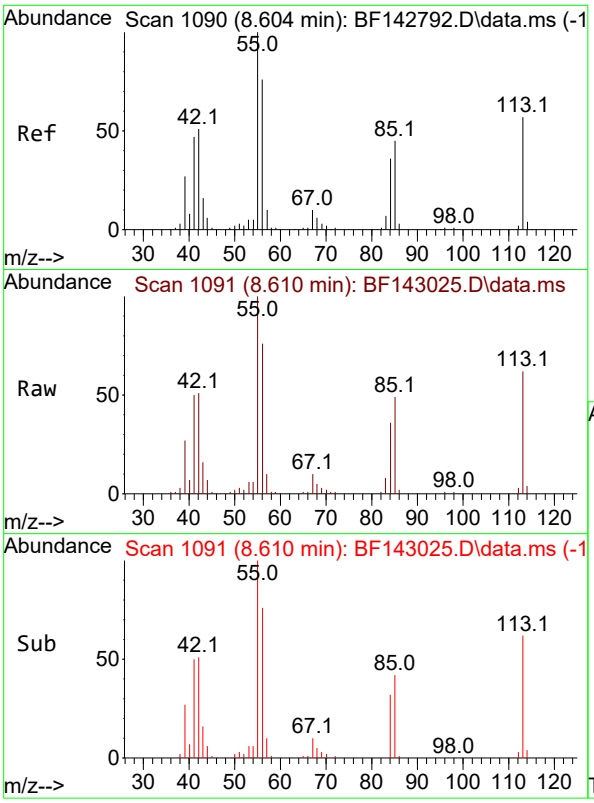




#34
Hexachlorobutadiene
Concen: 39.023 ng
RT: 8.298 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:225 Resp: 95500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.6 | 49.9 | 74.9 |
| 227 | 63.3 | 51.4 | 77.0 |



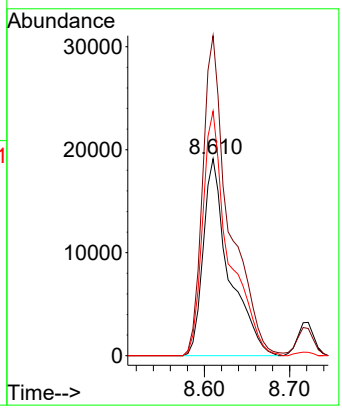


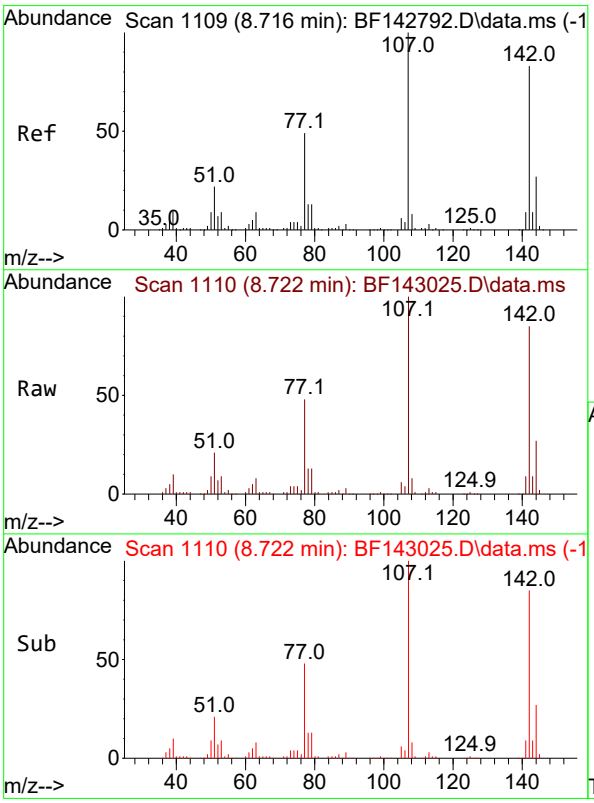

#35
Caprolactam
Concen: 41.901 ng
RT: 8.610 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:113 Resp: 40230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 162.4 | 154.4 | 194.4 |
| 56 | 124.1 | 112.1 | 152.1 |

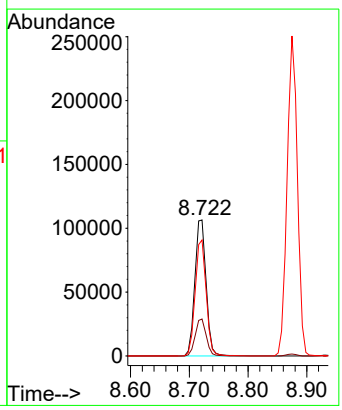


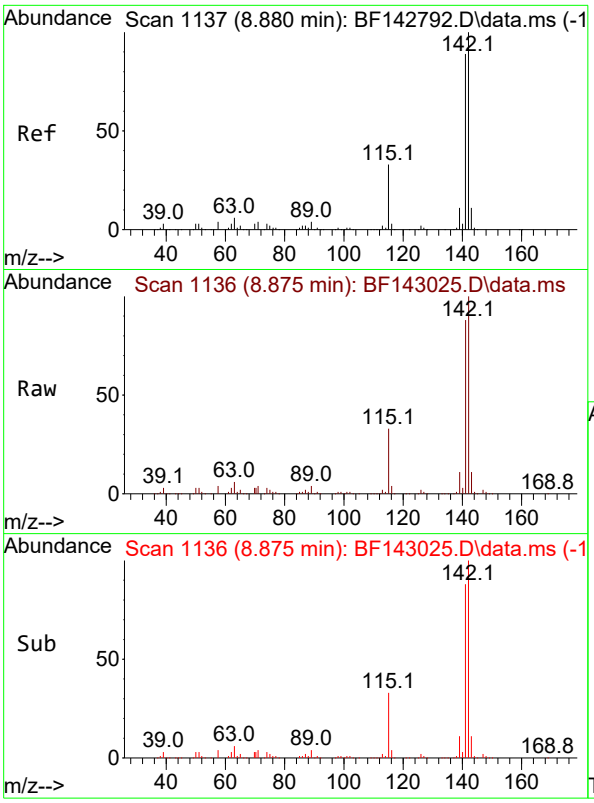




#36
4-Chloro-3-methylphenol
Concen: 39.303 ng
RT: 8.722 min Scan# 1110
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:107 Resp: 142124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 27.2 | 21.3 | 31.9 |
| 142 | 85.2 | 66.6 | 100.0 |



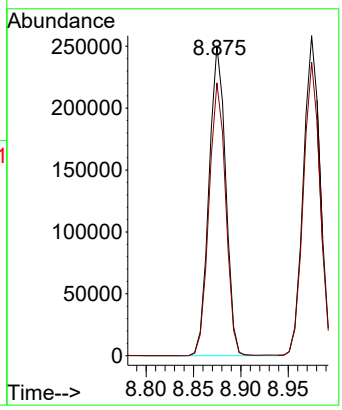


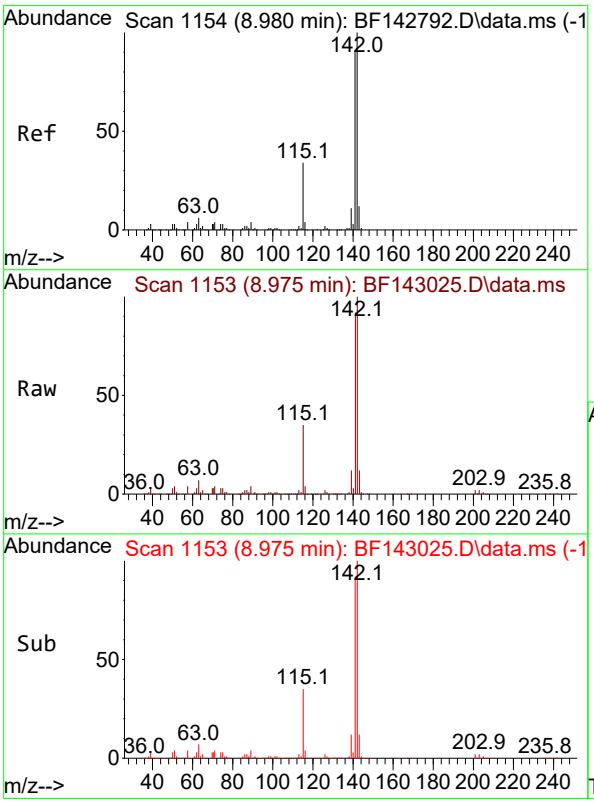

#37
2-Methylnaphthalene
Concen: 39.127 ng
RT: 8.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:142 Resp: 306009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.0 | 70.9 | 106.3 |

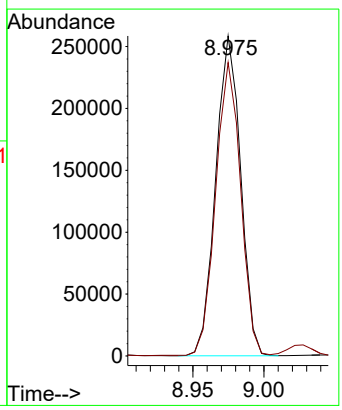


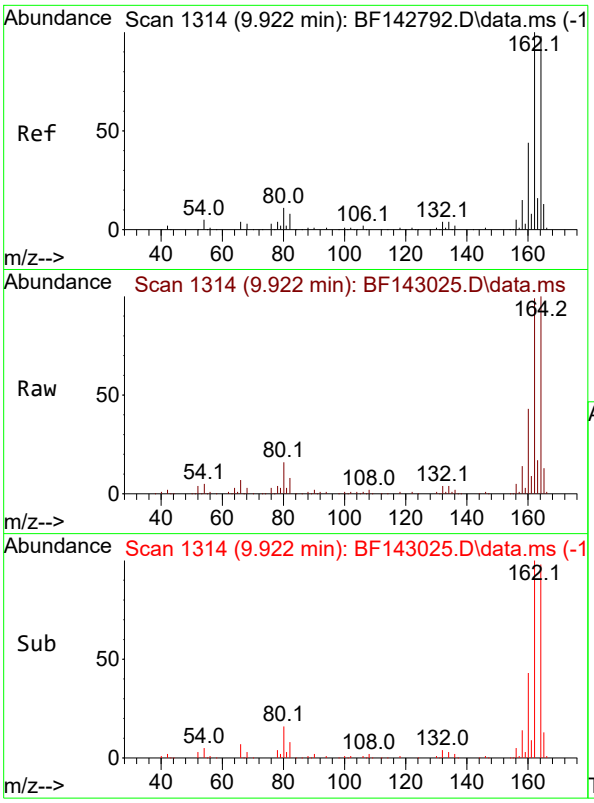




#38
1-Methylnaphthalene
Concen: 38.925 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:142 Resp: 315141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.7 | 73.0 | 109.4 |



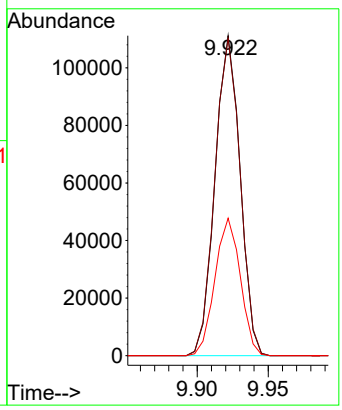


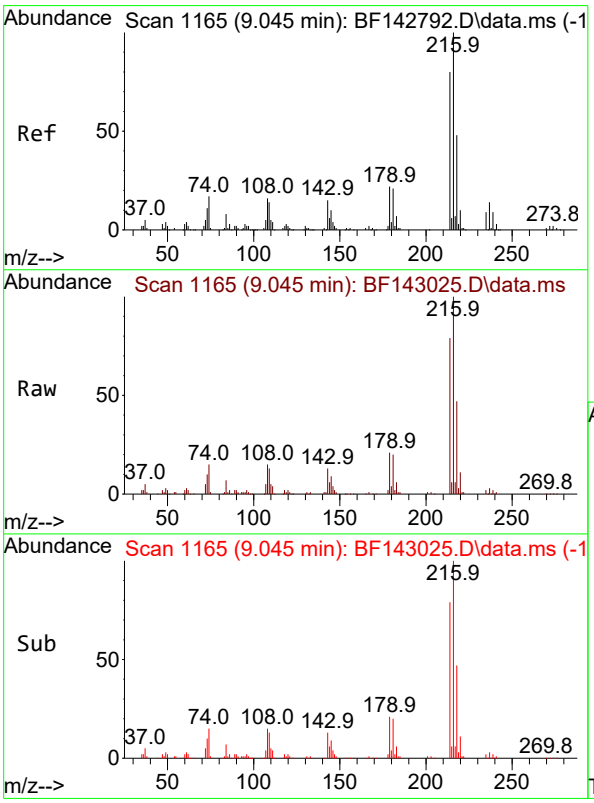

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:164 Resp: 136330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.1 | 81.8 | 122.8 |
| 160 | 43.0 | 36.0 | 54.0 |

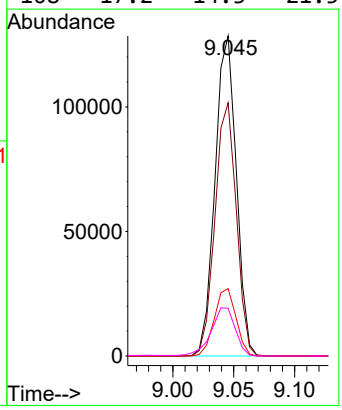


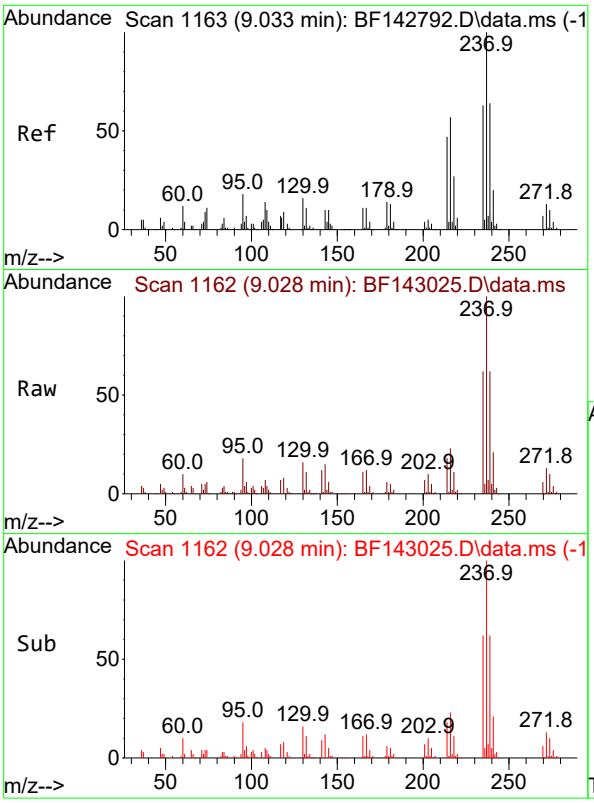




#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.905 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:216 Resp: 156502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.0 | 63.7 | 95.5 |
| 179 | 21.4 | 17.6 | 26.4 |
| 108 | 17.2 | 14.3 | 21.5 |



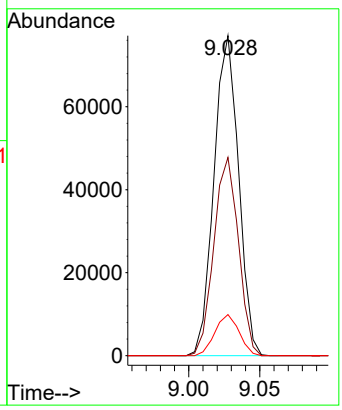


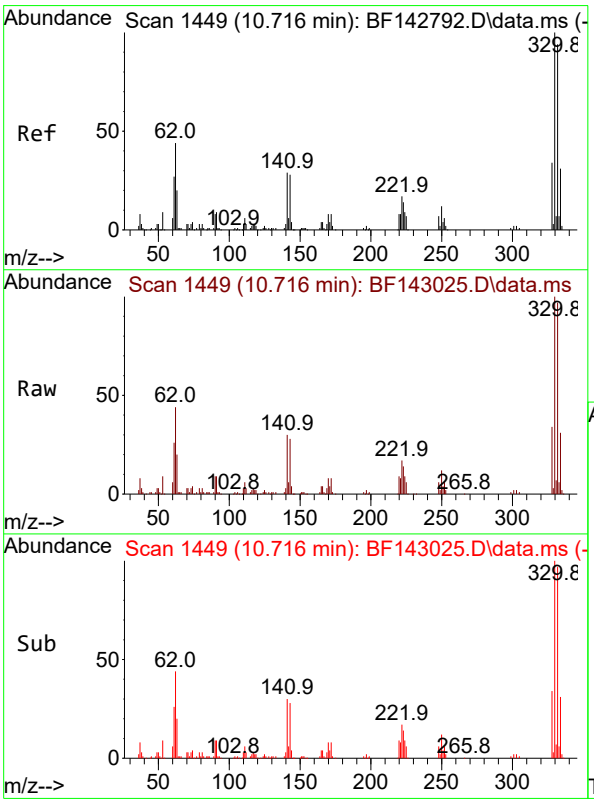

#41
Hexachlorocyclopentadiene
Concen: 40.686 ng
RT: 9.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:237 Resp: 92877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.9 | 43.4 | 83.4 |
| 272 | 12.8 | 0.0 | 32.7 |

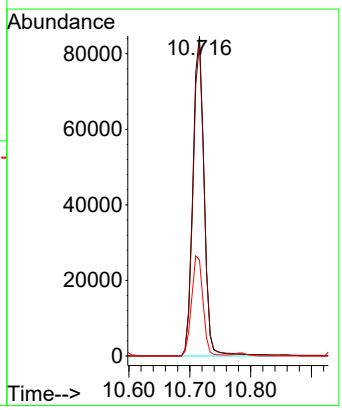


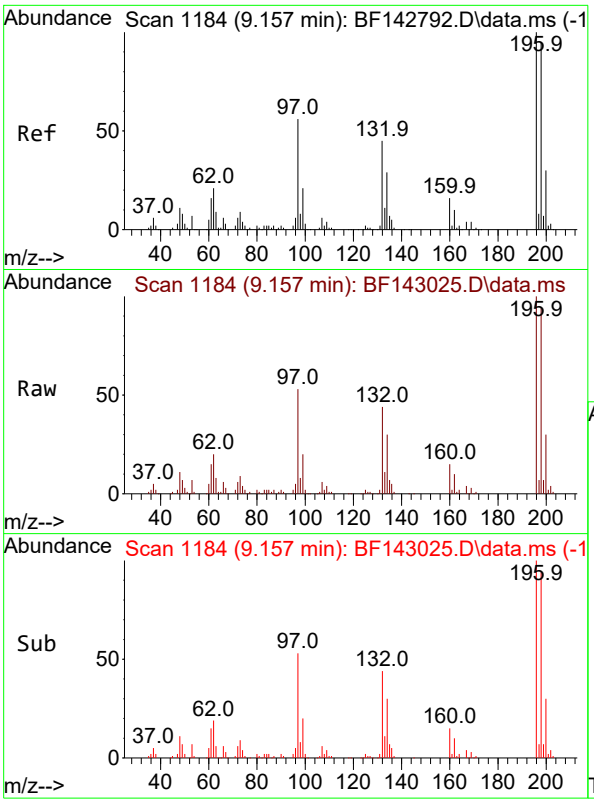




#42
2,4,6-Tribromophenol
Concen: 77.630 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:330 Resp: 108910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.1 | 75.0 | 112.6 |
| 141 | 31.8 | 25.3 | 37.9 |



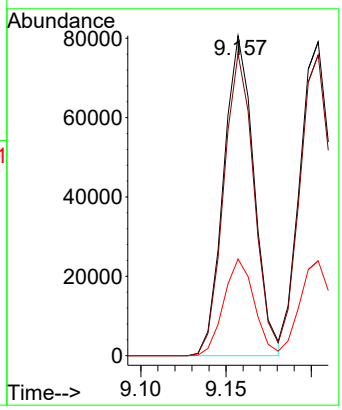


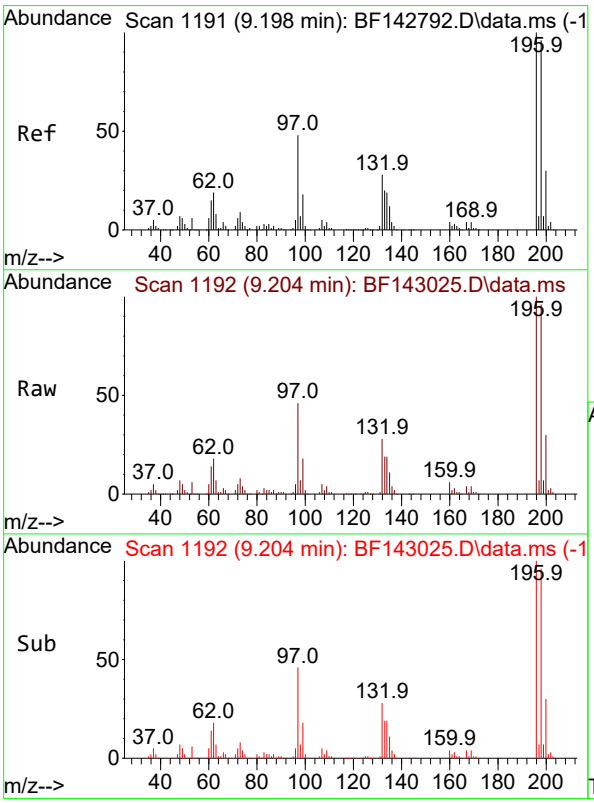

#43
2,4,6-Trichlorophenol
Concen: 38.180 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:196 Resp: 100080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.4 | 76.2 | 114.2 |
| 200 | 30.2 | 24.1 | 36.1 |

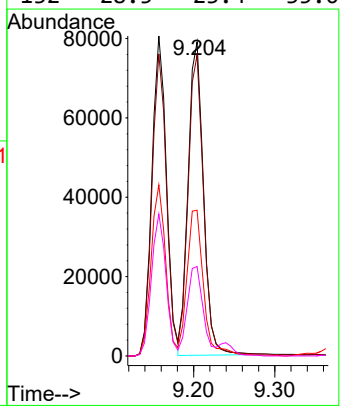


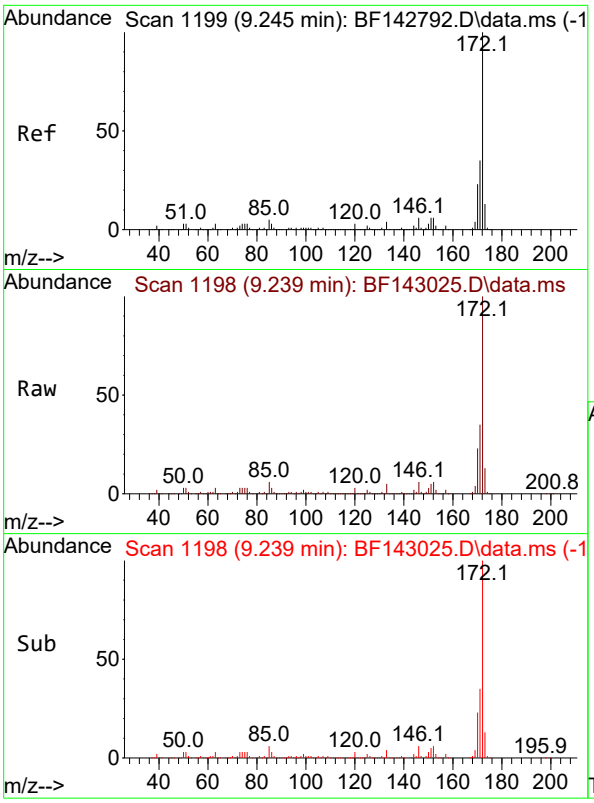




#44
2,4,5-Trichlorophenol
Concen: 37.813 ng
RT: 9.204 min Scan# 1192
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:196 Resp: 104339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.8 | 76.6 | 115.0 |
| 97 | 46.4 | 38.2 | 57.2 |
| 132 | 28.5 | 23.4 | 35.0 |



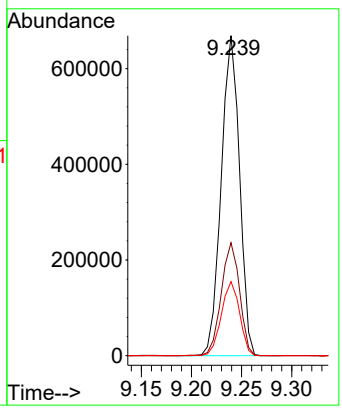


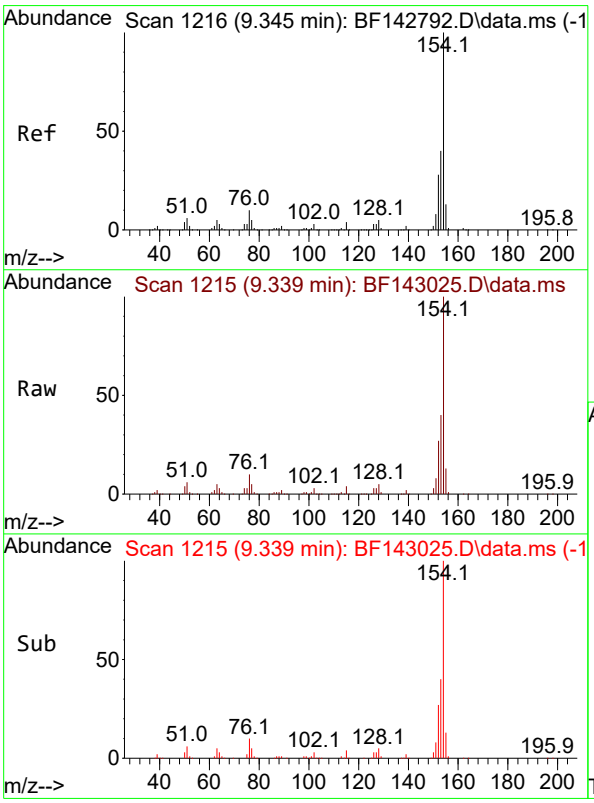

#45
2-Fluorobiphenyl
Concen: 81.561 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:172 Resp: 846426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.2 | 42.4 |
| 170 | 23.2 | 18.5 | 27.7 |

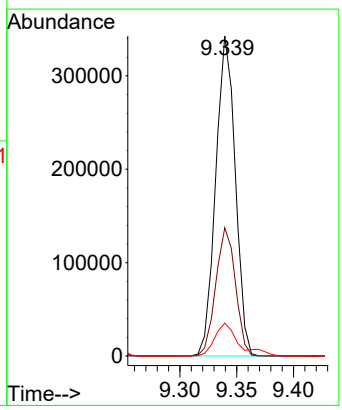


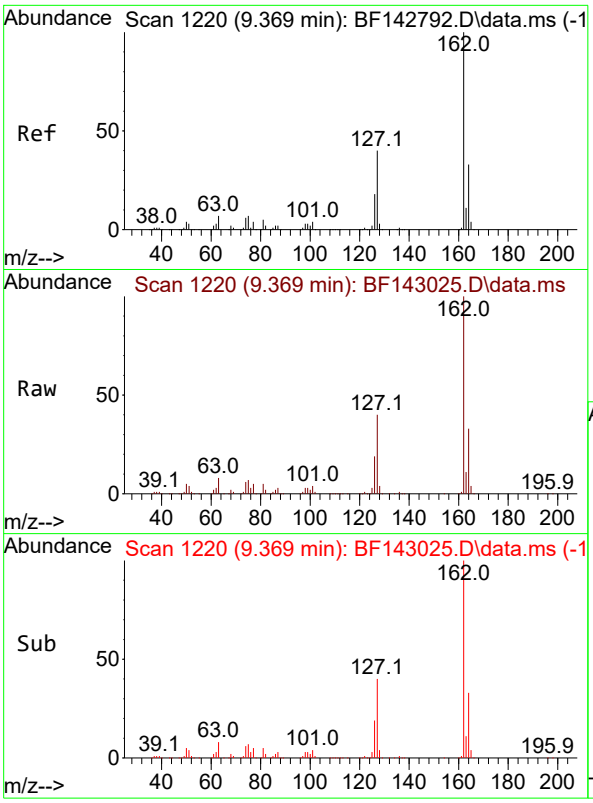




#46
1,1'-Biphenyl
Concen: 38.145 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:154 Resp: 410792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.1 | 20.3 | 60.3 |
| 76 | 10.2 | 0.0 | 30.3 |



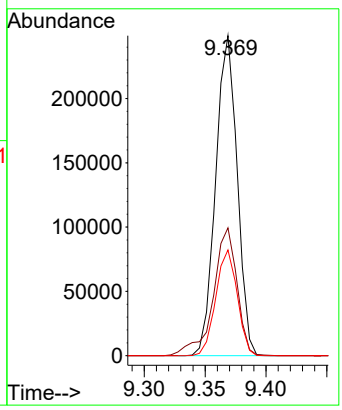


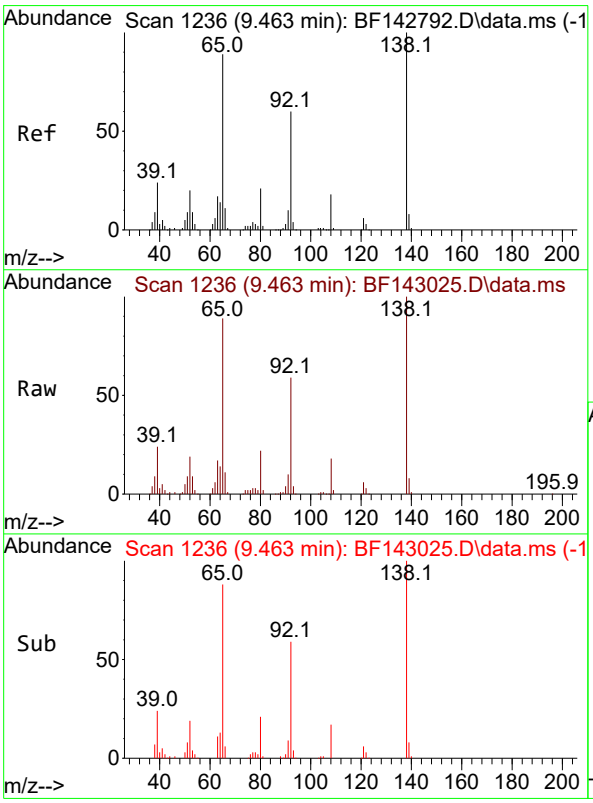

#47
2-Chloronaphthalene
Concen: 37.941 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 306622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 40.0 | 32.2 | 48.2 |
| 164 | 33.1 | 26.1 | 39.1 |

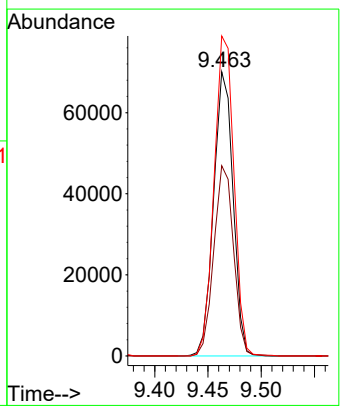


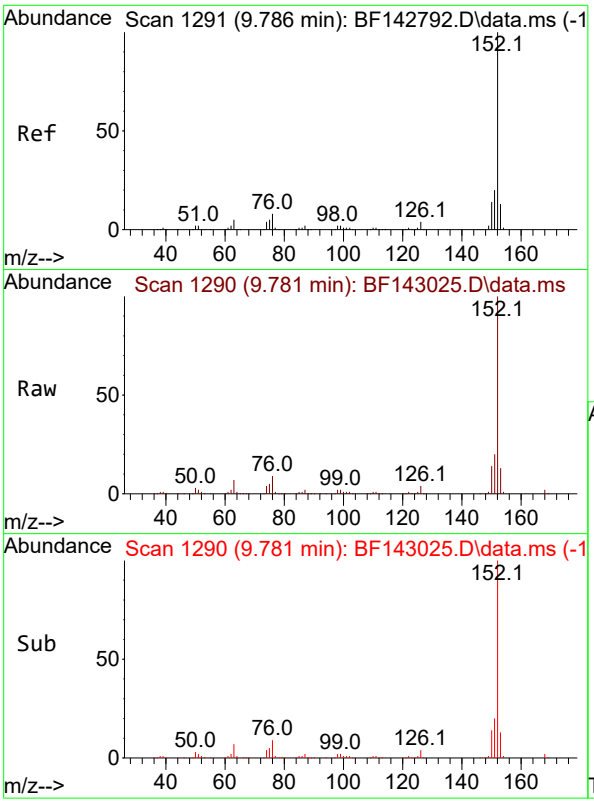




#48
2-Nitroaniline
Concen: 39.256 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion: 65 Resp: 88943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 66.9 | 53.8 | 80.6 |
| 138 | 112.6 | 89.6 | 134.4 |



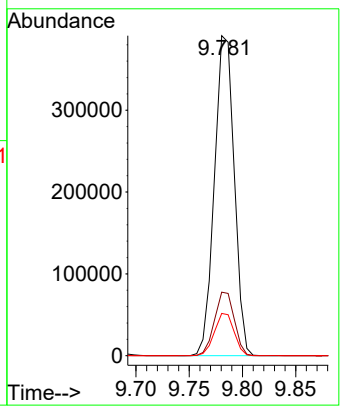


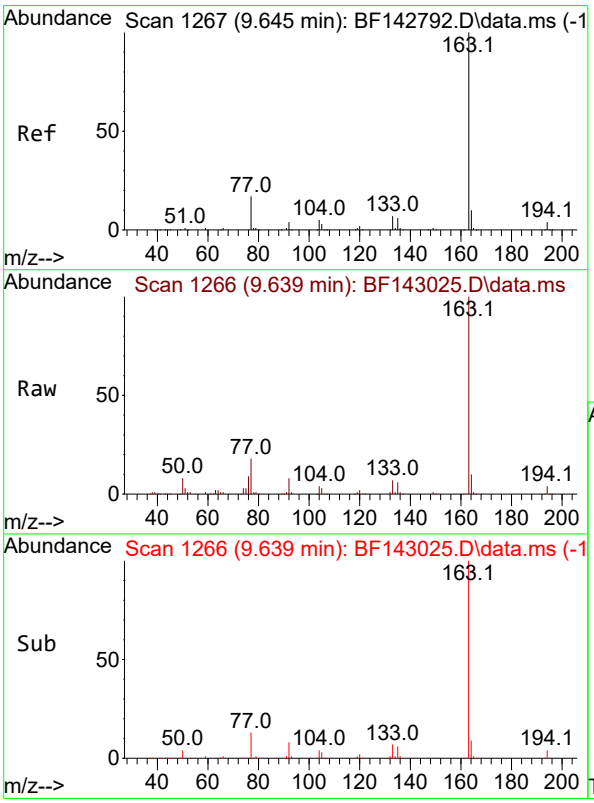

#49
Acenaphthylene
Concen: 37.997 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 505519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 16.1 | 24.1 |
| 153 | 13.2 | 10.4 | 15.6 |

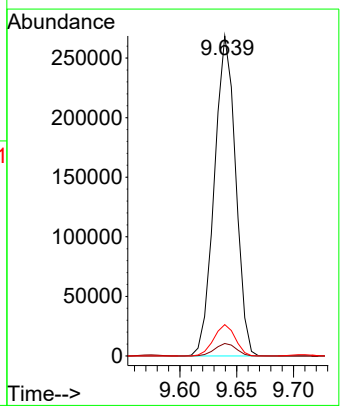


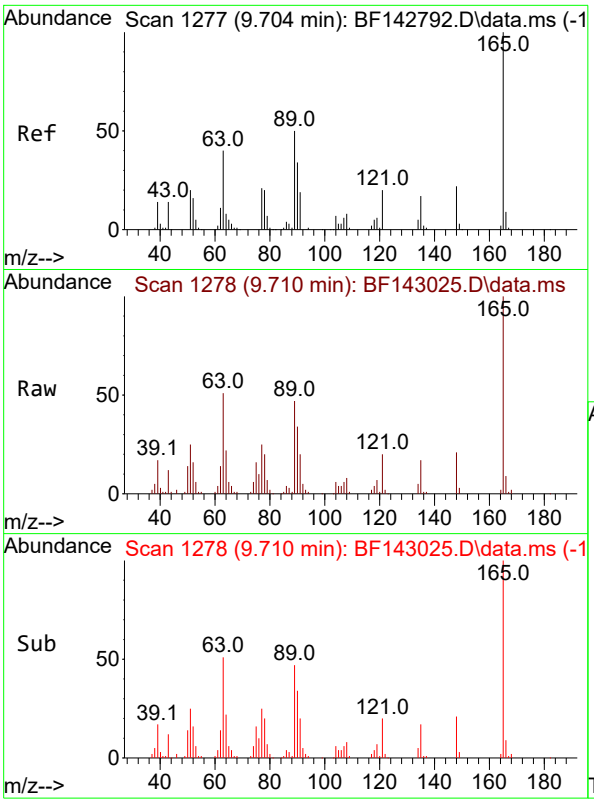




#50
Dimethylphthalate
Concen: 39.752 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:163 Resp: 350801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.3 | 4.9 |
| 164 | 9.8 | 8.0 | 12.0 |



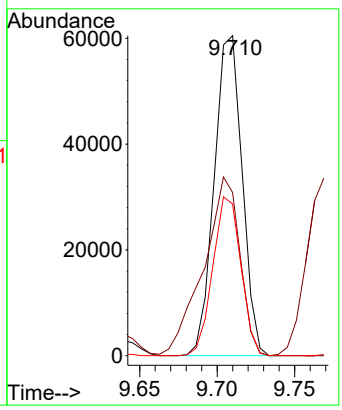


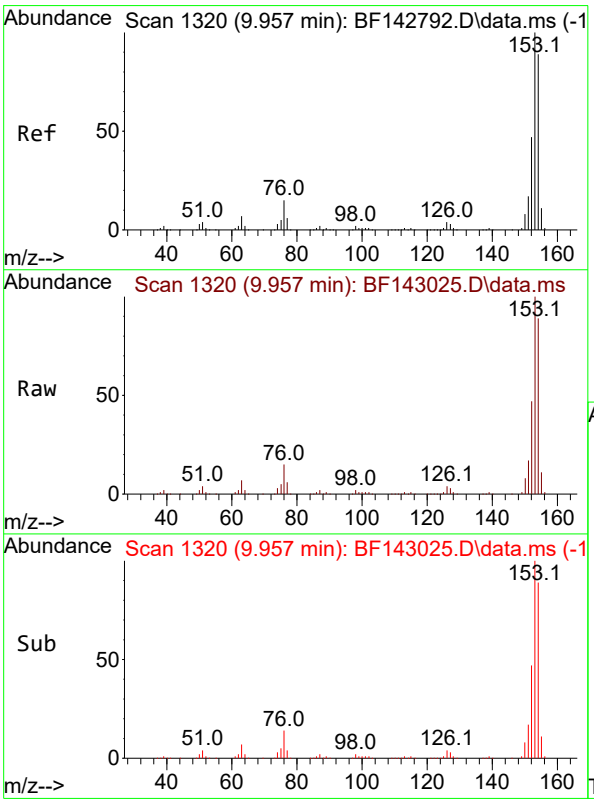

#51
2,6-Dinitrotoluene
Concen: 39.188 ng
RT: 9.710 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 75946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 51.0 | 44.2 | 66.4 |
| 89 | 47.4 | 39.8 | 59.8 |

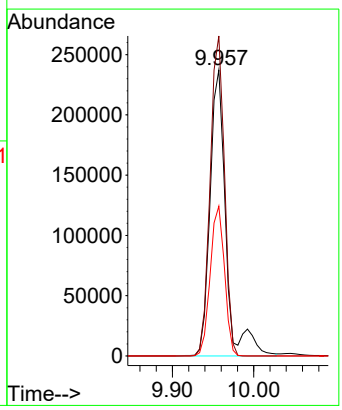


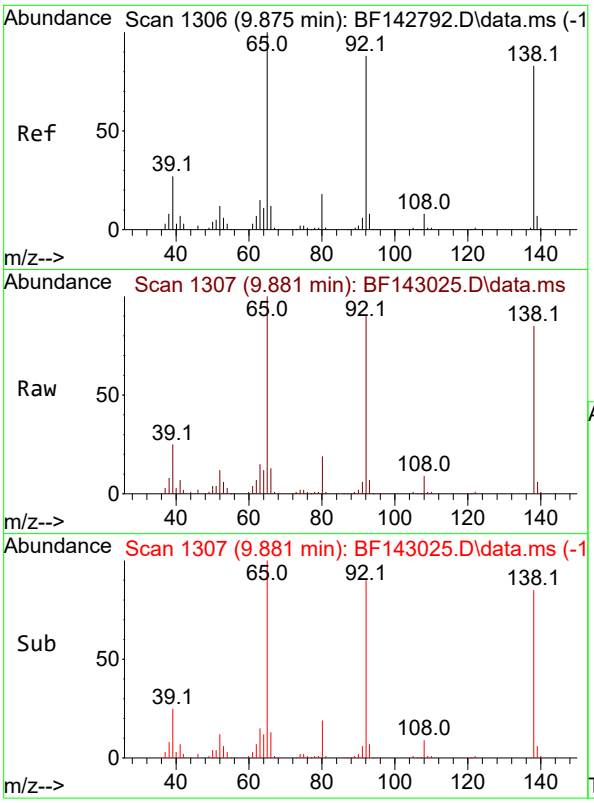




#52
Acenaphthene
Concen: 39.643 ng m
RT: 9.957 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:154 Resp: 321787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.9 | 90.0 | 135.0 |
| 152 | 52.4 | 41.9 | 62.9 |



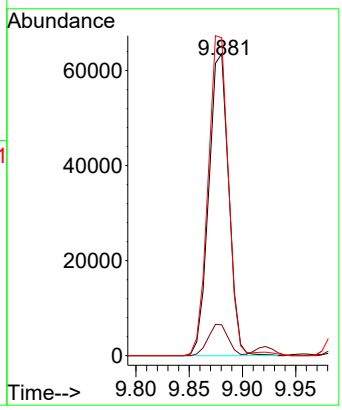


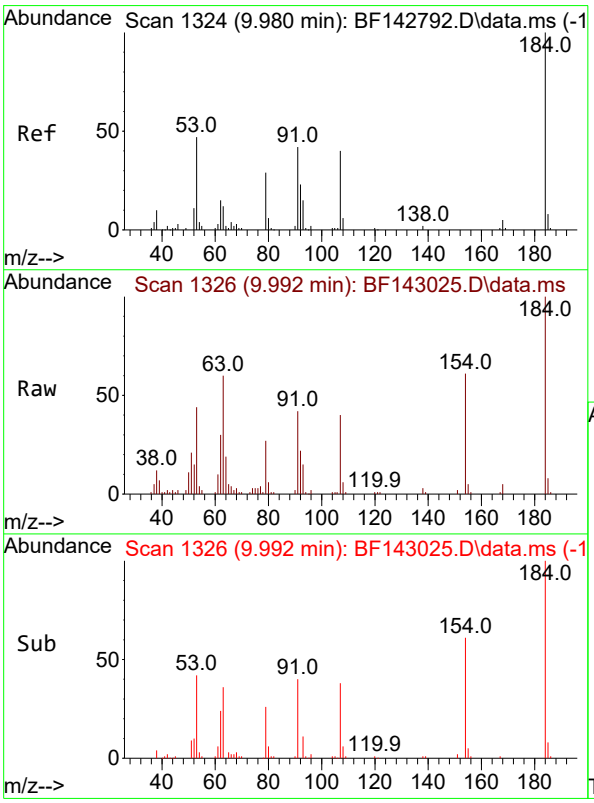

#53
3-Nitroaniline
Concen: 38.881 ng
RT: 9.881 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:138 Resp: 82962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.2 | 8.1 | 12.1 |
| 92 | 105.3 | 85.1 | 127.7 |

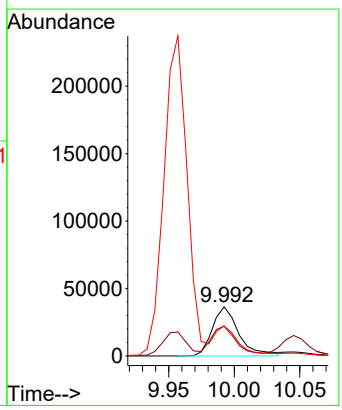


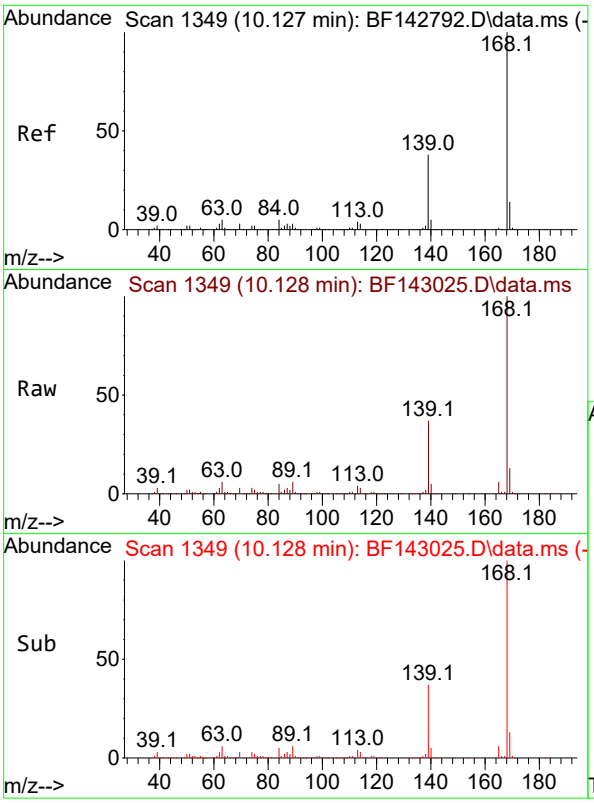




#54
2,4-Dinitrophenol
Concen: 52.757 ng
RT: 9.992 min Scan# 1326
Delta R.T. 0.012 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:184 Resp: 51195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 60.4 | 50.6 | 75.8 |
| 154 | 61.1 | 51.8 | 77.8 |



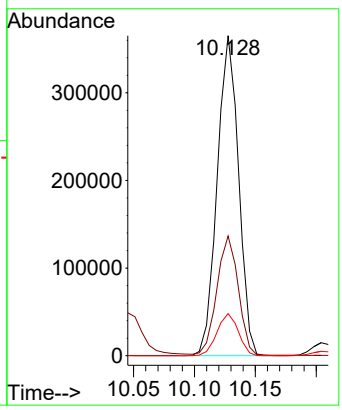


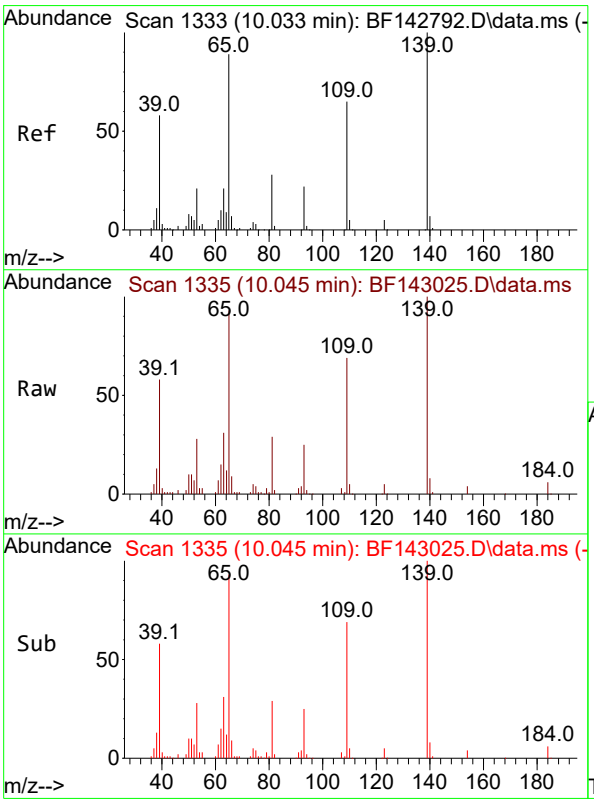

#55
Dibenzofuran
Concen: 38.268 ng
RT: 10.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:168 Resp: 445423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.4 | 30.2 | 45.4 |
| 169 | 13.2 | 10.8 | 16.2 |

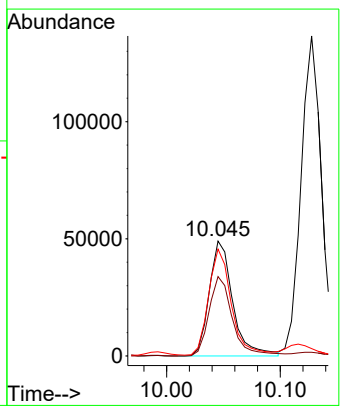


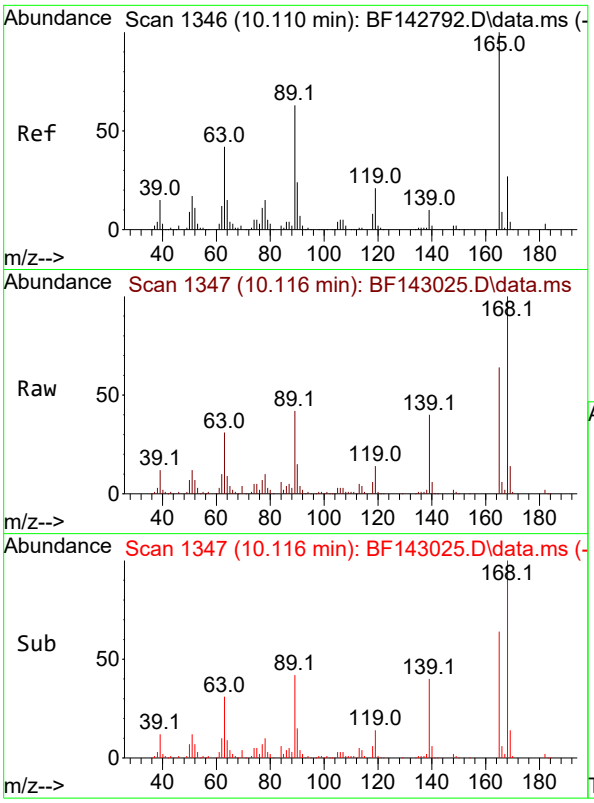




#56
4-Nitrophenol
Concen: 48.300 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.012 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:139 Resp: 70555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 69.1 | 44.7 | 84.7 |
| 65 | 93.1 | 69.8 | 109.8 |



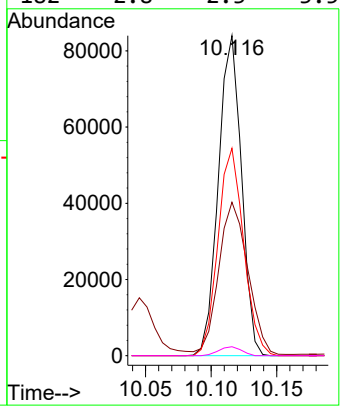


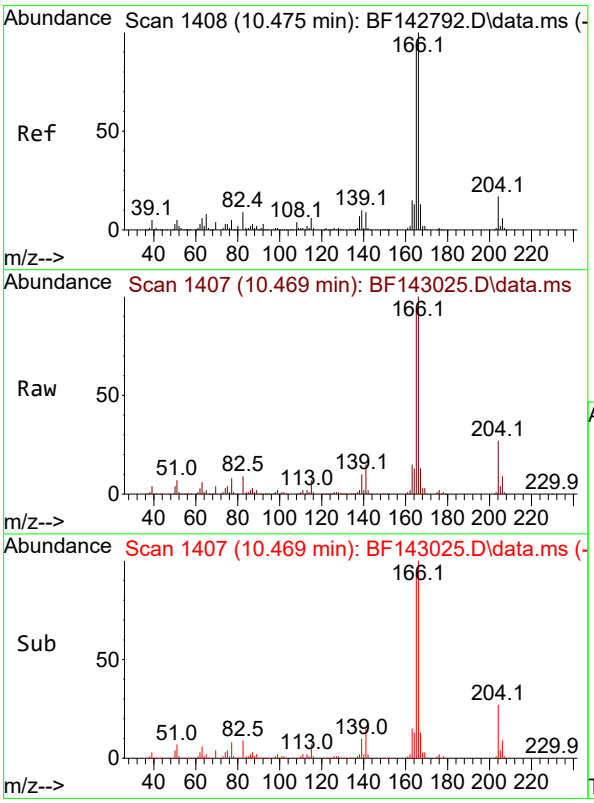

#57
2,4-Dinitrotoluene
Concen: 39.860 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 102608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 48.0 | 33.9 | 50.9 |
| 89 | 64.8 | 50.6 | 75.8 |
| 182 | 2.8 | 2.3 | 3.5 |

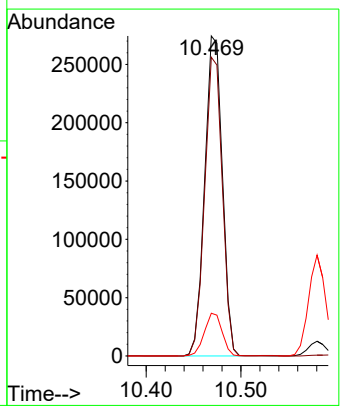


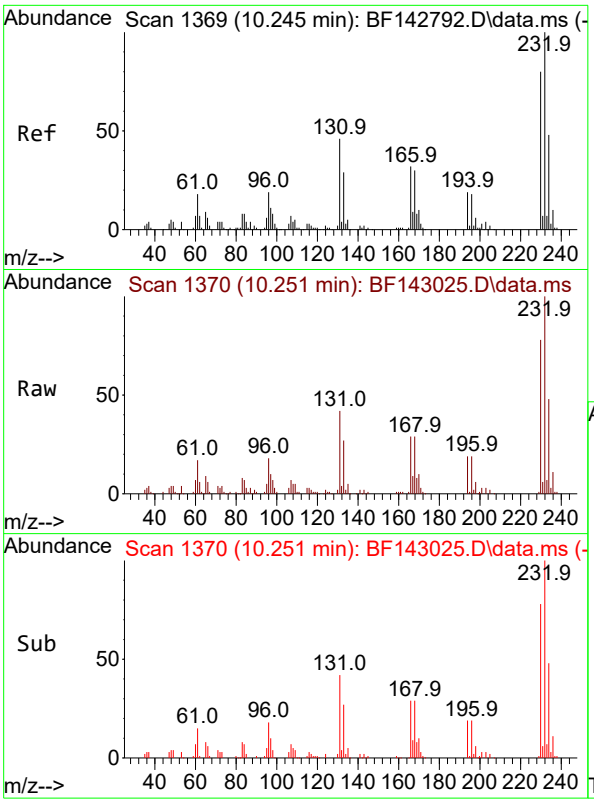




#58
Fluorene
Concen: 39.038 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:166 Resp: 354875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.3 | 75.2 | 112.8 |
| 167 | 13.4 | 10.6 | 15.8 |



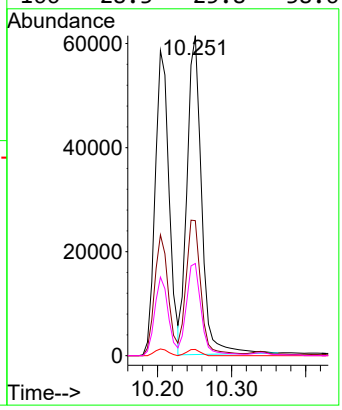


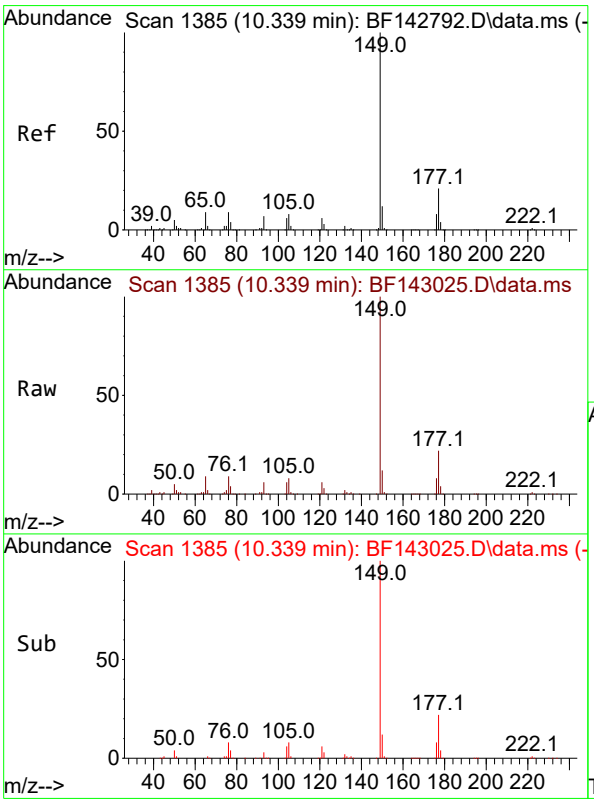

#59
2,3,4,6-Tetrachlorophenol
Concen: 37.618 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:232 Resp: 83670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 43.0 | 37.6 | 56.4 |
| 130 | 1.8 | 1.7 | 2.5 |
| 166 | 28.3 | 25.8 | 38.6 |

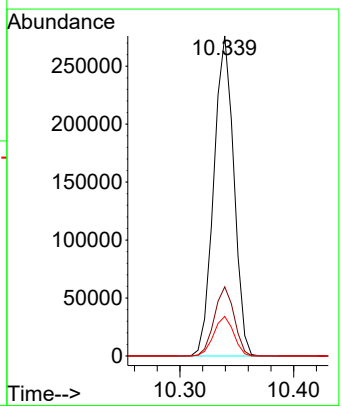


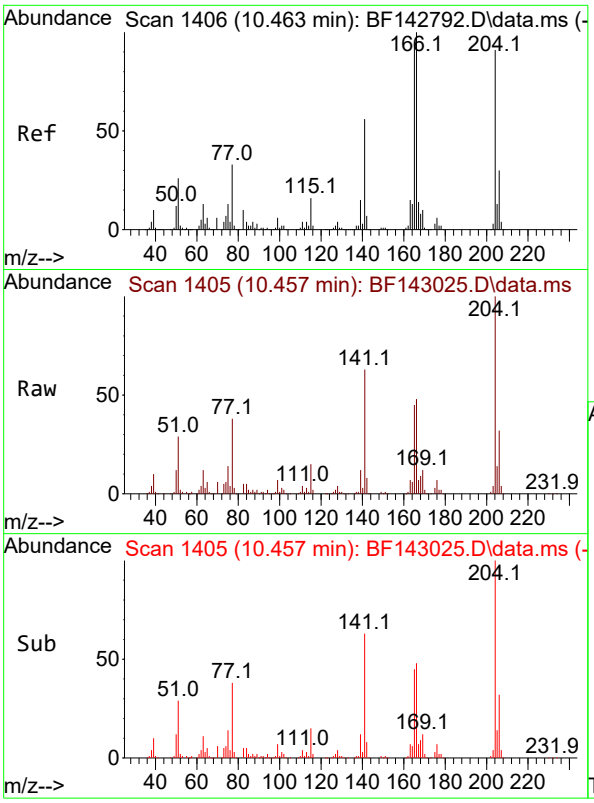




#60
Diethylphthalate
Concen: 39.111 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:149 Resp: 338403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.6 | 17.0 | 25.6 |
| 150 | 12.4 | 9.8 | 14.6 |



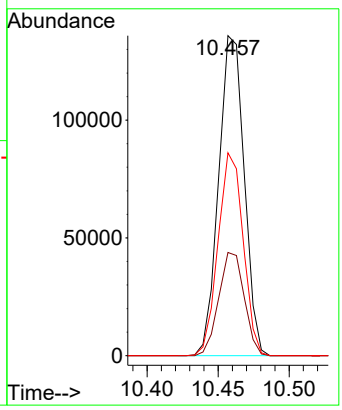


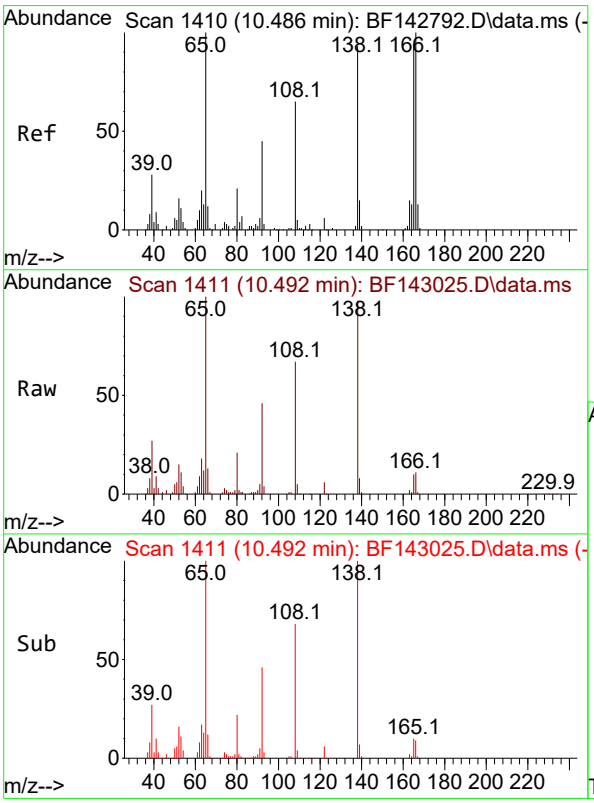

#61
4-Chlorophenyl-phenylether
Concen: 39.156 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:204 Resp: 169854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.3 | 26.3 | 39.5 |
| 141 | 63.4 | 49.1 | 73.7 |

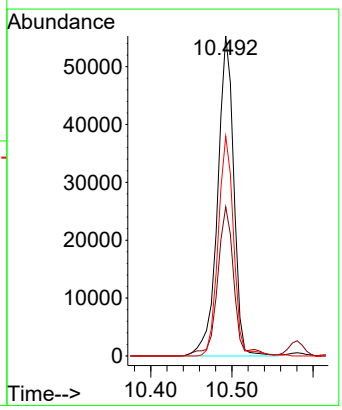


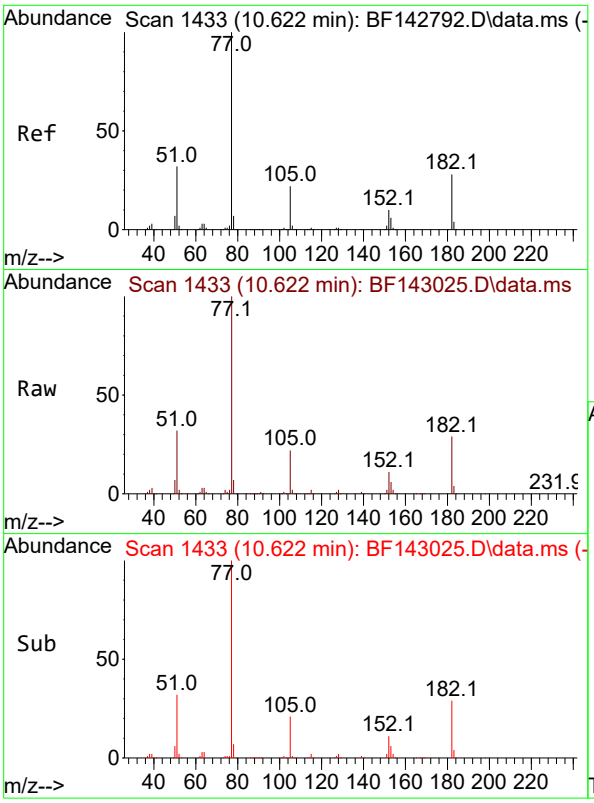




#62
4-Nitroaniline
Concen: 39.365 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:138 Resp: 76818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 46.6 | 28.4 | 68.4 |
| 108 | 68.7 | 50.2 | 90.2 |



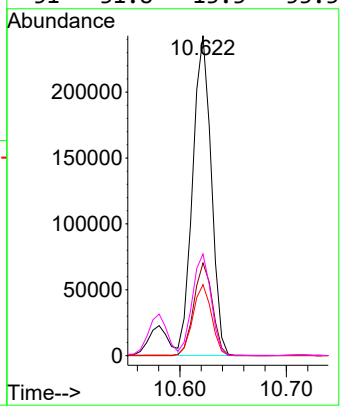


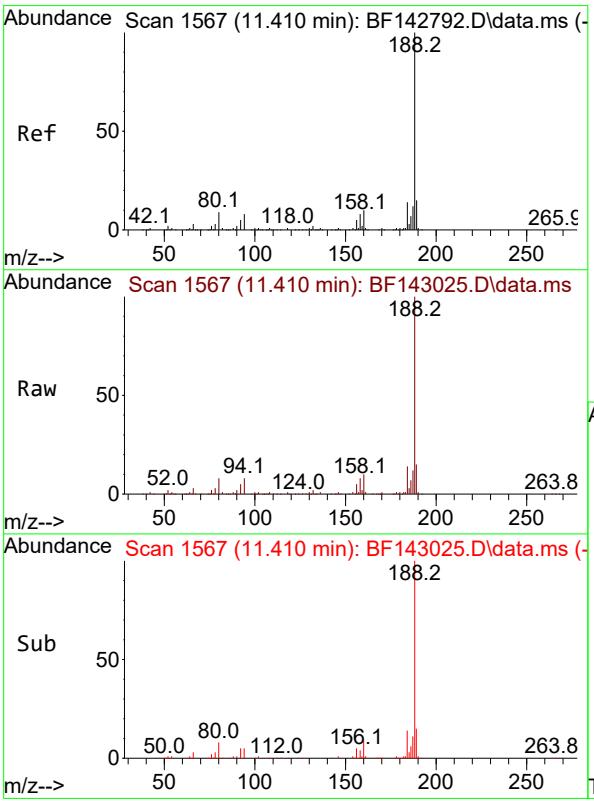

#63
Azobenzene
Concen: 37.977 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 293688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.9 | 7.7 | 47.7 |
| 105 | 22.2 | 1.9 | 41.9 |
| 51 | 31.8 | 13.3 | 53.3 |

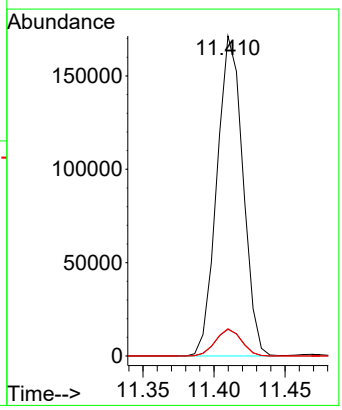


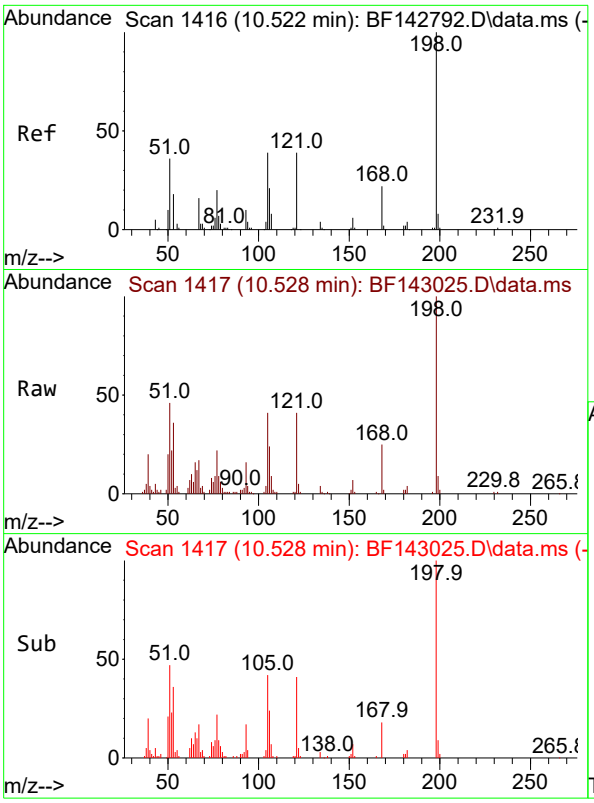




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:188 Resp: 218169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.3 | 6.7 | 10.1 |
| 80 | 8.5 | 6.9 | 10.3 |



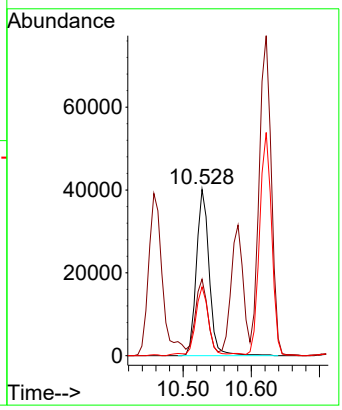


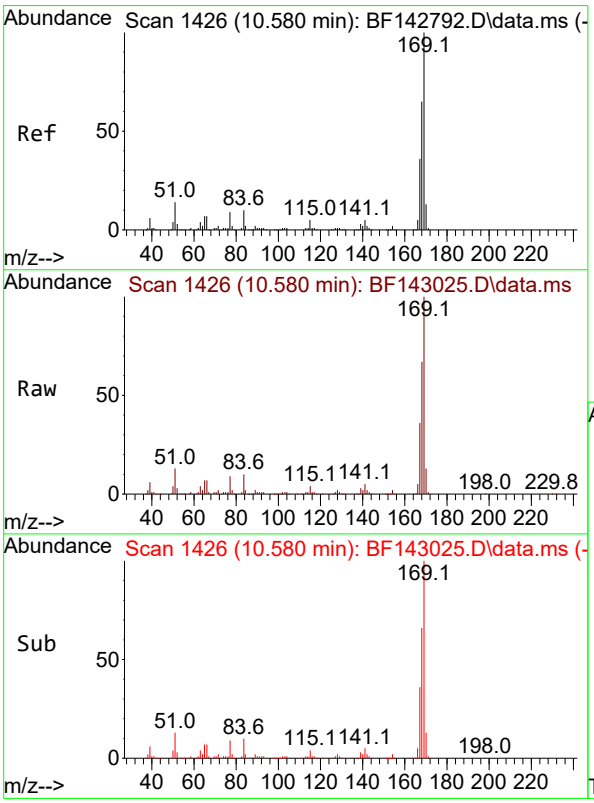

#65
4,6-Dinitro-2-methylphenol
Concen: 39.580 ng
RT: 10.528 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:198 Resp: 52231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 46.0 | 25.4 | 65.4 |
| 105 | 41.4 | 20.4 | 60.4 |

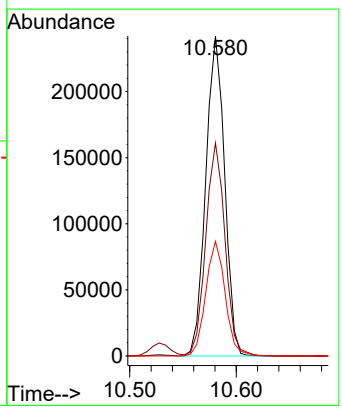


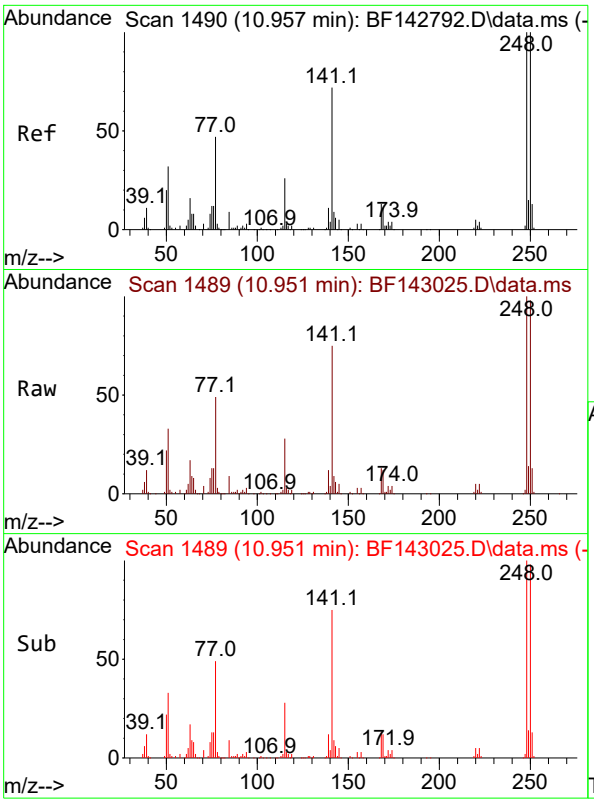




#66
n-Nitrosodiphenylamine
Concen: 39.436 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:169 Resp: 298183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.6 | 51.9 | 77.9 |
| 167 | 35.8 | 28.5 | 42.7 |



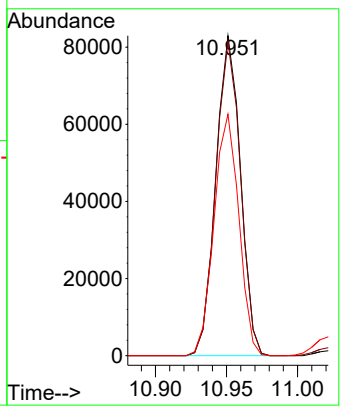


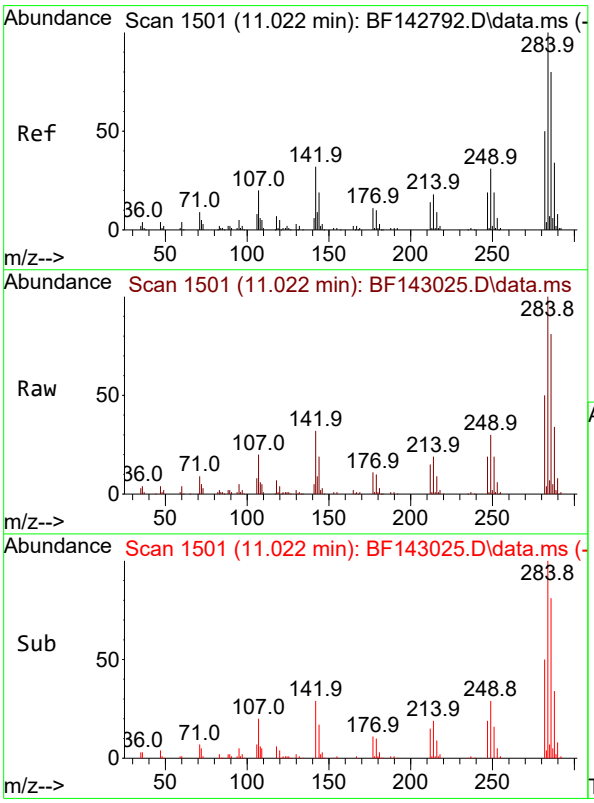

#67
4-Bromophenyl-phenylether
Concen: 40.413 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:248 Resp: 100343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.1 | 79.8 | 119.8 |
| 141 | 75.5 | 57.8 | 86.6 |

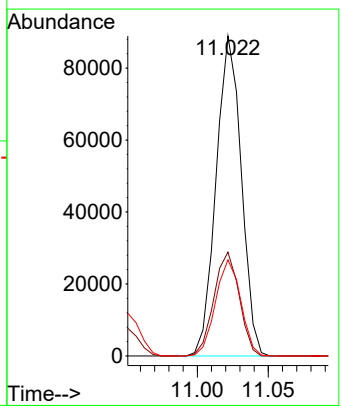


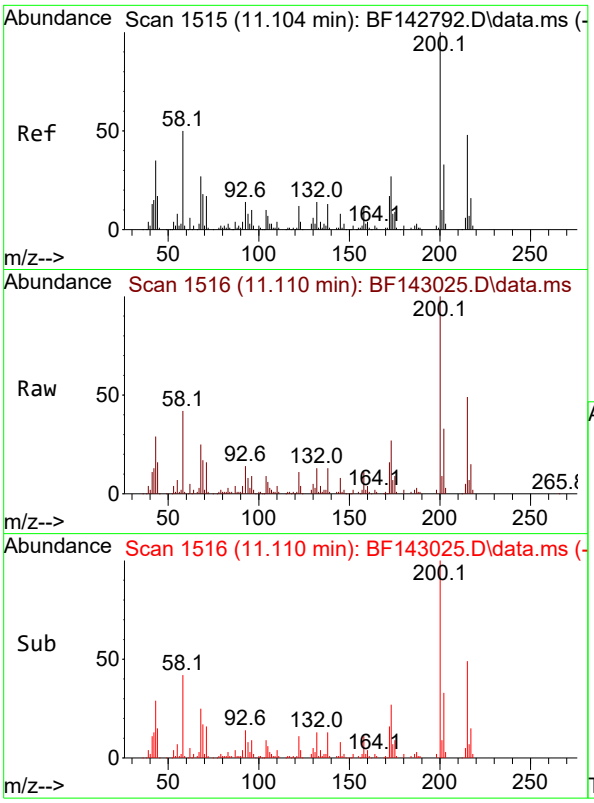




#68
Hexachlorobenzene
Concen: 39.689 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:284 Resp: 109501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.5 | 25.5 | 38.3 |
| 249 | 30.0 | 24.9 | 37.3 |



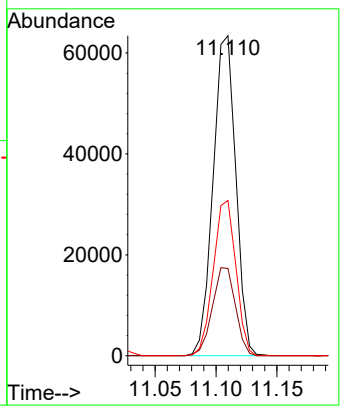


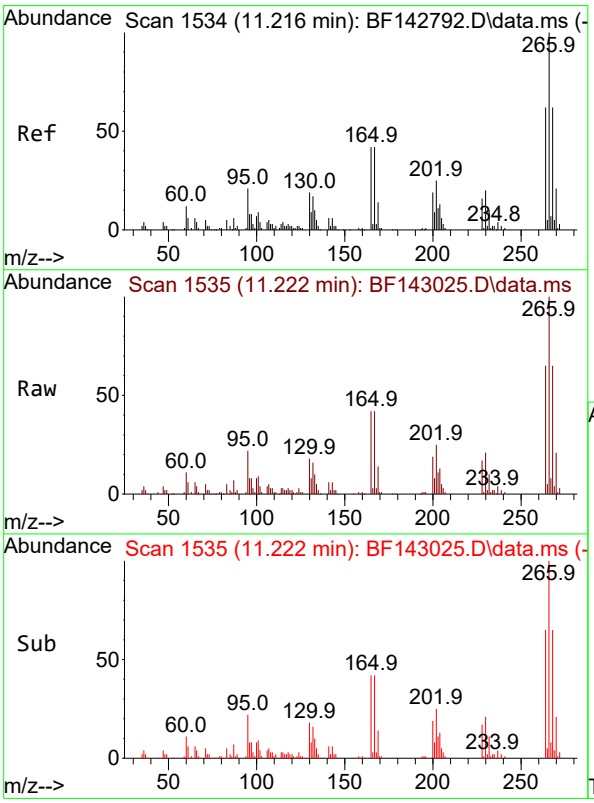

#69
Atrazine
Concen: 42.266 ng
RT: 11.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:200 Resp: 82526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.3 | 7.4 | 47.4 |
| 215 | 48.5 | 28.4 | 68.4 |

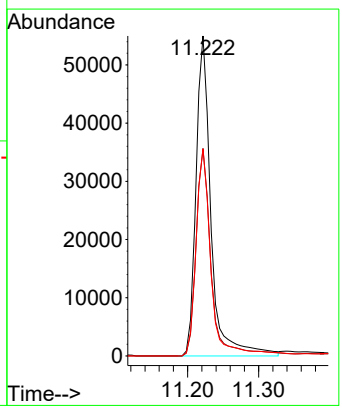


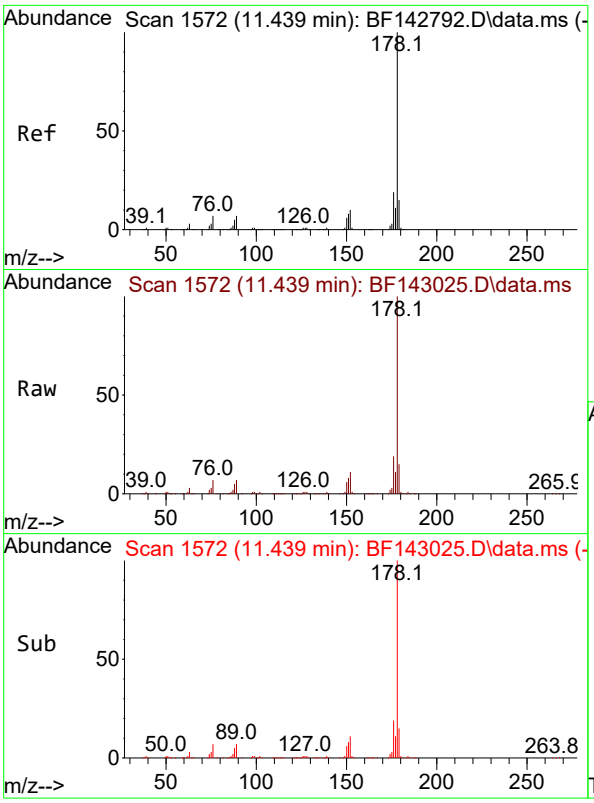




#70
Pentachlorophenol
Concen: 58.845 ng
RT: 11.222 min Scan# 1535
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:266 Resp: 80900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.8 | 49.8 | 74.8 |
| 264 | 64.7 | 49.9 | 74.9 |



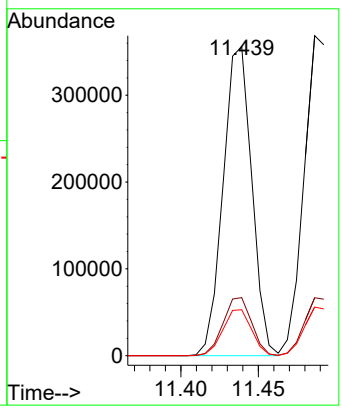


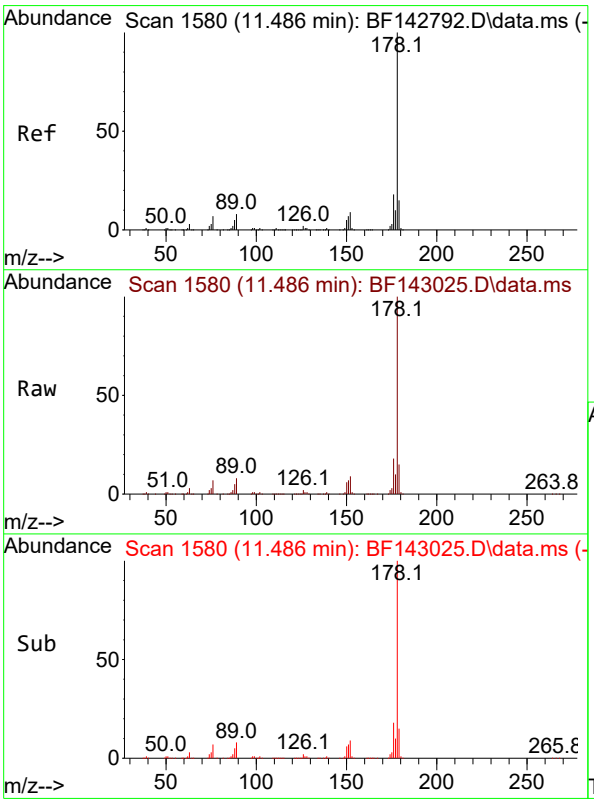

#71
Phenanthrene
Concen: 38.822 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:178 Resp: 458805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.1 | 22.7 |
| 179 | 14.9 | 12.0 | 18.0 |

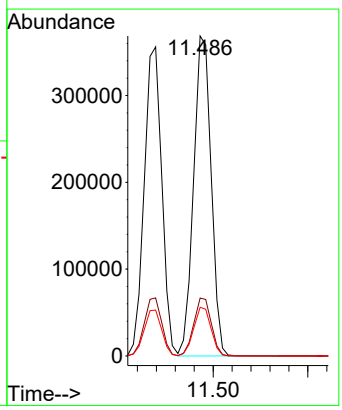


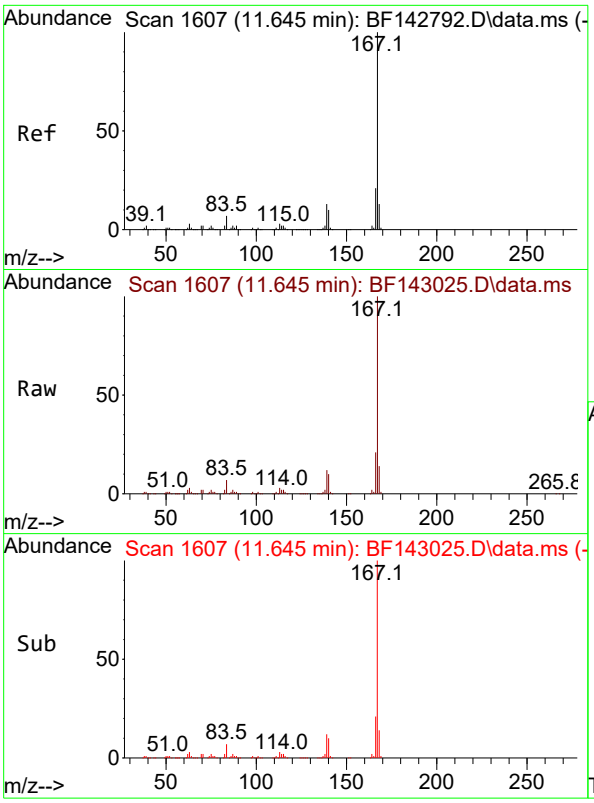




#72
Anthracene
Concen: 39.196 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:178 Resp: 475083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.1 | 14.6 | 21.8 |
| 179 | 15.2 | 12.4 | 18.6 |



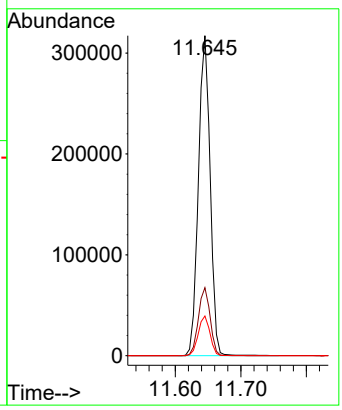


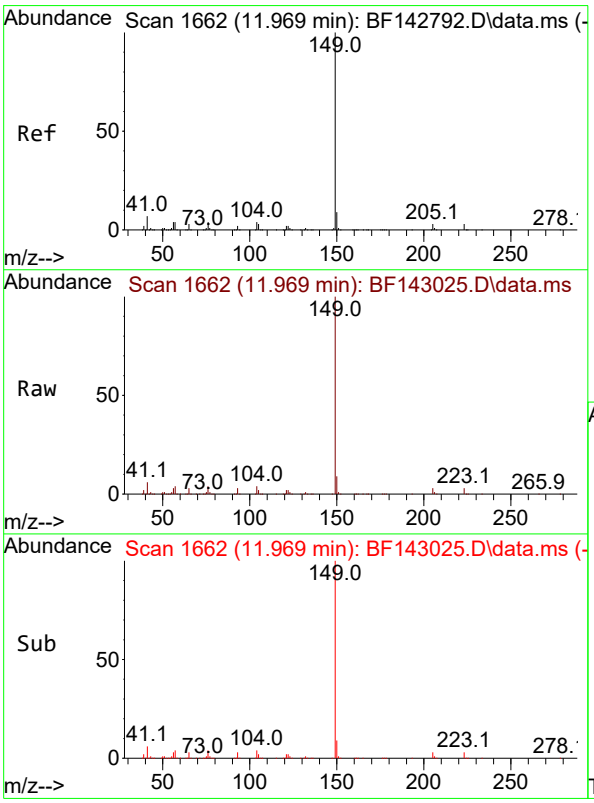

#73
Carbazole
Concen: 37.887 ng
RT: 11.645 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:167 Resp: 396286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.2 | 17.0 | 25.4 |
| 139 | 12.4 | 10.2 | 15.2 |

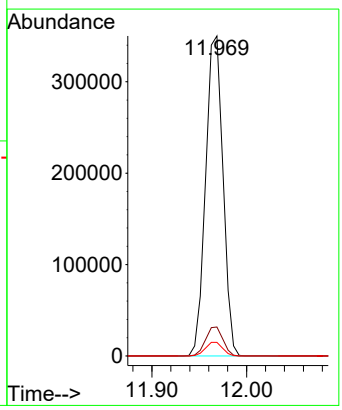


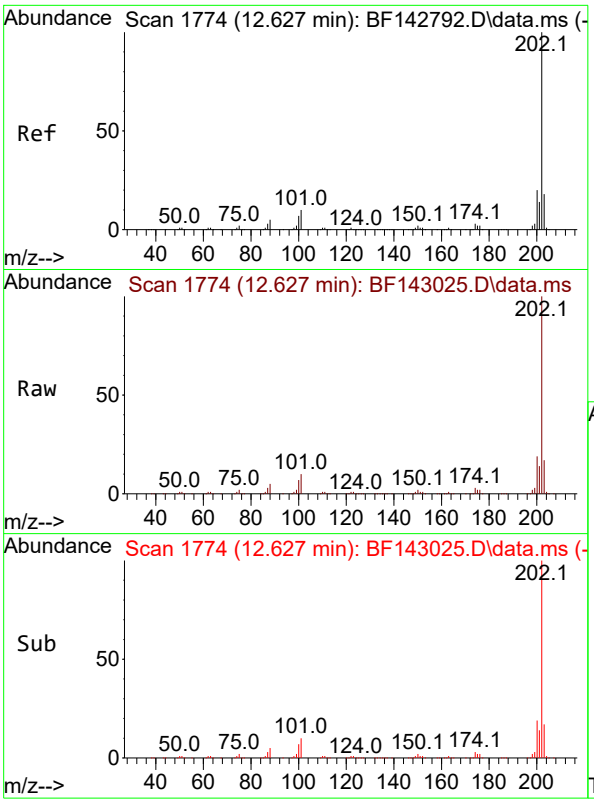




#74
Di-n-butylphthalate
Concen: 40.919 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:149 Resp: 445869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.4 | 11.0 |
| 104 | 4.2 | 3.5 | 5.3 |



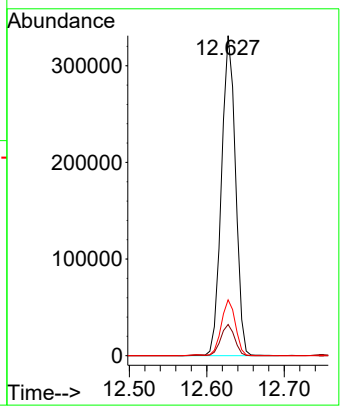


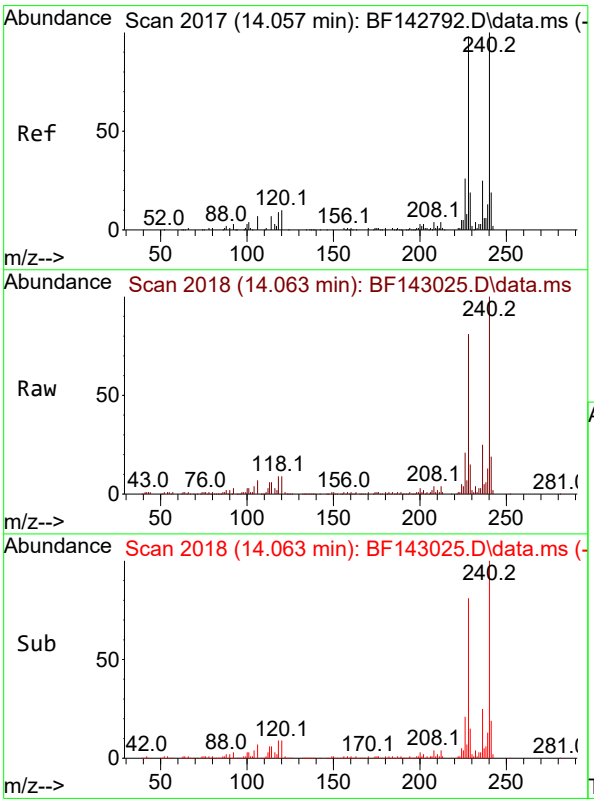

#75
Fluoranthene
Concen: 37.322 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:202 Resp: 418605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.8 | 0.0 | 29.7 |
| 203 | 17.4 | 0.0 | 37.5 |

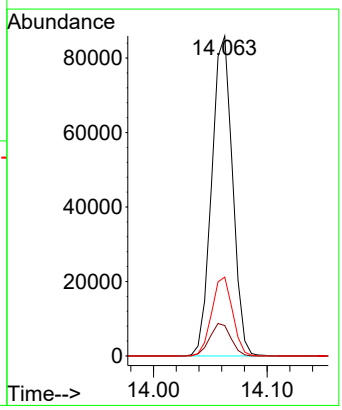


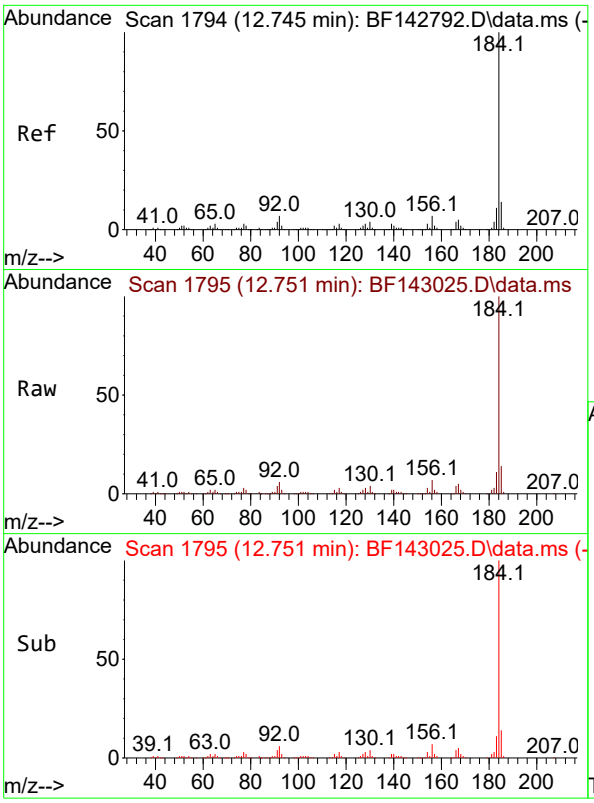




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:240 Resp: 109391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.5 | 8.2 | 12.2 |
| 236 | 24.6 | 19.8 | 29.8 |



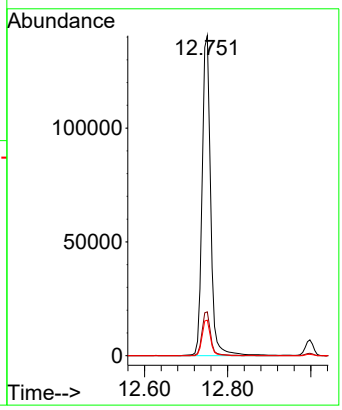


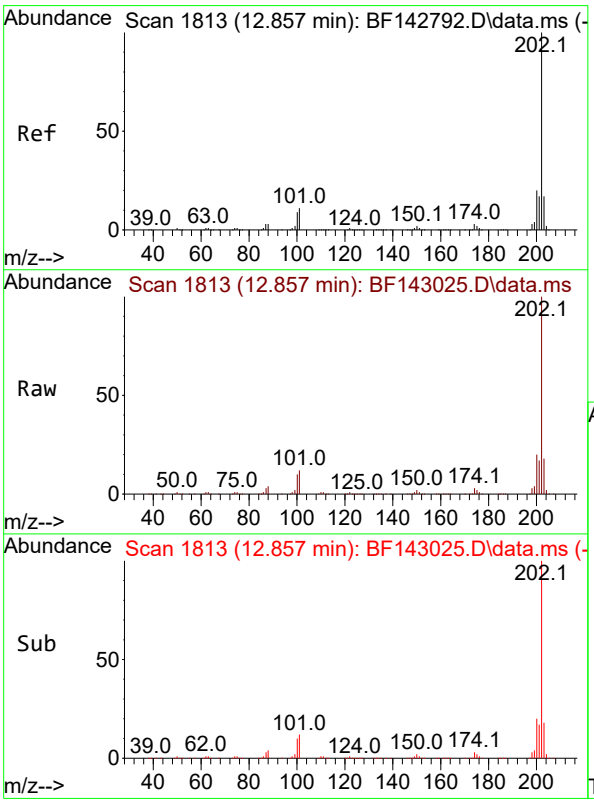

#77
Benzidine
Concen: 48.779 ng
RT: 12.751 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:184 Resp: 200477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.7 | 11.5 | 17.3 |
| 183 | 11.1 | 9.0 | 13.4 |

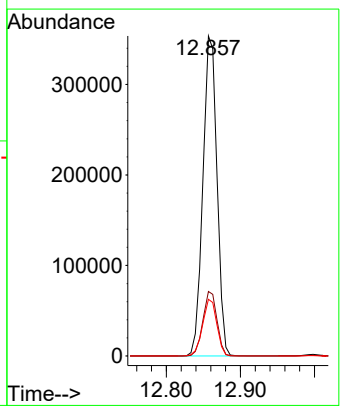


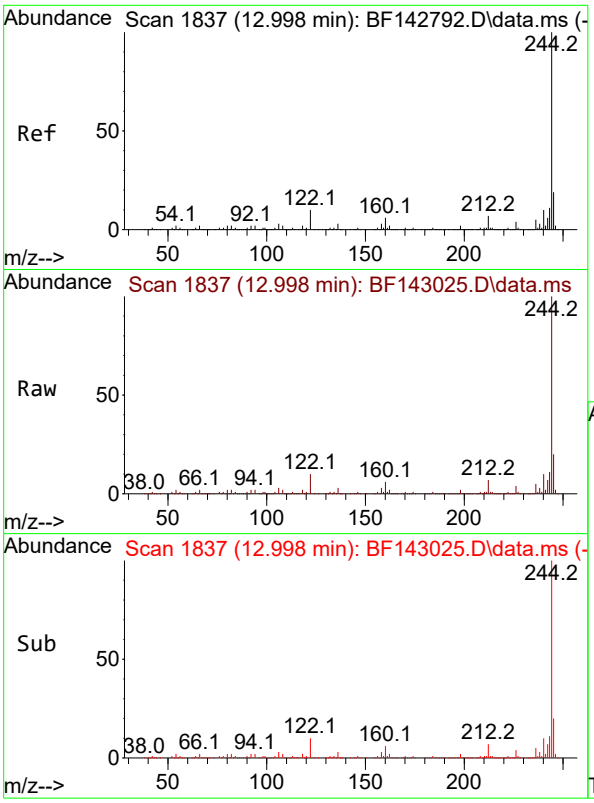




#78
Pyrene
Concen: 45.585 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:202 Resp: 467410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.2 | 15.7 | 23.5 |
| 203 | 17.7 | 13.8 | 20.6 |



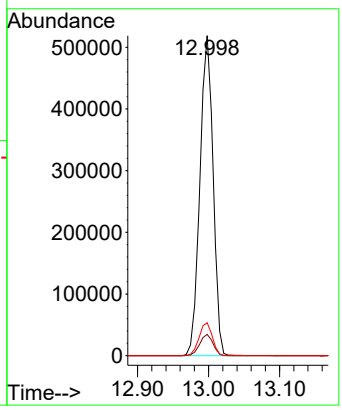


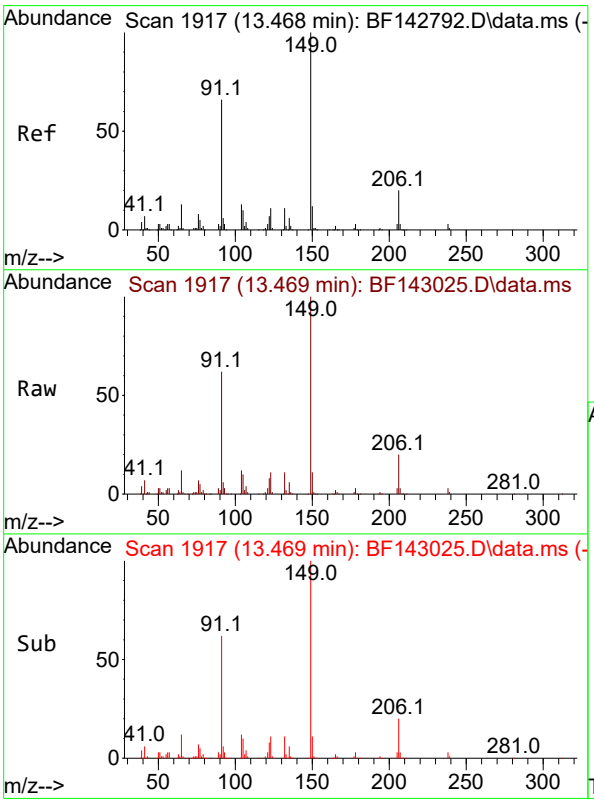

#79
Terphenyl-d14
Concen: 84.898 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:244 Resp: 672150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.4 | 8.0 |
| 122 | 10.3 | 8.2 | 12.2 |

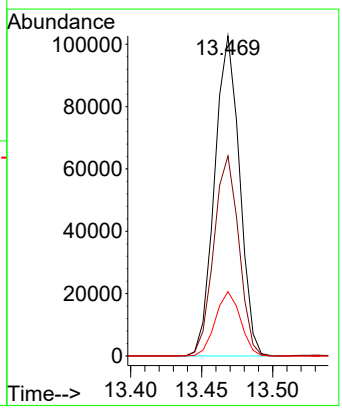


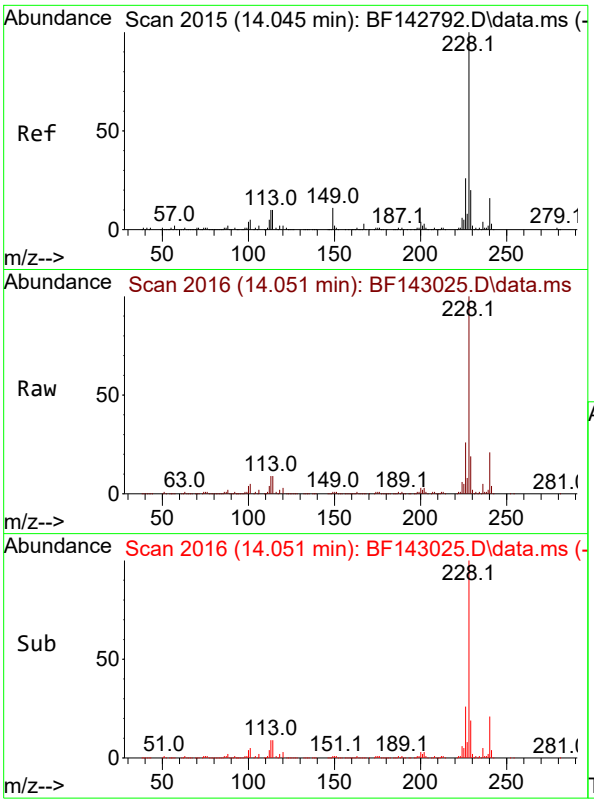




#80
Butylbenzylphthalate
Concen: 42.130 ng
RT: 13.469 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:149 Resp: 125308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 62.5 | 52.9 | 79.3 |
| 206 | 20.1 | 16.3 | 24.5 |



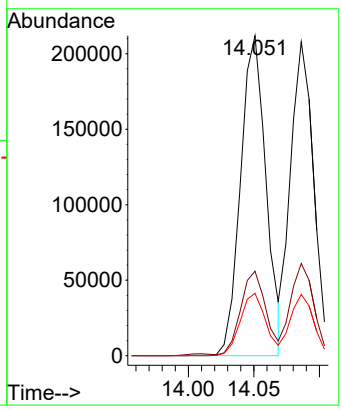


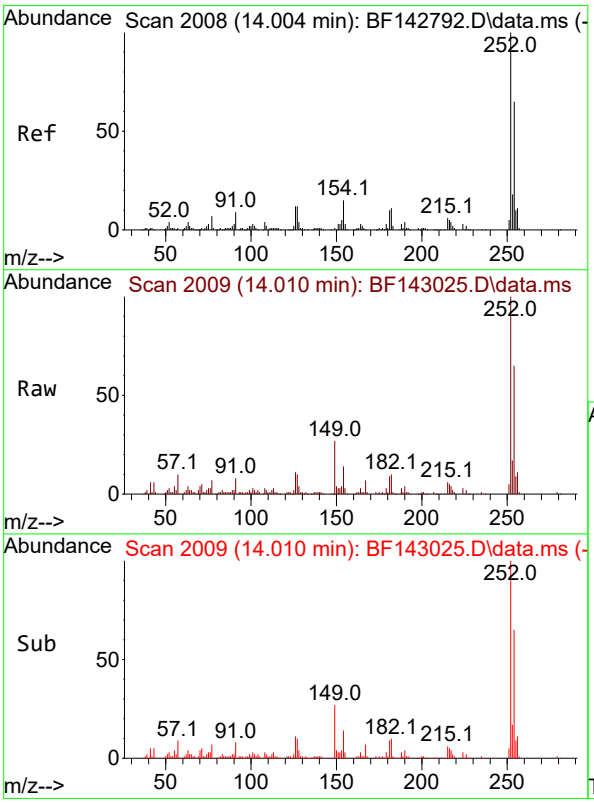

#81
Benzo(a)anthracene
Concen: 38.824 ng
RT: 14.051 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 286505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.4 | 21.2 | 31.8 |
| 229 | 19.5 | 15.6 | 23.4 |

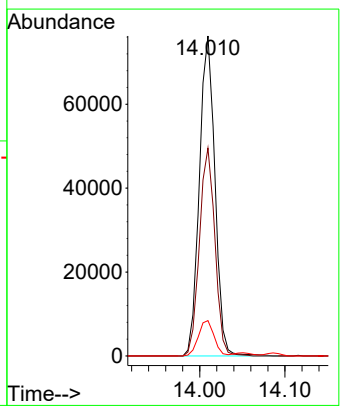


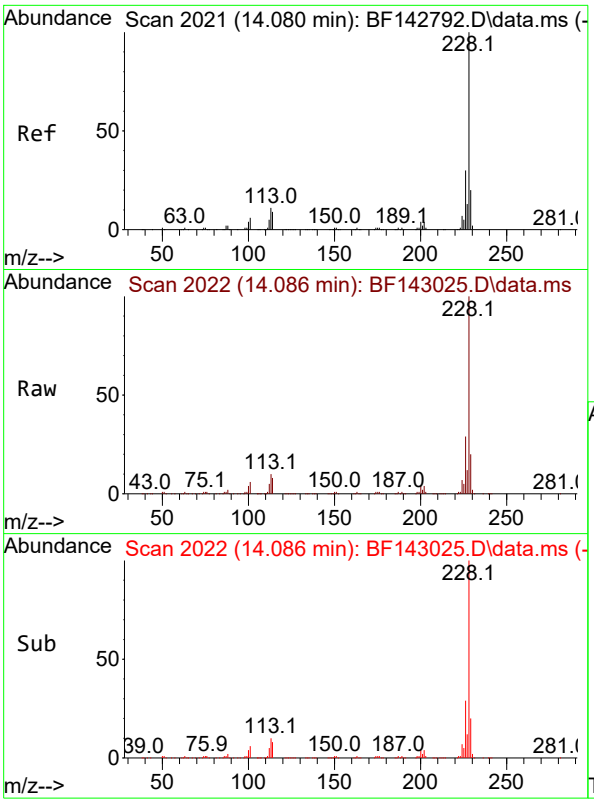




#82
3,3'-Dichlorobenzidine
Concen: 40.538 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:252 Resp: 97033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.9 | 51.7 | 77.5 |
| 126 | 11.1 | 9.4 | 14.2 |



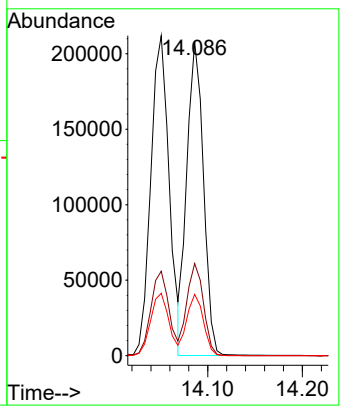


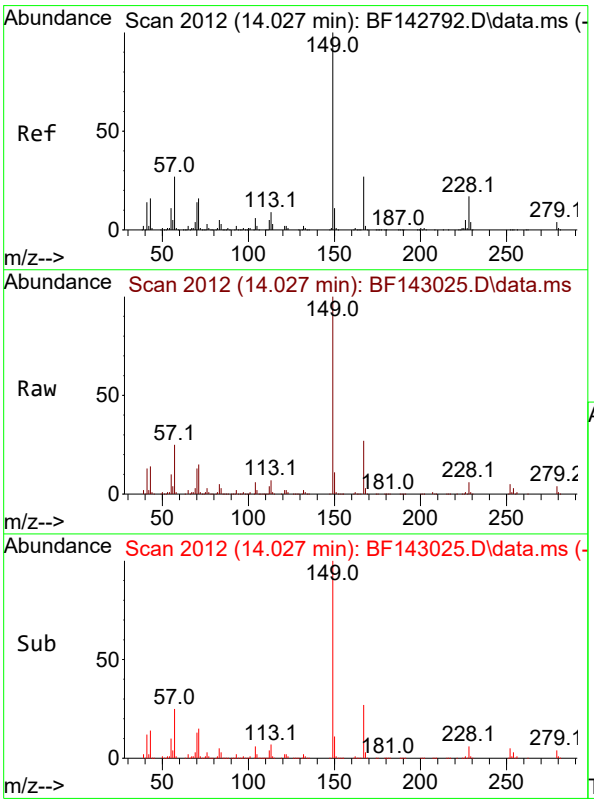

#83
Chrysene
Concen: 38.568 ng
RT: 14.086 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 253970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.4 | 23.7 | 35.5 |
| 229 | 19.6 | 15.7 | 23.5 |

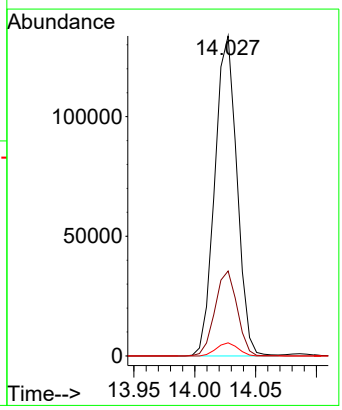


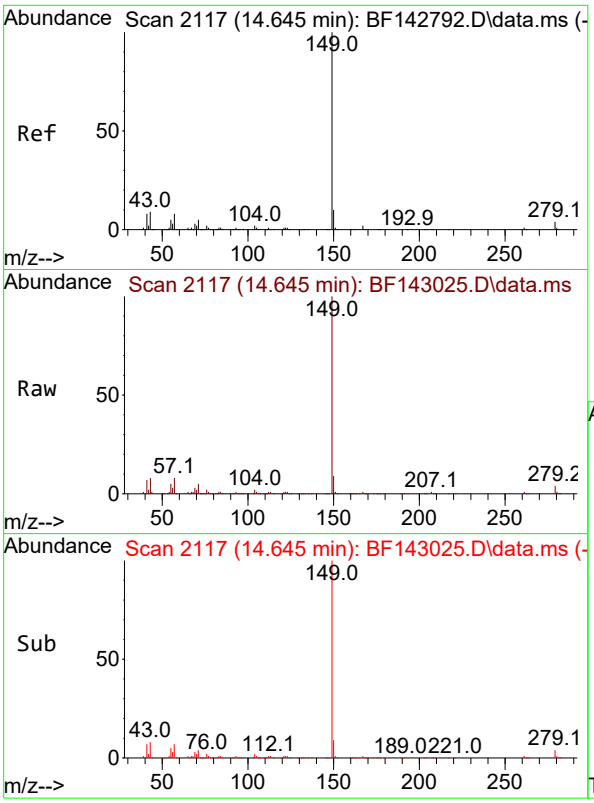




#84
Bis(2-ethylhexyl)phthalate
Concen: 39.625 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:149 Resp: 169570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.6 | 21.4 | 32.0 |
| 279 | 4.1 | 3.0 | 4.6 |



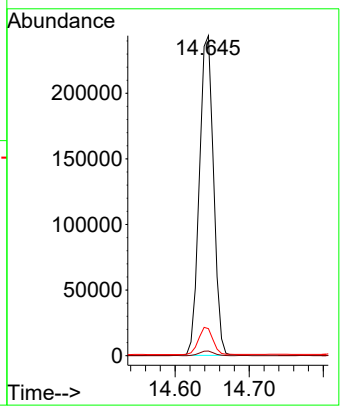


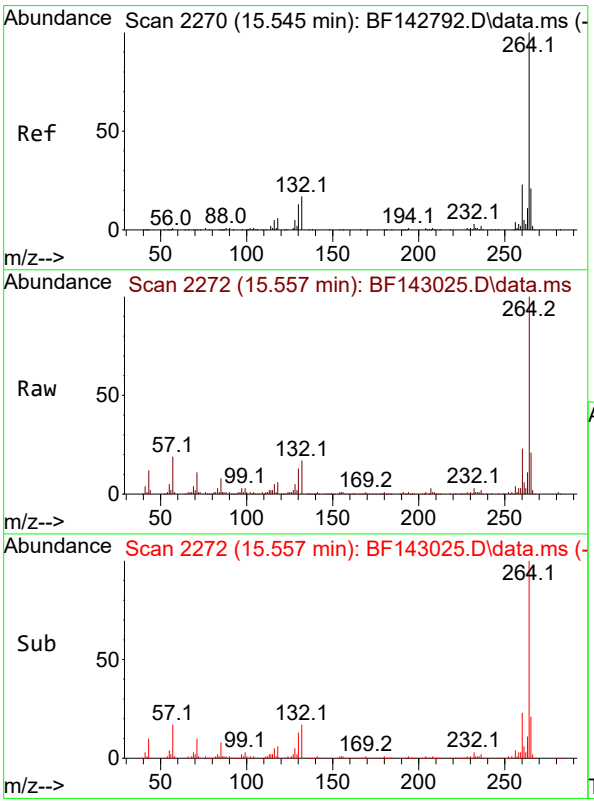

#85
Di-n-octyl phthalate
Concen: 40.101 ng
RT: 14.645 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:149 Resp: 323589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 8.6 | 7.6 | 11.4 |

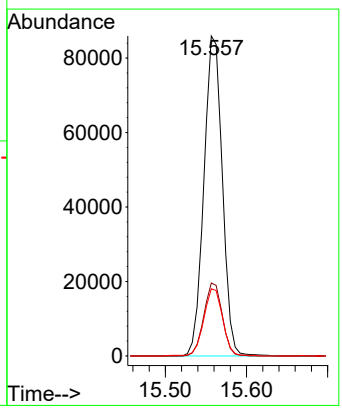


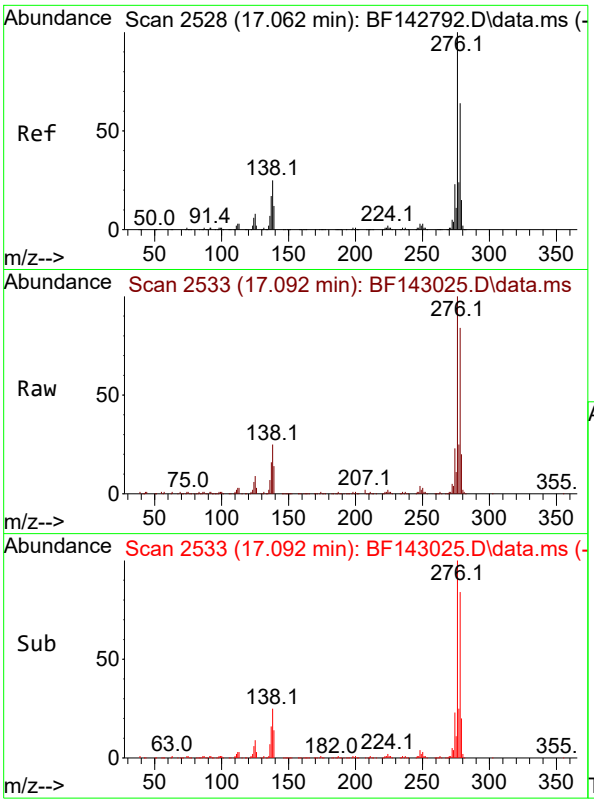




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. 0.012 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:264 Resp: 135350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.8 | 18.1 | 27.1 |
| 265 | 21.0 | 16.6 | 25.0 |



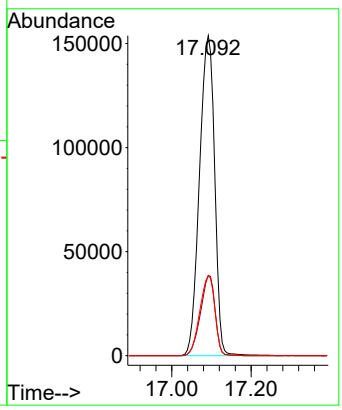


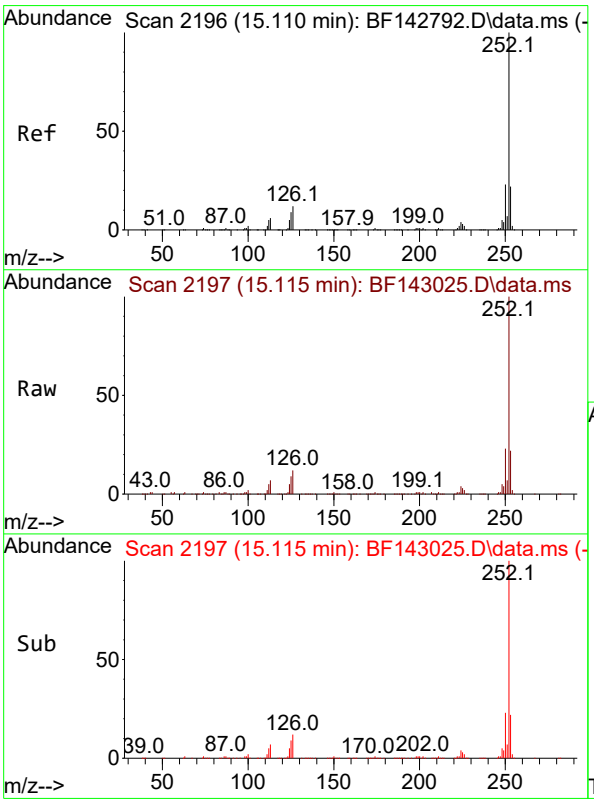

#87
Indeno(1,2,3-cd)pyrene
Concen: 39.633 ng
RT: 17.092 min Scan# 2
Delta R.T. 0.030 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:276 Resp: 408600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.0 | 20.2 | 30.4 |
| 277 | 24.8 | 19.8 | 29.6 |

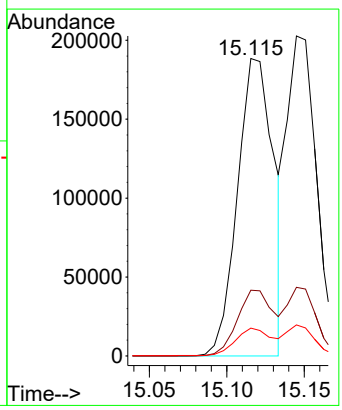


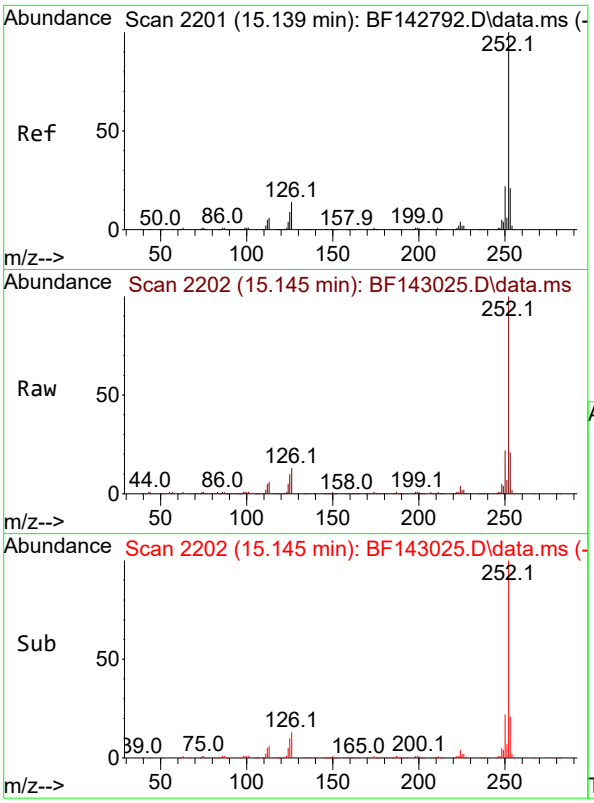




#88
Benzo(b)fluoranthene
Concen: 39.146 ng
RT: 15.115 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:252 Resp: 306592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.5 | 26.3 |
| 125 | 9.4 | 7.4 | 11.0 |



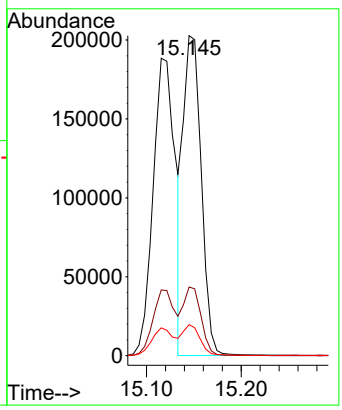


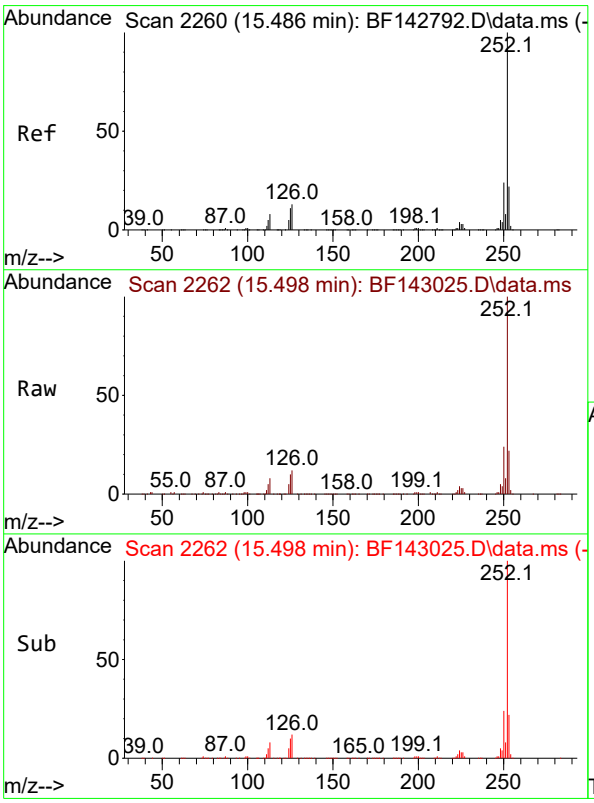

#89
Benzo(k)fluoranthene
Concen: 36.576 ng
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:252 Resp: 268010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.2 | 25.8 |
| 125 | 9.7 | 7.4 | 11.2 |

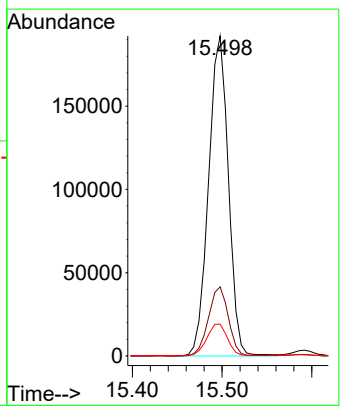


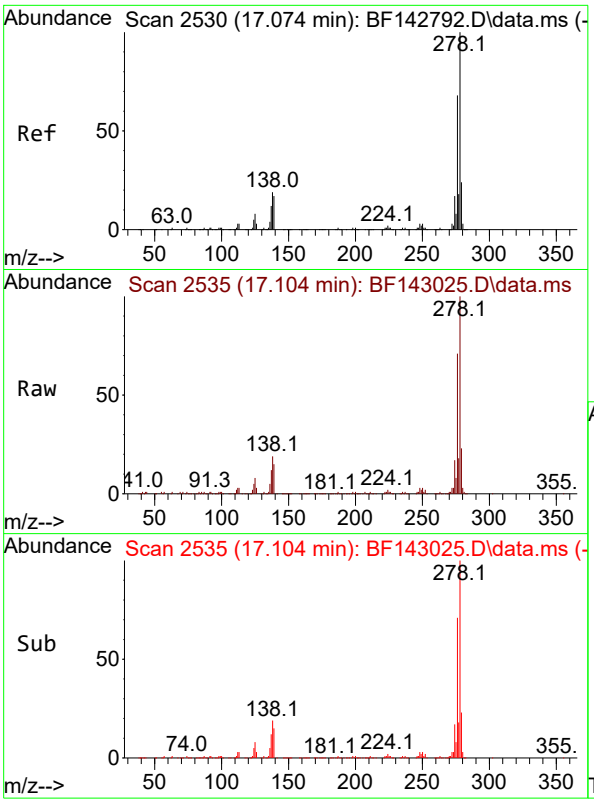




#90
Benzo(a)pyrene
Concen: 38.995 ng
RT: 15.498 min Scan# 2262
Delta R.T. 0.012 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:252 Resp: 295042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.5 | 26.3 |
| 125 | 10.0 | 8.6 | 12.8 |



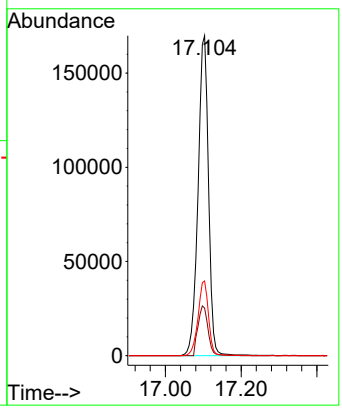


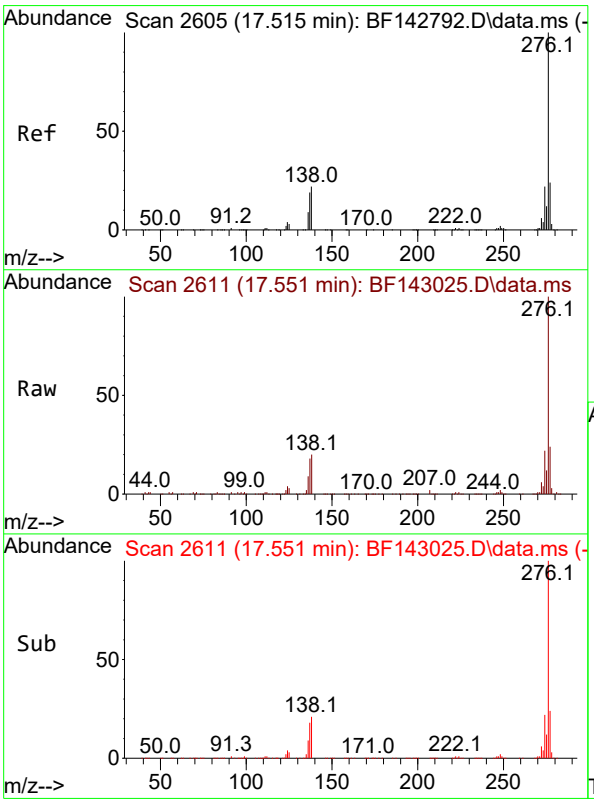

#91
Dibenzo(a,h)anthracene
Concen: 38.971 ng
RT: 17.104 min Scan# 2
Delta R.T. 0.030 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:278 Resp: 326448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.8 | 13.5 | 20.3 |
| 279 | 23.4 | 18.8 | 28.2 |

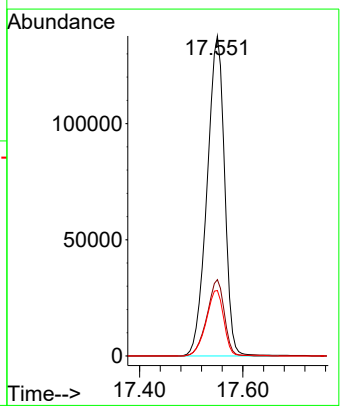



#92
Benzo(g,h,i)perylene
Concen: 38.829 ng
RT: 17.551 min Scan# 2611
Delta R.T. 0.035 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:276 Resp: 324337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 18.8 | 28.2 |
| 138 | 20.5 | 17.6 | 26.4 |



Sample Results: **BF143025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143025.D
Acq On : 08 Jul 2025 10:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 08 12:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 2 | | 1,4-Dioxane | 0.480 | 0.434 | 9.6 | 75 | -0.02 |
| 3 | | Pyridine | 1.205 | 1.134 | 5.9 | 78 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.623 | 0.578 | 7.2 | 77 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.201 | 1.183 | 1.5 | 82 | 0.00 |
| 6 | | Aniline | 1.886 | 1.831 | 2.9 | 80 | 0.00 |
| 7 | S | Phenol-d6 | 1.417 | 1.384 | 2.3 | 82 | 0.00 |
| 8 | | 2-Chlorophenol | 1.296 | 1.276 | 1.5 | 82 | 0.00 |
| 9 | | Benzaldehyde | 0.841 | 0.903 | -7.4 | 95 | 0.00 |
| 10 | C | Phenol | 1.575 | 1.550 | 1.6 | 82 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.126 | 1.102 | 2.1 | 82 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.449 | 1.433 | 1.1 | 83 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.462 | 1.442 | 1.4 | 82 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.387 | 1.369 | 1.3 | 82 | 0.00 |
| 15 | | Benzyl Alcohol | 1.025 | 1.025 | 0.0 | 84 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.809 | 1.645 | 9.1 | 76 | 0.00 |
| 17 | | 2-Methylphenol | 0.982 | 0.973 | 0.9 | 83 | 0.00 |
| 18 | | Hexachloroethane | 0.511 | 0.498 | 2.5 | 80 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.824 | 0.805 | 2.3 | 82 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.224 | 1.225 | -0.1 | 83 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 22 | | Acetophenone | 0.441 | 0.431 | 2.3 | 85 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.365 | 0.385 | -5.5 | 90 | 0.00 |
| 24 | | Nitrobenzene | 0.330 | 0.315 | 4.5 | 81 | 0.00 |
| 25 | | Isophorone | 0.585 | 0.566 | 3.2 | 84 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.180 | 0.181 | -0.6 | 84 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.311 | 0.301 | 3.2 | 83 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.372 | 0.361 | 3.0 | 84 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.282 | 0.275 | 2.5 | 83 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.310 | 0.301 | 2.9 | 83 | 0.00 |
| 31 | | Naphthalene | 0.979 | 0.952 | 2.8 | 84 | 0.00 |
| 32 | | Benzoic acid | 0.159 | 0.140 | 11.9 | 73 | 0.02 |
| 33 | | 4-Chloroaniline | 0.398 | 0.391 | 1.8 | 85 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.190 | 0.185 | 2.6 | 83 | 0.00 |
| 35 | | Caprolactam | 0.075 | 0.078 | -4.0 | 90 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.281 | 0.276 | 1.8 | 84 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.607 | 0.594 | 2.1 | 84 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.628 | 0.611 | 2.7 | 84 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.590 | 0.574 | 2.7 | 87 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.335 | 0.341 | -1.8 | 85 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.206 | 0.200 | 2.9 | 84 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.385 | 0.367 | 4.7 | 85 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.405 | 0.383 | 5.4 | 82 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.522 | 1.552 | -2.0 | 91 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.580 | 1.507 | 4.6 | 84 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.186 | 1.125 | 5.1 | 84 | 0.00 |

Sample Results: **BF143025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143025.D
Acq On : 08 Jul 2025 10:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 08 12:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.332 | 0.326 | 1.8 | 85 | 0.00 |
| 49 | | Acenaphthylene | 1.952 | 1.854 | 5.0 | 84 | 0.00 |
| 50 | | Dimethylphthalate | 1.295 | 1.287 | 0.6 | 88 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.284 | 0.279 | 1.8 | 85 | 0.00 |
| 52 | C | Acenaphthene | 1.191 | 1.180 | 0.9 | 87 | 0.00 |
| 53 | | 3-Nitroaniline | 0.313 | 0.304 | 2.9 | 85 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.142 | 0.188 | -32.4# | 111 | 0.01 |
| 55 | | Dibenzofuran | 1.708 | 1.634 | 4.3 | 85 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.214 | 0.259 | -21.0 | 105 | 0.01 |
| 57 | | 2,4-Dinitrotoluene | 0.378 | 0.376 | 0.5 | 86 | 0.00 |
| 58 | | Fluorene | 1.334 | 1.302 | 2.4 | 87 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.326 | 0.307 | 5.8 | 83 | 0.00 |
| 60 | | Diethylphthalate | 1.269 | 1.241 | 2.2 | 86 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.636 | 0.623 | 2.0 | 88 | 0.00 |
| 62 | | 4-Nitroaniline | 0.286 | 0.282 | 1.4 | 87 | 0.00 |
| 63 | | Azobenzene | 1.134 | 1.077 | 5.0 | 84 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.121 | 0.120 | 0.8 | 83 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.693 | 0.683 | 1.4 | 84 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.228 | 0.230 | -0.9 | 87 | 0.00 |
| 68 | | Hexachlorobenzene | 0.253 | 0.251 | 0.8 | 86 | 0.00 |
| 69 | | Atrazine | 0.179 | 0.189 | -5.6 | 90 | 0.00 |
| 70 | C | Pentachlorophenol | 0.126 | 0.185 | -46.8# | 123 | 0.00 |
| 71 | | Phenanthrene | 1.083 | 1.051 | 3.0 | 85 | 0.00 |
| 72 | | Anthracene | 1.111 | 1.089 | 2.0 | 85 | 0.00 |
| 73 | | Carbazole | 0.959 | 0.908 | 5.3 | 84 | 0.00 |
| 74 | | Di-n-butylphthalate | 0.999 | 1.022 | -2.3 | 89 | 0.00 |
| 75 | C | Fluoranthene | 1.028 | 0.959 | 6.7 | 83 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 77 | 0.00 |
| 77 | | Benzidine | 0.751 | 0.916 | -22.0 | 91 | 0.00 |
| 78 | | Pyrene | 1.875 | 2.136 | -13.9 | 94 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.447 | 1.536 | -6.2 | 89 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.544 | 0.573 | -5.3 | 80 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.349 | 1.310 | 2.9 | 80 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.438 | 0.444 | -1.4 | 79 | 0.00 |
| 83 | | Chrysene | 1.204 | 1.161 | 3.6 | 77 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.782 | 0.775 | 0.9 | 74 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.475 | 1.479 | -0.3 | 78 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 79 | 0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.523 | 1.509 | 0.9 | 81 | 0.03 |
| 88 | | Benzo(b)fluoranthene | 1.157 | 1.133 | 2.1 | 84 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.083 | 0.990 | 8.6 | 76 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.118 | 1.090 | 2.5 | 81 | 0.01 |
| 91 | | Dibenzo(a,h)anthracene | 1.238 | 1.206 | 2.6 | 81 | 0.03 |
| 92 | | Benzo(g,h,i)perylene | 1.234 | 1.198 | 2.9 | 80 | 0.04 |

Sample Results: **BF143025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143025.D
Acq On : 08 Jul 2025 10:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 08 12:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BF143025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143025.D
Acq On : 08 Jul 2025 10:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 08 12:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 80 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 36.124 | 9.7 | 75 | -0.02 |
| 3 | | Pyridine | 40.000 | 37.643 | 5.9 | 78 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 37.086 | 7.3 | 77 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 78.806 | 1.5 | 82 | 0.00 |
| 6 | | Aniline | 40.000 | 38.839 | 2.9 | 80 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 78.144 | 2.3 | 82 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.386 | 1.5 | 82 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 42.967 | -7.4 | 95 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.348 | 1.6 | 82 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.146 | 2.1 | 82 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.558 | 1.1 | 83 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.445 | 1.4 | 82 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.496 | 1.3 | 82 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 40.010 | -0.0 | 84 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.380 | 9.0 | 76 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.617 | 1.0 | 83 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.946 | 2.6 | 80 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.059 | 2.4 | 82 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.025 | -0.1 | 83 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 82 | 0.00 |
| 22 | | Acetophenone | 40.000 | 39.098 | 2.3 | 85 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 84.546 | -5.7 | 90 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.199 | 4.5 | 81 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.737 | 3.2 | 84 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.333 | -0.8 | 84 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.666 | 3.3 | 83 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.878 | 2.8 | 84 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.983 | 2.5 | 83 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.835 | 2.9 | 83 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.890 | 2.8 | 84 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 35.279 | 11.8 | 73 | 0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 39.314 | 1.7 | 85 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.023 | 2.4 | 83 | 0.00 |
| 35 | | Caprolactam | 40.000 | 41.901 | -4.8 | 90 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.303 | 1.7 | 84 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.127 | 2.2 | 84 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.925 | 2.7 | 84 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 84 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.905 | 2.7 | 87 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 40.686 | -1.7 | 85 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 77.630 | 3.0 | 84 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 38.180 | 4.6 | 85 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 37.813 | 5.5 | 82 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 81.561 | -2.0 | 91 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.145 | 4.6 | 84 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 37.941 | 5.1 | 84 | 0.00 |

Sample Results: **BF143025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143025.D
Acq On : 08 Jul 2025 10:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 08 12:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 39.256 | 1.9 | 85 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 37.997 | 5.0 | 84 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.752 | 0.6 | 88 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 39.188 | 2.0 | 85 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.643 | 0.9 | 87 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 38.881 | 2.8 | 85 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 52.757 | -31.9# | 111 | 0.01 |
| 55 | | Dibenzofuran | 40.000 | 38.268 | 4.3 | 85 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 48.300 | -20.7 | 105 | 0.01 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 39.860 | 0.4 | 86 | 0.00 |
| 58 | | Fluorene | 40.000 | 39.038 | 2.4 | 87 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 37.618 | 6.0 | 83 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 39.111 | 2.2 | 86 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.156 | 2.1 | 88 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 39.365 | 1.6 | 87 | 0.00 |
| 63 | | Azobenzene | 40.000 | 37.977 | 5.1 | 84 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 83 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.580 | 1.1 | 83 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.436 | 1.4 | 84 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 40.413 | -1.0 | 87 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 39.689 | 0.8 | 86 | 0.00 |
| 69 | | Atrazine | 40.000 | 42.266 | -5.7 | 90 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 58.845 | -47.1# | 123 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.822 | 2.9 | 85 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.196 | 2.0 | 85 | 0.00 |
| 73 | | Carbazole | 40.000 | 37.887 | 5.3 | 84 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.919 | -2.3 | 89 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 37.322 | 6.7 | 83 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 77 | 0.00 |
| 77 | | Benzidine | 40.000 | 48.779 | -21.9 | 91 | 0.00 |
| 78 | | Pyrene | 40.000 | 45.585 | -14.0 | 94 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 84.898 | -6.1 | 89 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 42.130 | -5.3 | 80 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 38.824 | 2.9 | 80 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.538 | -1.3 | 79 | 0.00 |
| 83 | | Chrysene | 40.000 | 38.568 | 3.6 | 77 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.625 | 0.9 | 74 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 40.101 | -0.3 | 78 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 79 | 0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.633 | 0.9 | 81 | 0.03 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 39.146 | 2.1 | 84 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 36.576 | 8.6 | 76 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 38.995 | 2.5 | 81 | 0.01 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 38.971 | 2.6 | 81 | 0.03 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 38.829 | 2.9 | 80 | 0.04 |

Sample Results: **BF143025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143025.D
Acq On : 08 Jul 2025 10:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 08 12:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev Area% | Dev(min) |
|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance  Contract: WALS01

Lab Code: ACE  SDG No.: Q2489

Instrument ID: BNA_F  Calibration Date/Time: 07/09/2025 10:52

Lab File ID: BF143048.D  Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040  Init. Calib. Time(s): 17:07 20:40

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

| COMPOUND | $\overline{RRF}$ | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Pyridine | 1.205 | 1.127 | | -6.5 | |
| 2-Fluorophenol | 1.201 | 1.190 | | -0.9 | |
| Phenol-d6 | 1.417 | 1.399 | | -1.3 | |
| 1,4-Dichlorobenzene | 1.462 | 1.445 | | -1.2 | 20.0 |
| 2-Methylphenol | 0.982 | 0.968 | | -1.4 | |
| 3+4-Methylphenols | 1.224 | 1.238 | | 1.1 | |
| Nitrobenzene-d5 | 0.365 | 0.383 | | 4.9 | |
| Hexachloroethane | 0.511 | 0.503 | | -1.6 | |
| Nitrobenzene | 0.330 | 0.321 | | -2.7 | |
| Hexachlorobutadiene | 0.190 | 0.187 | | -1.6 | 20.0 |
| 2,4,6-Trichlorophenol | 0.385 | 0.356 | | -7.5 | 20.0 |
| 2-Fluorobiphenyl | 1.522 | 1.555 | | 2.2 | |
| 2,4,5-Trichlorophenol | 0.405 | 0.379 | | -6.4 | |
| 2,4-Dinitrotoluene | 0.378 | 0.375 | | -0.8 | |
| 2,4,6-Tribromophenol | 0.206 | 0.202 | | -1.9 | |
| Hexachlorobenzene | 0.253 | 0.249 | | -1.6 | |
| Pentachlorophenol | 0.126 | 0.181 | | 43.7 | 20.0 |
| Terphenyl-d14 | 1.447 | 1.481 | | 2.3 | |

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF143048.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143048.D
Acq On : 09 Jul 2025 10:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Jul 09 11:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 66592 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 257344 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 135062 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.410 | 188 | 218580 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.057 | 240 | 110392 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 146270 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 317051 | 79.269 | ng | 0.00 |
| 7) Phenol-d6 | 6.510 | 99 | 372531 | 78.945 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.439 | 82 | 394718 | 84.131 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 109001 | 78.425 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 839846 | 81.687 | ng | -0.01 |
| 79) Terphenyl-d14 | 12.992 | 244 | 653929 | 81.848 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.616 | 88 | 58700 | 36.693 | ng | 98 |
| 3) Pyridine | 3.393 | 79 | 150140 | 37.436 | ng | 97 |
| 4) n-Nitrosodimethylamine | 3.346 | 42 | 75767 | 36.533 | ng | 95 |
| 6) Aniline | 6.540 | 93 | 243791 | 38.827 | ng | 95 |
| 8) 2-Chlorophenol | 6.663 | 128 | 172216 | 39.915 | ng | 97 |
| 9) Benzaldehyde | 6.428 | 77 | 122163 | 43.636 | ng | 100 |
| 10) Phenol | 6.522 | 94 | 206185 | 39.308 | ng | 89 |
| 11) bis(2-Chloroethyl)ether | 6.610 | 93 | 148192 | 39.529 | ng | 96 |
| 12) 1,3-Dichlorobenzene | 6.816 | 146 | 189971 | 39.370 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 6.892 | 146 | 192448 | 39.530 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.045 | 146 | 182051 | 39.426 | ng | 99 |
| 15) Benzyl Alcohol | 7.016 | 79 | 137398 | 40.276 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145 | 45 | 217844 | 36.167 | ng | 79 |
| 17) 2-Methylphenol | 7.134 | 107 | 128959 | 39.442 | ng | 96 |
| 18) Hexachloroethane | 7.387 | 117 | 67058 | 39.381 | ng | 93 |
| 19) n-Nitroso-di-n-propyla... | 7.292 | 70 | 109039 | 39.730 | ng | 95 |
| 20) 3+4-Methylphenols | 7.287 | 107 | 164907 | 40.452 | ng | 95 |
| 22) Acetophenone | 7.287 | 105 | 223904 | 39.455 | ng | 100 |
| 24) Nitrobenzene | 7.463 | 77 | 165163 | 38.894 | ng | 98 |
| 25) Isophorone | 7.698 | 82 | 291150 | 38.685 | ng | 99 |
| 26) 2-Nitrophenol | 7.775 | 139 | 92518 | 39.996 | ng | 100 |
| 27) 2,4-Dimethylphenol | 7.816 | 122 | 153557m | 38.323 | ng | |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93 | 187275 | 39.139 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.022 | 162 | 142368 | 39.186 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.098 | 180 | 155501 | 38.924 | ng | 99 |
| 31) Naphthalene | 8.181 | 128 | 485090 | 38.510 | ng | 99 |
| 32) Benzoic acid | 7.939 | 122 | 70188 | 34.368 | ng | 97 |
| 33) 4-Chloroaniline | 8.234 | 127 | 198369 | 38.729 | ng | 98 |
| 34) Hexachlorobutadiene | 8.292 | 225 | 96425 | 39.459 | ng | 99 |
| 35) Caprolactam | 8.610 | 113 | 37672 | 39.295 | ng | 96 |
| 36) 4-Chloro-3-methylphenol | 8.716 | 107 | 141216 | 39.110 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.869 | 142 | 307684 | 39.399 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.969 | 142 | 313072 | 38.726 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.039 | 216 | 154627 | 38.800 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 92207 | 40.772 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.157 | 196 | 96292 | 37.080 | ng | 99 |

Sample Results: **BF143048.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143048.D
Acq On : 09 Jul 2025 10:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Jul 09 11:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.198 | 196 | 102349 | 37.440 ng | 100 |
| 46) 1,1'-Biphenyl | 9.339 | 154 | 413921 | 38.796 ng | 99 |
| 47) 2-Chloronaphthalene | 9.363 | 162 | 306289 | 38.255 ng | 99 |
| 48) 2-Nitroaniline | 9.463 | 65 | 85518 | 38.099 ng | 94 |
| 49) Acenaphthylene | 9.781 | 152 | 503177 | 38.176 ng | 100 |
| 50) Dimethylphthalate | 9.639 | 163 | 342506 | 39.177 ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.704 | 165 | 75838 | 39.500 ng | 97 |
| 52) Acenaphthene | 9.951 | 154 | 316605m | 39.371 ng | |
| 53) 3-Nitroaniline | 9.875 | 138 | 78937 | 37.342 ng | 100 |
| 54) 2,4-Dinitrophenol | 9.986 | 184 | 46706 | 48.583 ng | 99 |
| 55) Dibenzofuran | 10.122 | 168 | 440391 | 38.190 ng | 100 |
| 56) 4-Nitrophenol | 10.045 | 139 | 67517 | 46.654 ng | 99 |
| 57) 2,4-Dinitrotoluene | 10.110 | 165 | 101213 | 39.687 ng | 95 |
| 58) Fluorene | 10.469 | 166 | 348917 | 38.743 ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232 | 86032 | 39.043 ng | 92 |
| 60) Diethylphthalate | 10.333 | 149 | 332556 | 38.796 ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204 | 167583 | 38.996 ng | 98 |
| 62) 4-Nitroaniline | 10.492 | 138 | 73117 | 37.820 ng | 97 |
| 63) Azobenzene | 10.616 | 77 | 291002 | 37.983 ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198 | 51710 | 39.111 ng | 97 |
| 66) n-Nitrosodiphenylamine | 10.575 | 169 | 296265 | 39.109 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248 | 100240 | 40.295 ng | 97 |
| 68) Hexachlorobenzene | 11.016 | 284 | 109033 | 39.445 ng | 99 |
| 69) Atrazine | 11.104 | 200 | 78779 | 40.271 ng | 98 |
| 70) Pentachlorophenol | 11.216 | 266 | 79272 | 57.552 ng | 99 |
| 71) Phenanthrene | 11.433 | 178 | 453843 | 38.330 ng | 100 |
| 72) Anthracene | 11.486 | 178 | 465305 | 38.317 ng | 99 |
| 73) Carbazole | 11.639 | 167 | 392132 | 37.420 ng | 100 |
| 74) Di-n-butylphthalate | 11.963 | 149 | 430569 | 39.441 ng | 99 |
| 75) Fluoranthene | 12.621 | 202 | 408276 | 36.332 ng | 100 |
| 77) Benzidine | 12.745 | 184 | 204601 | 49.331 ng | 99 |
| 78) Pyrene | 12.851 | 202 | 454236 | 43.898 ng | 99 |
| 80) Butylbenzylphthalate | 13.463 | 149 | 126277 | 42.071 ng | 97 |
| 81) Benzo(a)anthracene | 14.045 | 228 | 292876 | 39.327 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.004 | 252 | 104231 | 43.151 ng | 99 |
| 83) Chrysene | 14.080 | 228 | 260242 | 39.162 ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149 | 194503 | 45.039 ng | 99 |
| 85) Di-n-octyl phthalate | 14.633 | 149 | 379015 | 46.544 ng | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 17.074 | 276 | 424870 | 38.135 ng | 99 |
| 88) Benzo(b)fluoranthene | 15.110 | 252 | 321973 | 38.041 ng | 100 |
| 89) Benzo(k)fluoranthene | 15.139 | 252 | 309552 | 39.092 ng | 99 |
| 90) Benzo(a)pyrene | 15.486 | 252 | 317799 | 38.867 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.086 | 278 | 345409 | 38.156 ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.533 | 276 | 339644 | 37.626 ng | 97 |

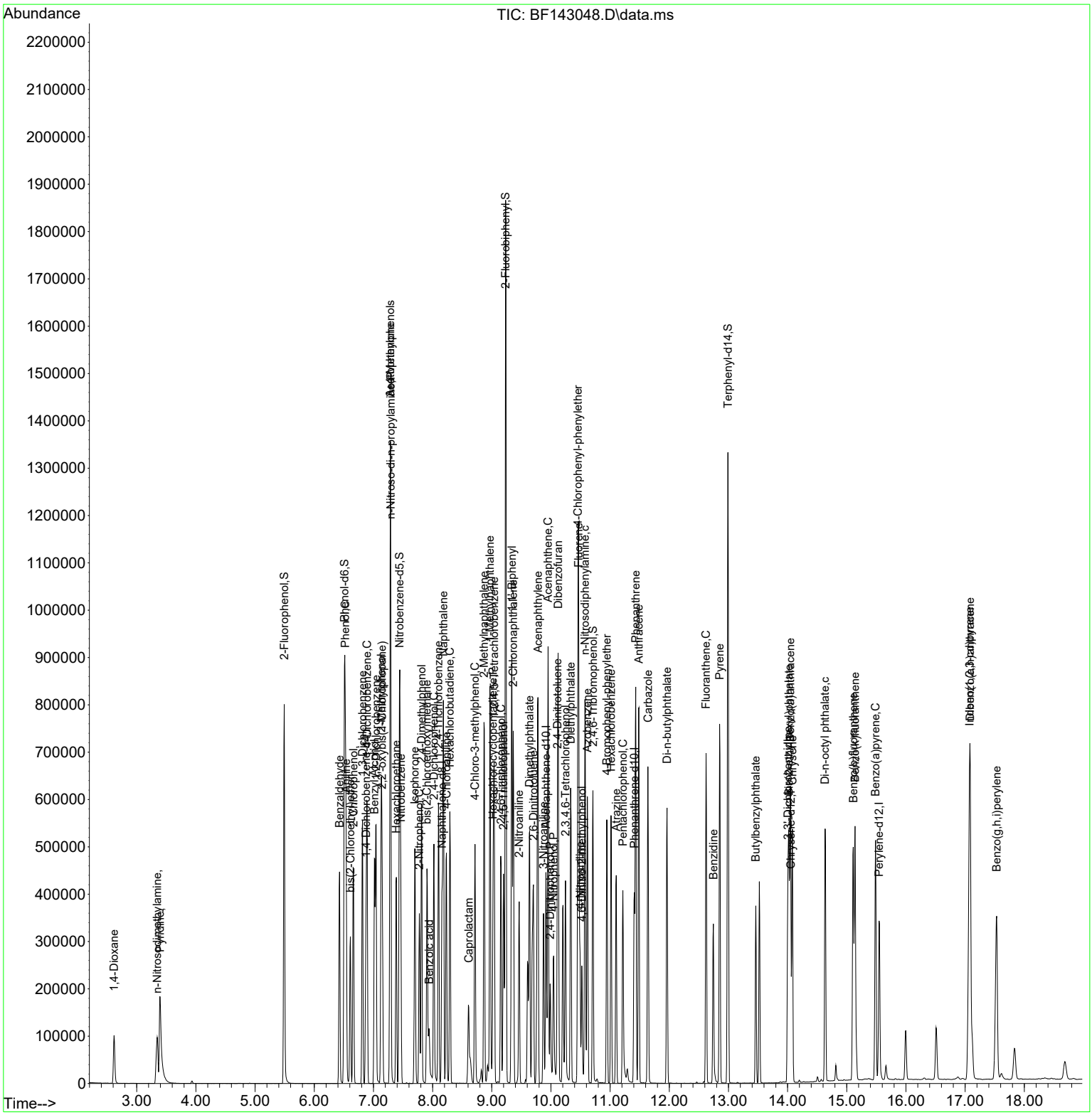
(#) = qualifier out of range (m) = manual integration (+) = signals summed

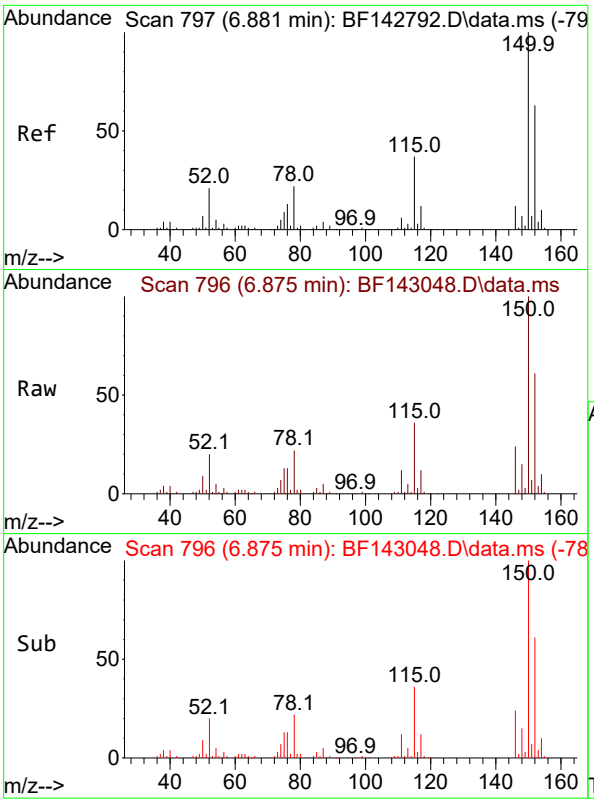
Sample Results: **BF143048.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143048.D
Acq On : 09 Jul 2025 10:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Jul 09 11:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



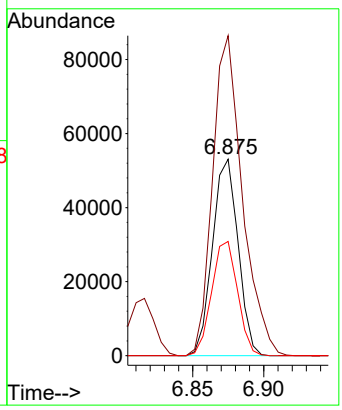


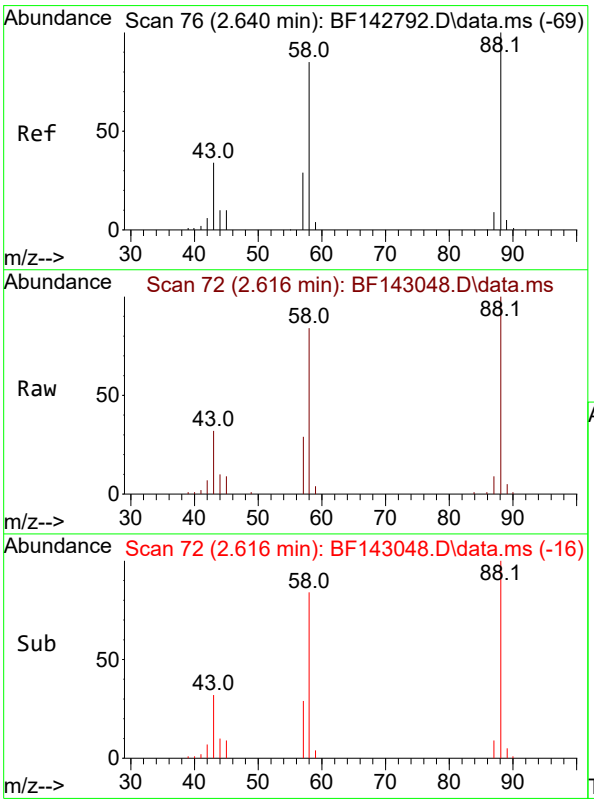

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 66592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 162.8 | 127.2 | 190.8 |
| 115 | 58.1 | 46.6 | 69.8 |

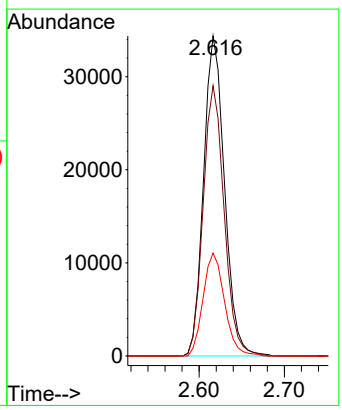


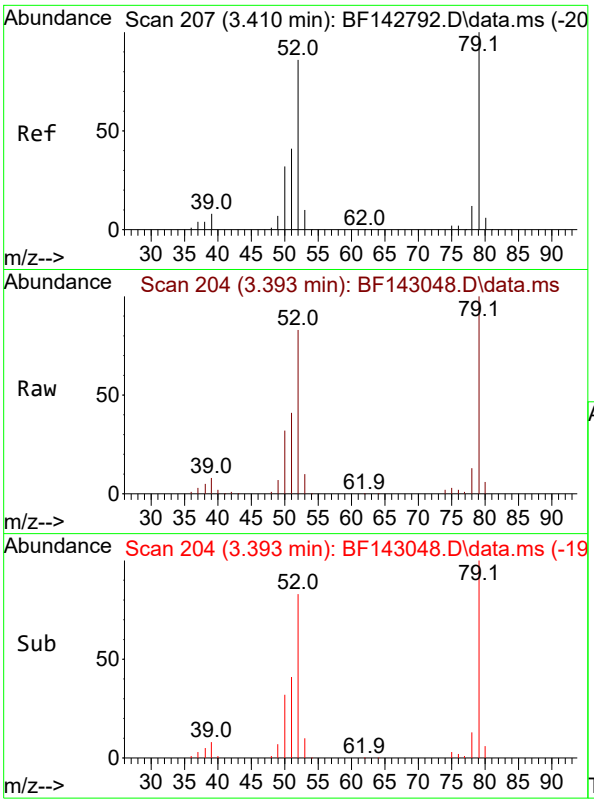




#2
1,4-Dioxane
Concen: 36.693 ng
RT: 2.616 min Scan# 72
Delta R.T. -0.023 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion: 88 Resp: 58700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 84.6 | 69.1 | 103.7 |
| 43 | 32.8 | 27.4 | 41.2 |



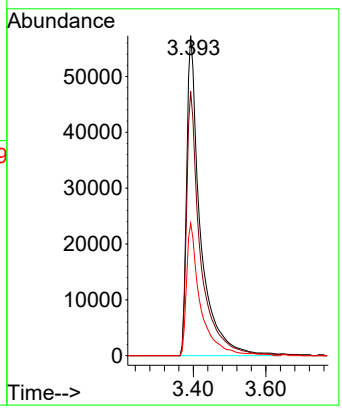


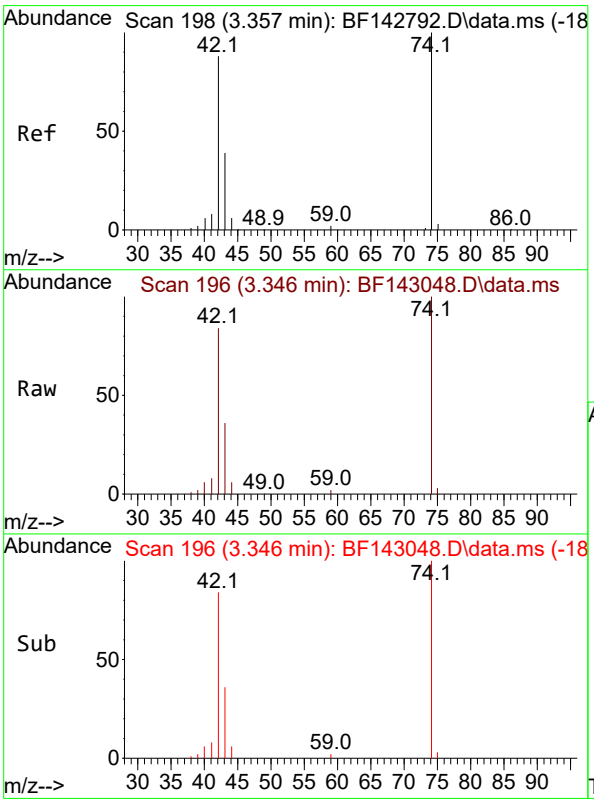

#3
Pyridine
Concen: 37.436 ng
RT: 3.393 min Scan# 2(
Delta R.T. -0.018 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 150140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 82.6 | 69.2 | 103.8 |
| 51 | 41.4 | 33.2 | 49.8 |

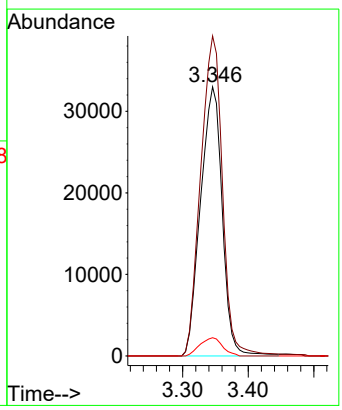


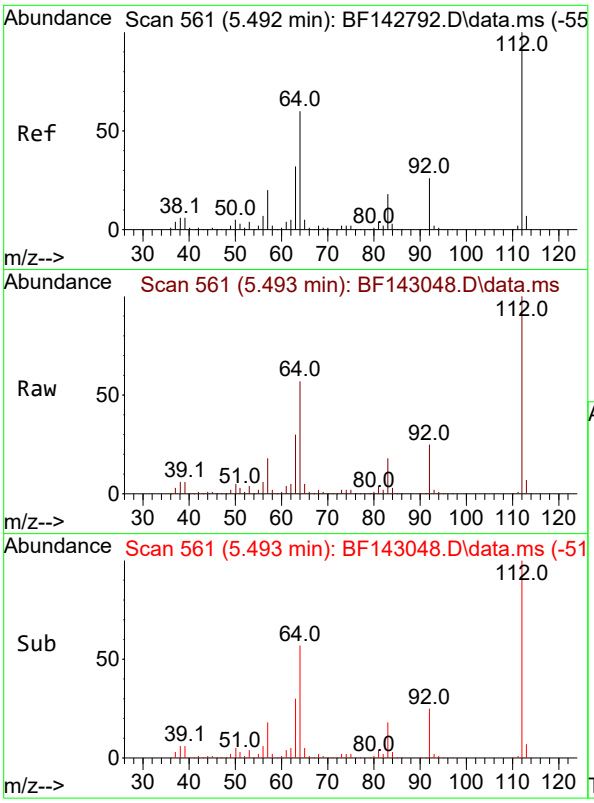




#4
n-Nitrosodimethylamine
Concen: 36.533 ng
RT: 3.346 min Scan# 196
Delta R.T. -0.012 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion: 42 Resp: 75767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 118.9 | 90.9 | 136.3 |
| 44 | 6.8 | 5.8 | 8.6 |



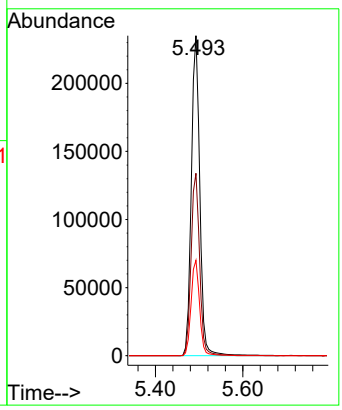


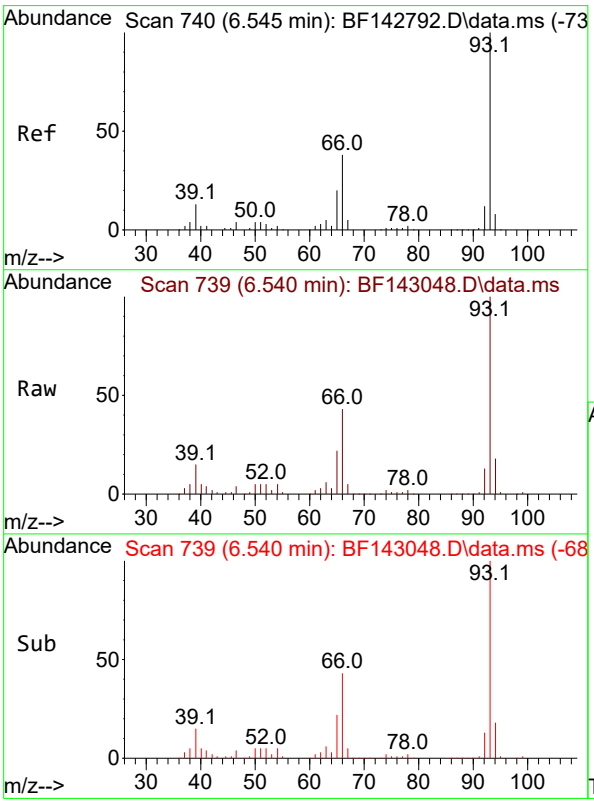

#5
2-Fluorophenol
Concen: 79.269 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.001 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:112 Resp: 317051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.0 | 48.2 | 72.2 |
| 63 | 29.8 | 25.7 | 38.5 |

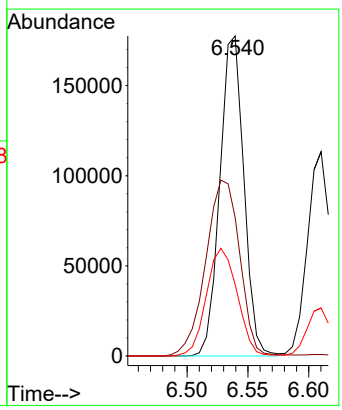


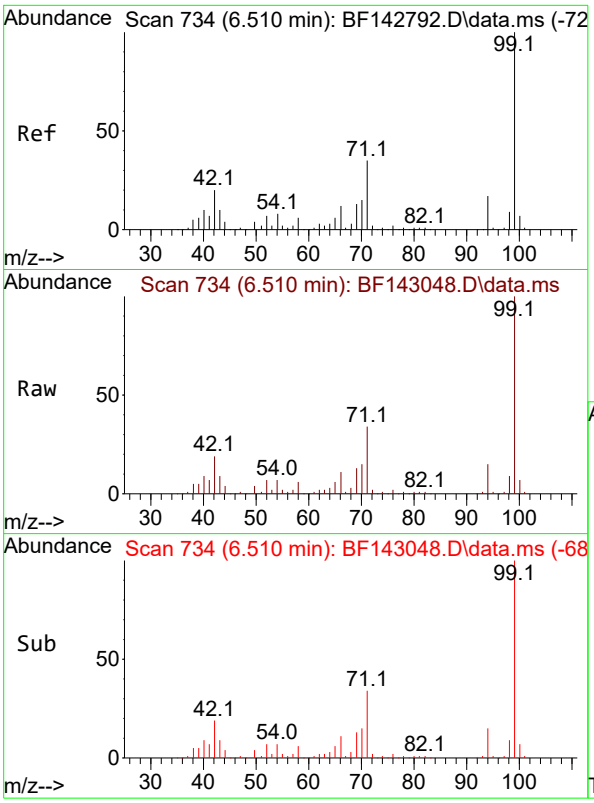




#6
Aniline
Concen: 38.827 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion: 93 Resp: 243791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 43.2 | 31.8 | 47.6 |
| 65 | 22.3 | 16.2 | 24.2 |



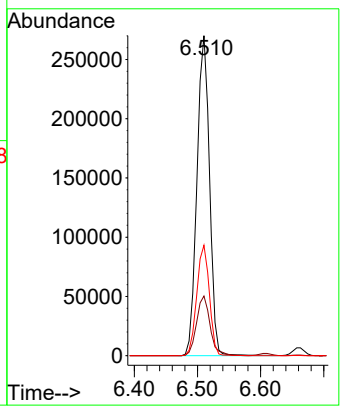


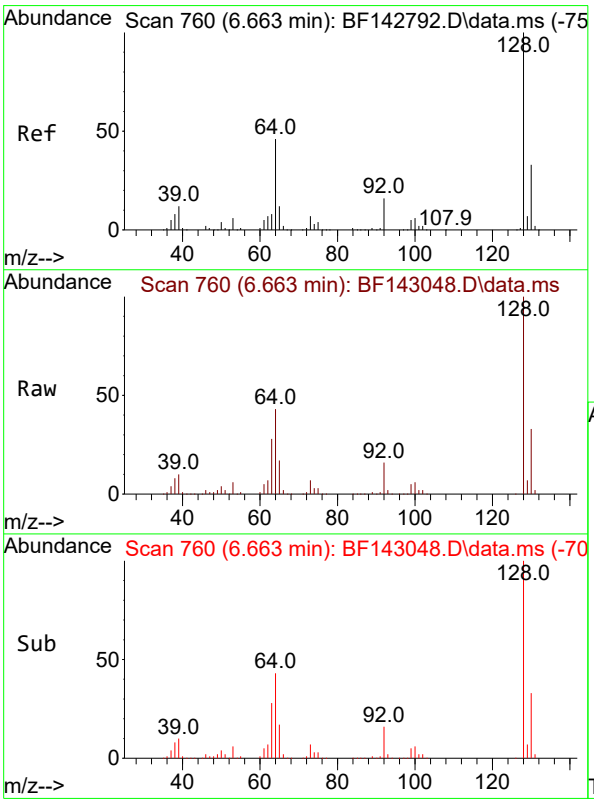

#7
Phenol-d6
Concen: 78.945 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 99 Resp: 372531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.7 | 15.9 | 23.9 |
| 71 | 34.5 | 27.8 | 41.8 |

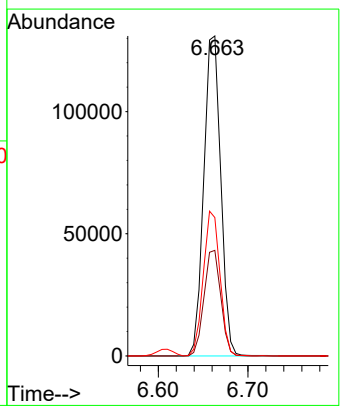


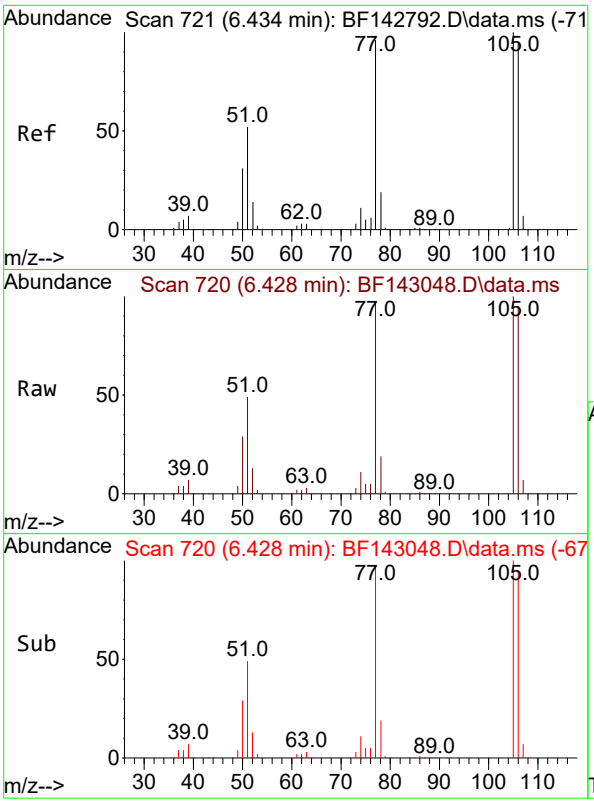




#8
2-Chlorophenol
Concen: 39.915 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:128 Resp: 172216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.0 | 12.7 | 52.7 |
| 64 | 43.3 | 26.5 | 66.5 |



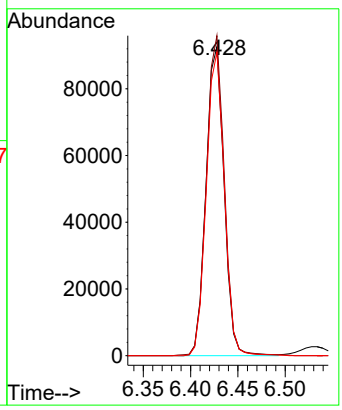


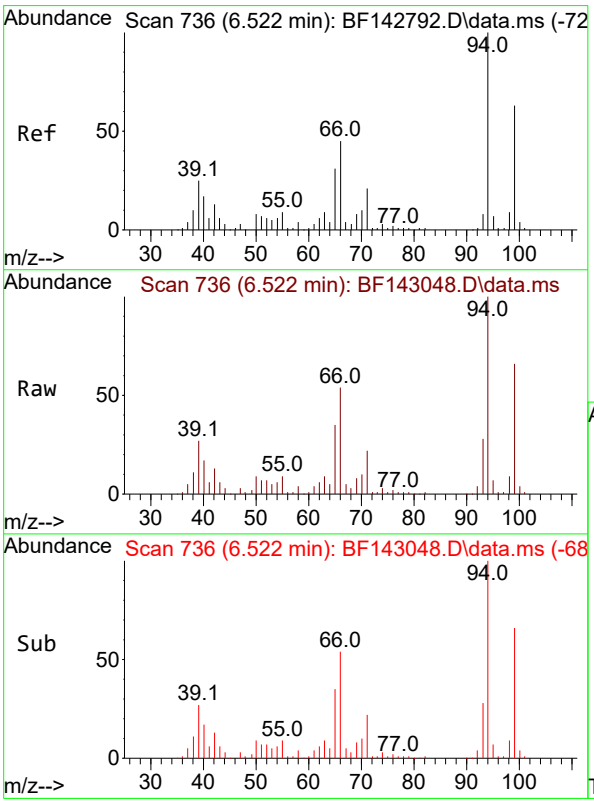

#9
Benzaldehyde
Concen: 43.636 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 122163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 103.6 | 83.8 | 123.8 |
| 106 | 98.2 | 78.7 | 118.7 |

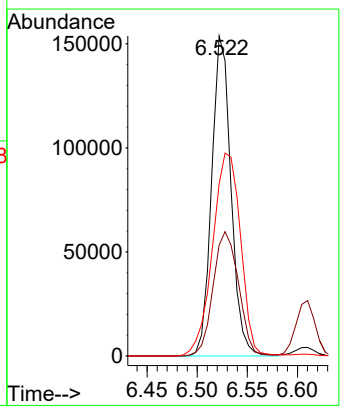


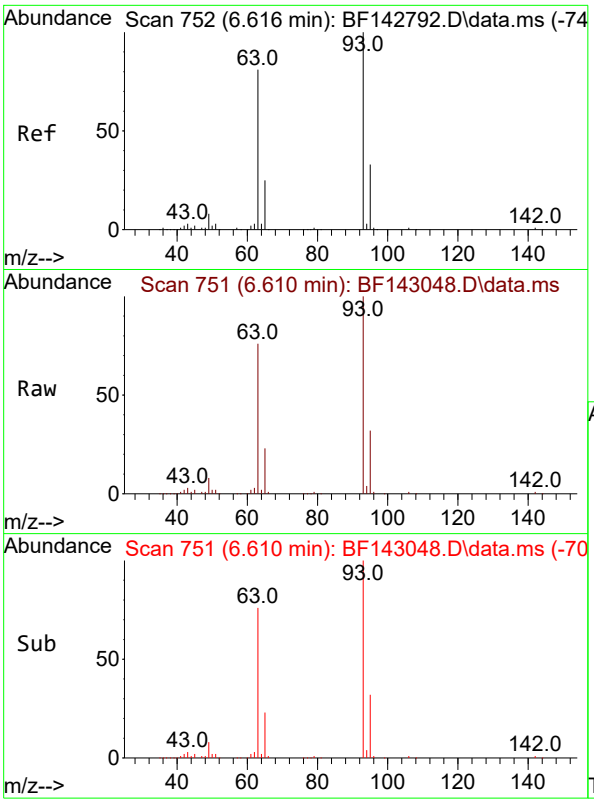




#10
Phenol
Concen: 39.308 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion: 94 Resp: 206185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 34.6 | 11.3 | 51.3 |
| 66 | 53.8 | 24.9 | 64.9 |



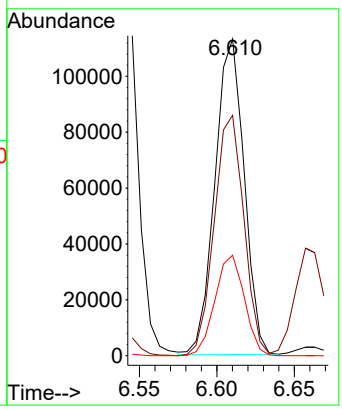


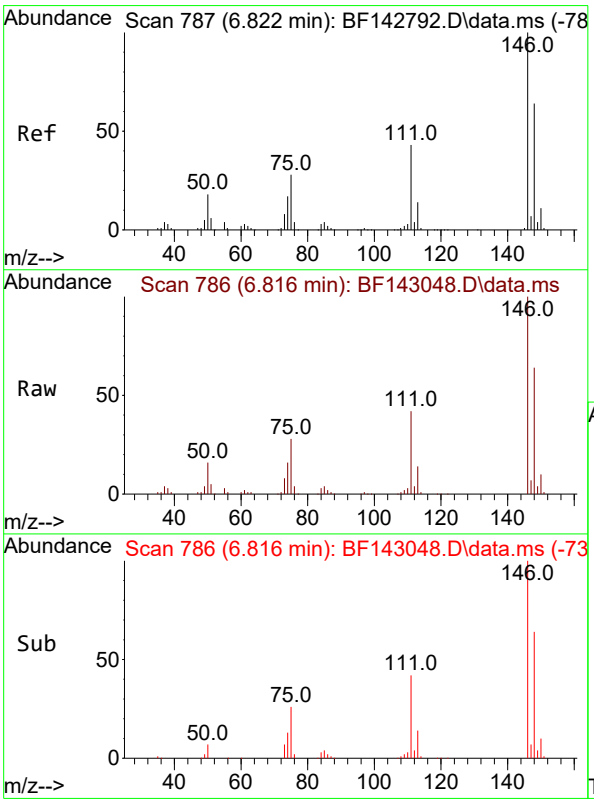

#11
bis(2-Chloroethyl)ether
Concen: 39.529 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 93 Resp: 148192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 75.9 | 60.3 | 100.3 |
| 95 | 31.7 | 12.5 | 52.5 |

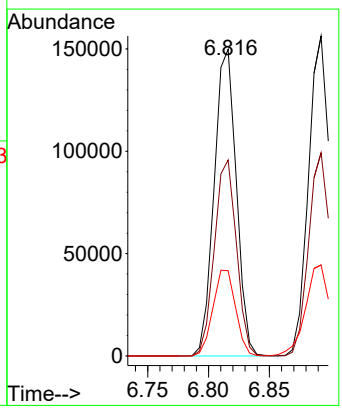


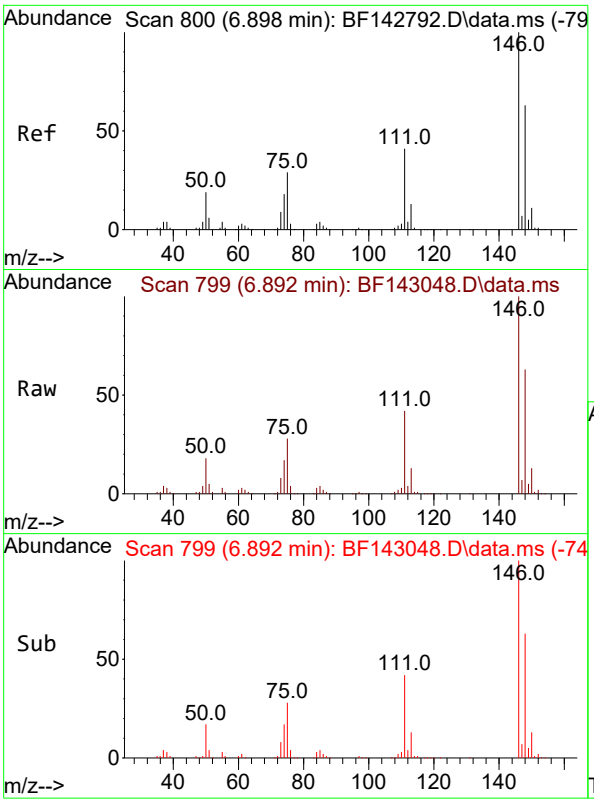




#12
1,3-Dichlorobenzene
Concen: 39.370 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:146 Resp: 189971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 51.1 | 76.7 |
| 75 | 27.8 | 22.7 | 34.1 |



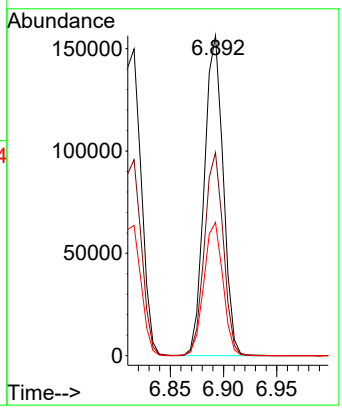


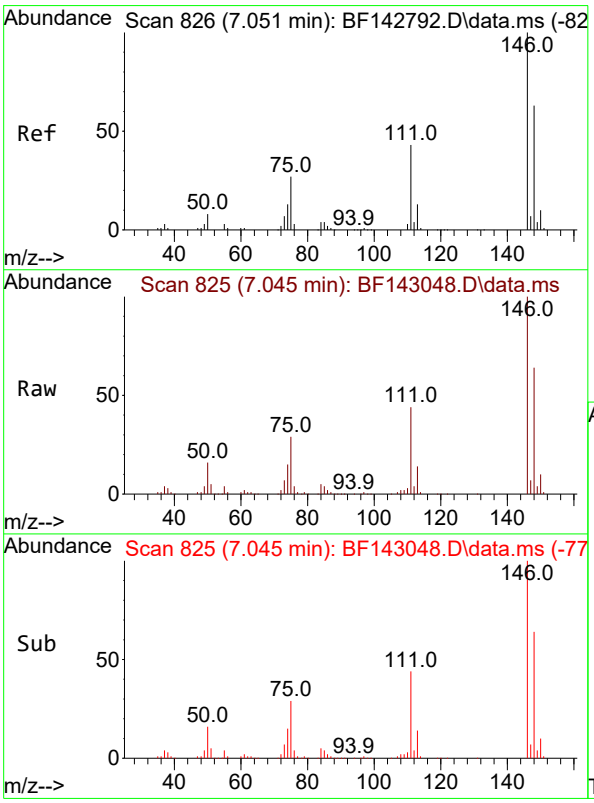

#13
1,4-Dichlorobenzene
Concen: 39.530 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:146 Resp: 192448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.5 | 50.2 | 75.2 |
| 111 | 41.6 | 33.2 | 49.8 |

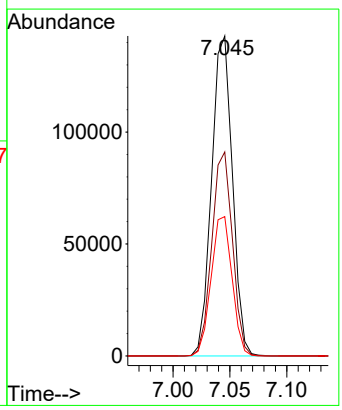


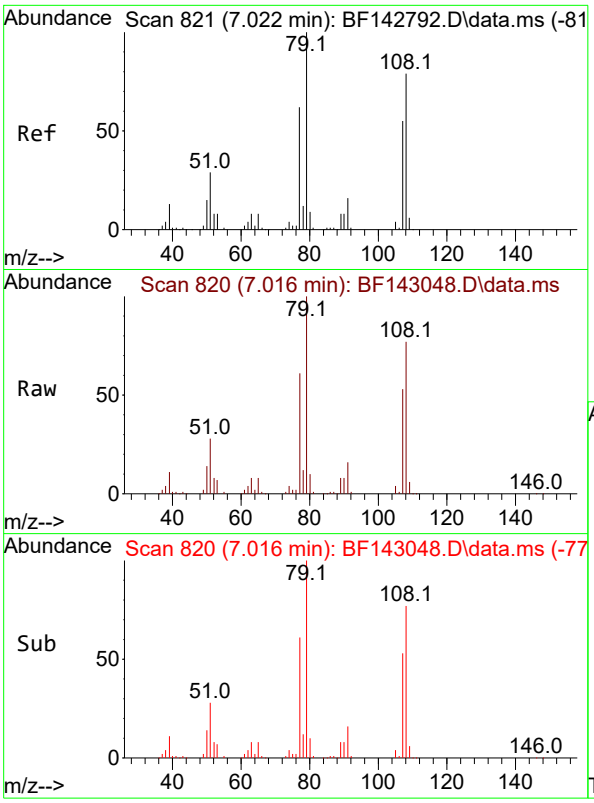




#14
1,2-Dichlorobenzene
Concen: 39.426 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:146 Resp: 182051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 50.4 | 75.6 |
| 111 | 43.6 | 34.1 | 51.1 |



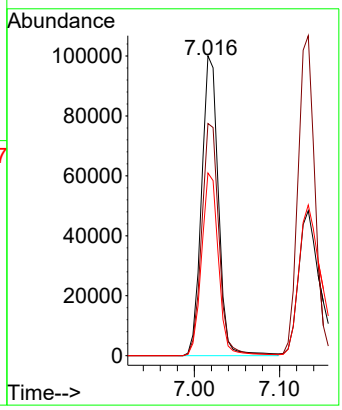


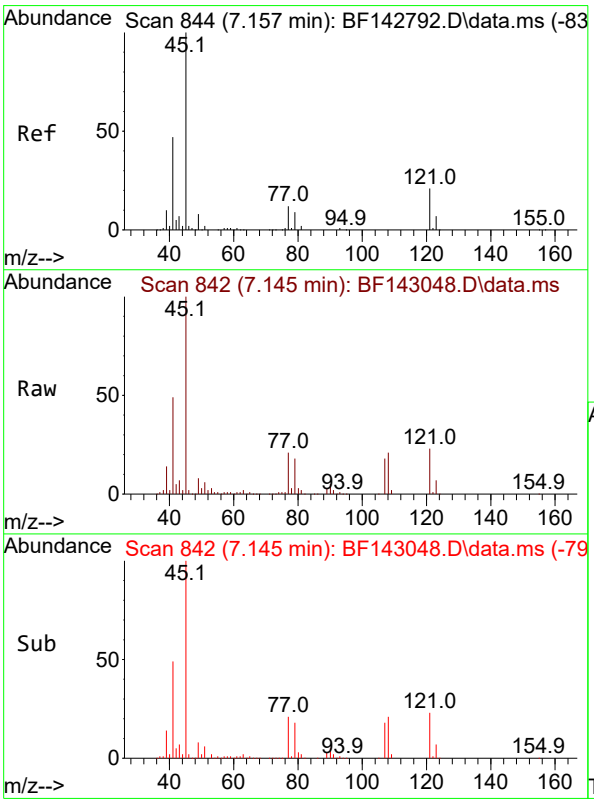

#15
Benzyl Alcohol
Concen: 40.276 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 137398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 77.4 | 63.4 | 95.0 |
| 77 | 60.9 | 49.5 | 74.3 |

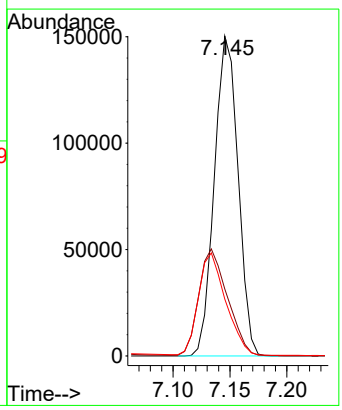


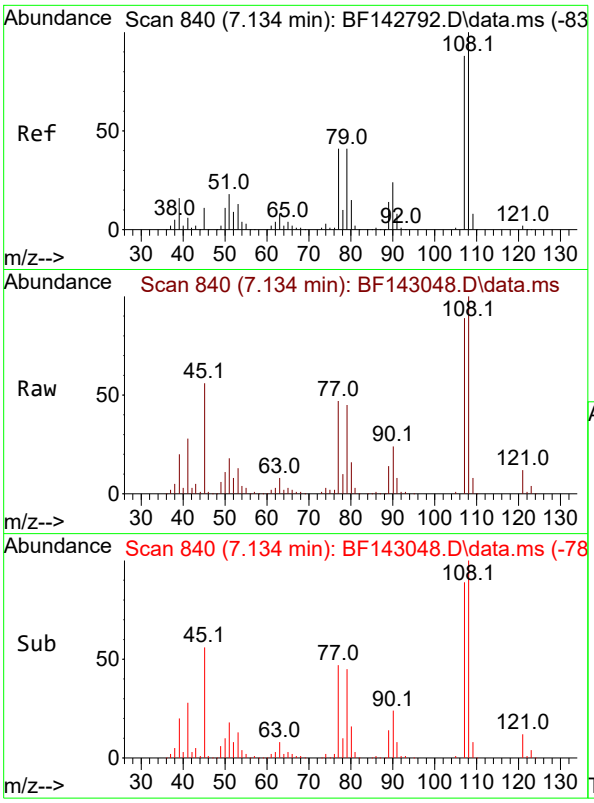




#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.167 ng
RT: 7.145 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion: 45 Resp: 217844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 21.0 | 0.0 | 32.8 |
| 79 | 17.8 | 0.0 | 29.8 |



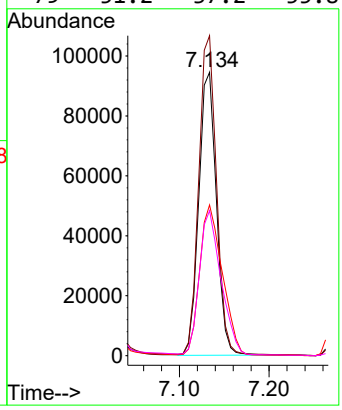


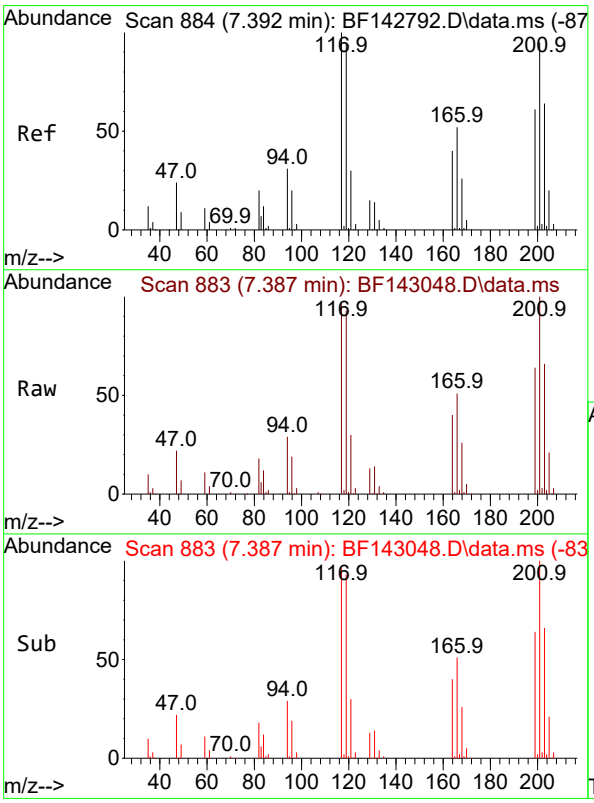

#17
2-Methylphenol
Concen: 39.442 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:107 Resp: 128959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.9 | 90.9 | 136.3 |
| 77 | 53.2 | 37.3 | 55.9 |
| 79 | 51.2 | 37.2 | 55.8 |

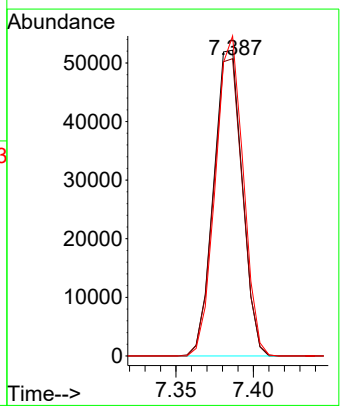


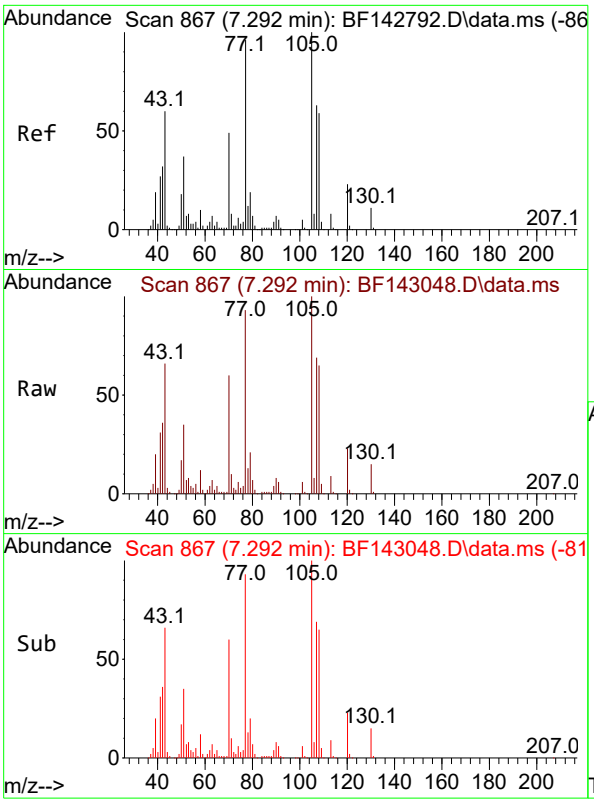




#18
Hexachloroethane
Concen: 39.381 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:117 Resp: 67058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.2 | 75.4 | 113.0 |
| 201 | 104.6 | 75.9 | 113.9 |



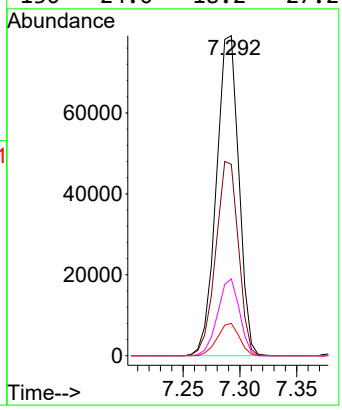


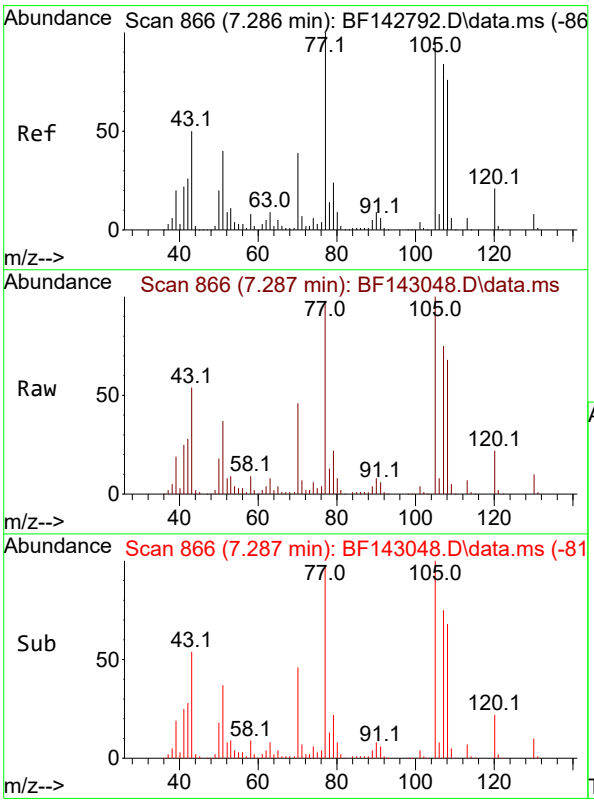

#19
n-Nitroso-di-n-propylamine
Concen: 39.730 ng
RT: 7.292 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 70 Resp: 109039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 59.8 | 52.1 | 78.1 |
| 101 | 10.1 | 8.2 | 12.2 |
| 130 | 24.0 | 18.2 | 27.2 |

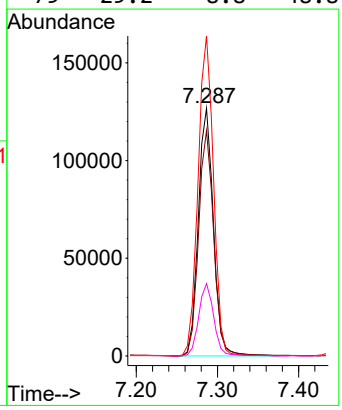


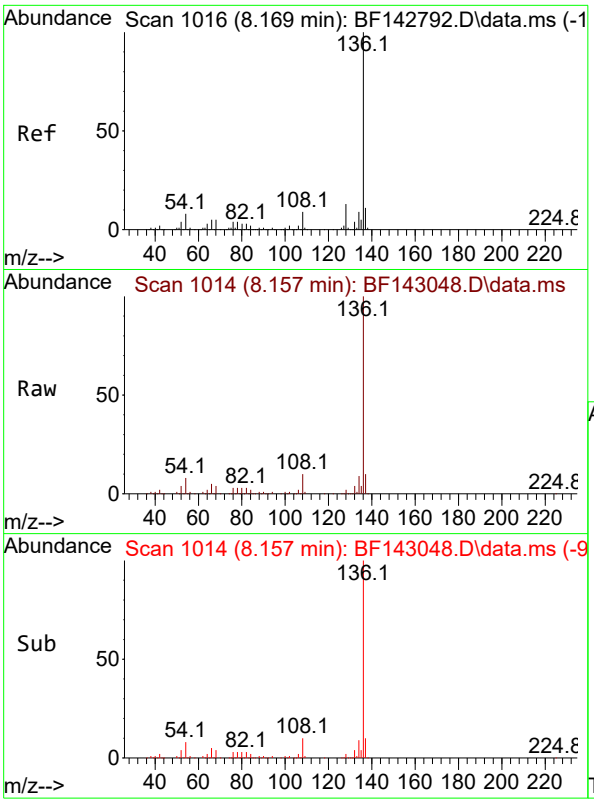




#20
3+4-Methylphenols
Concen: 40.452 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:107 Resp: 164907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.0 | 70.0 | 110.0 |
| 77 | 129.2 | 98.5 | 138.5 |
| 79 | 29.2 | 8.8 | 48.8 |



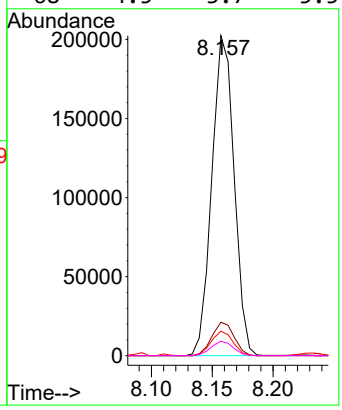


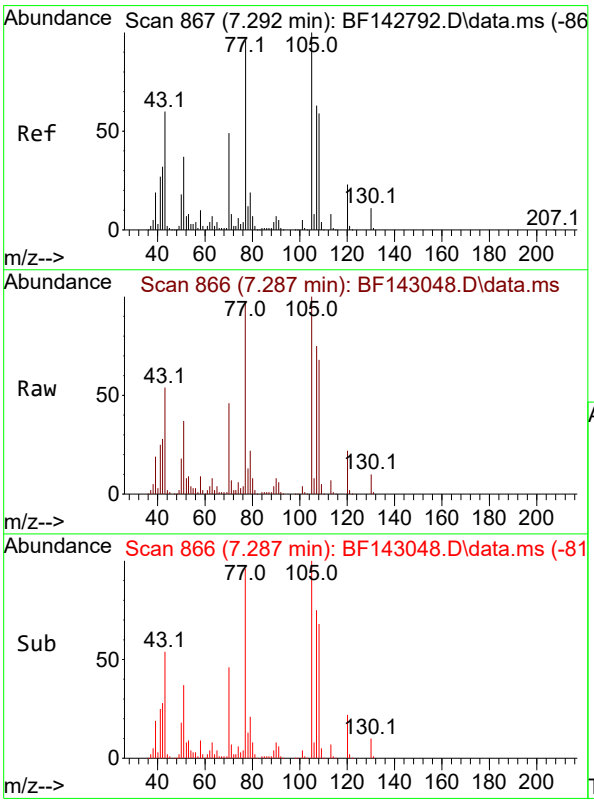

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:136 Resp: 257344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.5 | 8.4 | 12.6 |
| 54 | 7.6 | 6.3 | 9.5 |
| 68 | 4.5 | 3.7 | 5.5 |

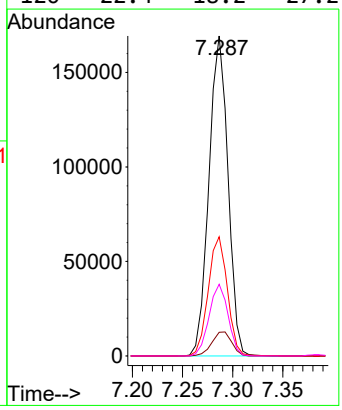


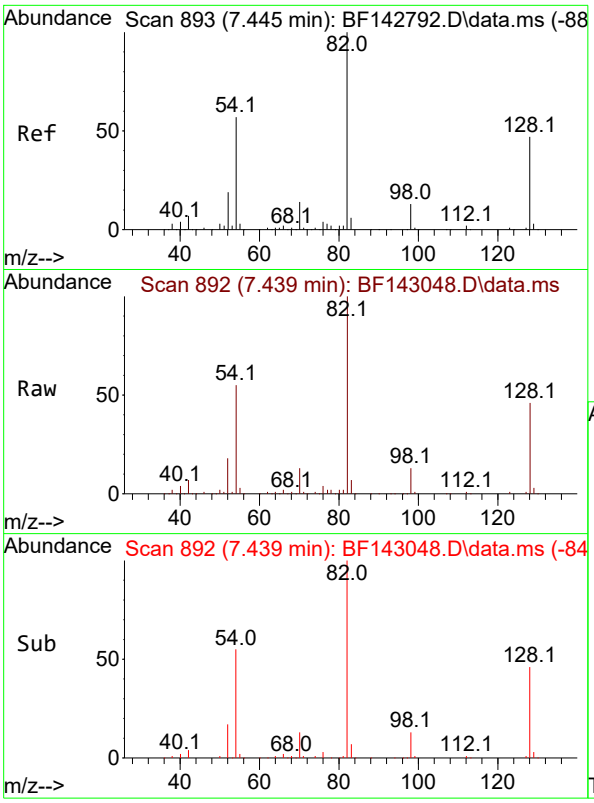




#22
Acetophenone
Concen: 39.455 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:105 Resp: 223904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.4 | 6.5 | 9.7 |
| 51 | 37.3 | 29.8 | 44.8 |
| 120 | 22.4 | 18.2 | 27.2 |



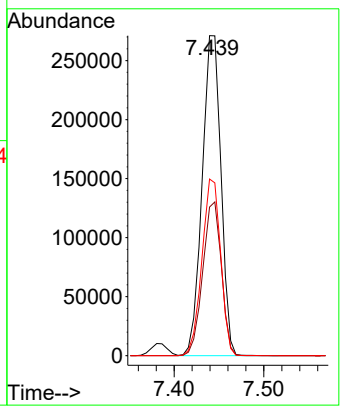


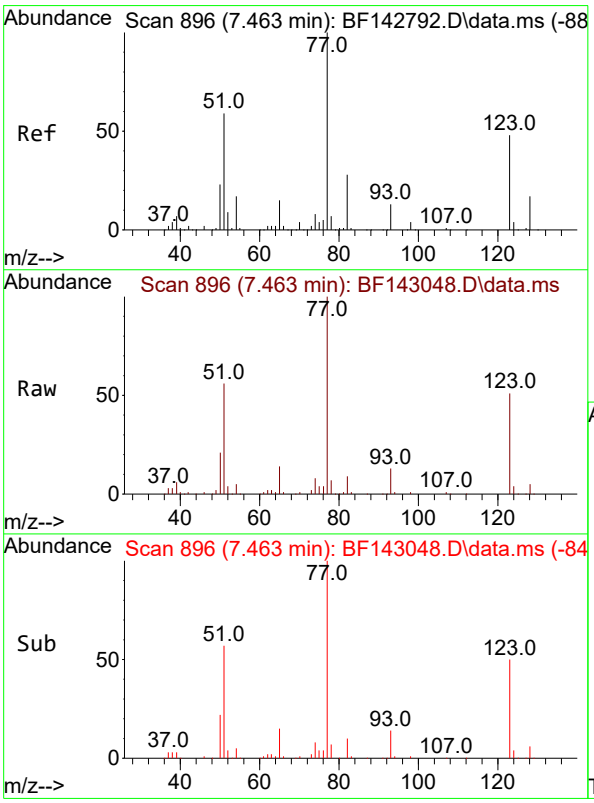

#23
Nitrobenzene-d5
Concen: 84.131 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 394718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.5 | 37.7 | 56.5 |
| 54 | 55.2 | 45.7 | 68.5 |

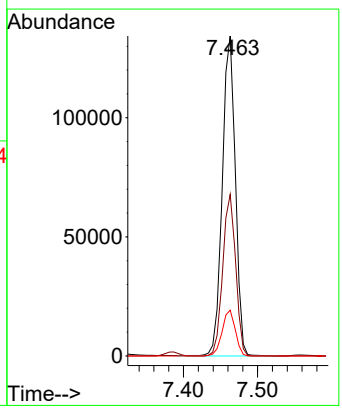


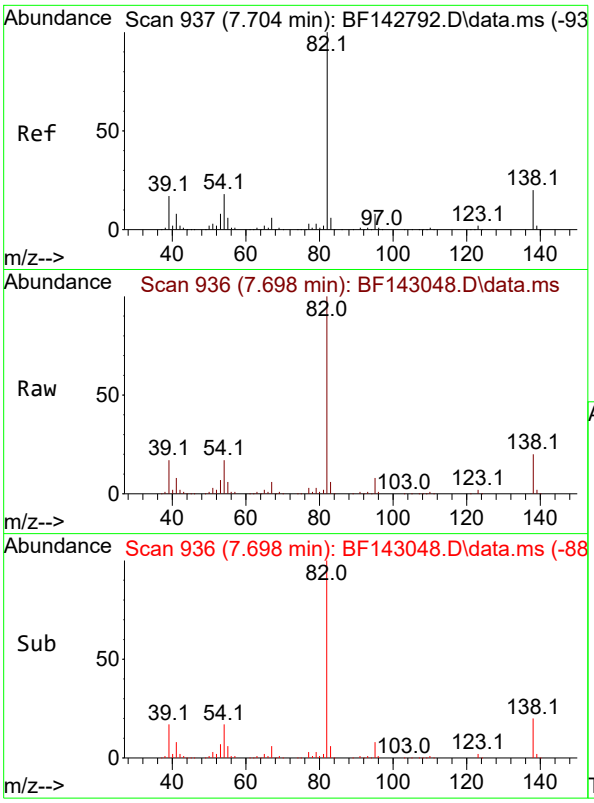




#24
Nitrobenzene
Concen: 38.894 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion: 77 Resp: 165163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 50.5 | 39.2 | 58.8 |
| 65 | 14.3 | 11.6 | 17.4 |



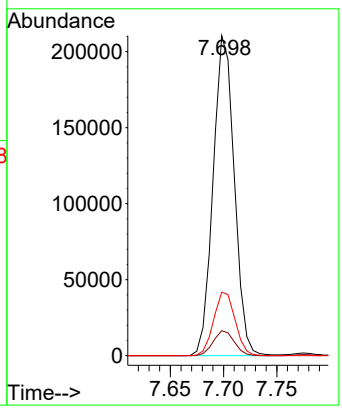


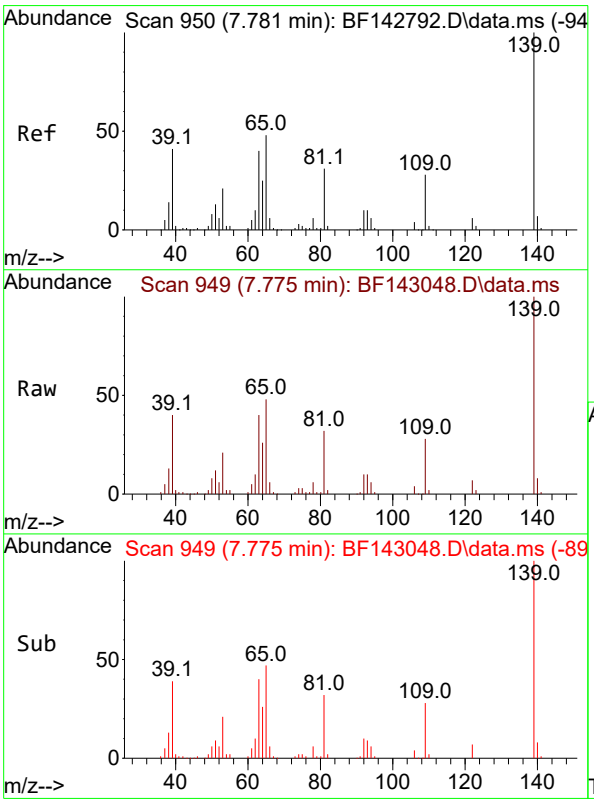

#25
Isophorone
Concen: 38.685 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 291150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.8 | 6.2 | 9.2 |
| 138 | 19.9 | 16.2 | 24.4 |

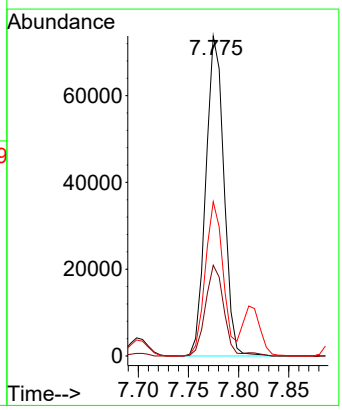


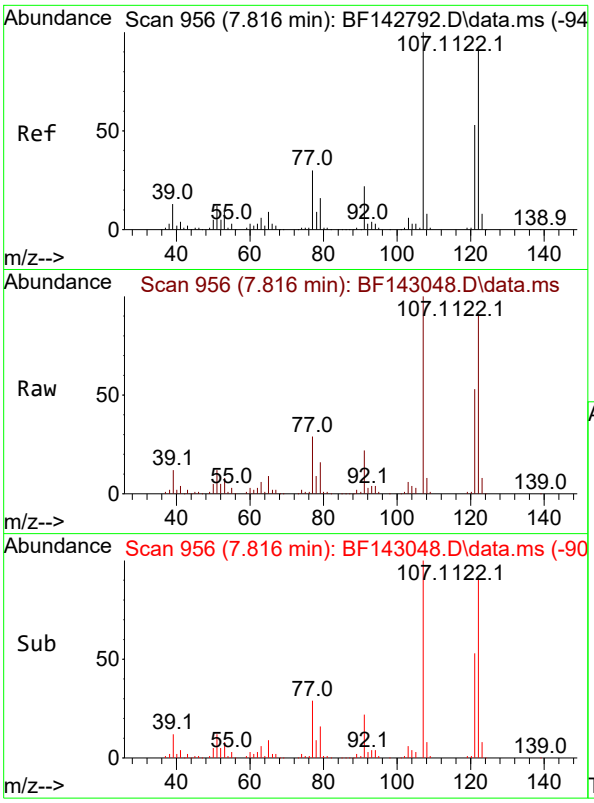




#26
2-Nitrophenol
Concen: 39.996 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:139 Resp: 92518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 28.3 | 22.7 | 34.1 |
| 65 | 48.2 | 38.6 | 58.0 |



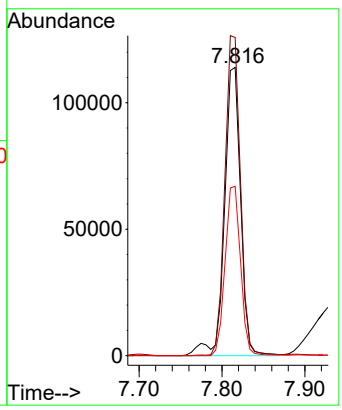


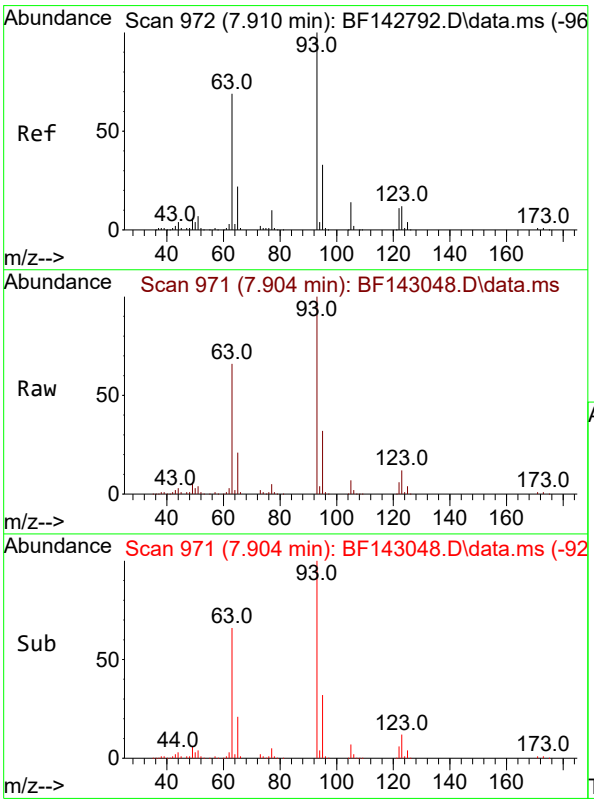

#27
2,4-Dimethylphenol
Concen: 38.323 ng m
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:122 Resp: 153557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 110.4 | 88.0 | 132.0 |
| 121 | 58.8 | 46.3 | 69.5 |

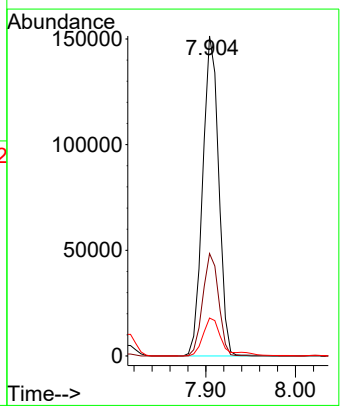


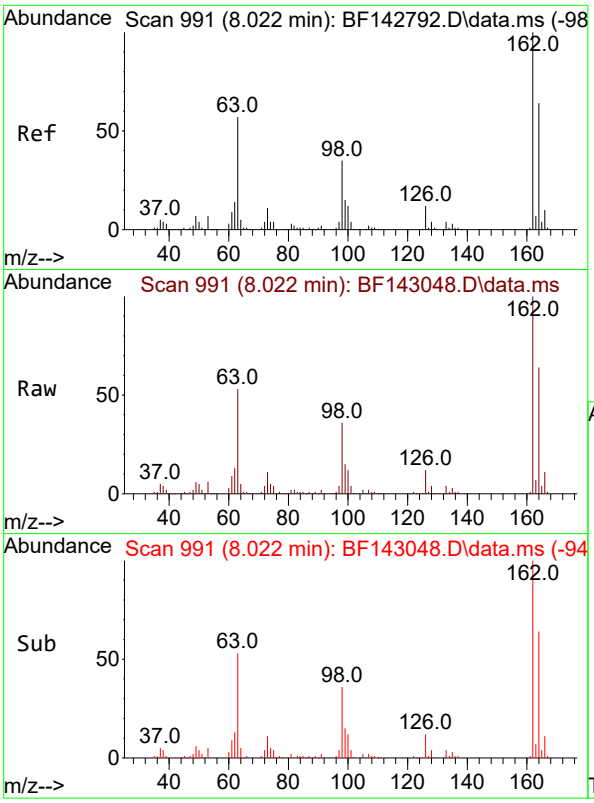




#28
bis(2-Chloroethoxy)methane
Concen: 39.139 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion: 93 Resp: 187275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.0 | 26.2 | 39.2 |
| 123 | 11.8 | 9.9 | 14.9 |



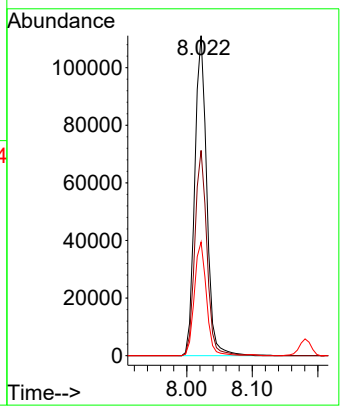


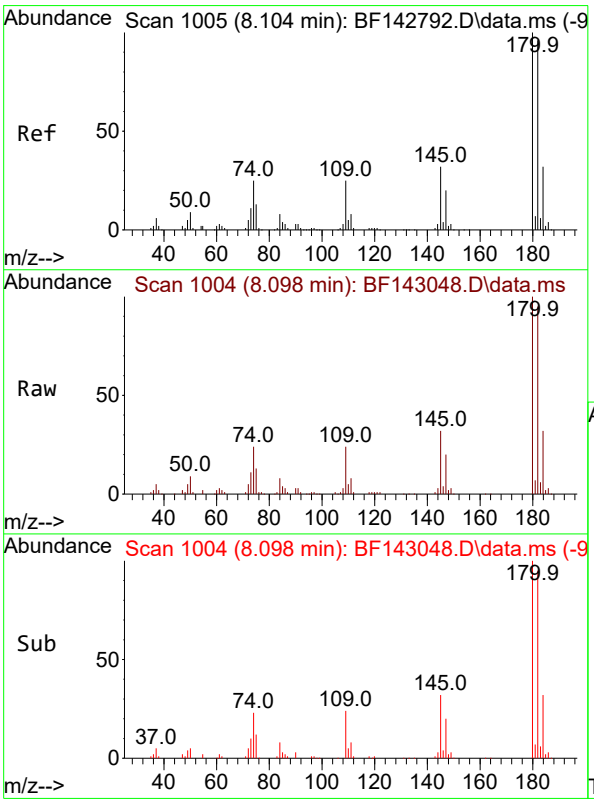

#29
2,4-Dichlorophenol
Concen: 39.186 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 142368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.1 | 44.0 | 84.0 |
| 98 | 35.5 | 15.4 | 55.4 |

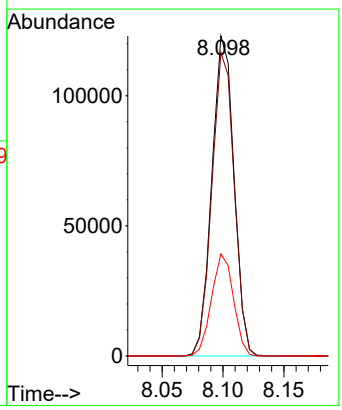


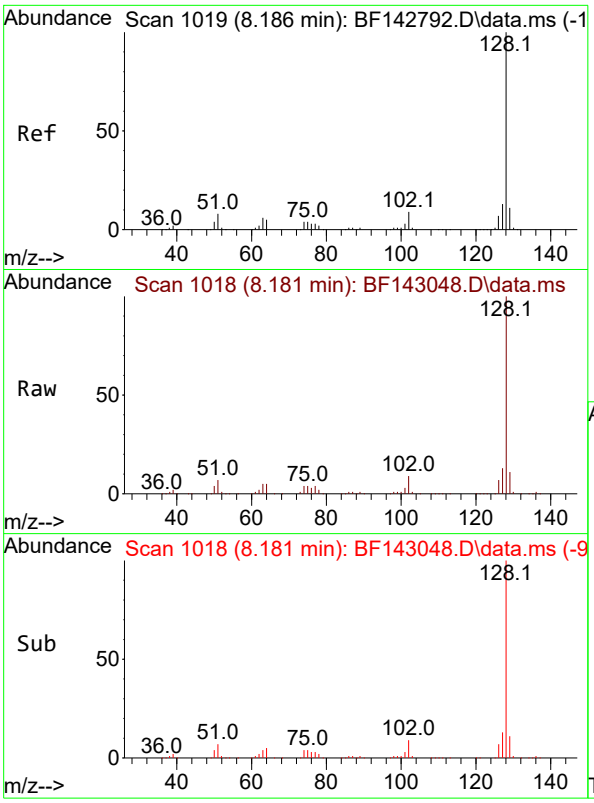




#30
1,2,4-Trichlorobenzene
Concen: 38.924 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:180 Resp: 155501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 76.4 | 114.6 |
| 145 | 31.9 | 25.8 | 38.8 |



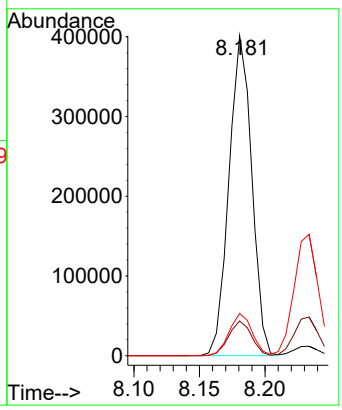


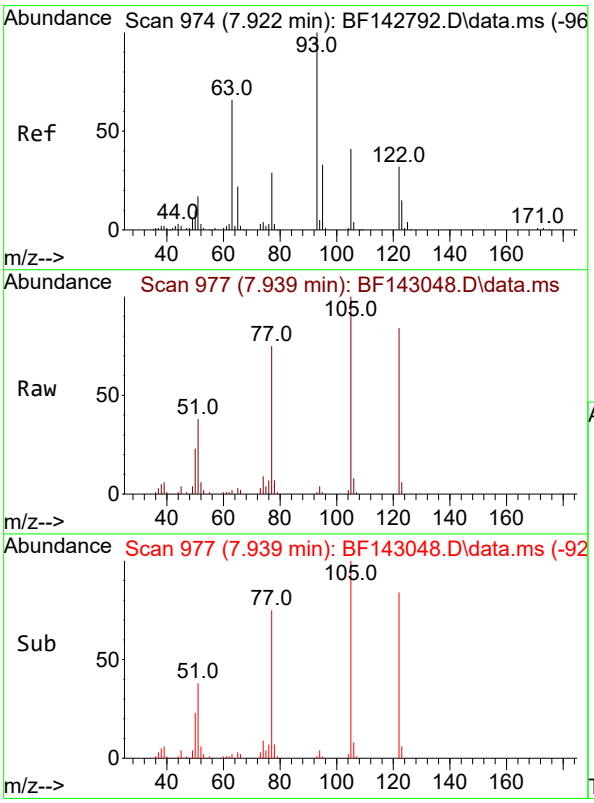

#31
Naphthalene
Concen: 38.510 ng
RT: 8.181 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:128 Resp: 485090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.9 | 13.3 |
| 127 | 13.2 | 10.4 | 15.6 |

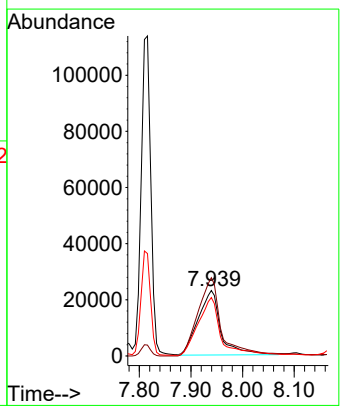


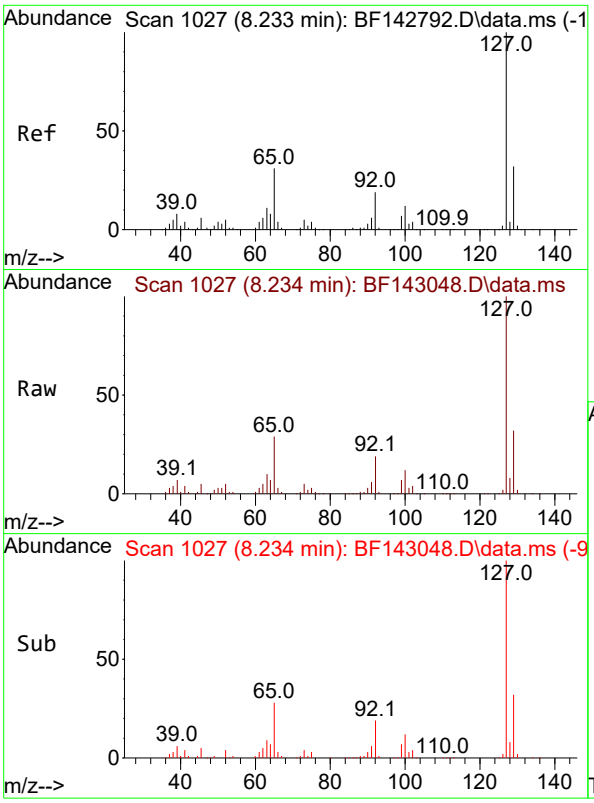




#32
Benzoic acid
Concen: 34.368 ng
RT: 7.939 min Scan# 977
Delta R.T. 0.018 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:122 Resp: 70188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 119.7 | 104.7 | 144.7 |
| 77 | 89.3 | 70.2 | 110.2 |



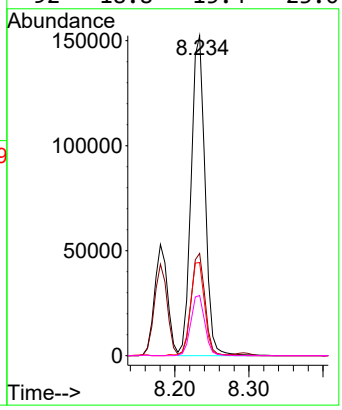


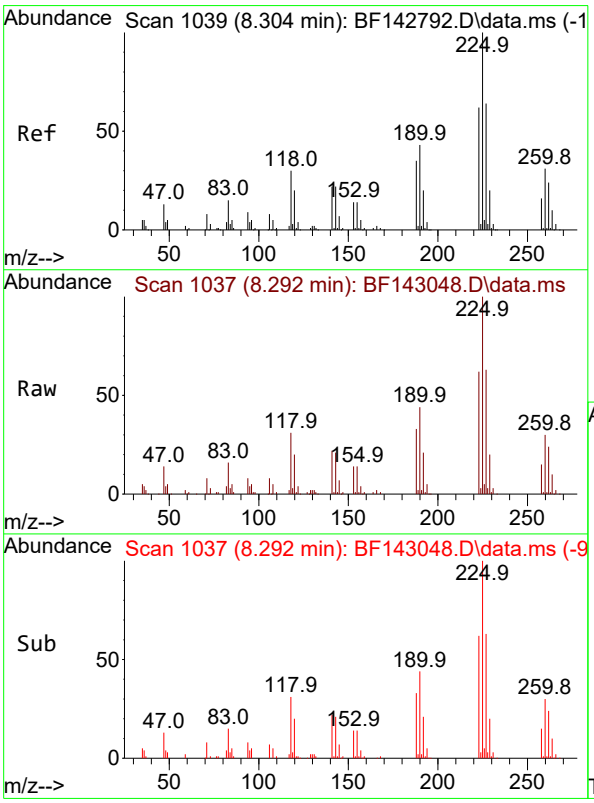

#33
4-Chloroaniline
Concen: 38.729 ng
RT: 8.234 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:127 Resp: 198369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.9 | 25.9 | 38.9 |
| 65 | 29.1 | 24.6 | 36.8 |
| 92 | 18.8 | 15.4 | 23.0 |

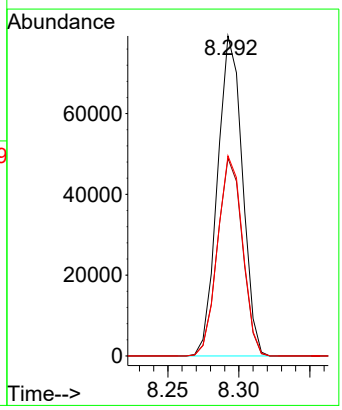


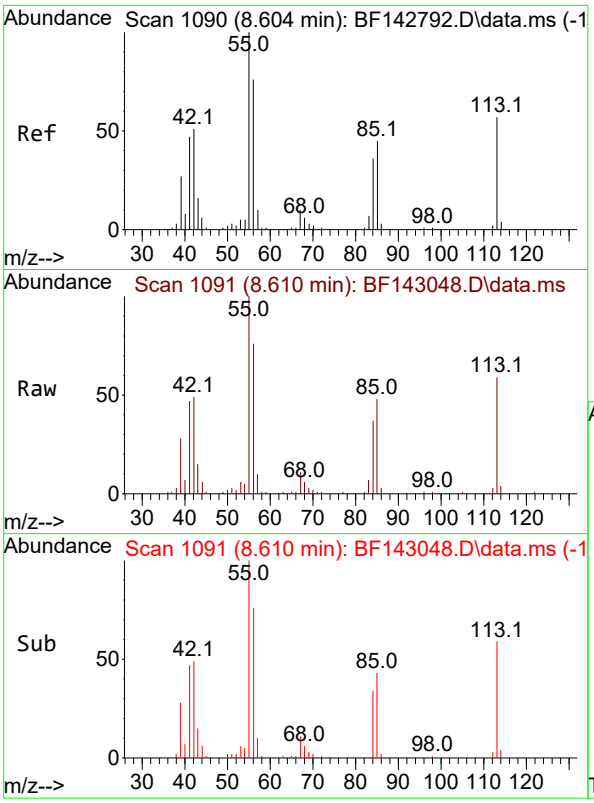




#34
Hexachlorobutadiene
Concen: 39.459 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.012 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:225 Resp: 96425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.8 | 49.9 | 74.9 |
| 227 | 62.6 | 51.4 | 77.0 |



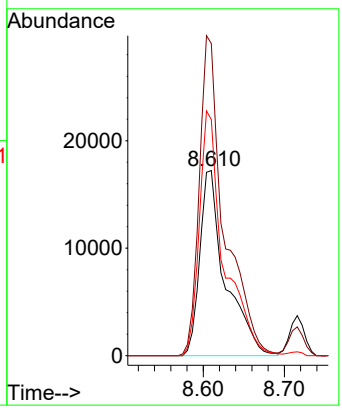


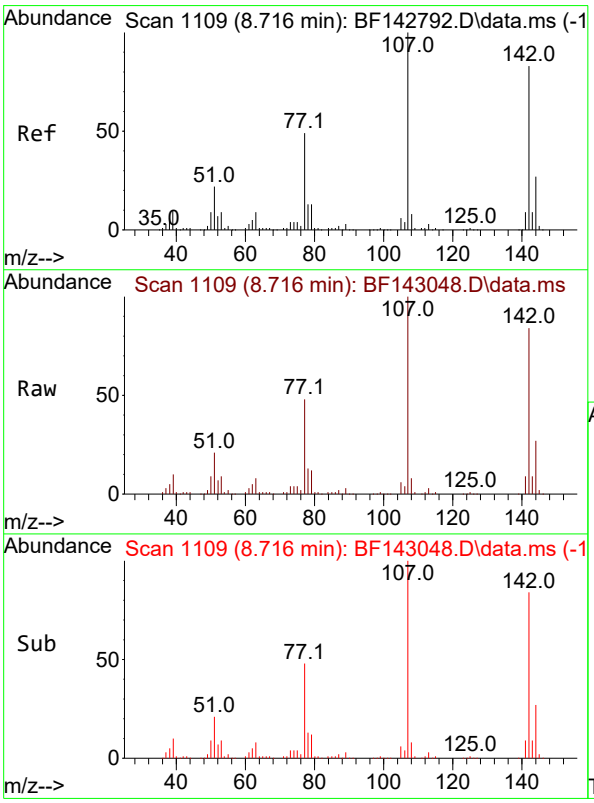

#35
Caprolactam
Concen: 39.295 ng
RT: 8.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:113 Resp: 37672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 168.6 | 154.4 | 194.4 |
| 56 | 127.5 | 112.1 | 152.1 |

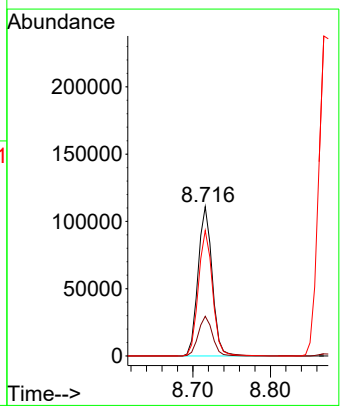


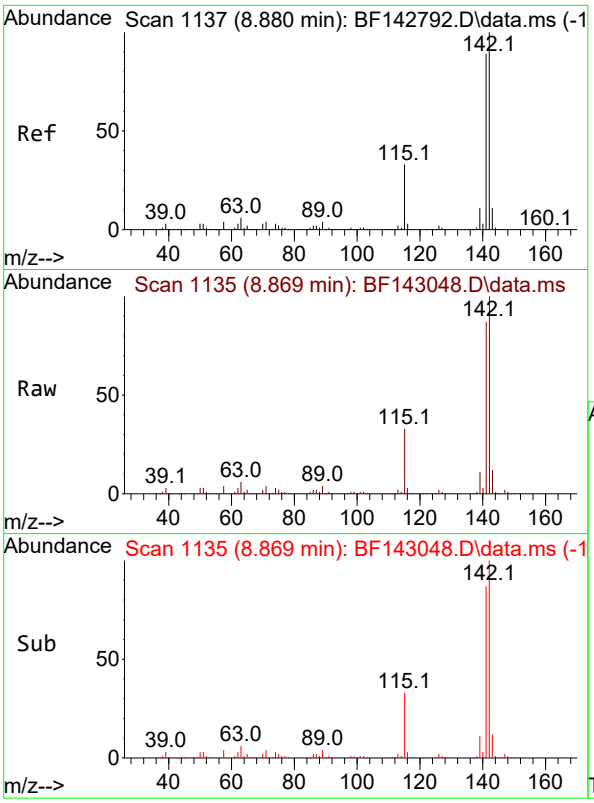




#36
4-Chloro-3-methylphenol
Concen: 39.110 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:107 Resp: 141216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.5 | 21.3 | 31.9 |
| 142 | 84.0 | 66.6 | 100.0 |



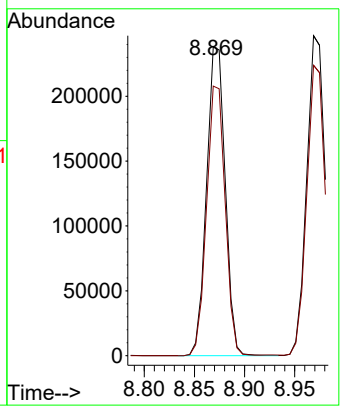


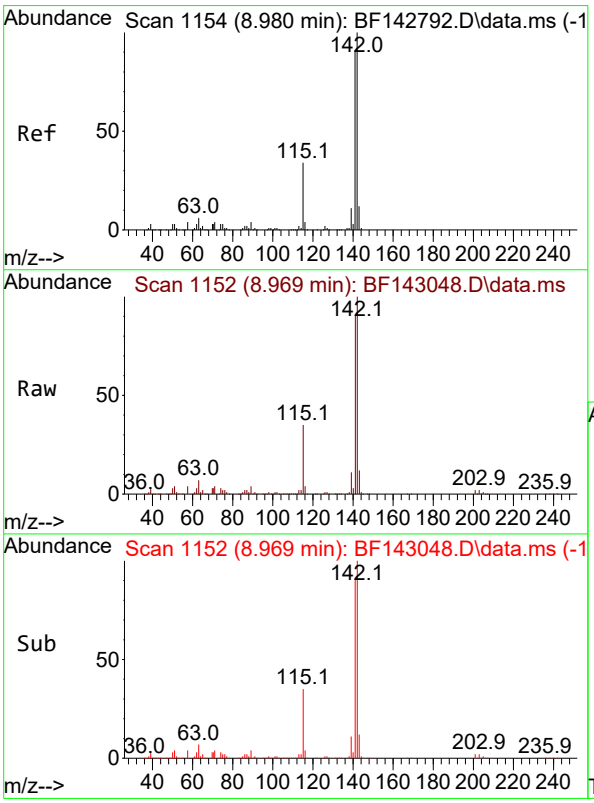

#37
2-Methylnaphthalene
Concen: 39.399 ng
RT: 8.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:142 Resp: 307684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.4 | 70.9 | 106.3 |

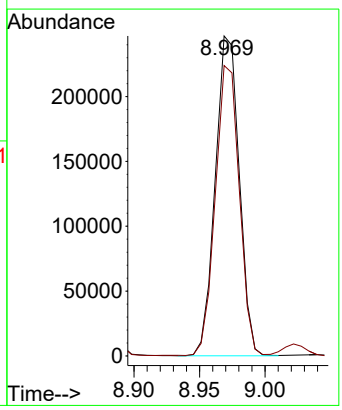


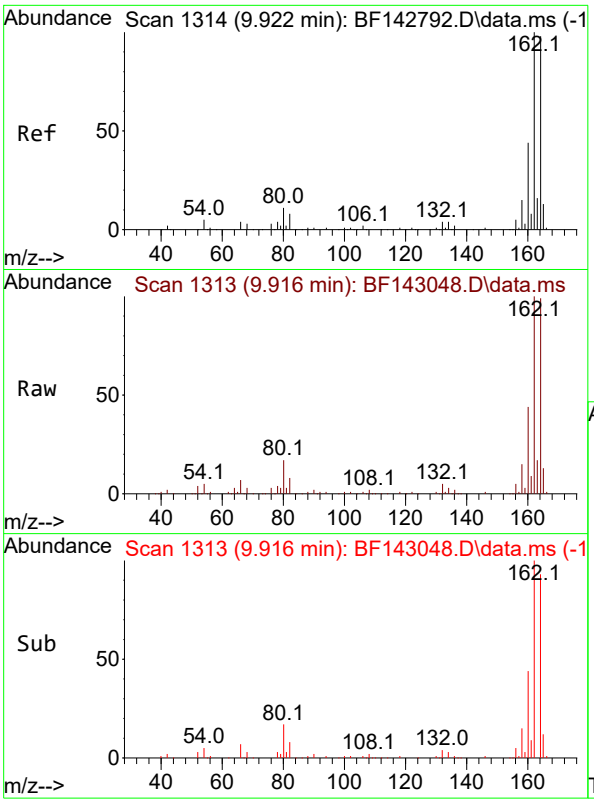




#38
1-Methylnaphthalene
Concen: 38.726 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:142 Resp: 313072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.8 | 73.0 | 109.4 |



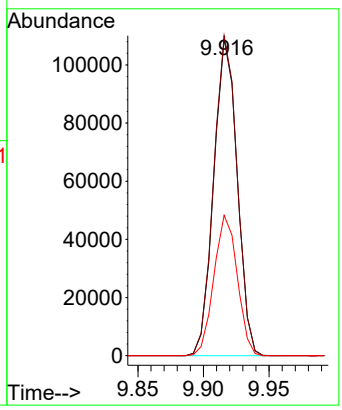


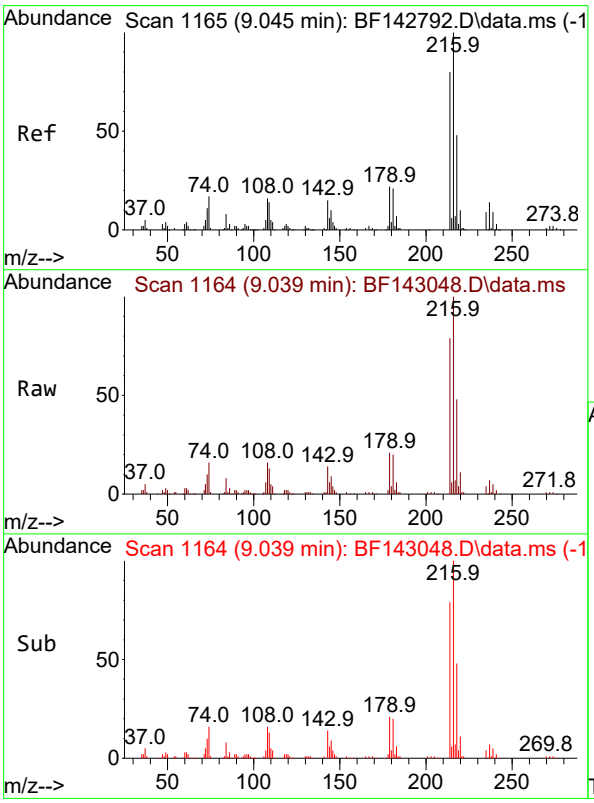

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:164 Resp: 135062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.0 | 81.8 | 122.8 |
| 160 | 44.3 | 36.0 | 54.0 |

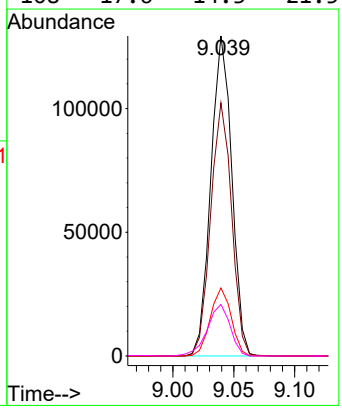


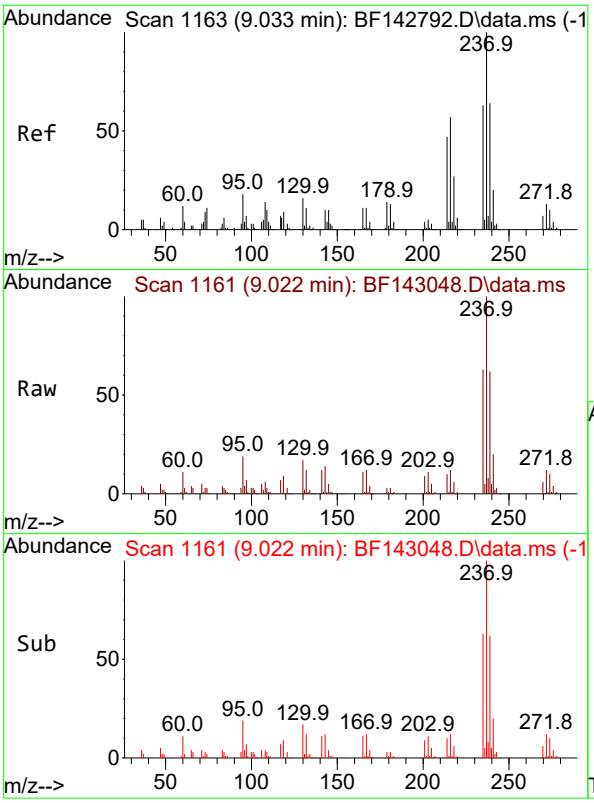




#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.800 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:216 Resp: 154627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.9 | 63.7 | 95.5 |
| 179 | 21.1 | 17.6 | 26.4 |
| 108 | 17.6 | 14.3 | 21.5 |



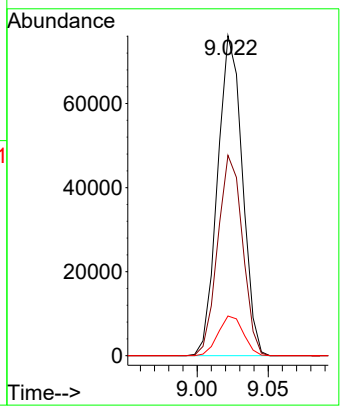


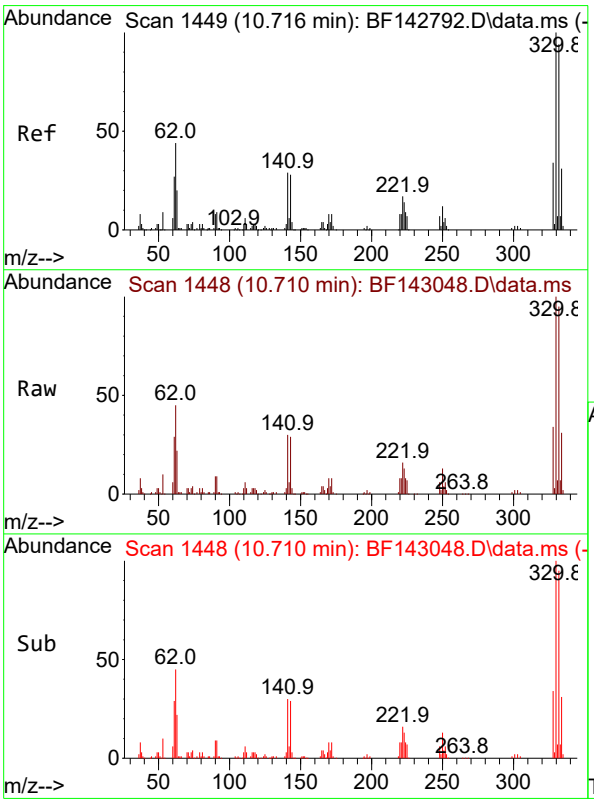

#41
Hexachlorocyclopentadiene
Concen: 40.772 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:237 Resp: 92207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.6 | 43.4 | 83.4 |
| 272 | 12.4 | 0.0 | 32.7 |

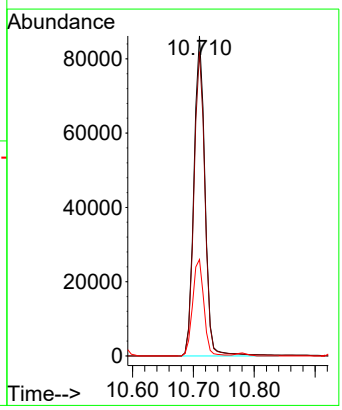


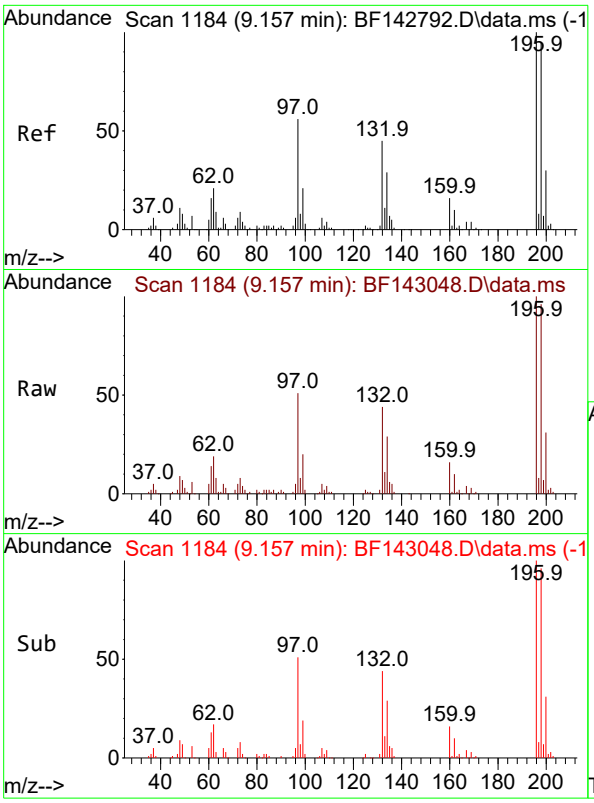




#42
2,4,6-Tribromophenol
Concen: 78.425 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:330 Resp: 109001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.0 | 75.0 | 112.6 |
| 141 | 30.6 | 25.3 | 37.9 |



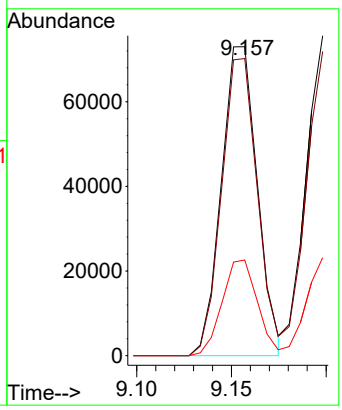


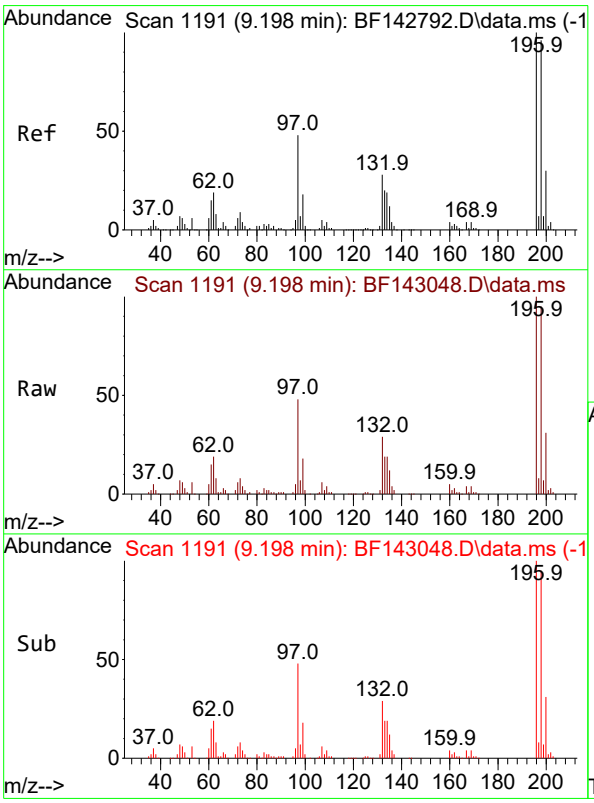

#43
2,4,6-Trichlorophenol
Concen: 37.080 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:196 Resp: 96292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.2 | 76.2 | 114.2 |
| 200 | 31.0 | 24.1 | 36.1 |

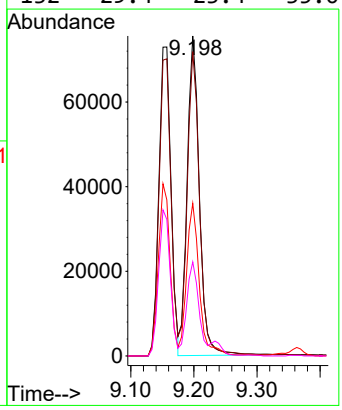


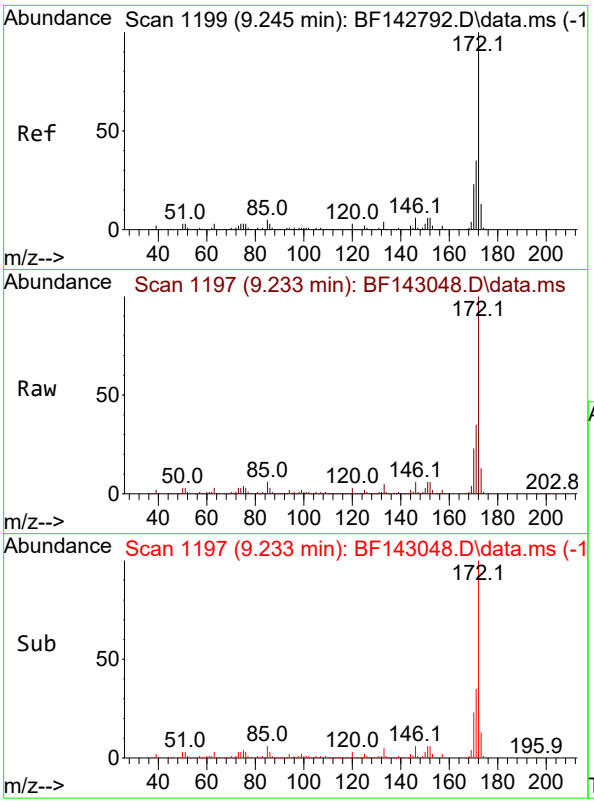




#44
2,4,5-Trichlorophenol
Concen: 37.440 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:196 Resp: 102349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.1 | 76.6 | 115.0 |
| 97 | 47.7 | 38.2 | 57.2 |
| 132 | 29.4 | 23.4 | 35.0 |



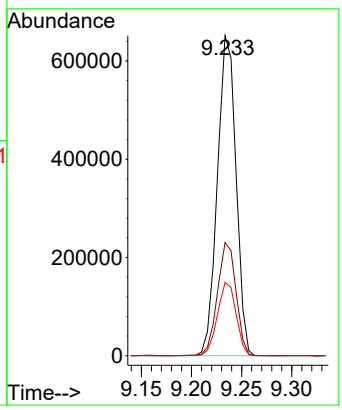


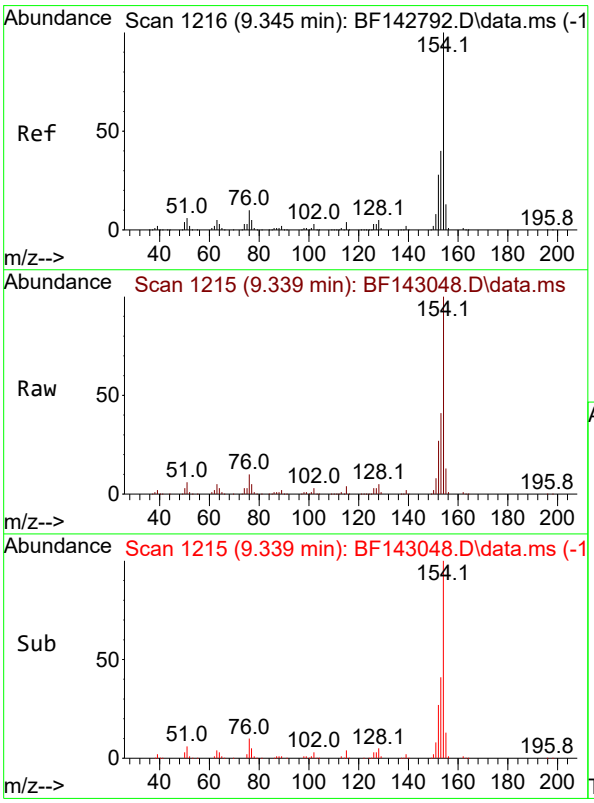

#45
2-Fluorobiphenyl
Concen: 81.687 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:172 Resp: 839846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.2 | 42.4 |
| 170 | 22.9 | 18.5 | 27.7 |

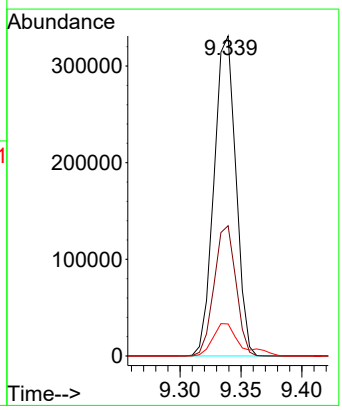


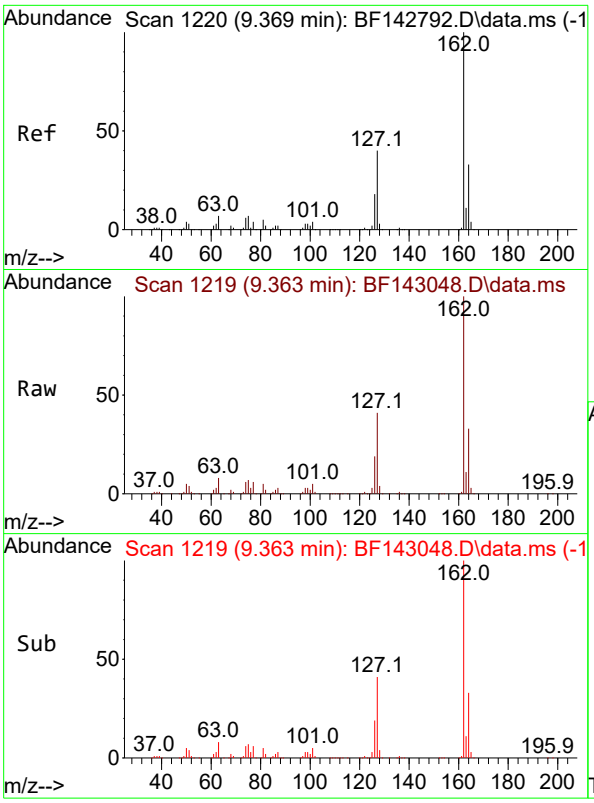




#46
1,1'-Biphenyl
Concen: 38.796 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:154 Resp: 413921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.7 | 20.3 | 60.3 |
| 76 | 10.0 | 0.0 | 30.3 |



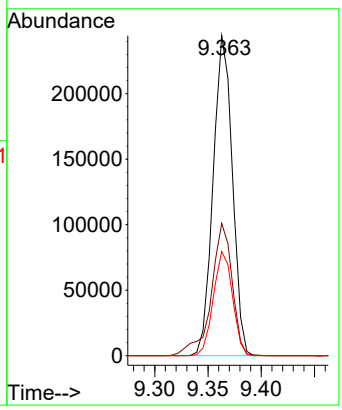


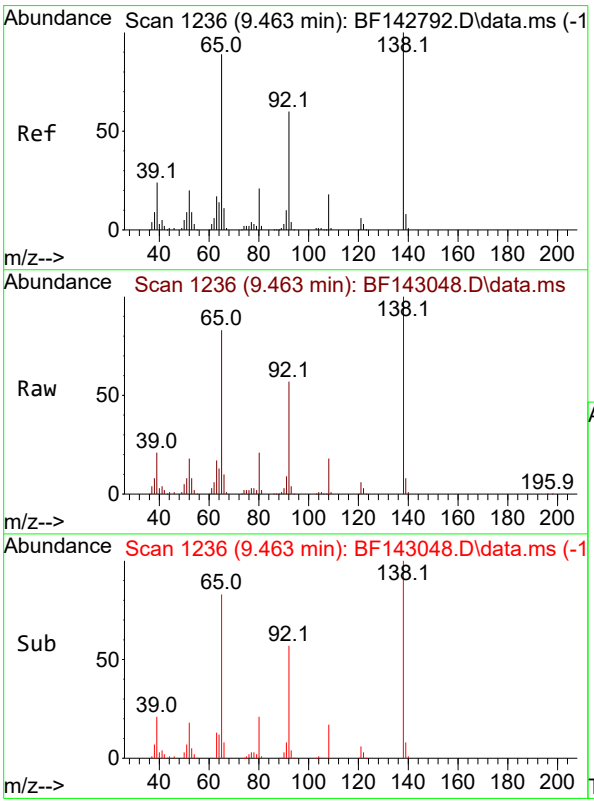

#47
2-Chloronaphthalene
Concen: 38.255 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 306289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.3 | 32.2 | 48.2 |
| 164 | 32.5 | 26.1 | 39.1 |

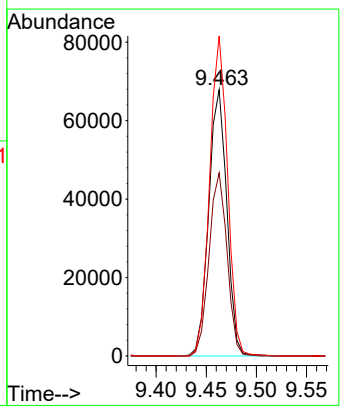


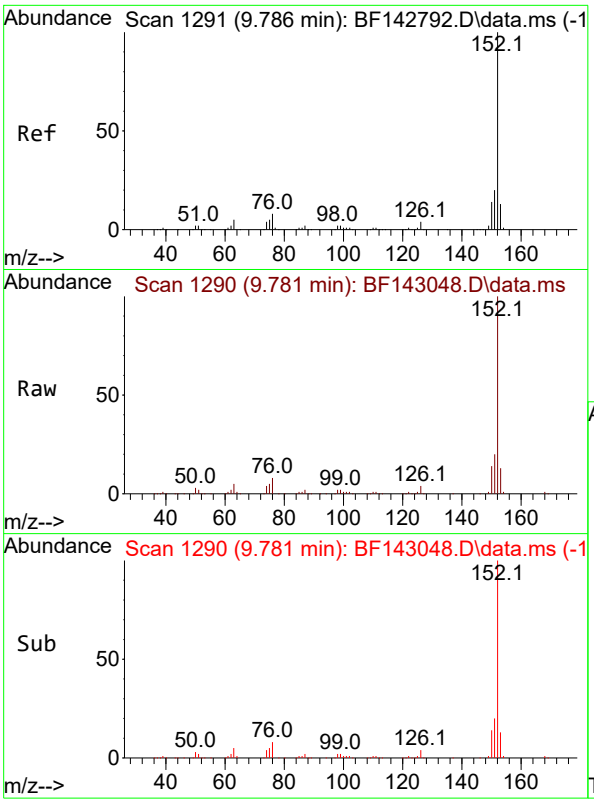




#48
2-Nitroaniline
Concen: 38.099 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion: 65 Resp: 85518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 68.8 | 53.8 | 80.6 |
| 138 | 120.2 | 89.6 | 134.4 |



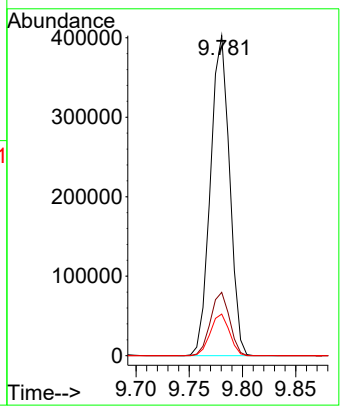


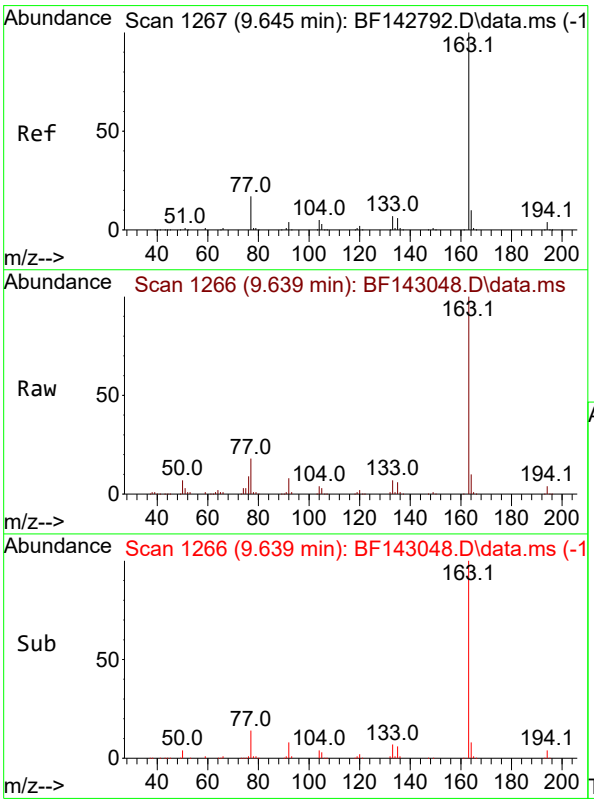

#49
Acenaphthylene
Concen: 38.176 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 503177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 16.1 | 24.1 |
| 153 | 13.0 | 10.4 | 15.6 |

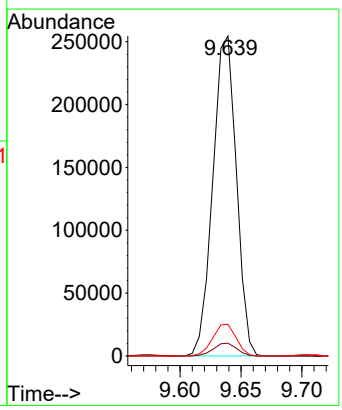


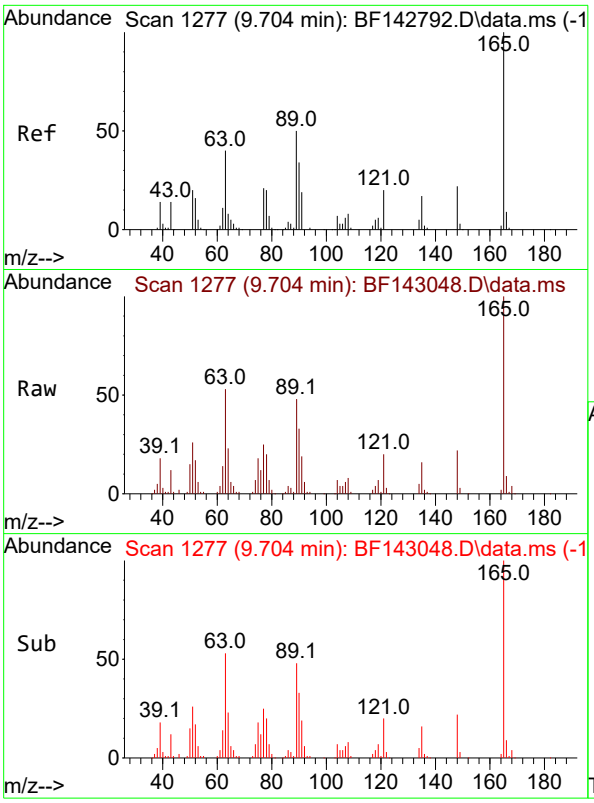




#50
Dimethylphthalate
Concen: 39.177 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:163 Resp: 342506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.3 | 4.9 |
| 164 | 9.9 | 8.0 | 12.0 |



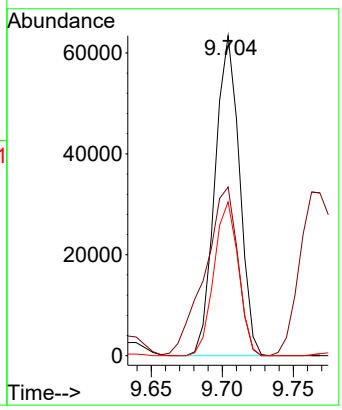


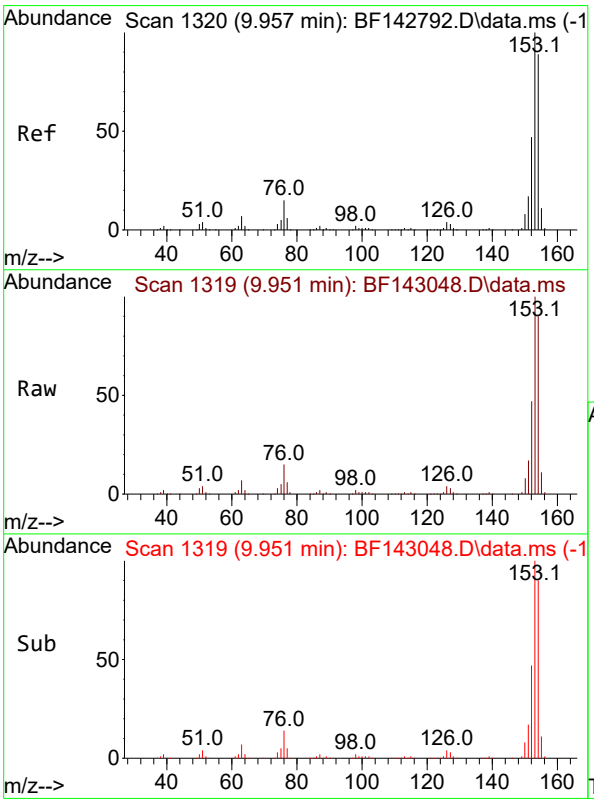

#51
2,6-Dinitrotoluene
Concen: 39.500 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 75838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 52.7 | 44.2 | 66.4 |
| 89 | 48.1 | 39.8 | 59.8 |

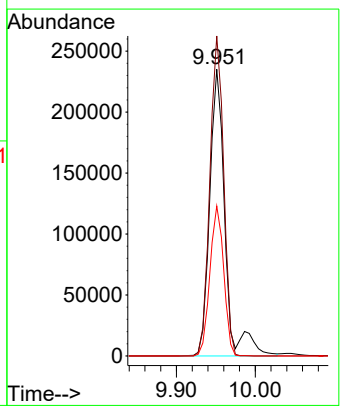


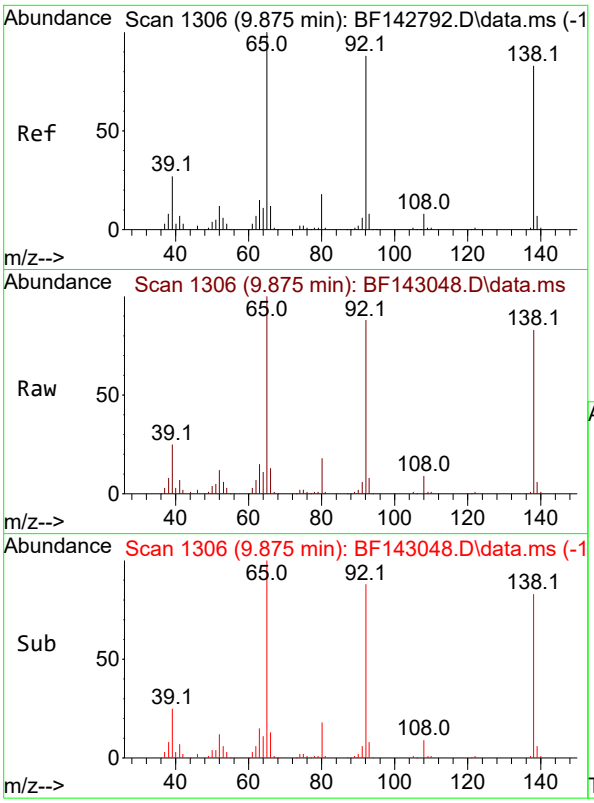




#52
Acenaphthene
Concen: 39.371 ng m
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:154 Resp: 316605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.6 | 90.0 | 135.0 |
| 152 | 52.3 | 41.9 | 62.9 |



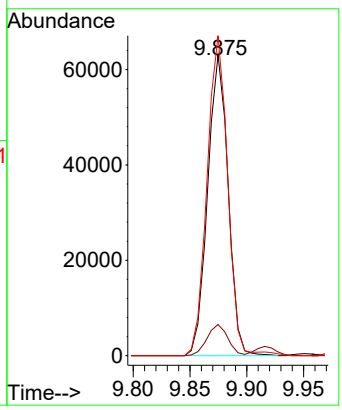


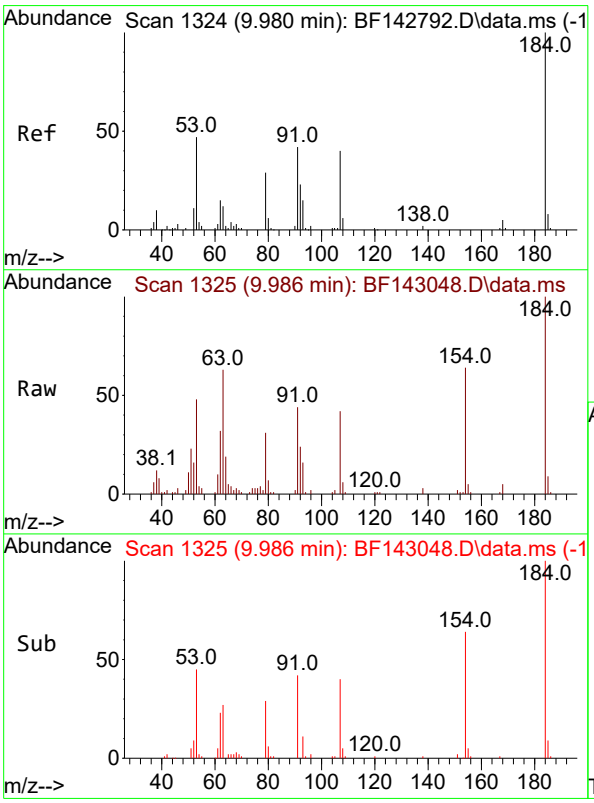

#53
3-Nitroaniline
Concen: 37.342 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:138 Resp: 78937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.4 | 8.1 | 12.1 |
| 92 | 106.5 | 85.1 | 127.7 |

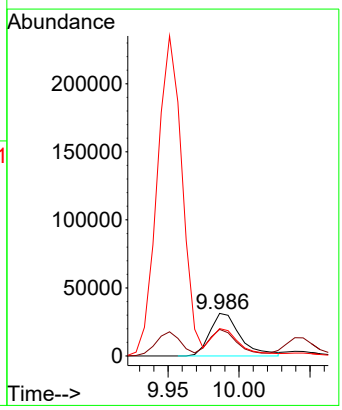


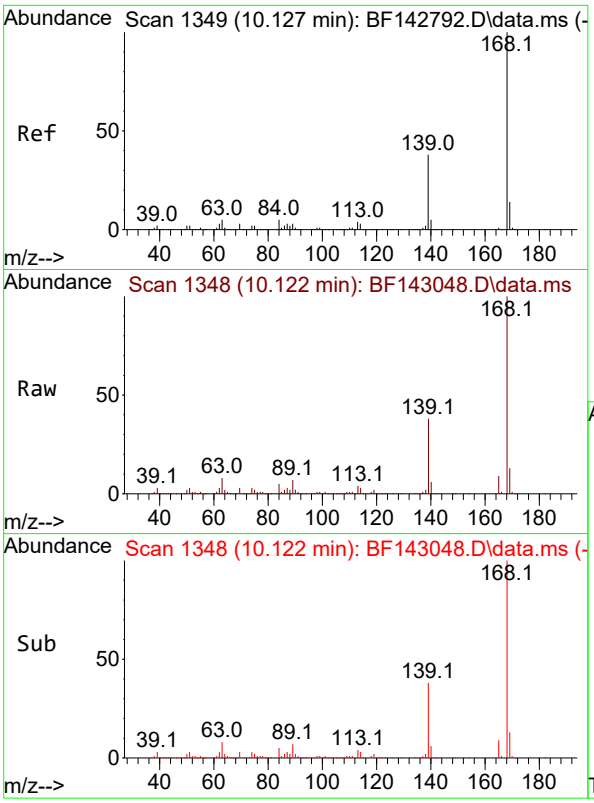




#54
2,4-Dinitrophenol
Concen: 48.583 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:184 Resp: 46706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 62.6 | 50.6 | 75.8 |
| 154 | 64.2 | 51.8 | 77.8 |



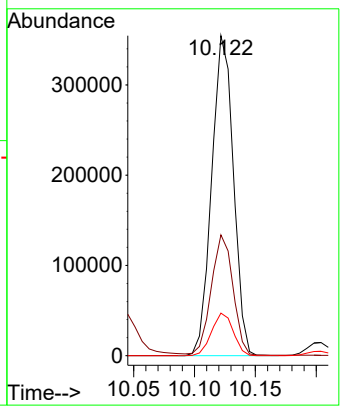


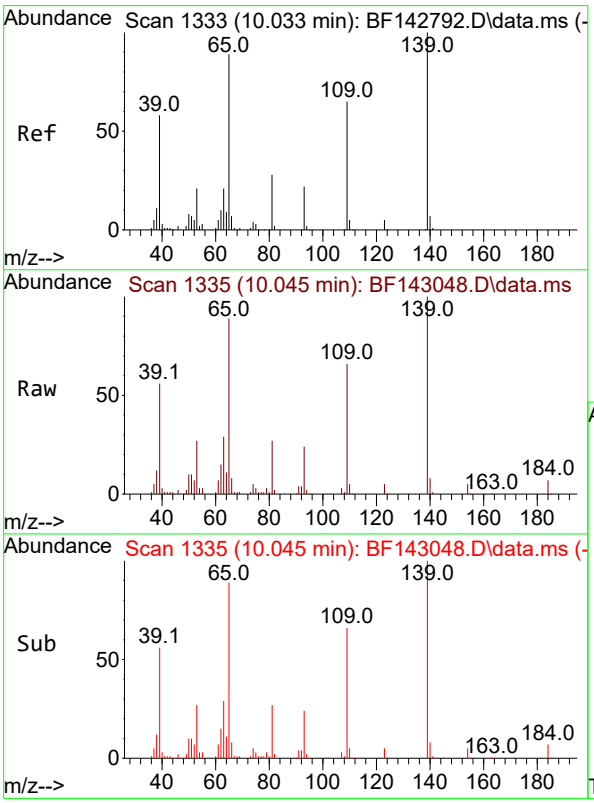

#55
Dibenzofuran
Concen: 38.190 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:168 Resp: 440391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.8 | 30.2 | 45.4 |
| 169 | 13.3 | 10.8 | 16.2 |

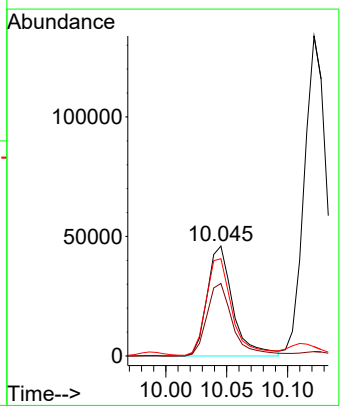


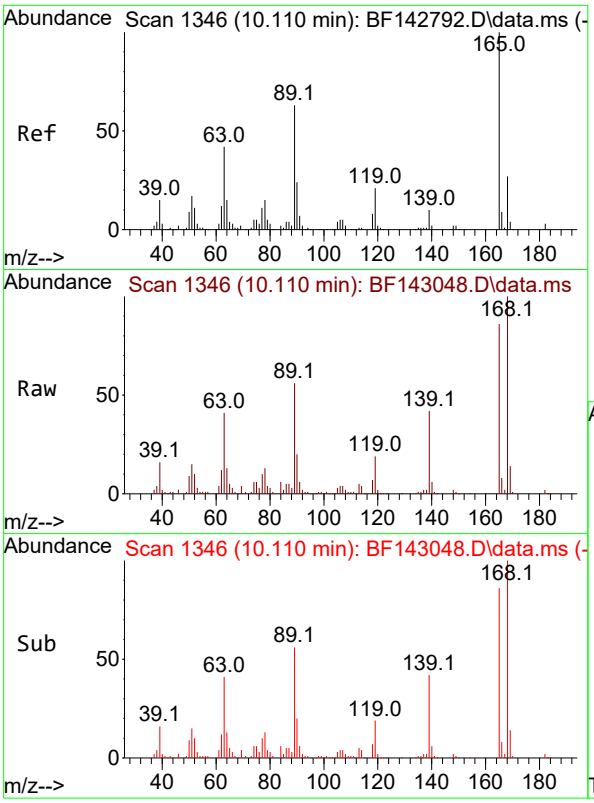




#56
4-Nitrophenol
Concen: 46.654 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.012 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:139 Resp: 67517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 65.9 | 44.7 | 84.7 |
| 65 | 88.5 | 69.8 | 109.8 |



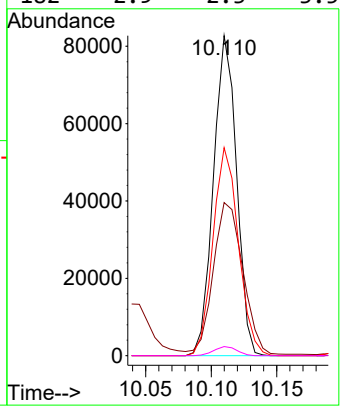


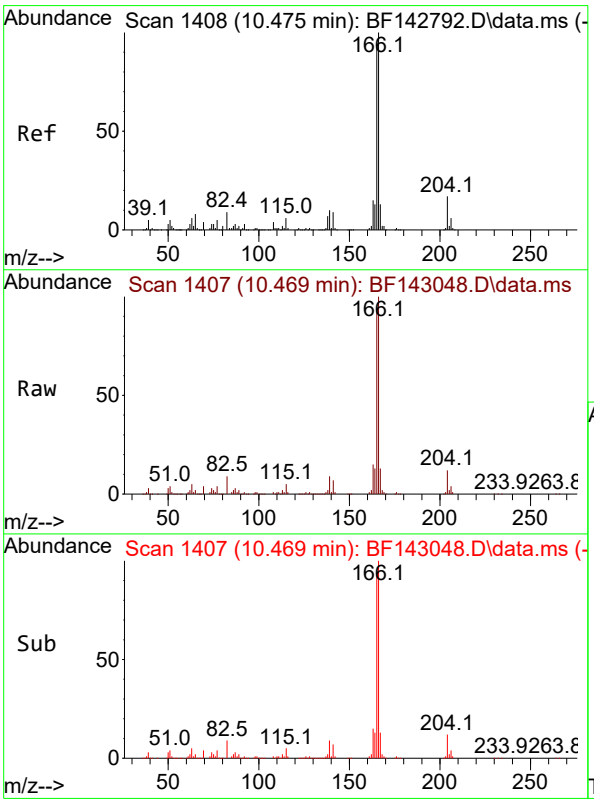

#57
2,4-Dinitrotoluene
Concen: 39.687 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 101213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.8 | 33.9 | 50.9 |
| 89 | 65.0 | 50.6 | 75.8 |
| 182 | 2.9 | 2.3 | 3.5 |

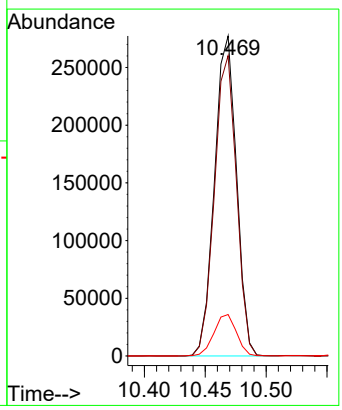


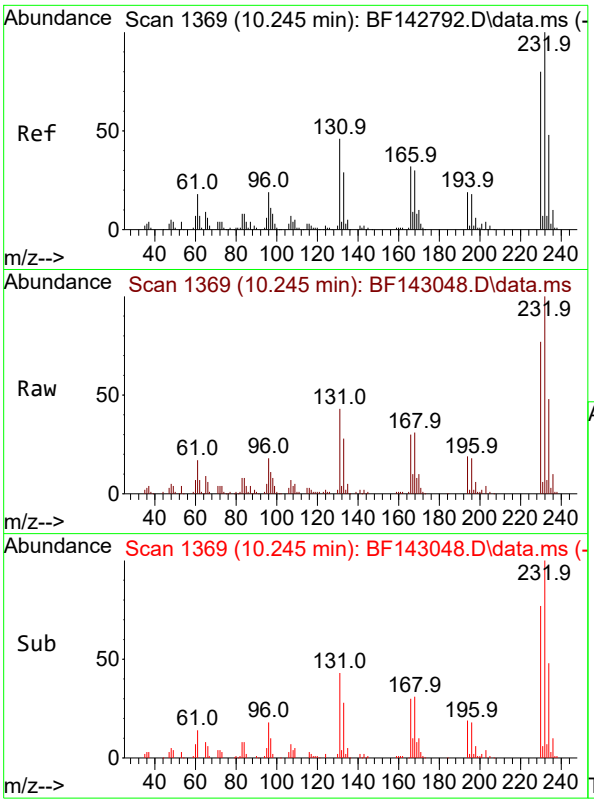




#58
Fluorene
Concen: 38.743 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:166 Resp: 348917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.8 | 75.2 | 112.8 |
| 167 | 13.0 | 10.6 | 15.8 |



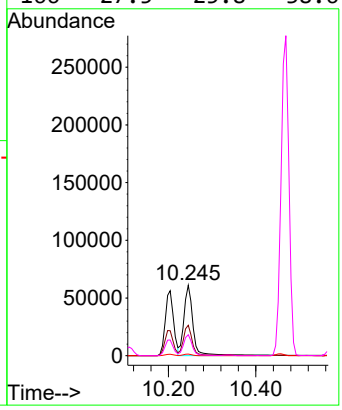


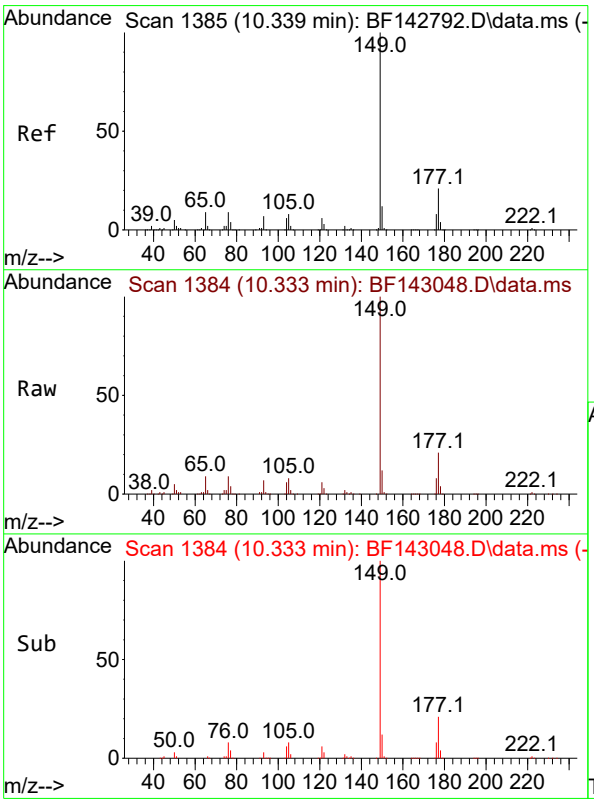

#59
2,3,4,6-Tetrachlorophenol
Concen: 39.043 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:232 Resp: 86032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 41.5 | 37.6 | 56.4 |
| 130 | 2.2 | 1.7 | 2.5 |
| 166 | 27.5 | 25.8 | 38.6 |

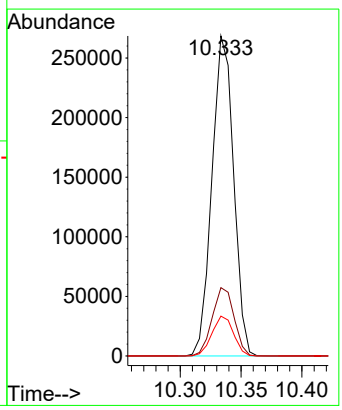


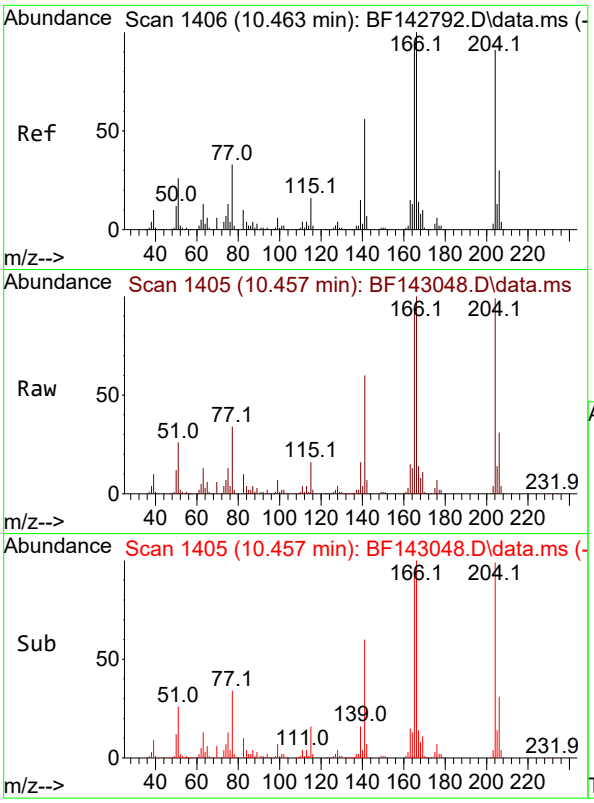




#60
Diethylphthalate
Concen: 38.796 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:149 Resp: 332556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.4 | 17.0 | 25.6 |
| 150 | 12.5 | 9.8 | 14.6 |



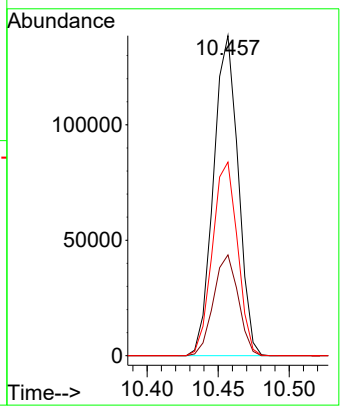


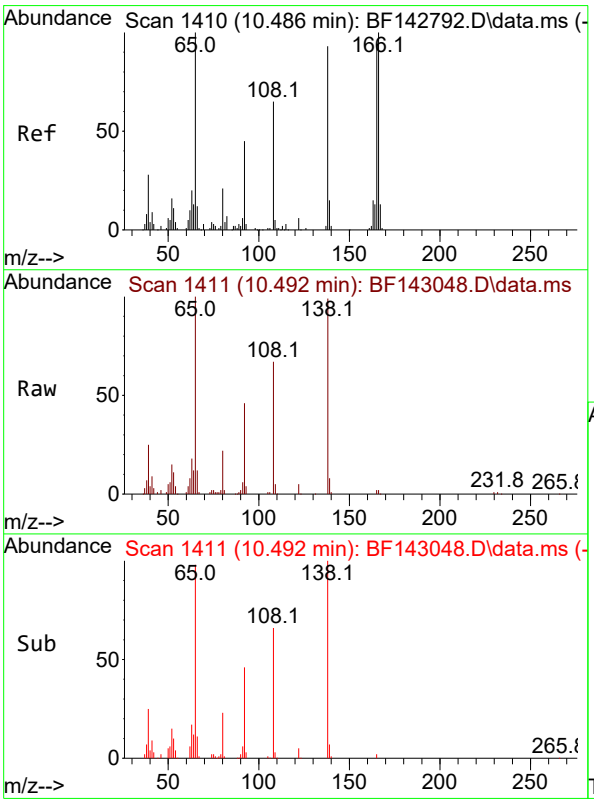

#61
4-Chlorophenyl-phenylether
Concen: 38.996 ng
RT: 10.457 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:204 Resp: 167583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 31.5 | 26.3 | 39.5 |
| 141 | 60.5 | 49.1 | 73.7 |

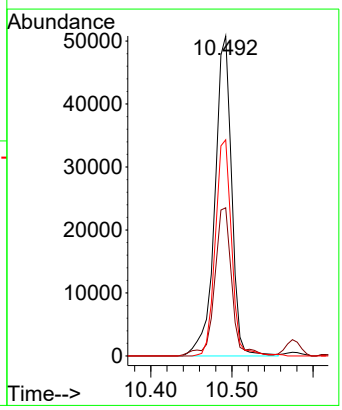


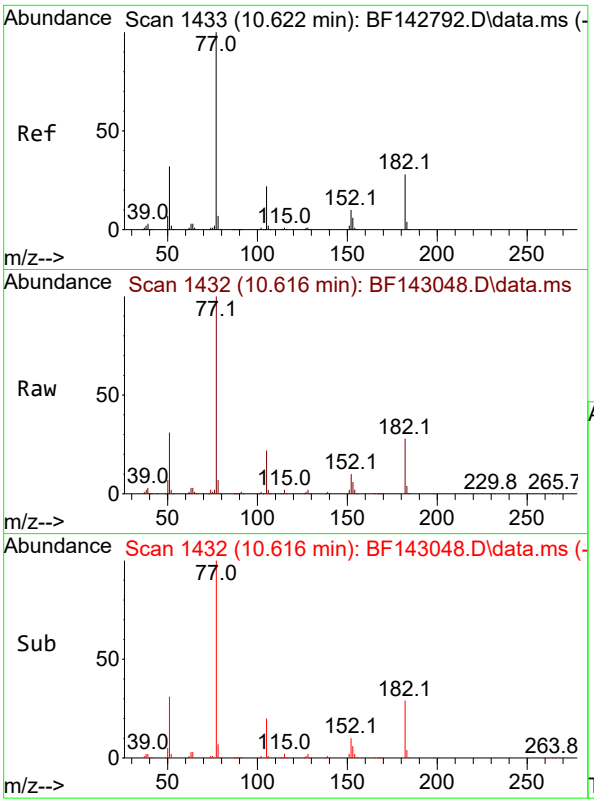




#62
4-Nitroaniline
Concen: 37.820 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:138 Resp: 73117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 46.3 | 28.4 | 68.4 |
| 108 | 67.5 | 50.2 | 90.2 |



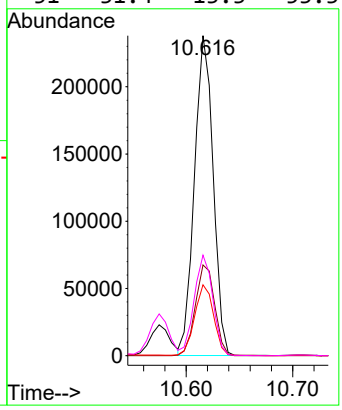


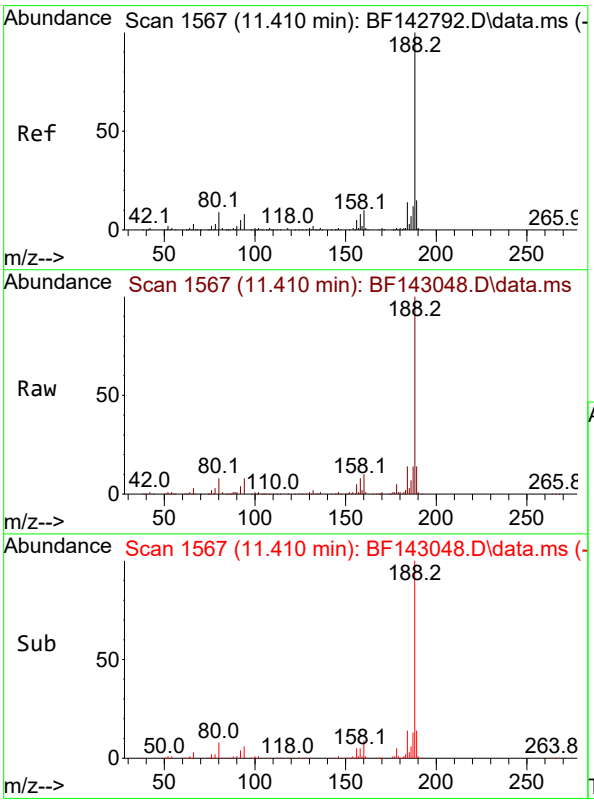

#63
Azobenzene
Concen: 37.983 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 291002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.4 | 7.7 | 47.7 |
| 105 | 22.1 | 1.9 | 41.9 |
| 51 | 31.4 | 13.3 | 53.3 |

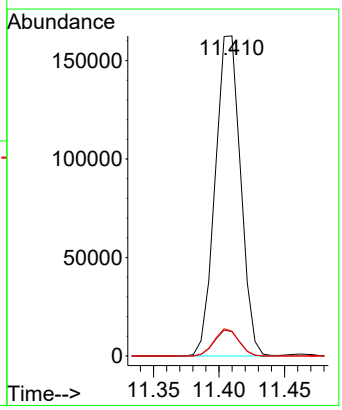


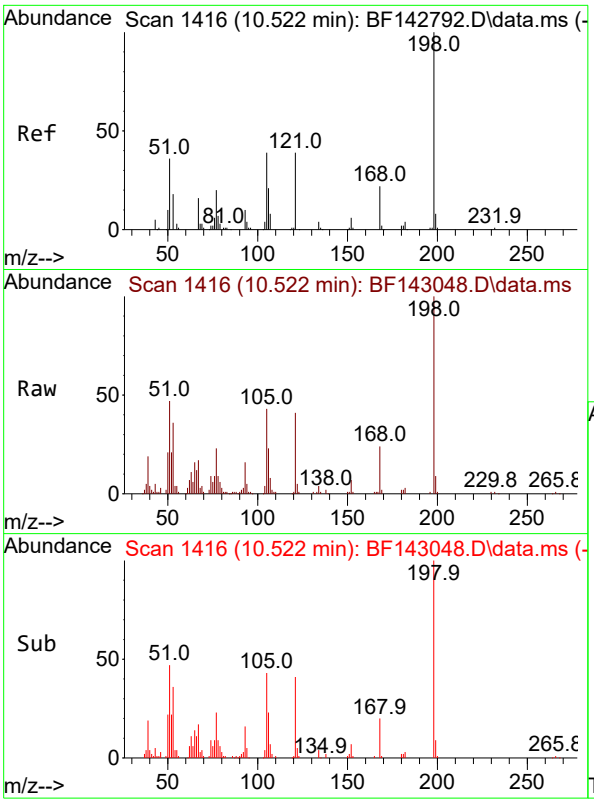




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:188 Resp: 218580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.6 | 6.7 | 10.1 |
| 80 | 7.8 | 6.9 | 10.3 |



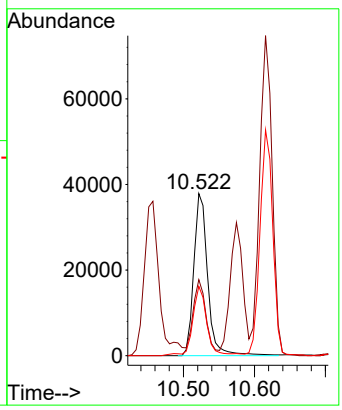


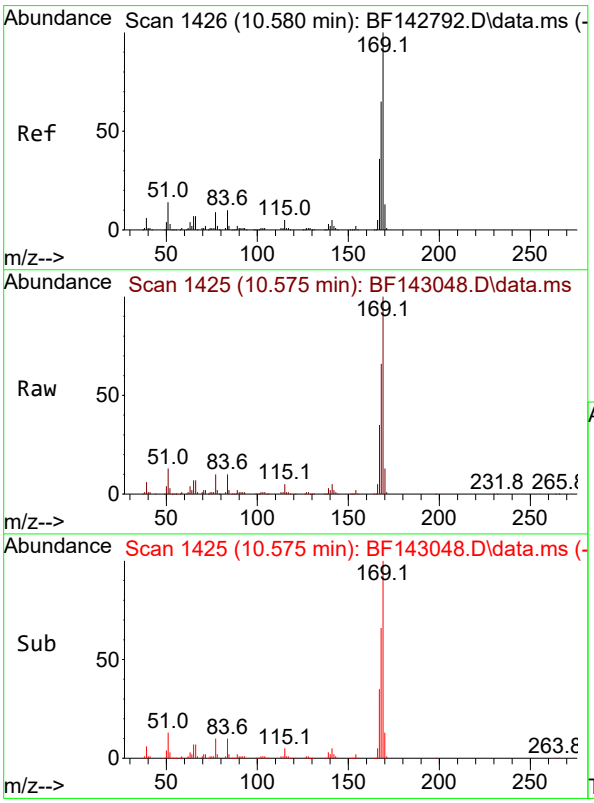

#65
4,6-Dinitro-2-methylphenol
Concen: 39.111 ng
RT: 10.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:198 Resp: 51710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 46.9 | 25.4 | 65.4 |
| 105 | 42.7 | 20.4 | 60.4 |

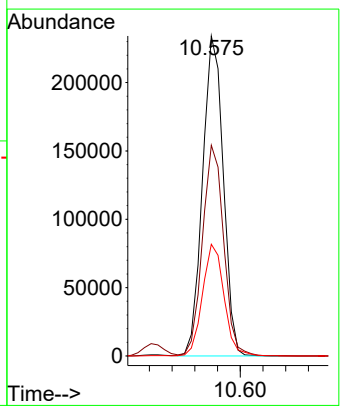


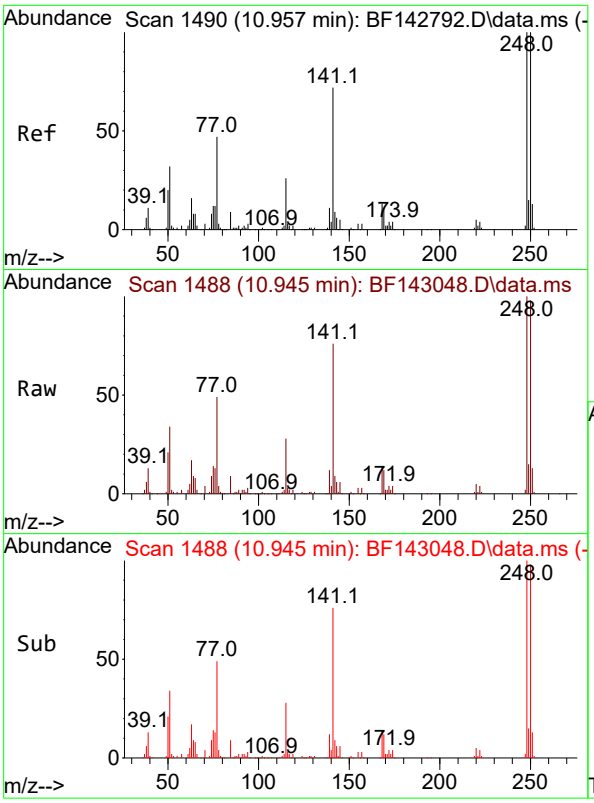




#66
n-Nitrosodiphenylamine
Concen: 39.109 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:169 Resp: 296265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.9 | 51.9 | 77.9 |
| 167 | 34.9 | 28.5 | 42.7 |



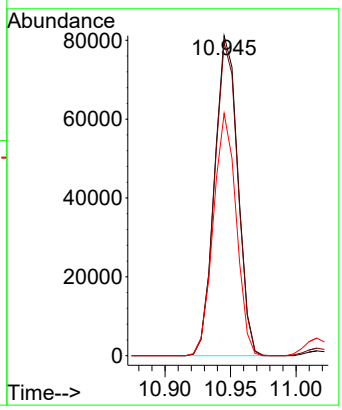


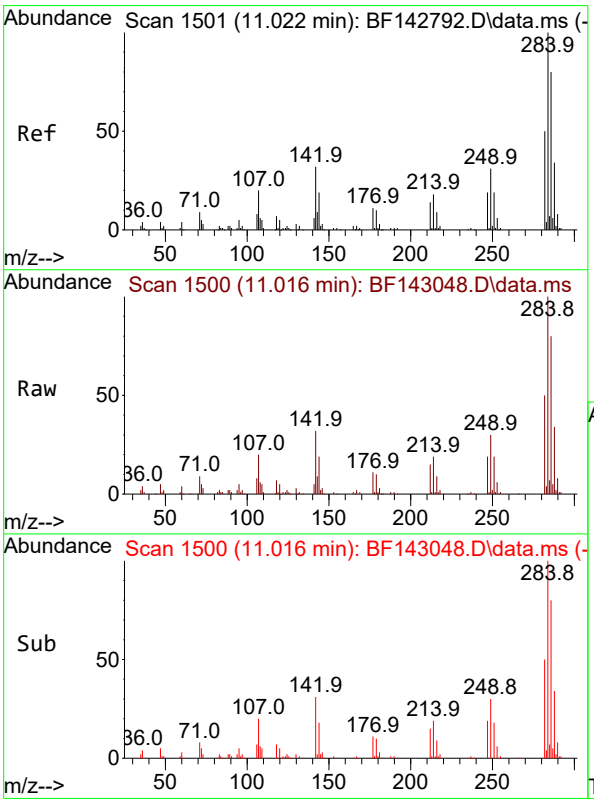

#67
4-Bromophenyl-phenylether
Concen: 40.295 ng
RT: 10.945 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:248 Resp: 100240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.9 | 79.8 | 119.8 |
| 141 | 75.7 | 57.8 | 86.6 |

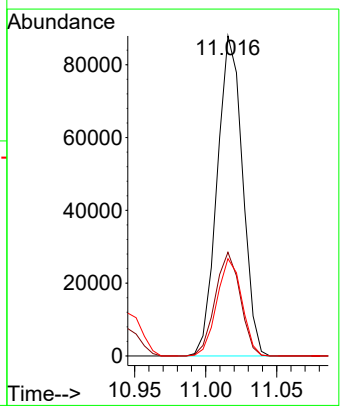


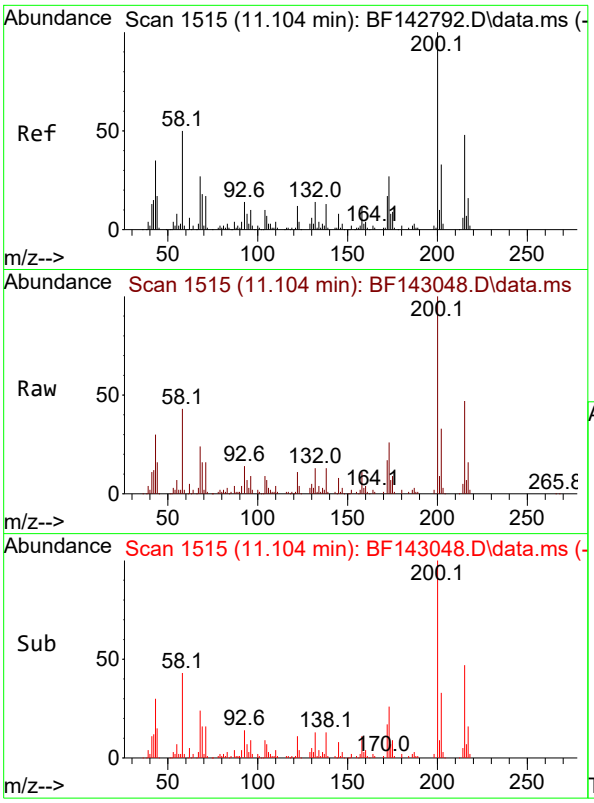




#68
Hexachlorobenzene
Concen: 39.445 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:284 Resp: 109033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.4 | 25.5 | 38.3 |
| 249 | 30.4 | 24.9 | 37.3 |



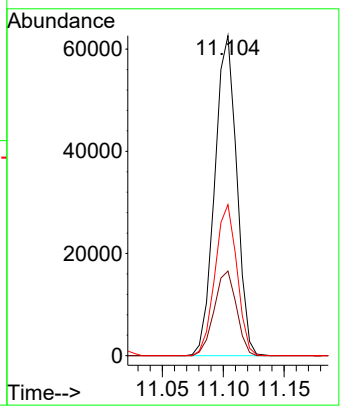


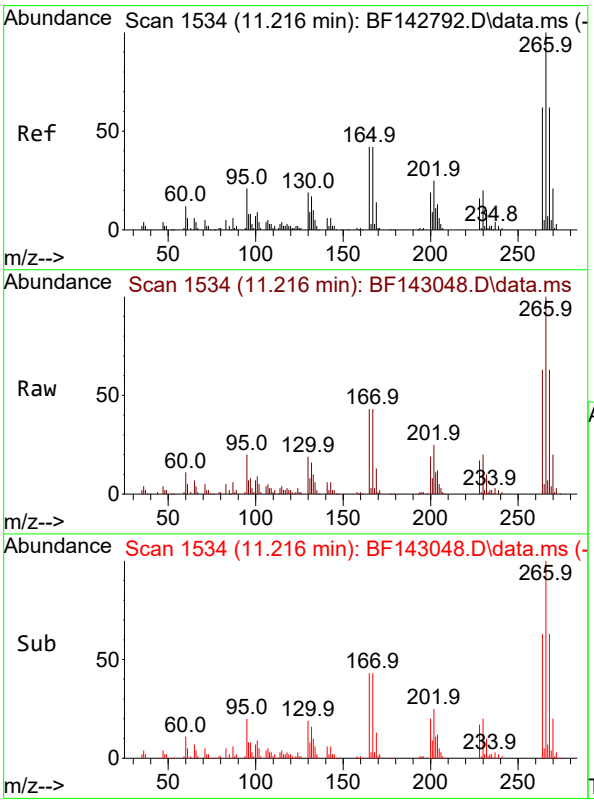

#69
Atrazine
Concen: 40.271 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:200 Resp: 78779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.4 | 7.4 | 47.4 |
| 215 | 47.2 | 28.4 | 68.4 |

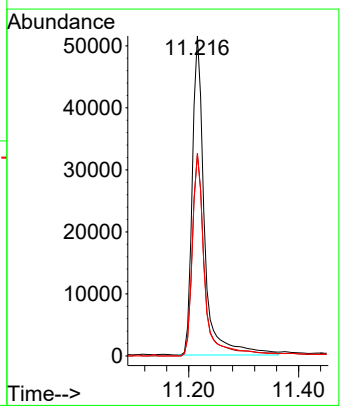


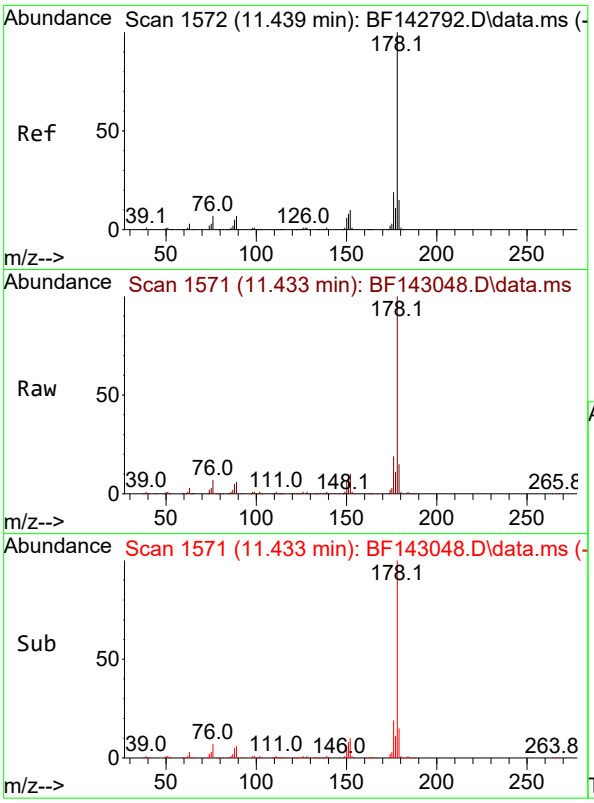




#70
Pentachlorophenol
Concen: 57.552 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:266 Resp: 79272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.2 | 49.8 | 74.8 |
| 264 | 63.3 | 49.9 | 74.9 |



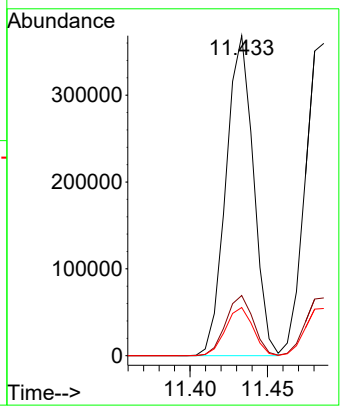


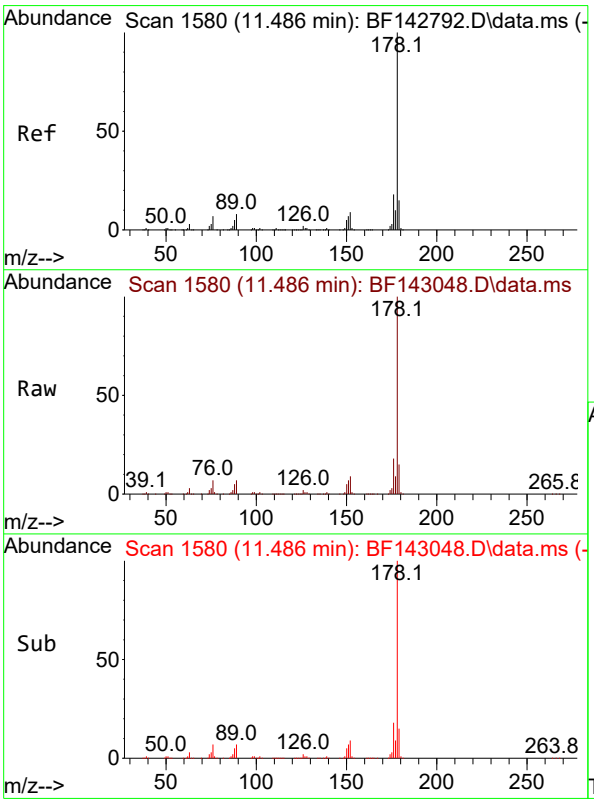

#71
Phenanthrene
Concen: 38.330 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:178 Resp: 453843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.1 | 22.7 |
| 179 | 15.1 | 12.0 | 18.0 |

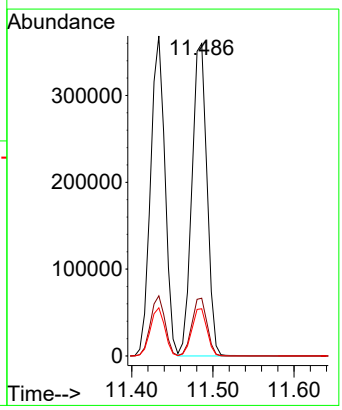


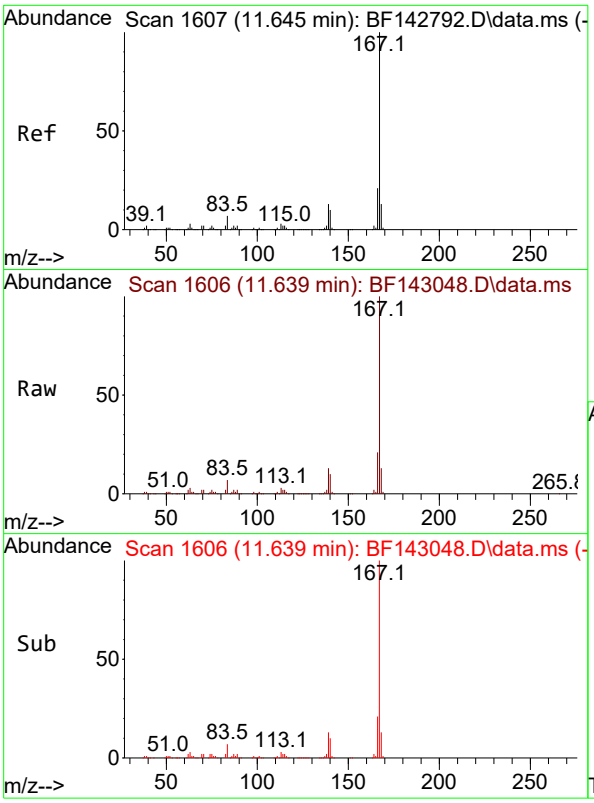




#72
Anthracene
Concen: 38.317 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:178 Resp: 465305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 14.6 | 21.8 |
| 179 | 15.1 | 12.4 | 18.6 |



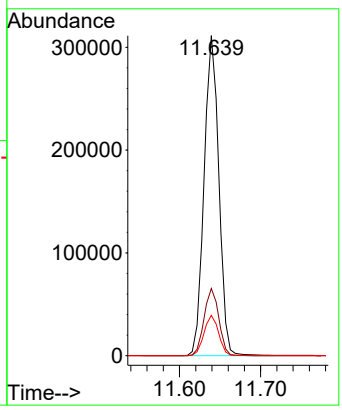


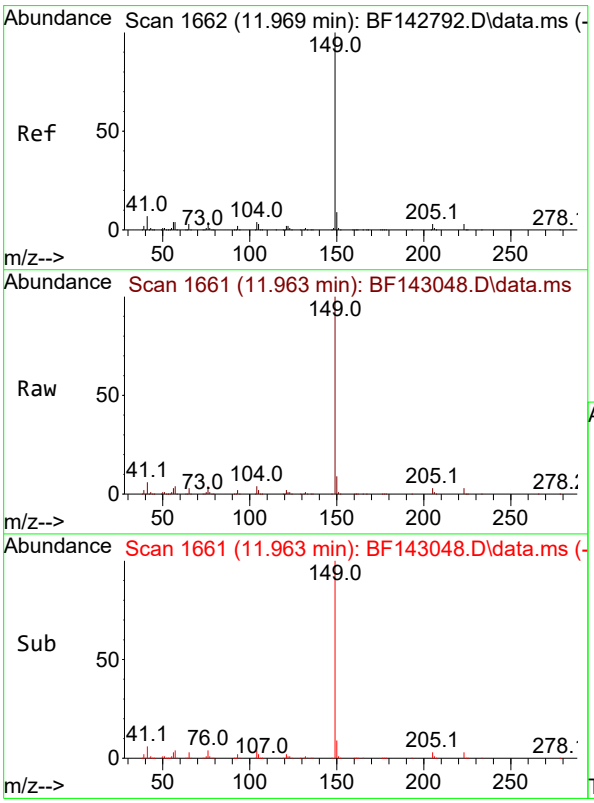

#73
Carbazole
Concen: 37.420 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:167 Resp: 392132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.0 | 17.0 | 25.4 |
| 139 | 12.6 | 10.2 | 15.2 |

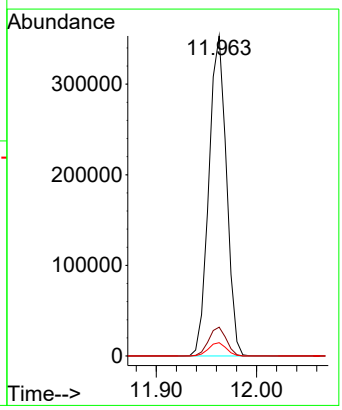


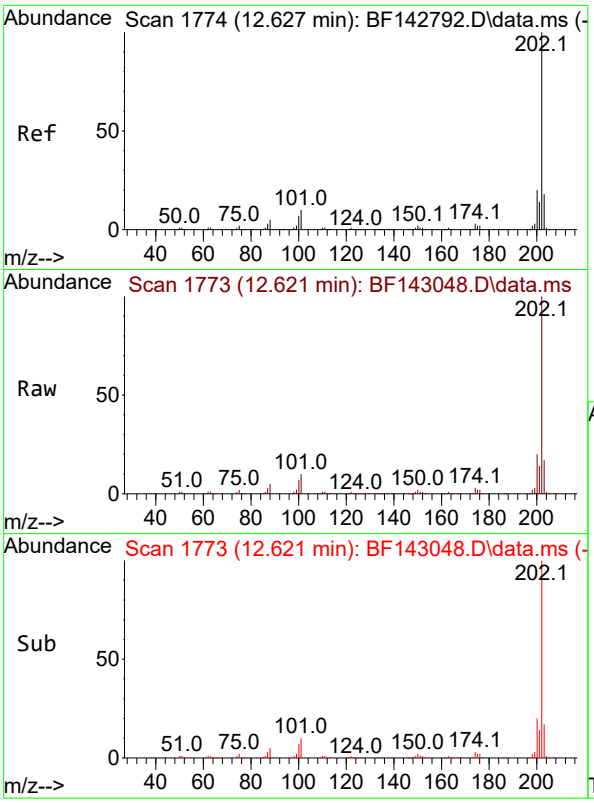




#74
Di-n-butylphthalate
Concen: 39.441 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:149 Resp: 430569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.4 | 11.0 |
| 104 | 4.1 | 3.5 | 5.3 |



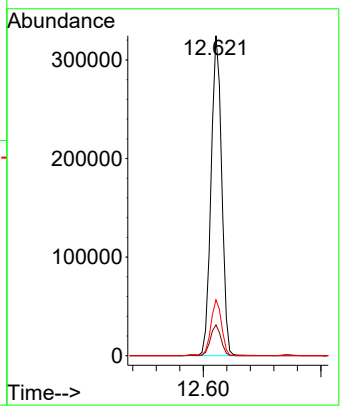


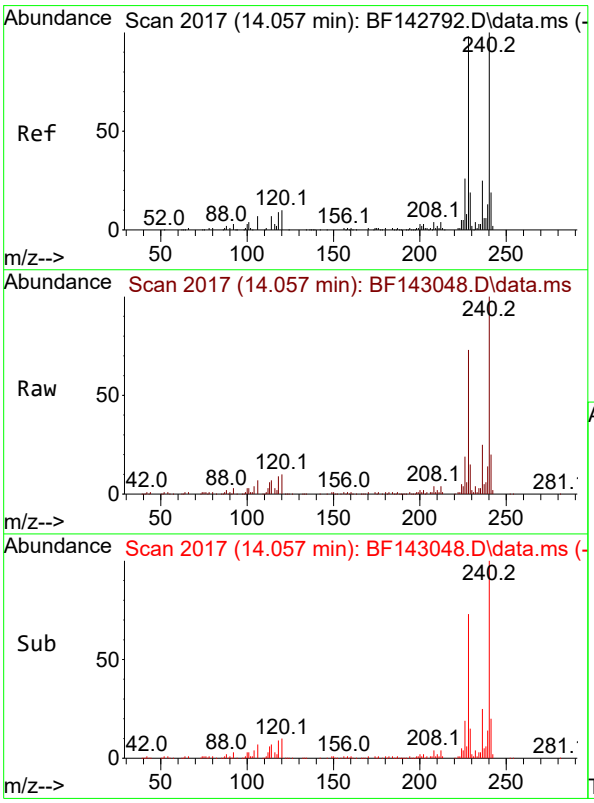

#75
Fluoranthene
Concen: 36.332 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:202 Resp: 408276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.6 | 0.0 | 29.7 |
| 203 | 17.5 | 0.0 | 37.5 |

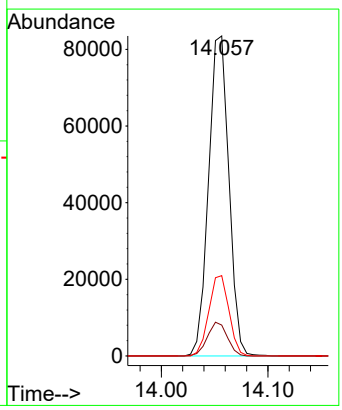


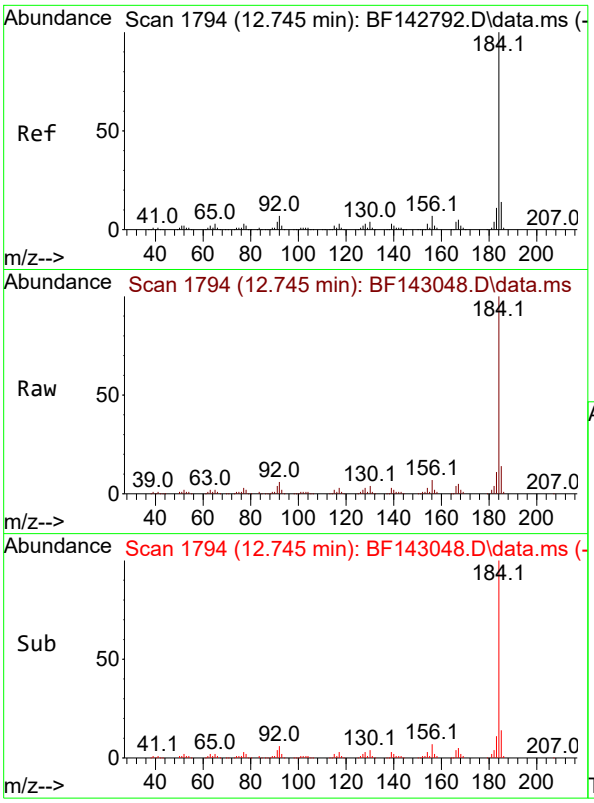




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:240 Resp: 110392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.6 | 8.2 | 12.2 |
| 236 | 25.1 | 19.8 | 29.8 |



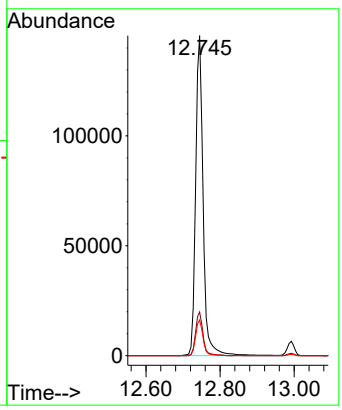


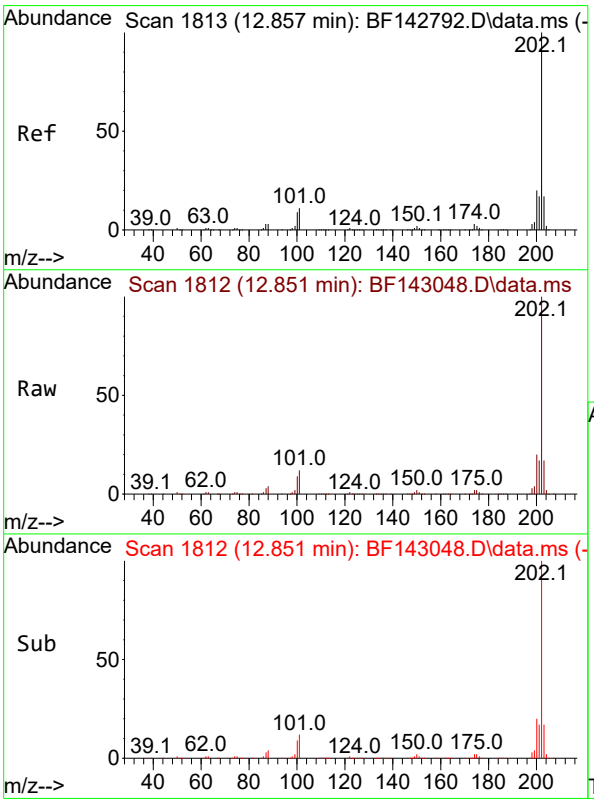

#77
Benzidine
Concen: 49.331 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:184 Resp: 204601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.6 | 11.5 | 17.3 |
| 183 | 11.2 | 9.0 | 13.4 |

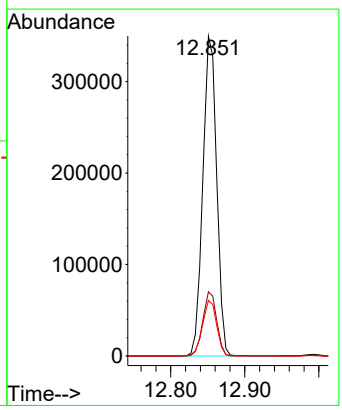


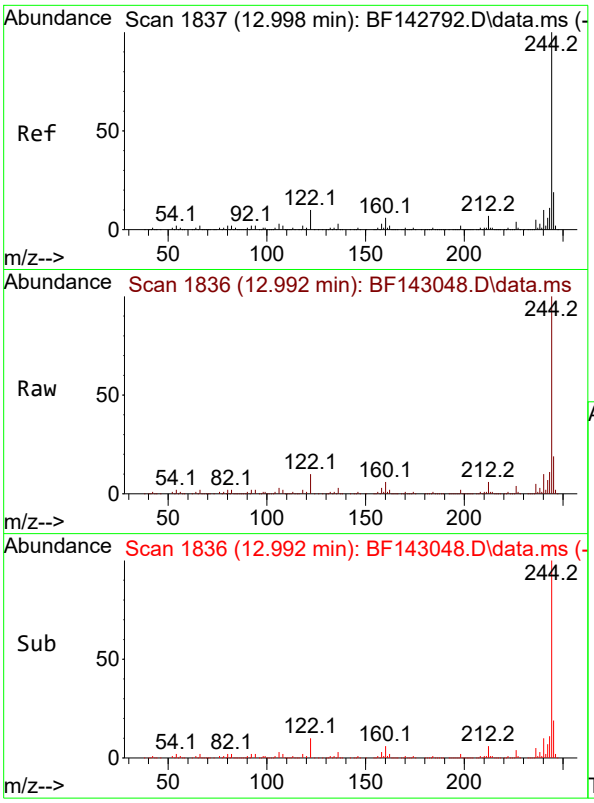




#78
Pyrene
Concen: 43.898 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:202 Resp: 454236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.0 | 15.7 | 23.5 |
| 203 | 17.4 | 13.8 | 20.6 |



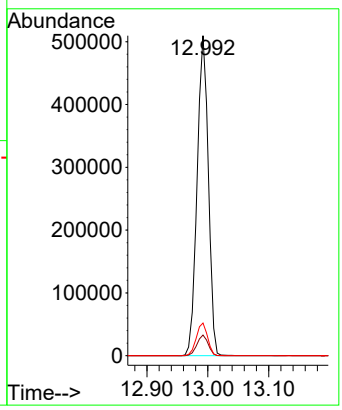


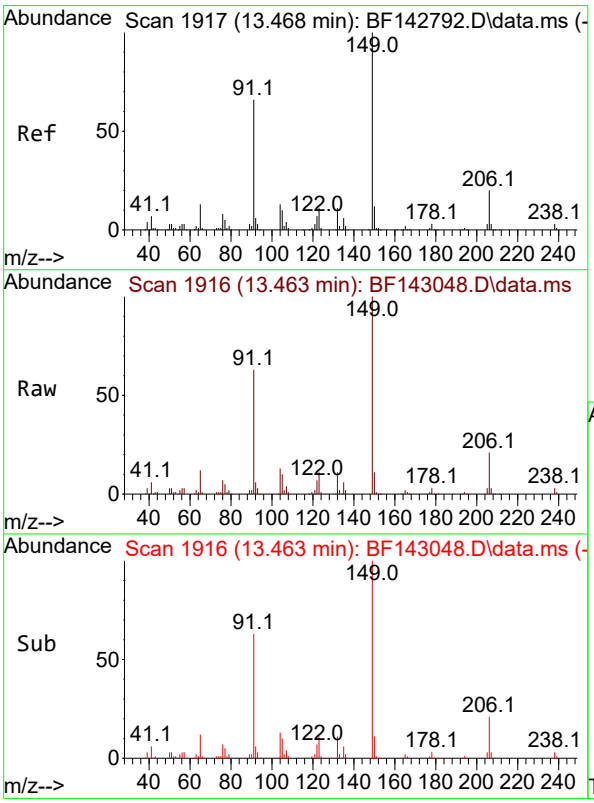

#79
Terphenyl-d14
Concen: 81.848 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:244 Resp: 653929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.5 | 5.4 | 8.0 |
| 122 | 10.2 | 8.2 | 12.2 |

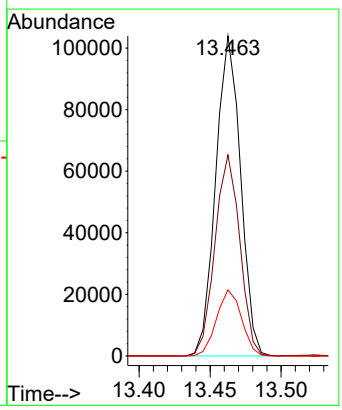


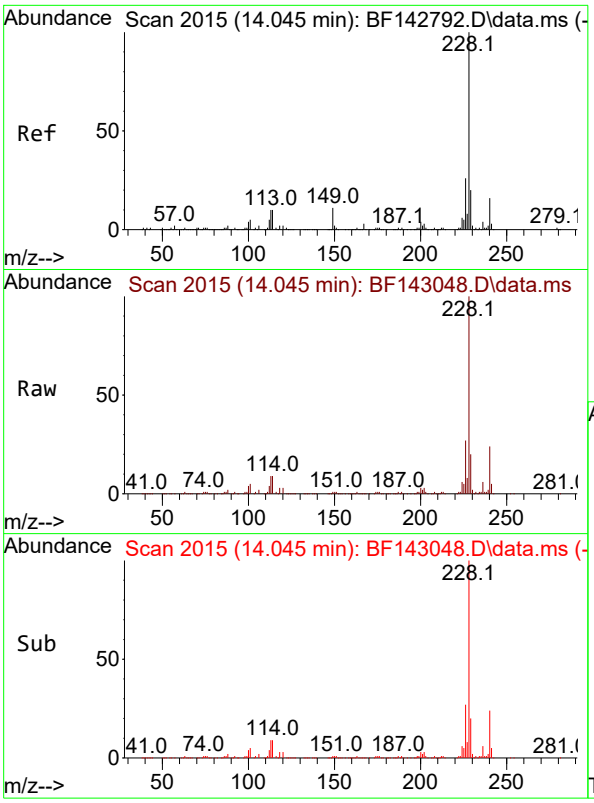




#80
Butylbenzylphthalate
Concen: 42.071 ng
RT: 13.463 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:149 Resp: 126277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 62.8 | 52.9 | 79.3 |
| 206 | 20.6 | 16.3 | 24.5 |



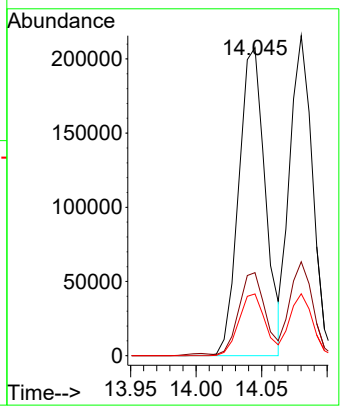


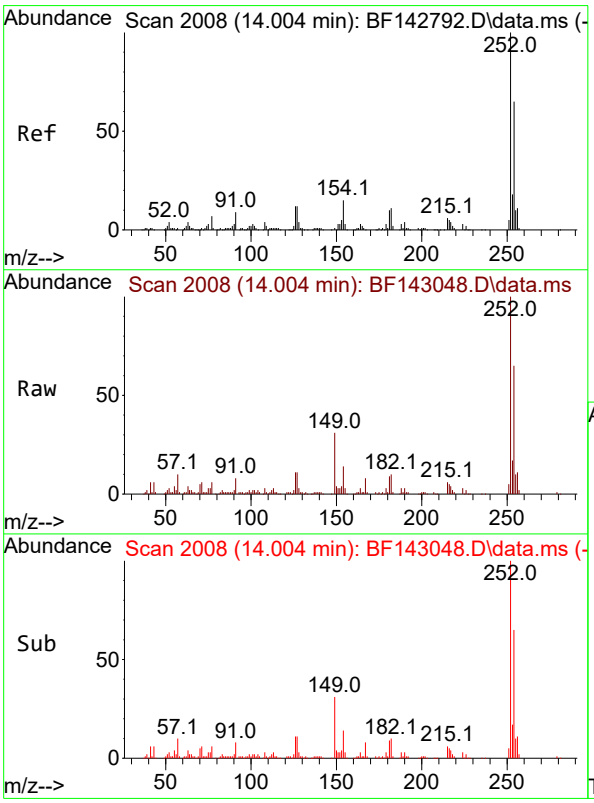

#81
Benzo(a)anthracene
Concen: 39.327 ng
RT: 14.045 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 292876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.0 | 21.2 | 31.8 |
| 229 | 20.0 | 15.6 | 23.4 |

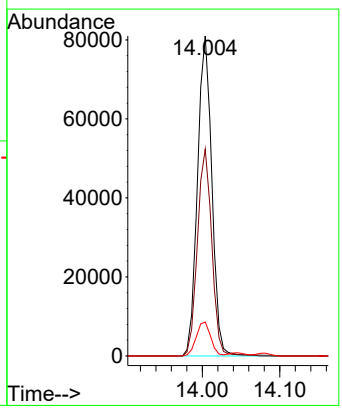


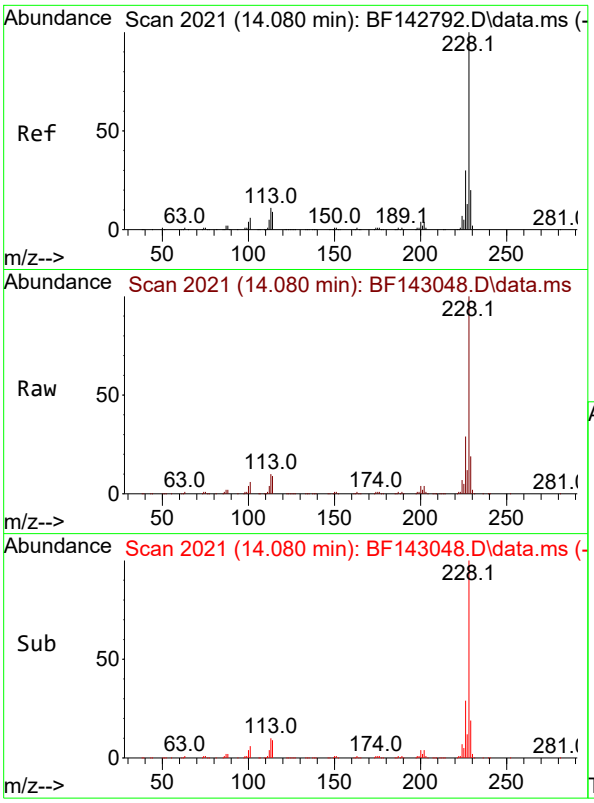




#82
3,3'-Dichlorobenzidine
Concen: 43.151 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:252 Resp: 104231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.6 | 51.7 | 77.5 |
| 126 | 10.6 | 9.4 | 14.2 |



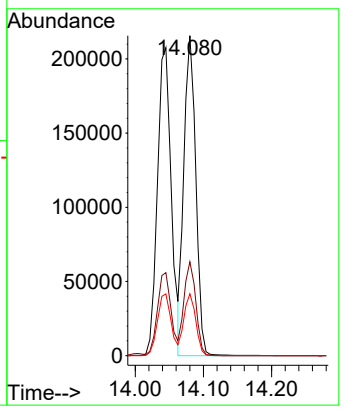


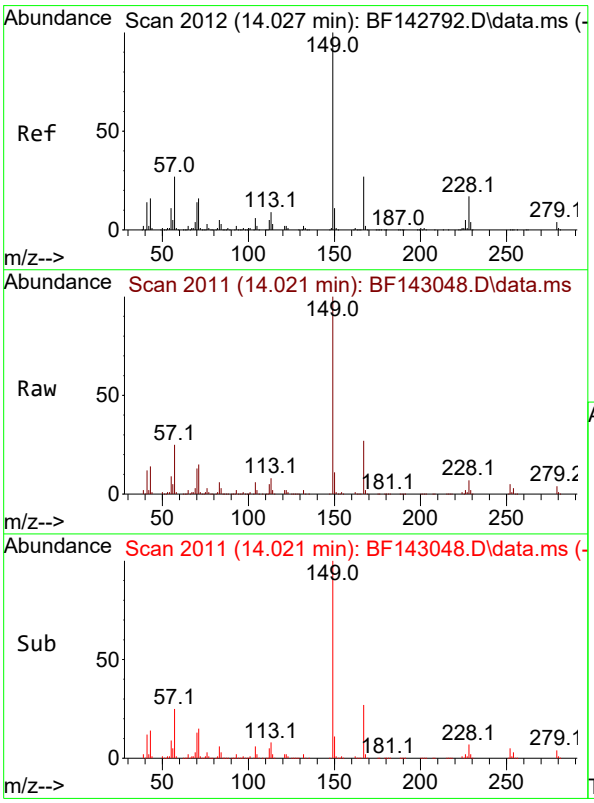

#83
Chrysene
Concen: 39.162 ng
RT: 14.080 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 260242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.4 | 23.7 | 35.5 |
| 229 | 19.3 | 15.7 | 23.5 |

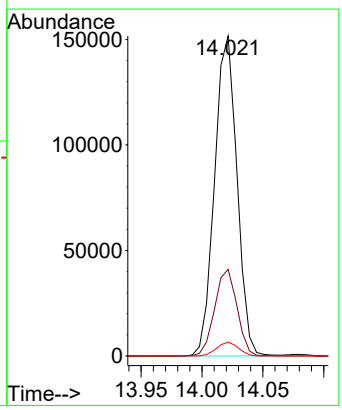


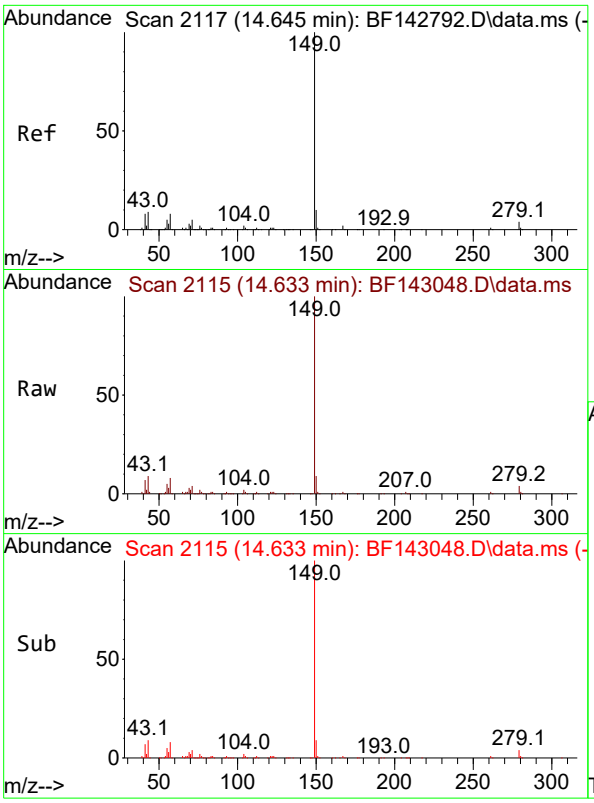




#84
Bis(2-ethylhexyl)phthalate
Concen: 45.039 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:149 Resp: 194503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.1 | 21.4 | 32.0 |
| 279 | 4.3 | 3.0 | 4.6 |



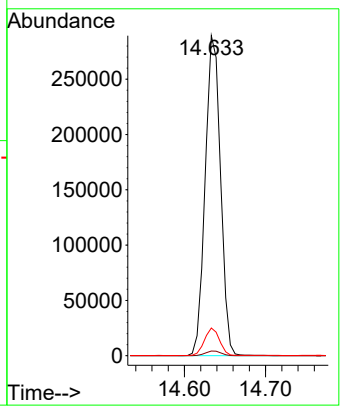


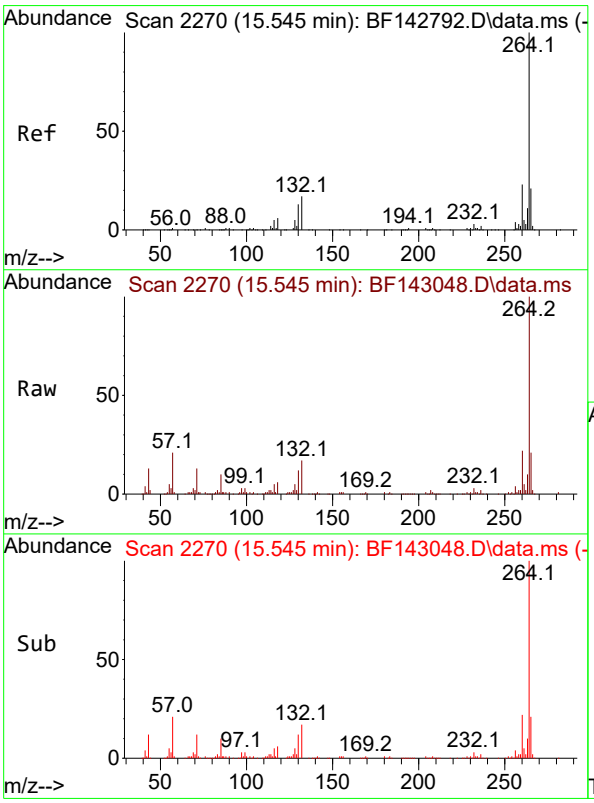

#85
Di-n-octyl phthalate
Concen: 46.544 ng
RT: 14.633 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:149 Resp: 379015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 8.4 | 7.6 | 11.4 |

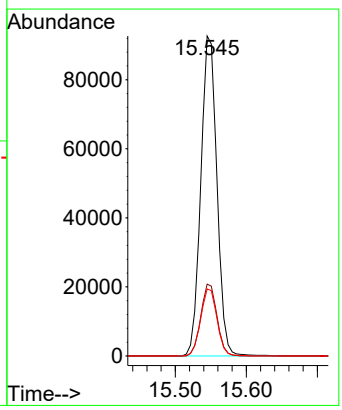


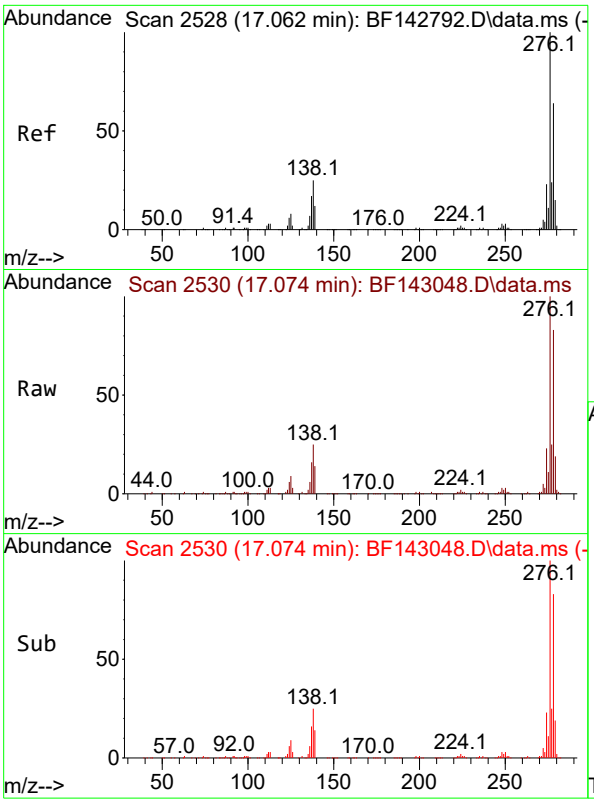




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:264 Resp: 146270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.5 | 18.1 | 27.1 |
| 265 | 21.0 | 16.6 | 25.0 |



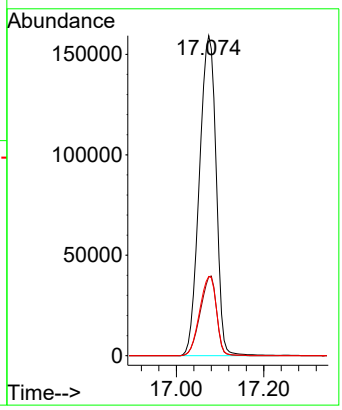


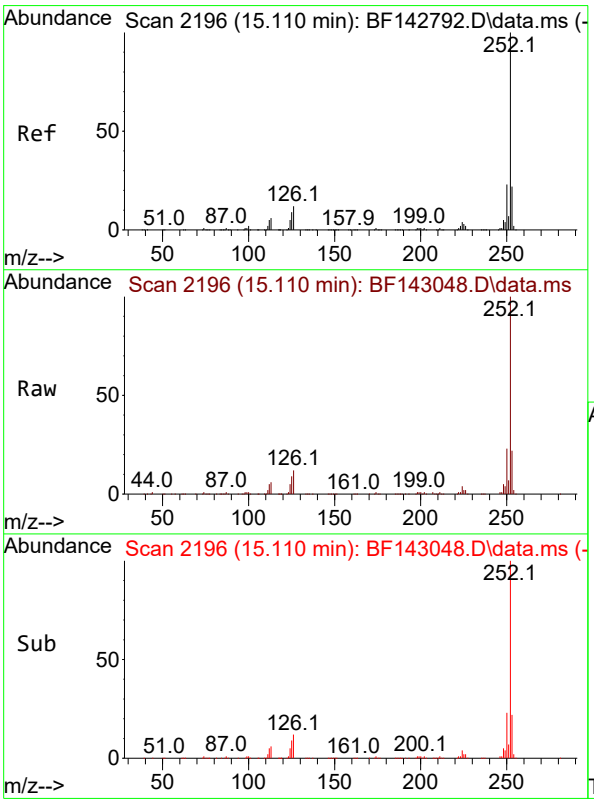

#87
Indeno(1,2,3-cd)pyrene
Concen: 38.135 ng
RT: 17.074 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:276 Resp: 424870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.1 | 20.2 | 30.4 |
| 277 | 24.9 | 19.8 | 29.6 |

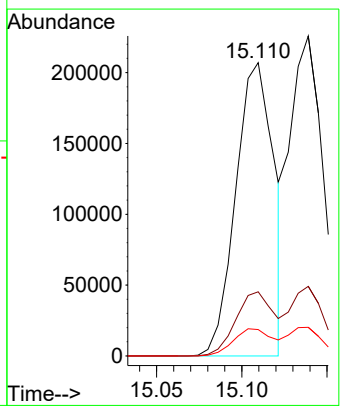


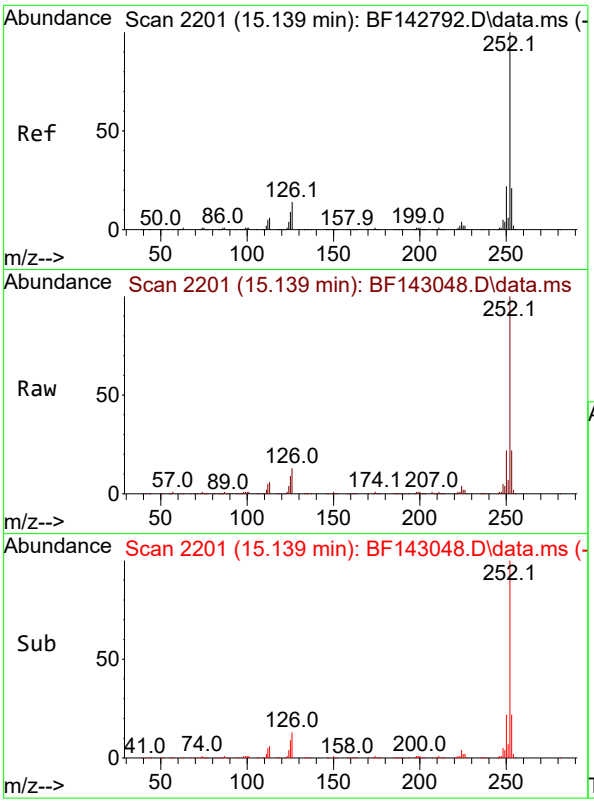




#88
Benzo(b)fluoranthene
Concen: 38.041 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:252 Resp: 321973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 9.0 | 7.4 | 11.0 |



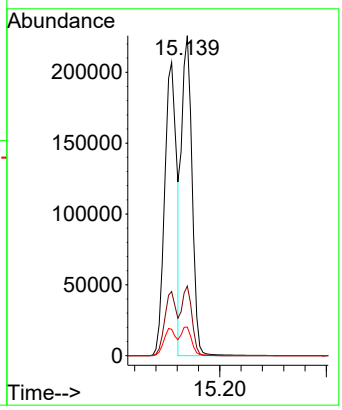


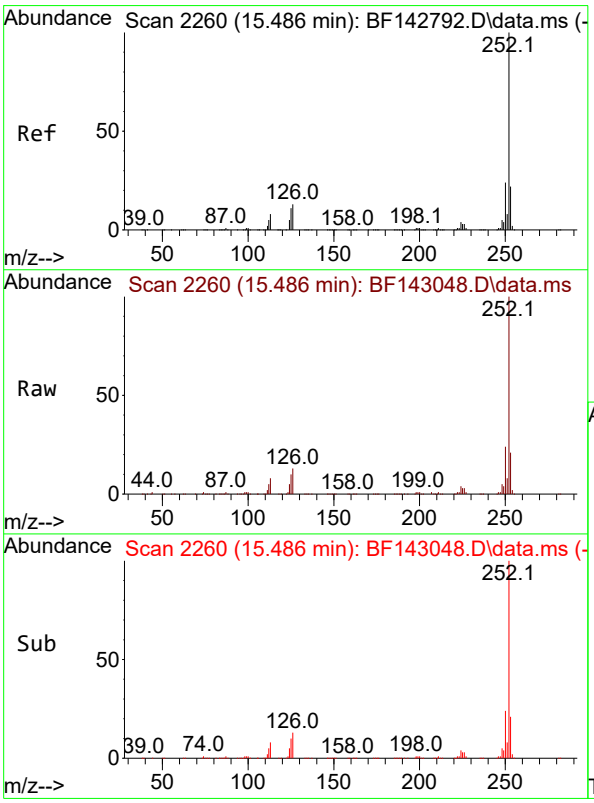

#89
Benzo(k)fluoranthene
Concen: 39.092 ng
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:252 Resp: 309552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.2 | 25.8 |
| 125 | 9.0 | 7.4 | 11.2 |

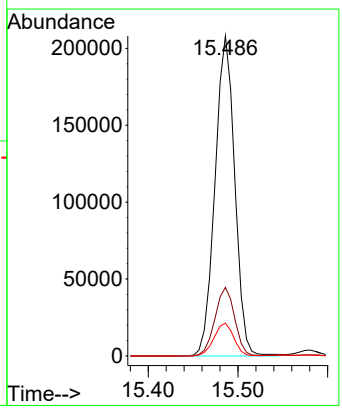


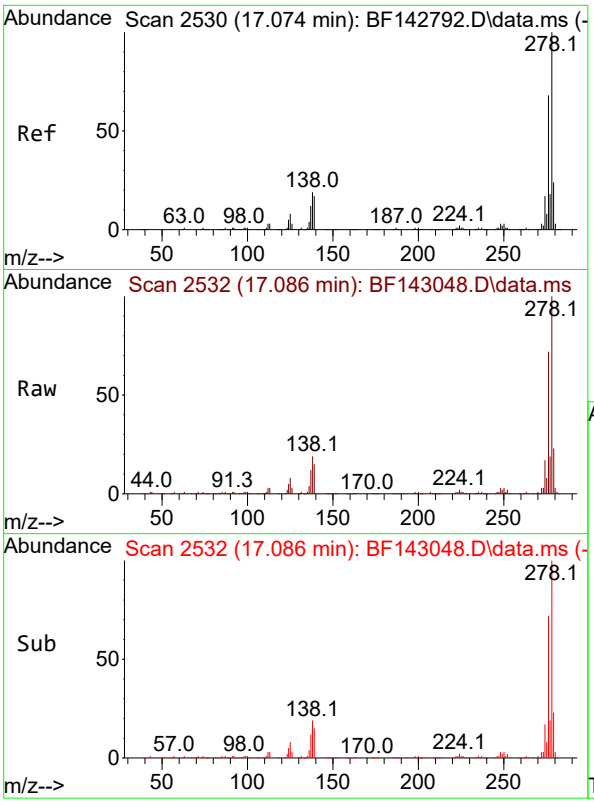




#90
Benzo(a)pyrene
Concen: 38.867 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:252 Resp: 317799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.5 | 26.3 |
| 125 | 10.2 | 8.6 | 12.8 |



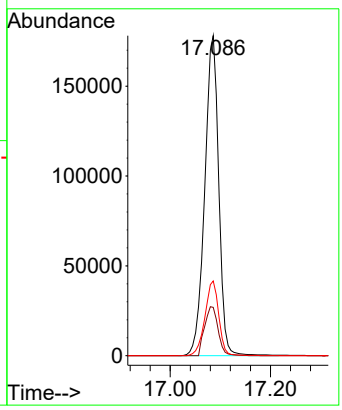


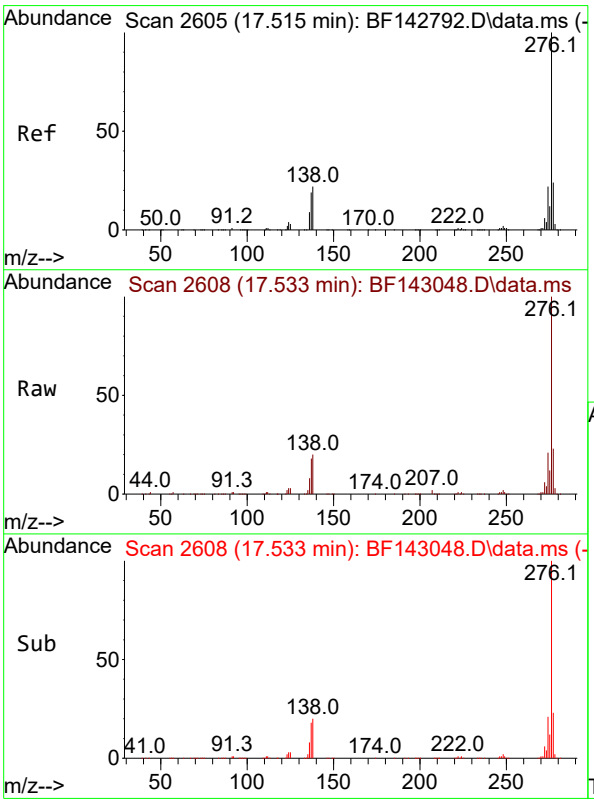

#91
Dibenzo(a,h)anthracene
Concen: 38.156 ng
RT: 17.086 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:278 Resp: 345409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.1 | 13.5 | 20.3 |
| 279 | 23.4 | 18.8 | 28.2 |

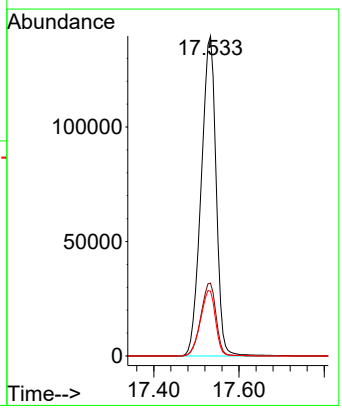



#92
Benzo(g,h,i)perylene
Concen: 37.626 ng
RT: 17.533 min Scan# 2608
Delta R.T. 0.018 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:276 Resp: 339644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 22.8 | 18.8 | 28.2 |
| 138 | 20.2 | 17.6 | 26.4 |



Sample Results: **BF143048.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143048.D
Acq On : 09 Jul 2025 10:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 09 11:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 2 | | 1,4-Dioxane | 0.480 | 0.441 | 8.1 | 76 | -0.02 |
| 3 | | Pyridine | 1.205 | 1.127 | 6.5 | 77 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.623 | 0.569 | 8.7 | 76 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.201 | 1.190 | 0.9 | 82 | 0.00 |
| 6 | | Aniline | 1.886 | 1.830 | 3.0 | 80 | 0.00 |
| 7 | S | Phenol-d6 | 1.417 | 1.399 | 1.3 | 83 | 0.00 |
| 8 | | 2-Chlorophenol | 1.296 | 1.293 | 0.2 | 83 | 0.00 |
| 9 | | Benzaldehyde | 0.841 | 0.917 | -9.0 | 96 | 0.00 |
| 10 | C | Phenol | 1.575 | 1.548 | 1.7 | 81 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.126 | 1.113 | 1.2 | 83 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.449 | 1.426 | 1.6 | 82 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.462 | 1.445 | 1.2 | 82 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.387 | 1.367 | 1.4 | 82 | 0.00 |
| 15 | | Benzyl Alcohol | 1.025 | 1.032 | -0.7 | 84 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.809 | 1.636 | 9.6 | 76 | -0.01 |
| 17 | | 2-Methylphenol | 0.982 | 0.968 | 1.4 | 82 | 0.00 |
| 18 | | Hexachloroethane | 0.511 | 0.503 | 1.6 | 80 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.824 | 0.819 | 0.6 | 83 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.224 | 1.238 | -1.1 | 84 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 82 | -0.01 |
| 22 | | Acetophenone | 0.441 | 0.435 | 1.4 | 85 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.365 | 0.383 | -4.9 | 89 | 0.00 |
| 24 | | Nitrobenzene | 0.330 | 0.321 | 2.7 | 83 | 0.00 |
| 25 | | Isophorone | 0.585 | 0.566 | 3.2 | 84 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.180 | 0.180 | 0.0 | 83 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.311 | 0.298 | 4.2 | 82 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.372 | 0.364 | 2.2 | 84 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.282 | 0.277 | 1.8 | 83 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.310 | 0.302 | 2.6 | 83 | 0.00 |
| 31 | | Naphthalene | 0.979 | 0.942 | 3.8 | 83 | 0.00 |
| 32 | | Benzoic acid | 0.159 | 0.136 | 14.5 | 71 | 0.02 |
| 33 | | 4-Chloroaniline | 0.398 | 0.385 | 3.3 | 84 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.190 | 0.187 | 1.6 | 84 | -0.01 |
| 35 | | Caprolactam | 0.075 | 0.073 | 2.7 | 84 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.281 | 0.274 | 2.5 | 84 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.607 | 0.598 | 1.5 | 85 | -0.01 |
| 38 | | 1-Methylnaphthalene | 0.628 | 0.608 | 3.2 | 84 | -0.01 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.590 | 0.572 | 3.1 | 86 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.335 | 0.341 | -1.8 | 85 | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 0.206 | 0.202 | 1.9 | 84 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.385 | 0.356 | 7.5 | 81 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.405 | 0.379 | 6.4 | 81 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.522 | 1.555 | -2.2 | 91 | -0.01 |
| 46 | | 1,1'-Biphenyl | 1.580 | 1.532 | 3.0 | 85 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.186 | 1.134 | 4.4 | 84 | 0.00 |

Sample Results: **BF143048.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143048.D
Acq On : 09 Jul 2025 10:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 09 11:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.332 | 0.317 | 4.5 | 81 | 0.00 |
| 49 | | Acenaphthylene | 1.952 | 1.863 | 4.6 | 83 | 0.00 |
| 50 | | Dimethylphthalate | 1.295 | 1.268 | 2.1 | 86 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.284 | 0.281 | 1.1 | 84 | 0.00 |
| 52 | C | Acenaphthene | 1.191 | 1.172 | 1.6 | 86 | 0.00 |
| 53 | | 3-Nitroaniline | 0.313 | 0.292 | 6.7 | 81 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.142 | 0.173 | -21.8 | 102 | 0.00 |
| 55 | | Dibenzofuran | 1.708 | 1.630 | 4.6 | 84 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.214 | 0.250 | -16.8 | 100 | 0.01 |
| 57 | | 2,4-Dinitrotoluene | 0.378 | 0.375 | 0.8 | 85 | 0.00 |
| 58 | | Fluorene | 1.334 | 1.292 | 3.1 | 85 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.326 | 0.318 | 2.5 | 85 | 0.00 |
| 60 | | Diethylphthalate | 1.269 | 1.231 | 3.0 | 85 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.636 | 0.620 | 2.5 | 86 | 0.00 |
| 62 | | 4-Nitroaniline | 0.286 | 0.271 | 5.2 | 83 | 0.00 |
| 63 | | Azobenzene | 1.134 | 1.077 | 5.0 | 83 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.121 | 0.118 | 2.5 | 82 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.693 | 0.678 | 2.2 | 84 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.228 | 0.229 | -0.4 | 87 | -0.01 |
| 68 | | Hexachlorobenzene | 0.253 | 0.249 | 1.6 | 86 | 0.00 |
| 69 | | Atrazine | 0.179 | 0.180 | -0.6 | 86 | 0.00 |
| 70 | C | Pentachlorophenol | 0.126 | 0.181 | -43.7# | 120 | 0.00 |
| 71 | | Phenanthrene | 1.083 | 1.038 | 4.2 | 84 | 0.00 |
| 72 | | Anthracene | 1.111 | 1.064 | 4.2 | 83 | 0.00 |
| 73 | | Carbazole | 0.959 | 0.897 | 6.5 | 83 | 0.00 |
| 74 | | Di-n-butylphthalate | 0.999 | 0.985 | 1.4 | 86 | 0.00 |
| 75 | C | Fluoranthene | 1.028 | 0.934 | 9.1 | 81 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 77 | 0.00 |
| 77 | | Benzidine | 0.751 | 0.927 | -23.4 | 93 | 0.00 |
| 78 | | Pyrene | 1.875 | 2.057 | -9.7 | 91 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.447 | 1.481 | -2.3 | 86 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.544 | 0.572 | -5.1 | 81 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.349 | 1.327 | 1.6 | 81 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.438 | 0.472 | -7.8 | 85 | 0.00 |
| 83 | | Chrysene | 1.204 | 1.179 | 2.1 | 78 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.782 | 0.881 | -12.7 | 85 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.475 | 1.717 | -16.4 | 91 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.523 | 1.452 | 4.7 | 85 | 0.01 |
| 88 | | Benzo(b)fluoranthene | 1.157 | 1.101 | 4.8 | 88 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.083 | 1.058 | 2.3 | 88 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.118 | 1.086 | 2.9 | 87 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.238 | 1.181 | 4.6 | 86 | 0.01 |
| 92 | | Benzo(g,h,i)perylene | 1.234 | 1.161 | 5.9 | 84 | 0.02 |

Sample Results: **BF143048.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143048.D
Acq On : 09 Jul 2025 10:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 09 11:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BF143048.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143048.D
Acq On : 09 Jul 2025 10:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 09 11:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 80 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 36.693 | 8.3 | 76 | -0.02 |
| 3 | | Pyridine | 40.000 | 37.436 | 6.4 | 77 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.533 | 8.7 | 76 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 79.269 | 0.9 | 82 | 0.00 |
| 6 | | Aniline | 40.000 | 38.827 | 2.9 | 80 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 78.945 | 1.3 | 83 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.915 | 0.2 | 83 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 43.636 | -9.1 | 96 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.308 | 1.7 | 81 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.529 | 1.2 | 83 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.370 | 1.6 | 82 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.530 | 1.2 | 82 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.426 | 1.4 | 82 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 40.276 | -0.7 | 84 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.167 | 9.6 | 76 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 39.442 | 1.4 | 82 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.381 | 1.5 | 80 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.730 | 0.7 | 83 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.452 | -1.1 | 84 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 82 | -0.01 |
| 22 | | Acetophenone | 40.000 | 39.455 | 1.4 | 85 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 84.131 | -5.2 | 89 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.894 | 2.8 | 83 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.685 | 3.3 | 84 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.996 | 0.0 | 83 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.323 | 4.2 | 82 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.139 | 2.2 | 84 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.186 | 2.0 | 83 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.924 | 2.7 | 83 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.510 | 3.7 | 83 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 34.368 | 14.1 | 71 | 0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 38.729 | 3.2 | 84 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.459 | 1.4 | 84 | -0.01 |
| 35 | | Caprolactam | 40.000 | 39.295 | 1.8 | 84 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.110 | 2.2 | 84 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.399 | 1.5 | 85 | -0.01 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.726 | 3.2 | 84 | -0.01 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 83 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.800 | 3.0 | 86 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 40.772 | -1.9 | 85 | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 78.425 | 2.0 | 84 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 37.080 | 7.3 | 81 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 37.440 | 6.4 | 81 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 81.687 | -2.1 | 91 | -0.01 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.796 | 3.0 | 85 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 38.255 | 4.4 | 84 | 0.00 |

Sample Results: **BF143048.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143048.D
Acq On : 09 Jul 2025 10:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 09 11:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 38.099 | 4.8 | 81 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 38.176 | 4.6 | 83 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.177 | 2.1 | 86 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 39.500 | 1.3 | 84 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.371 | 1.6 | 86 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 37.342 | 6.6 | 81 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 48.583 | -21.5 | 102 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 38.190 | 4.5 | 84 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 46.654 | -16.6 | 100 | 0.01 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 39.687 | 0.8 | 85 | 0.00 |
| 58 | | Fluorene | 40.000 | 38.743 | 3.1 | 85 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.043 | 2.4 | 85 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 38.796 | 3.0 | 85 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 38.996 | 2.5 | 86 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 37.820 | 5.4 | 83 | 0.00 |
| 63 | | Azobenzene | 40.000 | 37.983 | 5.0 | 83 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 83 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.111 | 2.2 | 82 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.109 | 2.2 | 84 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 40.295 | -0.7 | 87 | -0.01 |
| 68 | | Hexachlorobenzene | 40.000 | 39.445 | 1.4 | 86 | 0.00 |
| 69 | | Atrazine | 40.000 | 40.271 | -0.7 | 86 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 57.552 | -43.9# | 120 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.330 | 4.2 | 84 | 0.00 |
| 72 | | Anthracene | 40.000 | 38.317 | 4.2 | 83 | 0.00 |
| 73 | | Carbazole | 40.000 | 37.420 | 6.4 | 83 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 39.441 | 1.4 | 86 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 36.332 | 9.2 | 81 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 77 | 0.00 |
| 77 | | Benzidine | 40.000 | 49.331 | -23.3 | 93 | 0.00 |
| 78 | | Pyrene | 40.000 | 43.898 | -9.7 | 91 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 81.848 | -2.3 | 86 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 42.071 | -5.2 | 81 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.327 | 1.7 | 81 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 43.151 | -7.9 | 85 | 0.00 |
| 83 | | Chrysene | 40.000 | 39.162 | 2.1 | 78 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 45.039 | -12.6 | 85 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 46.544 | -16.4 | 91 | -0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 86 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.135 | 4.7 | 85 | 0.01 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 38.041 | 4.9 | 88 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 39.092 | 2.3 | 88 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 38.867 | 2.8 | 87 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 38.156 | 4.6 | 86 | 0.01 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 37.626 | 5.9 | 84 | 0.02 |

Sample Results: **BF143048.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143048.D
Acq On : 09 Jul 2025 10:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 09 11:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev Area% | Dev(min) |
|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance  Contract: WALS01

Lab Code: ACE  SDG No.: Q2489

Instrument ID: BNA_M  Calibration Date/Time: 07/14/2025 16:53

Lab File ID: BM050429.D  Init. Calib. Date(s): 07/08/2025 07/08/2025

EPA Sample No.: SSTDCCC040  Init. Calib. Time(s): 12:39 17:22

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

| COMPOUND | $\overline{RRF}$ | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Pyridine | 1.254 | 1.252 | | -0.2 | |
| 2-Fluorophenol | 1.162 | 1.168 | | 0.5 | |
| Phenol-d6 | 1.465 | 1.509 | | 3.0 | |
| 1,4-Dichlorobenzene | 1.521 | 1.483 | | -2.5 | 20.0 |
| 2-Methylphenol | 0.991 | 0.997 | | 0.6 | |
| 3+4-Methylphenols | 1.330 | 1.325 | | -0.4 | |
| Nitrobenzene-d5 | 0.392 | 0.399 | | 1.8 | |
| Hexachloroethane | 0.535 | 0.528 | | -1.3 | |
| Nitrobenzene | 0.350 | 0.351 | | 0.3 | |
| Hexachlorobutadiene | 0.228 | 0.214 | | -6.1 | 20.0 |
| 2,4,6-Trichlorophenol | 0.391 | 0.395 | | 1.0 | 20.0 |
| 2-Fluorobiphenyl | 1.620 | 1.578 | | -2.6 | |
| 2,4,5-Trichlorophenol | 0.428 | 0.430 | | 0.5 | |
| 2,4-Dinitrotoluene | 0.350 | 0.382 | | 9.1 | |
| 2,4,6-Tribromophenol | 0.243 | 0.255 | | 4.9 | |
| Hexachlorobenzene | 0.260 | 0.251 | | -3.5 | |
| Pentachlorophenol | 0.162 | 0.165 | | 1.9 | 20.0 |
| Terphenyl-d14 | 1.137 | 1.182 | | 4.0 | |

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BM050429.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
Data File : BM050429.D
Acq On : 14 Jul 2025 16:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Quant Time: Jul 14 17:29:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.863 | 152 | 427187 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.657 | 136 | 1630124 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.486 | 164 | 1036891 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.221 | 188 | 1998802 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.445 | 240 | 2212244 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 24.474 | 264 | 2243965 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.440 | 112 | 1995139 | 80.393 | ng | | 0.00 |
| 7) Phenol-d6 | 7.022 | 99 | 2577722 | 82.395 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.016 | 82 | 2601285 | 81.413 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.968 | 330 | 1057523 | 83.942 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.116 | 172 | 6545863 | 77.961 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.833 | 244 | 10463512 | 83.219 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.340 | 88 | 394686 | 38.676 | ng | | 98 |
| 3) Pyridine | 3.740 | 79 | 1069904 | 39.934 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 3.640 | 42 | 508628 | 40.722 | ng | | 98 |
| 6) Aniline | 7.187 | 93 | 1615491 | 40.237 | ng | | 99 |
| 8) 2-Chlorophenol | 7.428 | 128 | 1048575 | 40.070 | ng | | 98 |
| 9) Benzaldehyde | 6.998 | 77 | 835180 | 44.877 | ng | | 99 |
| 10) Phenol | 7.051 | 94 | 1324515 | 40.591 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.281 | 93 | 1025844 | 39.256 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.757 | 146 | 1243648 | 39.084 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.898 | 146 | 1267305 | 39.004 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.216 | 146 | 1216761 | 39.116 | ng | | 100 |
| 15) Benzyl Alcohol | 8.098 | 79 | 885308 | 40.162 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.393 | 45 | 1502122 | 39.024 | ng | | 99 |
| 17) 2-Methylphenol | 8.298 | 107 | 851638 | 40.241 | ng | | 98 |
| 18) Hexachloroethane | 8.951 | 117 | 450718 | 39.443 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.669 | 70 | 786604 | 41.504 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.628 | 107 | 1131842 | 39.839 | ng | | 99 |
| 22) Acetophenone | 8.681 | 105 | 1622764 | 39.815 | ng | # | 99 |
| 24) Nitrobenzene | 9.057 | 77 | 1144240 | 40.131 | ng | | 100 |
| 25) Isophorone | 9.587 | 82 | 2059150 | 39.716 | ng | | 99 |
| 26) 2-Nitrophenol | 9.769 | 139 | 496689 | 42.742 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.828 | 122 | 976301 | 39.483 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 10.069 | 93 | 1337922 | 38.943 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.304 | 162 | 1021142 | 40.196 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.522 | 180 | 1165230 | 38.342 | ng | | 99 |
| 31) Naphthalene | 10.710 | 128 | 3211004 | 38.781 | ng | | 100 |
| 32) Benzoic acid | 9.945 | 122 | 586168 | 39.787 | ng | | 98 |
| 33) 4-Chloroaniline | 10.810 | 127 | 1405215 | 40.145 | ng | | 100 |
| 34) Hexachlorobutadiene | 11.004 | 225 | 697048 | 37.580 | ng | | 99 |
| 35) Caprolactam | 11.586 | 113 | 280390 | 40.432 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 11.928 | 107 | 967256 | 40.774 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.316 | 142 | 2060342 | 39.410 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.533 | 142 | 2180920 | 39.418 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.686 | 216 | 1263676 | 38.323 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.669 | 237 | 806112 | 38.245 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.922 | 196 | 819880 | 40.394 | ng | | 98 |

Sample Results: **BM050429.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
Data File : BM050429.D
Acq On : 14 Jul 2025 16:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Quant Time: Jul 14 17:29:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.992 | 196 | 890828 | 40.188 ng | 99 |
| 46) 1,1'-Biphenyl | 13.327 | 154 | 3007012 | 39.087 ng | 100 |
| 47) 2-Chloronaphthalene | 13.363 | 162 | 2415494 | 39.380 ng | 100 |
| 48) 2-Nitroaniline | 13.557 | 65 | 589561 | 43.062 ng | 100 |
| 49) Acenaphthylene | 14.210 | 152 | 3721946 | 40.151 ng | 99 |
| 50) Dimethylphthalate | 13.945 | 163 | 2802244 | 39.254 ng | 100 |
| 51) 2,6-Dinitrotoluene | 14.057 | 165 | 579111 | 42.250 ng | 99 |
| 52) Acenaphthene | 14.551 | 154 | 2344038 | 39.774 ng | 99 |
| 53) 3-Nitroaniline | 14.380 | 138 | 624821 | 42.864 ng | 99 |
| 54) 2,4-Dinitrophenol | 14.580 | 184 | 267609 | 38.955 ng | 97 |
| 55) Dibenzofuran | 14.886 | 168 | 3551782 | 39.114 ng | 99 |
| 56) 4-Nitrophenol | 14.680 | 139 | 522847 | 41.709 ng | 98 |
| 57) 2,4-Dinitrotoluene | 14.839 | 165 | 792992 | 39.178 ng | 99 |
| 58) Fluorene | 15.533 | 166 | 2977081 | 39.804 ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.110 | 232 | 761198 | 40.793 ng | 98 |
| 60) Diethylphthalate | 15.304 | 149 | 2712046 | 39.771 ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.527 | 204 | 1532279 | 39.180 ng | 99 |
| 62) 4-Nitroaniline | 15.539 | 138 | 667412 | 40.267 ng | 95 |
| 63) Azobenzene | 15.816 | 77 | 2546901 | 40.674 ng | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.598 | 198 | 401999 | 38.794 ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.733 | 169 | 2458928 | 39.314 ng | 98 |
| 67) 4-Bromophenyl-phenylether | 16.416 | 248 | 859585 | 39.033 ng | 98 |
| 68) Hexachlorobenzene | 16.533 | 284 | 1005198 | 38.647 ng | 98 |
| 69) Atrazine | 16.680 | 200 | 840199 | 40.910 ng | 98 |
| 70) Pentachlorophenol | 16.868 | 266 | 658229 | 40.653 ng | 99 |
| 71) Phenanthrene | 17.263 | 178 | 4399238 | 38.896 ng | 99 |
| 72) Anthracene | 17.351 | 178 | 4486017 | 39.846 ng | 99 |
| 73) Carbazole | 17.615 | 167 | 4153041 | 40.769 ng | 99 |
| 74) Di-n-butylphthalate | 18.186 | 149 | 4602132 | 41.275 ng | 99 |
| 75) Fluoranthene | 19.268 | 202 | 5010785 | 40.753 ng | 99 |
| 77) Benzidine | 19.445 | 184 | 1324060 | 23.465 ng | 99 |
| 78) Pyrene | 19.627 | 202 | 5368083 | 37.888 ng | 100 |
| 80) Butylbenzylphthalate | 20.521 | 149 | 2002932 | 42.873 ng | 96 |
| 81) Benzo(a)anthracene | 21.427 | 228 | 5752101 | 39.905 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.345 | 252 | 1883647 | 38.750 ng | 99 |
| 83) Chrysene | 21.486 | 228 | 5368548 | 39.487 ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.356 | 149 | 3234021 | 43.607 ng | 99 |
| 85) Di-n-octyl phthalate | 22.503 | 149 | 5078142 | 43.719 ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 27.915 | 276 | 6529221 | 40.924 ng | 100 |
| 88) Benzo(b)fluoranthene | 23.515 | 252 | 5496193 | 39.820 ng | 100 |
| 89) Benzo(k)fluoranthene | 23.580 | 252 | 5546638 | 38.728 ng | 99 |
| 90) Benzo(a)pyrene | 24.333 | 252 | 5221766 | 40.414 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 27.968 | 278 | 5489209 | 40.853 ng | 99 |
| 92) Benzo(g,h,i)perylene | 28.979 | 276 | 5170029 | 40.712 ng | 99 |

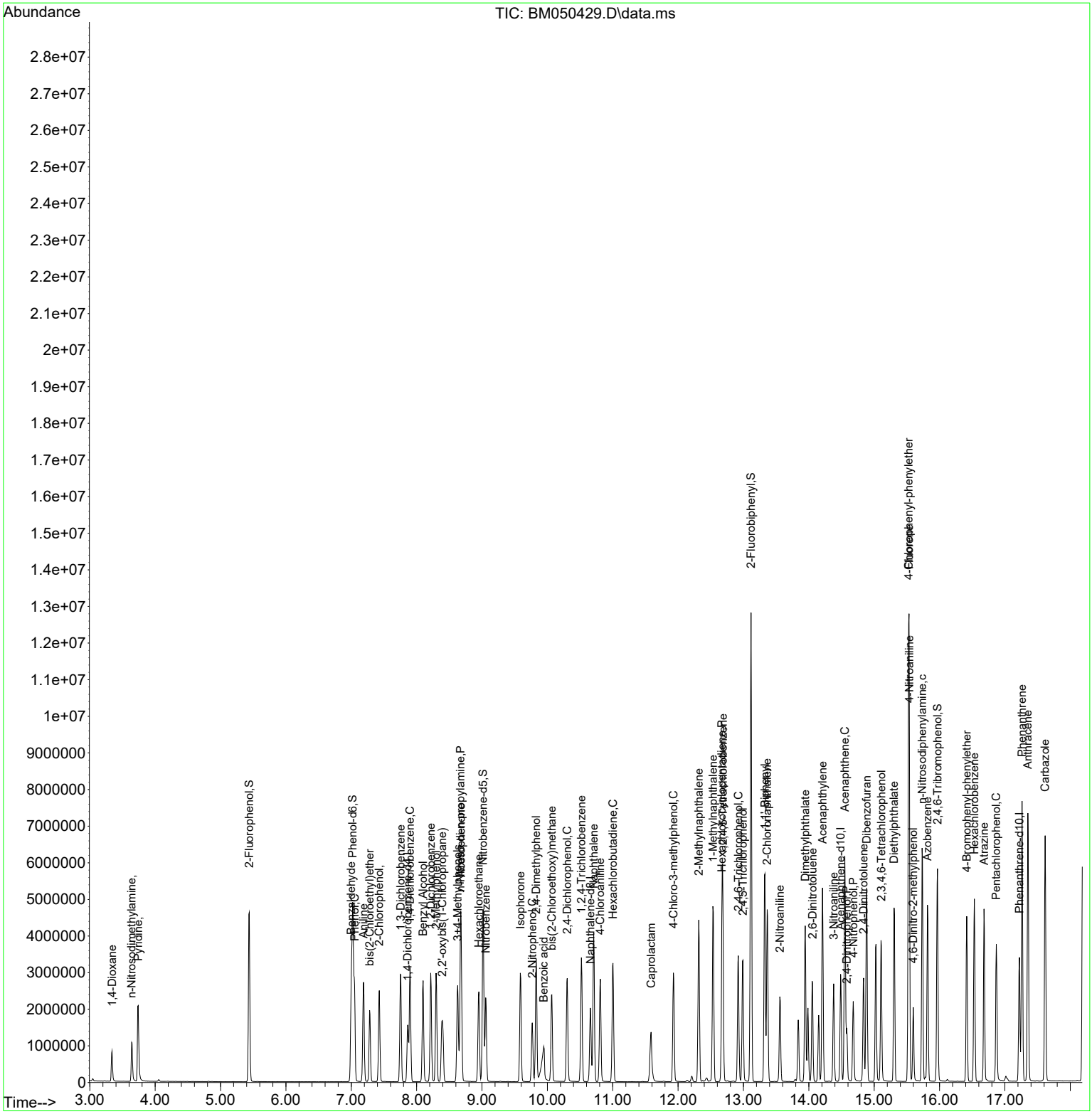
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **BM050429.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
Data File : BM050429.D
Acq On : 14 Jul 2025 16:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Quant Time: Jul 14 17:29:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

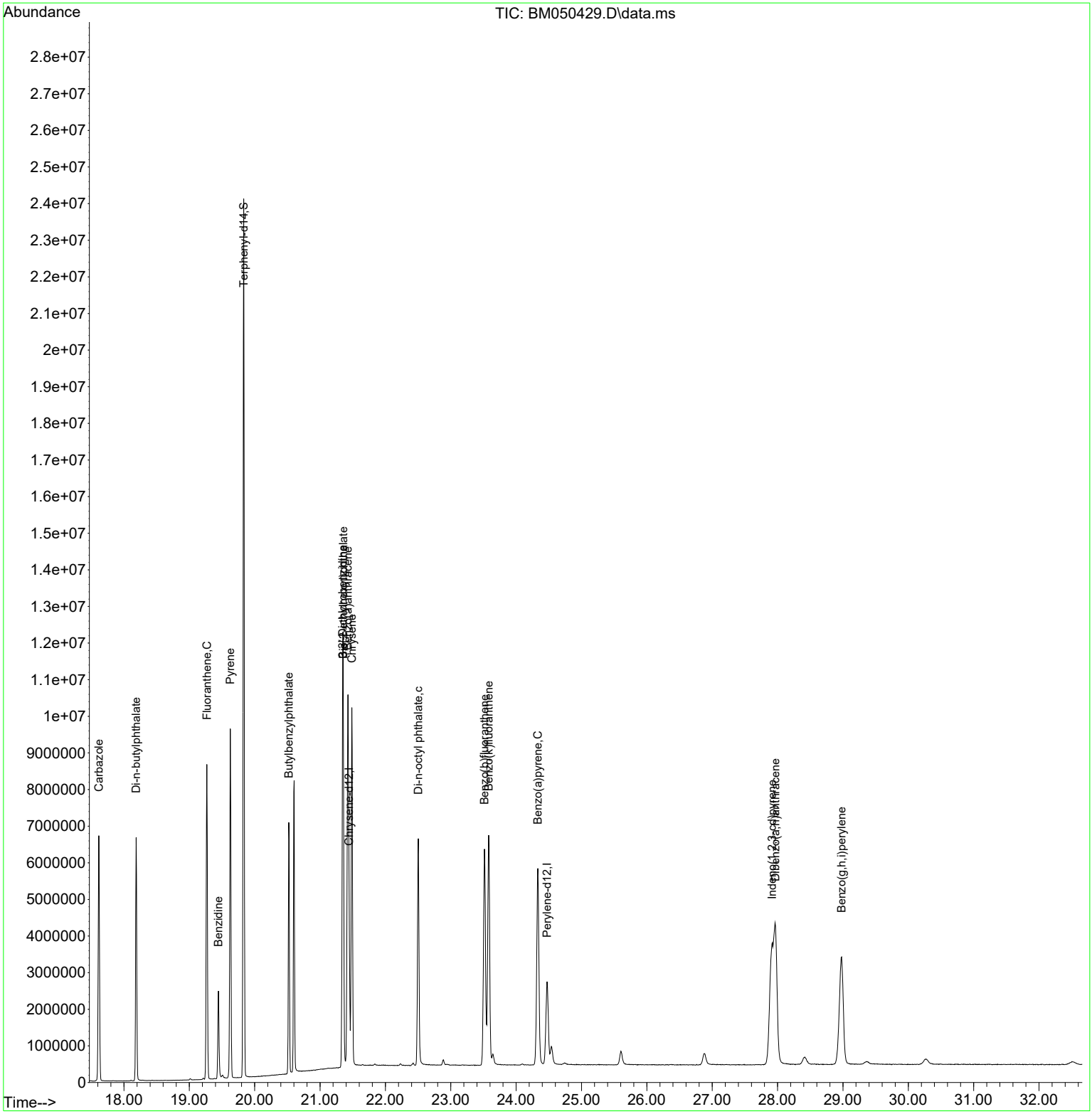


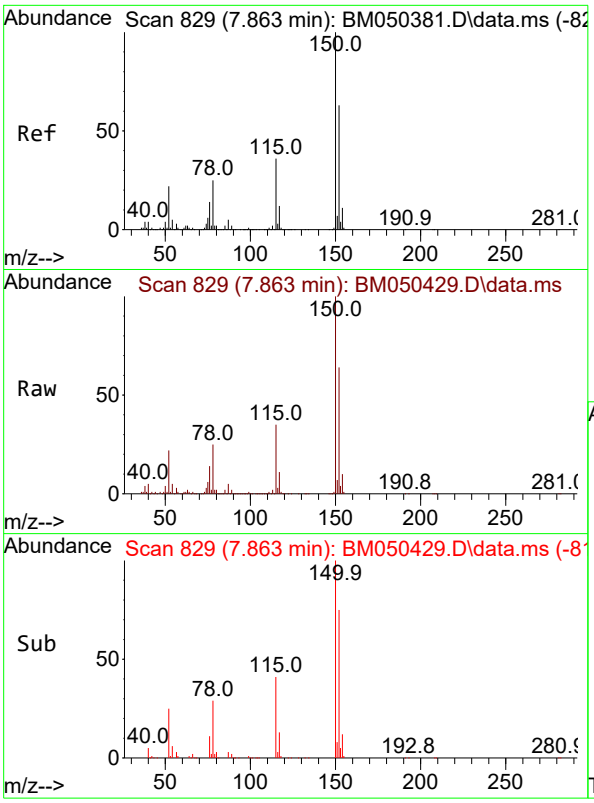
Sample Results: **BM050429.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
Data File : BM050429.D
Acq On : 14 Jul 2025 16:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Quant Time: Jul 14 17:29:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration



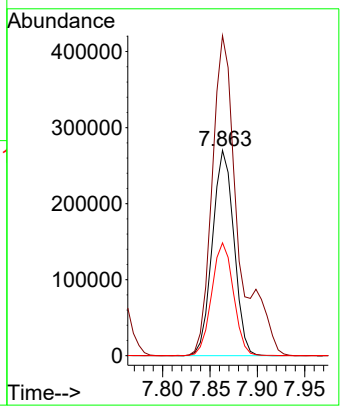


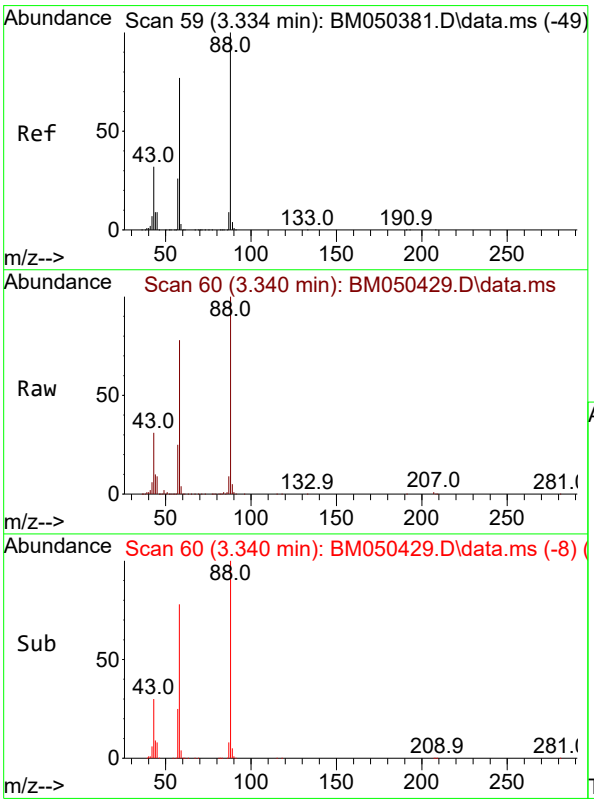

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 427187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.9 | 126.2 | 189.4 |
| 115 | 54.9 | 45.8 | 68.8 |

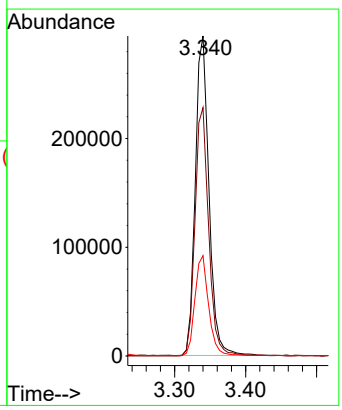


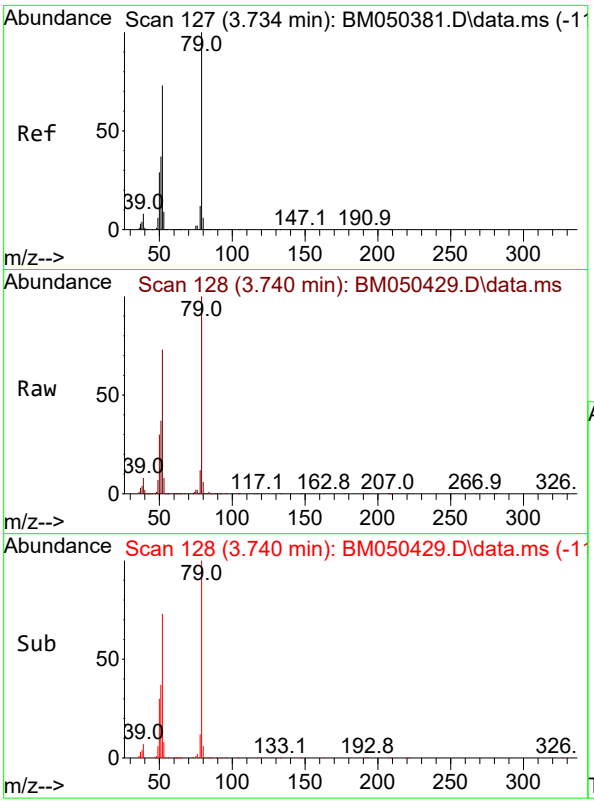




#2
1,4-Dioxane
Concen: 38.676 ng
RT: 3.340 min Scan# 60
Delta R.T. 0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion: 88 Resp: 394686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 77.9 | 61.0 | 91.6 |
| 43 | 31.3 | 24.6 | 37.0 |



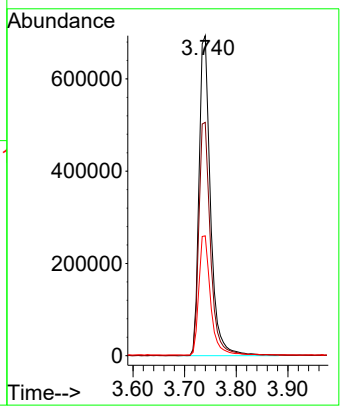


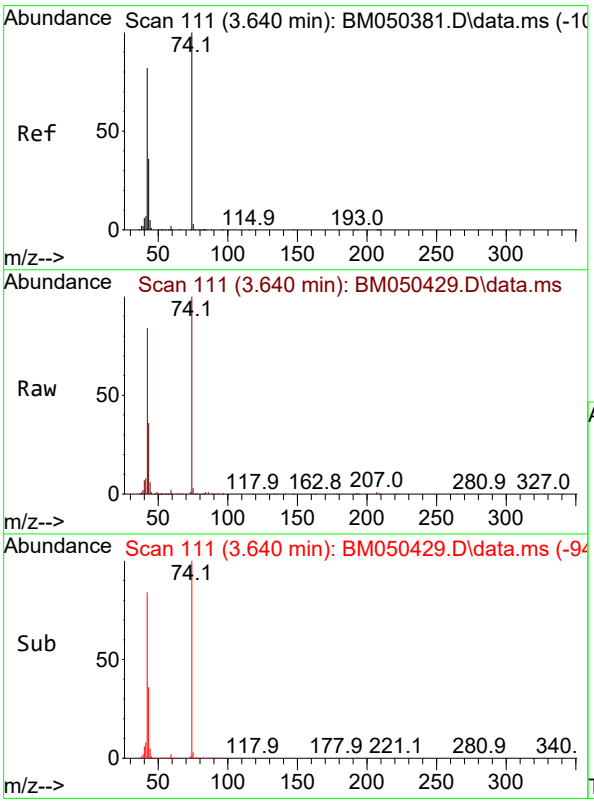

#3
Pyridine
Concen: 39.934 ng
RT: 3.740 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 1069904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 72.9 | 58.3 | 87.5 |
| 51 | 37.4 | 29.6 | 44.4 |

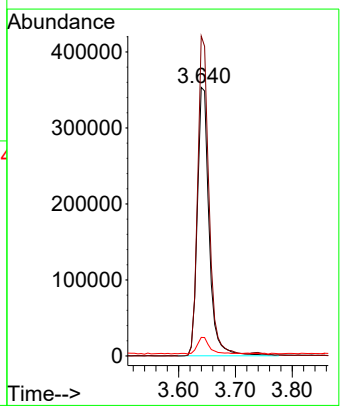


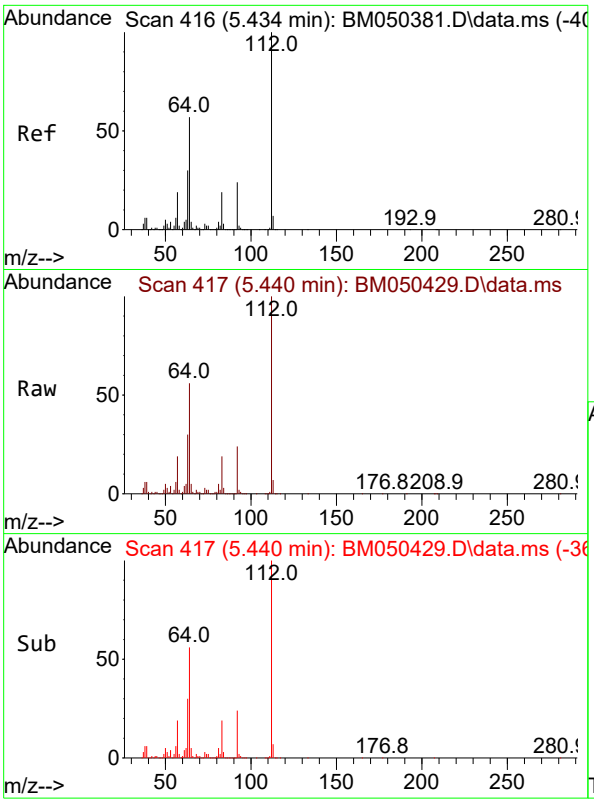




#4
n-Nitrosodimethylamine
Concen: 40.722 ng
RT: 3.640 min Scan# 111
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion: 42 Resp: 508628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 119.1 | 97.5 | 146.3 |
| 44 | 6.9 | 5.7 | 8.5 |



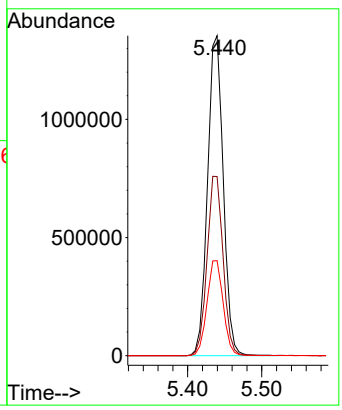


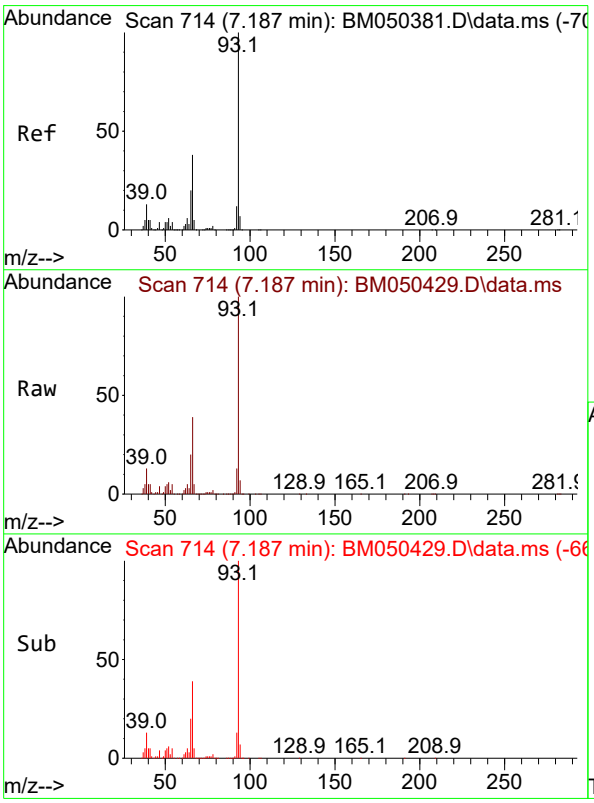

#5
2-Fluorophenol
Concen: 80.393 ng
RT: 5.440 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:112 Resp: 1995139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.0 | 45.5 | 68.3 |
| 63 | 29.7 | 24.2 | 36.4 |

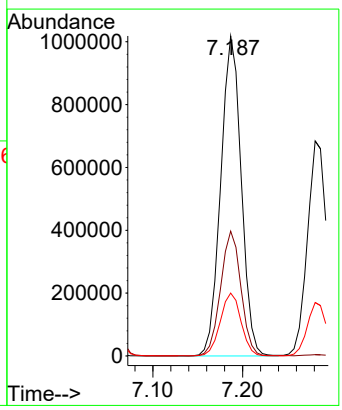


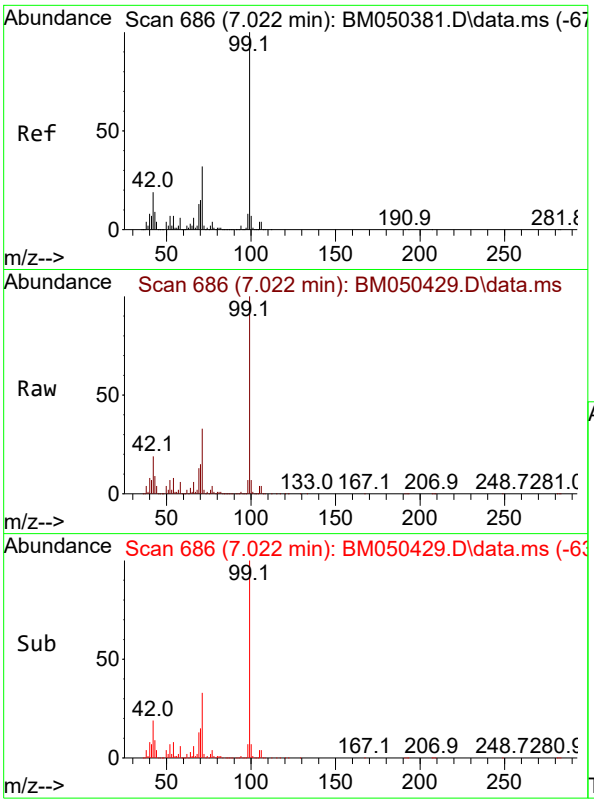




#6
Aniline
Concen: 40.237 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion: 93 Resp: 1615491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.0 | 30.5 | 45.7 |
| 65 | 19.6 | 15.9 | 23.9 |



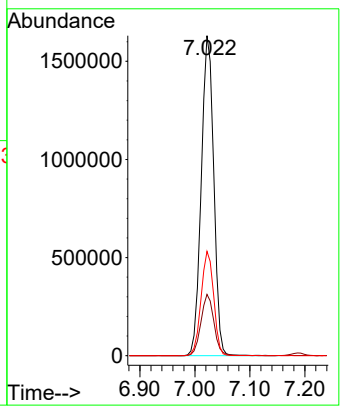


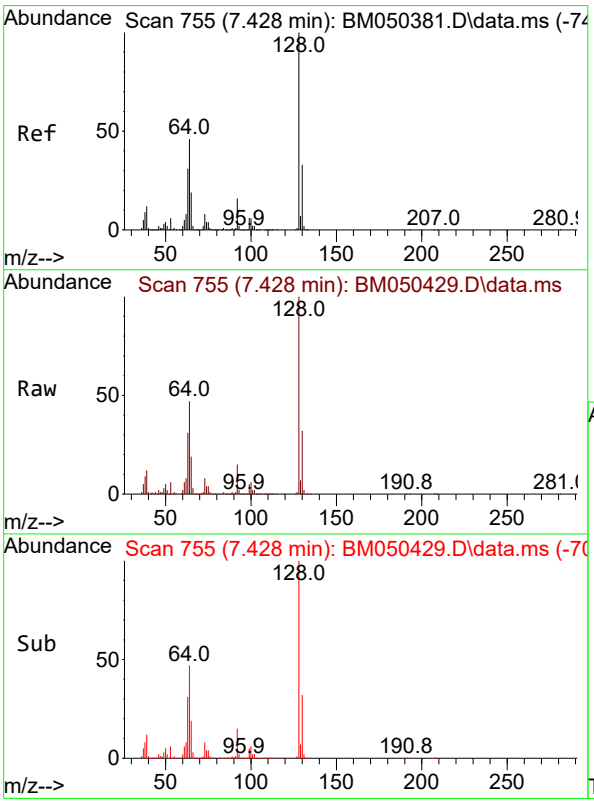

#7
Phenol-d6
Concen: 82.395 ng
RT: 7.022 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 99 Resp: 2577722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.2 | 15.0 | 22.6 |
| 71 | 32.6 | 25.9 | 38.9 |

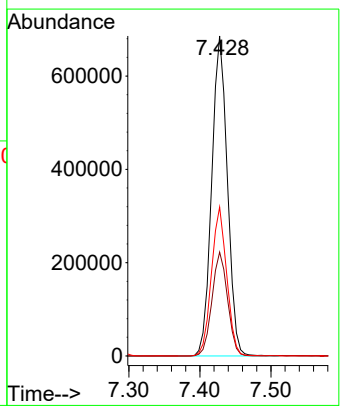


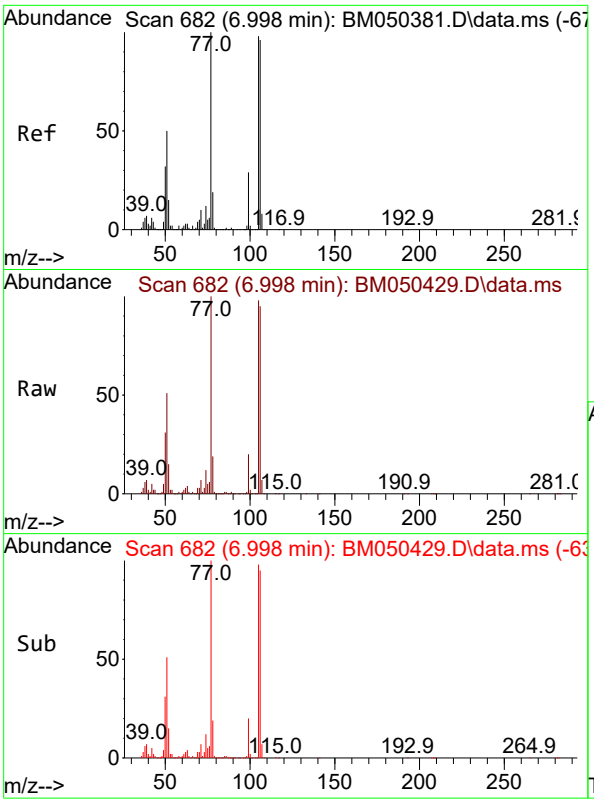




#8
2-Chlorophenol
Concen: 40.070 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:128 Resp: 1048575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.4 | 13.3 | 53.3 |
| 64 | 46.6 | 25.6 | 65.6 |



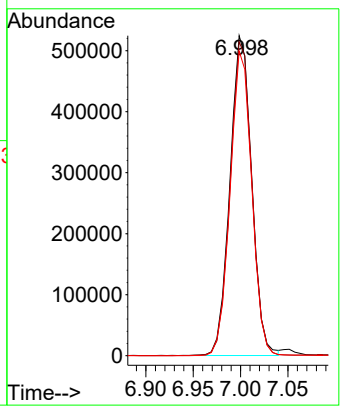


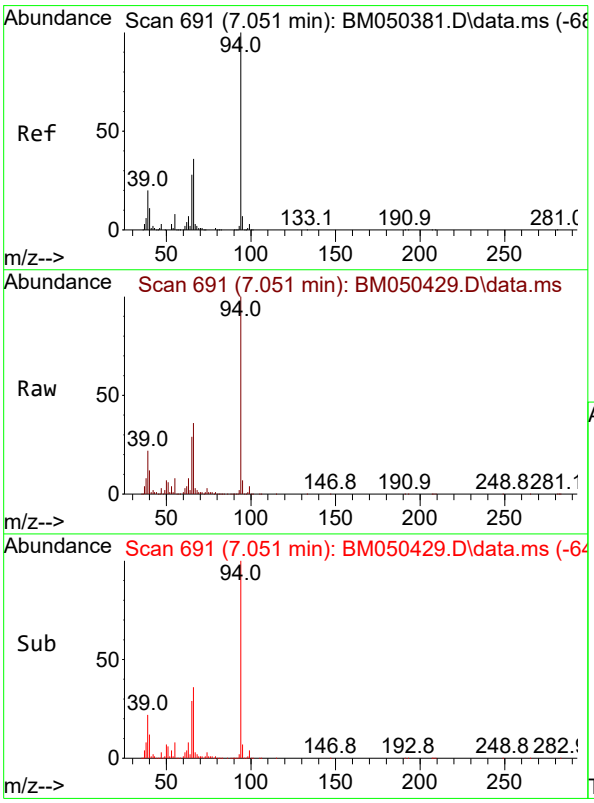

#9
Benzaldehyde
Concen: 44.877 ng
RT: 6.998 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 835180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 98.1 | 78.4 | 118.4 |
| 106 | 95.2 | 76.3 | 116.3 |

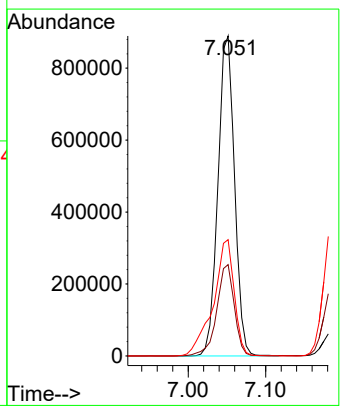


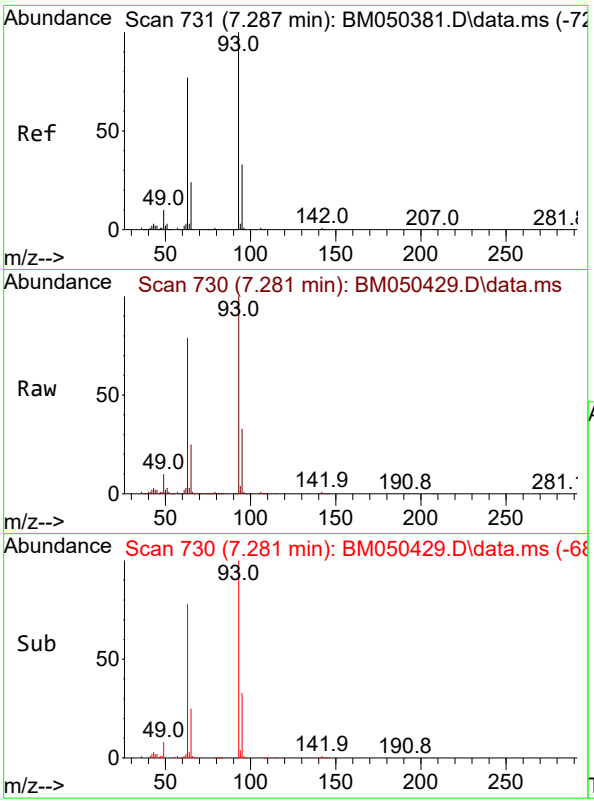




#10
Phenol
Concen: 40.591 ng
RT: 7.051 min Scan# 691
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion: 94 Resp: 1324515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.5 | 8.1 | 48.1 |
| 66 | 36.3 | 15.8 | 55.8 |



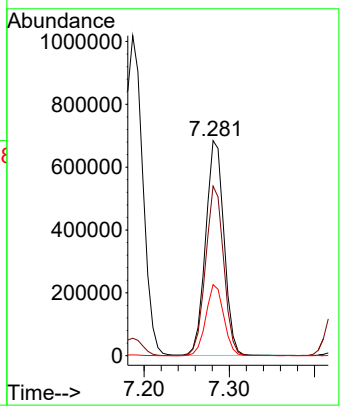


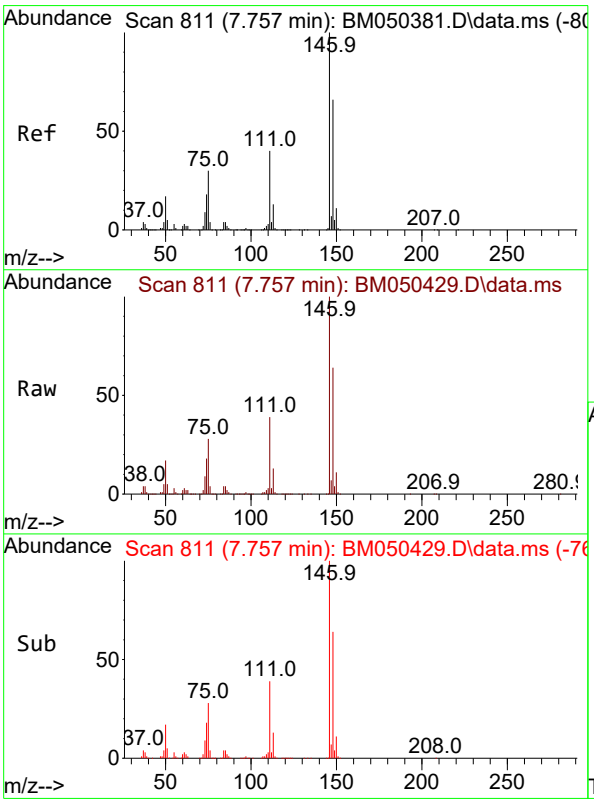

#11
bis(2-Chloroethyl)ether
Concen: 39.256 ng
RT: 7.281 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 93 Resp: 1025844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 78.9 | 56.9 | 96.9 |
| 95 | 33.1 | 12.6 | 52.6 |

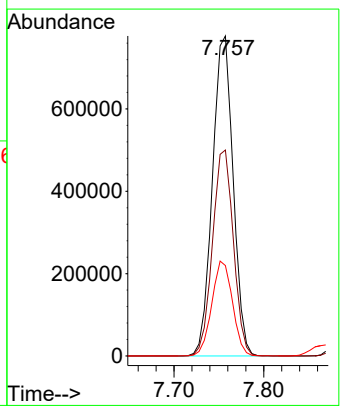


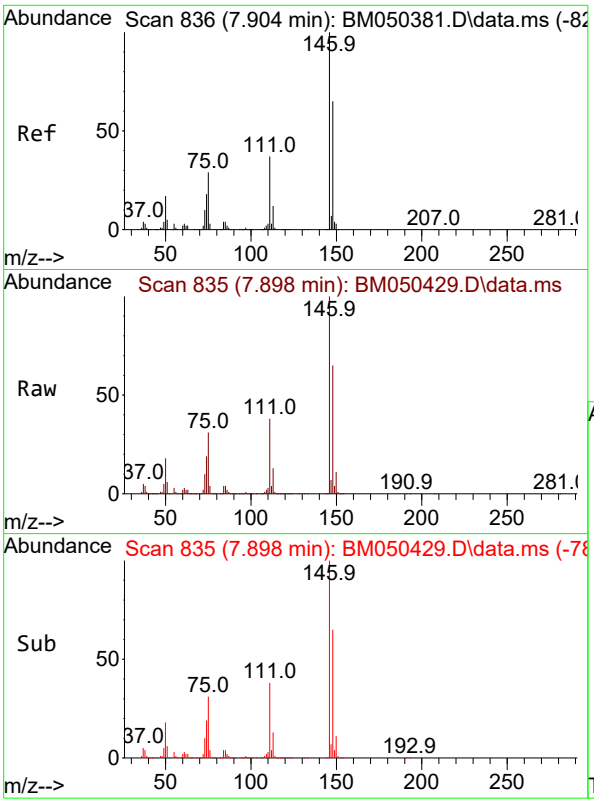




#12
1,3-Dichlorobenzene
Concen: 39.084 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:146 Resp: 1243648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 53.2 | 79.8 |
| 75 | 28.2 | 23.9 | 35.9 |



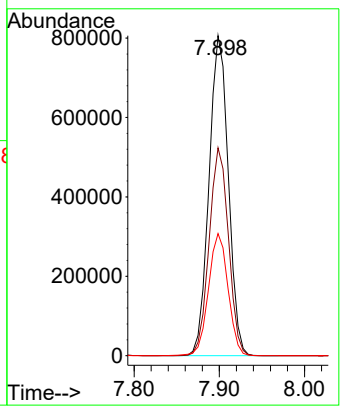


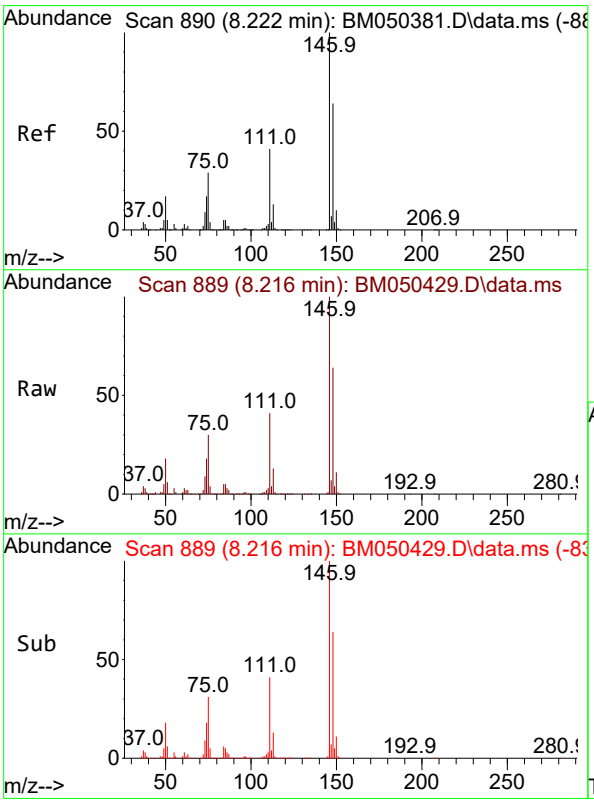

#13
1,4-Dichlorobenzene
Concen: 39.004 ng
RT: 7.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:146 Resp: 1267305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.9 | 51.9 | 77.9 |
| 111 | 38.1 | 30.0 | 45.0 |

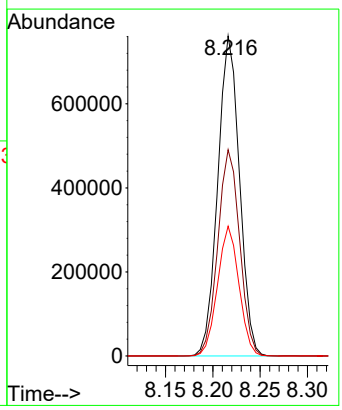


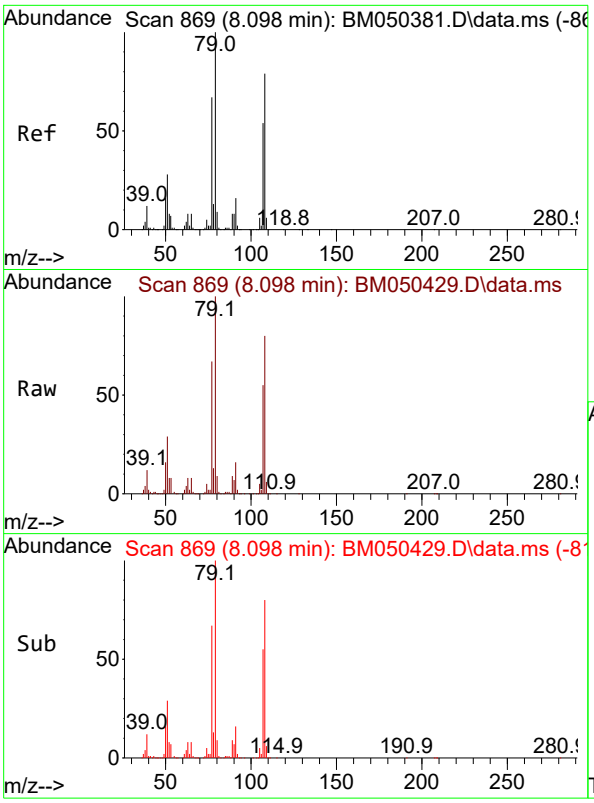




#14
1,2-Dichlorobenzene
Concen: 39.116 ng
RT: 8.216 min Scan# 889
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:146 Resp: 1216761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.5 | 77.3 |
| 111 | 40.5 | 32.6 | 49.0 |



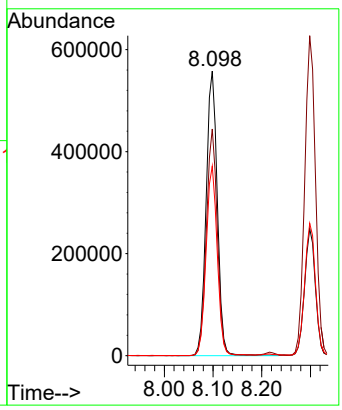


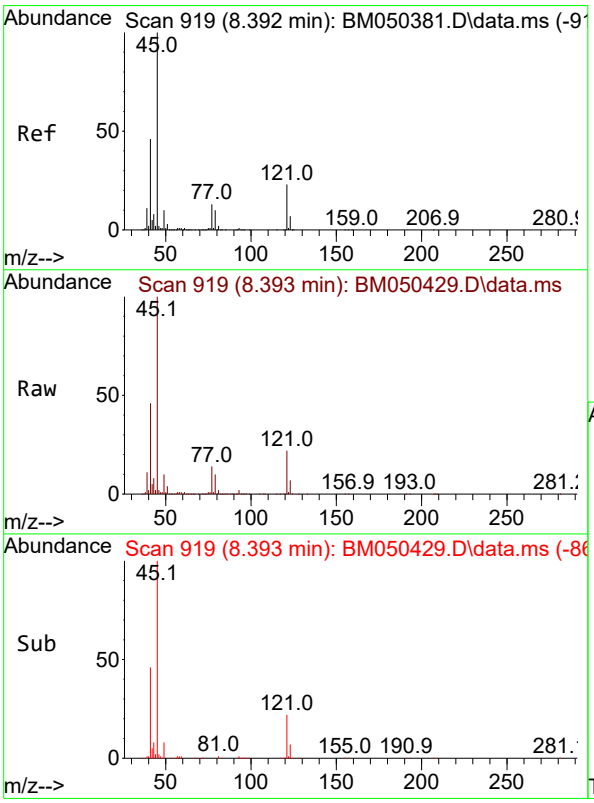

#15
Benzyl Alcohol
Concen: 40.162 ng
RT: 8.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 885308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 79.6 | 63.0 | 94.4 |
| 77 | 66.6 | 53.4 | 80.0 |

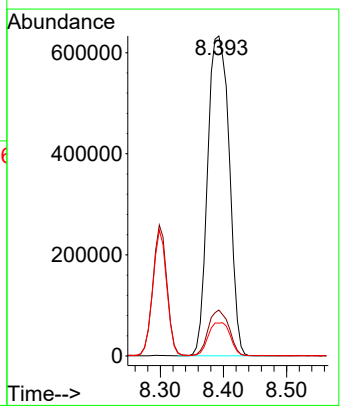


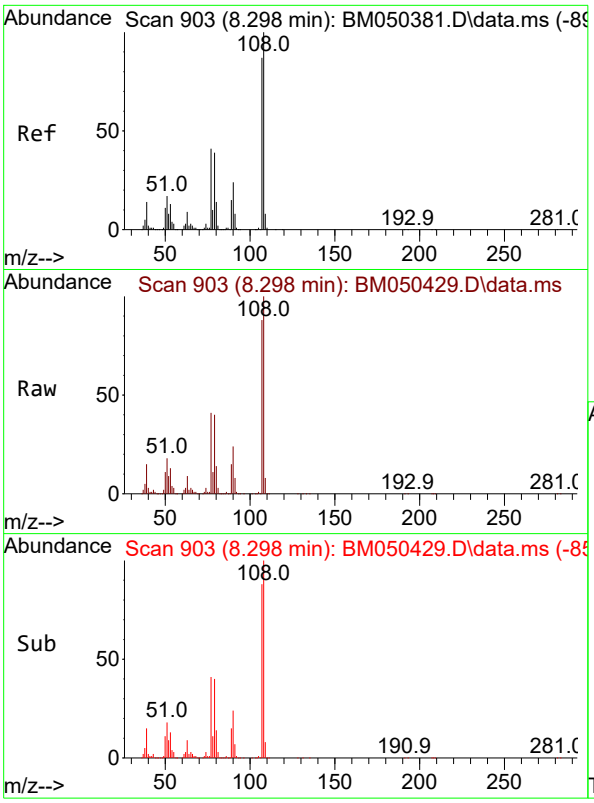




#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.024 ng
RT: 8.393 min Scan# 919
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion: 45 Resp: 1502122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.4 | 0.0 | 33.5 |
| 79 | 10.3 | 0.0 | 30.3 |



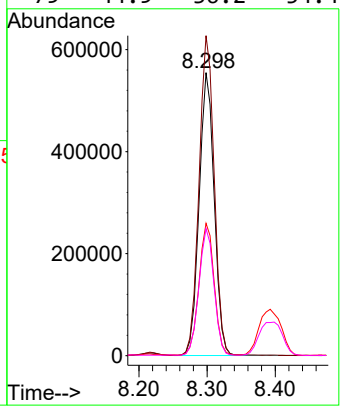


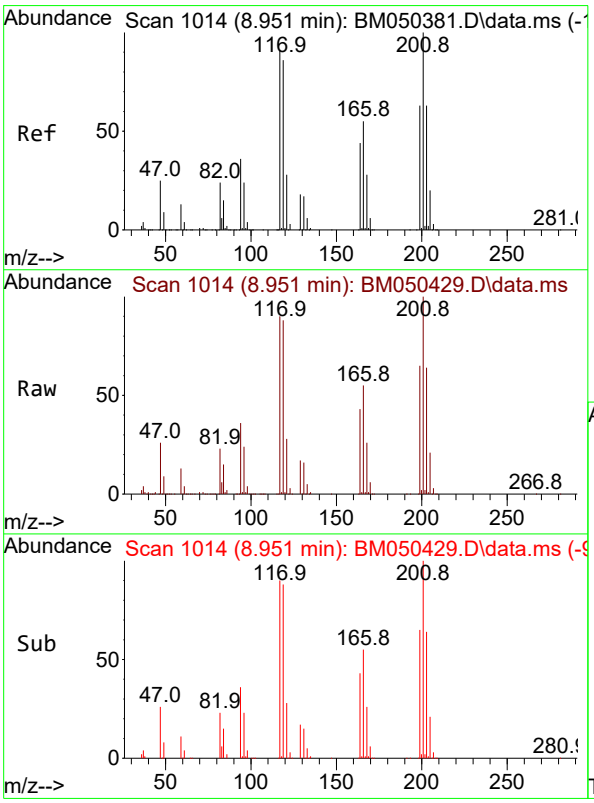

#17
2-Methylphenol
Concen: 40.241 ng
RT: 8.298 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:107 Resp: 851638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.1 | 92.1 | 138.1 |
| 77 | 46.7 | 38.2 | 57.4 |
| 79 | 44.9 | 36.2 | 54.4 |

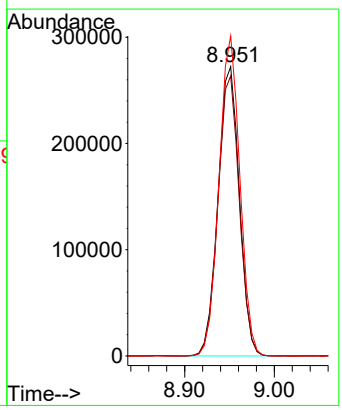


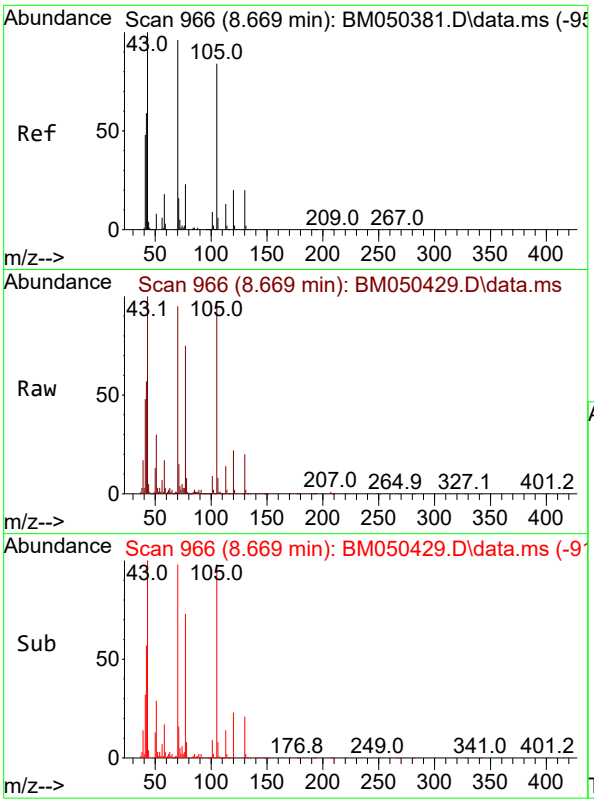




#18
Hexachloroethane
Concen: 39.443 ng
RT: 8.951 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:117 Resp: 450718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.8 | 75.6 | 113.4 |
| 201 | 110.6 | 87.9 | 131.9 |



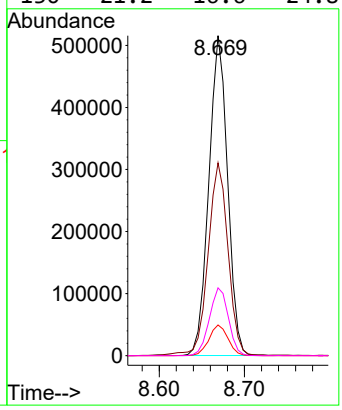


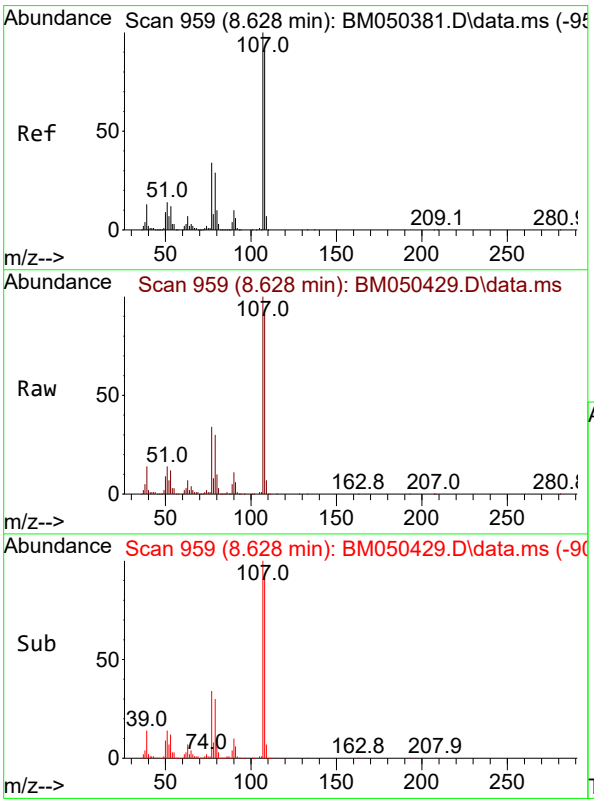

#19
n-Nitroso-di-n-propylamine
Concen: 41.504 ng
RT: 8.669 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 70 Resp: 786604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 60.3 | 49.7 | 74.5 |
| 101 | 9.6 | 7.7 | 11.5 |
| 130 | 21.2 | 16.6 | 24.8 |

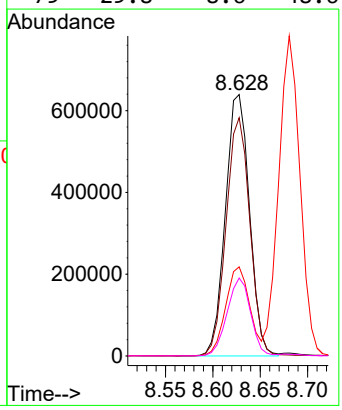


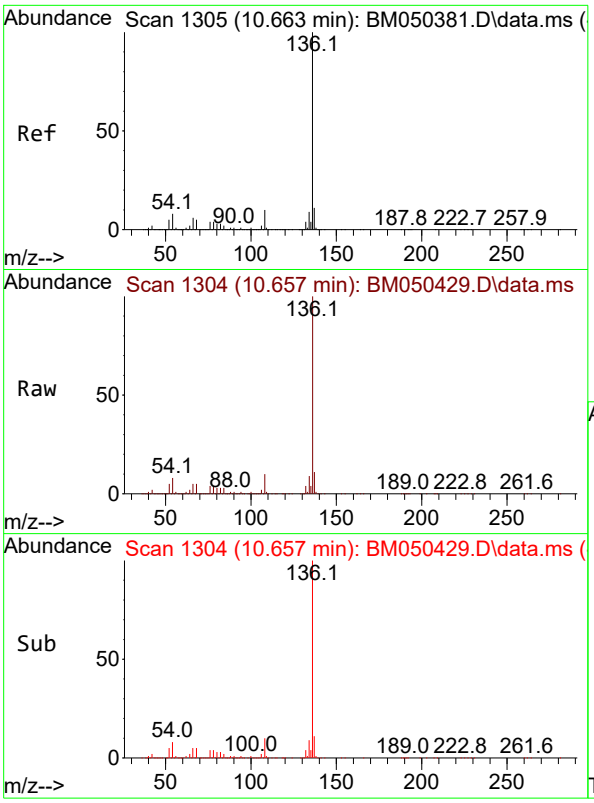




#20
3+4-Methylphenols
Concen: 39.839 ng
RT: 8.628 min Scan# 959
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:107 Resp: 1131842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.2 | 71.5 | 111.5 |
| 77 | 34.1 | 13.7 | 53.7 |
| 79 | 29.8 | 8.6 | 48.6 |



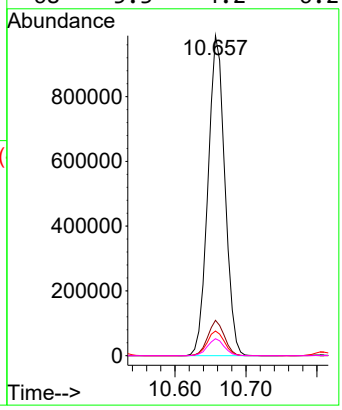


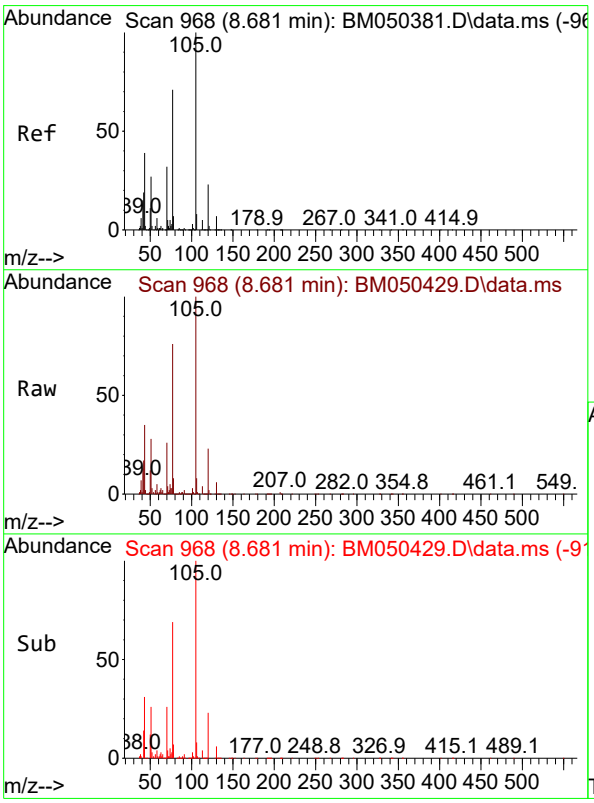

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:136 Resp: 1630124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.8 | 13.2 |
| 54 | 7.7 | 6.3 | 9.5 |
| 68 | 5.3 | 4.2 | 6.2 |

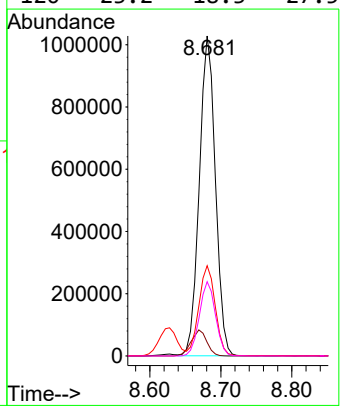


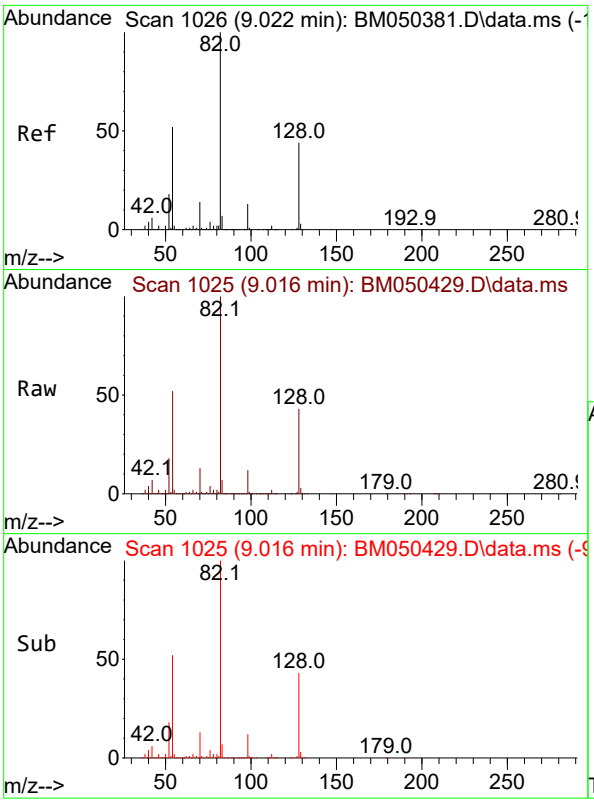




#22
Acetophenone
Concen: 39.815 ng
RT: 8.681 min Scan# 968
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:105 Resp: 1622764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 4.3 | 4.4 | 6.6# |
| 51 | 28.2 | 23.0 | 34.6 |
| 120 | 23.2 | 18.3 | 27.5 |



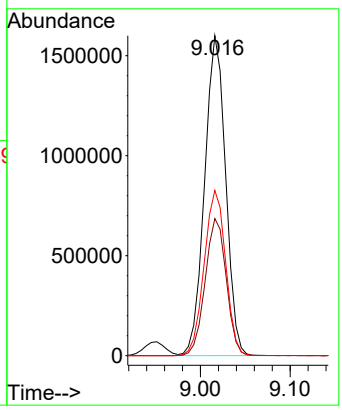


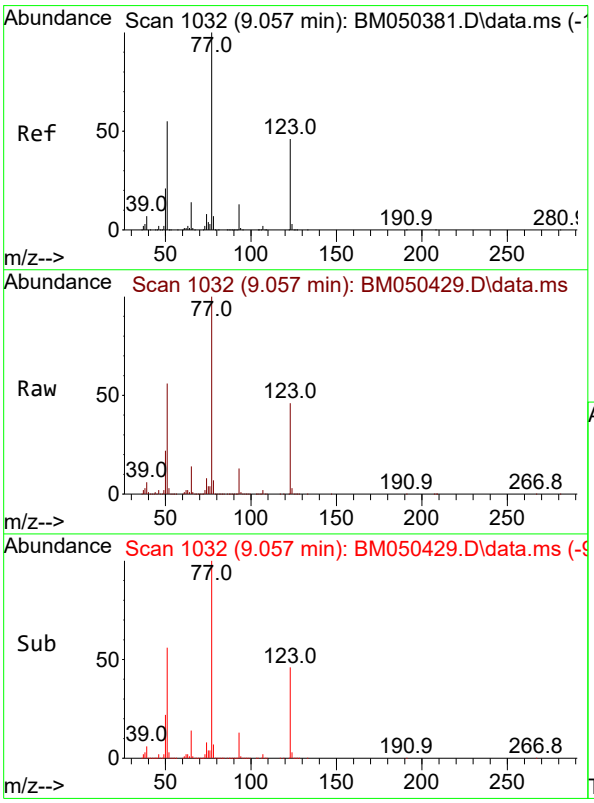

#23
Nitrobenzene-d5
Concen: 81.413 ng
RT: 9.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 2601285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.9 | 35.2 | 52.8 |
| 54 | 51.6 | 41.5 | 62.3 |

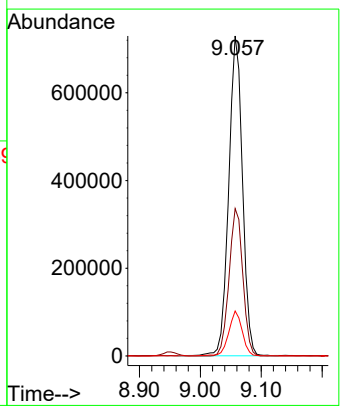


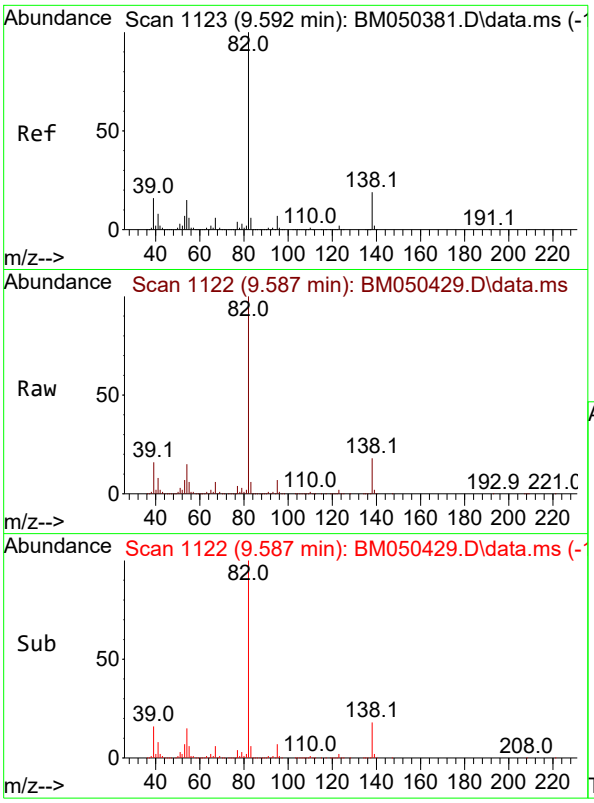




#24
Nitrobenzene
Concen: 40.131 ng
RT: 9.057 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion: 77 Resp: 1144240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.0 | 37.0 | 55.6 |
| 65 | 14.1 | 11.0 | 16.4 |



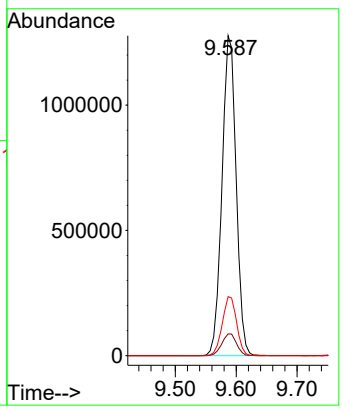


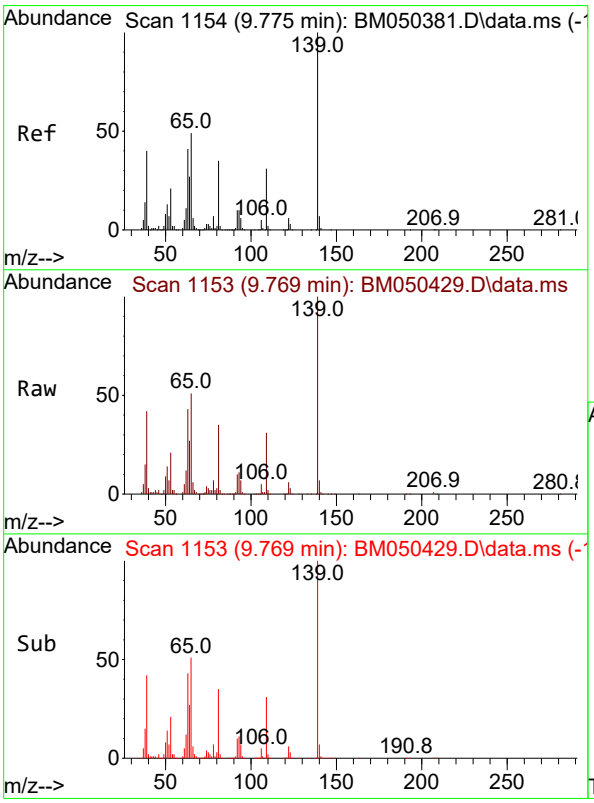

#25
Isophorone
Concen: 39.716 ng
RT: 9.587 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 2059150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.8 | 5.6 | 8.4 |
| 138 | 18.4 | 15.3 | 22.9 |

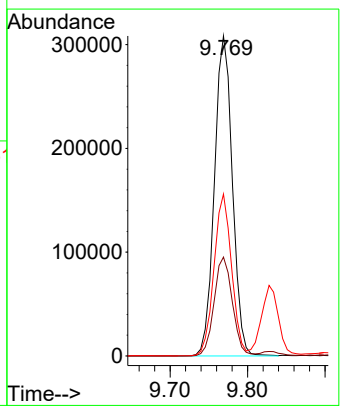


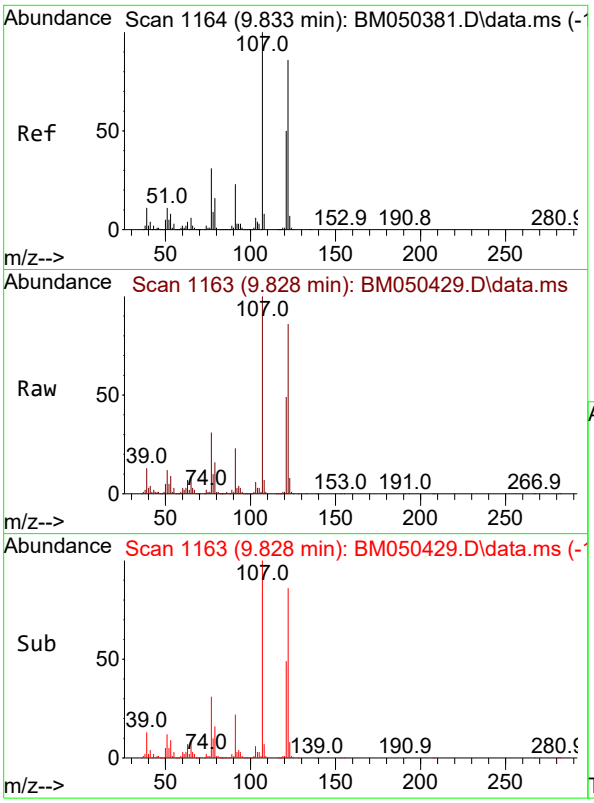




#26
2-Nitrophenol
Concen: 42.742 ng
RT: 9.769 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:139 Resp: 496689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.9 | 24.6 | 36.8 |
| 65 | 50.6 | 39.2 | 58.8 |



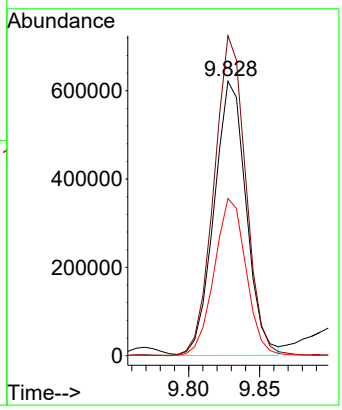


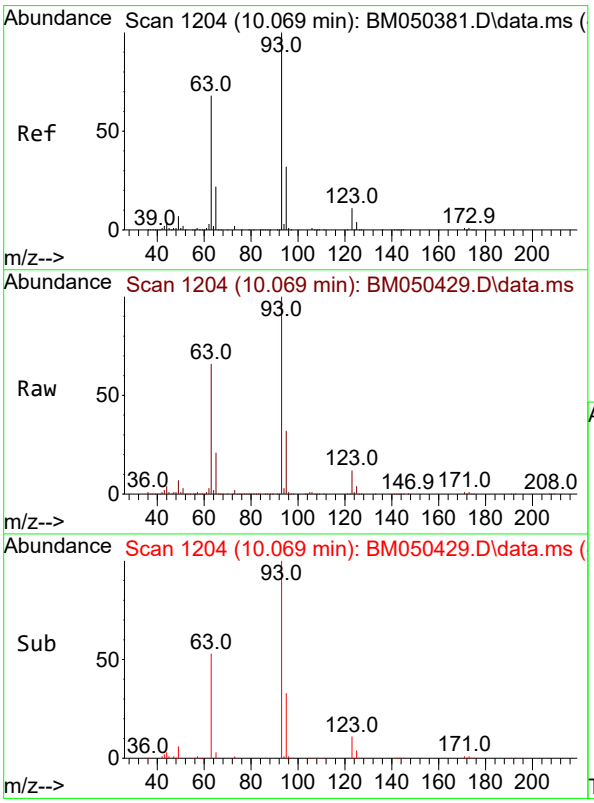

#27
2,4-Dimethylphenol
Concen: 39.483 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:122 Resp: 976301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 116.6 | 93.0 | 139.6 |
| 121 | 57.3 | 46.1 | 69.1 |

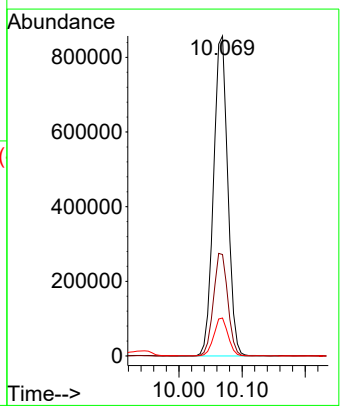


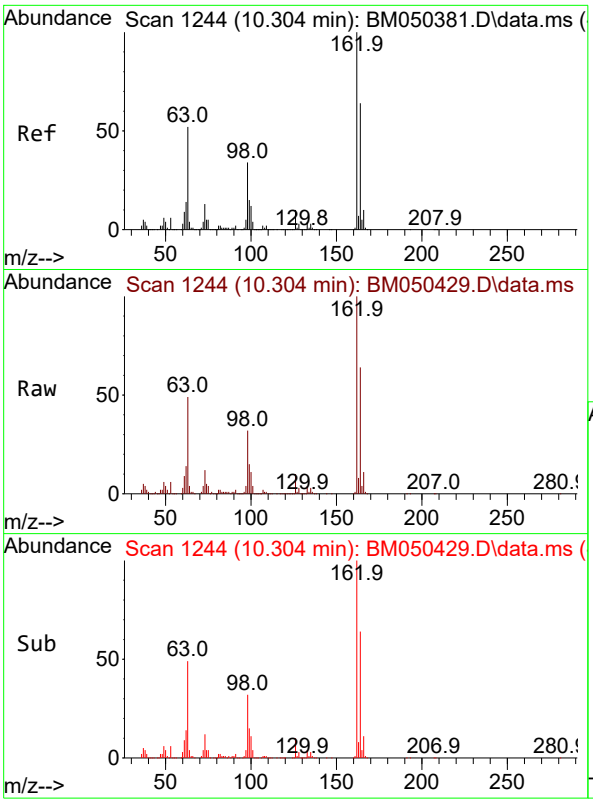




#28
bis(2-Chloroethoxy)methane
Concen: 38.943 ng
RT: 10.069 min Scan# 1204
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion: 93 Resp: 1337922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 31.7 | 25.8 | 38.6 |
| 123 | 11.9 | 9.1 | 13.7 |



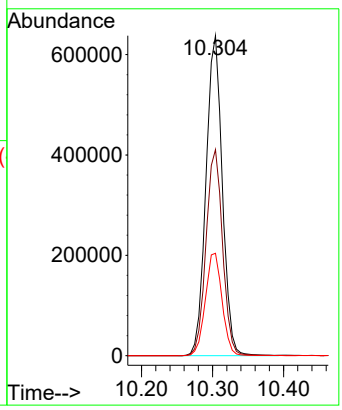


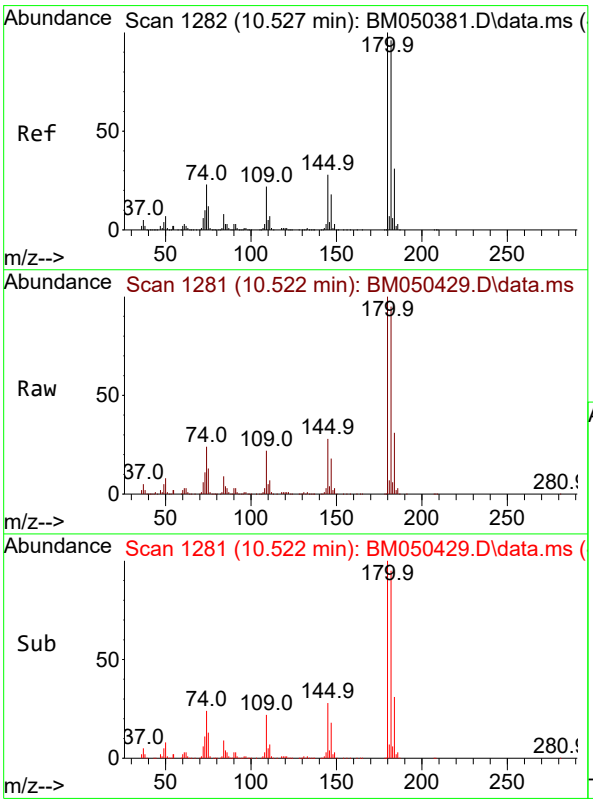

#29
2,4-Dichlorophenol
Concen: 40.196 ng
RT: 10.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 1021142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.4 | 43.7 | 83.7 |
| 98 | 32.0 | 13.7 | 53.7 |

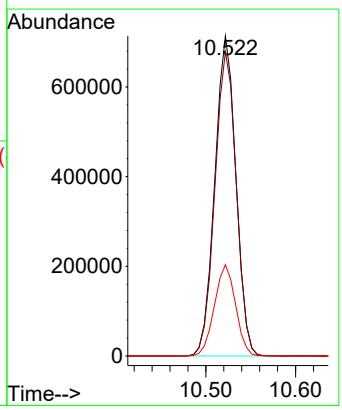


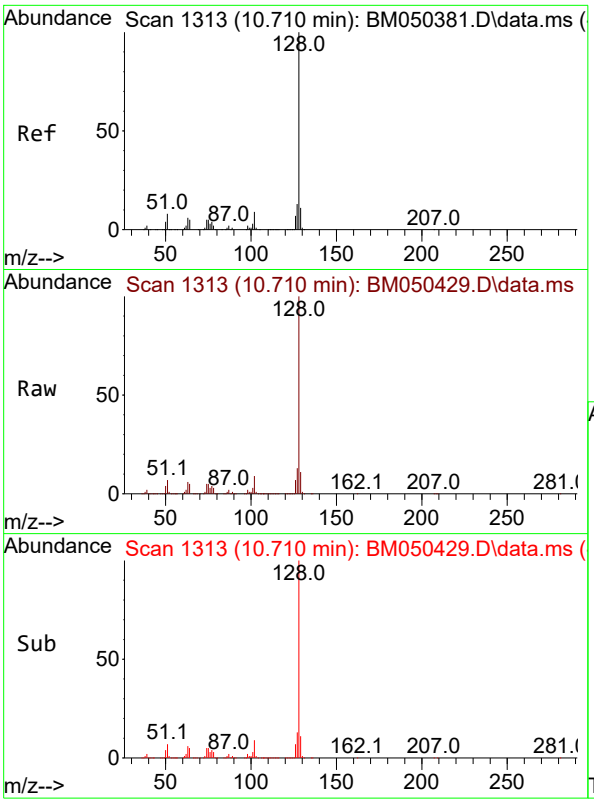




#30
1,2,4-Trichlorobenzene
Concen: 38.342 ng
RT: 10.522 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:180 Resp: 1165230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.1 | 76.8 | 115.2 |
| 145 | 28.5 | 22.6 | 33.8 |



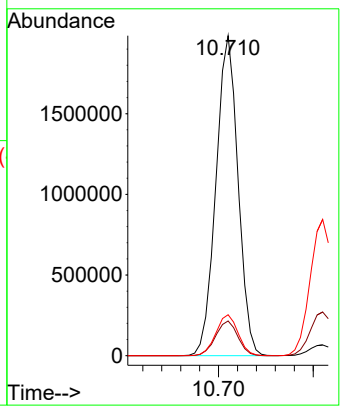


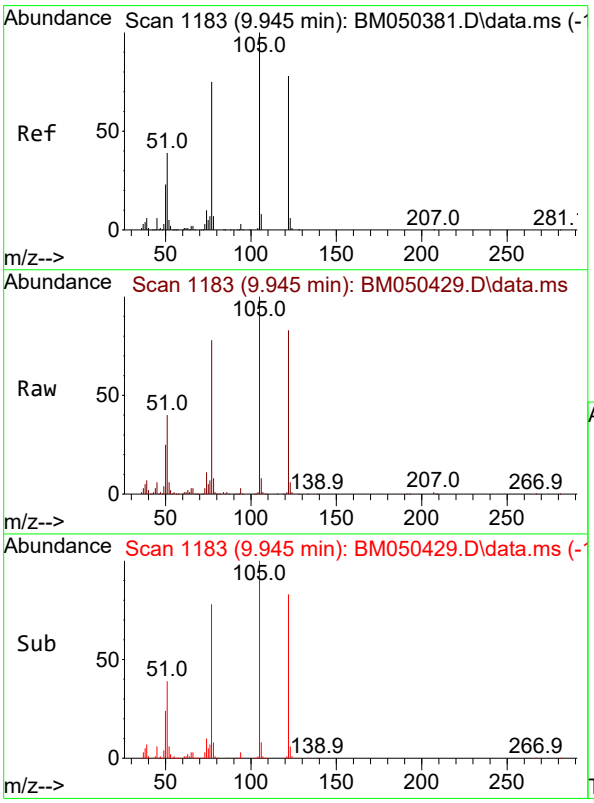

#31
Naphthalene
Concen: 38.781 ng
RT: 10.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:128 Resp: 3211004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.8 | 13.2 |
| 127 | 12.8 | 10.4 | 15.6 |

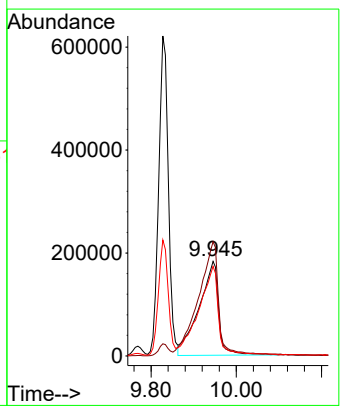


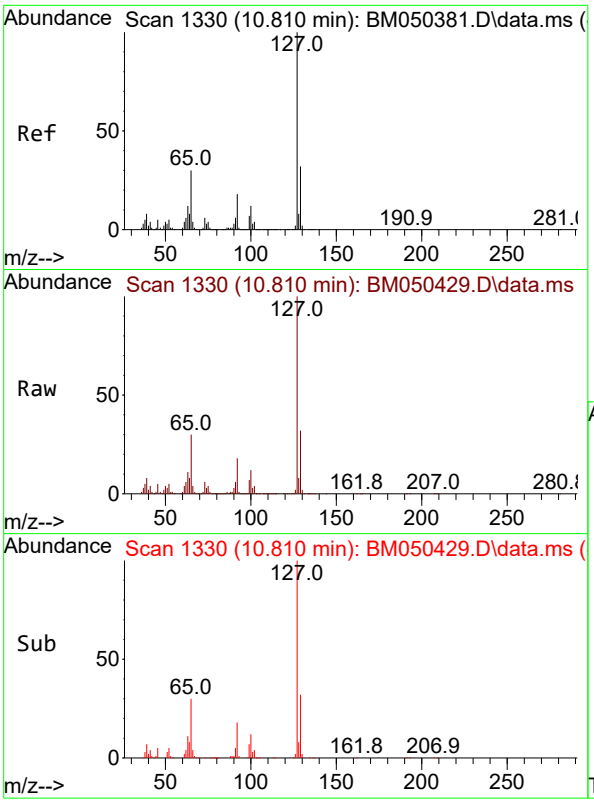




#32
Benzoic acid
Concen: 39.787 ng
RT: 9.945 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:122 Resp: 586168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 120.7 | 104.0 | 144.0 |
| 77 | 94.7 | 73.8 | 113.8 |



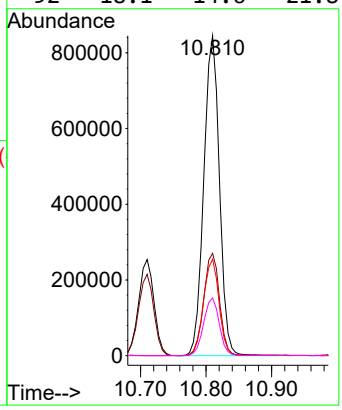


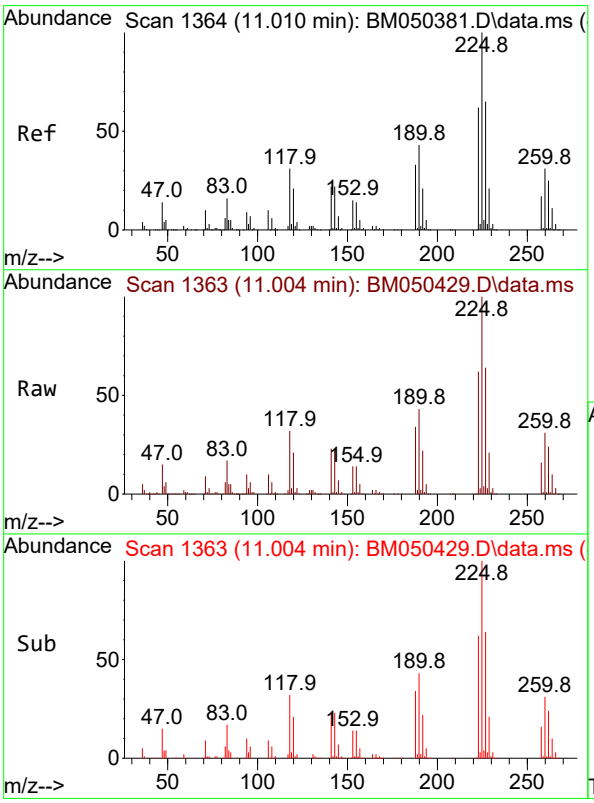

#33
4-Chloroaniline
Concen: 40.145 ng
RT: 10.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:127 Resp: 1405215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.0 | 25.5 | 38.3 |
| 65 | 30.1 | 23.9 | 35.9 |
| 92 | 18.1 | 14.6 | 21.8 |

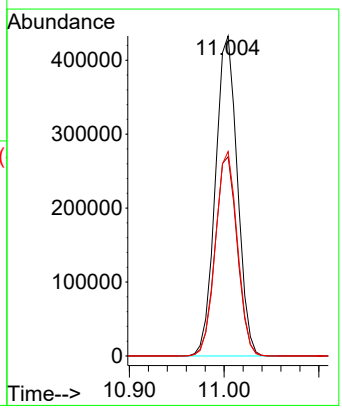


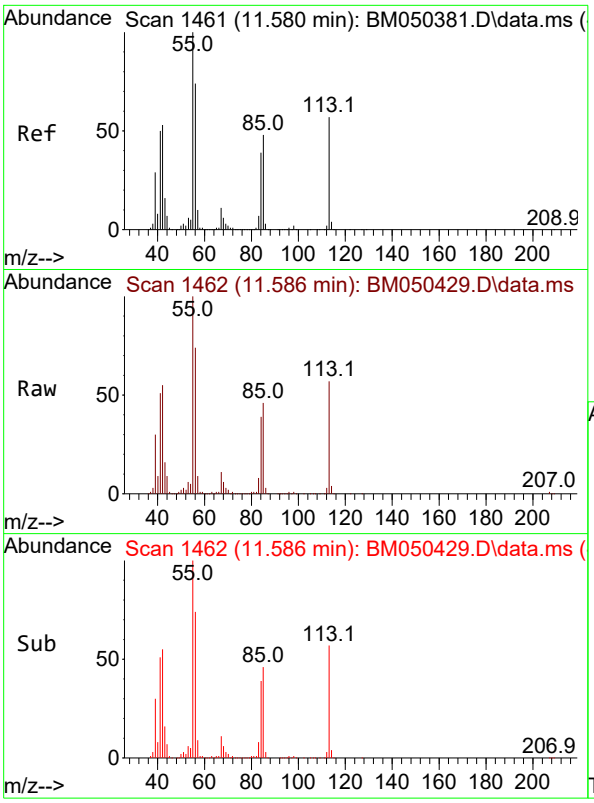




#34
Hexachlorobutadiene
Concen: 37.580 ng
RT: 11.004 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:225 Resp: 697048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.3 | 49.7 | 74.5 |
| 227 | 63.9 | 52.1 | 78.1 |



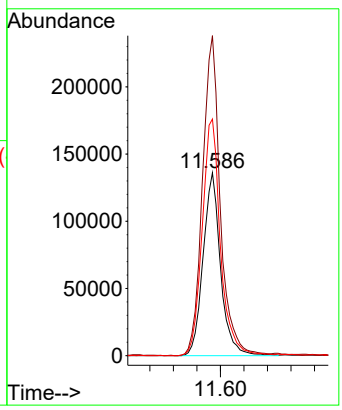


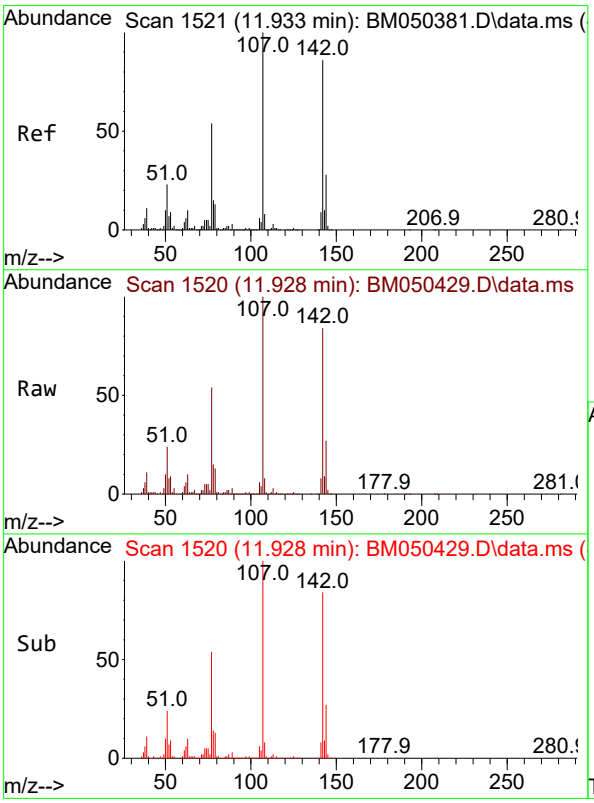

#35
Caprolactam
Concen: 40.432 ng
RT: 11.586 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:113 Resp: 280390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 175.0 | 157.2 | 197.2 |
| 56 | 129.4 | 111.7 | 151.7 |

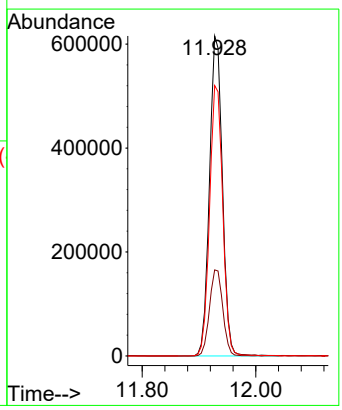


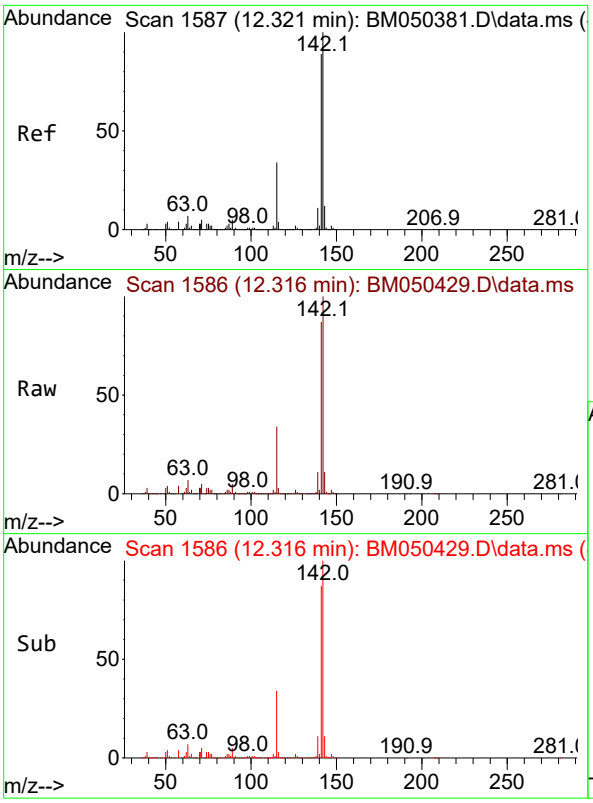




#36
4-Chloro-3-methylphenol
Concen: 40.774 ng
RT: 11.928 min Scan# 1520
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:107 Resp: 967256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.9 | 22.2 | 33.4 |
| 142 | 84.5 | 68.7 | 103.1 |



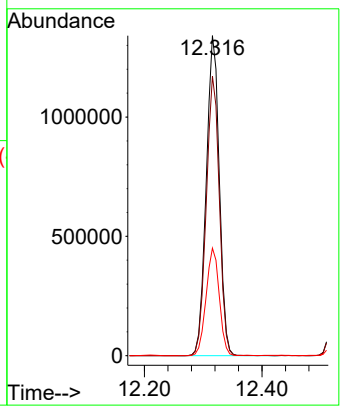


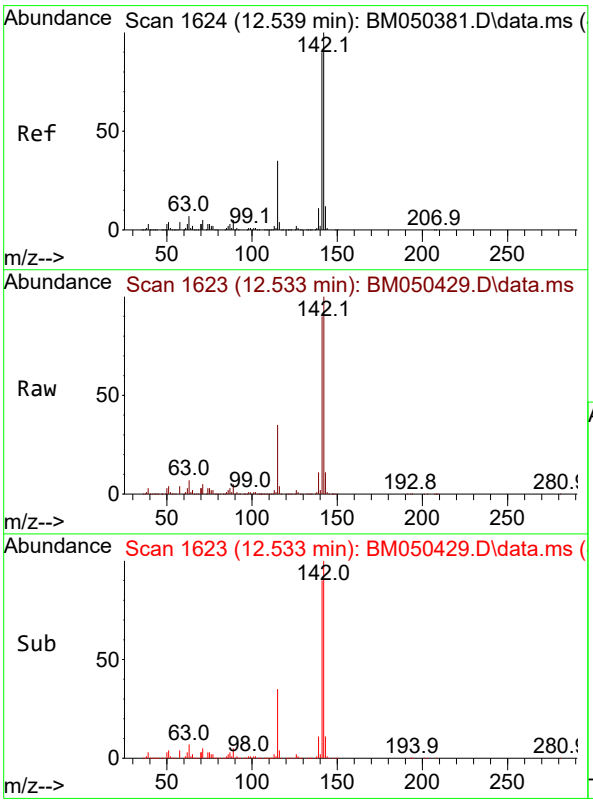

#37
2-Methylnaphthalene
Concen: 39.410 ng
RT: 12.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:142 Resp: 2060342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.4 | 70.8 | 106.2 |
| 115 | 33.6 | 27.0 | 40.4 |

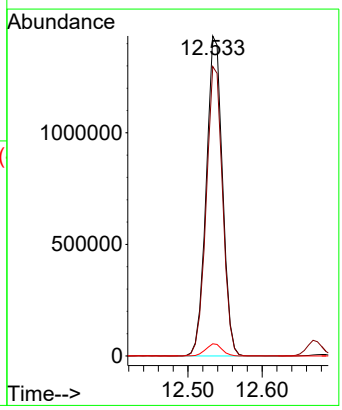


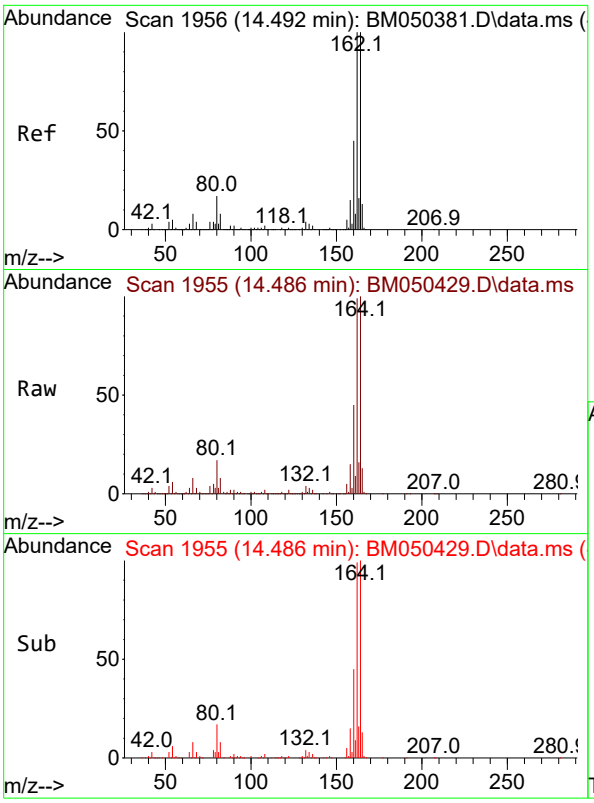




#38
1-Methylnaphthalene
Concen: 39.418 ng
RT: 12.533 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:142 Resp: 2180920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.4 | 71.9 | 107.9 |
| 116 | 3.8 | 3.0 | 4.6 |



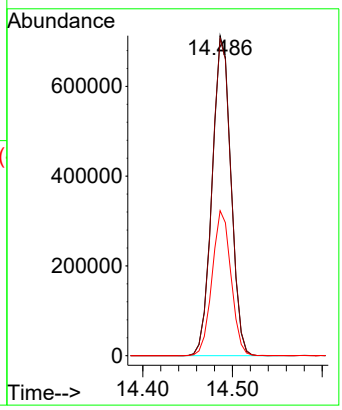


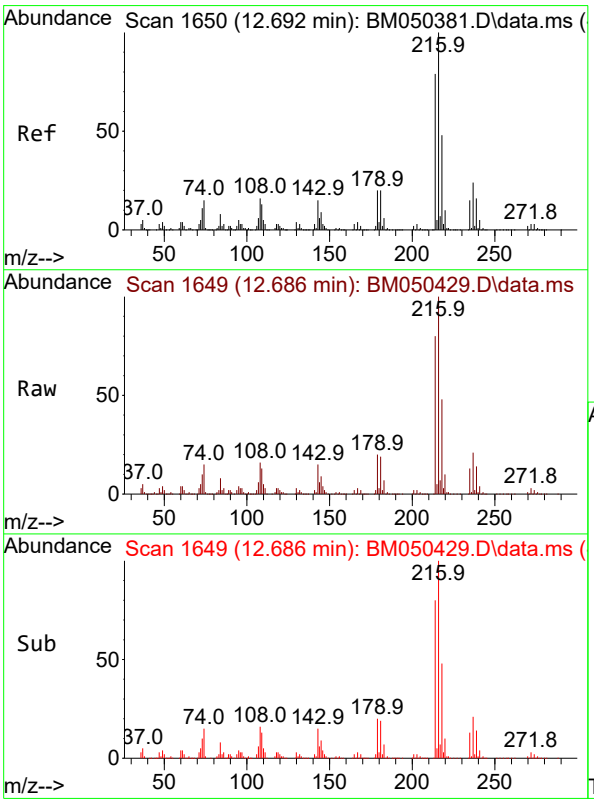

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:164 Resp: 1036891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.1 | 79.9 | 119.9 |
| 160 | 45.3 | 36.2 | 54.4 |

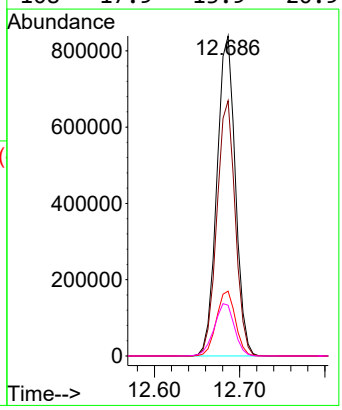


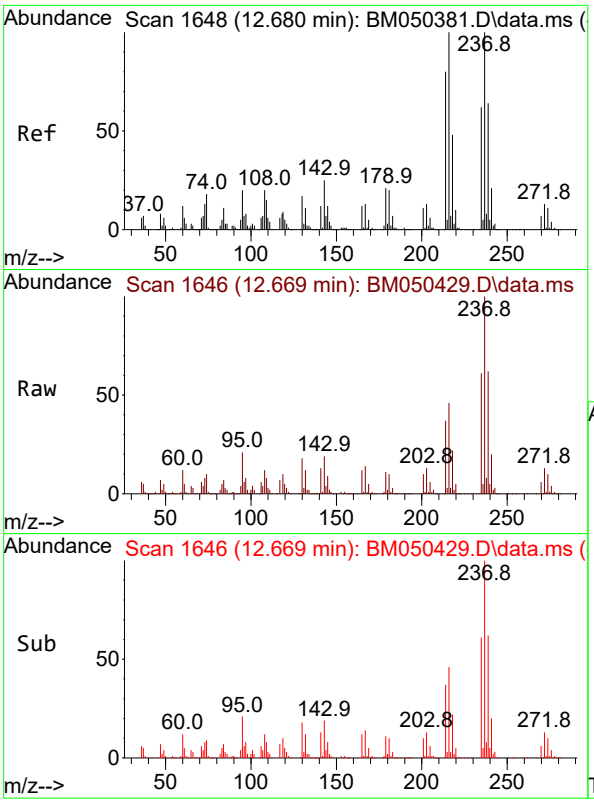




#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.323 ng
RT: 12.686 min Scan# 1649
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:216 Resp: 1263676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.3 | 63.3 | 94.9 |
| 179 | 20.9 | 16.4 | 24.6 |
| 108 | 17.9 | 13.9 | 20.9 |



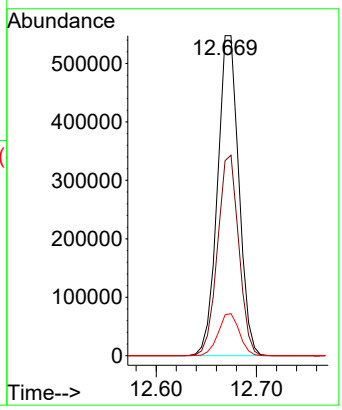


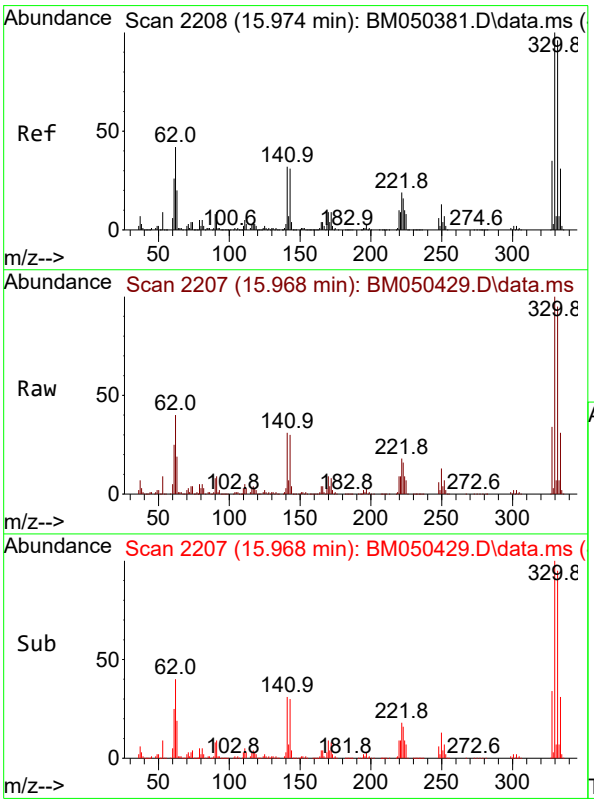

#41
Hexachlorocyclopentadiene
Concen: 38.245 ng
RT: 12.669 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:237 Resp: 806112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.0 | 42.3 | 82.3 |
| 272 | 12.8 | 0.0 | 33.0 |

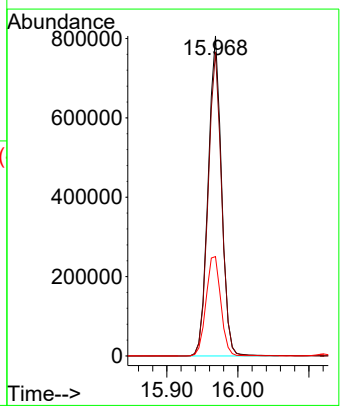


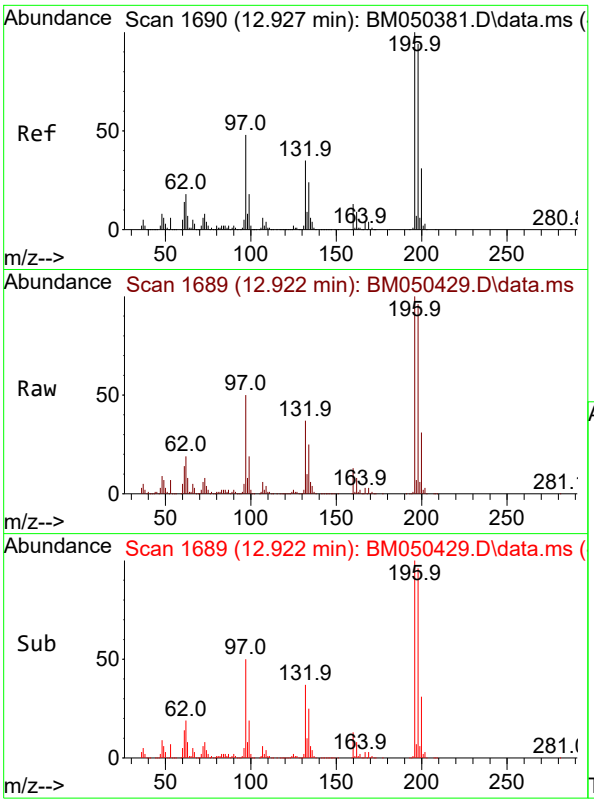




#42
2,4,6-Tribromophenol
Concen: 83.942 ng
RT: 15.968 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:330 Resp: 1057523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.6 | 76.9 | 115.3 |
| 141 | 34.3 | 27.4 | 41.0 |



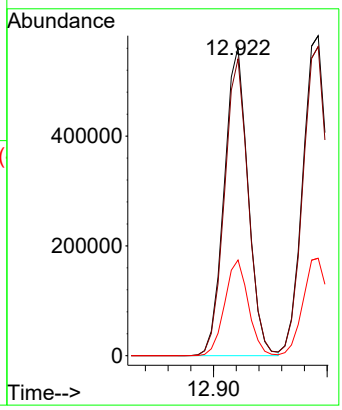


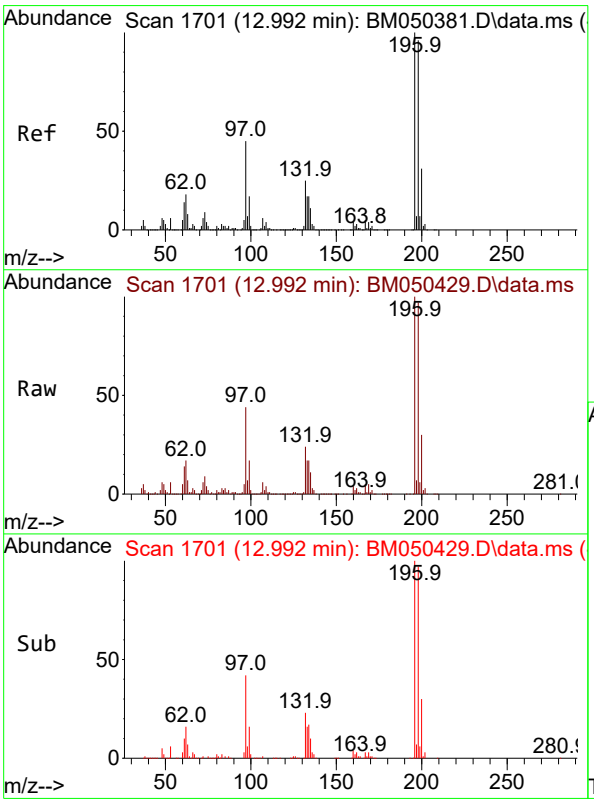

#43
2,4,6-Trichlorophenol
Concen: 40.394 ng
RT: 12.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:196 Resp: 819880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.2 | 75.1 | 112.7 |
| 200 | 31.0 | 24.6 | 37.0 |

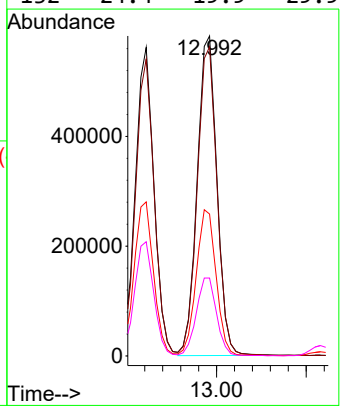


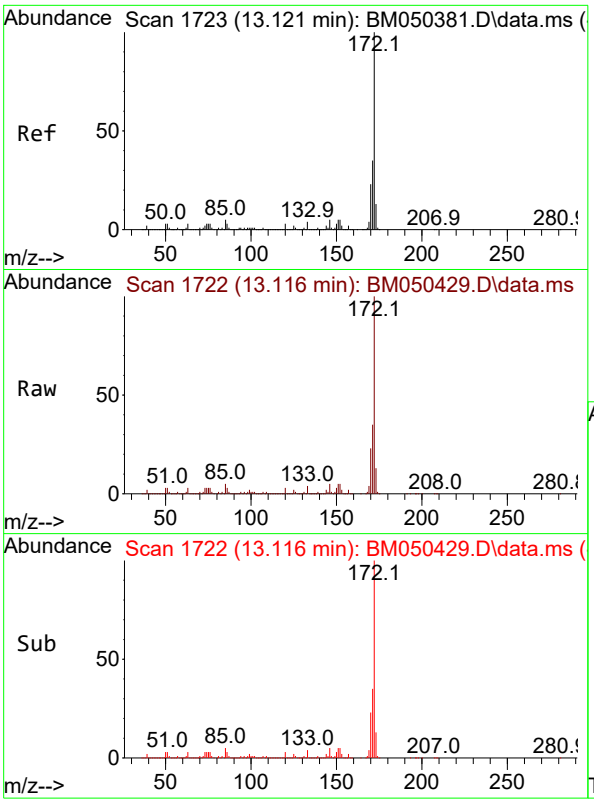




#44
2,4,5-Trichlorophenol
Concen: 40.188 ng
RT: 12.992 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:196 Resp: 890828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.6 | 77.2 | 115.8 |
| 97 | 44.4 | 36.2 | 54.4 |
| 132 | 24.4 | 19.9 | 29.9 |



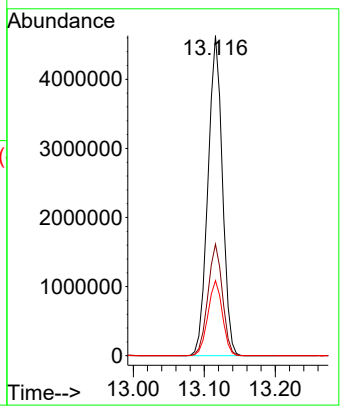


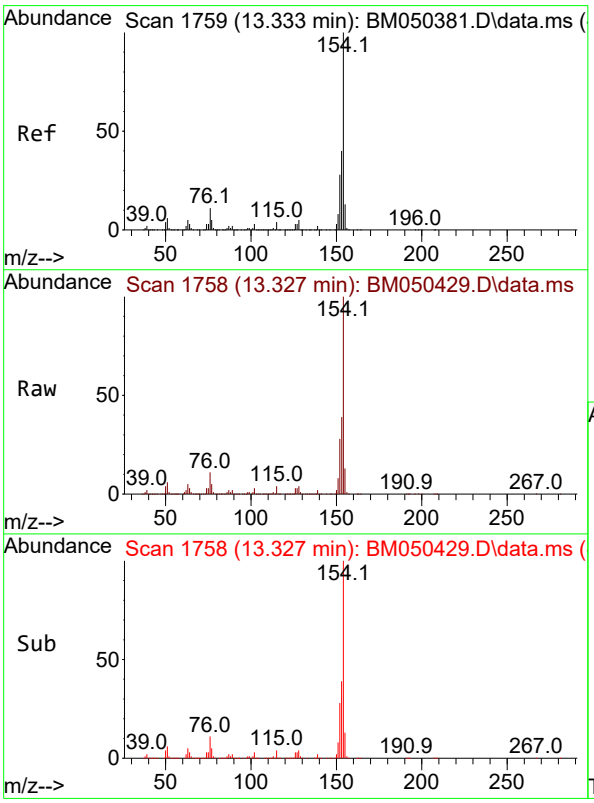

#45
2-Fluorobiphenyl
Concen: 77.961 ng
RT: 13.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:172 Resp: 6545863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 27.7 | 41.5 |
| 170 | 23.4 | 18.8 | 28.2 |

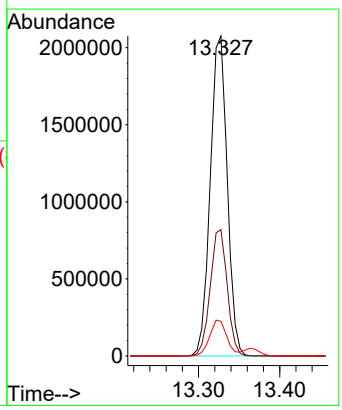


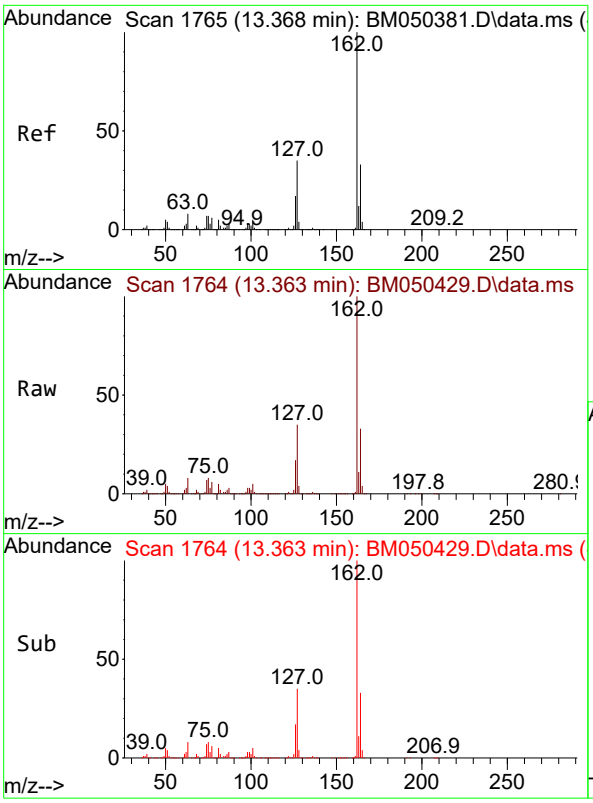




#46
1,1'-Biphenyl
Concen: 39.087 ng
RT: 13.327 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:154 Resp: 3007012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.4 | 19.7 | 59.7 |
| 76 | 10.9 | 0.0 | 30.9 |



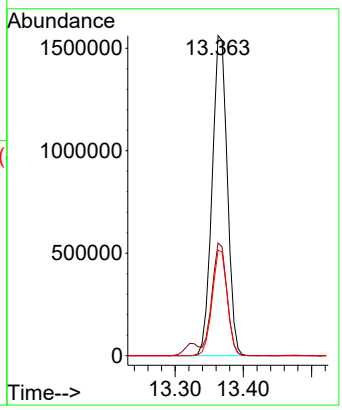


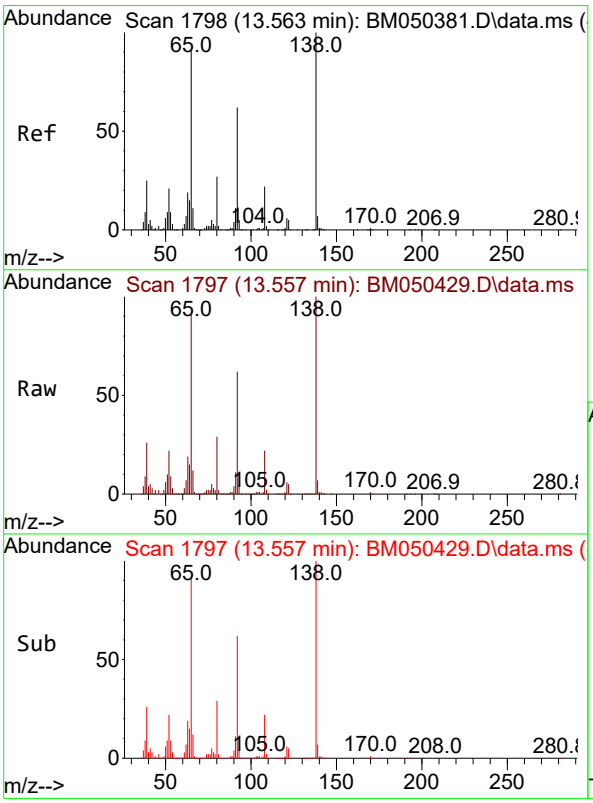

#47
2-Chloronaphthalene
Concen: 39.380 ng
RT: 13.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 2415494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 35.2 | 28.3 | 42.5 |
| 164 | 33.0 | 26.6 | 40.0 |

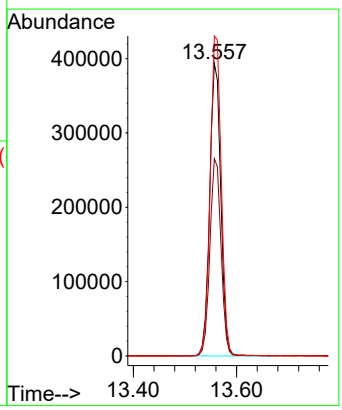


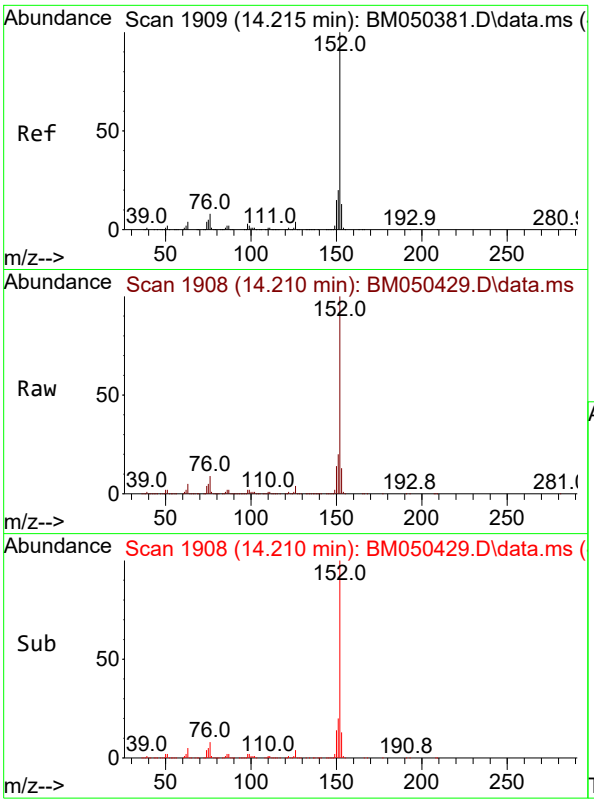




#48
2-Nitroaniline
Concen: 43.062 ng
RT: 13.557 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion: 65 Resp: 589561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 67.5 | 54.3 | 81.5 |
| 138 | 109.4 | 87.8 | 131.6 |



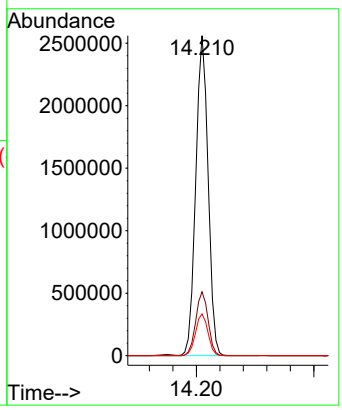


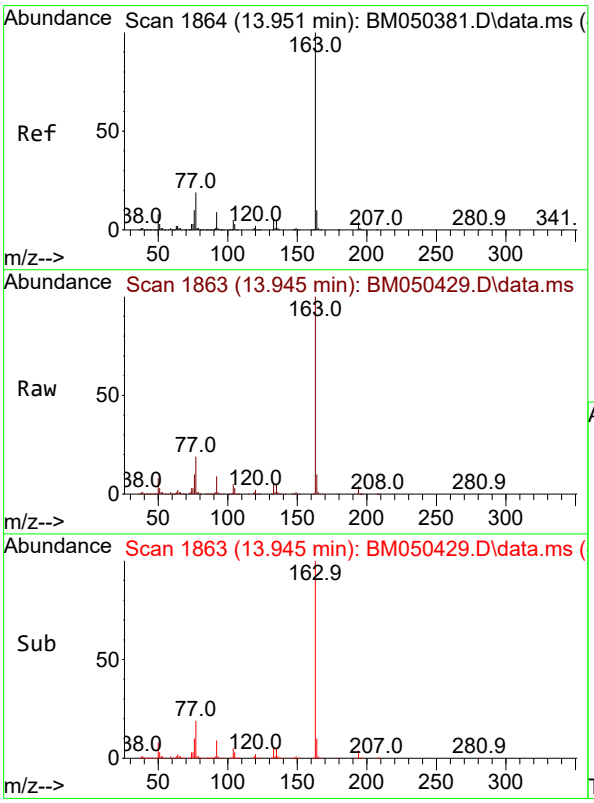

#49
Acenaphthylene
Concen: 40.151 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 3721946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 16.3 | 24.5 |
| 153 | 13.1 | 10.6 | 15.8 |

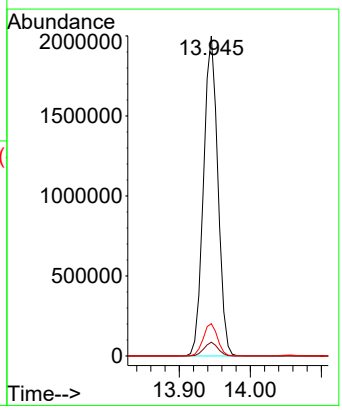


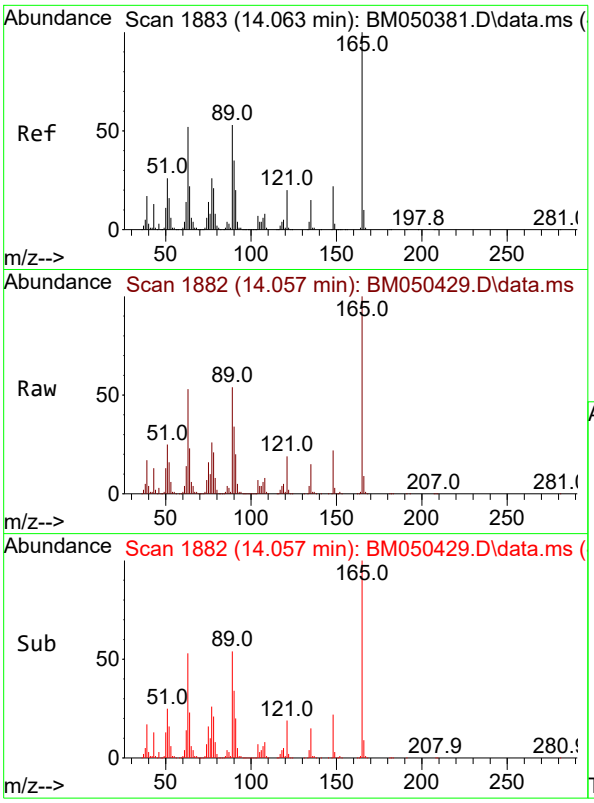




#50
Dimethylphthalate
Concen: 39.254 ng
RT: 13.945 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:163 Resp: 2802244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.2 |
| 164 | 10.1 | 8.2 | 12.2 |



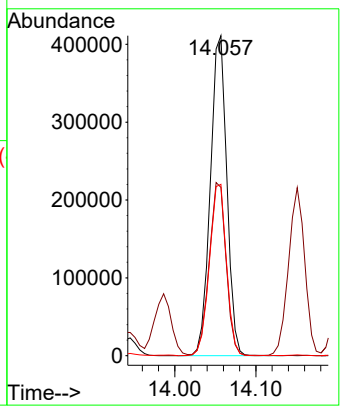


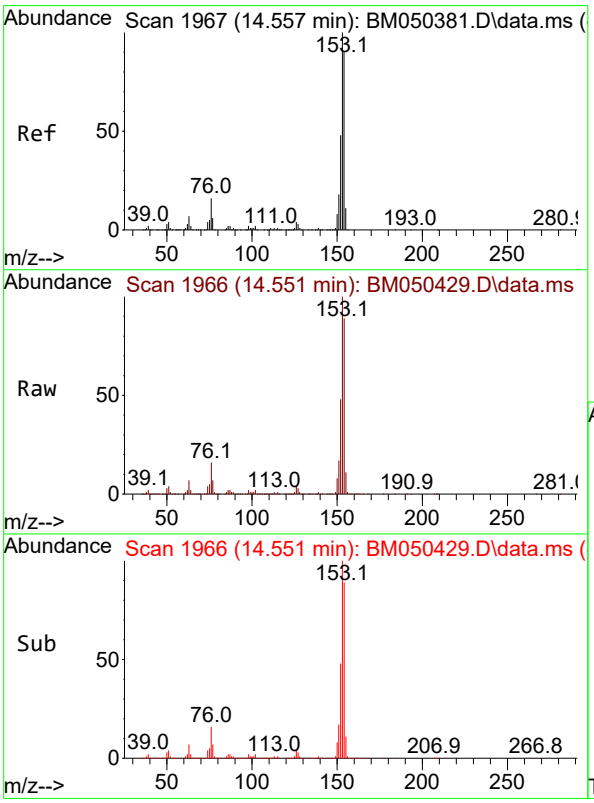

#51
2,6-Dinitrotoluene
Concen: 42.250 ng
RT: 14.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 579111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 52.6 | 42.4 | 63.6 |
| 89 | 53.5 | 42.2 | 63.2 |

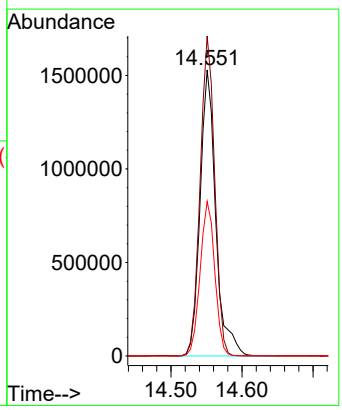


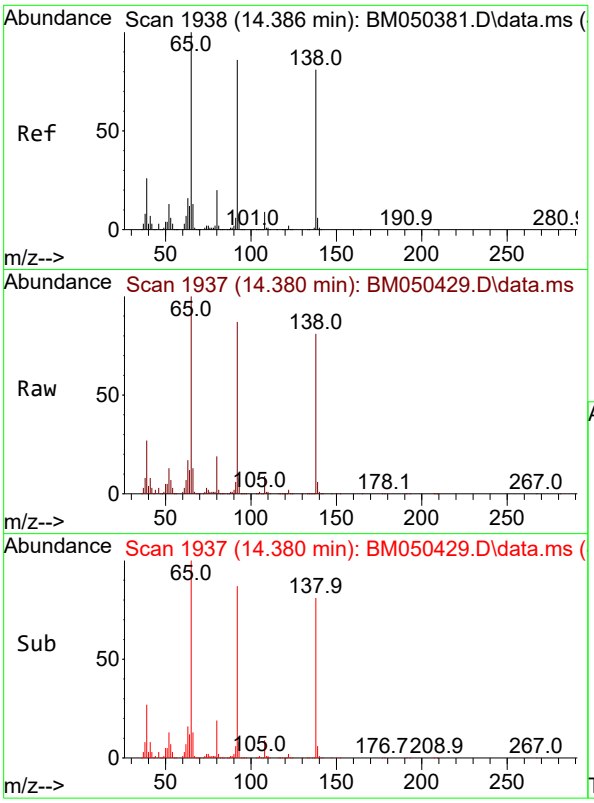




#52
Acenaphthene
Concen: 39.774 ng
RT: 14.551 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:154 Resp: 2344038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.9 | 89.2 | 133.8 |
| 152 | 54.0 | 42.6 | 64.0 |



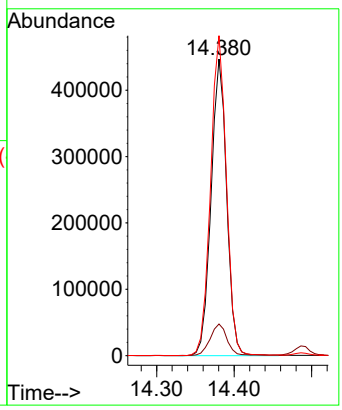


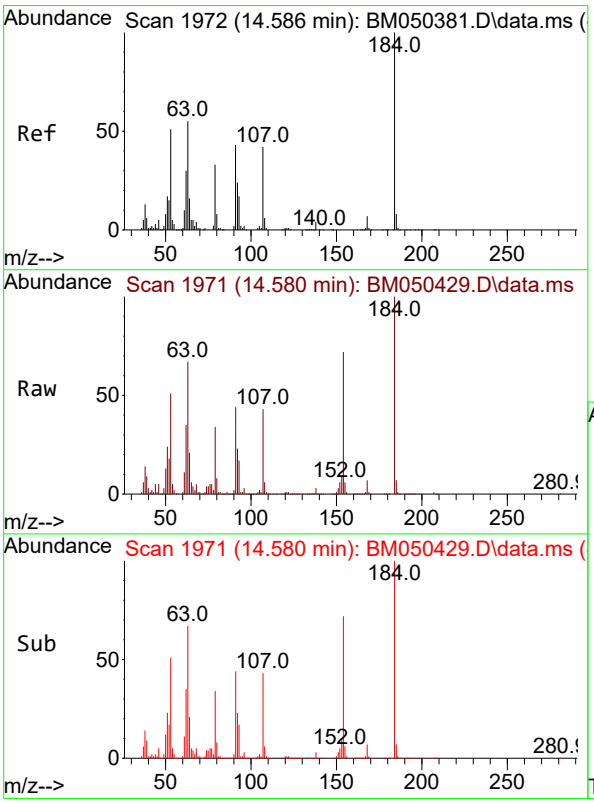

#53
3-Nitroaniline
Concen: 42.864 ng
RT: 14.380 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:138 Resp: 624821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.7 | 8.8 | 13.2 |
| 92 | 107.8 | 85.0 | 127.6 |

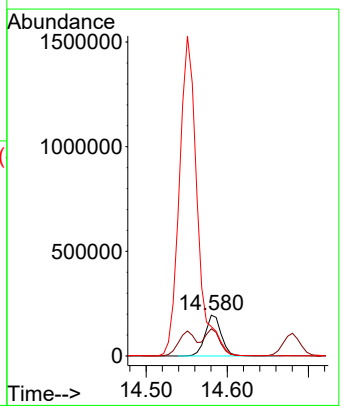


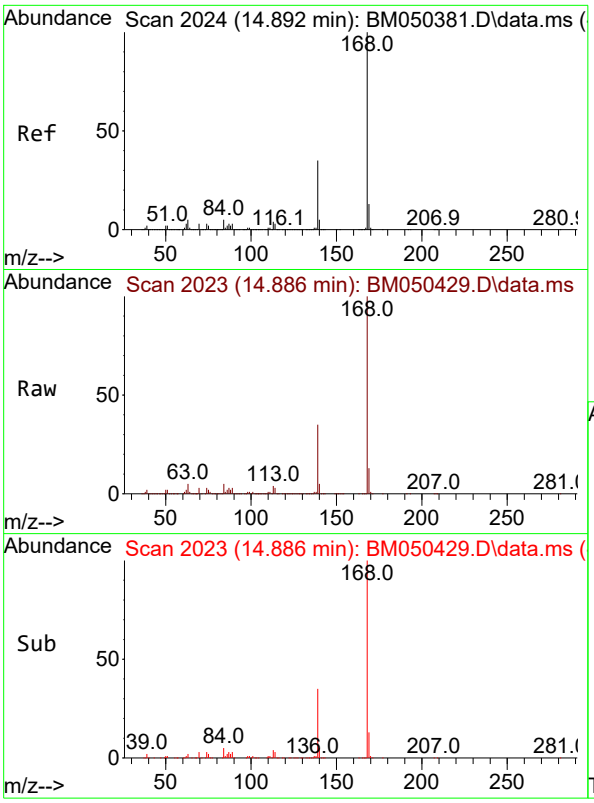




#54
2,4-Dinitrophenol
Concen: 38.955 ng
RT: 14.580 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:184 Resp: 267609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 66.8 | 53.4 | 80.0 |
| 154 | 71.6 | 61.6 | 92.4 |



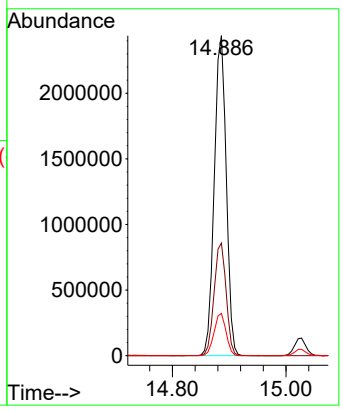


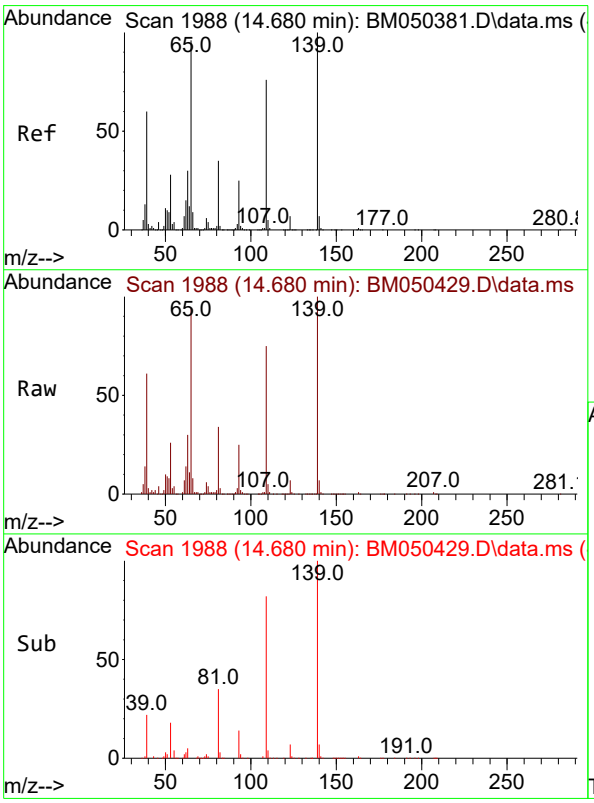

#55
Dibenzofuran
Concen: 39.114 ng
RT: 14.886 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:168 Resp: 3551782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 35.2 | 27.7 | 41.5 |
| 169 | 13.2 | 10.7 | 16.1 |

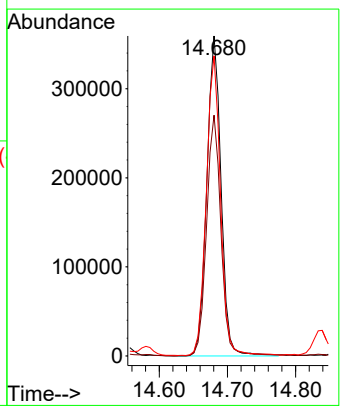


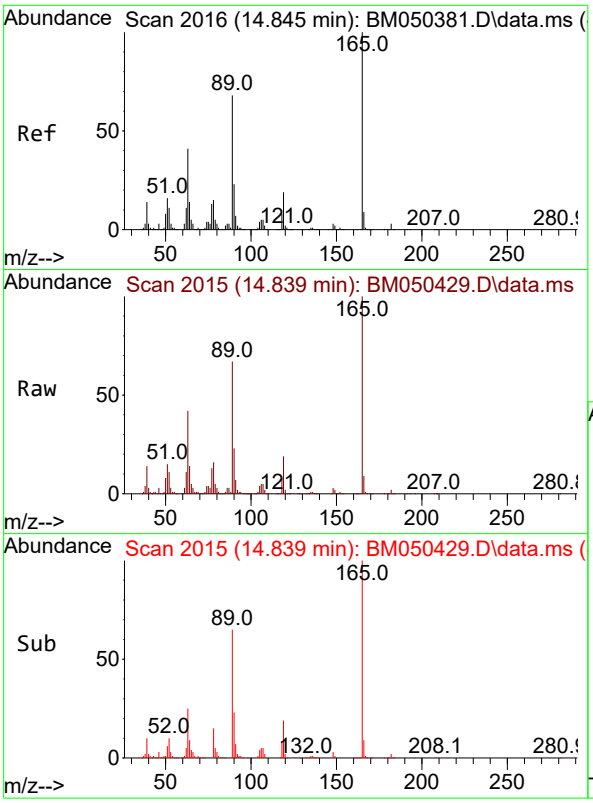




#56
4-Nitrophenol
Concen: 41.709 ng
RT: 14.680 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:139 Resp: 522847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 75.3 | 56.5 | 96.5 |
| 65 | 93.8 | 76.4 | 116.4 |



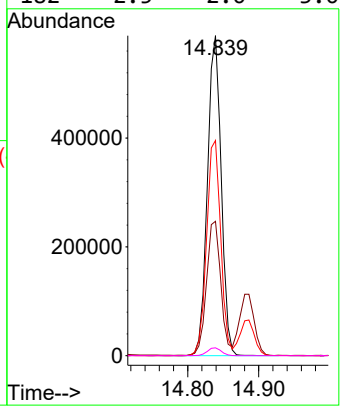


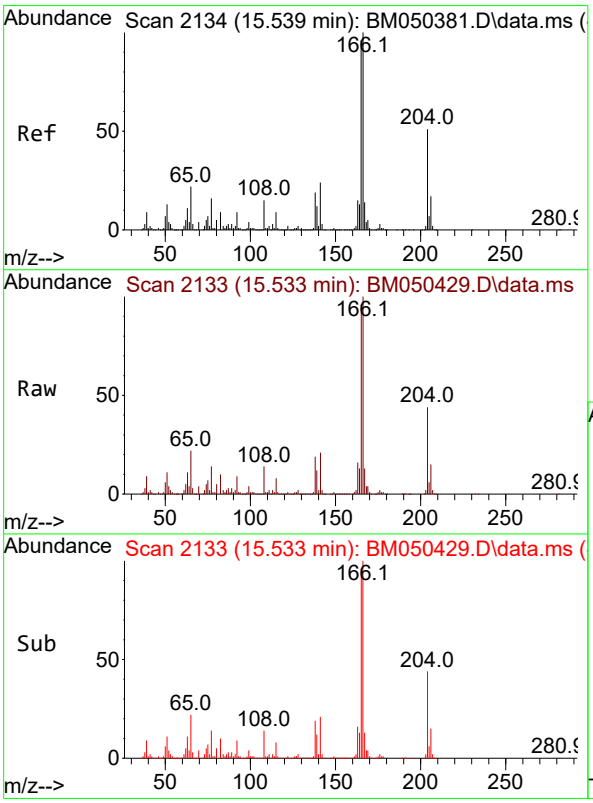

#57
2,4-Dinitrotoluene
Concen: 39.178 ng
RT: 14.839 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 792992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 42.0 | 32.5 | 48.7 |
| 89 | 67.2 | 54.0 | 81.0 |
| 182 | 2.5 | 2.0 | 3.0 |

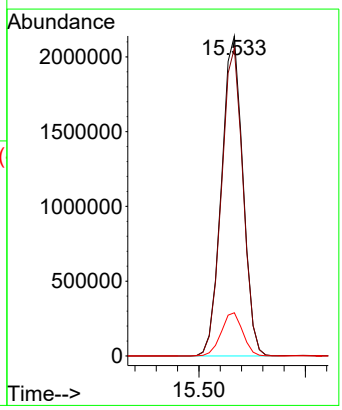


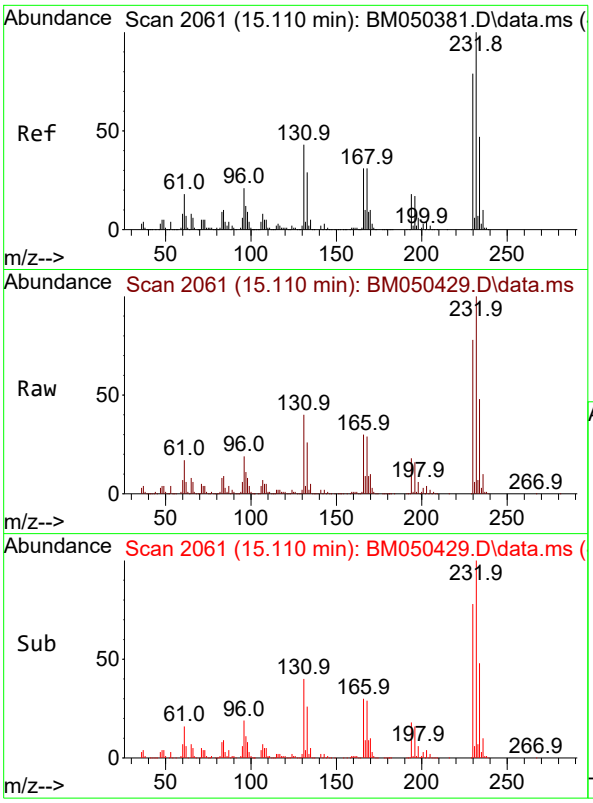




#58
Fluorene
Concen: 39.804 ng
RT: 15.533 min Scan# 2133
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:166 Resp: 2977081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.2 | 77.0 | 115.6 |
| 167 | 13.5 | 10.9 | 16.3 |



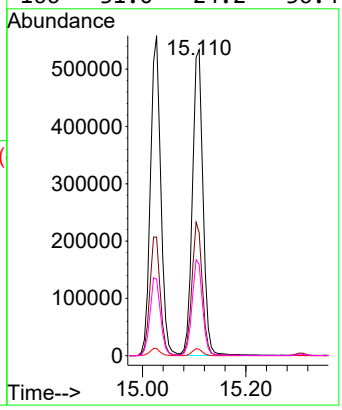


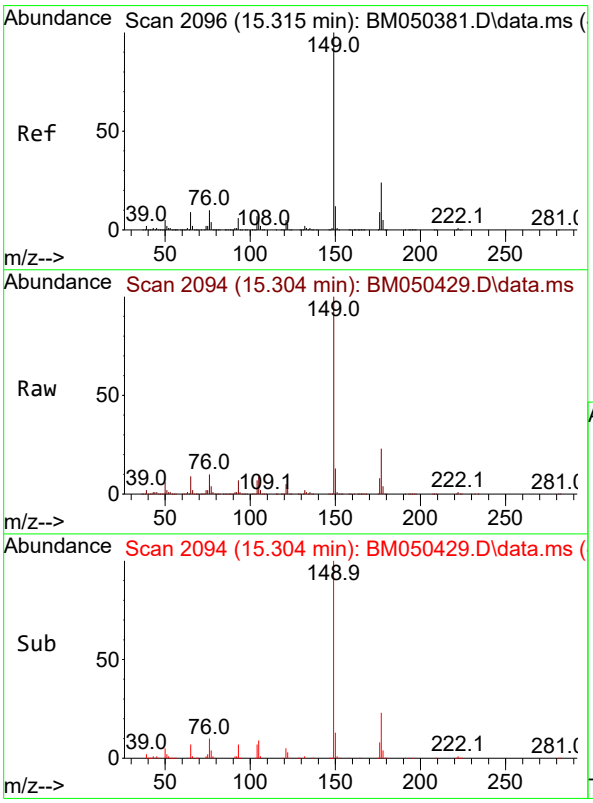

#59
2,3,4,6-Tetrachlorophenol
Concen: 40.793 ng
RT: 15.110 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:232 Resp: 761198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 42.9 | 33.4 | 50.0 |
| 130 | 2.2 | 1.8 | 2.6 |
| 166 | 31.0 | 24.2 | 36.4 |

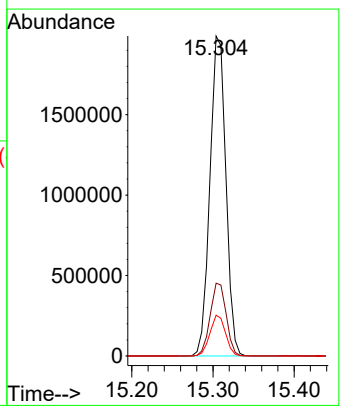


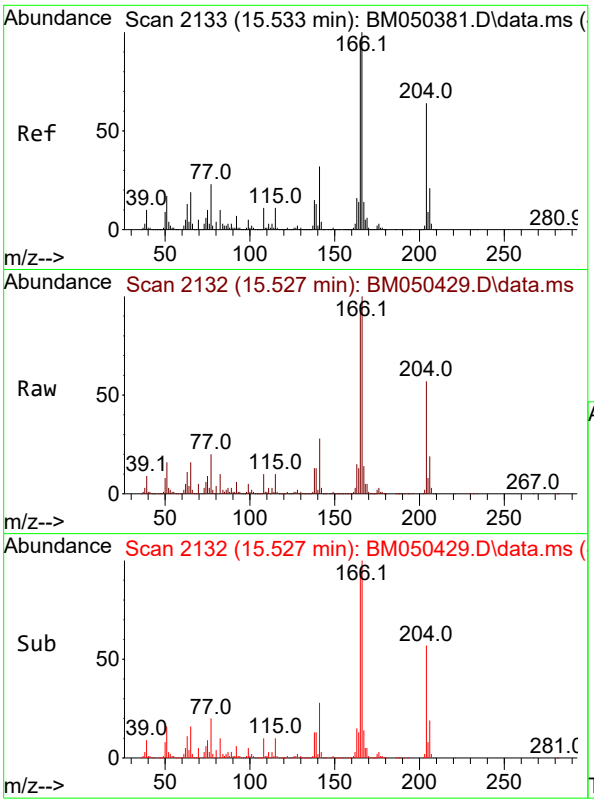




#60
Diethylphthalate
Concen: 39.771 ng
RT: 15.304 min Scan# 2094
Delta R.T. -0.012 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:149 Resp: 2712046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.8 | 18.8 | 28.2 |
| 150 | 12.8 | 9.8 | 14.8 |



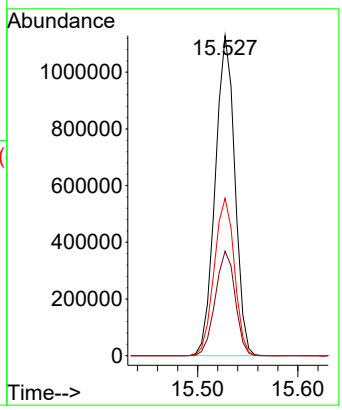


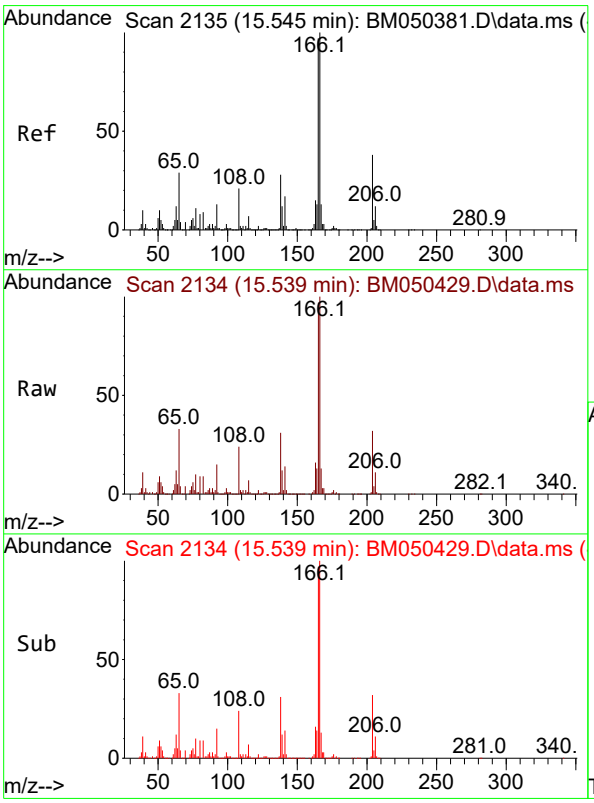

#61
4-Chlorophenyl-phenylether
Concen: 39.180 ng
RT: 15.527 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:204 Resp: 1532279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.6 | 26.6 | 39.8 |
| 141 | 49.2 | 39.9 | 59.9 |

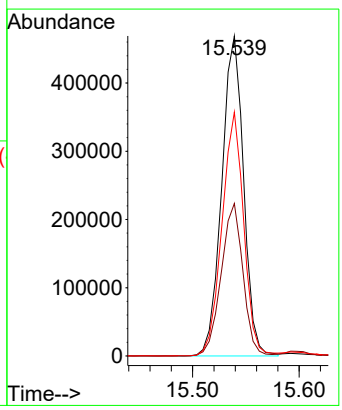


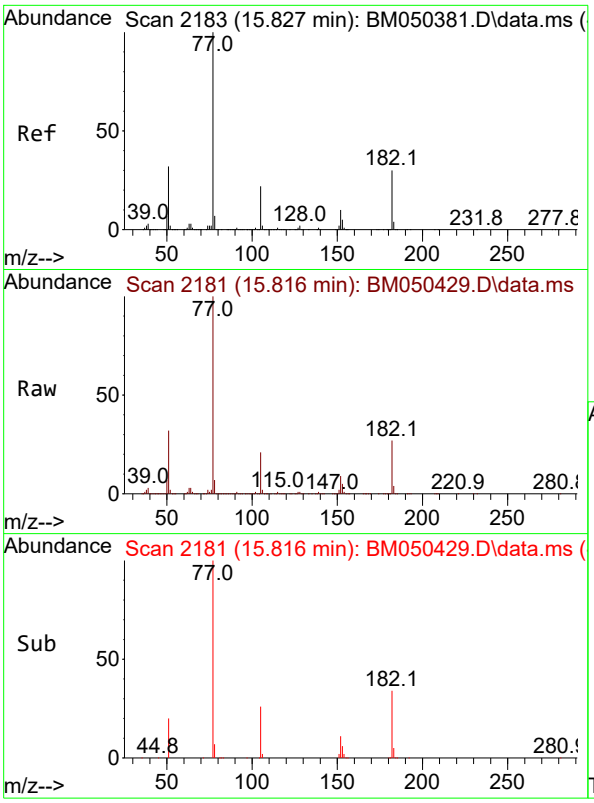




#62
4-Nitroaniline
Concen: 40.267 ng
RT: 15.539 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:138 Resp: 667412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 47.7 | 24.5 | 64.5 |
| 108 | 76.2 | 52.5 | 92.5 |



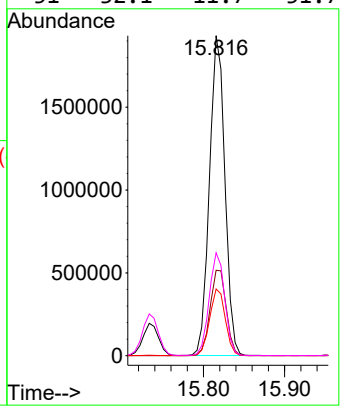


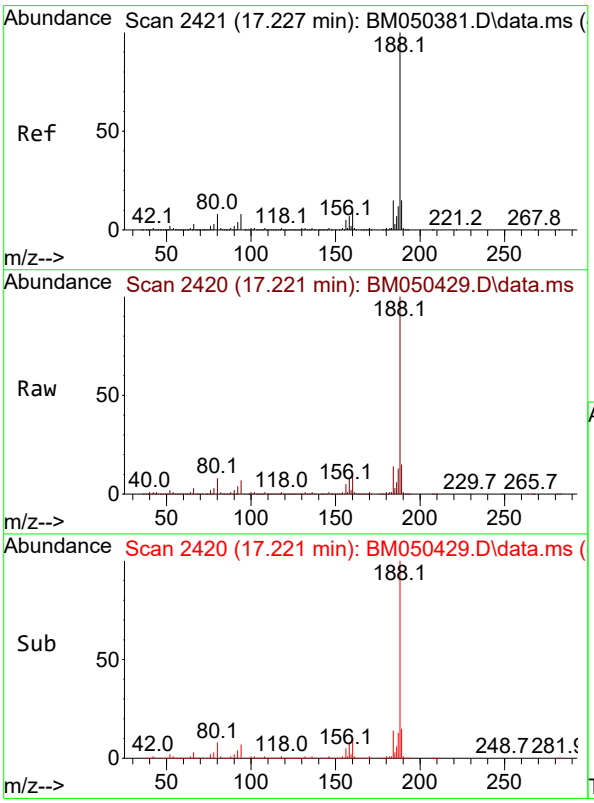

#63
Azobenzene
Concen: 40.674 ng
RT: 15.816 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 2546901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.7 | 10.0 | 50.0 |
| 105 | 20.9 | 2.0 | 42.0 |
| 51 | 32.1 | 11.7 | 51.7 |

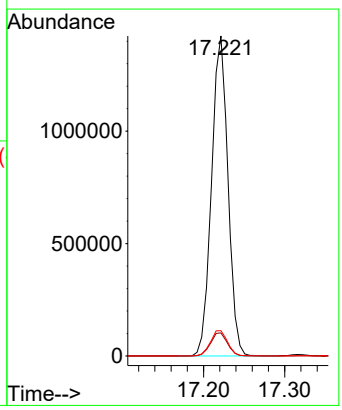


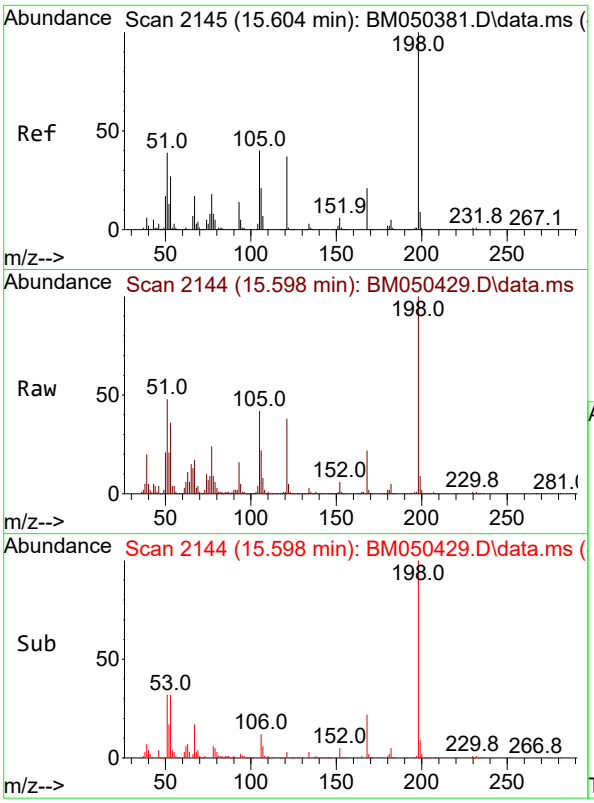




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:188 Resp: 1998802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.2 | 6.0 | 9.0 |
| 80 | 7.9 | 6.5 | 9.7 |



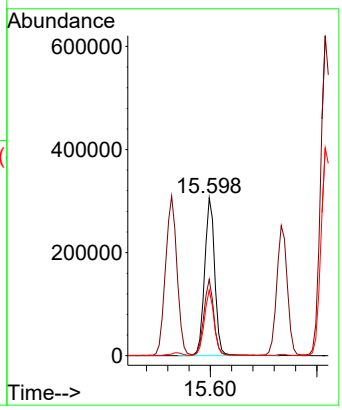


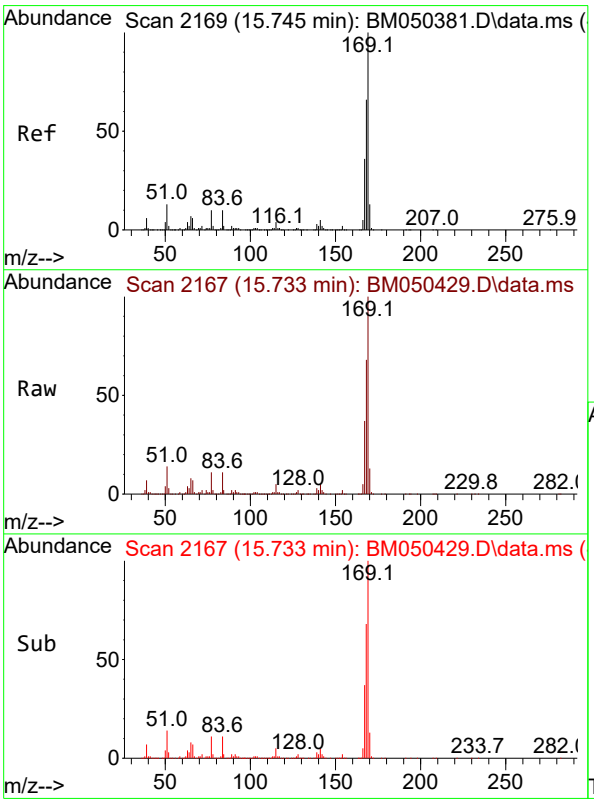

#65
4,6-Dinitro-2-methylphenol
Concen: 38.794 ng
RT: 15.598 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:198 Resp: 401999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 48.3 | 26.6 | 66.6 |
| 105 | 41.5 | 20.9 | 60.9 |

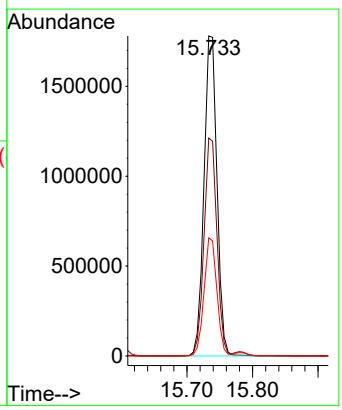


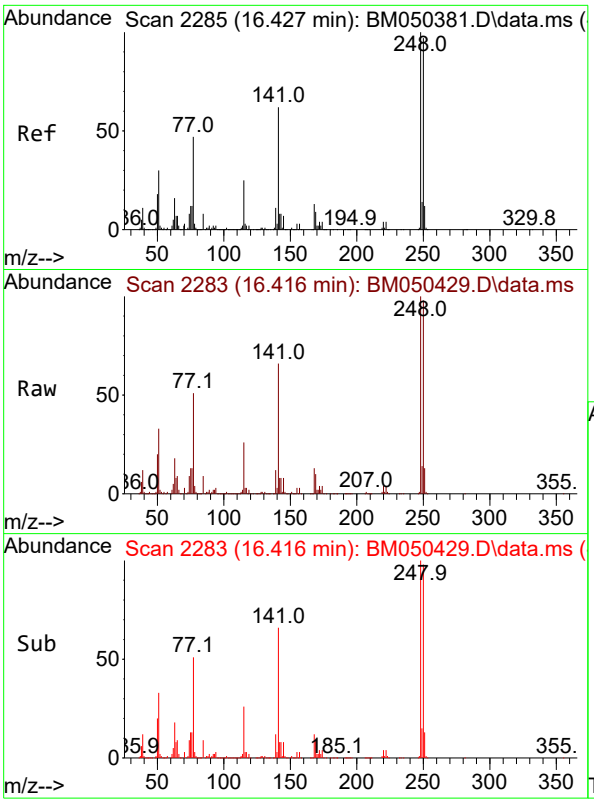




#66
n-Nitrosodiphenylamine
Concen: 39.314 ng
RT: 15.733 min Scan# 2167
Delta R.T. -0.012 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:169 Resp: 2458928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 68.1 | 53.2 | 79.8 |
| 167 | 36.9 | 28.7 | 43.1 |



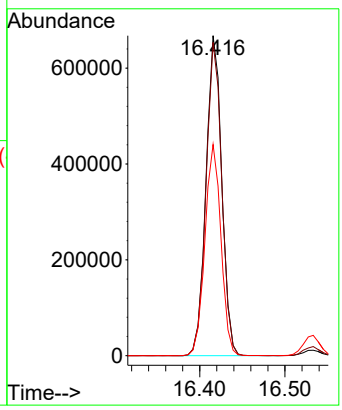


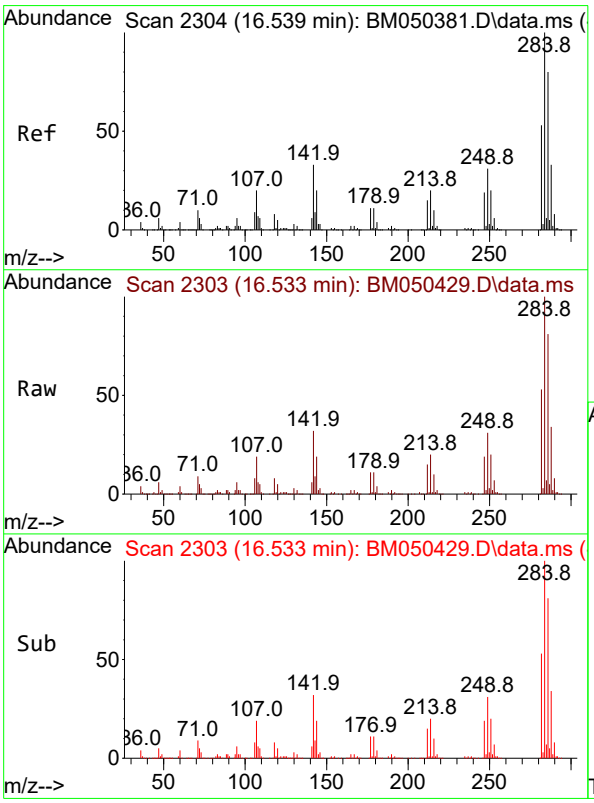

#67
4-Bromophenyl-phenylether
Concen: 39.033 ng
RT: 16.416 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:248 Resp: 859585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.9 | 77.9 | 116.9 |
| 141 | 66.0 | 49.7 | 74.5 |

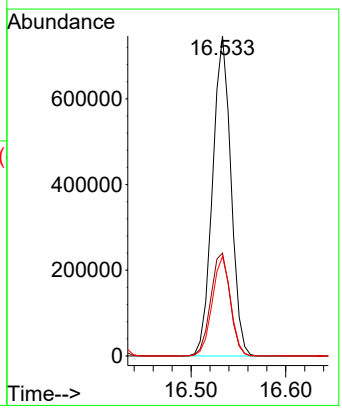


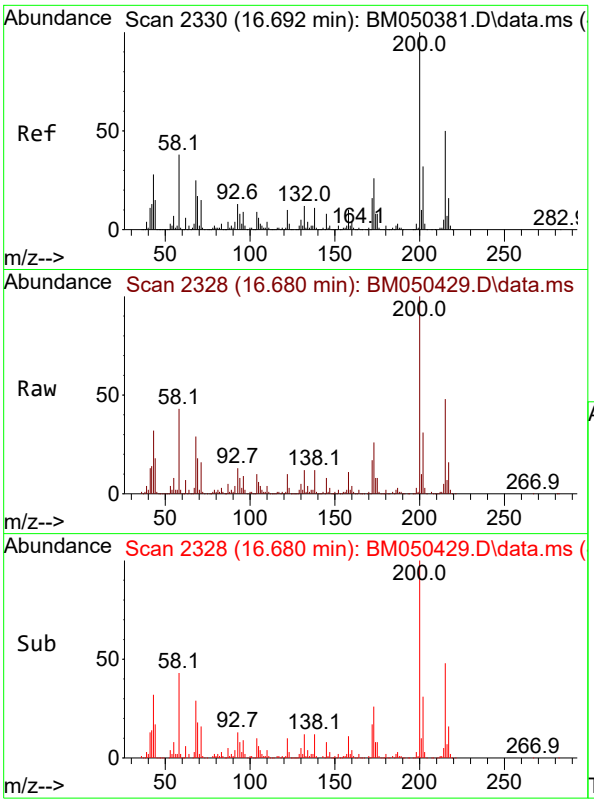




#68
Hexachlorobenzene
Concen: 38.647 ng
RT: 16.533 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:284 Resp: 1005198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.2 | 26.8 | 40.2 |
| 249 | 31.1 | 24.5 | 36.7 |



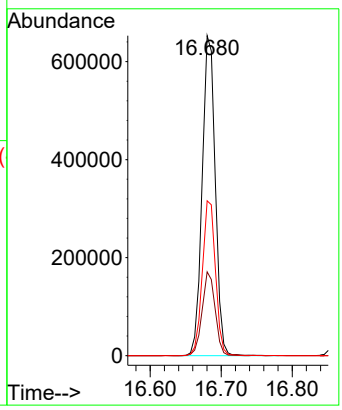


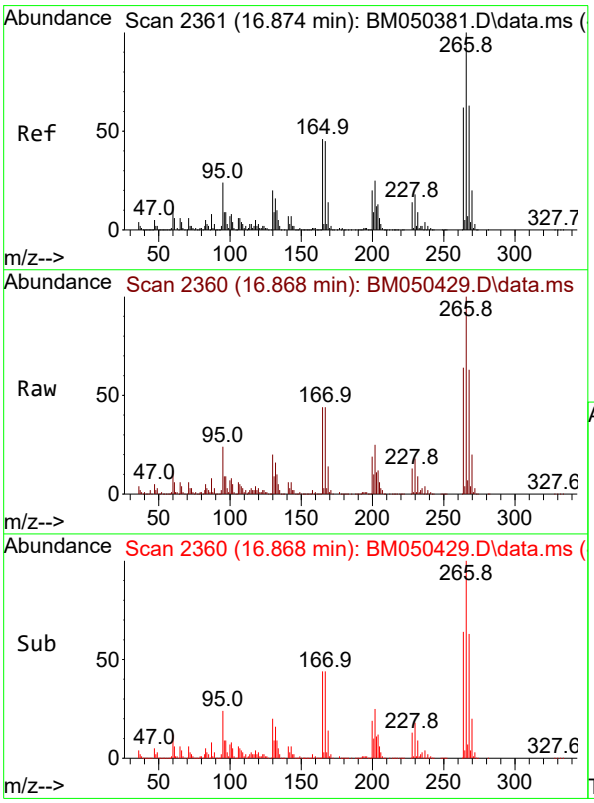

#69
Atrazine
Concen: 40.910 ng
RT: 16.680 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:200 Resp: 840199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.2 | 5.6 | 45.6 |
| 215 | 48.4 | 29.6 | 69.6 |

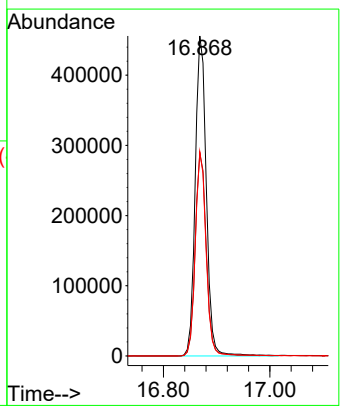


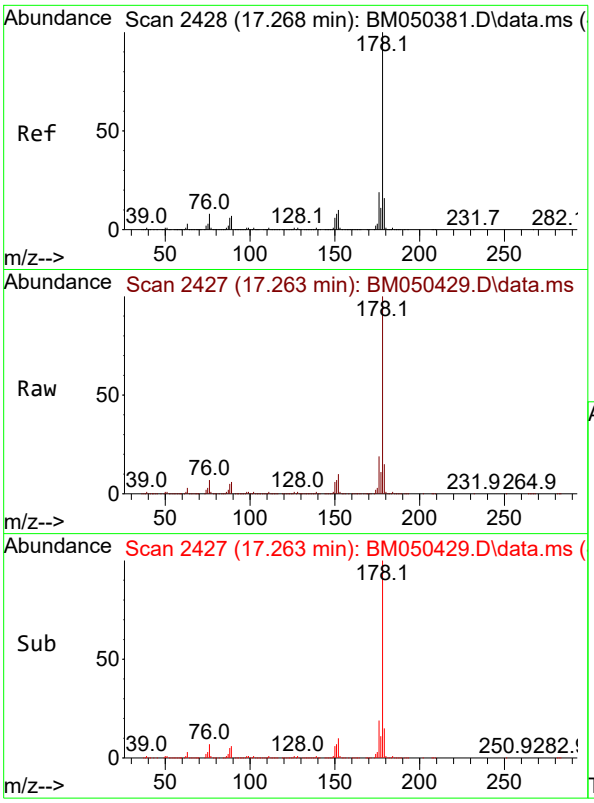




#70
Pentachlorophenol
Concen: 40.653 ng
RT: 16.868 min Scan# 2360
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:266 Resp: 658229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.3 | 50.5 | 75.7 |
| 264 | 63.8 | 49.9 | 74.9 |



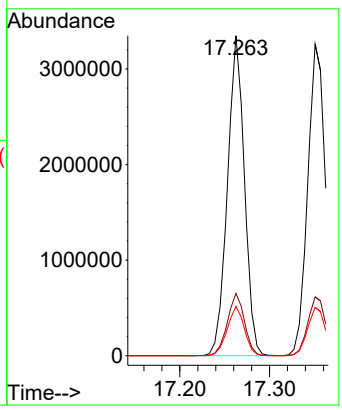


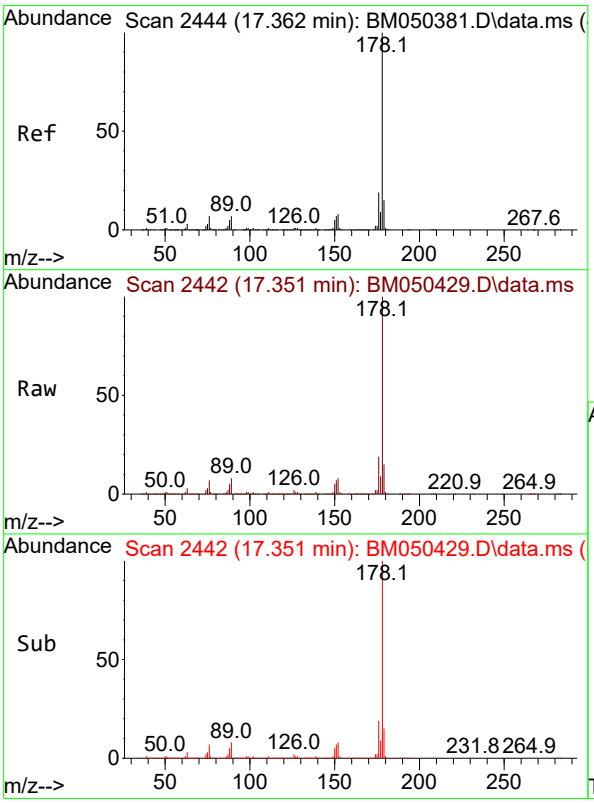

#71
Phenanthrene
Concen: 38.896 ng
RT: 17.263 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:178 Resp: 4399238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.4 | 23.0 |
| 179 | 15.4 | 12.5 | 18.7 |

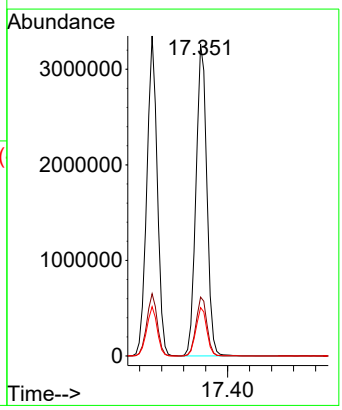


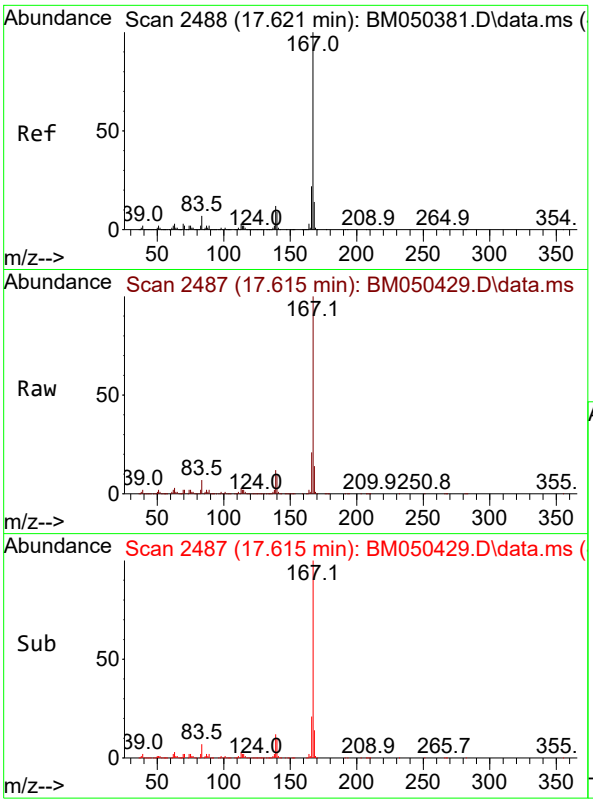




#72
Anthracene
Concen: 39.846 ng
RT: 17.351 min Scan# 2442
Delta R.T. -0.012 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:178 Resp: 4486017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 14.9 | 22.3 |
| 179 | 15.5 | 12.2 | 18.4 |



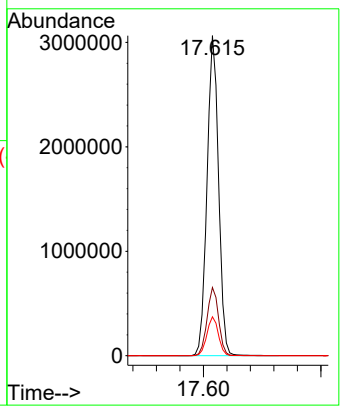


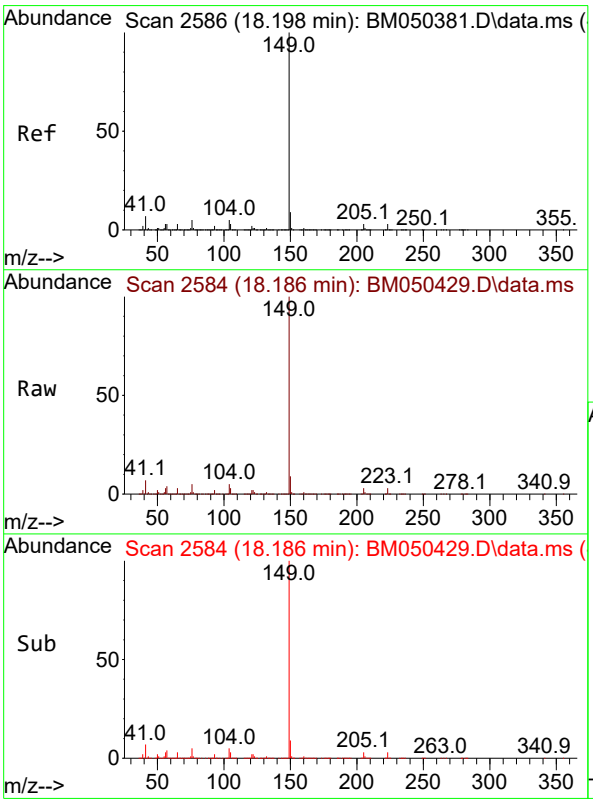

#73
Carbazole
Concen: 40.769 ng
RT: 17.615 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:167 Resp: 4153041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.3 | 17.2 | 25.8 |
| 139 | 12.1 | 9.9 | 14.9 |

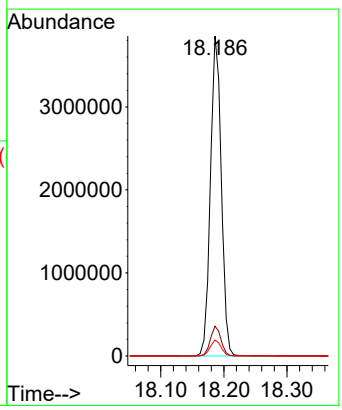


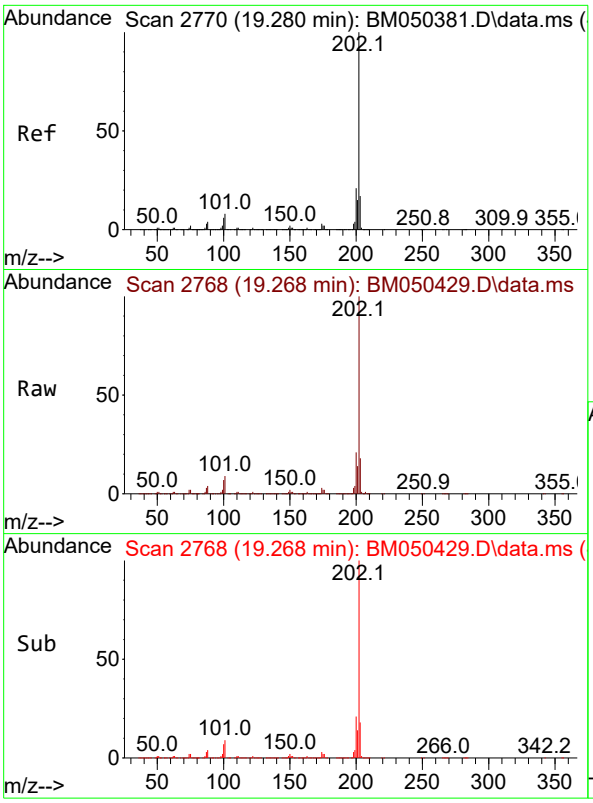




#74
Di-n-butylphthalate
Concen: 41.275 ng
RT: 18.186 min Scan# 2584
Delta R.T. -0.012 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:149 Resp: 4602132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.3 | 10.9 |
| 104 | 5.0 | 3.9 | 5.9 |



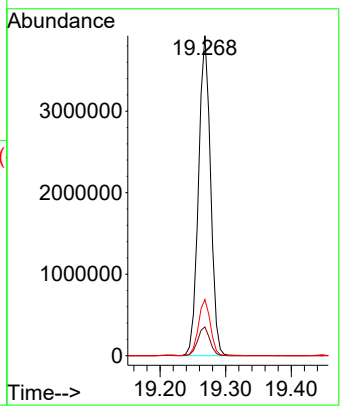


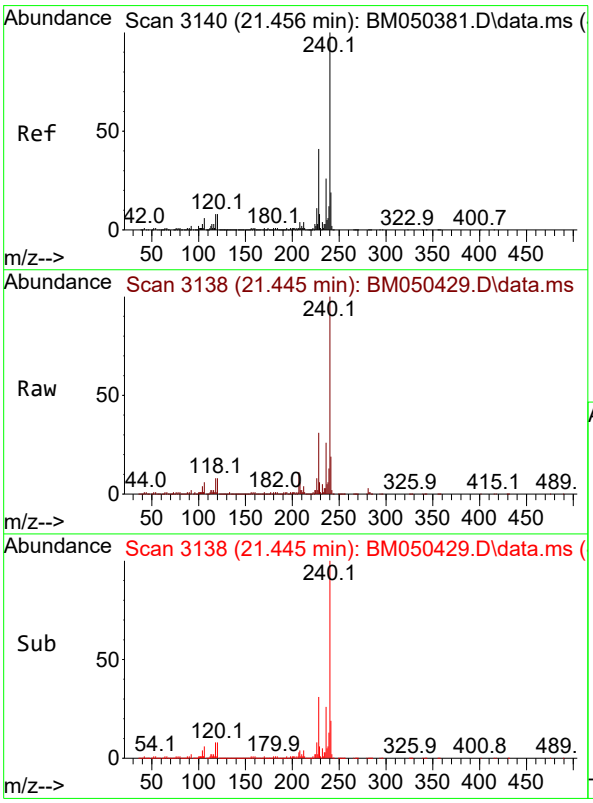

#75
Fluoranthene
Concen: 40.753 ng
RT: 19.268 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:202 Resp: 5010785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.0 | 0.0 | 28.3 |
| 203 | 17.5 | 0.0 | 37.2 |

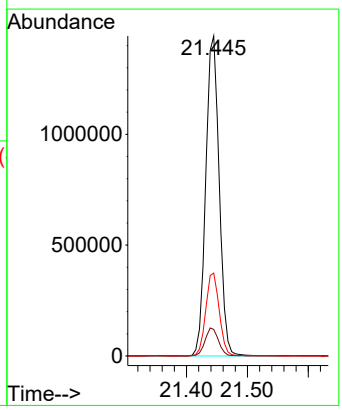


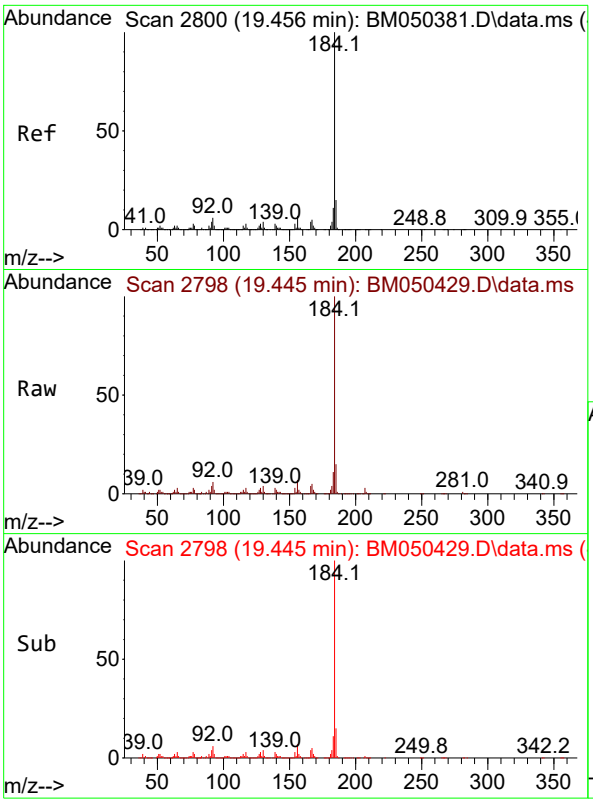




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3138
Delta R.T. -0.012 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:240 Resp: 2212244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.3 | 6.7 | 10.1 |
| 236 | 25.9 | 20.7 | 31.1 |



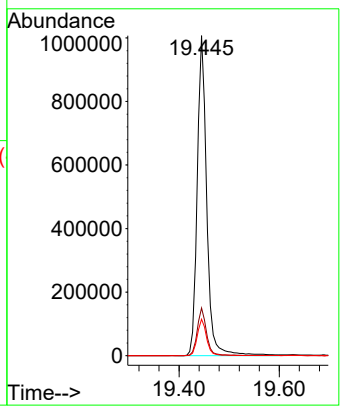


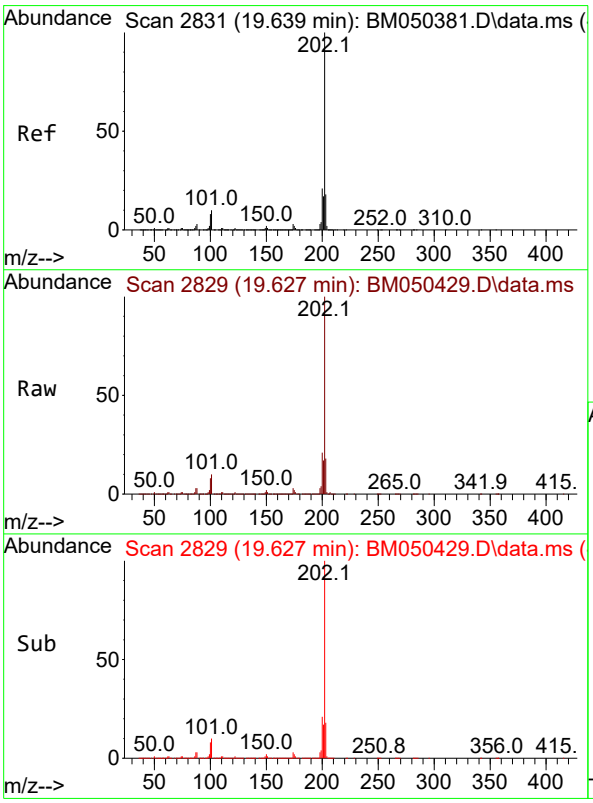

#77
Benzidine
Concen: 23.465 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:184 Resp: 1324060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.9 | 11.7 | 17.5 |
| 183 | 11.4 | 9.0 | 13.6 |

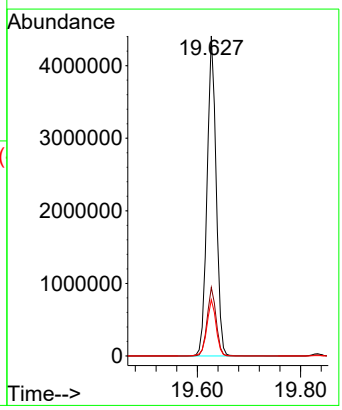


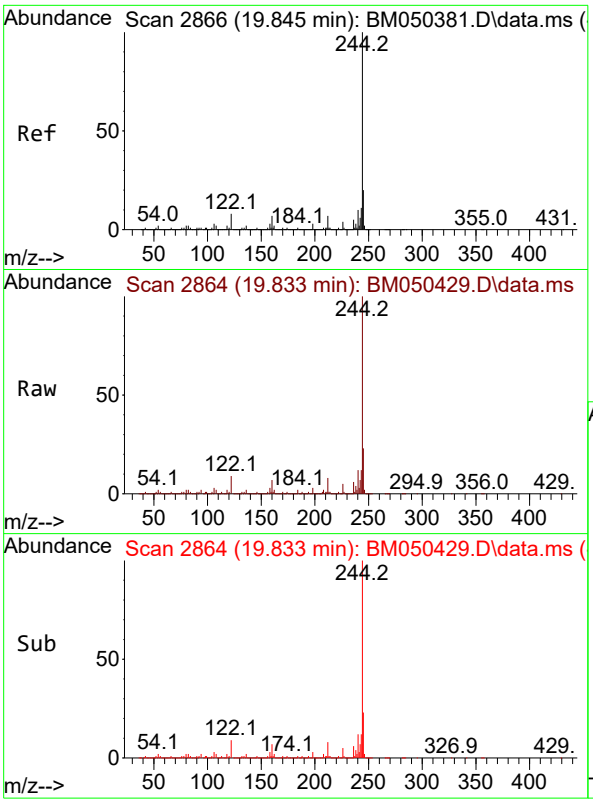




#78
Pyrene
Concen: 37.888 ng
RT: 19.627 min Scan# 2829
Delta R.T. -0.012 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:202 Resp: 5368083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.4 | 16.9 | 25.3 |
| 203 | 17.5 | 14.1 | 21.1 |



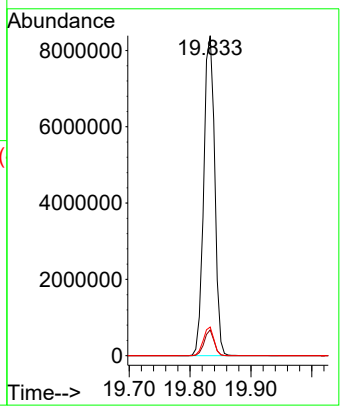


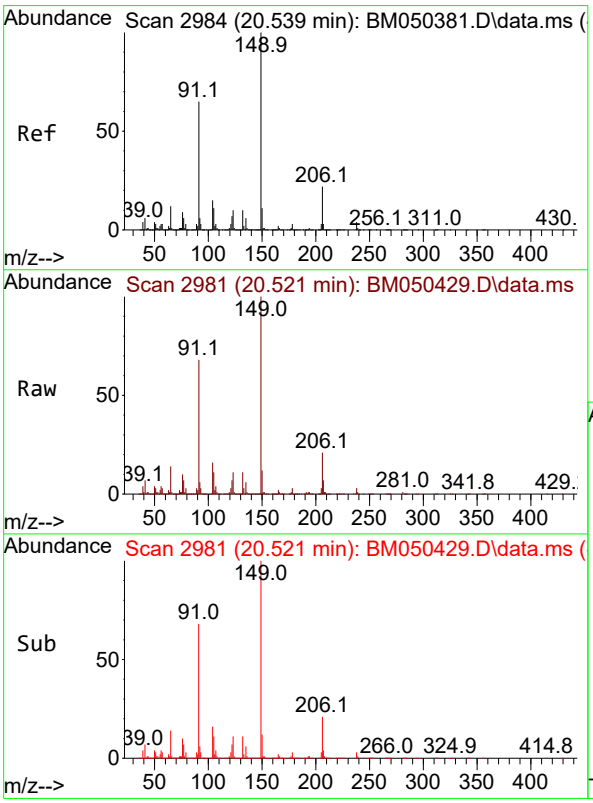

#79
Terphenyl-d14
Concen: 83.219 ng
RT: 19.833 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:244 Resp:10463512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.1 | 5.7 | 8.5 |
| 122 | 8.9 | 6.2 | 9.2 |

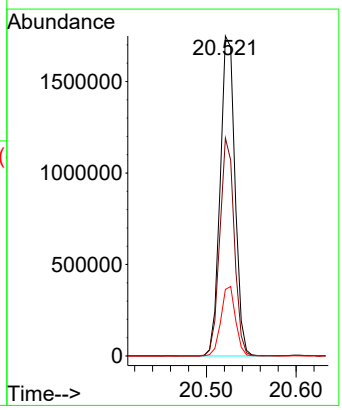


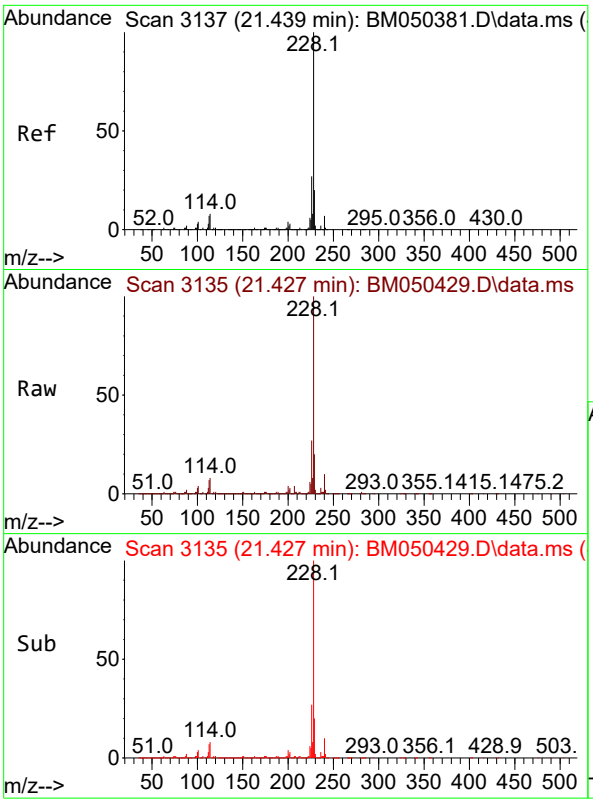




#80
Butylbenzylphthalate
Concen: 42.873 ng
RT: 20.521 min Scan# 2981
Delta R.T. -0.017 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:149 Resp: 2002932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 68.1 | 51.6 | 77.4 |
| 206 | 20.8 | 17.8 | 26.8 |



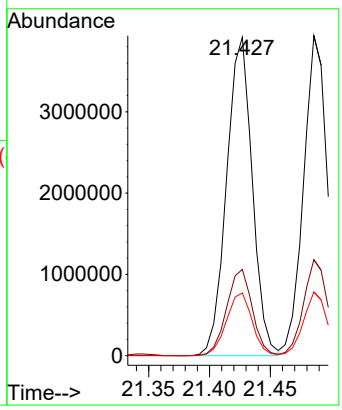


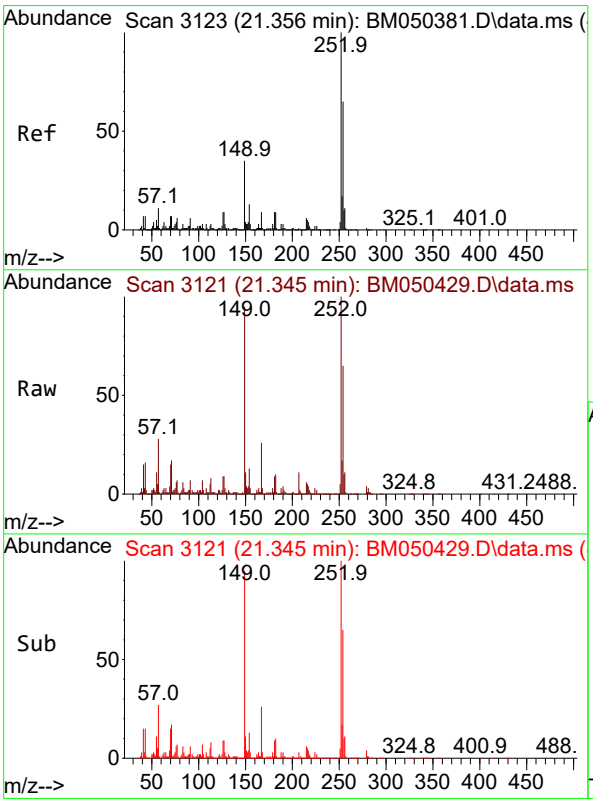

#81
Benzo(a)anthracene
Concen: 39.905 ng
RT: 21.427 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 5752101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.1 | 21.8 | 32.8 |
| 229 | 19.7 | 16.0 | 24.0 |

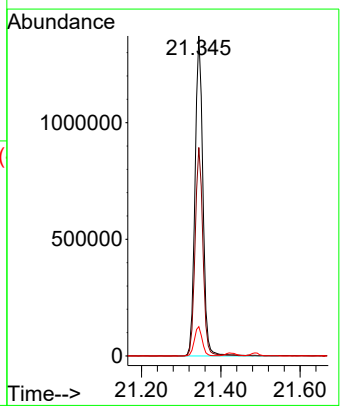


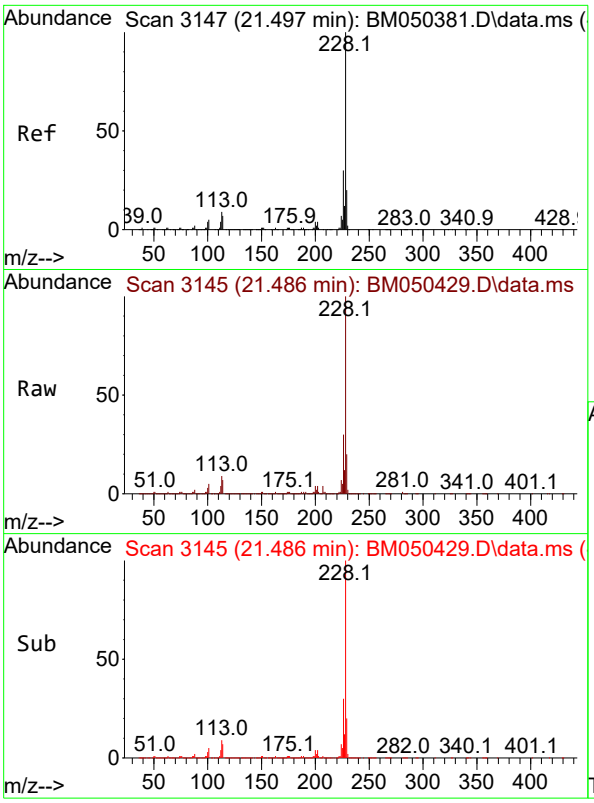




#82
3,3'-Dichlorobenzidine
Concen: 38.750 ng
RT: 21.345 min Scan# 3121
Delta R.T. -0.012 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:252 Resp: 1883647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.2 | 51.7 | 77.5 |
| 126 | 9.1 | 7.3 | 10.9 |



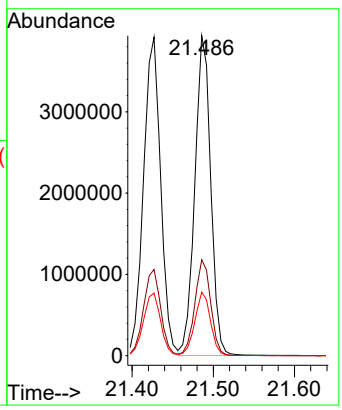


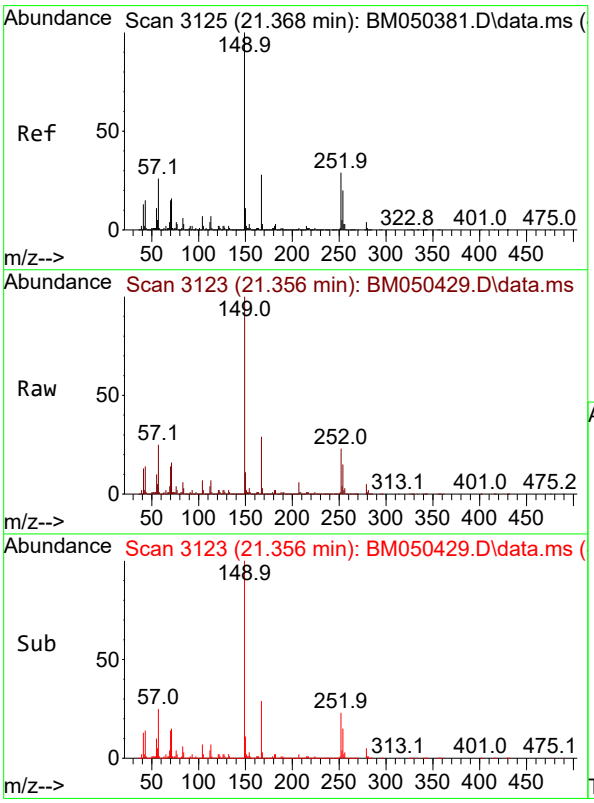

#83
Chrysene
Concen: 39.487 ng
RT: 21.486 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 5368548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.0 | 24.2 | 36.4 |
| 229 | 19.9 | 15.8 | 23.6 |

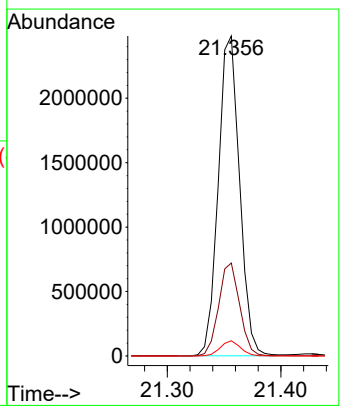


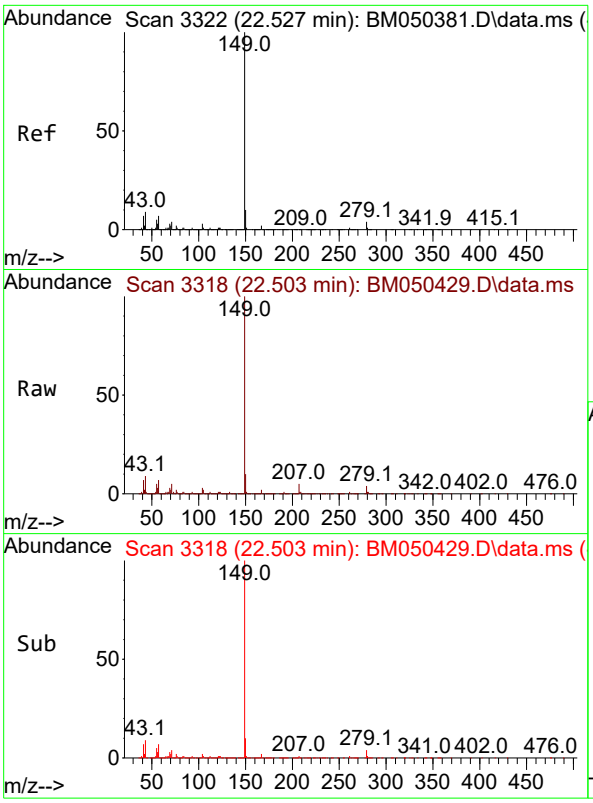




#84
Bis(2-ethylhexyl)phthalate
Concen: 43.607 ng
RT: 21.356 min Scan# 3123
Delta R.T. -0.012 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:149 Resp: 3234021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 29.0 | 22.7 | 34.1 |
| 279 | 4.8 | 3.5 | 5.3 |



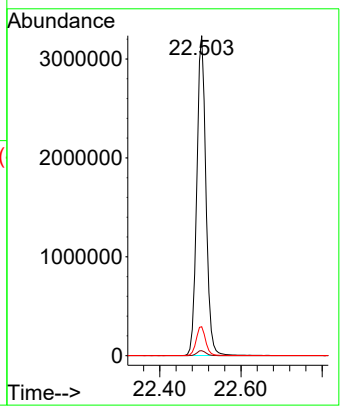


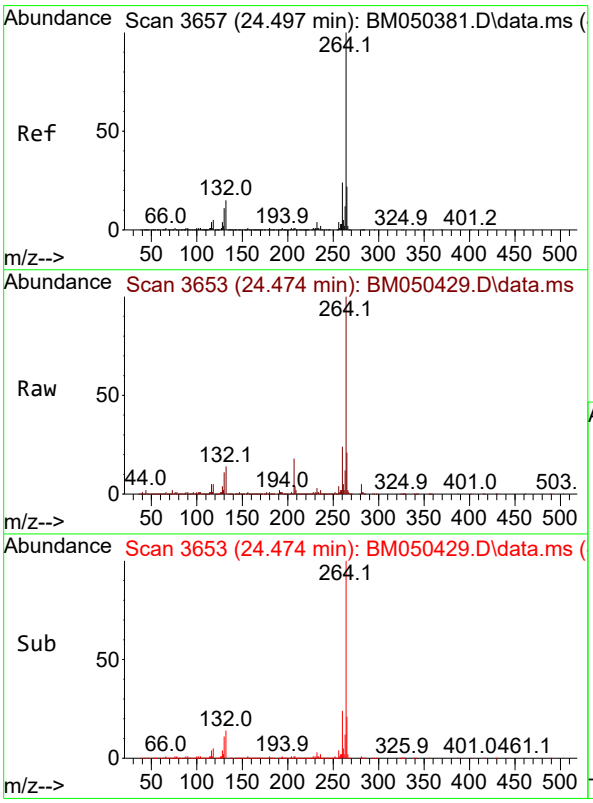

#85
Di-n-octyl phthalate
Concen: 43.719 ng
RT: 22.503 min Scan# 3
Delta R.T. -0.023 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:149 Resp: 5078142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.4 | 7.7 | 11.5 |

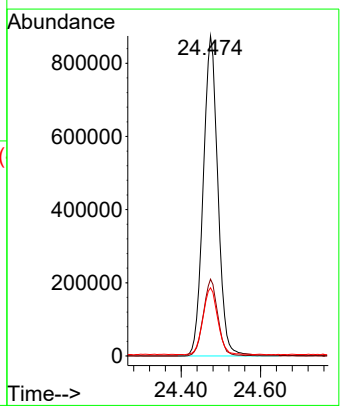


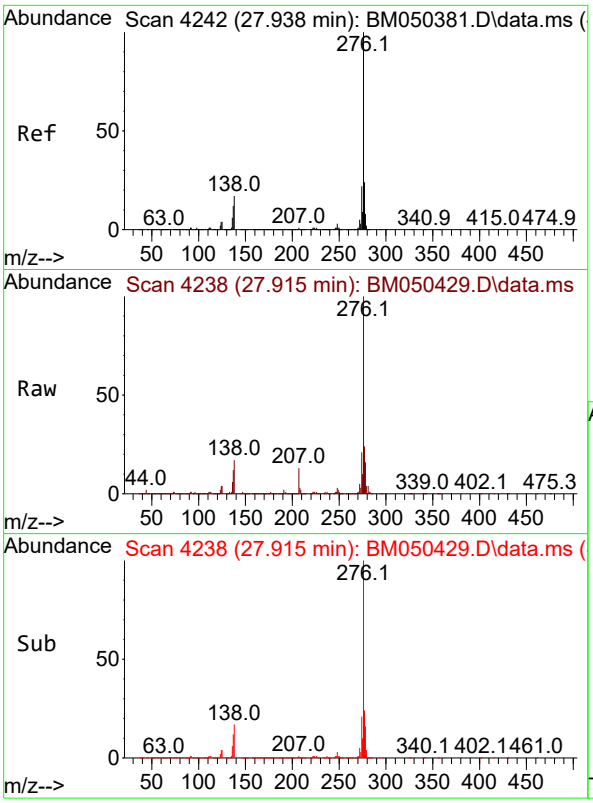




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.474 min Scan# 3653
Delta R.T. -0.023 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:264 Resp: 2243965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.0 | 19.2 | 28.8 |
| 265 | 21.3 | 17.8 | 26.6 |



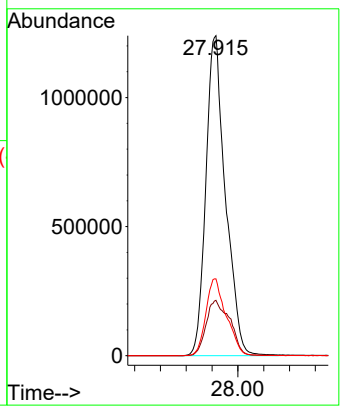


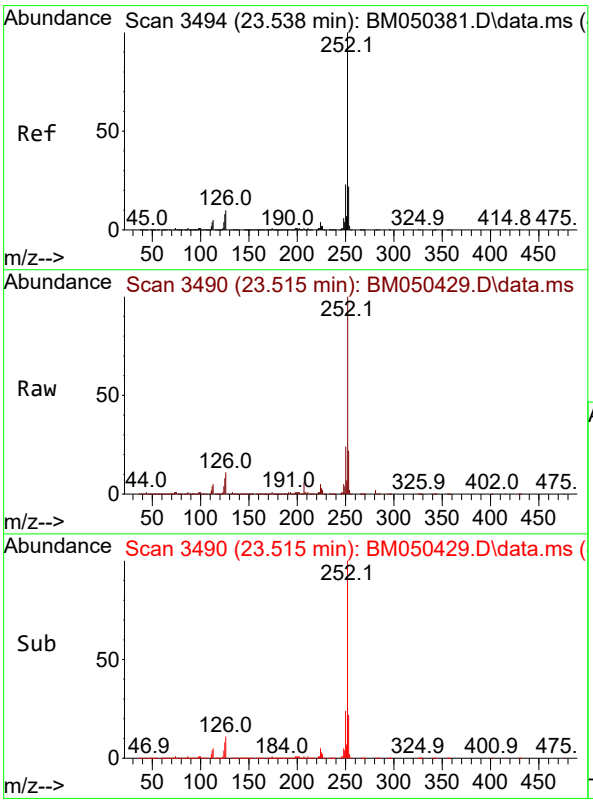

#87
Indeno(1,2,3-cd)pyrene
Concen: 40.924 ng
RT: 27.915 min Scan# 4
Delta R.T. -0.023 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:276 Resp: 6529221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.1 | 17.0 | 25.6 |
| 277 | 25.1 | 20.0 | 30.0 |

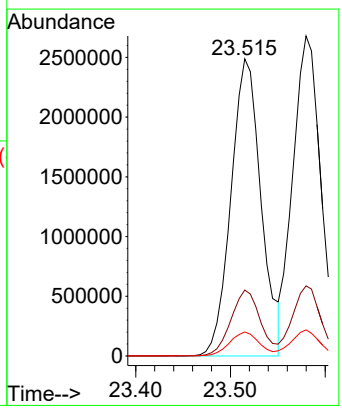


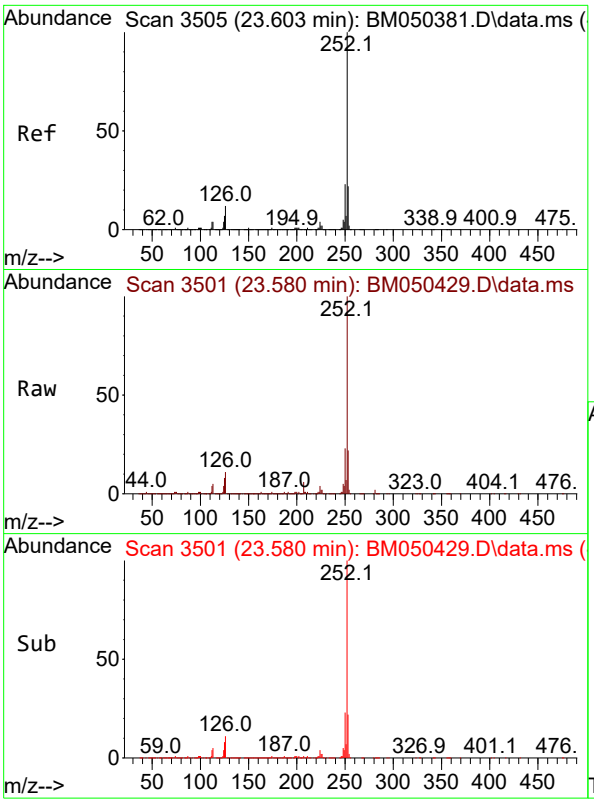




#88
Benzo(b)fluoranthene
Concen: 39.820 ng
RT: 23.515 min Scan# 3490
Delta R.T. -0.023 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:252 Resp: 5496193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.8 | 26.6 |
| 125 | 8.1 | 6.3 | 9.5 |



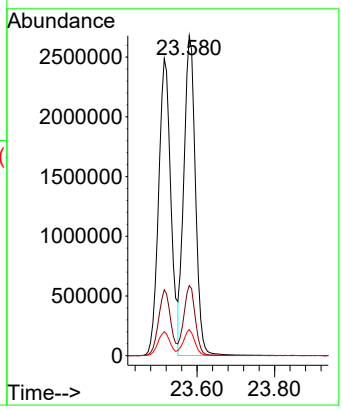


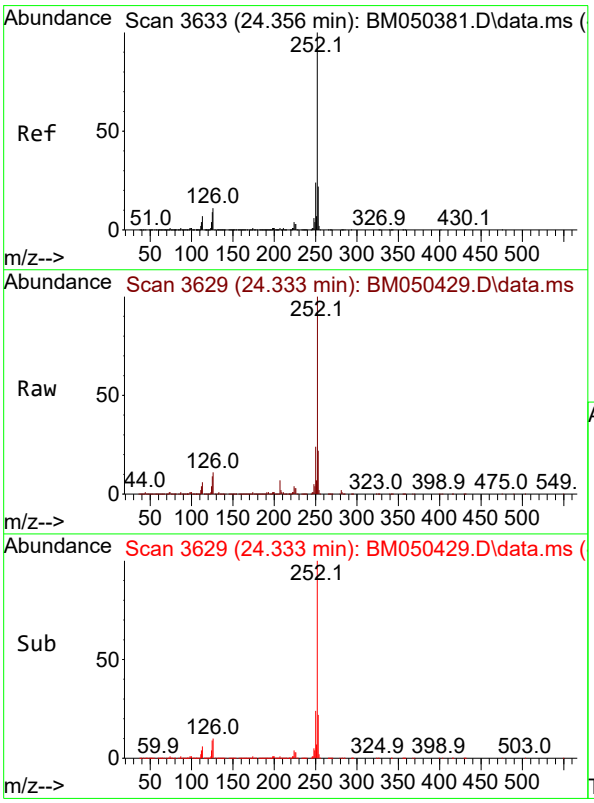

#89
Benzo(k)fluoranthene
Concen: 38.728 ng
RT: 23.580 min Scan# 3
Delta R.T. -0.023 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:252 Resp: 5546638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.6 | 26.4 |
| 125 | 8.2 | 6.2 | 9.2 |

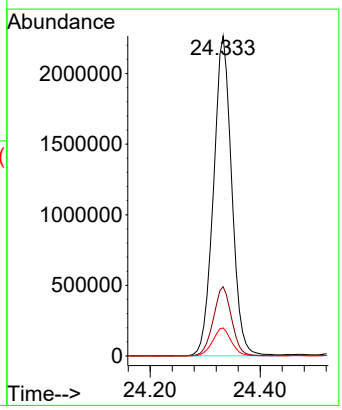


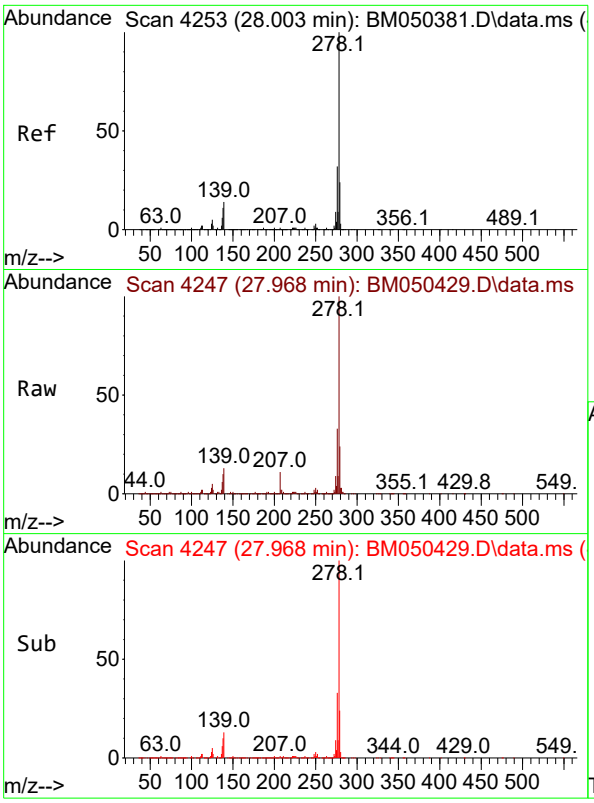




#90
Benzo(a)pyrene
Concen: 40.414 ng
RT: 24.333 min Scan# 3629
Delta R.T. -0.023 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:252 Resp: 5221766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.8 | 26.6 |
| 125 | 8.7 | 7.0 | 10.4 |



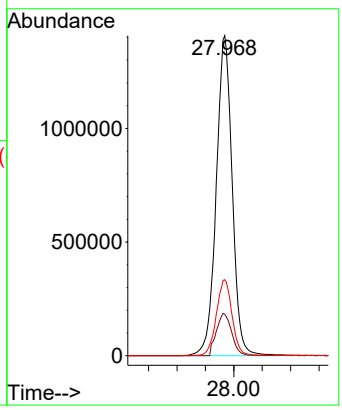


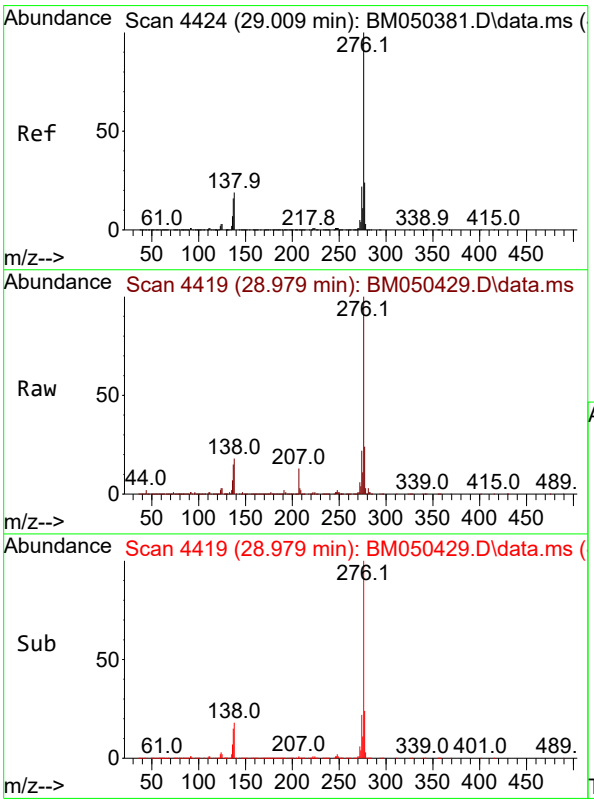

#91
Dibenzo(a,h)anthracene
Concen: 40.853 ng
RT: 27.968 min Scan# 4
Delta R.T. -0.035 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:278 Resp: 5489209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.0 | 10.8 | 16.2 |
| 279 | 23.8 | 19.4 | 29.0 |

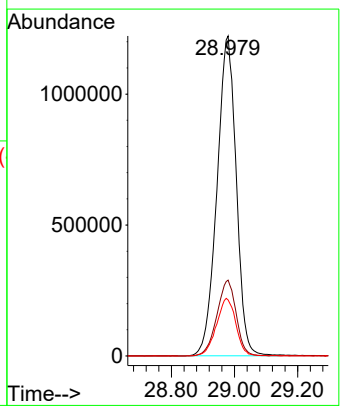



#92
Benzo(g,h,i)perylene
Concen: 40.712 ng
RT: 28.979 min Scan# 4419
Delta R.T. -0.029 min
Lab File: BM050429.D
Acq: 14 Jul 2025 16:53

Tgt Ion:276 Resp: 5170029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 19.1 | 28.7 |
| 138 | 17.5 | 14.9 | 22.3 |



Sample Results: **BM050429.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
Data File : BM050429.D
Acq On : 14 Jul 2025 16:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 14 17:29:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 110 | 0.00 |
| 2 | | 1,4-Dioxane | 0.478 | 0.462 | 3.3 | 110 | 0.00 |
| 3 | | Pyridine | 1.254 | 1.252 | 0.2 | 112 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.585 | 0.595 | -1.7 | 114 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.162 | 1.168 | -0.5 | 111 | 0.00 |
| 6 | | Aniline | 1.880 | 1.891 | -0.6 | 110 | 0.00 |
| 7 | S | Phenol-d6 | 1.465 | 1.509 | -3.0 | 113 | 0.00 |
| 8 | | 2-Chlorophenol | 1.225 | 1.227 | -0.2 | 110 | 0.00 |
| 9 | | Benzaldehyde | 0.871 | 0.978 | -12.3 | 119 | 0.00 |
| 10 | C | Phenol | 1.528 | 1.550 | -1.4 | 113 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.223 | 1.201 | 1.8 | 110 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.490 | 1.456 | 2.3 | 110 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.521 | 1.483 | 2.5 | 111 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.456 | 1.424 | 2.2 | 111 | 0.00 |
| 15 | | Benzyl Alcohol | 1.032 | 1.036 | -0.4 | 111 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.802 | 1.758 | 2.4 | 110 | 0.00 |
| 17 | | 2-Methylphenol | 0.991 | 0.997 | -0.6 | 110 | 0.00 |
| 18 | | Hexachloroethane | 0.535 | 0.528 | 1.3 | 111 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.887 | 0.921 | -3.8 | 111 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.330 | 1.325 | 0.4 | 109 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 22 | | Acetophenone | 0.500 | 0.498 | 0.4 | 110 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.392 | 0.399 | -1.8 | 111 | 0.00 |
| 24 | | Nitrobenzene | 0.350 | 0.351 | -0.3 | 111 | 0.00 |
| 25 | | Isophorone | 0.636 | 0.632 | 0.6 | 107 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.143 | 0.152 | -6.3 | 113 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.303 | 0.299 | 1.3 | 109 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.422 | 0.410 | 2.8 | 107 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.312 | 0.313 | -0.3 | 109 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.373 | 0.357 | 4.3 | 107 | 0.00 |
| 31 | | Naphthalene | 1.016 | 0.985 | 3.1 | 108 | 0.00 |
| 32 | | Benzoic acid | 0.165 | 0.180 | -9.1 | 119 | 0.00 |
| 33 | | 4-Chloroaniline | 0.429 | 0.431 | -0.5 | 109 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.228 | 0.214 | 6.1 | 105 | 0.00 |
| 35 | | Caprolactam | 0.085 | 0.086 | -1.2 | 108 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.291 | 0.297 | -2.1 | 109 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.641 | 0.632 | 1.4 | 108 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.679 | 0.669 | 1.5 | 108 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.636 | 0.609 | 4.2 | 105 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.407 | 0.389 | 4.4 | 105 | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 0.243 | 0.255 | -4.9 | 110 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.391 | 0.395 | -1.0 | 108 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.428 | 0.430 | -0.5 | 107 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.620 | 1.578 | 2.6 | 106 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.484 | 1.450 | 2.3 | 108 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.183 | 1.165 | 1.5 | 109 | 0.00 |

Sample Results: **BM050429.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
Data File : BM050429.D
Acq On : 14 Jul 2025 16:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 14 17:29:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.264 | 0.284 | -7.6 | 109 | 0.00 |
| 49 | | Acenaphthylene | 1.788 | 1.795 | -0.4 | 108 | 0.00 |
| 50 | | Dimethylphthalate | 1.377 | 1.351 | 1.9 | 107 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.264 | 0.279 | -5.7 | 110 | 0.00 |
| 52 | C | Acenaphthene | 1.137 | 1.130 | 0.6 | 109 | 0.00 |
| 53 | | 3-Nitroaniline | 0.281 | 0.301 | -7.1 | 110 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.121 | 0.129 | -6.6 | 118 | 0.00 |
| 55 | | Dibenzofuran | 1.751 | 1.713 | 2.2 | 107 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.242 | 0.252 | -4.1 | 110 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.350 | 0.382 | -9.1 | 110 | 0.00 |
| 58 | | Fluorene | 1.443 | 1.436 | 0.5 | 108 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.360 | 0.367 | -1.9 | 108 | 0.00 |
| 60 | | Diethylphthalate | 1.315 | 1.308 | 0.5 | 107 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 0.754 | 0.739 | 2.0 | 106 | 0.00 |
| 62 | | 4-Nitroaniline | 0.288 | 0.322 | -11.8 | 111 | 0.00 |
| 63 | | Azobenzene | 1.208 | 1.228 | -1.7 | 109 | -0.01 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.095 | 0.101 | -6.3 | 117 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.626 | 0.615 | 1.8 | 108 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 0.220 | 0.215 | 2.3 | 108 | -0.01 |
| 68 | | Hexachlorobenzene | 0.260 | 0.251 | 3.5 | 107 | 0.00 |
| 69 | | Atrazine | 0.206 | 0.210 | -1.9 | 108 | -0.01 |
| 70 | C | Pentachlorophenol | 0.162 | 0.165 | -1.9 | 112 | 0.00 |
| 71 | | Phenanthrene | 1.132 | 1.100 | 2.8 | 109 | 0.00 |
| 72 | | Anthracene | 1.127 | 1.122 | 0.4 | 110 | -0.01 |
| 73 | | Carbazole | 1.019 | 1.039 | -2.0 | 112 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.116 | 1.151 | -3.1 | 110 | -0.01 |
| 75 | C | Fluoranthene | 1.230 | 1.253 | -1.9 | 111 | -0.01 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 116 | -0.01 |
| 77 | | Benzidine | 0.510 | 0.299 | 41.4# | 63 | -0.01 |
| 78 | | Pyrene | 1.281 | 1.213 | 5.3 | 112 | -0.01 |
| 79 | S | Terphenyl-d14 | 1.137 | 1.182 | -4.0 | 109 | -0.01 |
| 80 | | Butylbenzylphthalate | 0.422 | 0.453 | -7.3 | 119 | -0.02 |
| 81 | | Benzo(a)anthracene | 1.303 | 1.300 | 0.2 | 118 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 0.439 | 0.426 | 3.0 | 115 | -0.01 |
| 83 | | Chrysene | 1.229 | 1.213 | 1.3 | 117 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.670 | 0.731 | -9.1 | 120 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 1.050 | 1.148 | -9.3 | 126 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 122 | -0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.422 | 1.455 | -2.3 | 125 | -0.02 |
| 88 | | Benzo(b)fluoranthene | 1.230 | 1.225 | 0.4 | 121 | -0.02 |
| 89 | | Benzo(k)fluoranthene | 1.276 | 1.236 | 3.1 | 119 | -0.02 |
| 90 | C | Benzo(a)pyrene | 1.152 | 1.164 | -1.0 | 123 | -0.02 |
| 91 | | Dibenzo(a,h)anthracene | 1.198 | 1.223 | -2.1 | 125 | -0.04 |
| 92 | | Benzo(g,h,i)perylene | 1.132 | 1.152 | -1.8 | 125 | -0.03 |

Sample Results: **BM050429.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
Data File : BM050429.D
Acq On : 14 Jul 2025 16:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 14 17:29:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev Area% | Dev(min) |
|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BM050429.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
Data File : BM050429.D
Acq On : 14 Jul 2025 16:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 14 17:29:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 110 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.676 | 3.3 | 110 | 0.00 |
| 3 | | Pyridine | 40.000 | 39.934 | 0.2 | 112 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 40.722 | -1.8 | 114 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.393 | -0.5 | 111 | 0.00 |
| 6 | | Aniline | 40.000 | 40.237 | -0.6 | 110 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 82.395 | -3.0 | 113 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.070 | -0.2 | 110 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 44.877 | -12.2 | 119 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.591 | -1.5 | 113 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.256 | 1.9 | 110 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.084 | 2.3 | 110 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.004 | 2.5 | 111 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.116 | 2.2 | 111 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 40.162 | -0.4 | 111 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.024 | 2.4 | 110 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.241 | -0.6 | 110 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.443 | 1.4 | 111 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 41.504 | -3.8 | 111 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.839 | 0.4 | 109 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 109 | 0.00 |
| 22 | | Acetophenone | 40.000 | 39.815 | 0.5 | 110 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 81.413 | -1.8 | 111 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 40.131 | -0.3 | 111 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.716 | 0.7 | 107 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.742 | -6.9 | 113 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.483 | 1.3 | 109 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.943 | 2.6 | 107 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.196 | -0.5 | 109 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.342 | 4.1 | 107 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.781 | 3.0 | 108 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 39.787 | 0.5 | 119 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 40.145 | -0.4 | 109 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.580 | 6.1 | 105 | 0.00 |
| 35 | | Caprolactam | 40.000 | 40.432 | -1.1 | 108 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.774 | -1.9 | 109 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.410 | 1.5 | 108 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.418 | 1.5 | 108 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 107 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.323 | 4.2 | 105 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 38.245 | 4.4 | 105 | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 83.942 | -4.9 | 110 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 40.394 | -1.0 | 108 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.188 | -0.5 | 107 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 77.961 | 2.5 | 106 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.087 | 2.3 | 108 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.380 | 1.5 | 109 | 0.00 |

Sample Results: **BM050429.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
Data File : BM050429.D
Acq On : 14 Jul 2025 16:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 14 17:29:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 43.062 | -7.7 | 109 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.151 | -0.4 | 108 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.254 | 1.9 | 107 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 42.250 | -5.6 | 110 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.774 | 0.6 | 109 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 42.864 | -7.2 | 110 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 38.955 | 2.6 | 118 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.114 | 2.2 | 107 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 41.709 | -4.3 | 110 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 39.178 | 2.1 | 110 | 0.00 |
| 58 | | Fluorene | 40.000 | 39.804 | 0.5 | 108 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.793 | -2.0 | 108 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 39.771 | 0.6 | 107 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.180 | 2.1 | 106 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 40.267 | -0.7 | 111 | 0.00 |
| 63 | | Azobenzene | 40.000 | 40.674 | -1.7 | 109 | -0.01 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 109 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 38.794 | 3.0 | 117 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.314 | 1.7 | 108 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 39.033 | 2.4 | 108 | -0.01 |
| 68 | | Hexachlorobenzene | 40.000 | 38.647 | 3.4 | 107 | 0.00 |
| 69 | | Atrazine | 40.000 | 40.910 | -2.3 | 108 | -0.01 |
| 70 | C | Pentachlorophenol | 40.000 | 40.653 | -1.6 | 112 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.896 | 2.8 | 109 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.846 | 0.4 | 110 | -0.01 |
| 73 | | Carbazole | 40.000 | 40.769 | -1.9 | 112 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.275 | -3.2 | 110 | -0.01 |
| 75 | C | Fluoranthene | 40.000 | 40.753 | -1.9 | 111 | -0.01 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 116 | -0.01 |
| 77 | | Benzidine | 40.000 | 23.465 | 41.3# | 63 | -0.01 |
| 78 | | Pyrene | 40.000 | 37.888 | 5.3 | 112 | -0.01 |
| 79 | S | Terphenyl-d14 | 80.000 | 83.219 | -4.0 | 109 | -0.01 |
| 80 | | Butylbenzylphthalate | 40.000 | 42.873 | -7.2 | 119 | -0.02 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.905 | 0.2 | 118 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 38.750 | 3.1 | 115 | -0.01 |
| 83 | | Chrysene | 40.000 | 39.487 | 1.3 | 117 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.607 | -9.0 | 120 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 43.719 | -9.3 | 126 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 122 | -0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.924 | -2.3 | 125 | -0.02 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 39.820 | 0.4 | 121 | -0.02 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 38.728 | 3.2 | 119 | -0.02 |
| 90 | C | Benzo(a)pyrene | 40.000 | 40.414 | -1.0 | 123 | -0.02 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 40.853 | -2.1 | 125 | -0.04 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 40.712 | -1.8 | 125 | -0.03 |

Sample Results: **BM050429.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
Data File : BM050429.D
Acq On : 14 Jul 2025 16:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 14 17:29:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0

# QC SAMPLE DATA

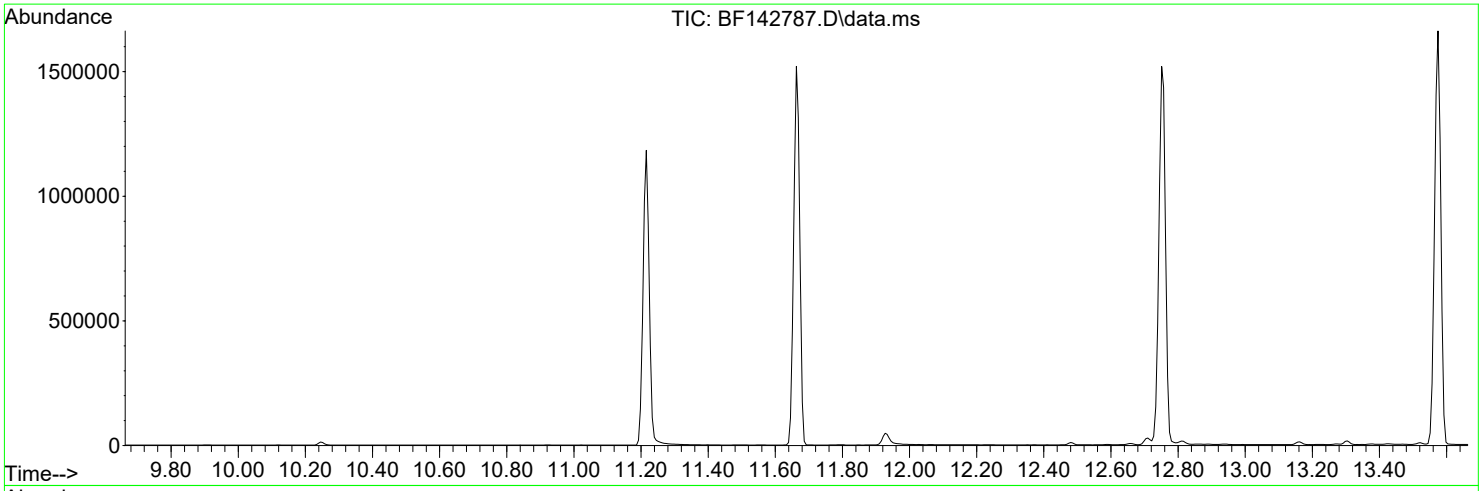
Sample Results: **BF142787.D**

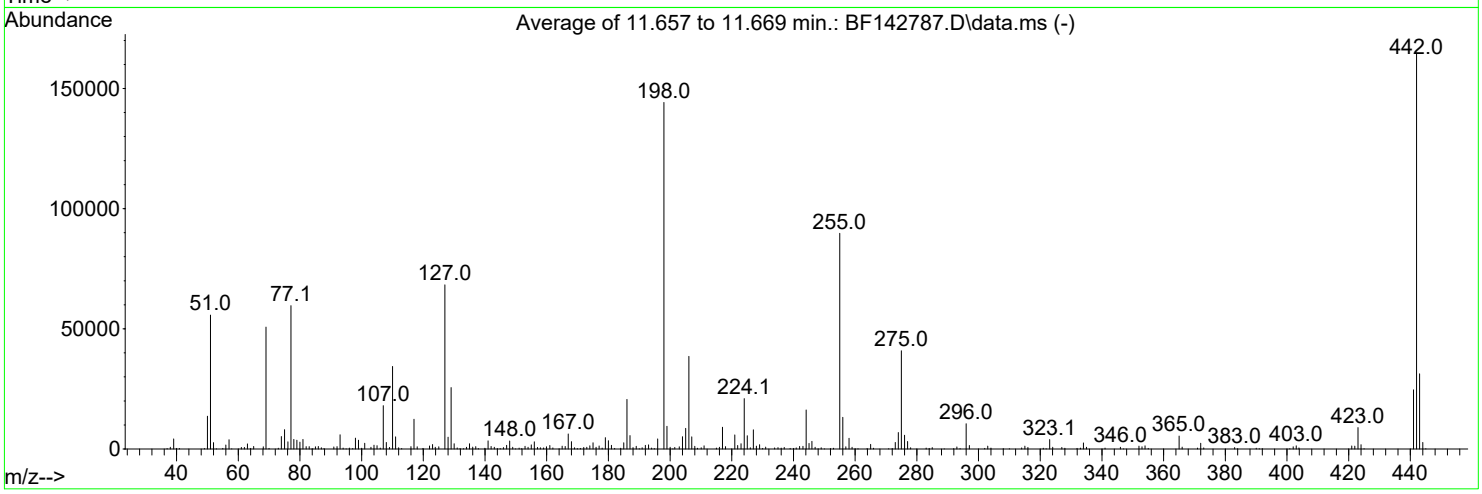
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142787.D
Acq On : 19 Jun 2025 16:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 20 05:06:14 2025




AutoFind: Scans 1609, 1610, 1611; Background Corrected with Scan 1603

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 68 | 69 | 0.00 | 2 | 1.8 | 926 | PASS |
| 69 | 69 | 100 | 100 | 100.0 | 50712 | PASS |
| 70 | 69 | 0.00 | 2 | 0.5 | 243 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 144192 | PASS |
| 199 | 198 | 5 | 9 | 6.6 | 9464 | PASS |
| 365 | 198 | 1 | 100 | 3.7 | 5372 | PASS |
| 441 | 443 | 0.01 | 150 | 78.8 | 24649 | PASS |
| 442 | 442 | 100 | 100 | 100.0 | 164283 | PASS |
| 443 | 442 | 15 | 24 | 19.1 | 31296 | PASS |

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 6/19/2025 | BNA_F | BF142787.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 429715 | 13.574 |
| DDD | 7712 | 13.304 |
| DDE | 717 | 12.939 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 8429 | 438144 | 1.92 |
| | | |

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

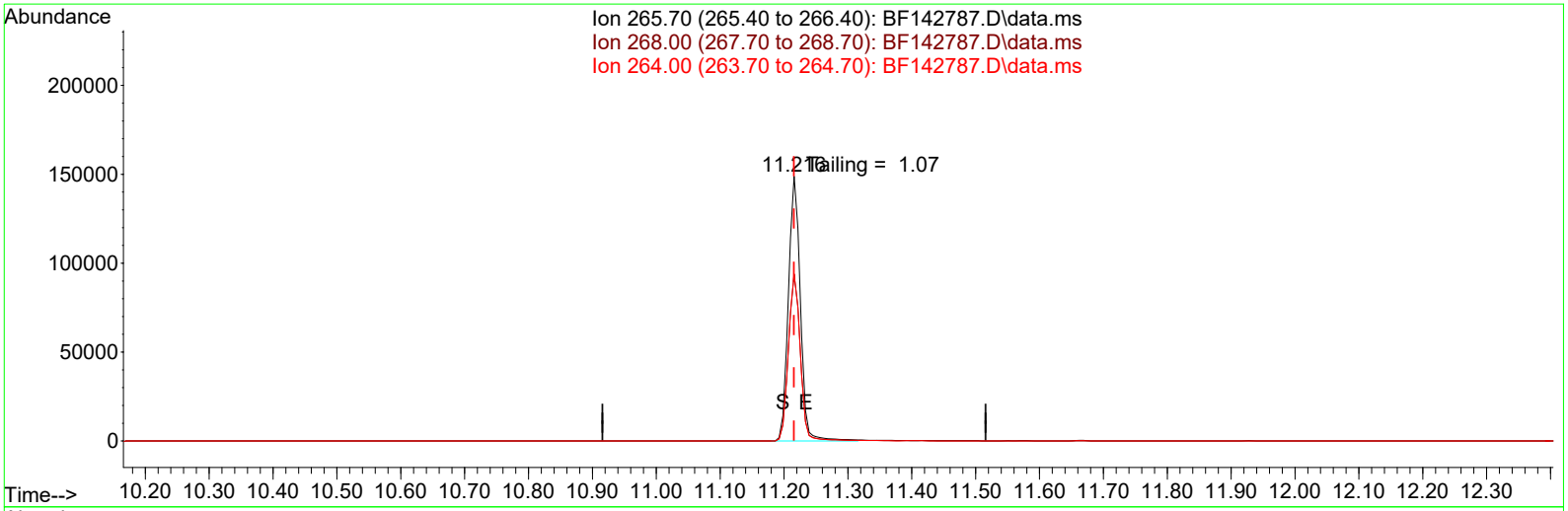
Quantitation Report (Qedit)

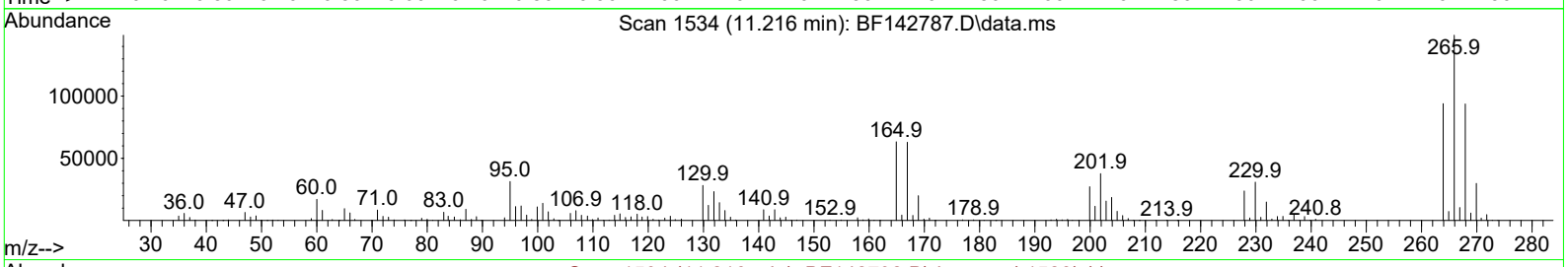
Sample Results: **BF142787.D**

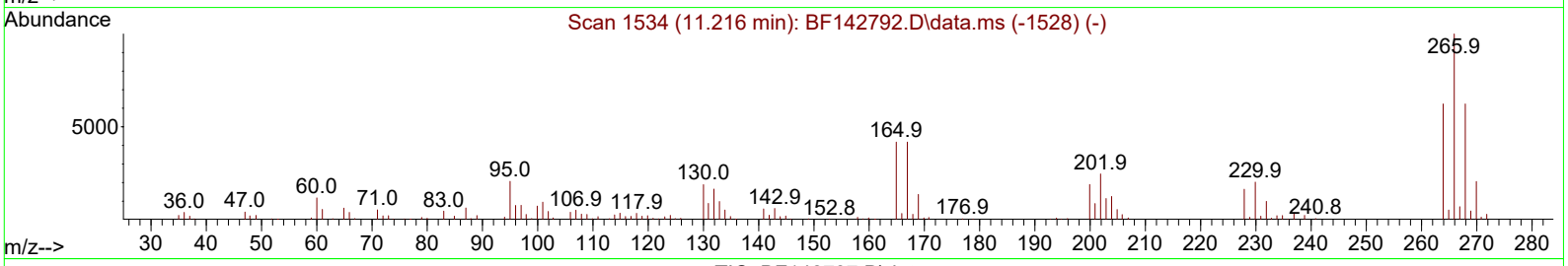
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142787.D
Acq On : 19 Jun 2025 16:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Jun 20 05:38:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 05:06:14 2025
Response via : Initial Calibration




TIC: BF142787.D\data.ms

**(70) Pentachlorophenol (C)**

**11.216min (+ 0.000) 37164.56 ng**

**response 195787**

| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 62.30 | 62.94 |
| 264.00 | 62.40 | 63.12 |
| 0.00 | 0.00 | 0.00 |

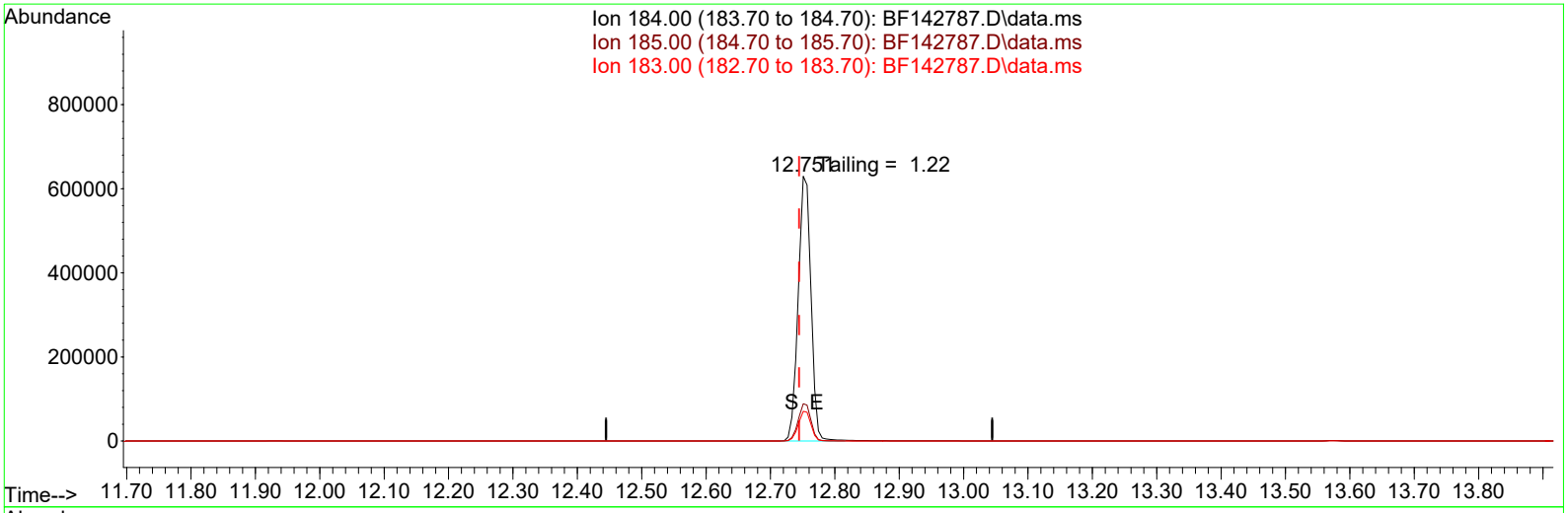
Quantitation Report (Qedit)

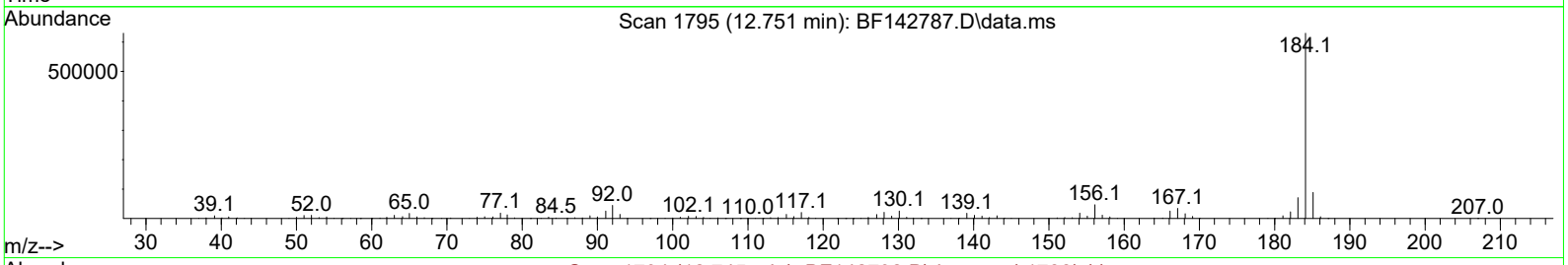
Sample Results: **BF142787.D**

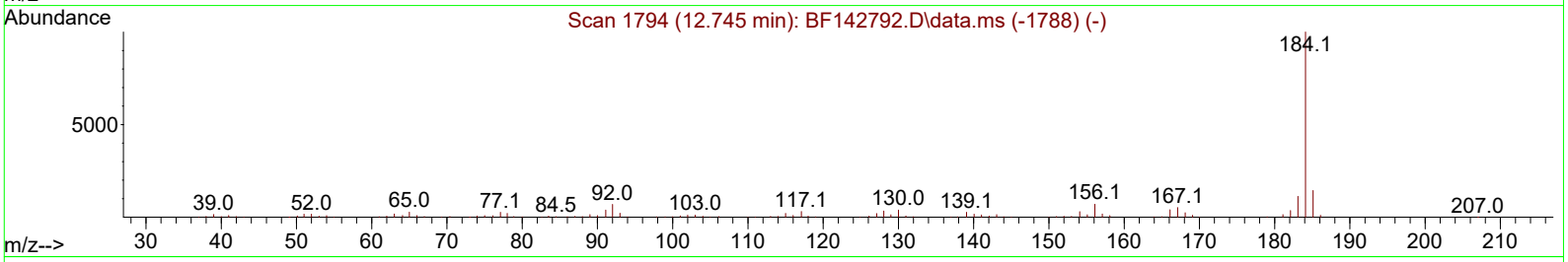
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142787.D
Acq On : 19 Jun 2025 16:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Jun 20 05:38:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 05:06:14 2025
Response via : Initial Calibration




TIC: BF142787.D\data.ms

**(77) Benzidine**

**12.751min (+ 0.006) 0.00 ng**

**response 874127**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.40 | 14.11 |
| 183.00 | 11.20 | 11.25 |
| 0.00 | 0.00 | 0.00 |

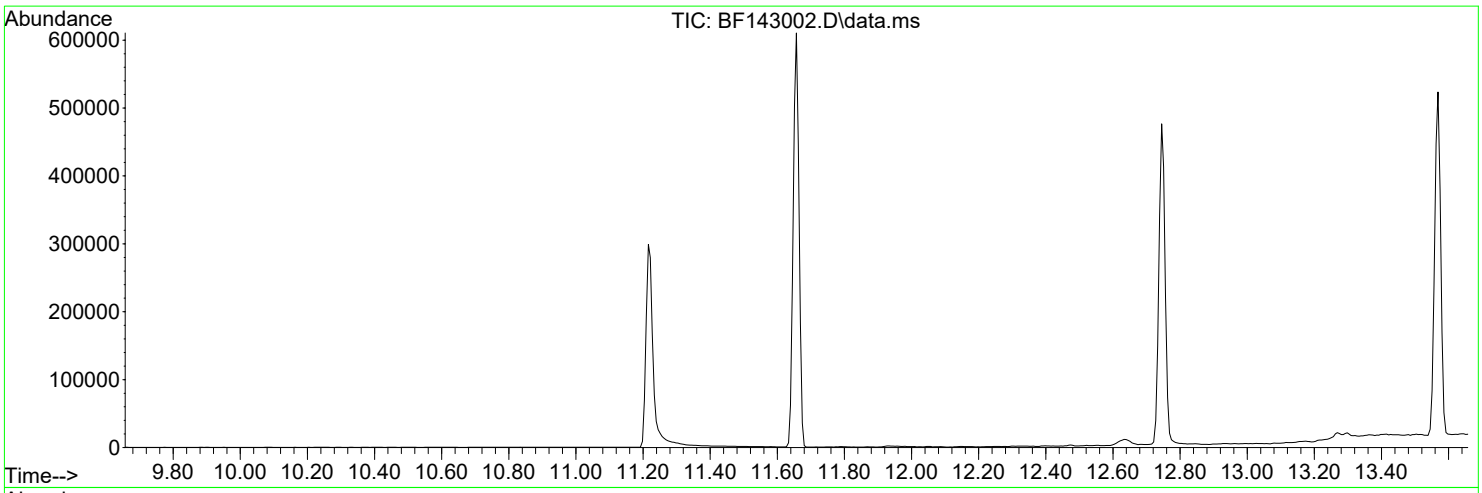
Sample Results: **BF143002.D**

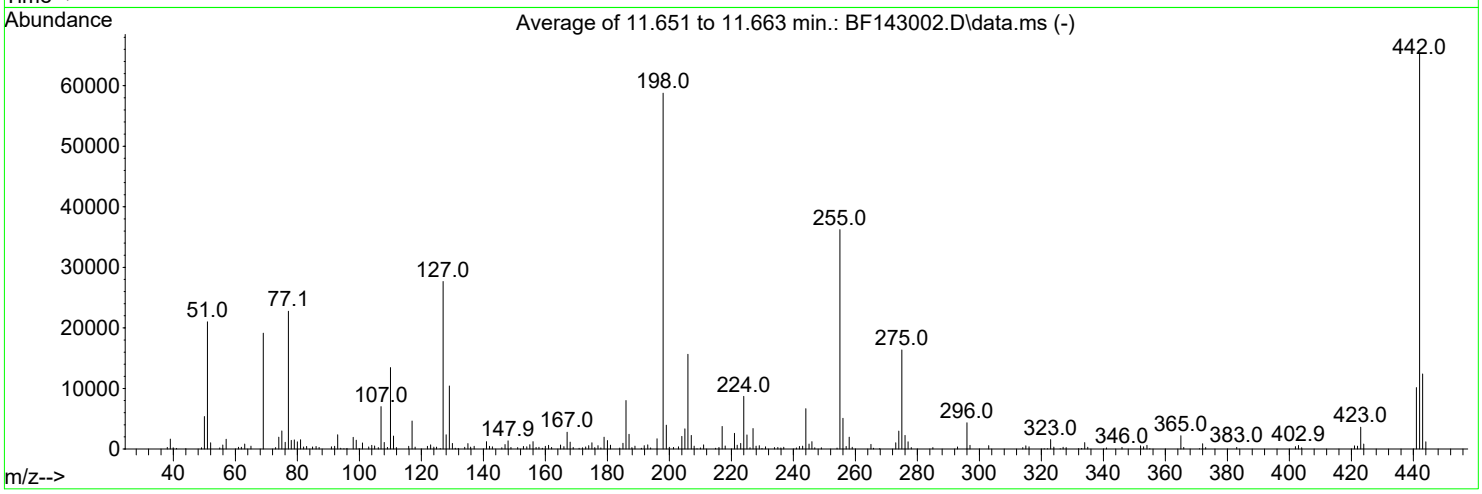
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143002.D
Acq On : 07 Jul 2025 11:12
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 24 05:28:21 2025




AutoFind: Scans 1608, 1609, 1610; Background Corrected with Scan 1602

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 68 | 69 | 0.00 | 2 | 0.0 | 0 | PASS |
| 69 | 69 | 100 | 100 | 100.0 | 19140 | PASS |
| 70 | 69 | 0.00 | 2 | 0.0 | 0 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 58773 | PASS |
| 199 | 198 | 5 | 9 | 6.7 | 3928 | PASS |
| 365 | 198 | 1 | 100 | 3.7 | 2188 | PASS |
| 441 | 443 | 0.01 | 150 | 81.7 | 10137 | PASS |
| 442 | 442 | 100 | 100 | 100.0 | 65205 | PASS |
| 443 | 442 | 15 | 24 | 19.0 | 12401 | PASS |

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 7/7/2025 | BNA_F | BF143002.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 129967 | 13.568 |
| DDD | 4973 | 13.268 |
| DDE | 479 | 12.933 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 5452 | 135419 | 4.03 |
| | | |

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

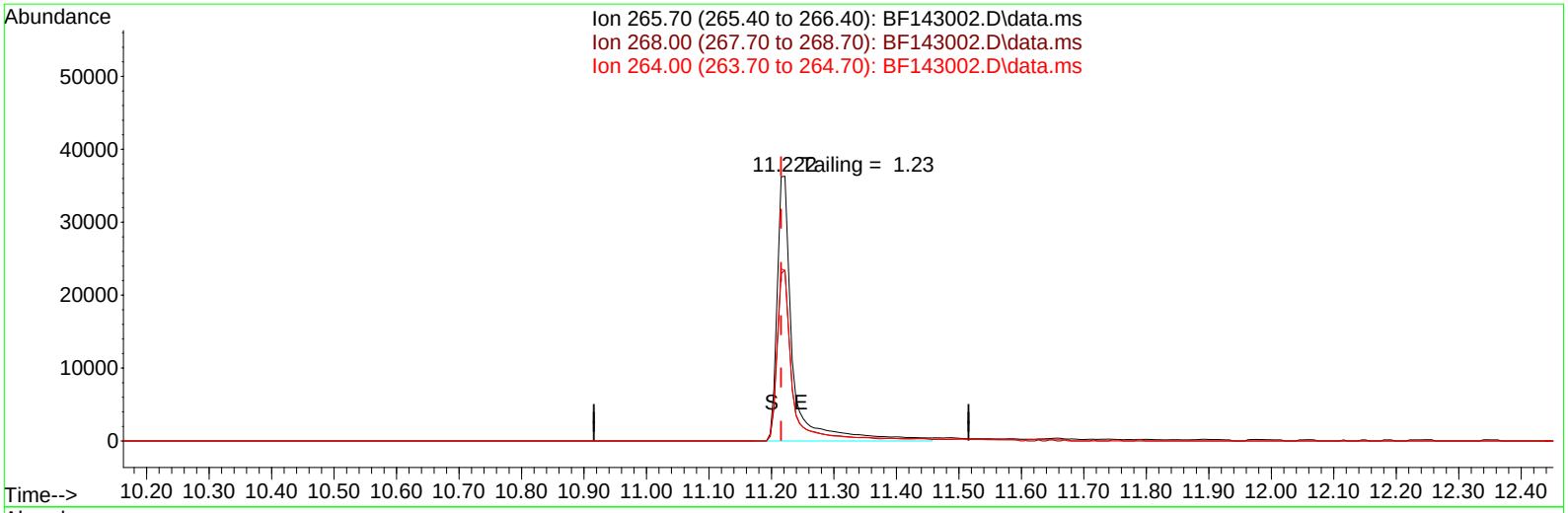
Quantitation Report (Qedit)

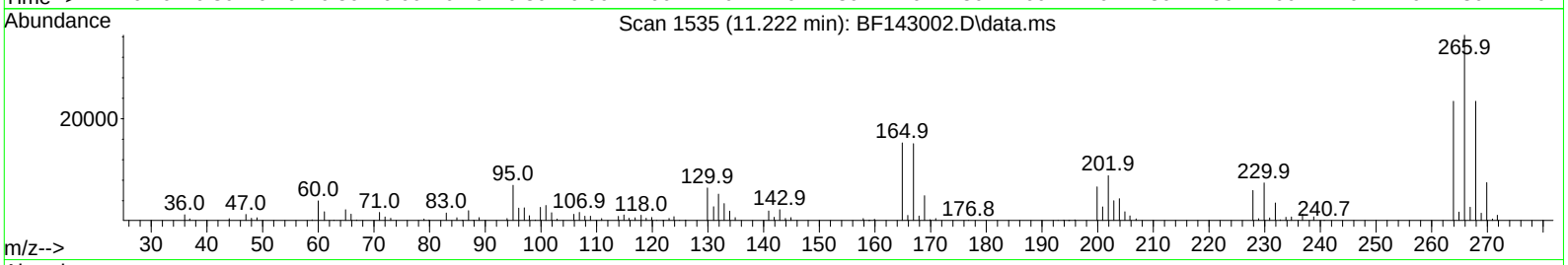
Sample Results: **BF143002.D**

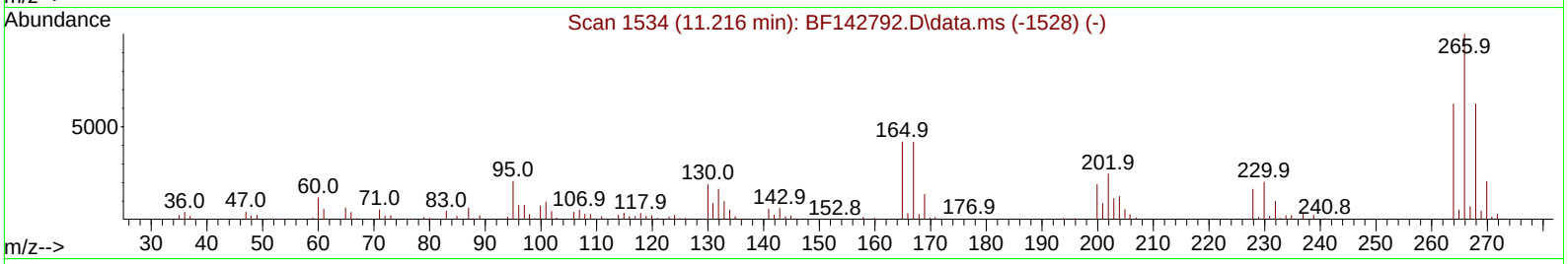
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143002.D
Acq On : 07 Jul 2025 11:12
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Jul 07 13:07:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration




TIC: BF143002.D\data.ms

**(70) Pentachlorophenol (C)**

**11.222min (+ 0.006) 41433.17 ng**

**response 63968**

| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 62.30 | 64.49 |
| 264.00 | 62.40 | 64.49 |
| 0.00 | 0.00 | 0.00 |

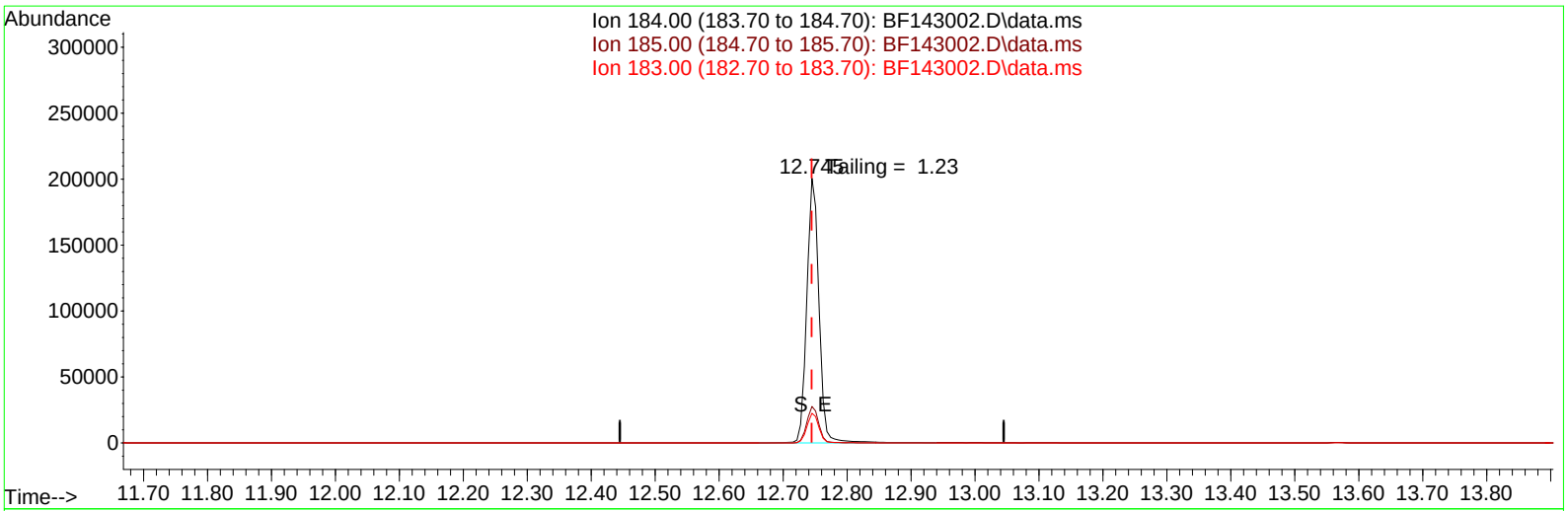
Quantitation Report (Qedit)

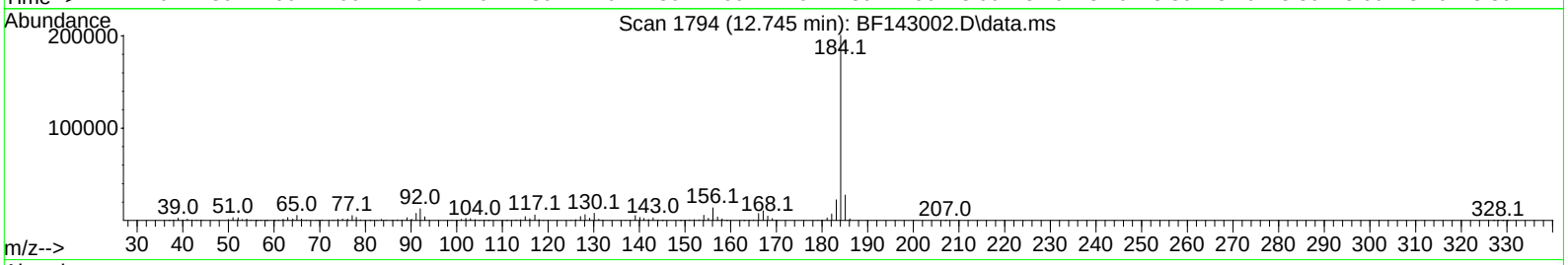
Sample Results: **BF143002.D**

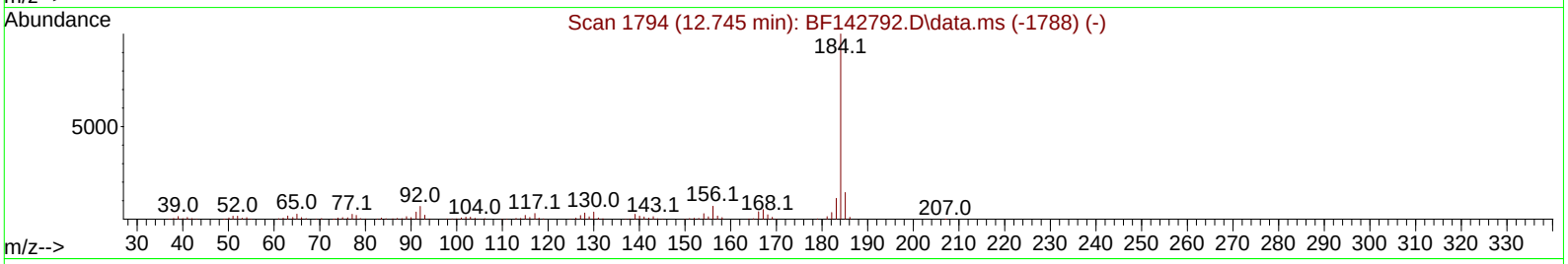
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143002.D
Acq On : 07 Jul 2025 11:12
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Jul 07 13:07:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration




TIC: BF143002.D\data.ms

**(77) Benzidine**

**12.745min (+ 0.000) 0.00 ng**

**response 267776**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.40 | 13.80 |
| 183.00 | 11.20 | 11.22 |
| 0.00 | 0.00 | 0.00 |

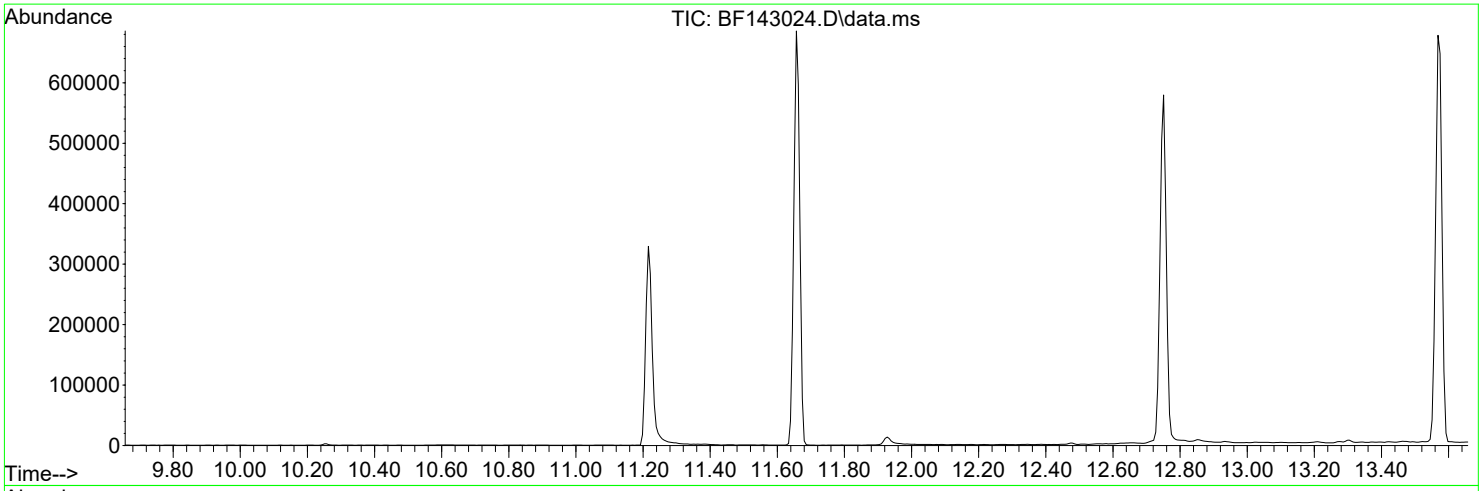
Sample Results: **BF143024.D**

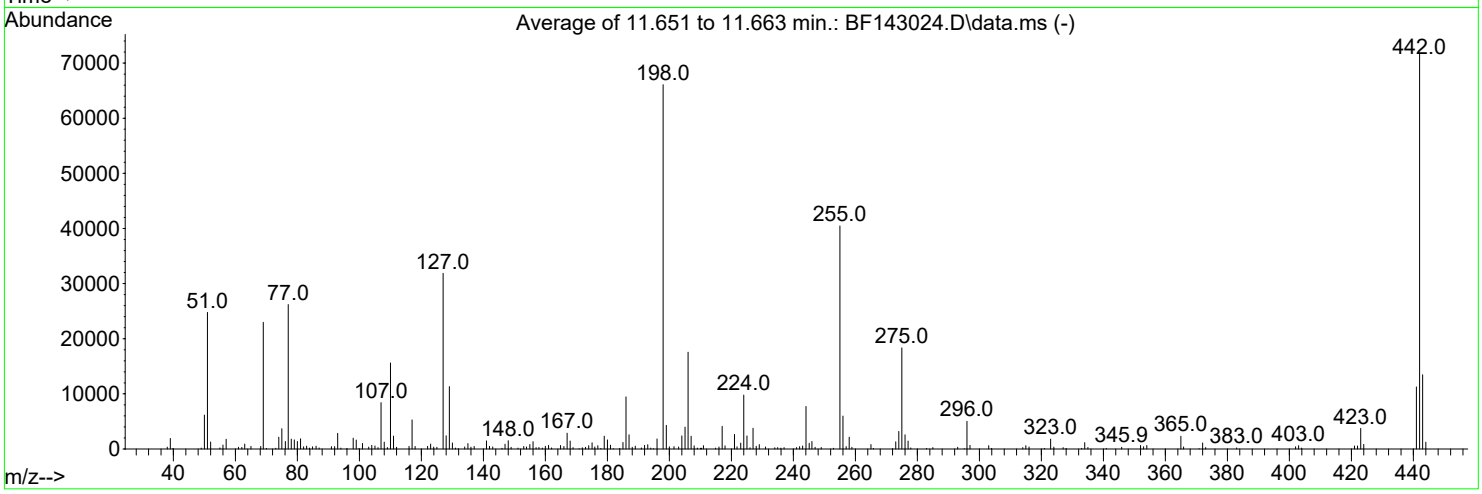
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143024.D
Acq On : 08 Jul 2025 10:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 24 05:28:21 2025




AutoFind: Scans 1608, 1609, 1610; Background Corrected with Scan 1602

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 68 | 69 | 0.00 | 2 | 2.0 | 457 | PASS |
| 69 | 69 | 100 | 100 | 100.0 | 22973 | PASS |
| 70 | 69 | 0.00 | 2 | 0.5 | 123 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 66072 | PASS |
| 199 | 198 | 5 | 9 | 6.5 | 4287 | PASS |
| 365 | 198 | 1 | 100 | 3.5 | 2336 | PASS |
| 441 | 443 | 0.01 | 150 | 83.6 | 11262 | PASS |
| 442 | 442 | 100 | 100 | 100.0 | 71613 | PASS |
| 443 | 442 | 15 | 24 | 18.8 | 13467 | PASS |

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 7/8/2025 | BNA_F | BF143024.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 179865 | 13.568 |
| DDD | 3904 | 13.298 |
| DDE | 604 | 12.933 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 4508 | 184373 | 2.45 |
| | | |

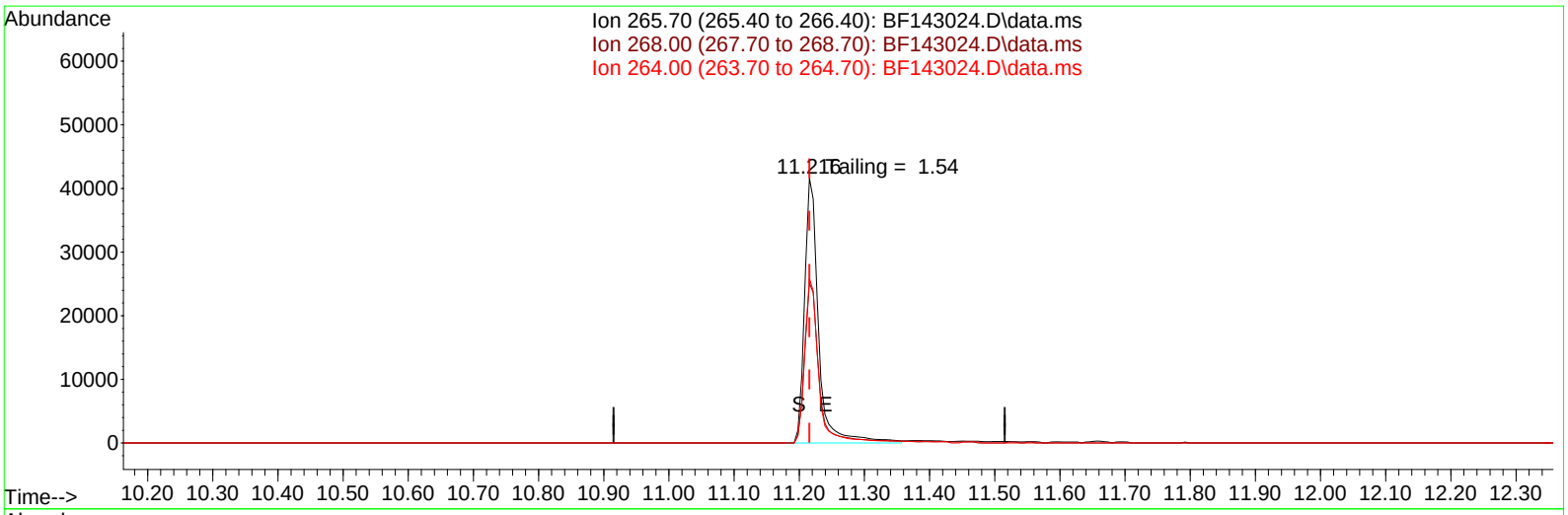
Quantitation Report (Qedit)

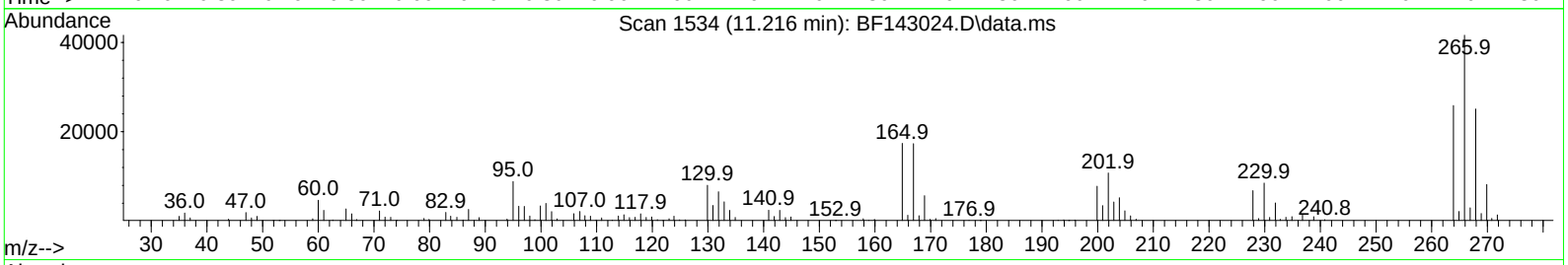
Sample Results: **BF143024.D**

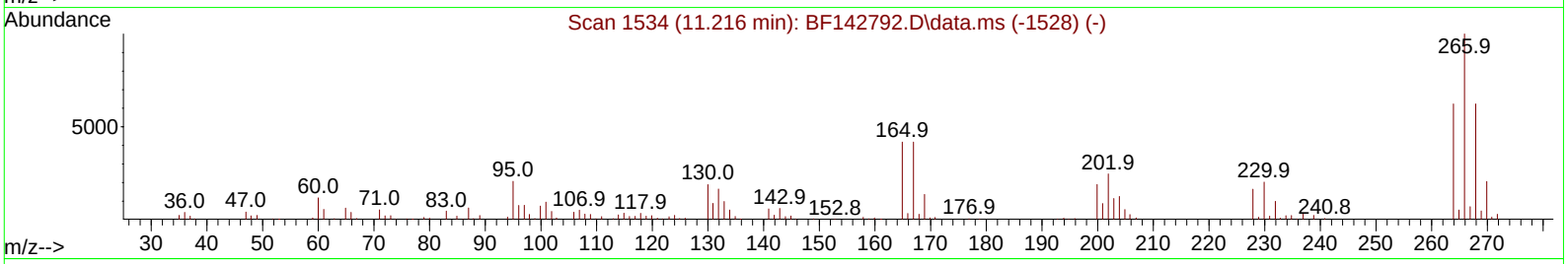
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143024.D
Acq On : 08 Jul 2025 10:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Jul 08 11:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration




TIC: BF143024.D\data.ms

**(70) Pentachlorophenol (C)**

**11.216min (+ 0.000) 28385.23 ng**

**response 62605**

| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 62.30 | 60.35 |
| 264.00 | 62.40 | 62.14 |
| 0.00 | 0.00 | 0.00 |

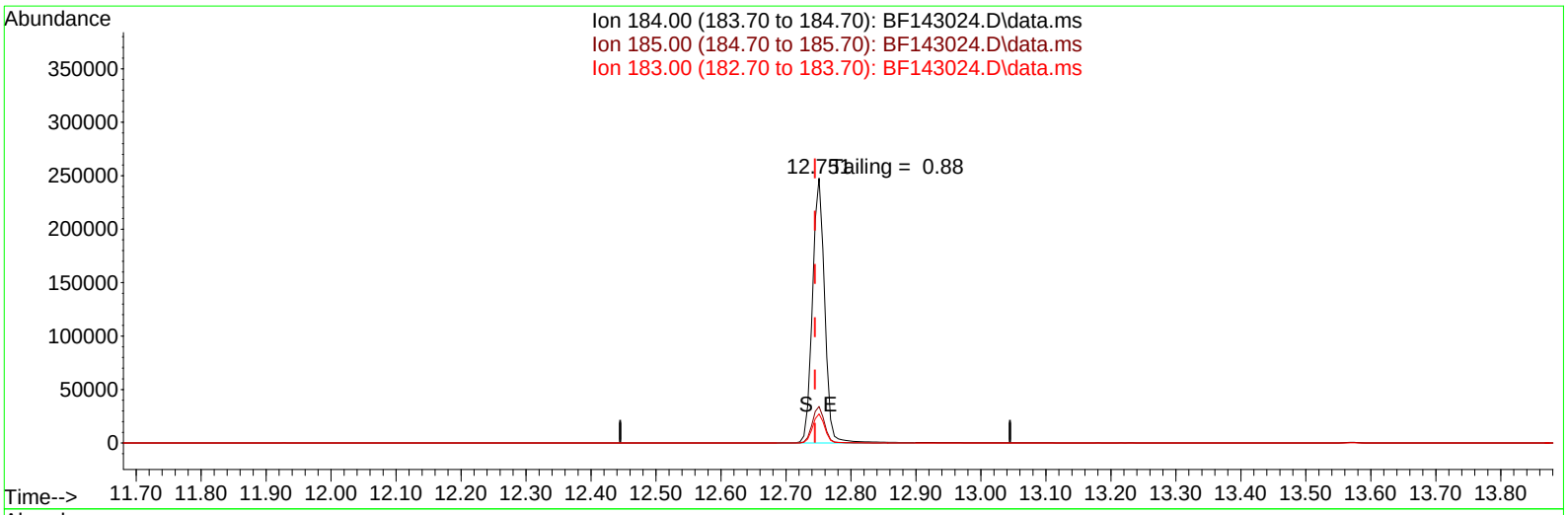
Quantitation Report (Qedit)

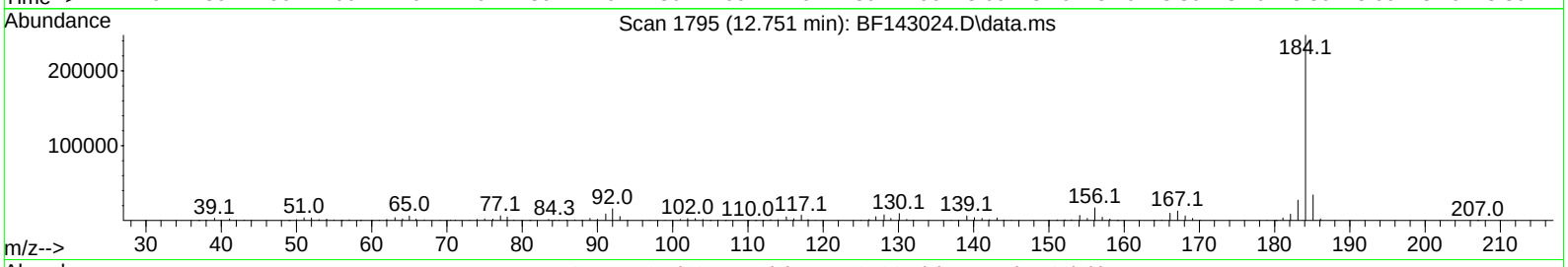
Sample Results: **BF143024.D**

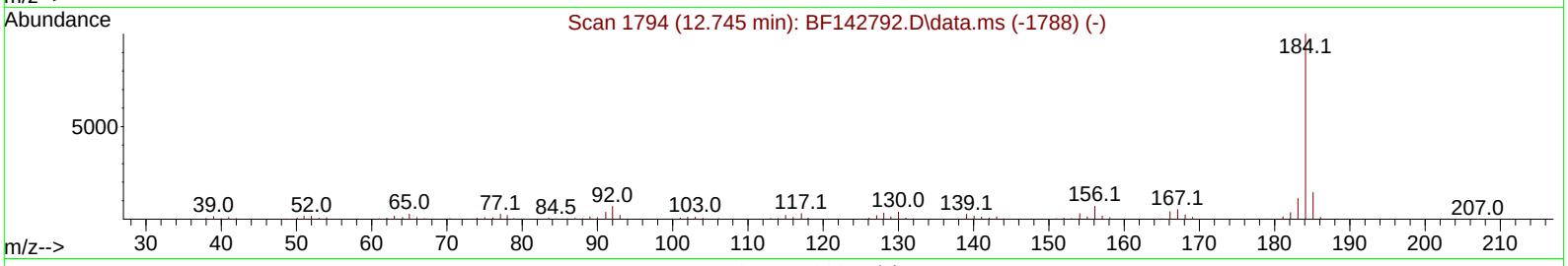
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143024.D
Acq On : 08 Jul 2025 10:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Jul 08 11:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration




TIC: BF143024.D\data.ms

**(77) Benzidine**

**12.751min (+ 0.006) 0.00 ng**

**response 326123**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.40 | 13.81 |
| 183.00 | 11.20 | 11.00 |
| 0.00 | 0.00 | 0.00 |

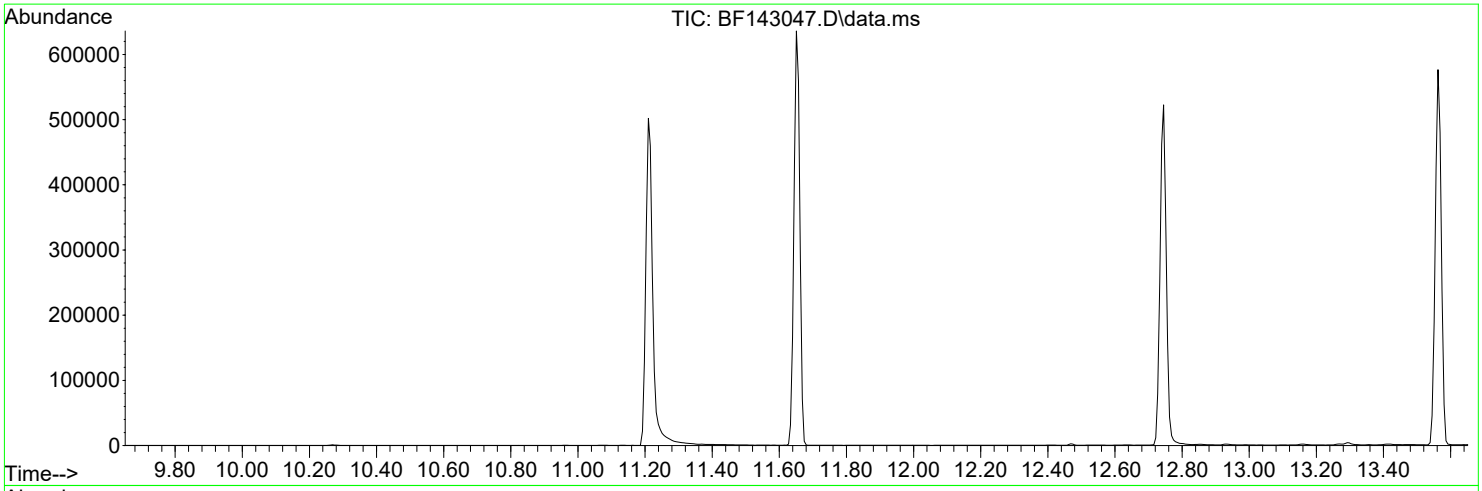
Sample Results: **BF143047.D**

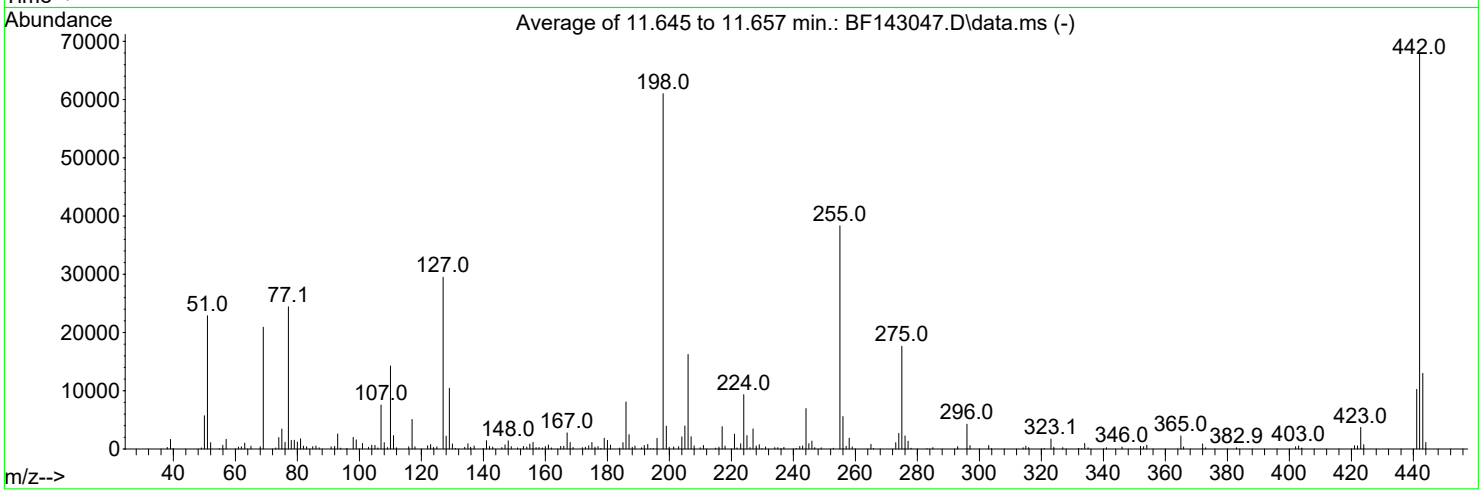
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143047.D
Acq On : 09 Jul 2025 10:22
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 24 05:28:21 2025




AutoFind: Scans 1607, 1608, 1609; Background Corrected with Scan 1601

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 68 | 69 | 0.00 | 2 | 1.9 | 406 | PASS |
| 69 | 69 | 100 | 100 | 100.0 | 20917 | PASS |
| 70 | 69 | 0.00 | 2 | 0.0 | 0 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 61016 | PASS |
| 199 | 198 | 5 | 9 | 6.5 | 3939 | PASS |
| 365 | 198 | 1 | 100 | 3.7 | 2249 | PASS |
| 441 | 443 | 0.01 | 150 | 78.8 | 10250 | PASS |
| 442 | 442 | 100 | 100 | 100.0 | 67792 | PASS |
| 443 | 442 | 15 | 24 | 19.2 | 13004 | PASS |

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 7/9/2025 | BNA_F | BF143047.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 150121 | 13.563 |
| DDD | 2906 | 13.292 |
| DDE | 645 | 12.927 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 3551 | 153672 | 2.31 |
| | | |

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

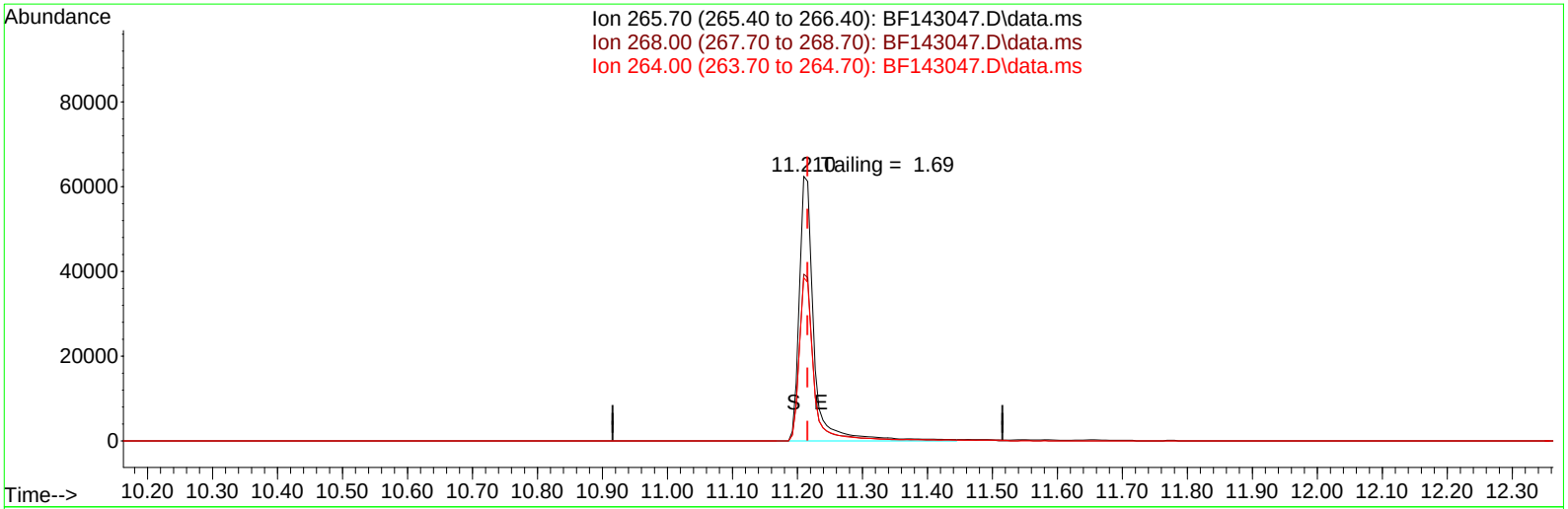
Quantitation Report (Qedit)

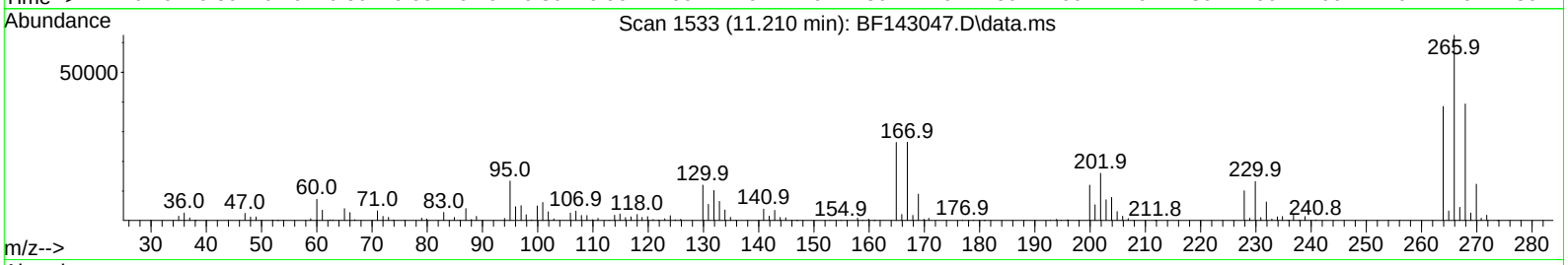
Sample Results: **BF143047.D**

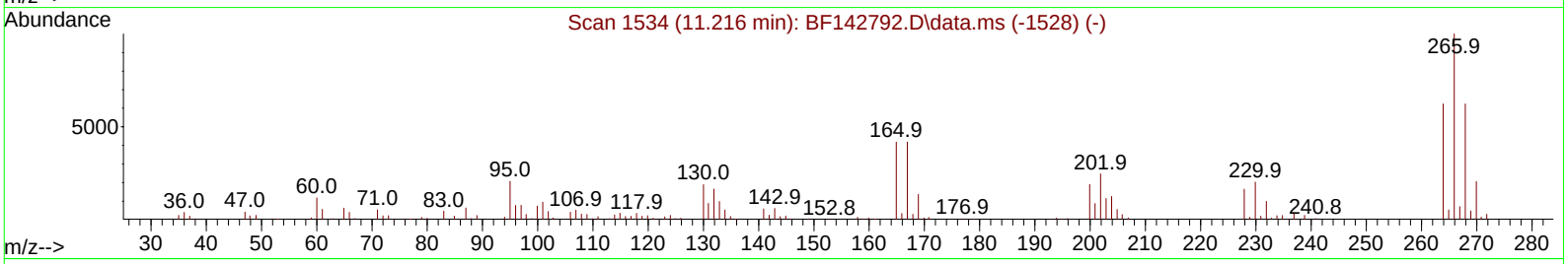
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143047.D
Acq On : 09 Jul 2025 10:22
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Jul 09 11:29:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration




TIC: BF143047.D\data.ms

**(70) Pentachlorophenol (C)**

**11.210min (-0.006) 48733.15 ng**

**response 96735**

| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 62.30 | 63.02 |
| 264.00 | 62.40 | 61.65 |
| 0.00 | 0.00 | 0.00 |

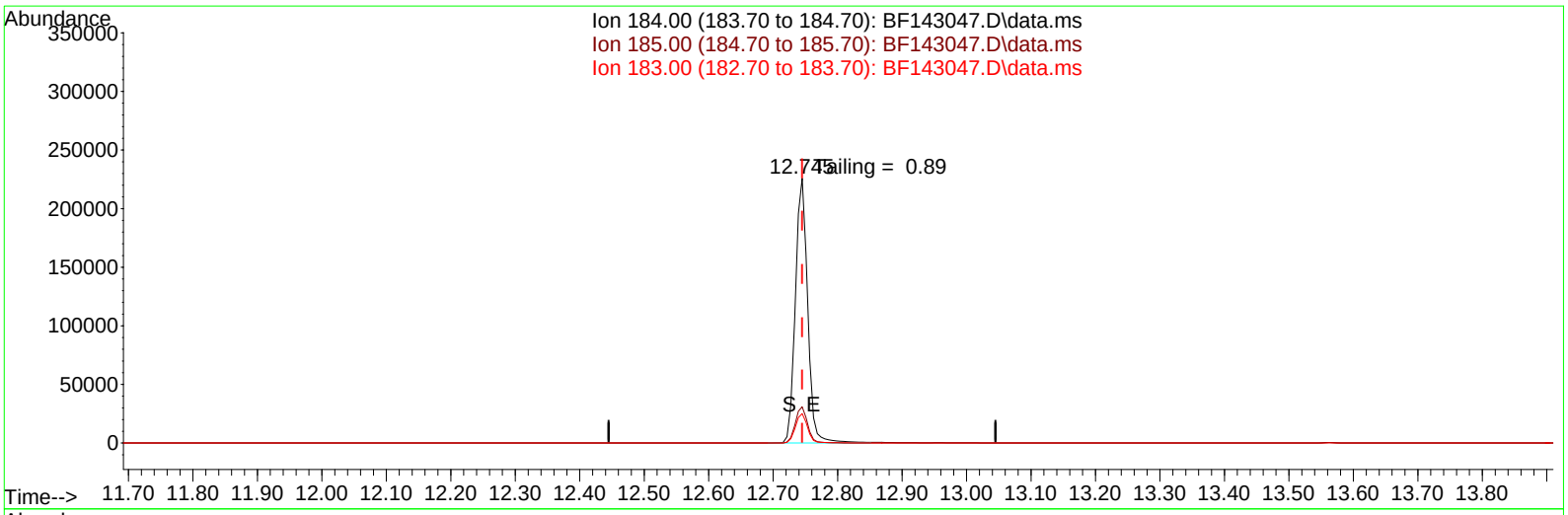
Quantitation Report (Qedit)

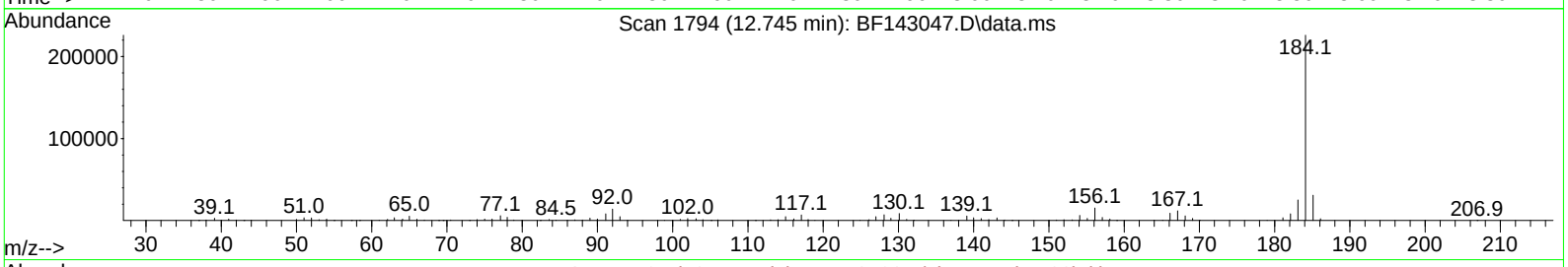
Sample Results: **BF143047.D**

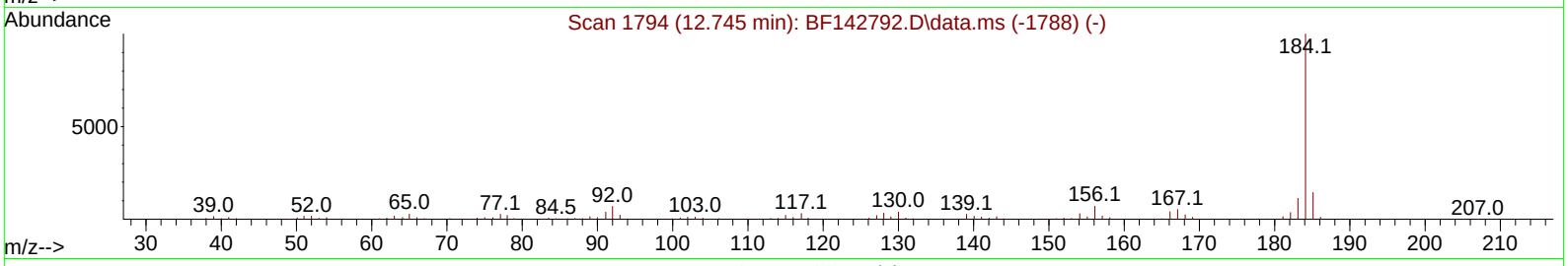
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143047.D
Acq On : 09 Jul 2025 10:22
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Jul 09 11:29:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration




TIC: BF143047.D\data.ms

**(77) Benzidine**

**12.745min (+ 0.000) 0.00 ng**

**response 301867**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.40 | 13.67 |
| 183.00 | 11.20 | 11.11 |
| 0.00 | 0.00 | 0.00 |

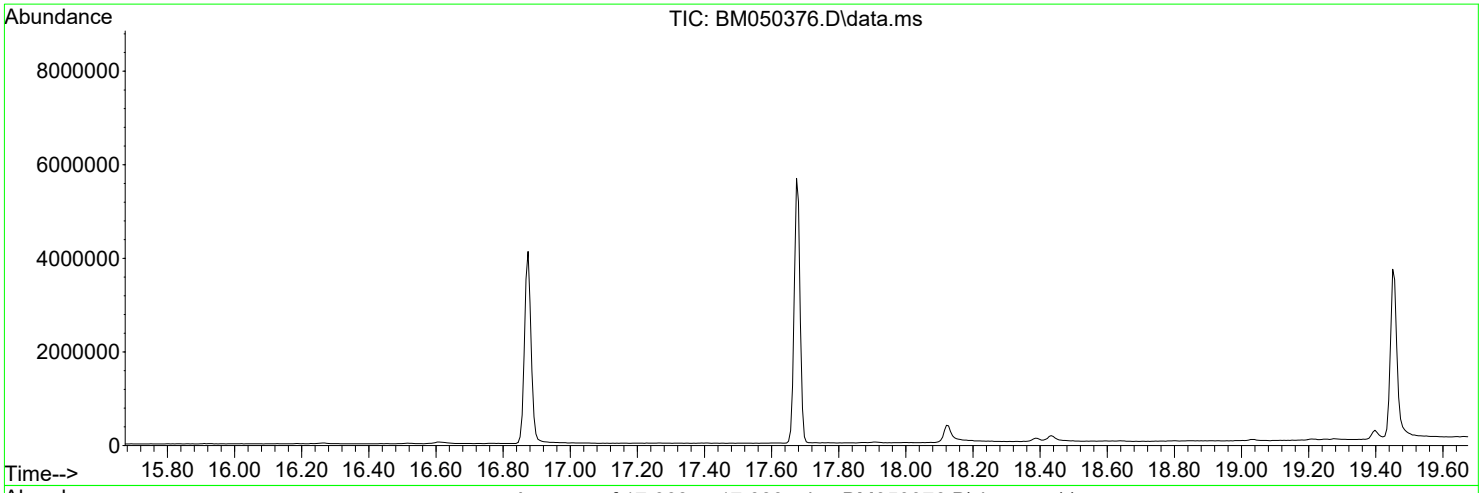
Sample Results: **BM050376.D**

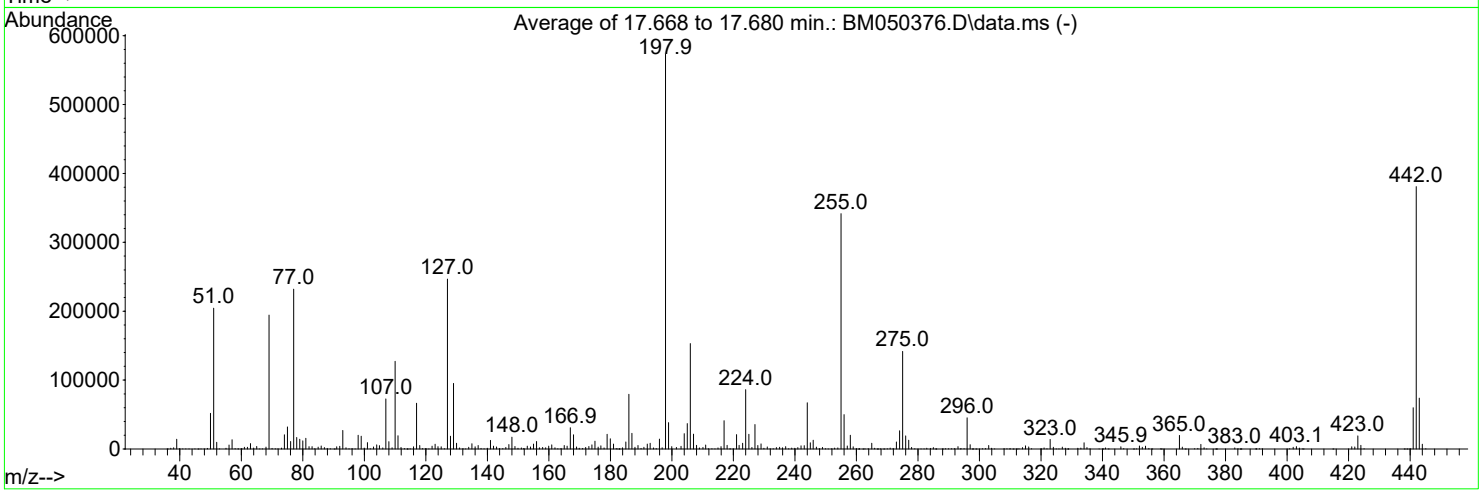
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050376.D
Acq On : 08 Jul 2025 11:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 08 18:32:25 2025




AutoFind: Scans 2496, 2497, 2498; Background Corrected with Scan 2489

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 68 | 69 | 0.00 | 2 | 1.5 | 2822 | PASS |
| 69 | 69 | 100 | 100 | 100.0 | 194463 | PASS |
| 70 | 69 | 0.00 | 2 | 0.5 | 943 | PASS |
| 197 | 198 | 0.00 | 2 | 0.3 | 1831 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 573141 | PASS |
| 199 | 198 | 5 | 9 | 6.7 | 38261 | PASS |
| 365 | 198 | 1 | 100 | 3.4 | 19723 | PASS |
| 441 | 443 | 0.01 | 150 | 81.4 | 60059 | PASS |
| 442 | 442 | 100 | 100 | 100.0 | 380992 | PASS |
| 443 | 442 | 15 | 24 | 19.4 | 73781 | PASS |

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 7/9/2025 | BNA_M | BM050376.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 1842274 | 20.692 |
| DDD | 18107 | 20.309 |
| DDE | 1079 | 19.75 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 19186 | 1861460 | 1.03 |
| | | |

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

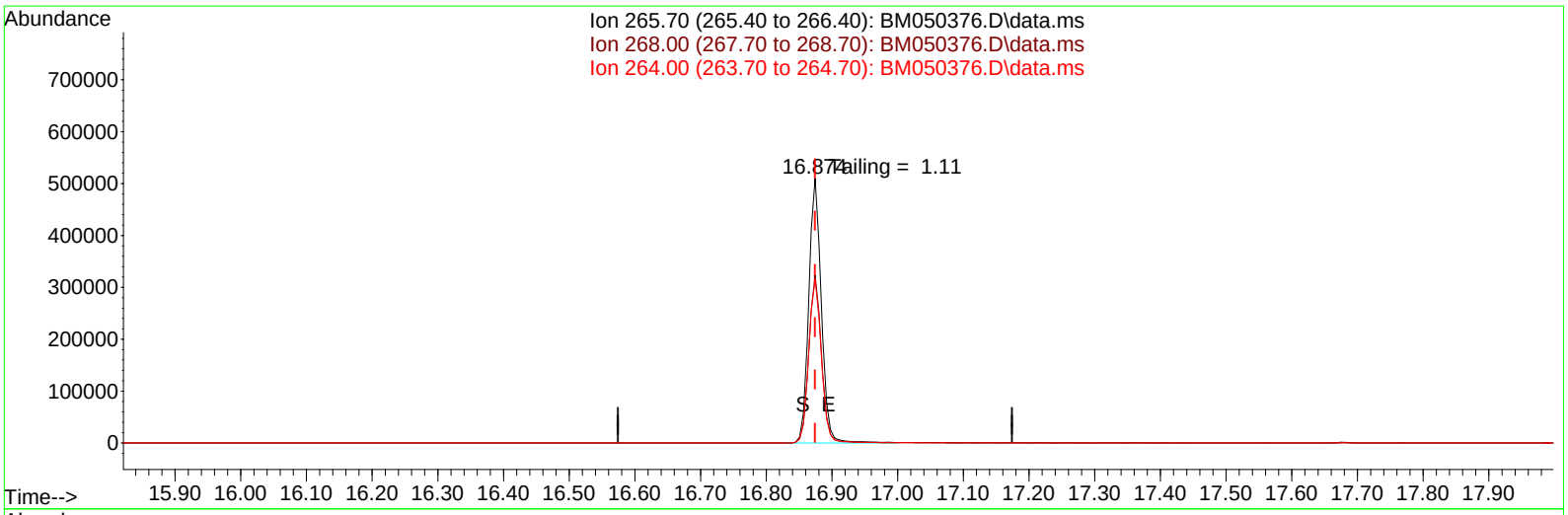
Quantitation Report (Qedit)

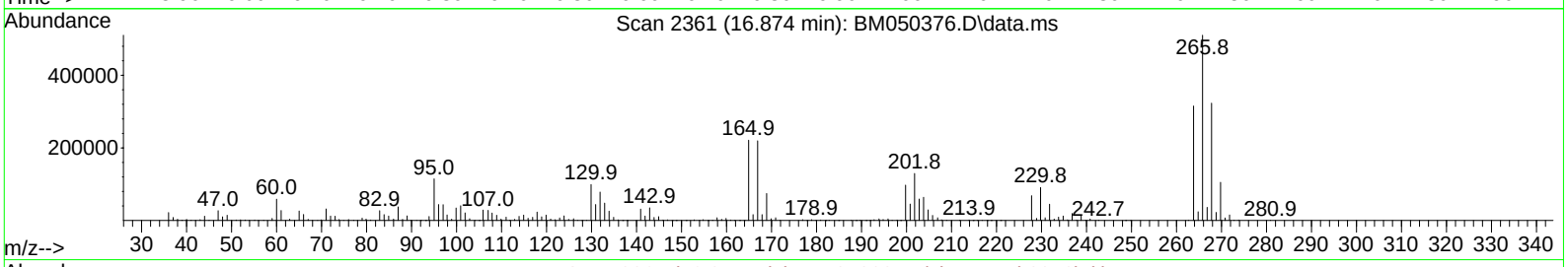
Sample Results: **BM050376.D**

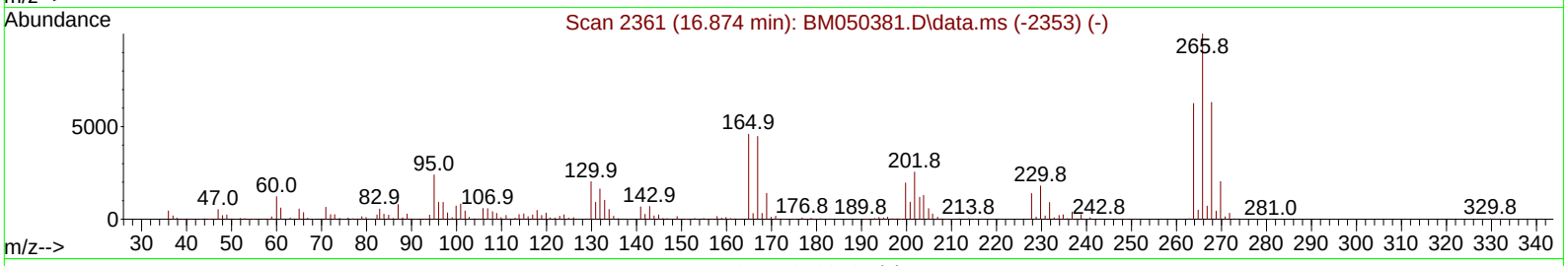
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050376.D
Acq On : 08 Jul 2025 11:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Quant Time: Jul 08 17:14:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 15:59:58 2025
Response via : Initial Calibration




TIC: BM050376.D\data.ms

**(70) Pentachlorophenol (C)**

**16.874min (+ 0.000) 0.00 ng**

**response 680595**

| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.10 | 63.37 |
| 264.00 | 62.40 | 61.79 |
| 0.00 | 0.00 | 0.00 |

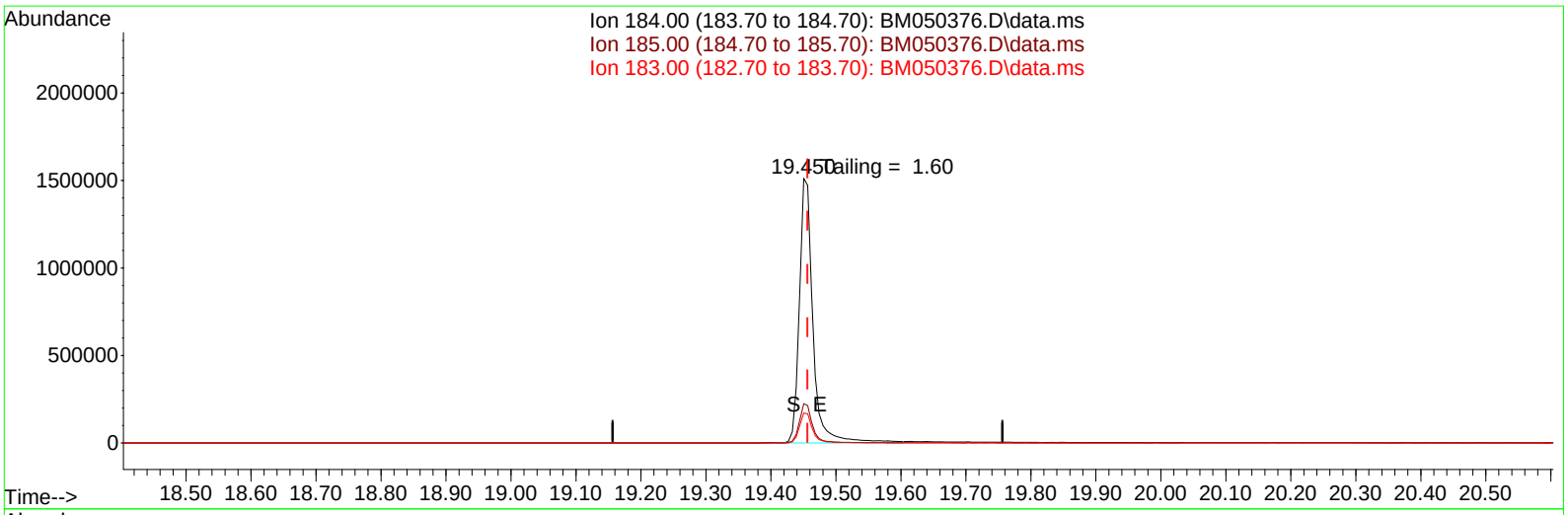
Quantitation Report (Qedit)

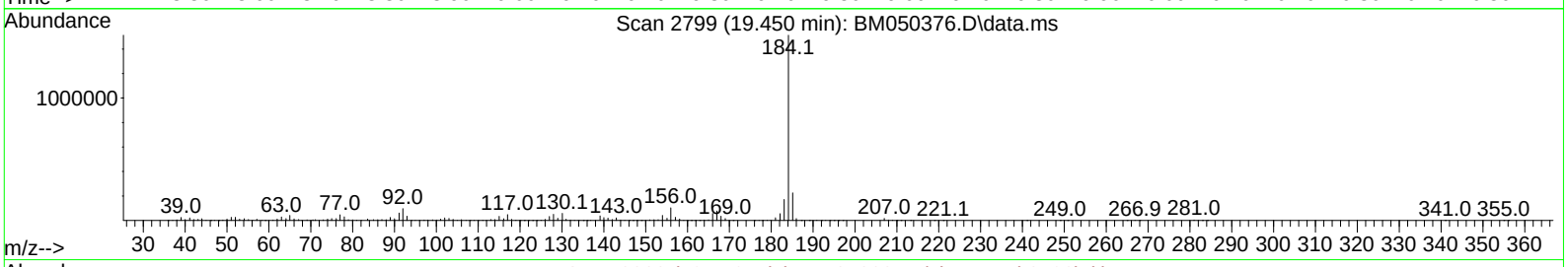
Sample Results: **BM050376.D**

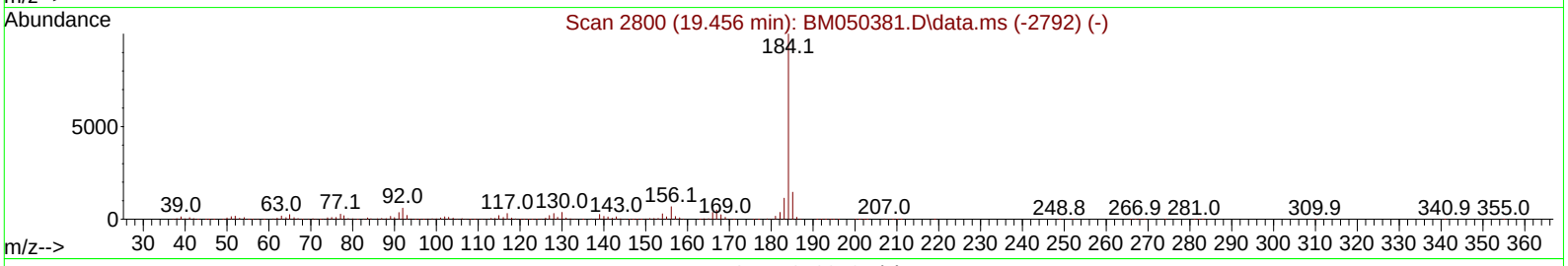
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050376.D
Acq On : 08 Jul 2025 11:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Quant Time: Jul 08 17:14:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 15:59:58 2025
Response via : Initial Calibration




TIC: BM050376.D\data.ms

**(77) Benzidine**

**19.450min (-0.006) 78341.13 ng**

**response 2201890**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.60 | 14.87 |
| 183.00 | 11.30 | 11.33 |
| 0.00 | 0.00 | 0.00 |

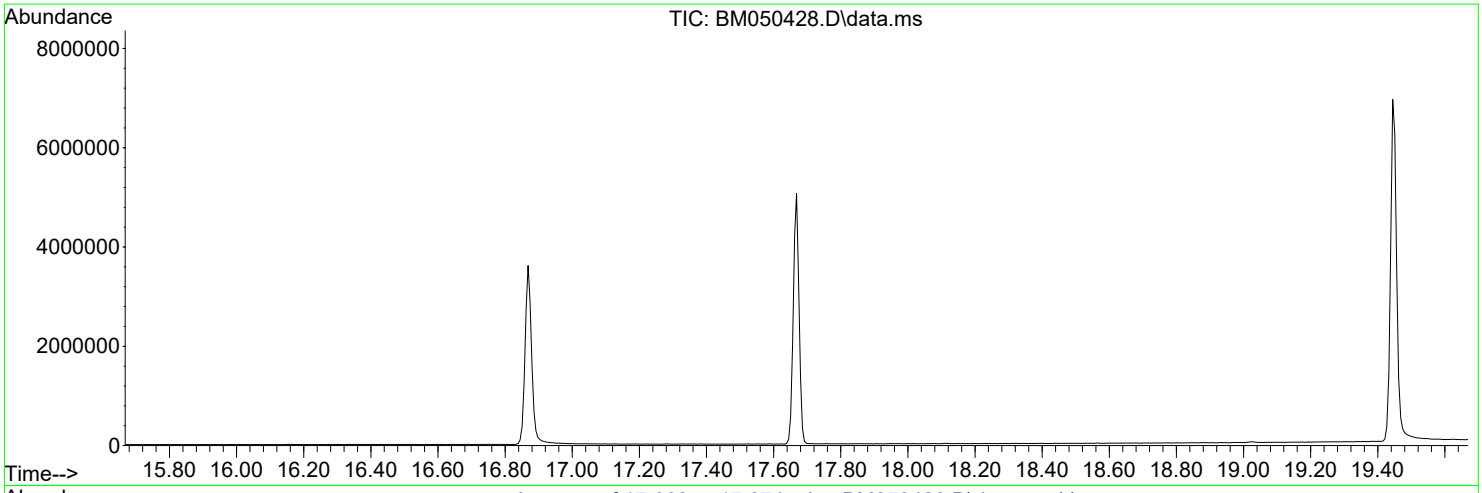
Sample Results: **BM050428.D**

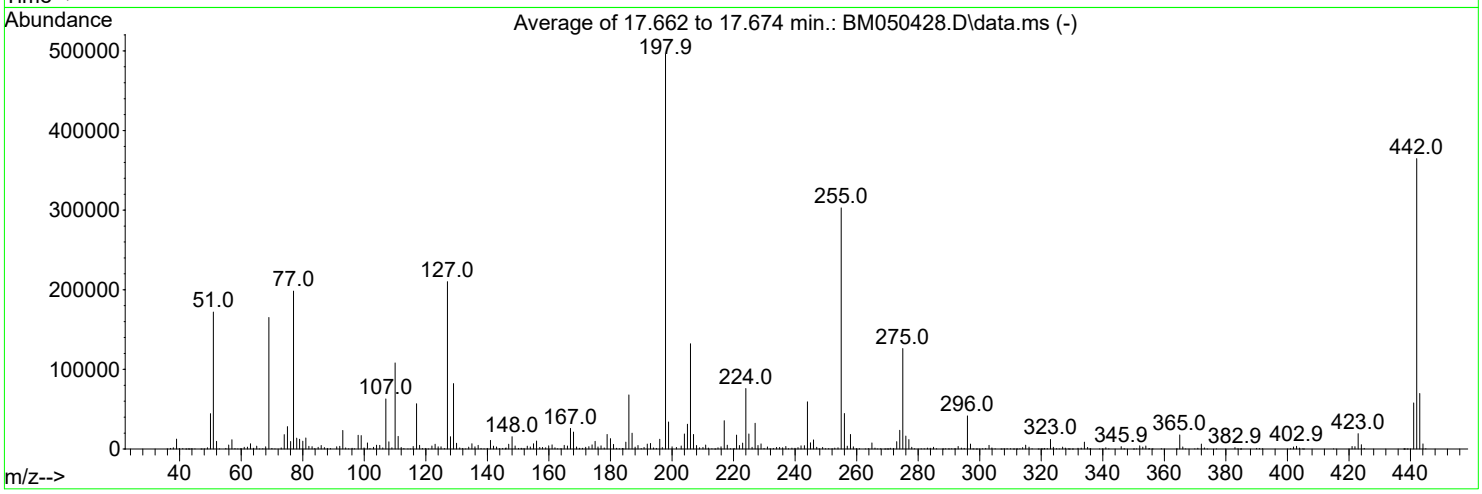
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
Data File : BM050428.D
Acq On : 14 Jul 2025 16:13
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 08 18:32:25 2025




AutoFind: Scans 2495, 2496, 2497; Background Corrected with Scan 2488

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 68 | 69 | 0.00 | 2 | 1.7 | 2833 | PASS |
| 69 | 69 | 100 | 100 | 100.0 | 165195 | PASS |
| 70 | 69 | 0.00 | 2 | 0.5 | 890 | PASS |
| 197 | 198 | 0.00 | 2 | 0.4 | 1830 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 495893 | PASS |
| 199 | 198 | 5 | 9 | 6.8 | 33952 | PASS |
| 365 | 198 | 1 | 100 | 3.6 | 17680 | PASS |
| 441 | 443 | 0.01 | 150 | 83.0 | 57923 | PASS |
| 442 | 442 | 100 | 100 | 100.0 | 364821 | PASS |
| 443 | 442 | 15 | 24 | 19.1 | 69816 | PASS |

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 7/14/2025 | BNA_M | BM050428.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 1716788 | 20.686 |
| DDD | 16726 | 20.297 |
| DDE | 873 | 19.745 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 17599 | 1734387 | 1.01 |
| | | |

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

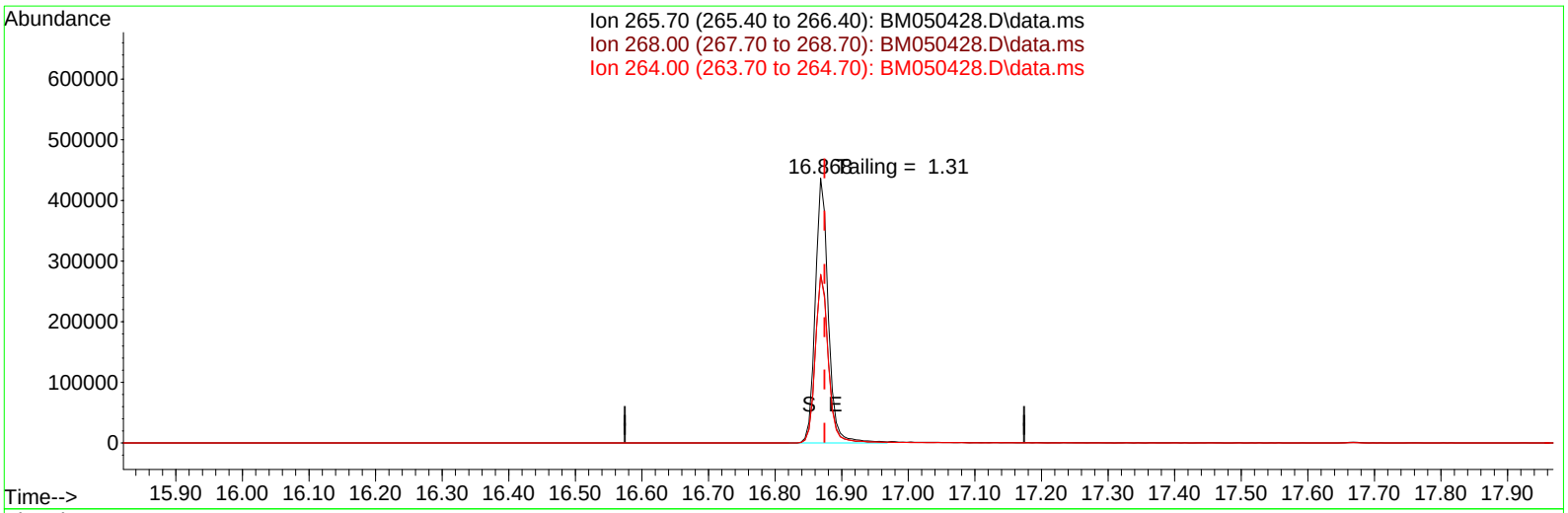
Quantitation Report (Qedit)

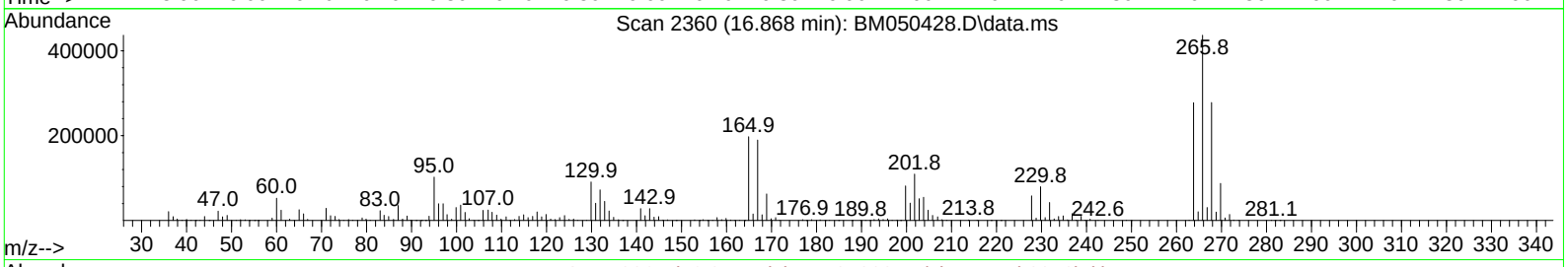
Sample Results: **BM050428.D**

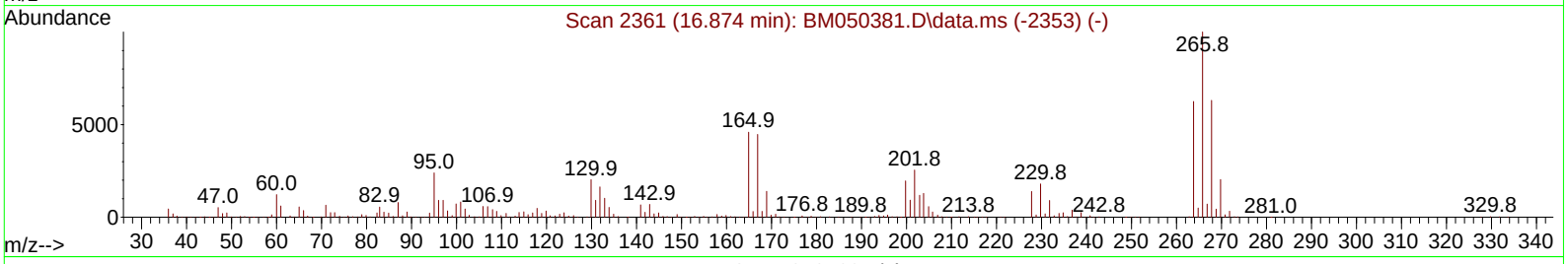
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
Data File : BM050428.D
Acq On : 14 Jul 2025 16:13
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Quant Time: Jul 14 17:12:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration




TIC: BM050428.D\data.ms

**(70) Pentachlorophenol (C)**

**16.868min (-0.006) 260244.76 ng**

**response 592386**

| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.10 | 63.71 |
| 264.00 | 62.40 | 63.58 |
| 0.00 | 0.00 | 0.00 |

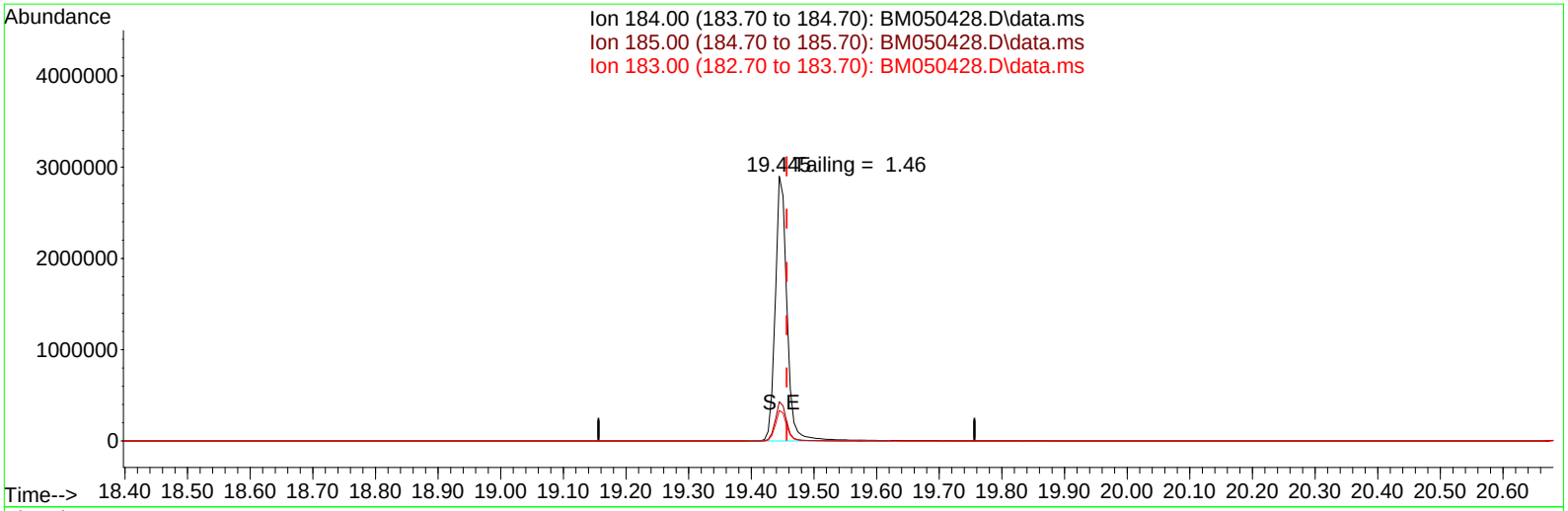
Quantitation Report (Qedit)

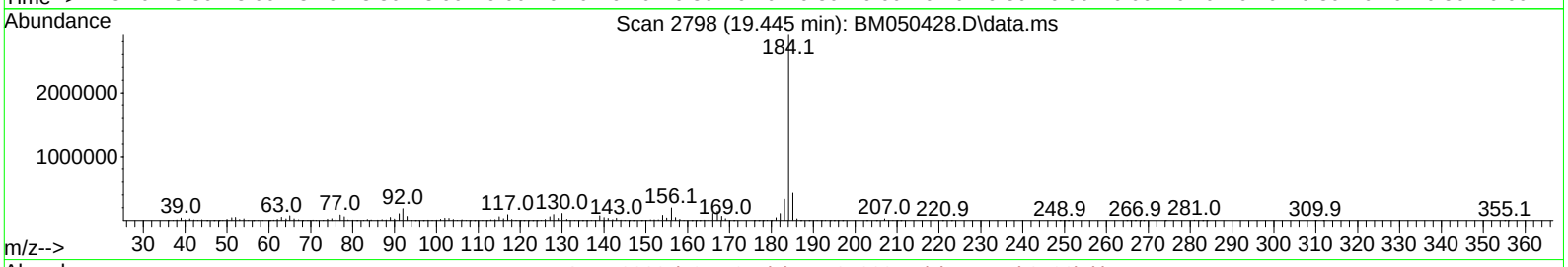
Sample Results: **BM050428.D**

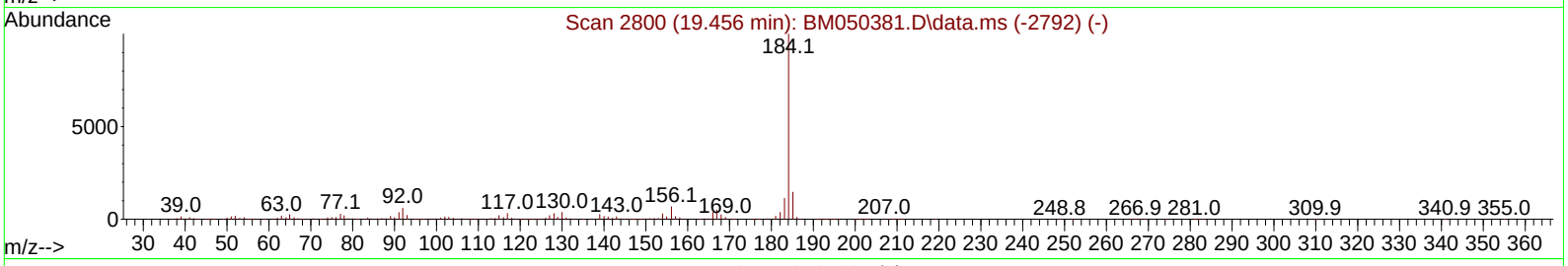
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
Data File : BM050428.D
Acq On : 14 Jul 2025 16:13
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Quant Time: Jul 14 17:12:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration




TIC: BM050428.D\data.ms

**(77) Benzidine**

**19.445min (-0.012) 218557.17 ng**

**response 3796306**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.60 | 14.78 |
| 183.00 | 11.30 | 11.50 |
| 0.00 | 0.00 | 0.00 |

Raw Data: **BF143051.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | |
| Client Sample ID: | PB168750BL | SDG No.: | Q2489 |
| Lab Sample ID: | PB168750BL | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143051.D | 1 | 07/07/25 11:15 | 07/09/25 12:24 | PB168750 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 1.30 | U | 1.30 | 5.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.53 | U | 0.53 | 5.00 | ug/L |
| 95-48-7 | 2-Methylphenol | 1.10 | U | 1.10 | 5.00 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 1.10 | U | 1.10 | 10.0 | ug/L |
| 67-72-1 | Hexachloroethane | 0.65 | U | 0.65 | 5.00 | ug/L |
| 98-95-3 | Nitrobenzene | 0.76 | U | 0.76 | 5.00 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.54 | U | 0.54 | 5.00 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 0.51 | U | 0.51 | 5.00 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 0.62 | U | 0.62 | 5.00 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 1.20 | U | 1.20 | 5.00 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.52 | U | 0.52 | 5.00 | ug/L |
| 87-86-5 | Pentachlorophenol | 1.60 | U | 1.60 | 10.0 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 125 | | 23 - 138 | 84% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 126 | | 10 - 134 | 84% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 79.2 | | 67 - 132 | 79% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 78.7 | | 52 - 132 | 79% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 129 | | 44 - 137 | 86% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 86.3 | | 42 - 152 | 86% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 58600 | 6.869 | | | |
| 1146-65-2 | Naphthalene-d8 | 223000 | 8.157 | | | |
| 15067-26-2 | Acenaphthene-d10 | 120000 | 9.916 | | | |
| 1517-22-2 | Phenanthrene-d10 | 210000 | 11.404 | | | |
| 1719-03-5 | Chrysene-d12 | 109000 | 14.051 | | | |
| 1520-96-3 | Perylene-d12 | 120000 | 15.545 | | | |

Raw Data: **BF143051.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | |
| Client Sample ID: | PB168750BL | SDG No.: | Q2489 |
| Lab Sample ID: | PB168750BL | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143051.D | 1 | 07/07/25 11:15 | 07/09/25 12:24 | PB168750 |

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

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

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

Sample Results: **BF143051.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143051.D
Acq On : 09 Jul 2025 12:24
Operator : RC/JU
Sample : PB168750BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BL

Quant Time: Jul 09 12:45:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.869 | 152 | 58608 | 20.000 | ng | -0.01 |
| 21) Naphthalene-d8 | 8.157 | 136 | 223429 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 120074 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 209574 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.051 | 240 | 109296 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 119678 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.504 | 112 | 441344 | 125.376 | ng | 0.01 |
| 7) Phenol-d6 | 6.504 | 99 | 522633 | 125.842 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 322776 | 79.240 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 159473 | 129.061 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 719775 | 78.747 | ng | -0.01 |
| 79) Terphenyl-d14 | 12.992 | 244 | 683043 | 86.349 | ng | 0.00 |

Target Compounds Qvalue

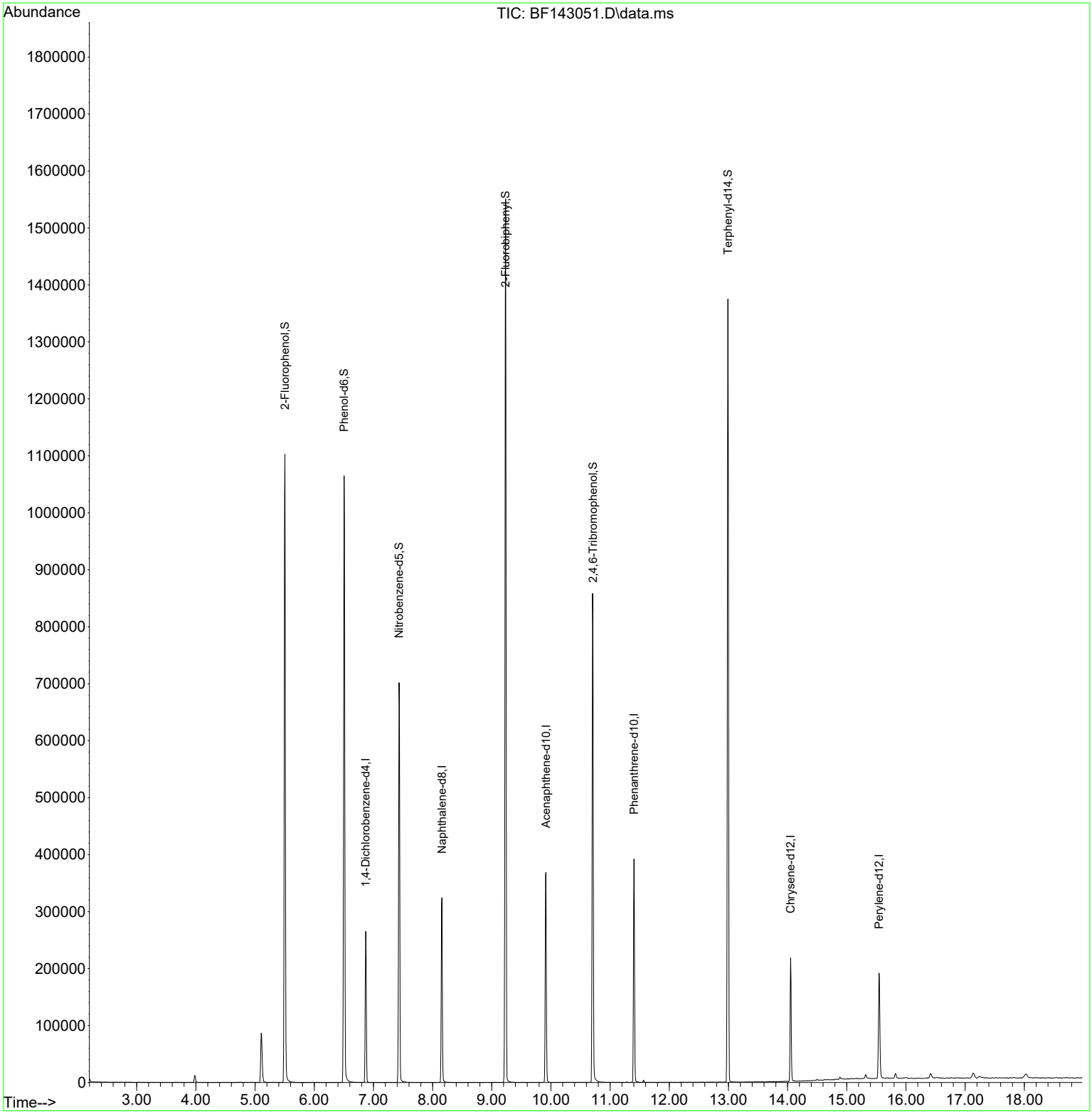
(#) = qualifier out of range (m) = manual integration (+) = signals summed

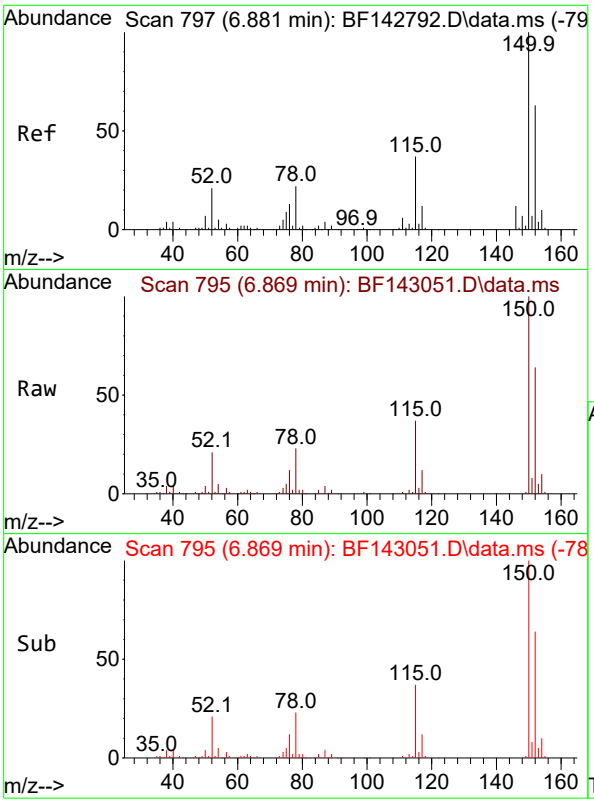
Sample Results: **BF143051.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143051.D
Acq On : 09 Jul 2025 12:24
Operator : RC/JU
Sample : PB168750BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BL

Quant Time: Jul 09 12:45:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



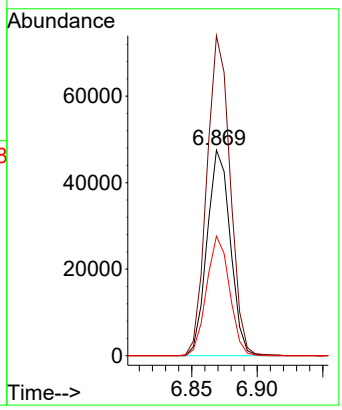


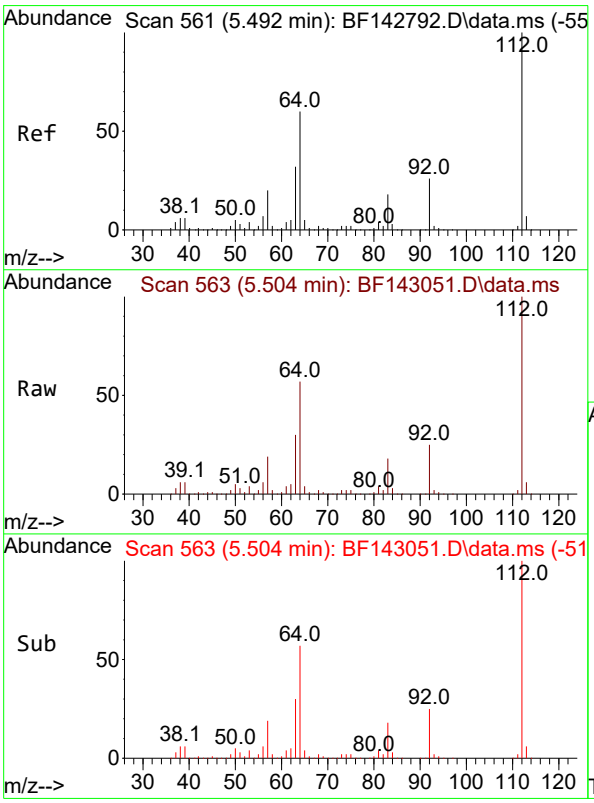

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BL

Tgt Ion:152 Resp: 58608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.6 | 127.2 | 190.8 |
| 115 | 58.1 | 46.6 | 69.8 |

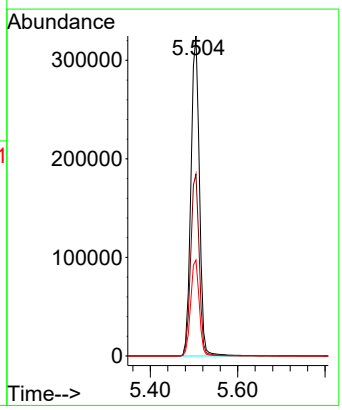


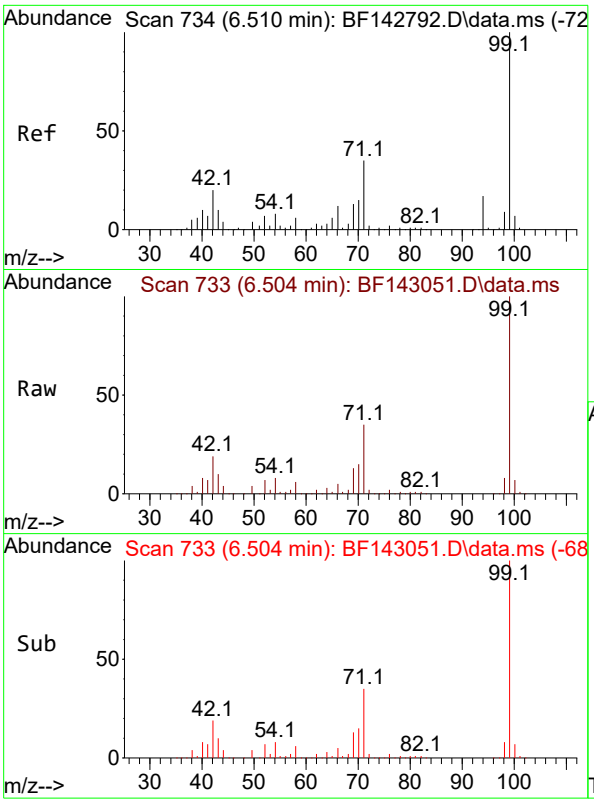




#5
2-Fluorophenol
Concen: 125.376 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

Tgt Ion:112 Resp: 441344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.8 | 48.2 | 72.2 |
| 63 | 30.0 | 25.7 | 38.5 |



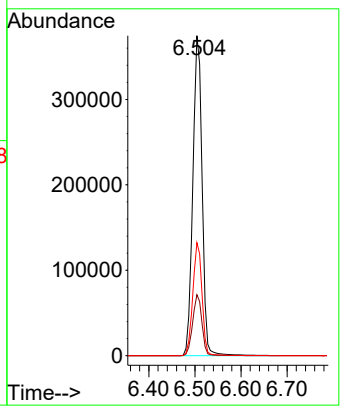


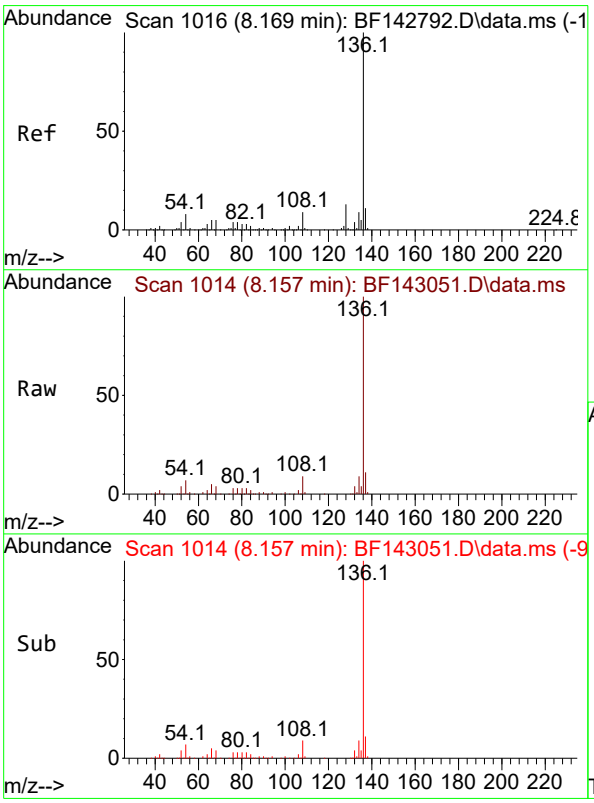

#7
Phenol-d6
Concen: 125.842 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BL

Tgt Ion: 99 Resp: 522633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.1 | 15.9 | 23.9 |
| 71 | 35.3 | 27.8 | 41.8 |

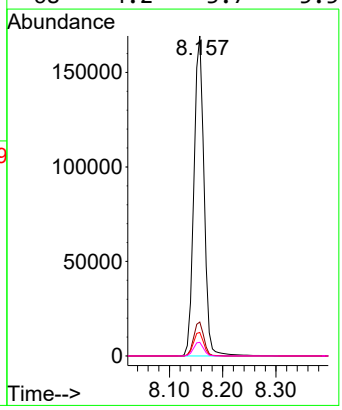


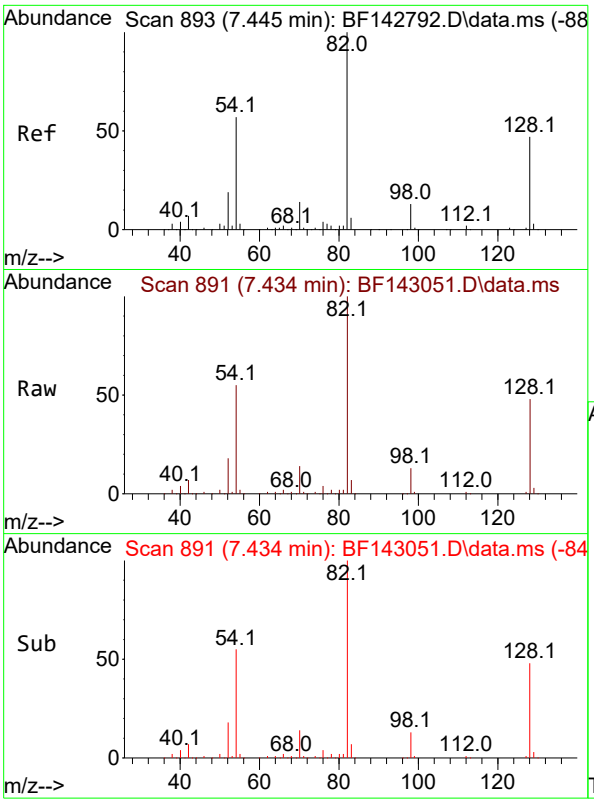




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

Tgt Ion:136 Resp: 223429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.4 | 12.6 |
| 54 | 7.4 | 6.3 | 9.5 |
| 68 | 4.2 | 3.7 | 5.5 |



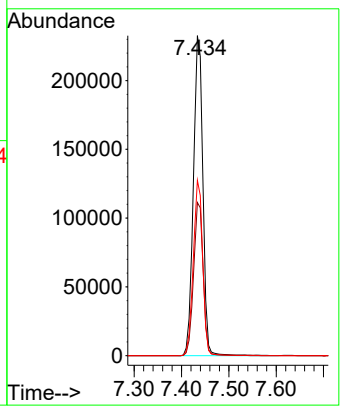


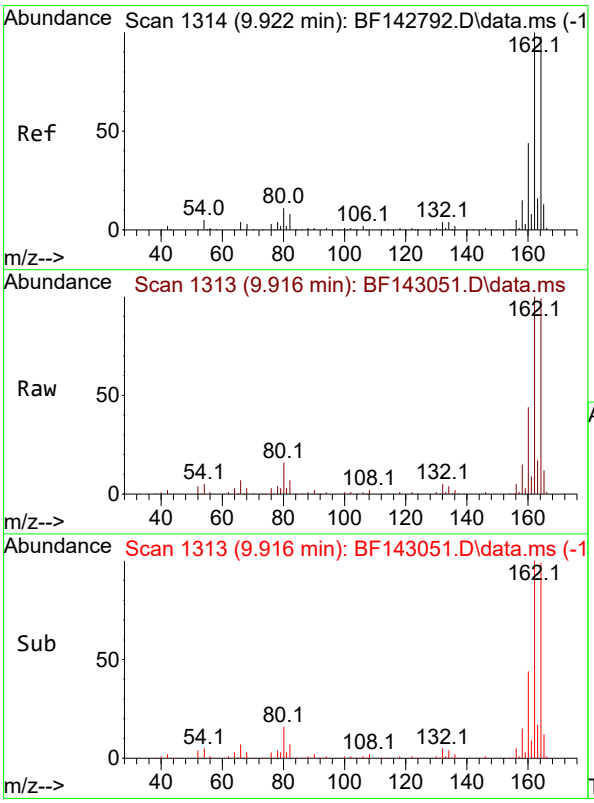

#23
Nitrobenzene-d5
Concen: 79.240 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BL

Tgt Ion: 82 Resp: 322776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.8 | 37.7 | 56.5 |
| 54 | 54.8 | 45.7 | 68.5 |

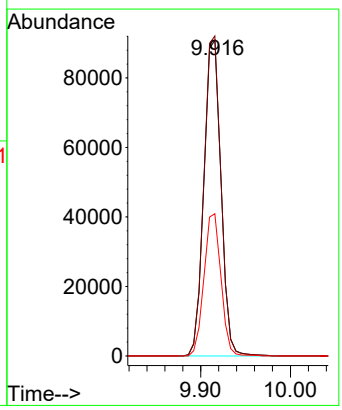


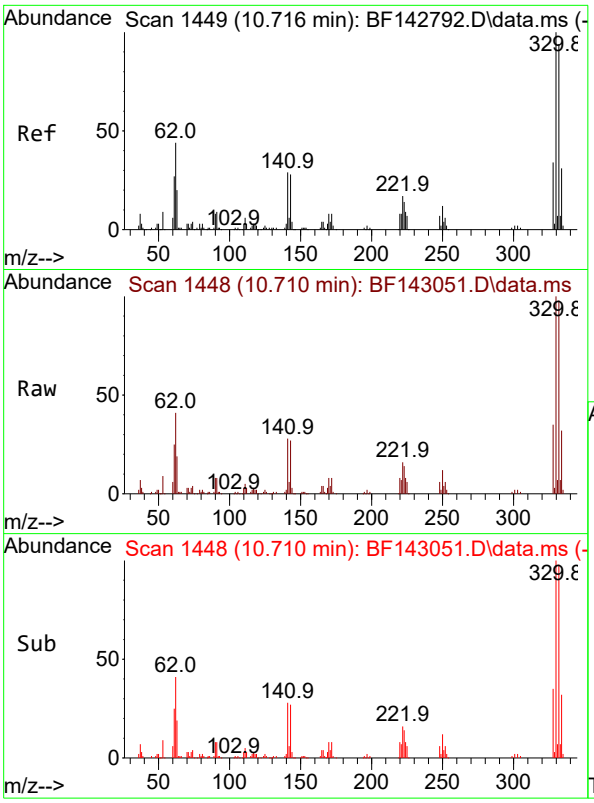




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

Tgt Ion:164 Resp: 120074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.4 | 81.8 | 122.8 |
| 160 | 45.1 | 36.0 | 54.0 |



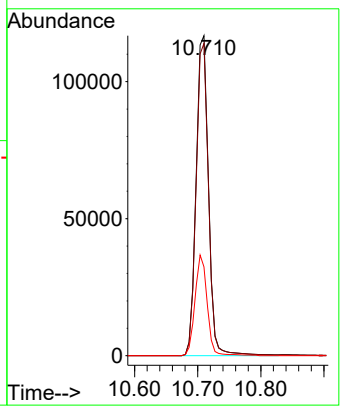


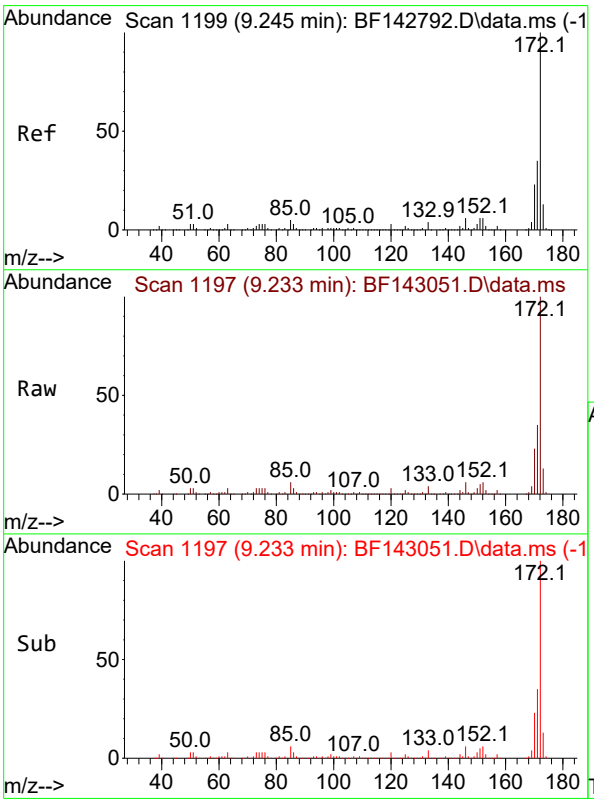

#42
2,4,6-Tribromophenol
Concen: 129.061 ng
RT: 10.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BL

Tgt Ion:330 Resp: 159473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.7 | 75.0 | 112.6 |
| 141 | 30.8 | 25.3 | 37.9 |

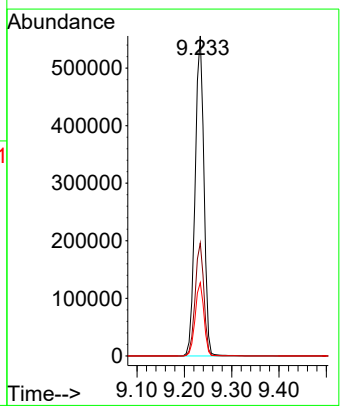


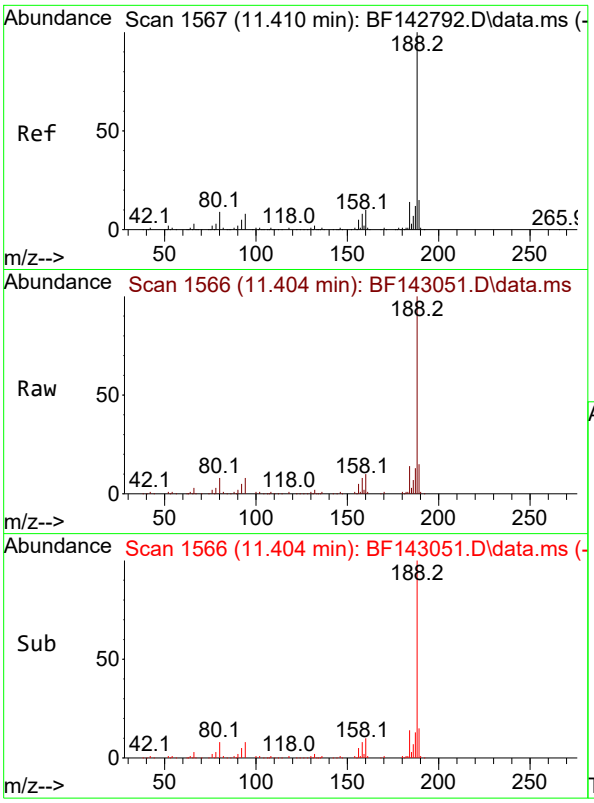




#45
2-Fluorobiphenyl
Concen: 78.747 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

Tgt Ion:172 Resp: 719775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.2 | 42.4 |
| 170 | 22.9 | 18.5 | 27.7 |



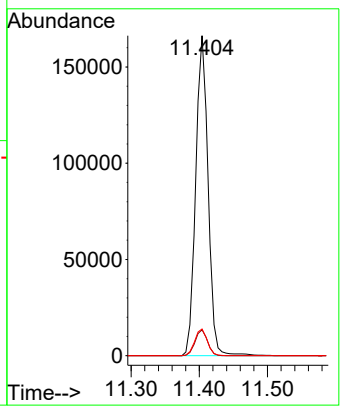


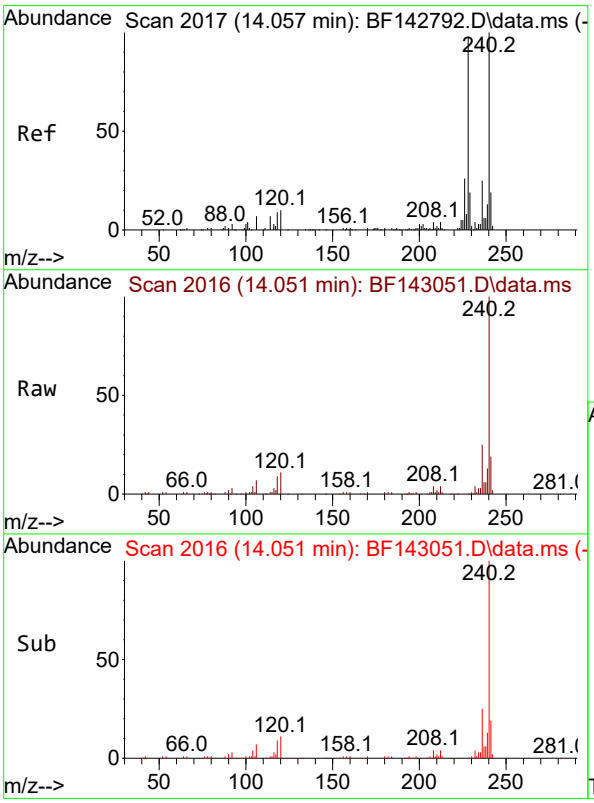

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BL

Tgt Ion:188 Resp: 209574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.1 | 6.7 | 10.1 |
| 80 | 8.3 | 6.9 | 10.3 |

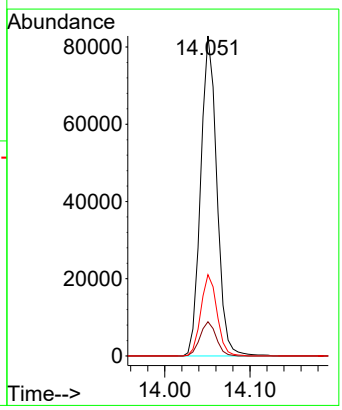


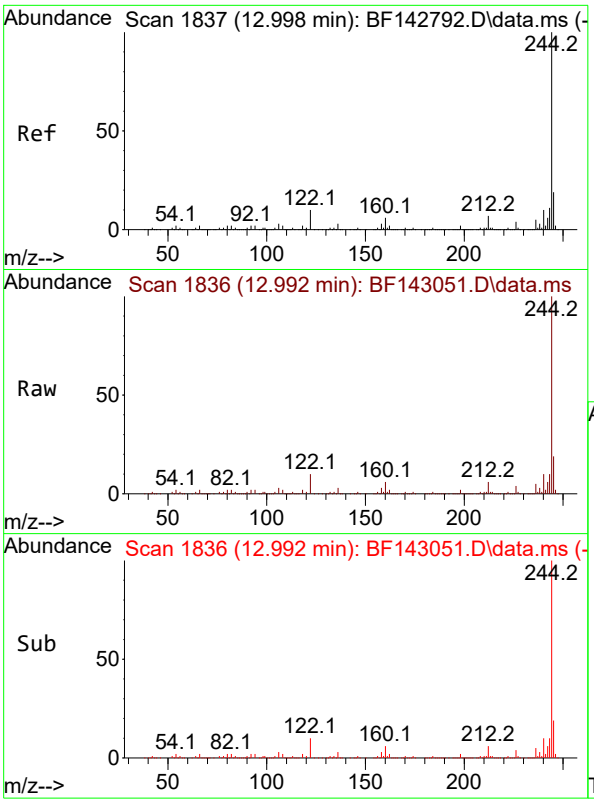




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

Tgt Ion:240 Resp: 109296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.7 | 8.2 | 12.2 |
| 236 | 25.4 | 19.8 | 29.8 |



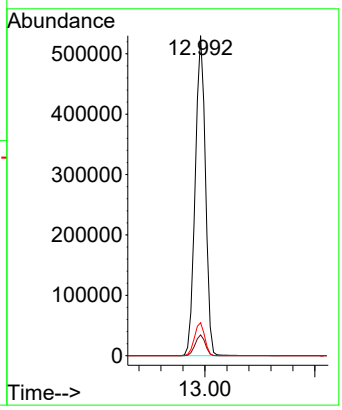


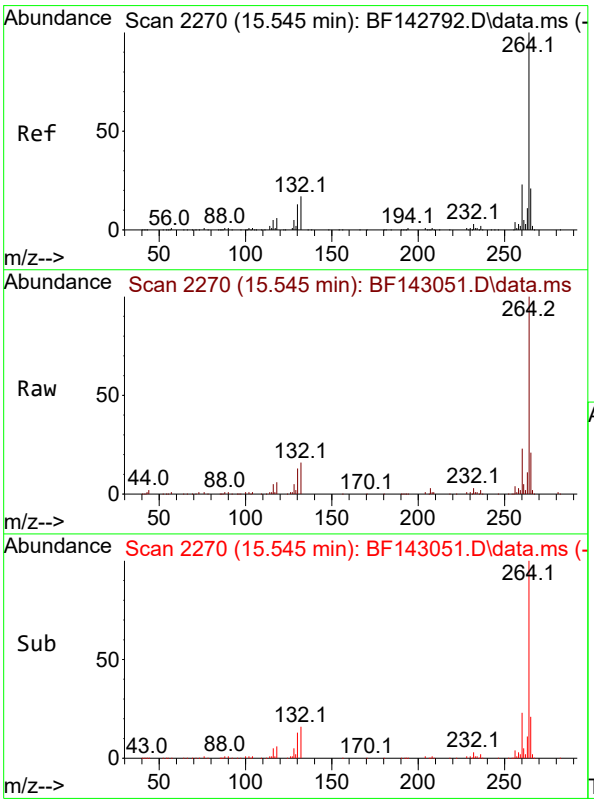

#79
Terphenyl-d14
Concen: 86.349 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BL

Tgt Ion:244 Resp: 683043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.5 | 5.4 | 8.0 |
| 122 | 10.3 | 8.2 | 12.2 |

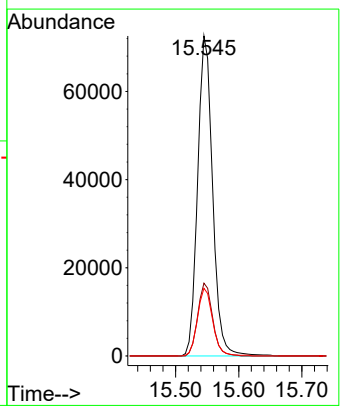



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

Tgt Ion:264 Resp: 119678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.8 | 18.1 | 27.1 |
| 265 | 21.2 | 16.6 | 25.0 |



Raw Data: **BF143052.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | |
| Client Sample ID: | PB168750BS | SDG No.: | Q2489 |
| Lab Sample ID: | PB168750BS | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143052.D | 1 | 07/07/25 11:15 | 07/09/25 12:54 | PB168750 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 38.4 | | 1.30 | 5.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 43.6 | | 0.53 | 5.00 | ug/L |
| 95-48-7 | 2-Methylphenol | 45.1 | | 1.10 | 5.00 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 46.0 | | 1.10 | 10.0 | ug/L |
| 67-72-1 | Hexachloroethane | 43.2 | | 0.65 | 5.00 | ug/L |
| 98-95-3 | Nitrobenzene | 43.4 | | 0.76 | 5.00 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 44.4 | | 0.54 | 5.00 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 42.2 | | 0.51 | 5.00 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 44.0 | | 0.62 | 5.00 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 47.5 | | 1.20 | 5.00 | ug/L |
| 118-74-1 | Hexachlorobenzene | 47.4 | | 0.52 | 5.00 | ug/L |
| 87-86-5 | Pentachlorophenol | 77.0 | | 1.60 | 10.0 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 125 | | 23 - 138 | 83% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 126 | | 10 - 134 | 84% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 78.9 | | 67 - 132 | 79% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 80.7 | | 52 - 132 | 81% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 135 | | 44 - 137 | 90% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 86.3 | | 42 - 152 | 86% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 56800 | 6.875 | | | |
| 1146-65-2 | Naphthalene-d8 | 215000 | 8.157 | | | |
| 15067-26-2 | Acenaphthene-d10 | 112000 | 9.916 | | | |
| 1517-22-2 | Phenanthrene-d10 | 187000 | 11.404 | | | |
| 1719-03-5 | Chrysene-d12 | 95300 | 14.057 | | | |
| 1520-96-3 | Perylene-d12 | 120000 | 15.551 | | | |

Raw Data: **BF143052.D**

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | | | Date Collected: | |
| Project: | Construction of Shafts 17B-18B - PN 220084 | | | Date Received: | |
| Client Sample ID: | PB168750BS | | | SDG No.: | Q2489 |
| Lab Sample ID: | PB168750BS | | | Matrix: | TCLP |
| Analytical Method: | 8270E | | | % Solid: | 0 |
| Sample Wt/Vol: | 1000 | Units: | mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | TCLP BNA |
| Extraction Type : | | Decanted : | N | Level : | LOW |
| Injection Volume : | | GPC Factor : | 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143052.D | 1 | 07/07/25 11:15 | 07/09/25 12:54 | PB168750 |

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

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

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

Sample Results: **BF143052.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143052.D
Acq On : 09 Jul 2025 12:54
Operator : RC/JU
Sample : PB168750BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Quant Time: Jul 09 13:29:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 56794 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 214539 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 112458 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 186535 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.057 | 240 | 95347 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.551 | 264 | 120157 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.504 | 112 | 426340 | 124.982 | ng | | 0.01 |
| 7) Phenol-d6 | 6.510 | 99 | 505681 | 125.649 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.440 | 82 | 308602 | 78.900 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 155731 | 134.568 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.234 | 172 | 690721 | 80.686 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.992 | 244 | 595381 | 86.278 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.716 | 88 | 48675 | 35.675 | ng | | 99 |
| 3) Pyridine | 3.475 | 79 | 131179 | 38.351 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.434 | 42 | 72068 | 40.744 | ng | | 96 |
| 6) Aniline | 6.534 | 93 | 194415 | 36.305 | ng | # | 69 |
| 8) 2-Chlorophenol | 6.657 | 128 | 165209 | 44.897 | ng | | 99 |
| 9) Benzaldehyde | 6.422 | 77 | 102046 | 42.739 | ng | | 99 |
| 10) Phenol | 6.522 | 94 | 192952 | 43.131 | ng | | 85 |
| 11) bis(2-Chloroethyl)ether | 6.604 | 93 | 140095 | 43.816 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.810 | 146 | 177878 | 43.223 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.893 | 146 | 181148 | 43.629 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.040 | 146 | 170255 | 43.232 | ng | | 98 |
| 15) Benzyl Alcohol | 7.016 | 79 | 130183 | 44.744 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.146 | 45 | 203469 | 39.609 | ng | | 81 |
| 17) 2-Methylphenol | 7.134 | 107 | 125670 | 45.066 | ng | | 95 |
| 18) Hexachloroethane | 7.381 | 117 | 62809 | 43.249 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.287 | 70 | 104292 | 44.556 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.287 | 107 | 159830 | 45.970 | ng | | 96 |
| 22) Acetophenone | 7.281 | 105 | 214673 | 45.376 | ng | | 99 |
| 24) Nitrobenzene | 7.457 | 77 | 153515 | 43.364 | ng | | 98 |
| 25) Isophorone | 7.698 | 82 | 279937 | 44.616 | ng | | 100 |
| 26) 2-Nitrophenol | 7.775 | 139 | 90174 | 46.760 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.810 | 122 | 149929m | 44.884 | ng | | |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93 | 176073 | 44.140 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.022 | 162 | 138790 | 45.823 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.098 | 180 | 145173 | 43.589 | ng | | 99 |
| 31) Naphthalene | 8.181 | 128 | 467109 | 44.481 | ng | | 100 |
| 32) Benzoic acid | 7.940 | 122 | 69596 | 40.877 | ng | | 99 |
| 33) 4-Chloroaniline | 8.228 | 127 | 109926 | 25.744 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.292 | 225 | 90524 | 44.435 | ng | | 98 |
| 35) Caprolactam | 8.604 | 113 | 39019m | 48.820 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.716 | 107 | 139043 | 46.191 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.869 | 142 | 293943 | 45.149 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.969 | 142 | 301516 | 44.739 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 9.040 | 216 | 149486 | 45.049 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 142408 | 75.626 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.157 | 196 | 91324 | 42.235 | ng | | 99 |

Sample Results: **BF143052.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143052.D
Acq On : 09 Jul 2025 12:54
Operator : RC/JU
Sample : PB168750BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Quant Time: Jul 09 13:29:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.198 | 196 | 100167 | 44.007 ng | 100 |
| 46) 1,1'-Biphenyl | 9.334 | 154 | 406969 | 45.811 ng | 99 |
| 47) 2-Chloronaphthalene | 9.363 | 162 | 298312 | 44.748 ng | 99 |
| 48) 2-Nitroaniline | 9.463 | 65 | 84665 | 45.300 ng | 94 |
| 49) Acenaphthylene | 9.781 | 152 | 496079 | 45.203 ng | 100 |
| 50) Dimethylphthalate | 9.639 | 163 | 346580 | 47.611 ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.704 | 165 | 75902 | 47.479 ng | 97 |
| 52) Acenaphthene | 9.951 | 154 | 331552m | 49.517 ng | |
| 53) 3-Nitroaniline | 9.875 | 138 | 57210 | 32.504 ng | 98 |
| 54) 2,4-Dinitrophenol | 9.992 | 184 | 72852 | 91.012 ng | 94 |
| 55) Dibenzofuran | 10.122 | 168 | 433030 | 45.100 ng | 100 |
| 56) 4-Nitrophenol | 10.045 | 139 | 89195 | 74.022 ng | 99 |
| 57) 2,4-Dinitrotoluene | 10.110 | 165 | 100952 | 47.541 ng | 93 |
| 58) Fluorene | 10.469 | 166 | 347381 | 46.326 ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232 | 84193 | 45.889 ng | 95 |
| 60) Diethylphthalate | 10.339 | 149 | 339999 | 47.636 ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204 | 165430 | 46.232 ng | 99 |
| 62) 4-Nitroaniline | 10.492 | 138 | 73644 | 45.749 ng | 97 |
| 63) Azobenzene | 10.616 | 77 | 292044 | 45.781 ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.528 | 198 | 52422 | 46.462 ng | 97 |
| 66) n-Nitrosodiphenylamine | 10.575 | 169 | 300094 | 46.419 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248 | 99688 | 46.957 ng | 95 |
| 68) Hexachlorobenzene | 11.016 | 284 | 111735 | 47.367 ng | 99 |
| 69) Atrazine | 11.104 | 200 | 84787 | 50.788 ng | 100 |
| 70) Pentachlorophenol | 11.216 | 266 | 90462 | 76.959 ng | 99 |
| 71) Phenanthrene | 11.433 | 178 | 467137 | 46.230 ng | 100 |
| 72) Anthracene | 11.486 | 178 | 478957 | 46.217 ng | 100 |
| 73) Carbazole | 11.639 | 167 | 409036 | 45.738 ng | 100 |
| 74) Di-n-butylphthalate | 11.963 | 149 | 461555 | 49.542 ng | 99 |
| 75) Fluoranthene | 12.622 | 202 | 430822 | 44.925 ng | 100 |
| 77) Benzidine | 12.745 | 184 | 167006 | 46.620 ng | 99 |
| 78) Pyrene | 12.851 | 202 | 425324 | 47.590 ng | 99 |
| 80) Butylbenzylphthalate | 13.463 | 149 | 129463 | 49.938 ng | 97 |
| 81) Benzo(a)anthracene | 14.045 | 228 | 303507 | 47.186 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.004 | 252 | 62521 | 29.967 ng | 98 |
| 83) Chrysene | 14.080 | 228 | 269701 | 46.990 ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.022 | 149 | 188801 | 50.617 ng | 99 |
| 85) Di-n-octyl phthalate | 14.633 | 149 | 361435 | 51.389 ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.074 | 276 | 410655 | 44.869 ng | 98 |
| 88) Benzo(b)fluoranthene | 15.110 | 252 | 308004 | 44.299 ng | 99 |
| 89) Benzo(k)fluoranthene | 15.139 | 252 | 310901 | 47.795 ng | 99 |
| 90) Benzo(a)pyrene | 15.486 | 252 | 314463 | 46.817 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.086 | 278 | 332919 | 44.769 ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.533 | 276 | 324667 | 43.784 ng | 98 |

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

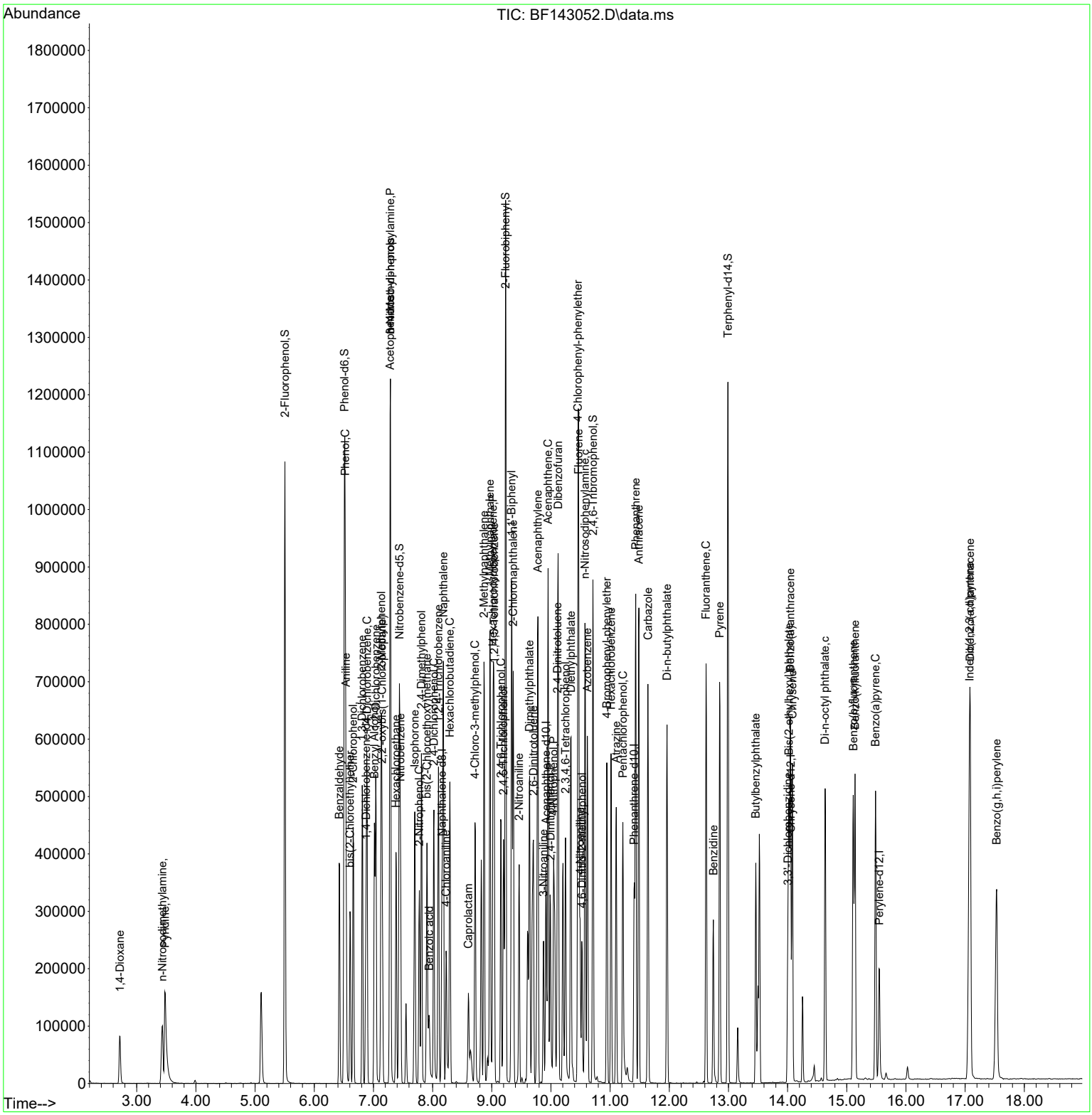
Quantitation Report (QT Reviewed)

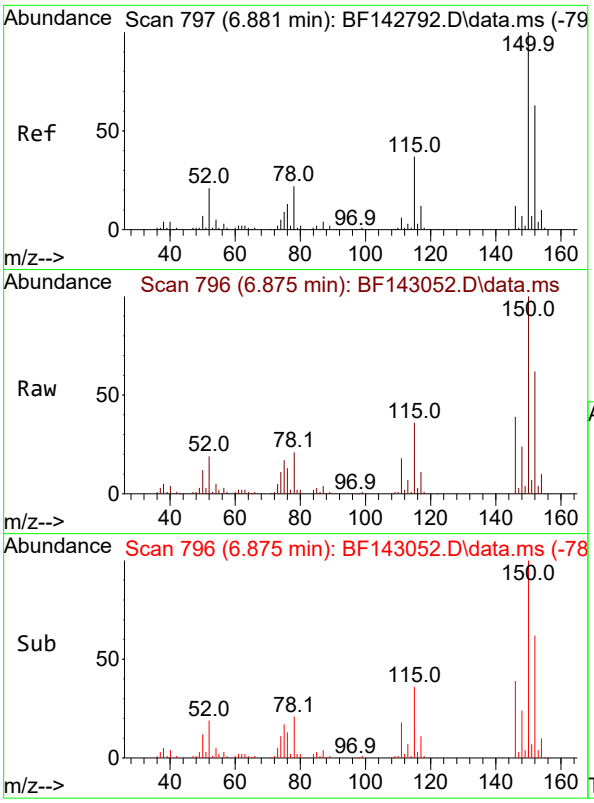
Sample Results: **BF143052.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143052.D
Acq On : 09 Jul 2025 12:54
Operator : RC/JU
Sample : PB168750BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Quant Time: Jul 09 13:29:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



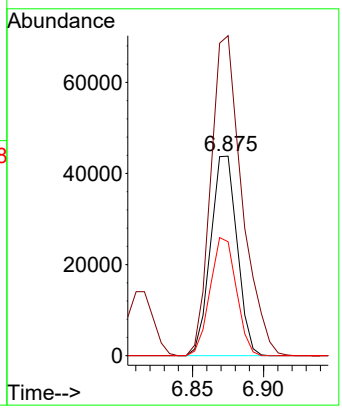


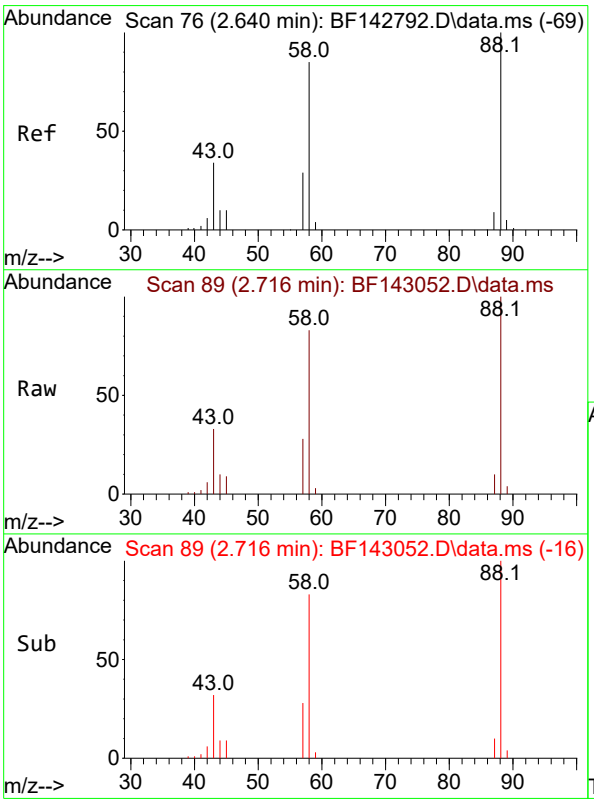

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:152 Resp: 56794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.4 | 127.2 | 190.8 |
| 115 | 57.1 | 46.6 | 69.8 |

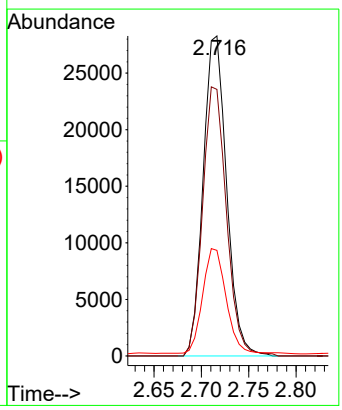


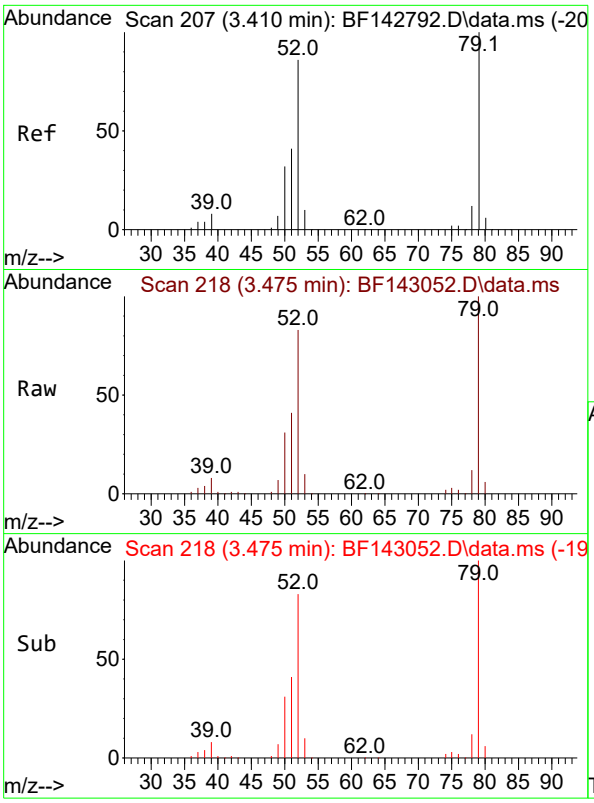




#2
1,4-Dioxane
Concen: 35.675 ng
RT: 2.716 min Scan# 89
Delta R.T. 0.077 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion: 88 Resp: 48675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 85.7 | 69.1 | 103.7 |
| 43 | 33.3 | 27.4 | 41.2 |



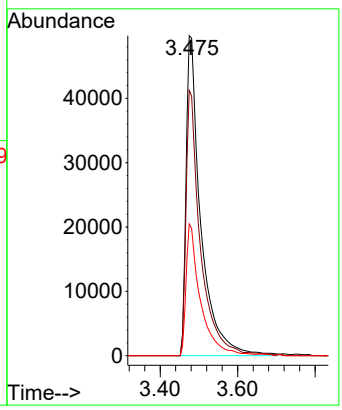


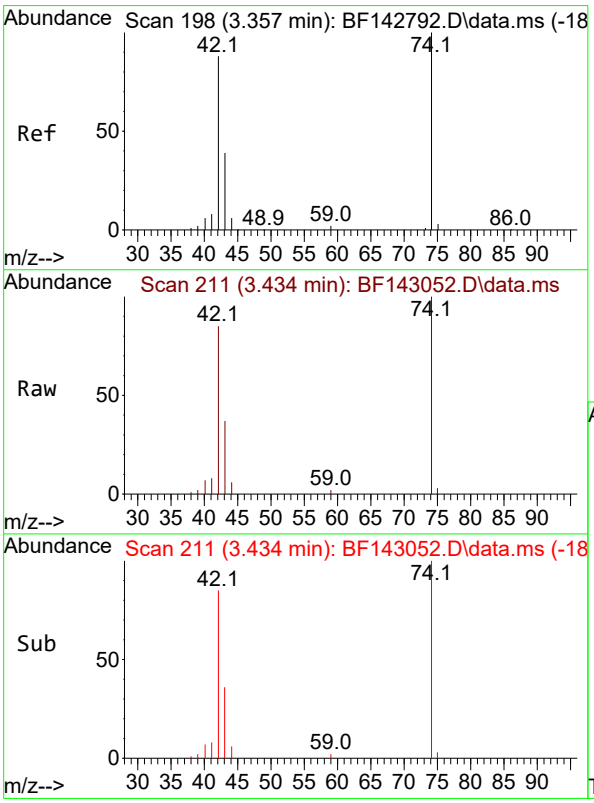

#3
Pyridine
Concen: 38.351 ng
RT: 3.475 min Scan# 2
Delta R.T. 0.065 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion: 79 Resp: 131179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 82.9 | 69.2 | 103.8 |
| 51 | 41.2 | 33.2 | 49.8 |

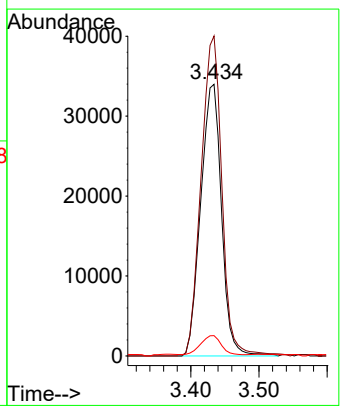


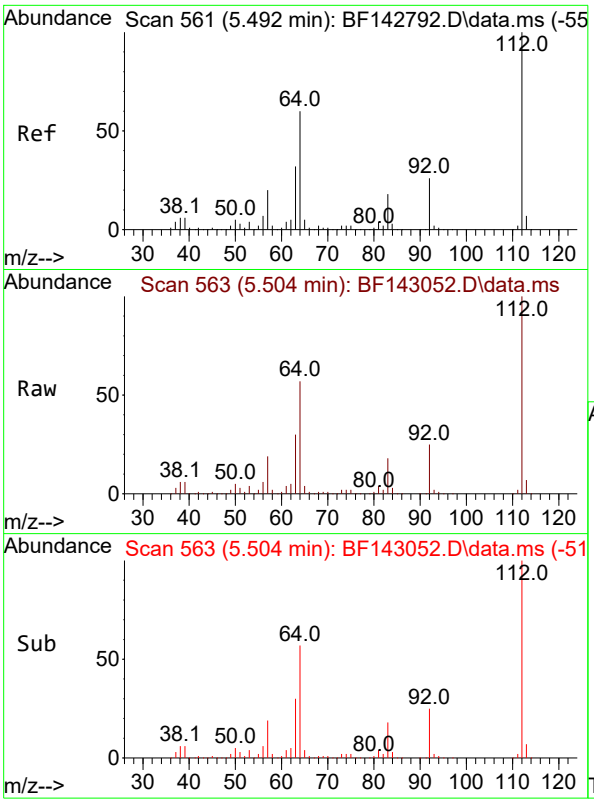




#4
n-Nitrosodimethylamine
Concen: 40.744 ng
RT: 3.434 min Scan# 211
Delta R.T. 0.077 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion: 42 Resp: 72068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 117.8 | 90.9 | 136.3 |
| 44 | 7.5 | 5.8 | 8.6 |



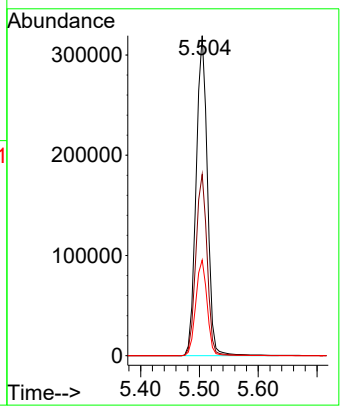


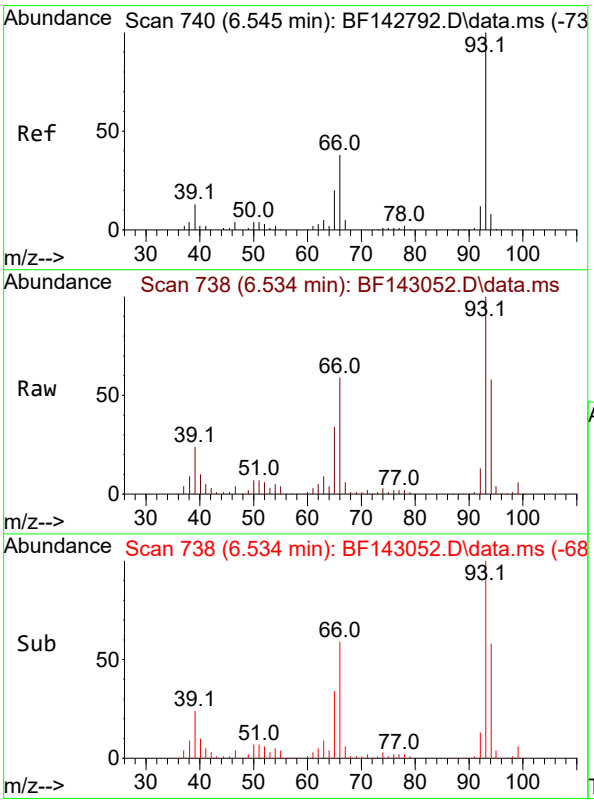

#5
2-Fluorophenol
Concen: 124.982 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:112 Resp: 426340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.6 | 48.2 | 72.2 |
| 63 | 29.9 | 25.7 | 38.5 |

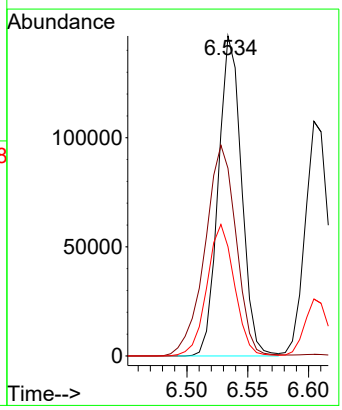


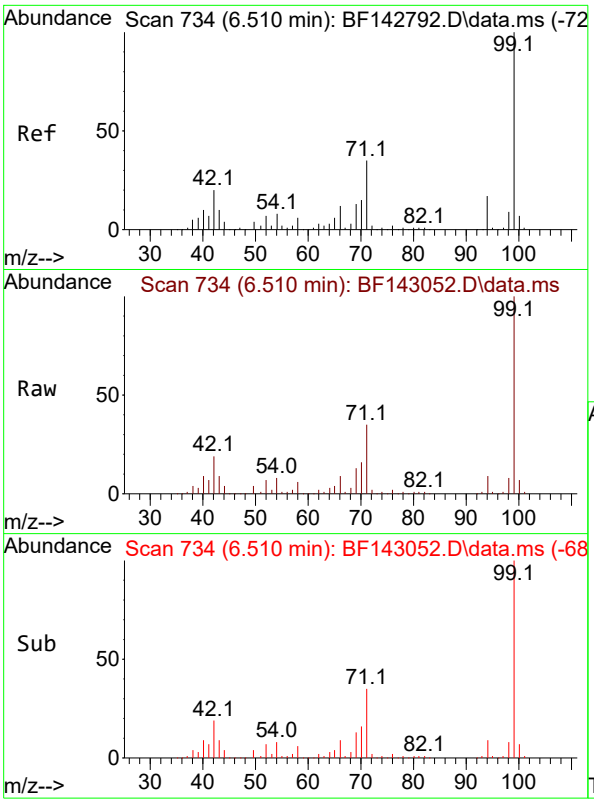




#6
Aniline
Concen: 36.305 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion: 93 Resp: 194415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 58.7 | 31.8 | 47.6# |
| 65 | 34.2 | 16.2 | 24.2# |



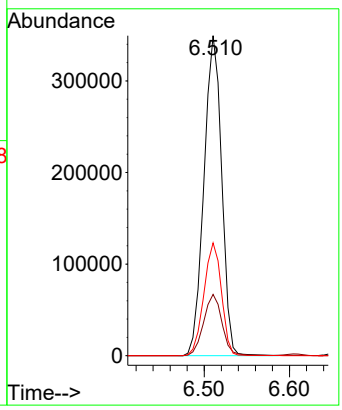


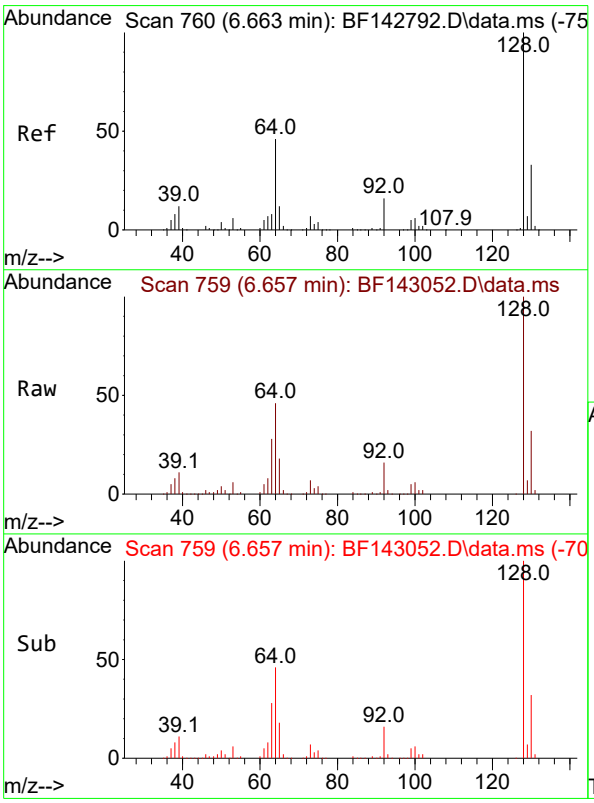

#7
Phenol-d6
Concen: 125.649 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion: 99 Resp: 505681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.1 | 15.9 | 23.9 |
| 71 | 35.3 | 27.8 | 41.8 |

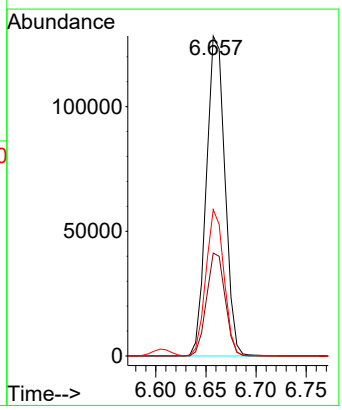


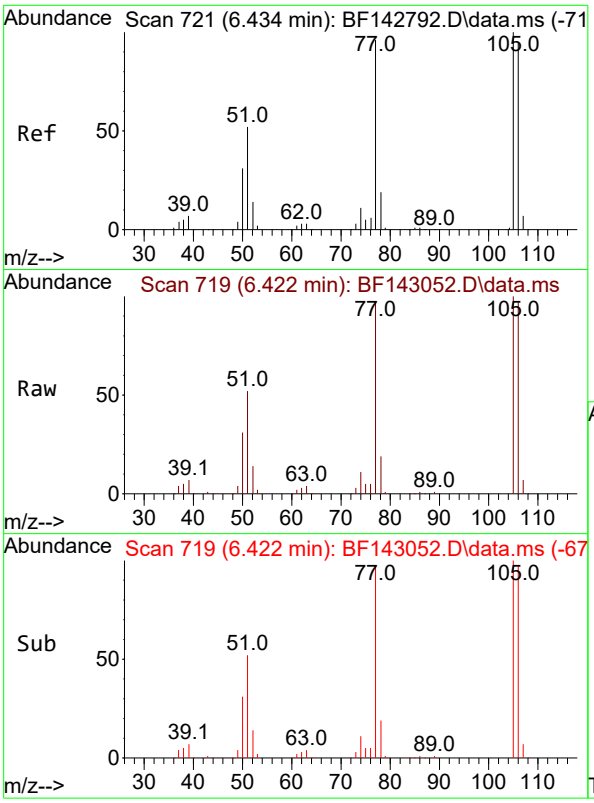




#8
2-Chlorophenol
Concen: 44.897 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:128 Resp: 165209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.2 | 12.7 | 52.7 |
| 64 | 45.8 | 26.5 | 66.5 |



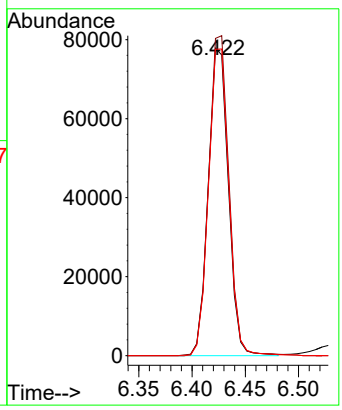


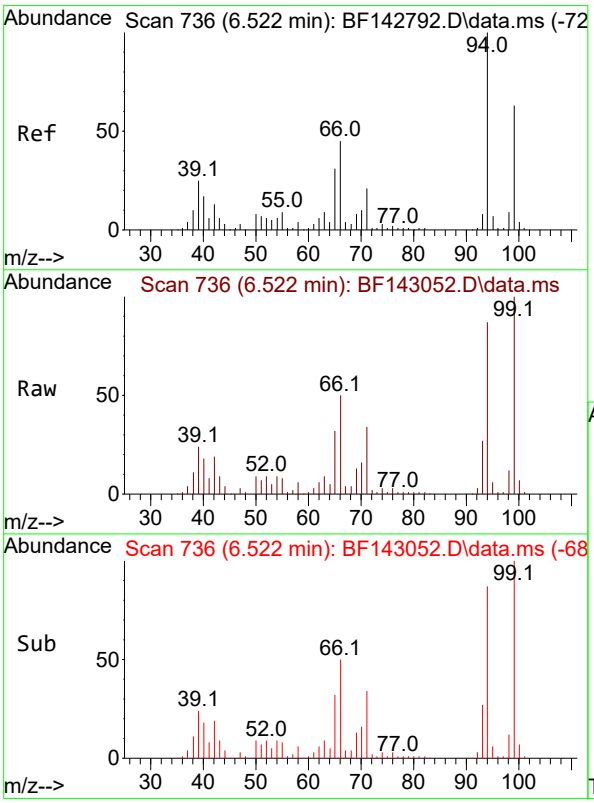

#9
Benzaldehyde
Concen: 42.739 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion: 77 Resp: 102046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 103.2 | 83.8 | 123.8 |
| 106 | 99.7 | 78.7 | 118.7 |

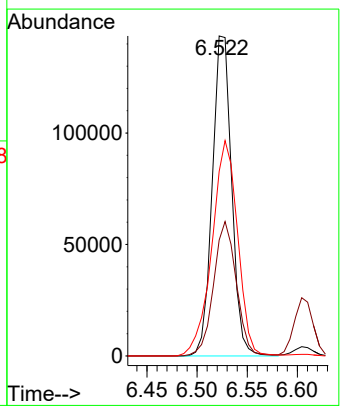


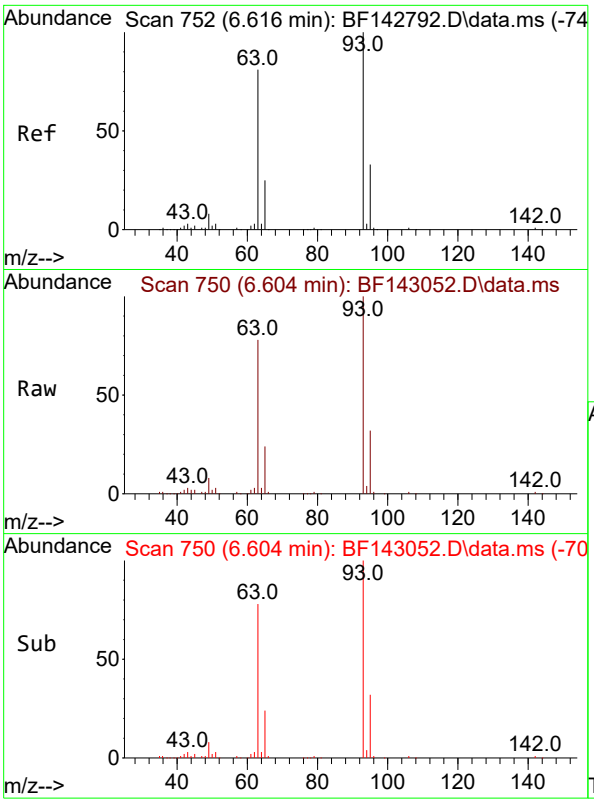




#10
Phenol
Concen: 43.131 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion: 94 Resp: 192952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 36.2 | 11.3 | 51.3 |
| 66 | 57.7 | 24.9 | 64.9 |



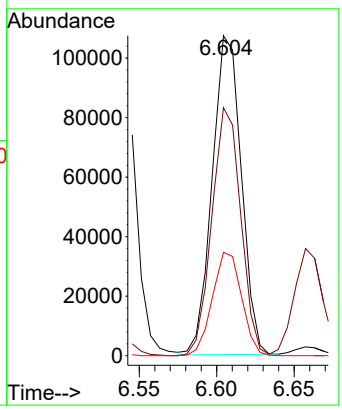


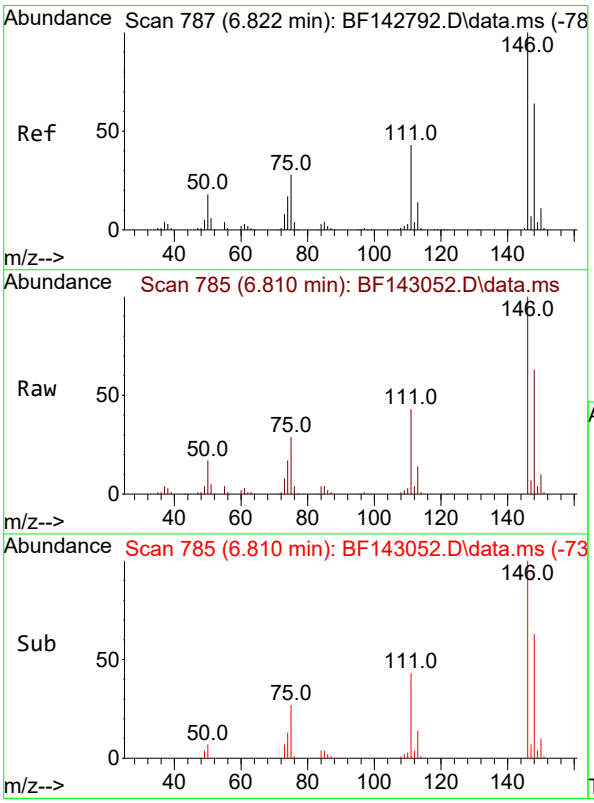

#11
bis(2-Chloroethyl)ether
Concen: 43.816 ng
RT: 6.604 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion: 93 Resp: 140095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 77.5 | 60.3 | 100.3 |
| 95 | 32.3 | 12.5 | 52.5 |

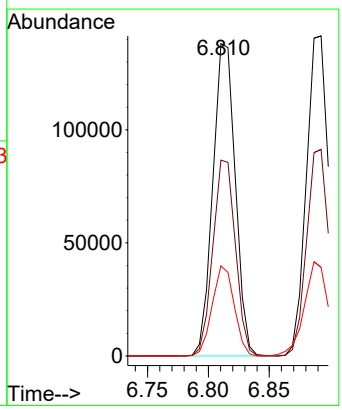


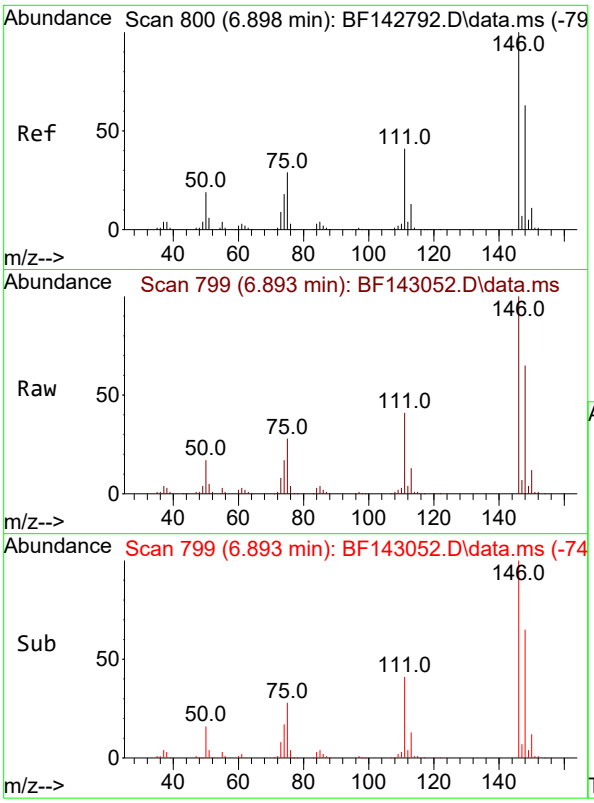




#12
1,3-Dichlorobenzene
Concen: 43.223 ng
RT: 6.810 min Scan# 785
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:146 Resp: 177878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.7 | 51.1 | 76.7 |
| 75 | 28.9 | 22.7 | 34.1 |



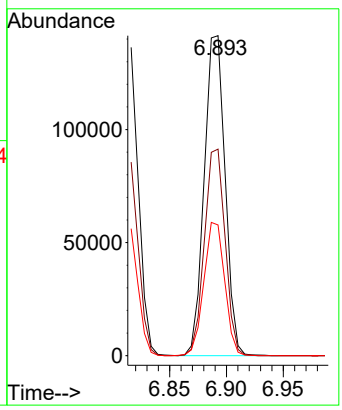


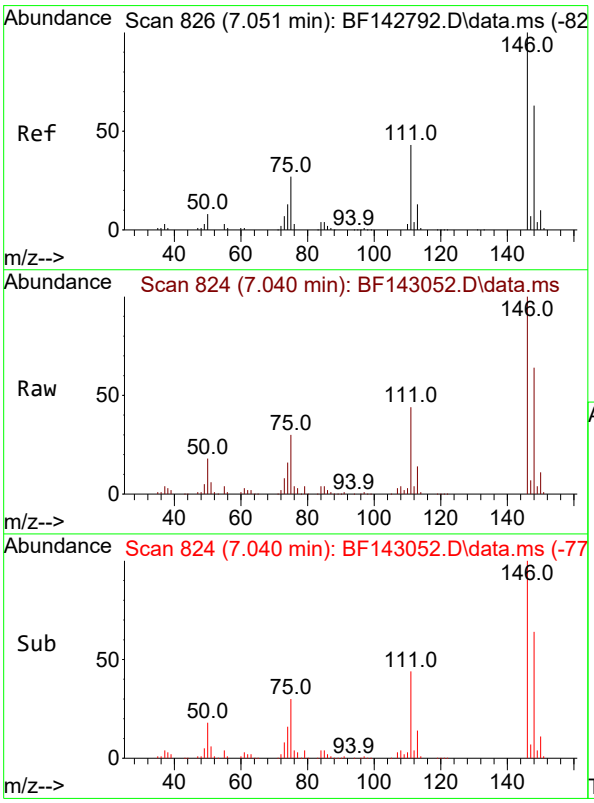

#13
1,4-Dichlorobenzene
Concen: 43.629 ng
RT: 6.893 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:146 Resp: 181148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.5 | 50.2 | 75.2 |
| 111 | 40.9 | 33.2 | 49.8 |

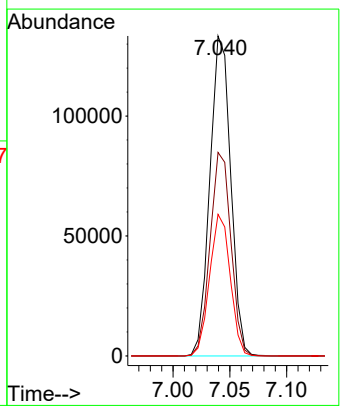


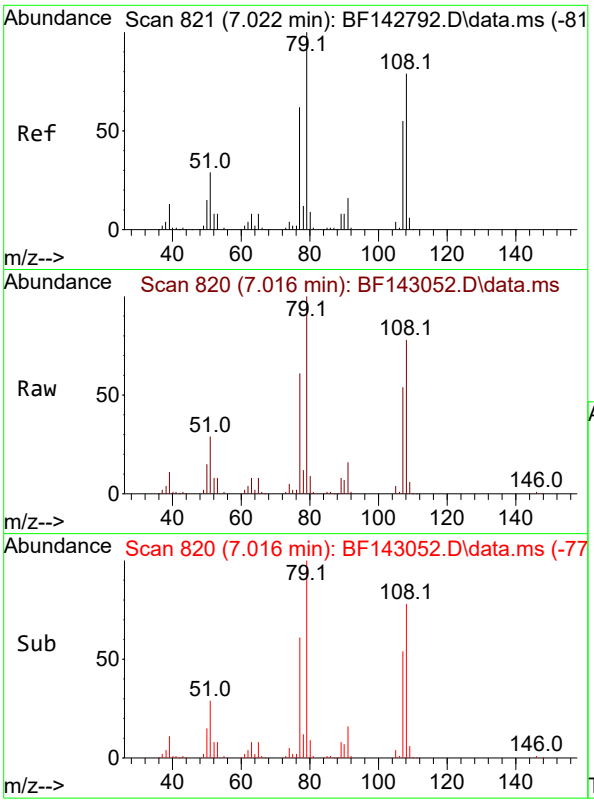




#14
1,2-Dichlorobenzene
Concen: 43.232 ng
RT: 7.040 min Scan# 824
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:146 Resp: 170255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 50.4 | 75.6 |
| 111 | 44.3 | 34.1 | 51.1 |



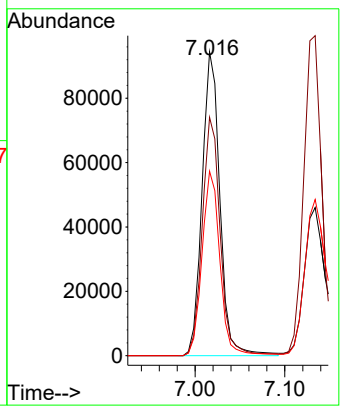


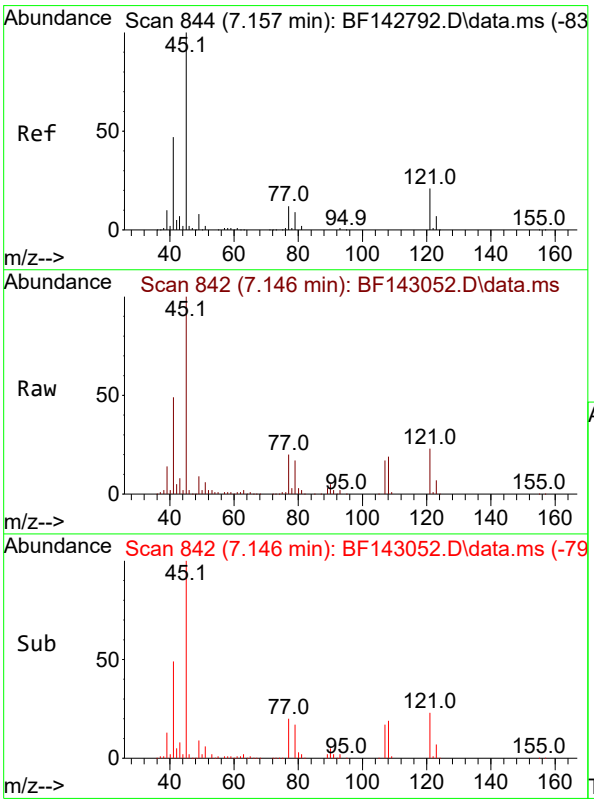

#15
Benzyl Alcohol
Concen: 44.744 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion: 79 Resp: 130183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 78.4 | 63.4 | 95.0 |
| 77 | 60.7 | 49.5 | 74.3 |

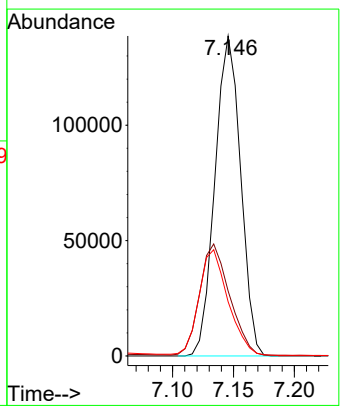


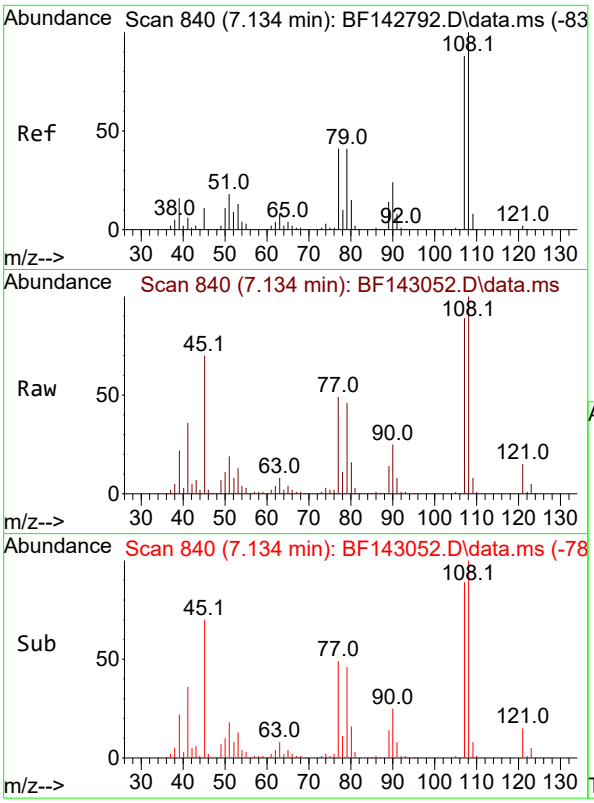




#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.609 ng
RT: 7.146 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion: 45 Resp: 203469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 20.3 | 0.0 | 32.8 |
| 79 | 16.9 | 0.0 | 29.8 |



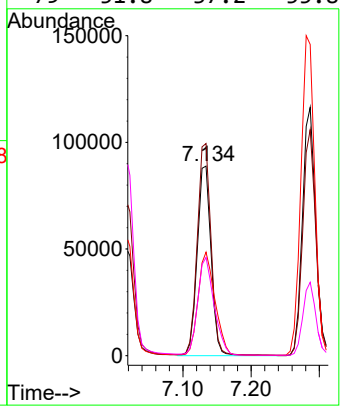


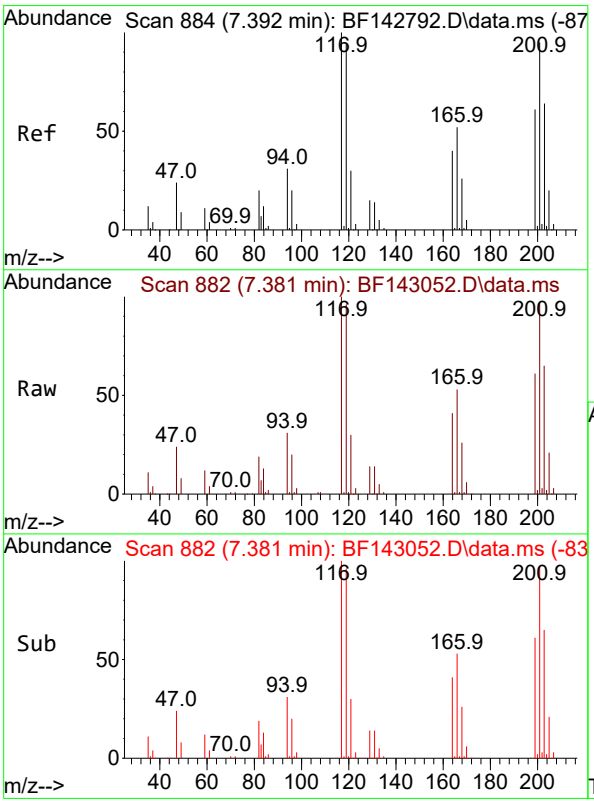

#17
2-Methylphenol
Concen: 45.066 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:107 Resp: 125670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.9 | 90.9 | 136.3 |
| 77 | 54.6 | 37.3 | 55.9 |
| 79 | 51.8 | 37.2 | 55.8 |

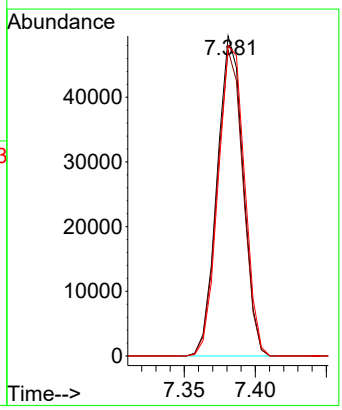


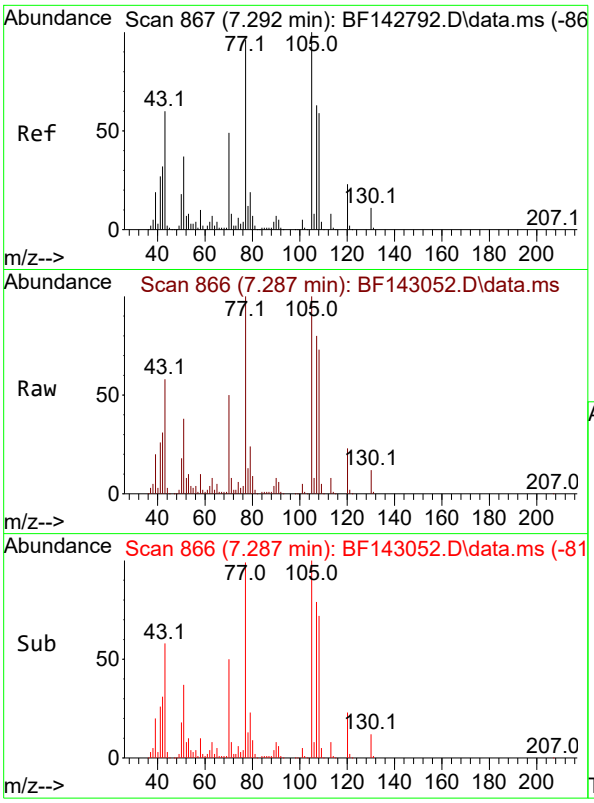




#18
Hexachloroethane
Concen: 43.249 ng
RT: 7.381 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:117 Resp: 62809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.6 | 75.4 | 113.0 |
| 201 | 97.0 | 75.9 | 113.9 |



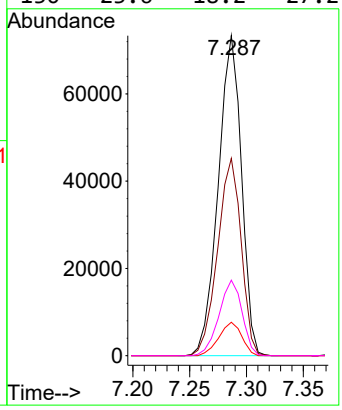


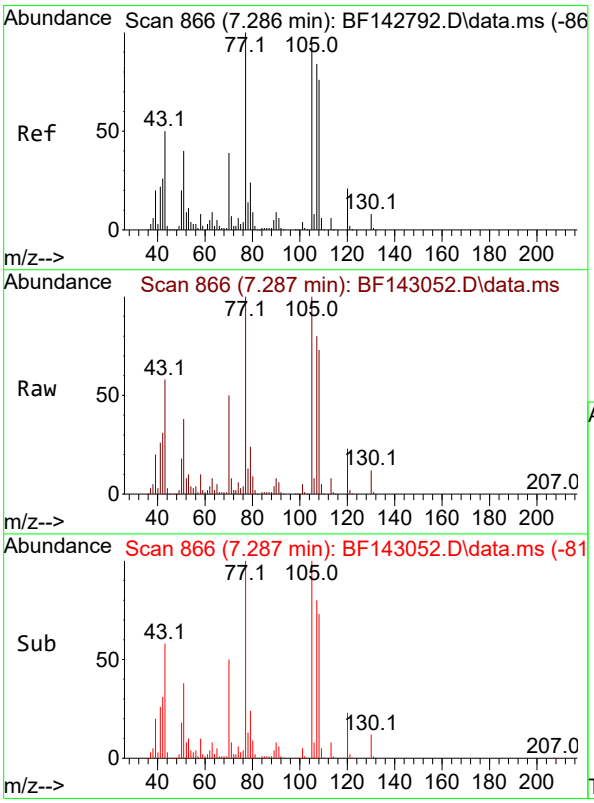

#19
n-Nitroso-di-n-propylamine
Concen: 44.556 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion: 70 Resp: 104292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 61.6 | 52.1 | 78.1 |
| 101 | 10.5 | 8.2 | 12.2 |
| 130 | 23.6 | 18.2 | 27.2 |

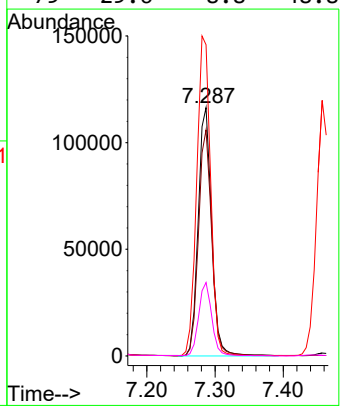


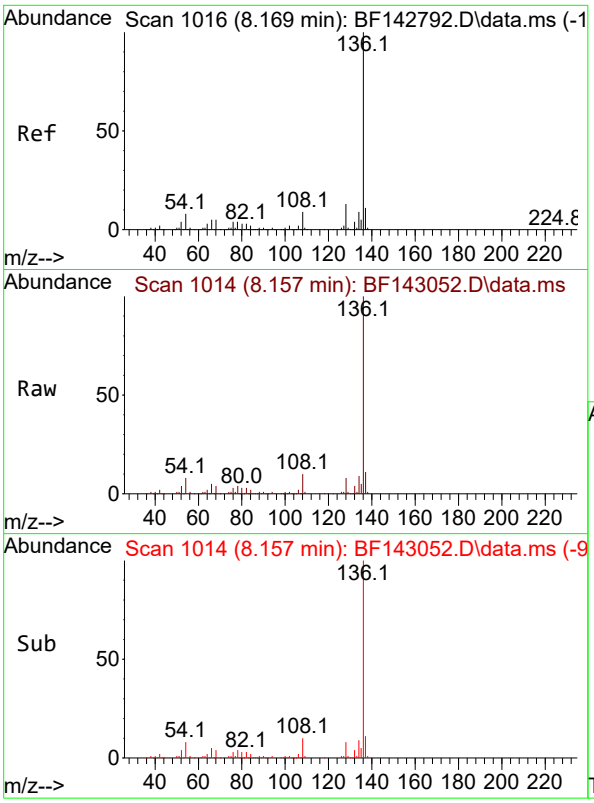




#20
3+4-Methylphenols
Concen: 45.970 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:107 Resp: 159830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.1 | 70.0 | 110.0 |
| 77 | 125.3 | 98.5 | 138.5 |
| 79 | 29.6 | 8.8 | 48.8 |



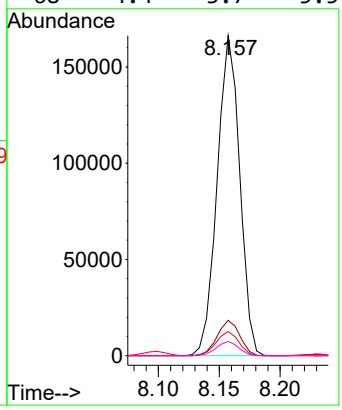


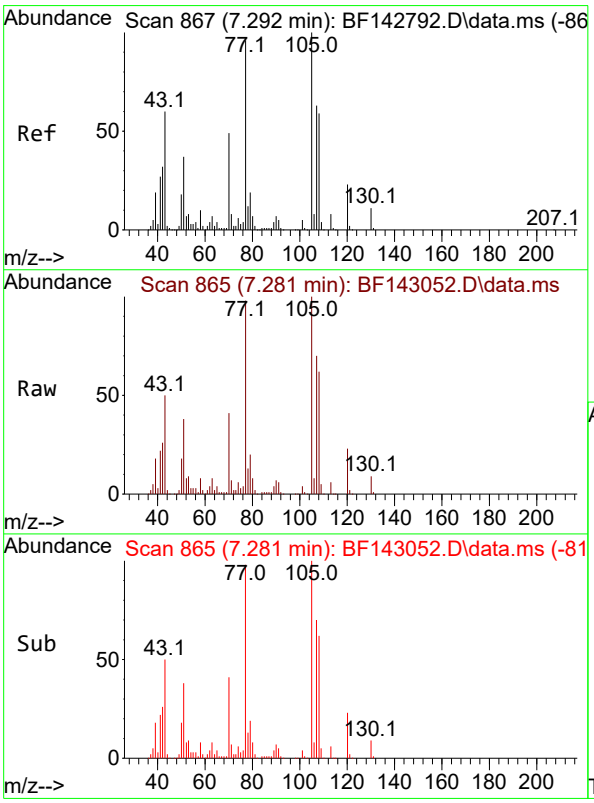

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:136 Resp: 214539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.4 | 12.6 |
| 54 | 7.6 | 6.3 | 9.5 |
| 68 | 4.4 | 3.7 | 5.5 |

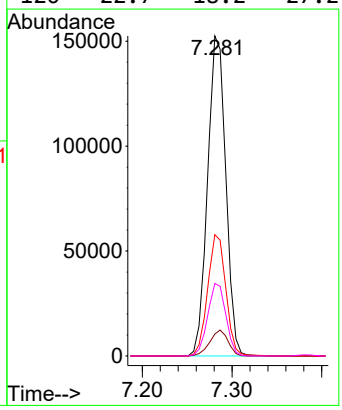


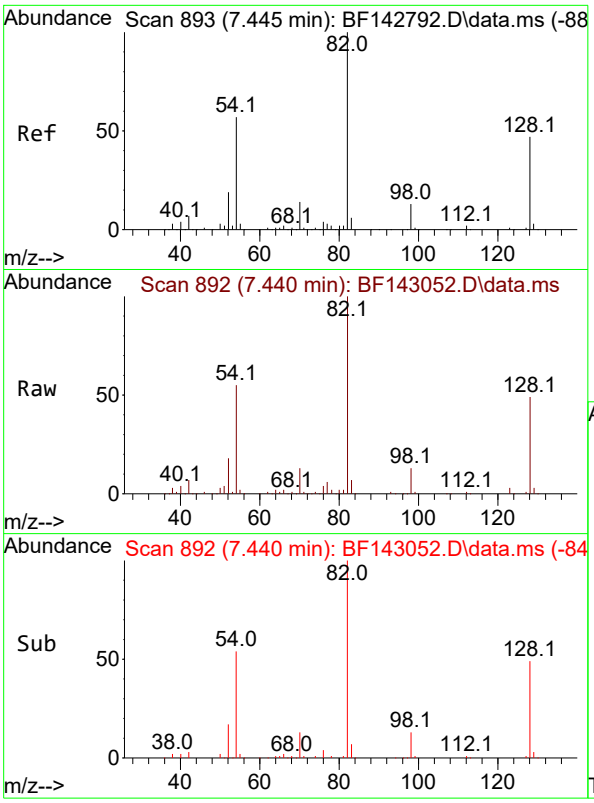




#22
Acetophenone
Concen: 45.376 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:105 Resp: 214673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.8 | 6.5 | 9.7 |
| 51 | 37.9 | 29.8 | 44.8 |
| 120 | 22.7 | 18.2 | 27.2 |



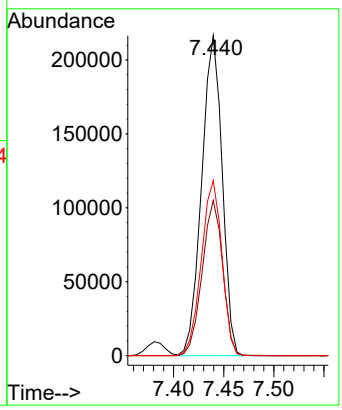


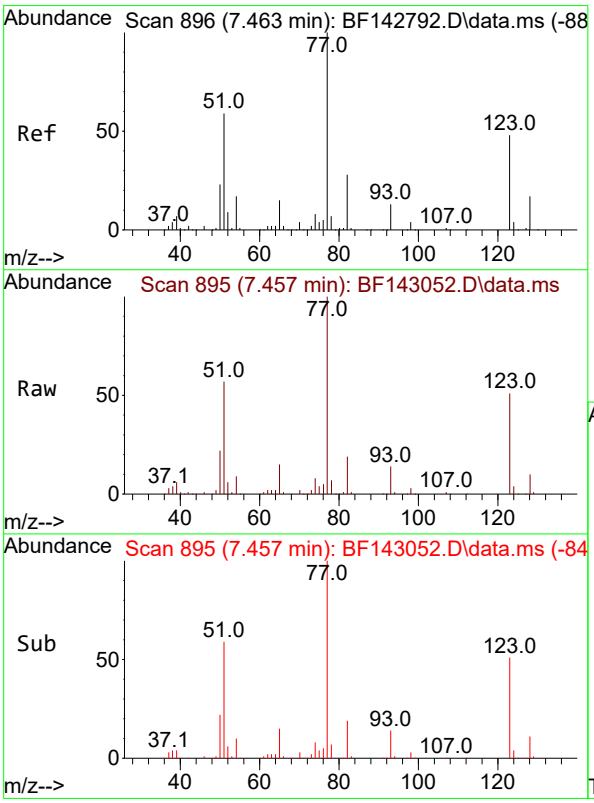

#23
Nitrobenzene-d5
Concen: 78.900 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion: 82 Resp: 308602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.5 | 37.7 | 56.5 |
| 54 | 54.7 | 45.7 | 68.5 |

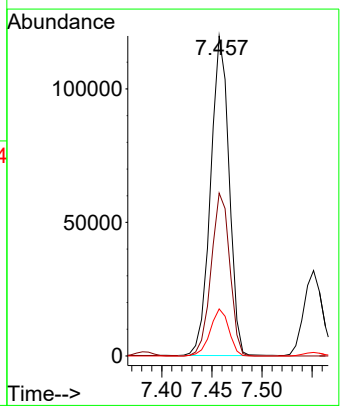


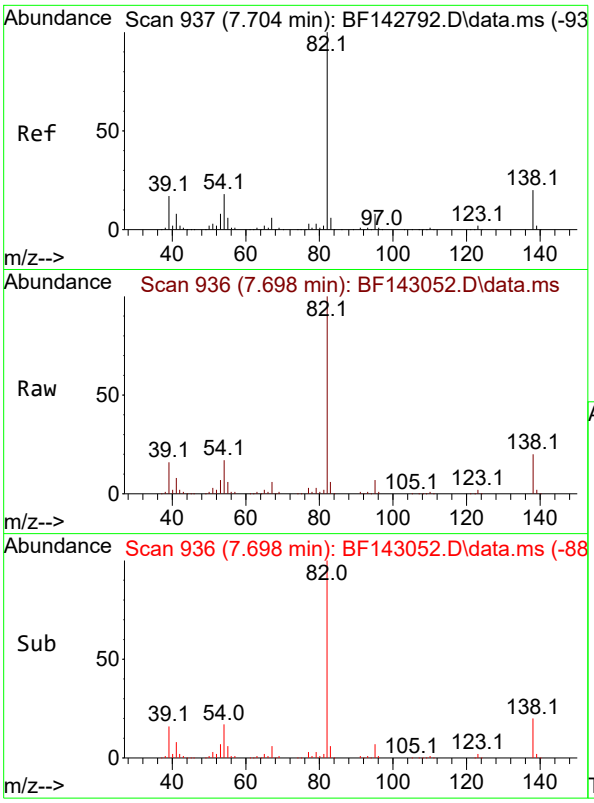




#24
Nitrobenzene
Concen: 43.364 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion: 77 Resp: 153515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 50.9 | 39.2 | 58.8 |
| 65 | 14.7 | 11.6 | 17.4 |



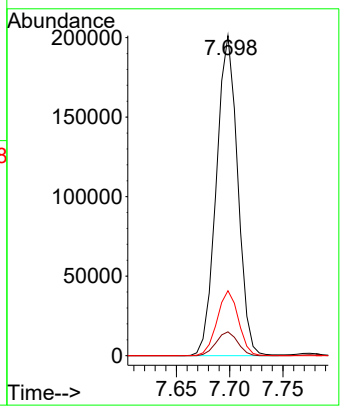


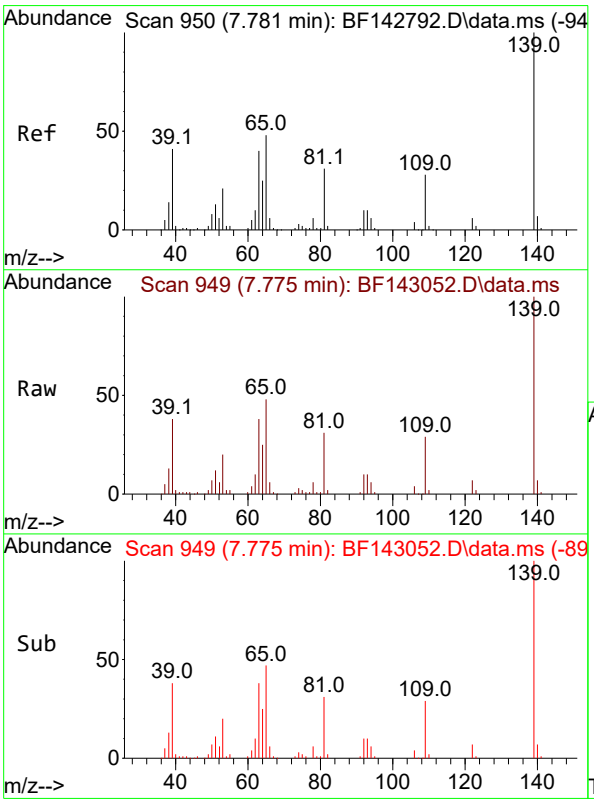

#25
Isophorone
Concen: 44.616 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion: 82 Resp: 279937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.5 | 6.2 | 9.2 |
| 138 | 20.3 | 16.2 | 24.4 |

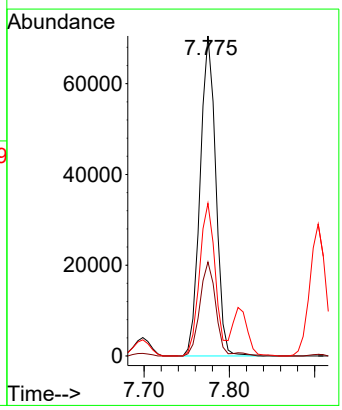


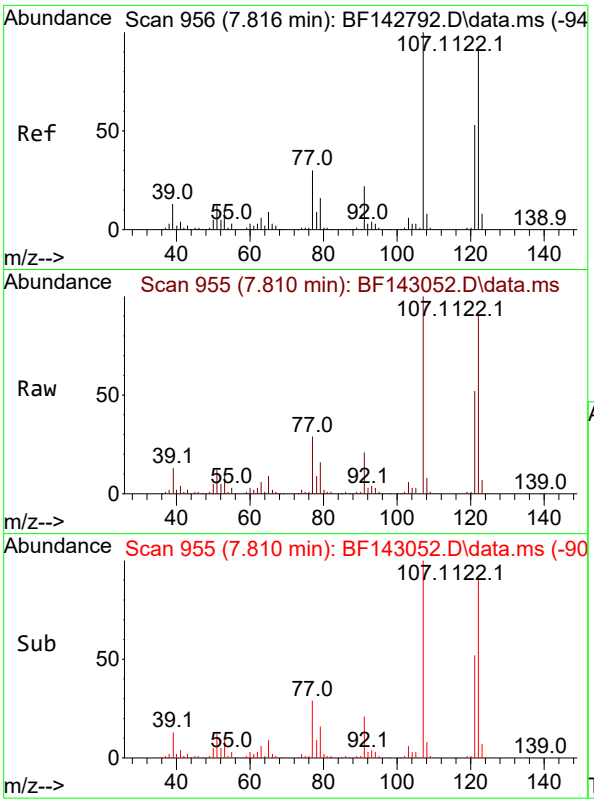




#26
2-Nitrophenol
Concen: 46.760 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:139 Resp: 90174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.3 | 22.7 | 34.1 |
| 65 | 47.7 | 38.6 | 58.0 |



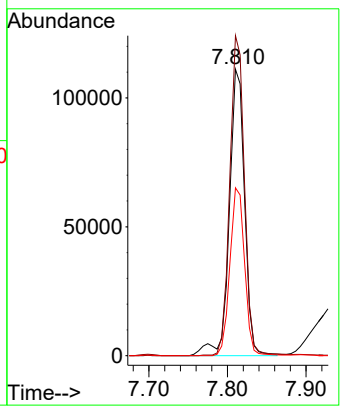


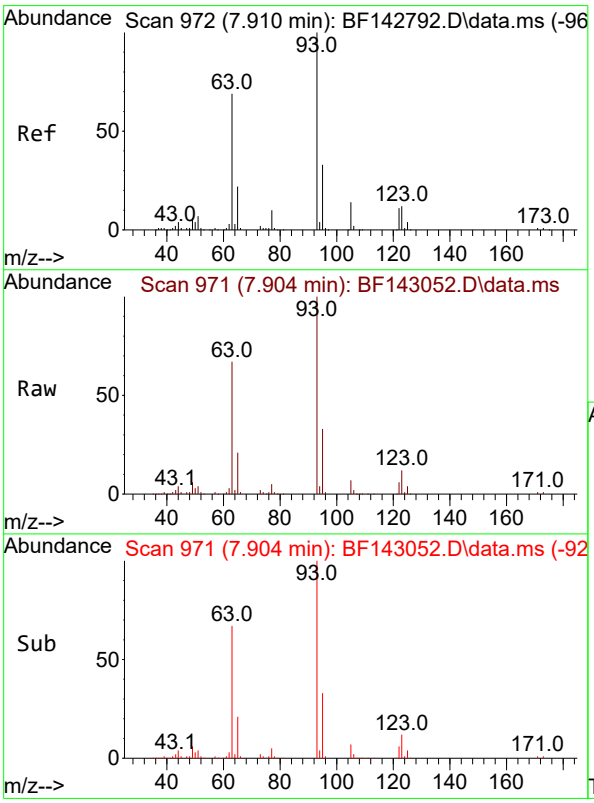

#27
2,4-Dimethylphenol
Concen: 44.884 ng m
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:122 Resp: 149929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 111.7 | 88.0 | 132.0 |
| 121 | 58.6 | 46.3 | 69.5 |

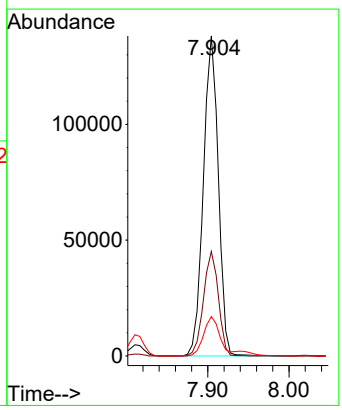


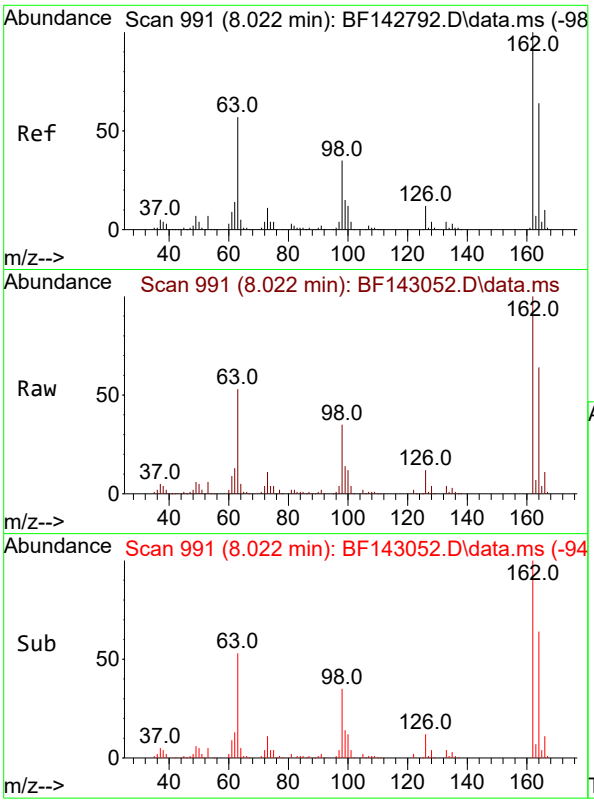




#28
bis(2-Chloroethoxy)methane
Concen: 44.140 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion: 93 Resp: 176073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.6 | 26.2 | 39.2 |
| 123 | 12.3 | 9.9 | 14.9 |



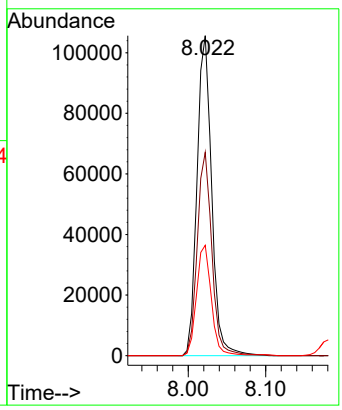


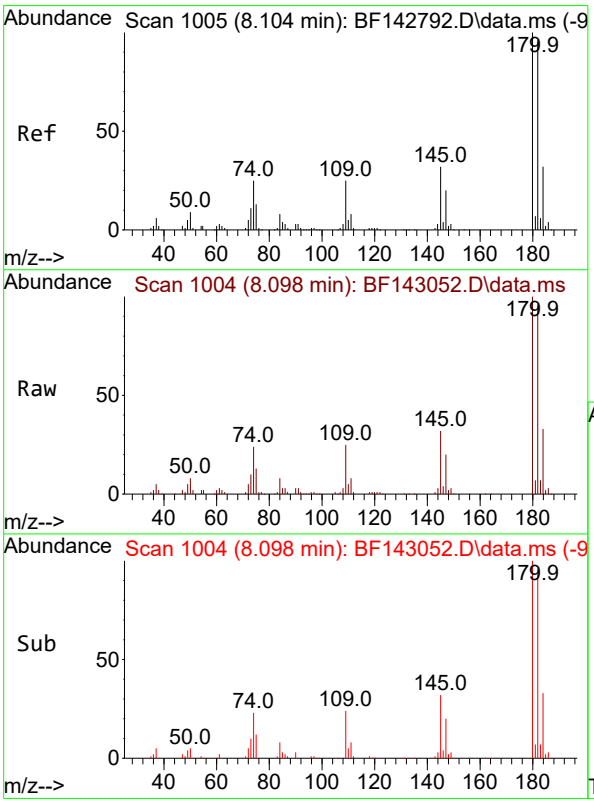

#29
2,4-Dichlorophenol
Concen: 45.823 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:162 Resp: 138790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.5 | 44.0 | 84.0 |
| 98 | 34.5 | 15.4 | 55.4 |

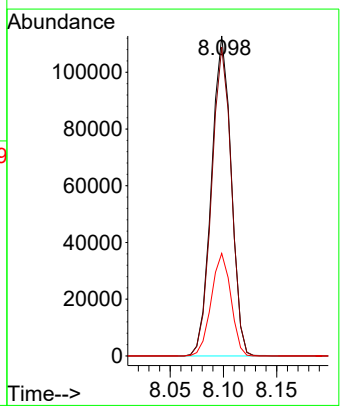


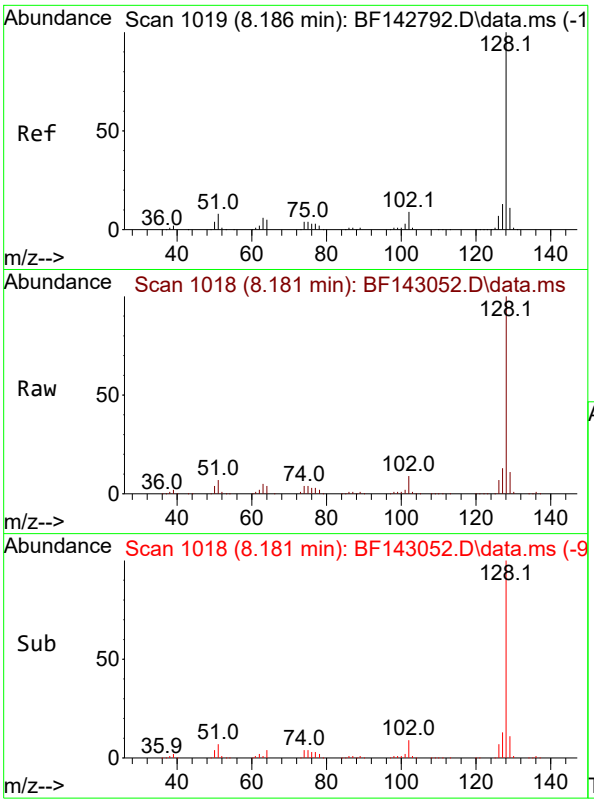




#30
1,2,4-Trichlorobenzene
Concen: 43.589 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:180 Resp: 145173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 76.4 | 114.6 |
| 145 | 32.1 | 25.8 | 38.8 |



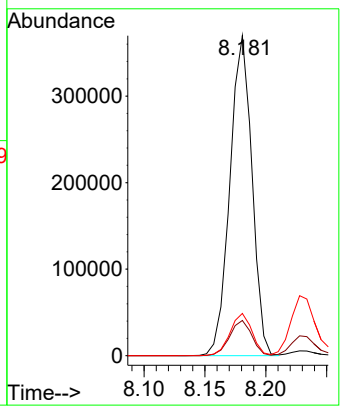


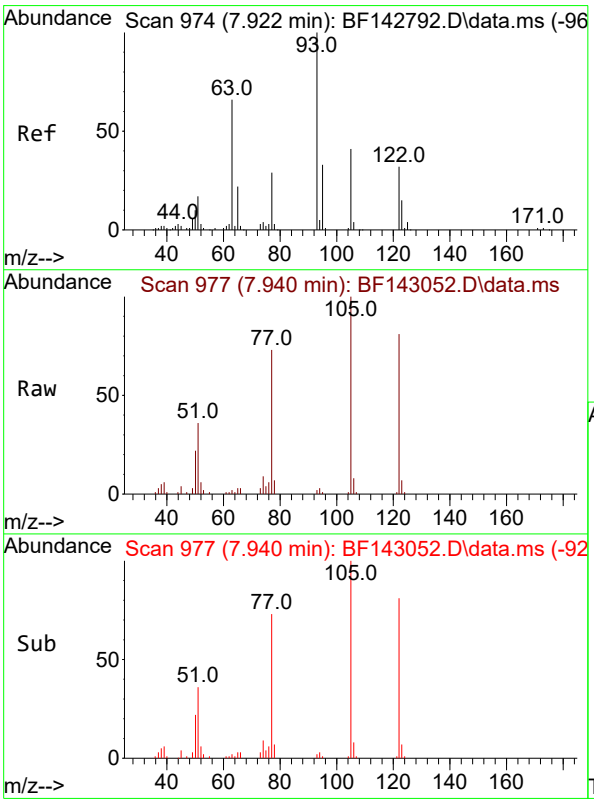

#31
Naphthalene
Concen: 44.481 ng
RT: 8.181 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:128 Resp: 467109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.9 | 13.3 |
| 127 | 13.2 | 10.4 | 15.6 |

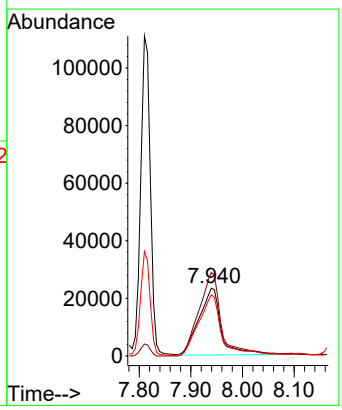


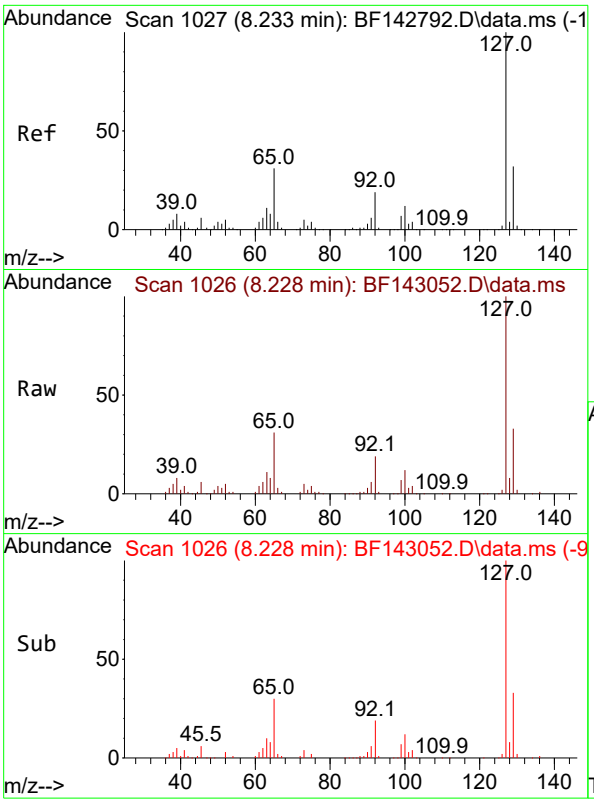




#32
Benzoic acid
Concen: 40.877 ng
RT: 7.940 min Scan# 977
Delta R.T. 0.018 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:122 Resp: 69596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.3 | 104.7 | 144.7 |
| 77 | 90.3 | 70.2 | 110.2 |



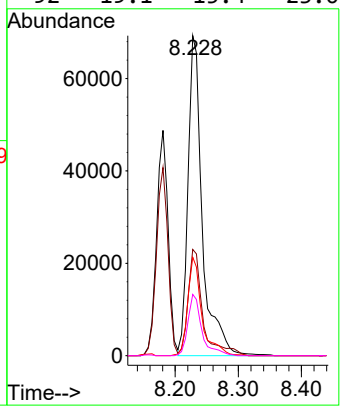


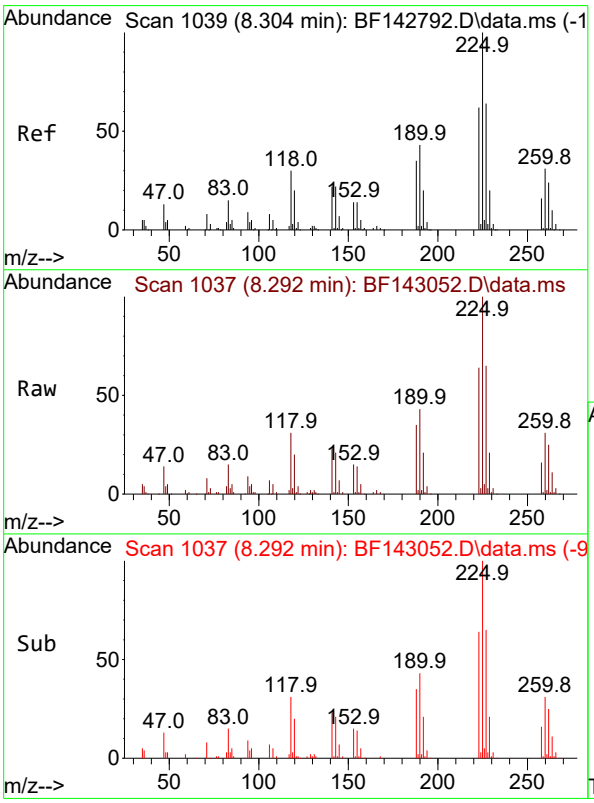

#33
4-Chloroaniline
Concen: 25.744 ng
RT: 8.228 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:127 Resp: 109926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 33.2 | 25.9 | 38.9 |
| 65 | 30.8 | 24.6 | 36.8 |
| 92 | 19.1 | 15.4 | 23.0 |

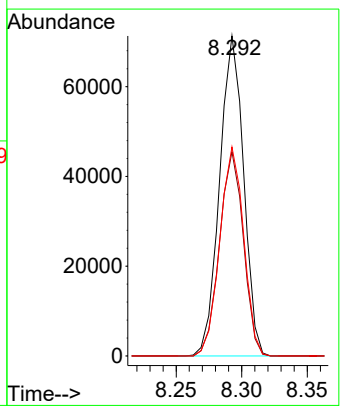


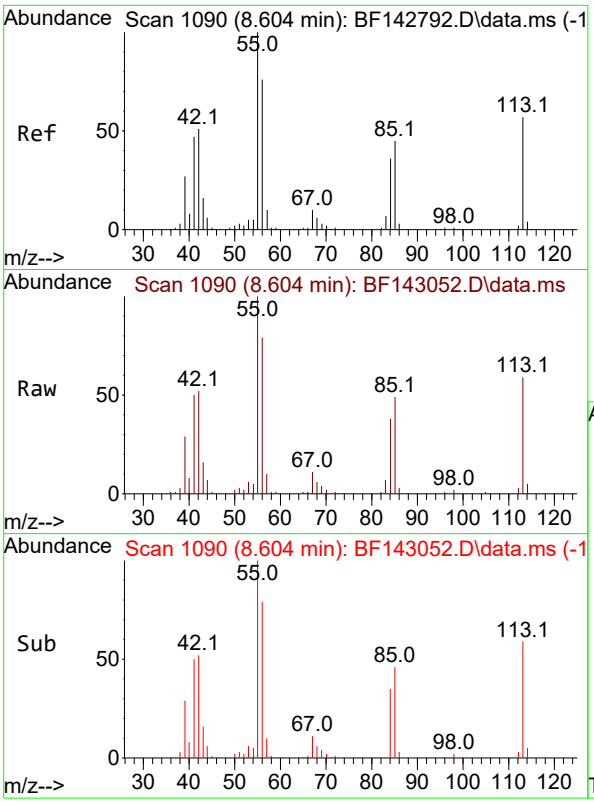




#34
Hexachlorobutadiene
Concen: 44.435 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:225 Resp: 90524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.8 | 49.9 | 74.9 |
| 227 | 65.3 | 51.4 | 77.0 |



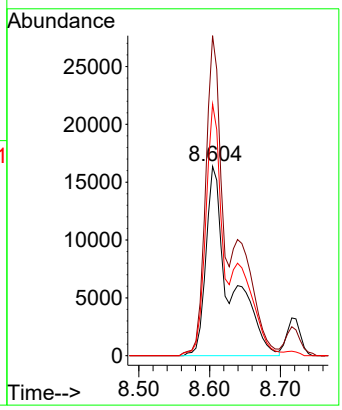


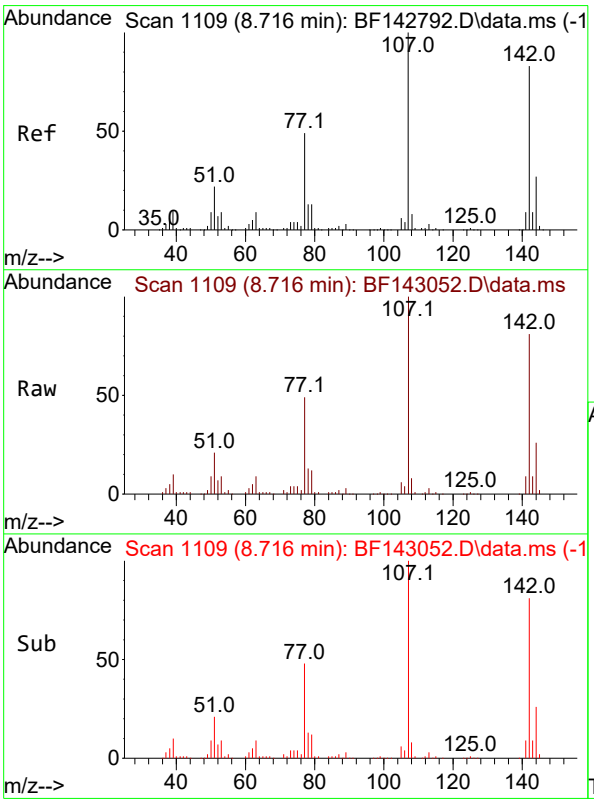

#35
Caprolactam
Concen: 48.820 ng m
RT: 8.604 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:113 Resp: 39019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 169.0 | 154.4 | 194.4 |
| 56 | 133.0 | 112.1 | 152.1 |

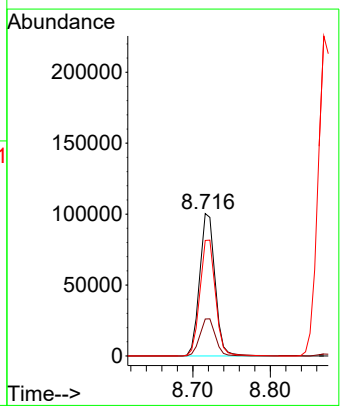


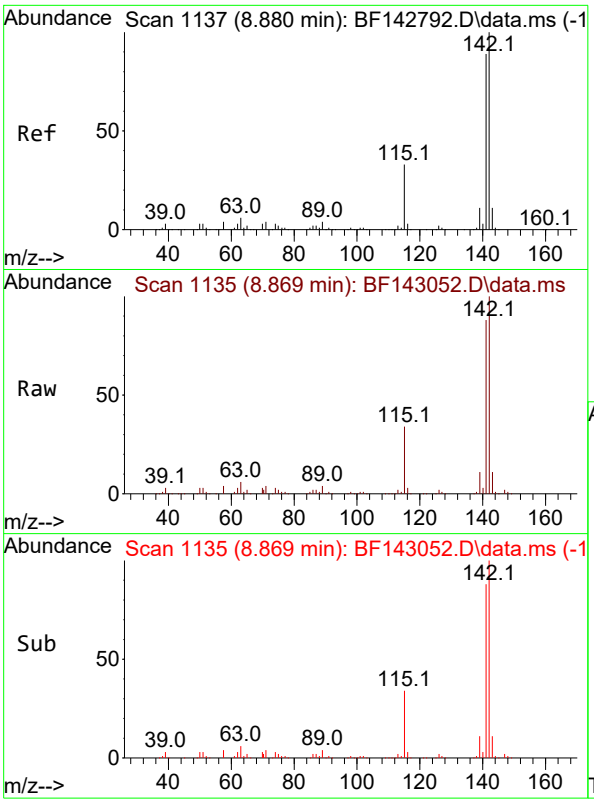




#36
4-Chloro-3-methylphenol
Concen: 46.191 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:107 Resp: 139043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.0 | 21.3 | 31.9 |
| 142 | 81.1 | 66.6 | 100.0 |



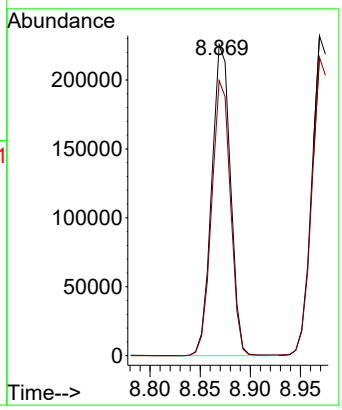


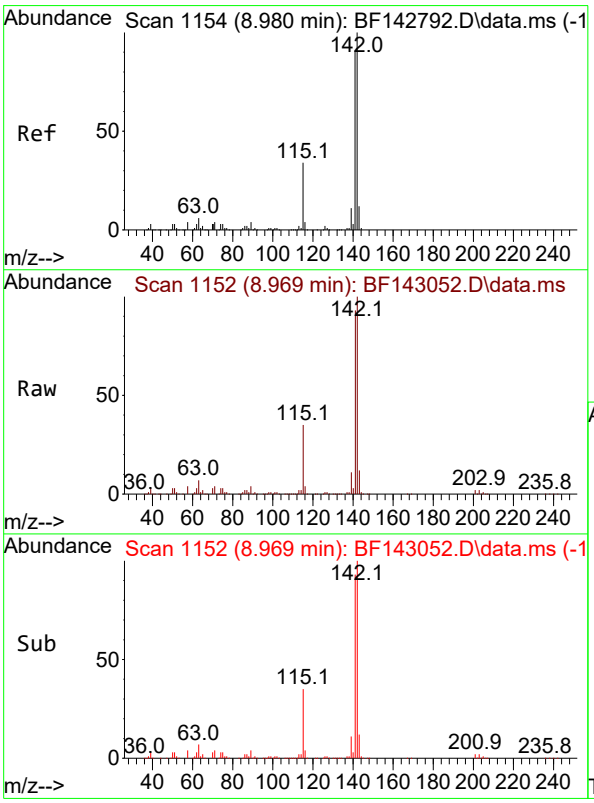

#37
2-Methylnaphthalene
Concen: 45.149 ng
RT: 8.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:142 Resp: 293943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.4 | 70.9 | 106.3 |

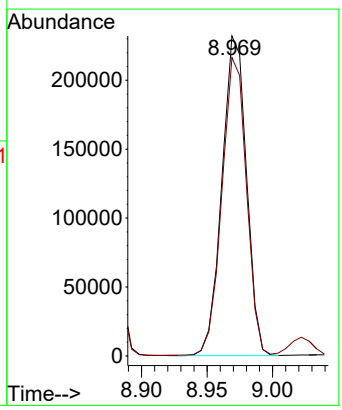


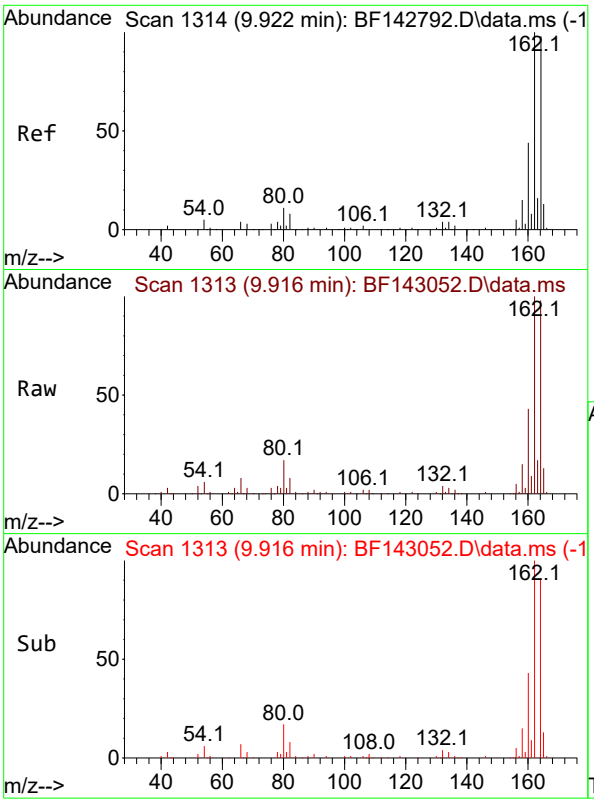




#38
1-Methylnaphthalene
Concen: 44.739 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:142 Resp: 301516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.3 | 73.0 | 109.4 |



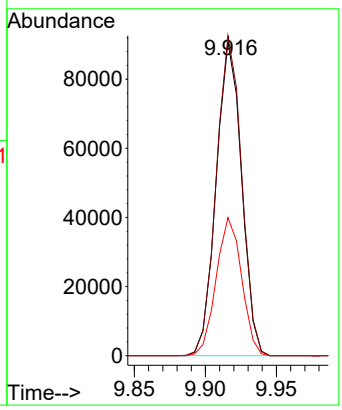


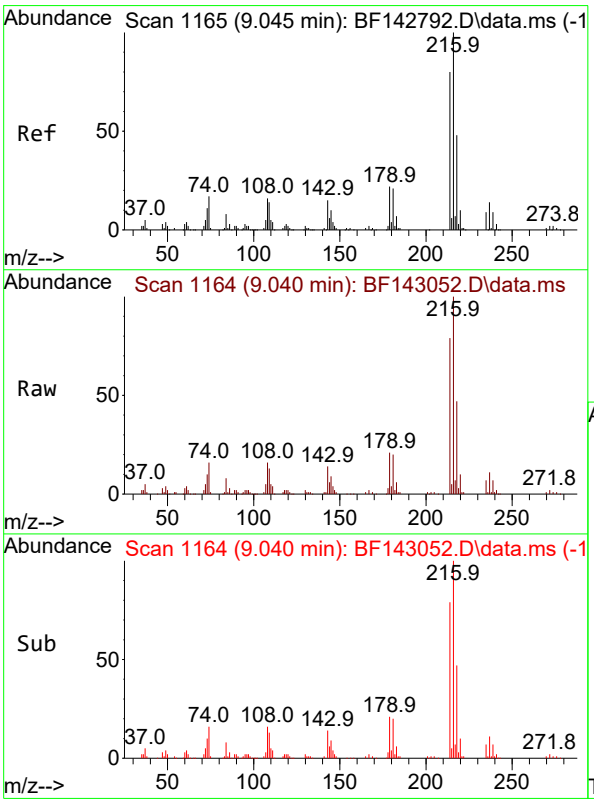

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:164 Resp: 112458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.0 | 81.8 | 122.8 |
| 160 | 44.0 | 36.0 | 54.0 |

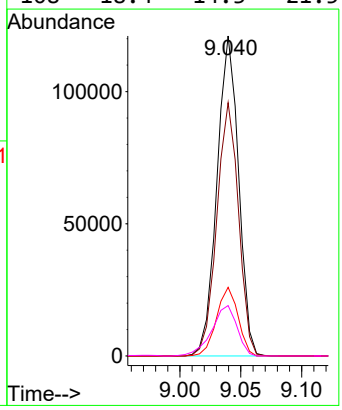


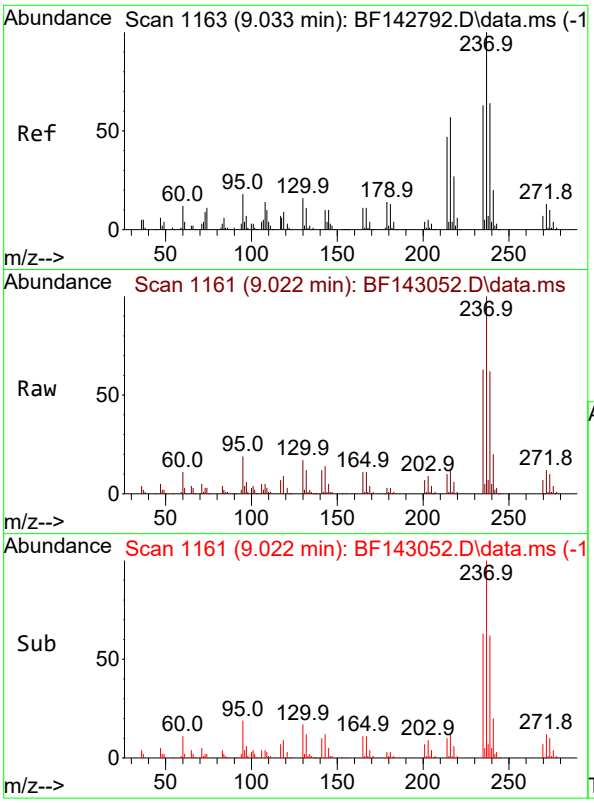




#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.049 ng
RT: 9.040 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:216 Resp: 149486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.3 | 63.7 | 95.5 |
| 179 | 21.5 | 17.6 | 26.4 |
| 108 | 18.4 | 14.3 | 21.5 |



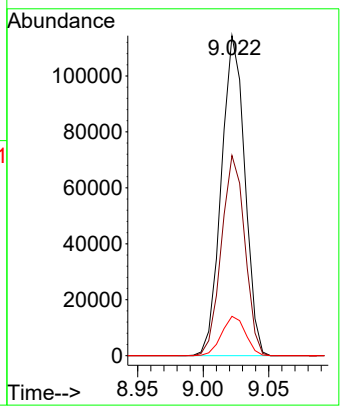


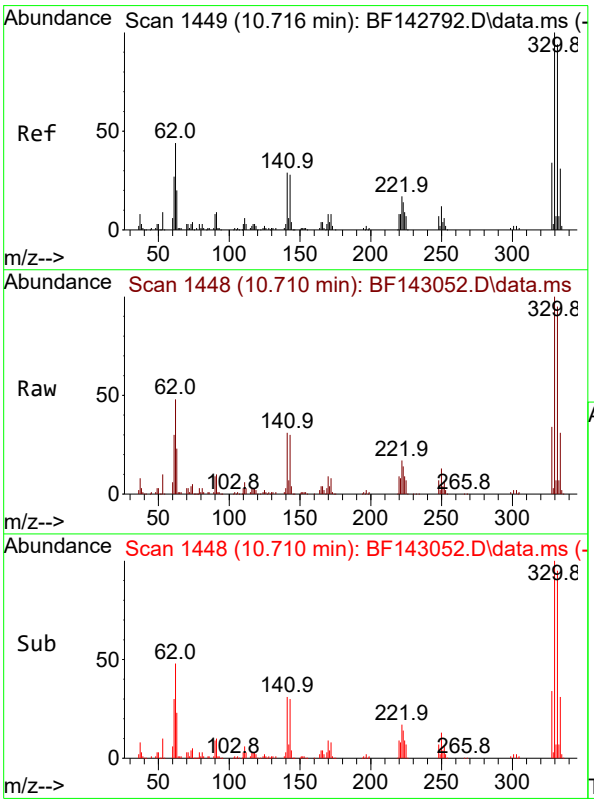

#41
Hexachlorocyclopentadiene
Concen: 75.626 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:237 Resp: 142408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.5 | 43.4 | 83.4 |
| 272 | 12.3 | 0.0 | 32.7 |

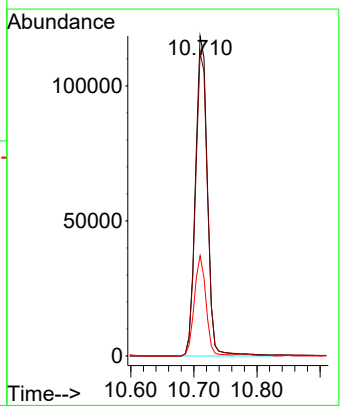


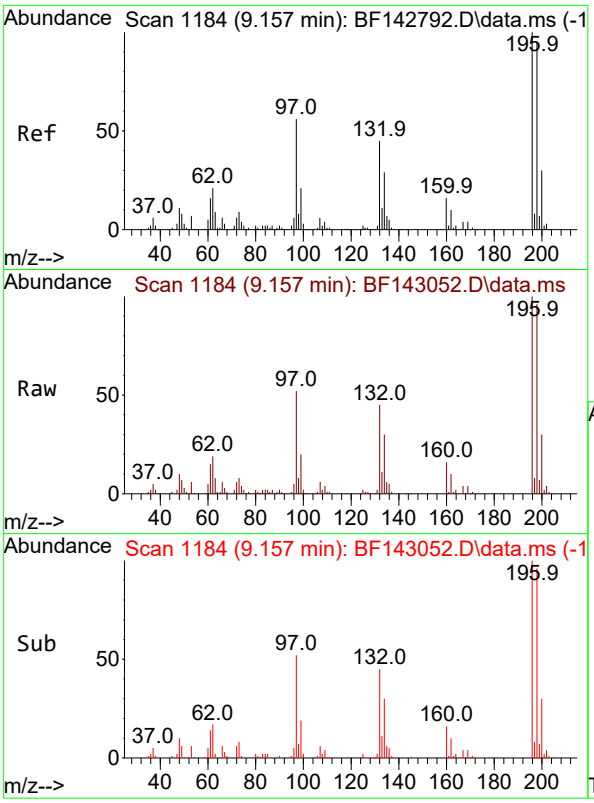




#42
2,4,6-Tribromophenol
Concen: 134.568 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:330 Resp: 155731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.4 | 75.0 | 112.6 |
| 141 | 30.6 | 25.3 | 37.9 |



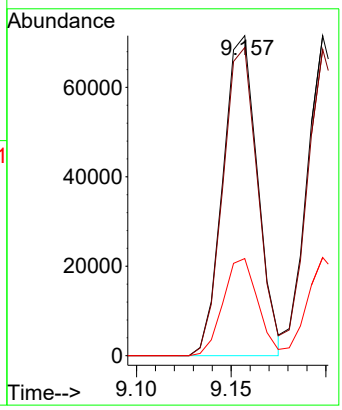


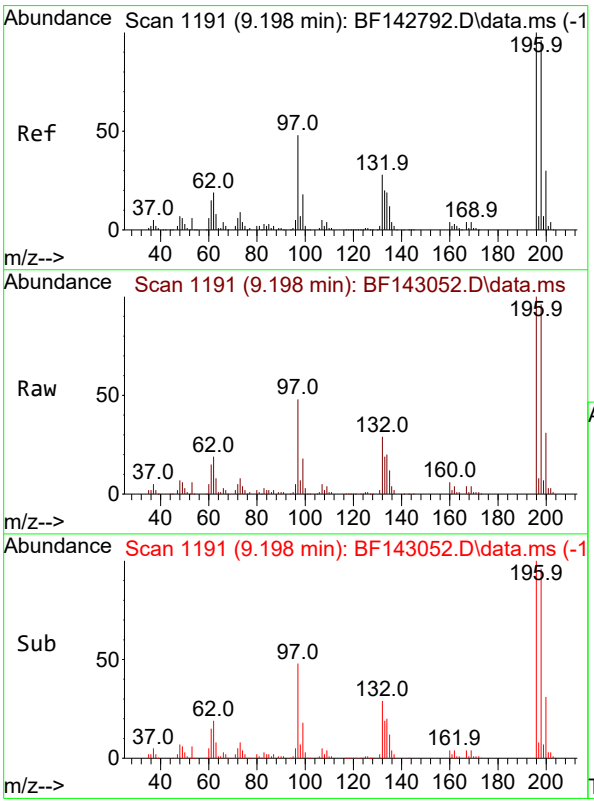

#43
2,4,6-Trichlorophenol
Concen: 42.235 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:196 Resp: 91324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.3 | 76.2 | 114.2 |
| 200 | 30.4 | 24.1 | 36.1 |

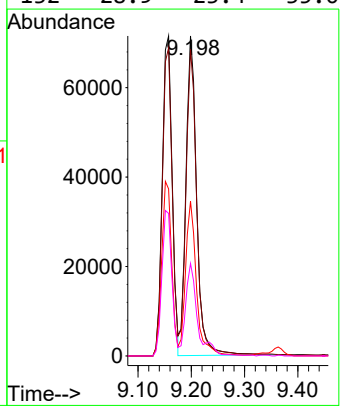


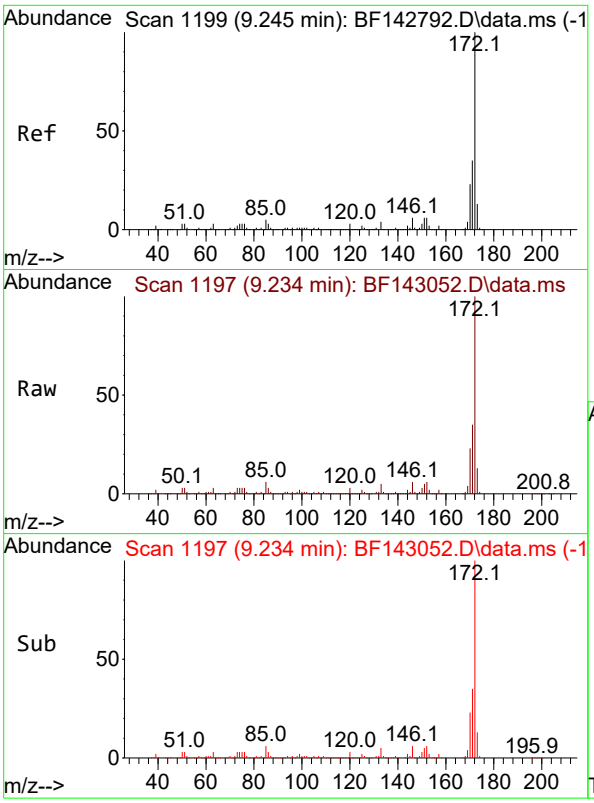




#44
2,4,5-Trichlorophenol
Concen: 44.007 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:196 Resp: 100167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.8 | 76.6 | 115.0 |
| 97 | 48.3 | 38.2 | 57.2 |
| 132 | 28.9 | 23.4 | 35.0 |



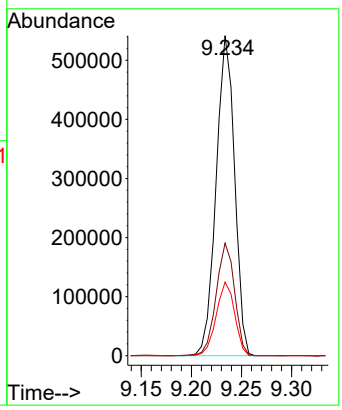


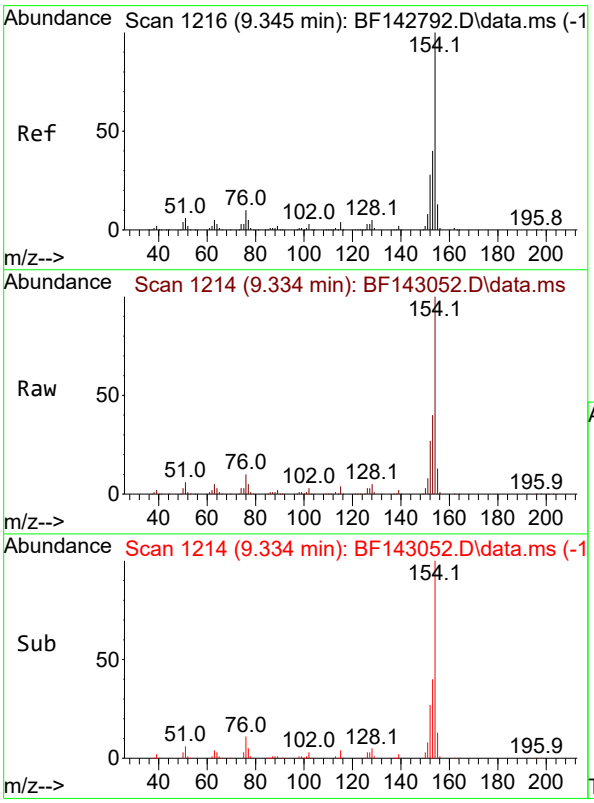

#45
2-Fluorobiphenyl
Concen: 80.686 ng
RT: 9.234 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:172 Resp: 690721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.1 | 28.2 | 42.4 |
| 170 | 23.0 | 18.5 | 27.7 |

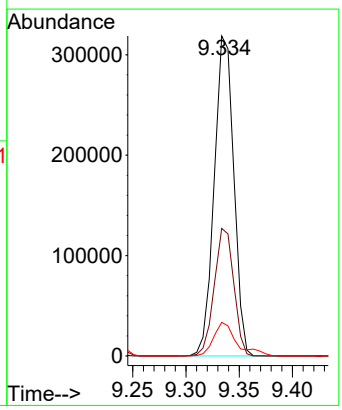


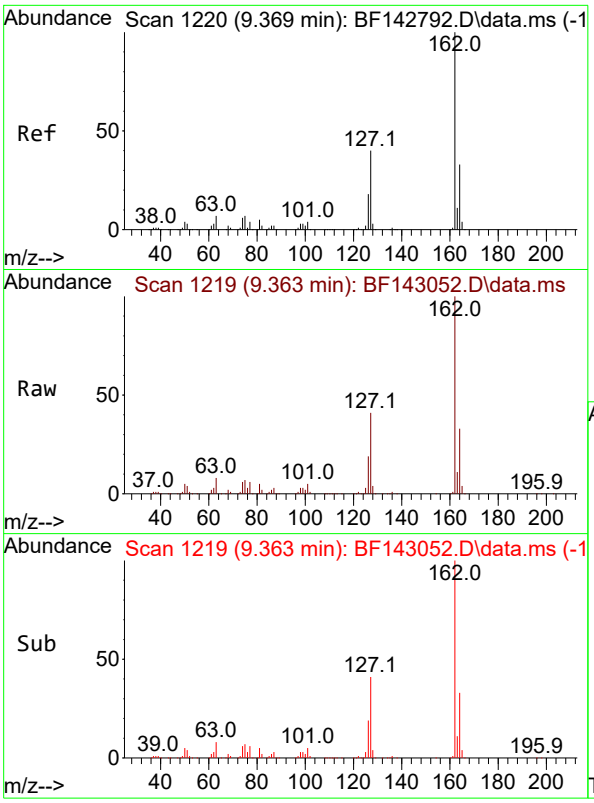




#46
1,1'-Biphenyl
Concen: 45.811 ng
RT: 9.334 min Scan# 1214
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:154 Resp: 406969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.8 | 20.3 | 60.3 |
| 76 | 10.5 | 0.0 | 30.3 |



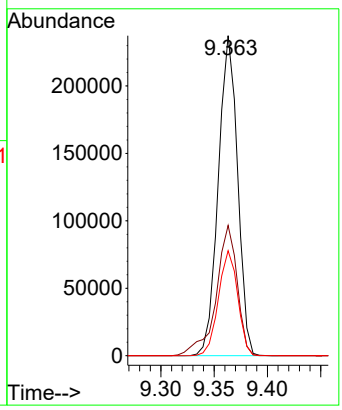


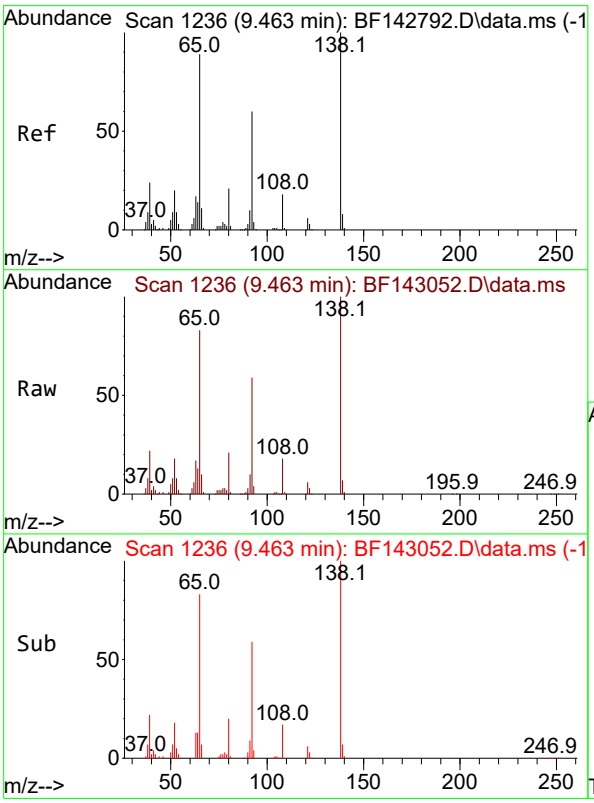

#47
2-Chloronaphthalene
Concen: 44.748 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:162 Resp: 298312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 40.7 | 32.2 | 48.2 |
| 164 | 32.8 | 26.1 | 39.1 |

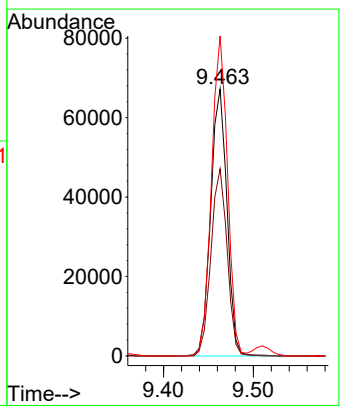


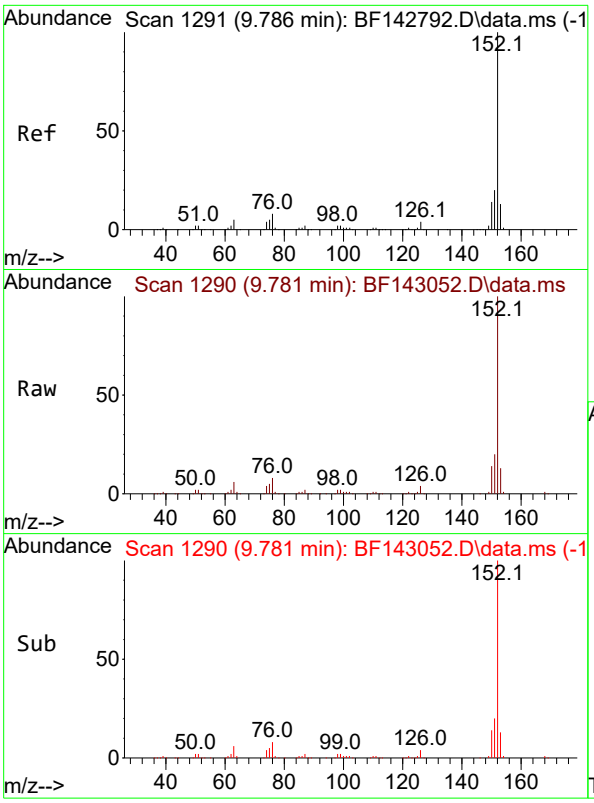




#48
2-Nitroaniline
Concen: 45.300 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion: 65 Resp: 84665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.1 | 53.8 | 80.6 |
| 138 | 119.8 | 89.6 | 134.4 |



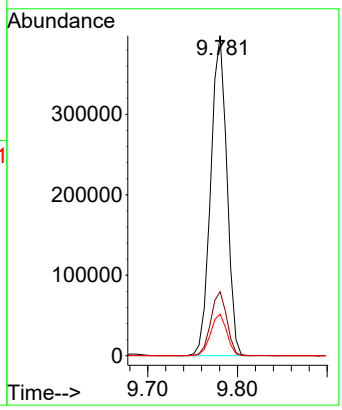


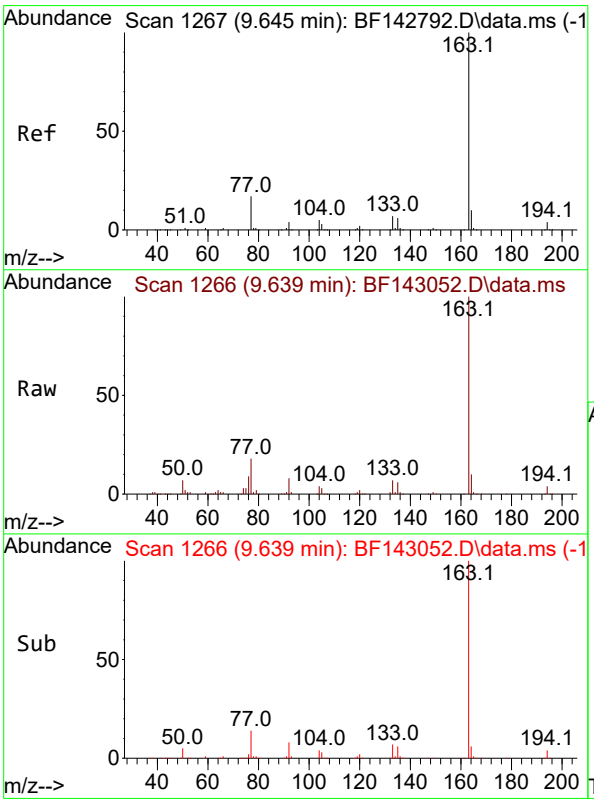

#49
Acenaphthylene
Concen: 45.203 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:152 Resp: 496079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 16.1 | 24.1 |
| 153 | 13.0 | 10.4 | 15.6 |

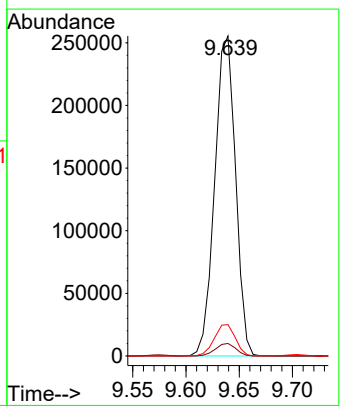


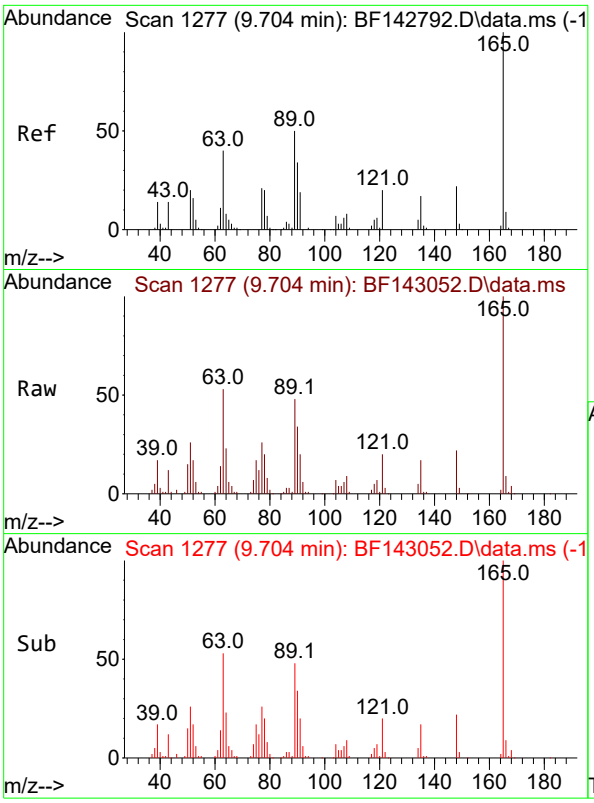




#50
Dimethylphthalate
Concen: 47.611 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:163 Resp: 346580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.3 | 4.9 |
| 164 | 9.8 | 8.0 | 12.0 |



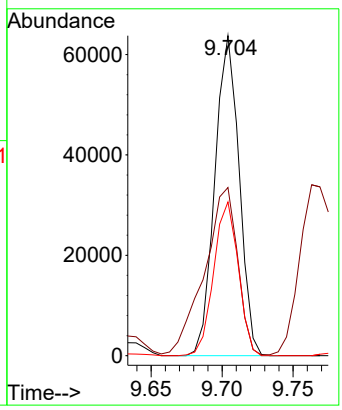


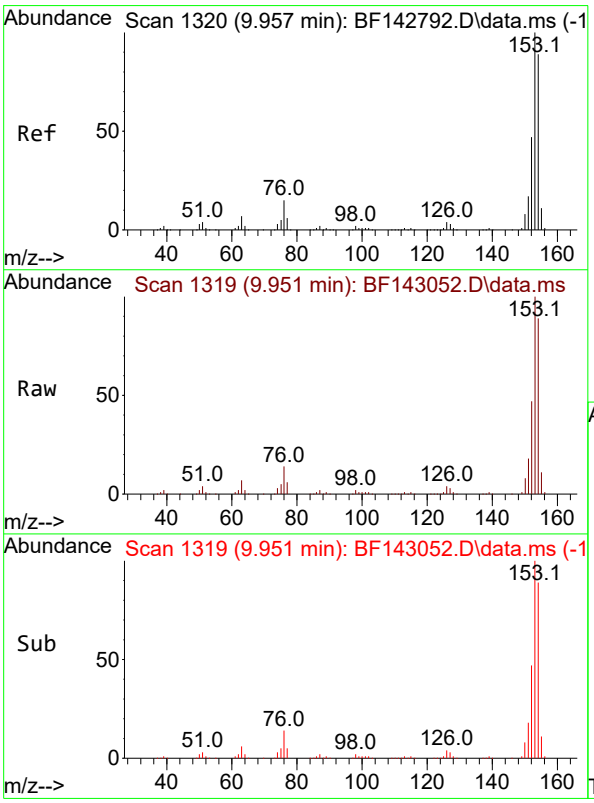

#51
2,6-Dinitrotoluene
Concen: 47.479 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:165 Resp: 75902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 52.5 | 44.2 | 66.4 |
| 89 | 48.1 | 39.8 | 59.8 |

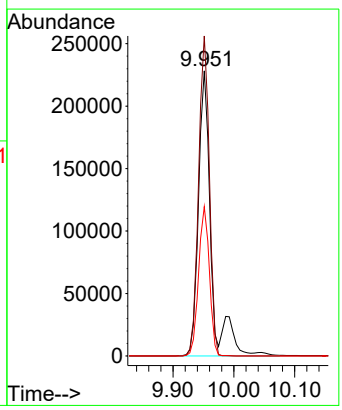


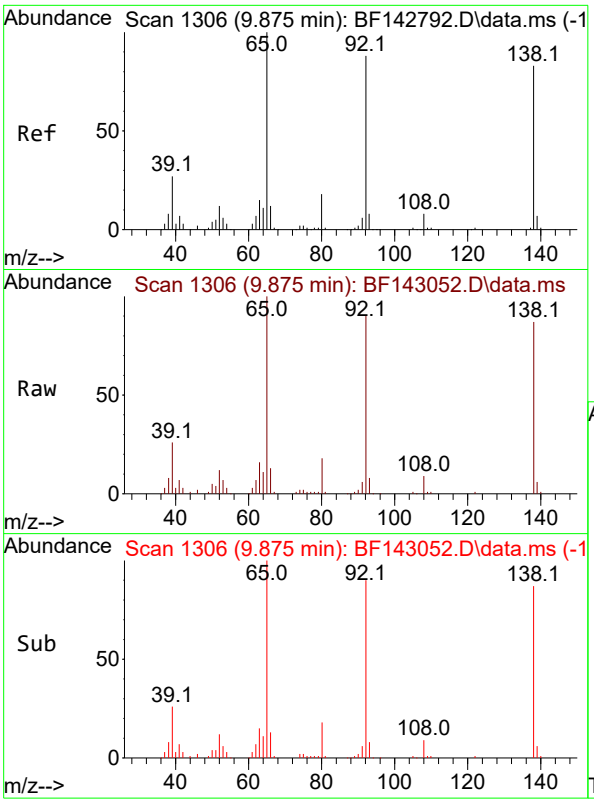




#52
Acenaphthene
Concen: 49.517 ng m
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:154 Resp: 331552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.3 | 90.0 | 135.0 |
| 152 | 52.4 | 41.9 | 62.9 |



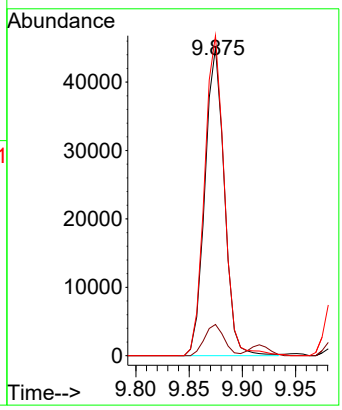


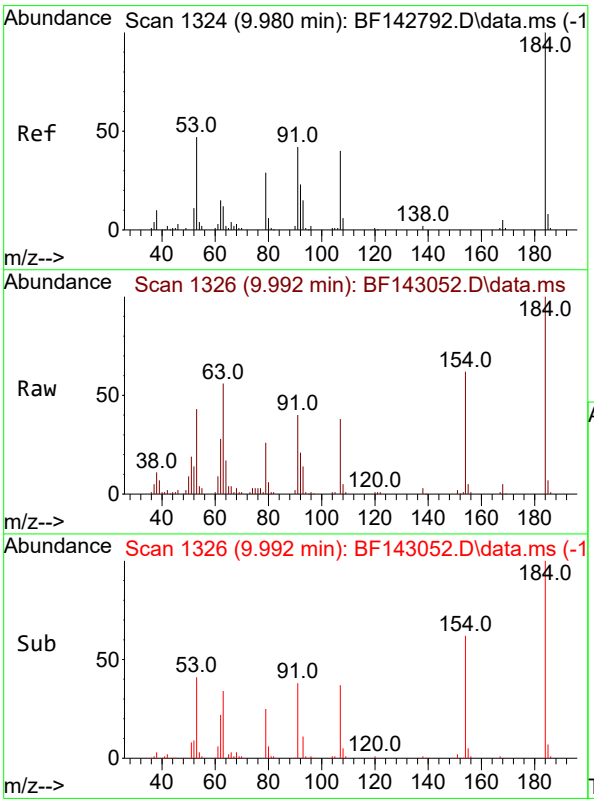

#53
3-Nitroaniline
Concen: 32.504 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:138 Resp: 57210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.1 | 8.1 | 12.1 |
| 92 | 103.8 | 85.1 | 127.7 |

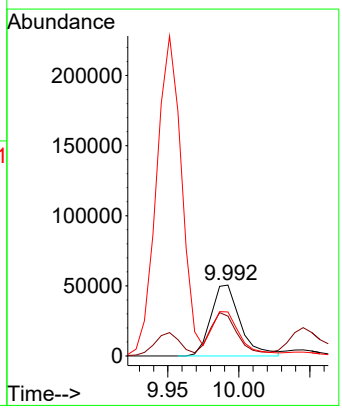


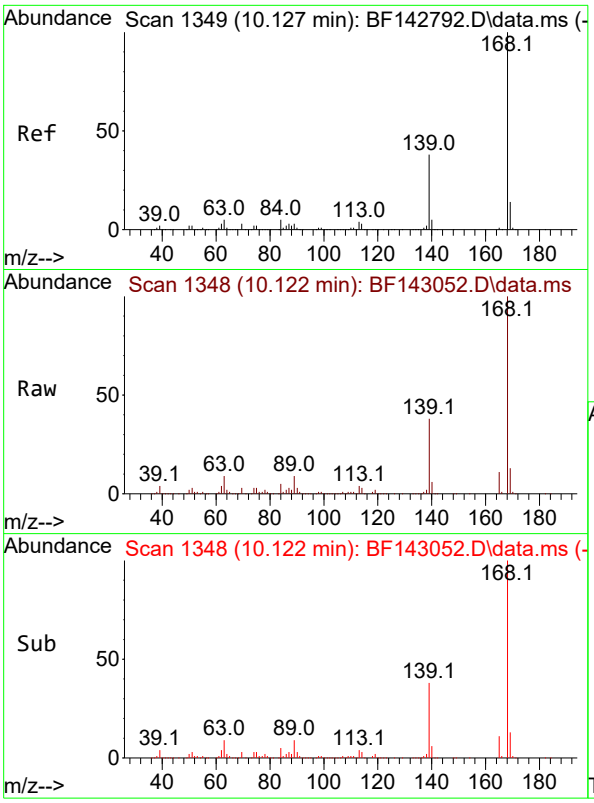




#54
2,4-Dinitrophenol
Concen: 91.012 ng
RT: 9.992 min Scan# 1326
Delta R.T. 0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:184 Resp: 72852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 56.2 | 50.6 | 75.8 |
| 154 | 62.1 | 51.8 | 77.8 |



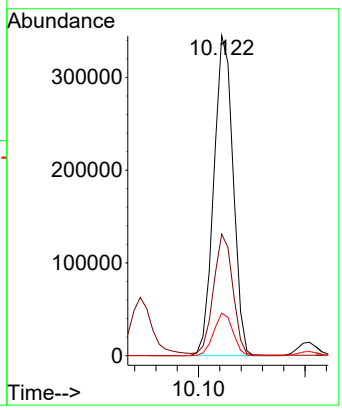


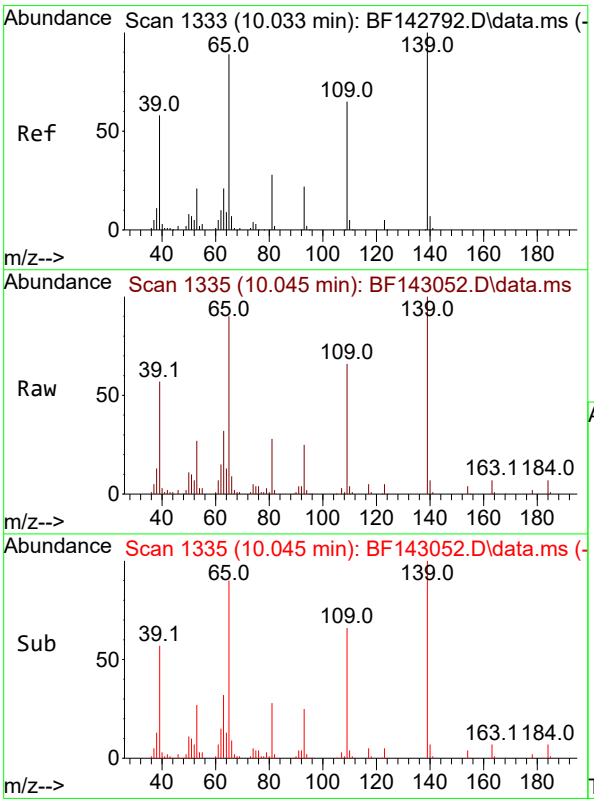

#55
Dibenzofuran
Concen: 45.100 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:168 Resp: 433030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.0 | 30.2 | 45.4 |
| 169 | 13.3 | 10.8 | 16.2 |

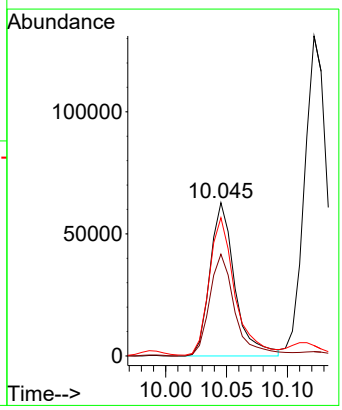


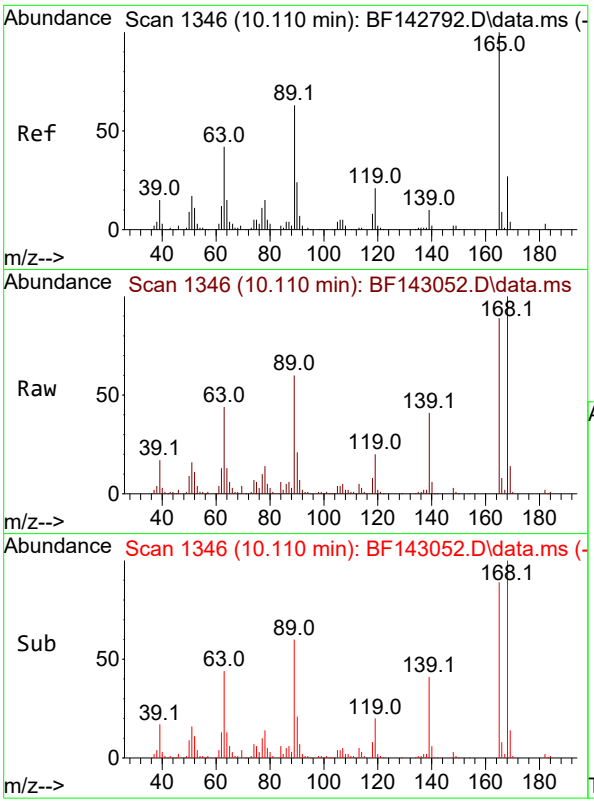




#56
4-Nitrophenol
Concen: 74.022 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:139 Resp: 89195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 66.4 | 44.7 | 84.7 |
| 65 | 90.2 | 69.8 | 109.8 |



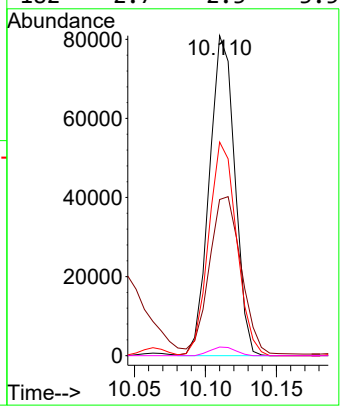


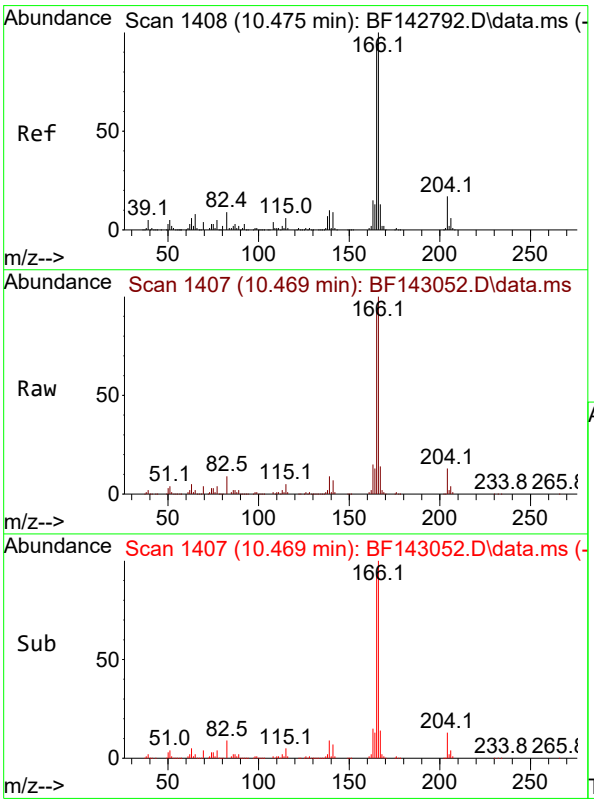

#57
2,4-Dinitrotoluene
Concen: 47.541 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:165 Resp: 100952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 48.8 | 33.9 | 50.9 |
| 89 | 66.8 | 50.6 | 75.8 |
| 182 | 2.7 | 2.3 | 3.5 |

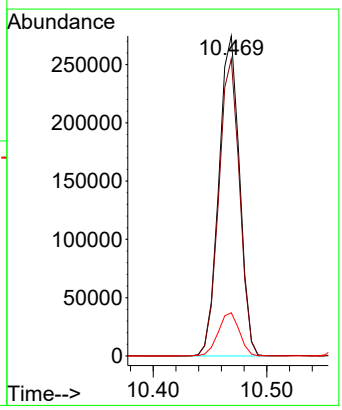


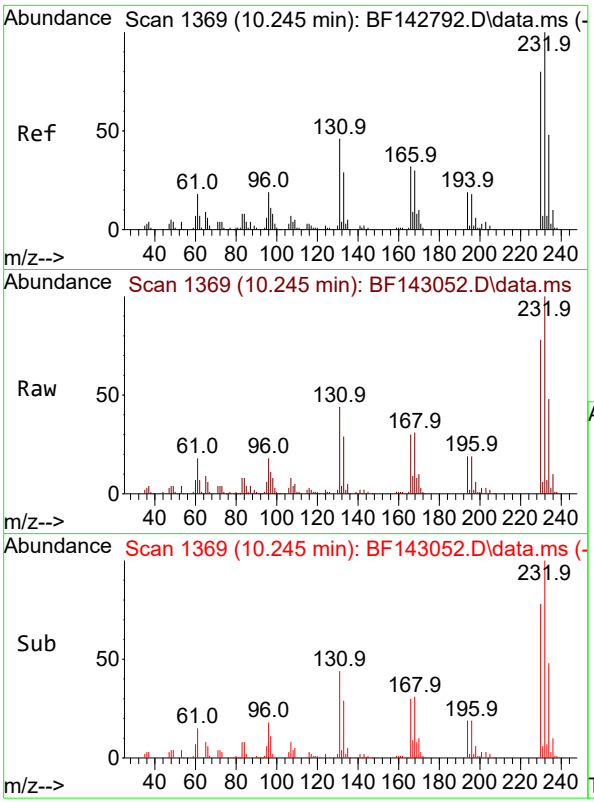




#58
Fluorene
Concen: 46.326 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:166 Resp: 347381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 92.8 | 75.2 | 112.8 |
| 167 | 13.5 | 10.6 | 15.8 |



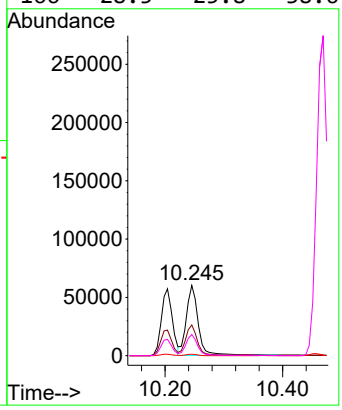


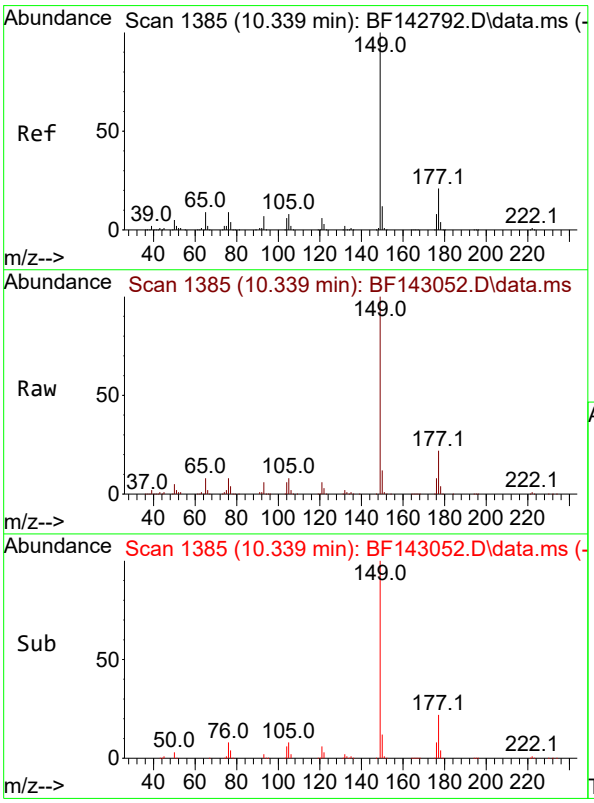

#59
2,3,4,6-Tetrachlorophenol
Concen: 45.889 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:232 Resp: 84193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 43.8 | 37.6 | 56.4 |
| 130 | 2.1 | 1.7 | 2.5 |
| 166 | 28.5 | 25.8 | 38.6 |

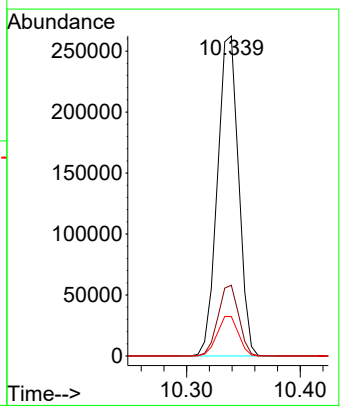


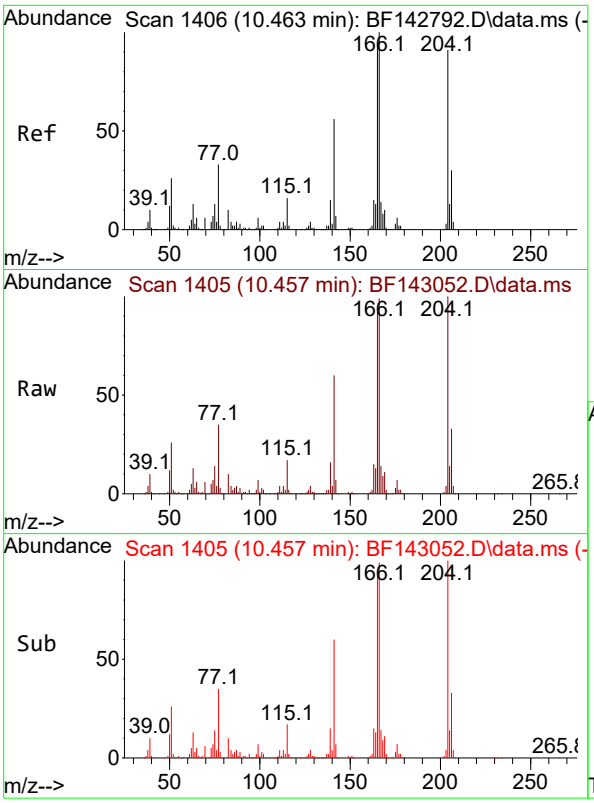




#60
Diethylphthalate
Concen: 47.636 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:149 Resp: 339999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.1 | 17.0 | 25.6 |
| 150 | 12.4 | 9.8 | 14.6 |



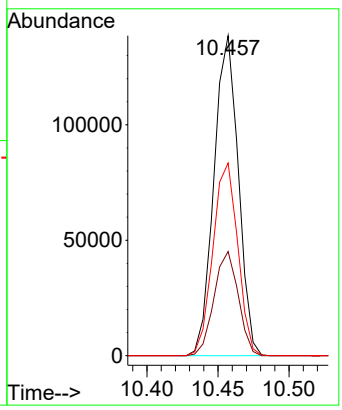


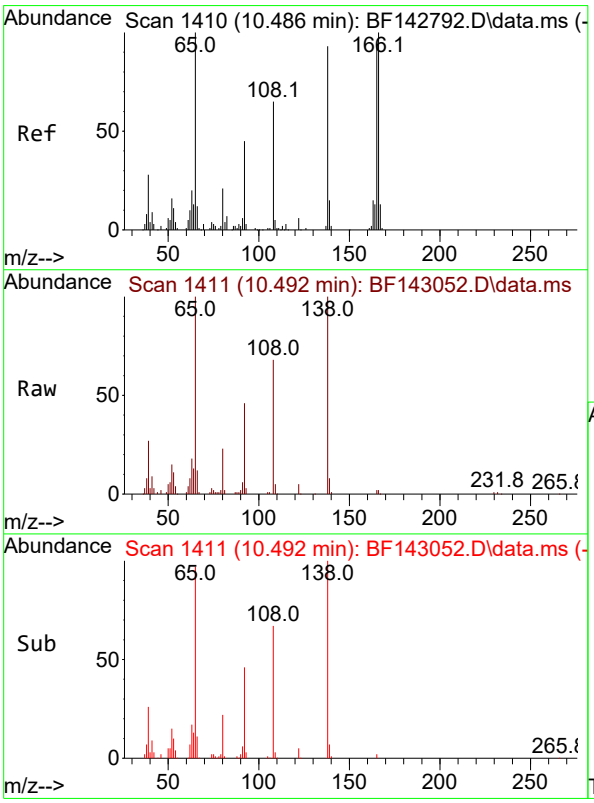

#61
4-Chlorophenyl-phenylether
Concen: 46.232 ng
RT: 10.457 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:204 Resp: 165430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.5 | 26.3 | 39.5 |
| 141 | 60.2 | 49.1 | 73.7 |

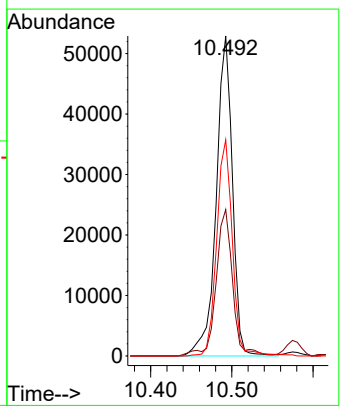


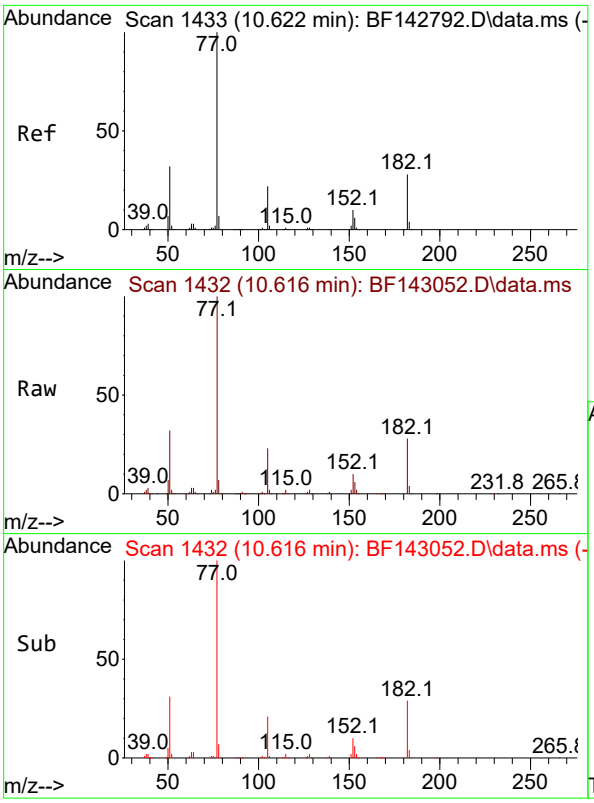




#62
4-Nitroaniline
Concen: 45.749 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:138 Resp: 73644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 45.7 | 28.4 | 68.4 |
| 108 | 67.6 | 50.2 | 90.2 |



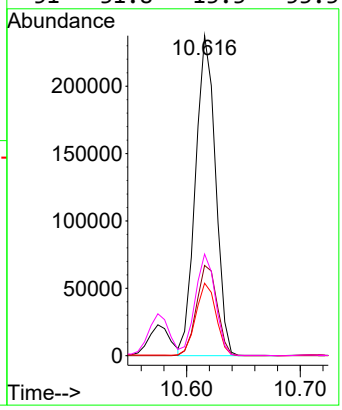


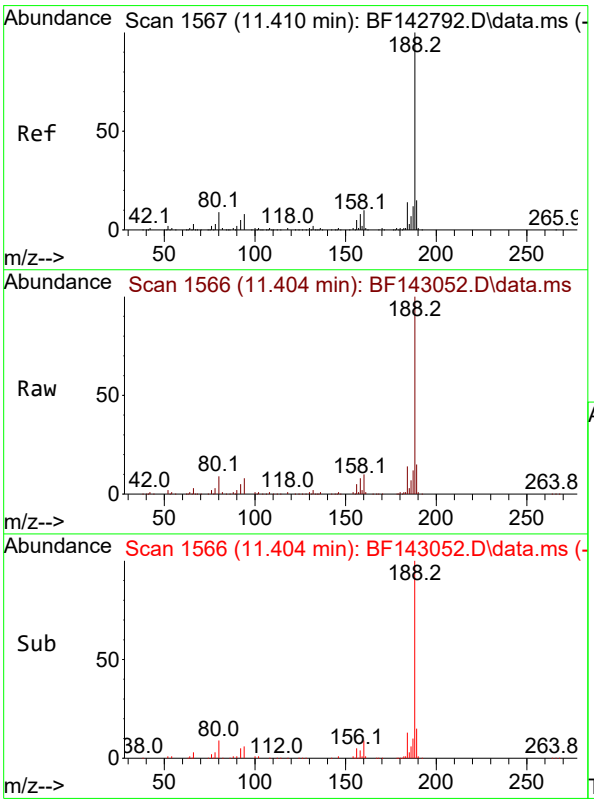

#63
Azobenzene
Concen: 45.781 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion: 77 Resp: 292044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.2 | 7.7 | 47.7 |
| 105 | 22.6 | 1.9 | 41.9 |
| 51 | 31.8 | 13.3 | 53.3 |

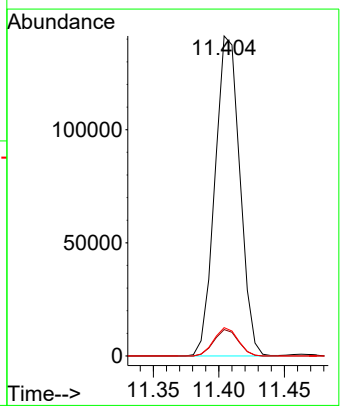


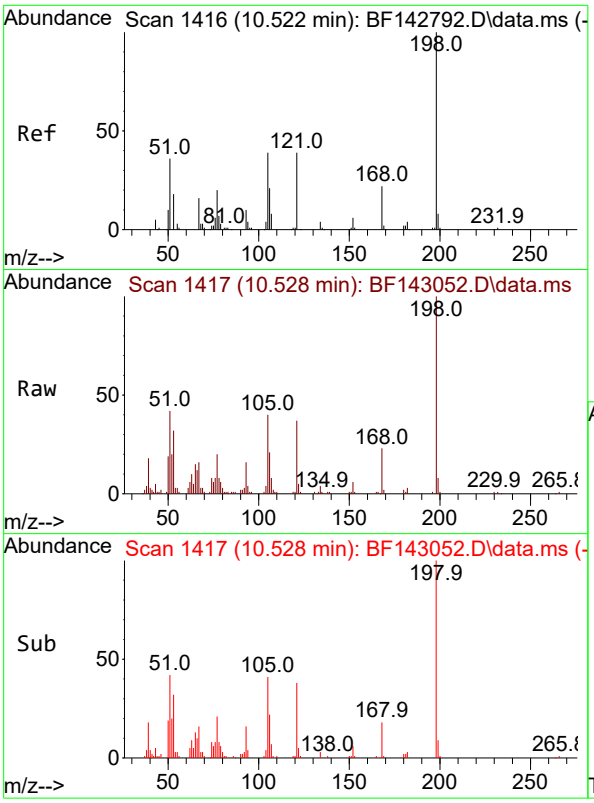




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:188 Resp: 186535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.3 | 6.7 | 10.1 |
| 80 | 8.8 | 6.9 | 10.3 |



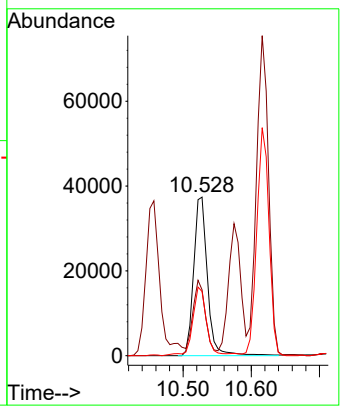


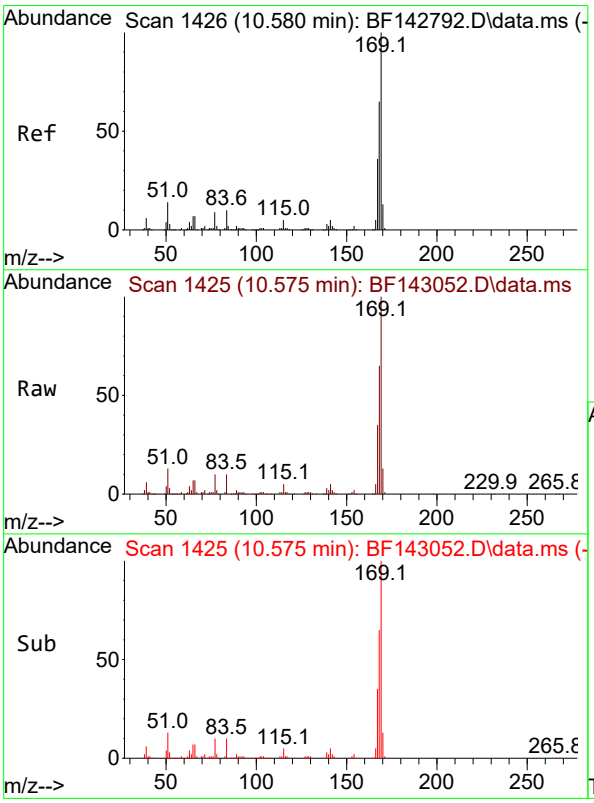

#65
4,6-Dinitro-2-methylphenol
Concen: 46.462 ng
RT: 10.528 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:198 Resp: 52422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 41.6 | 25.4 | 65.4 |
| 105 | 40.5 | 20.4 | 60.4 |

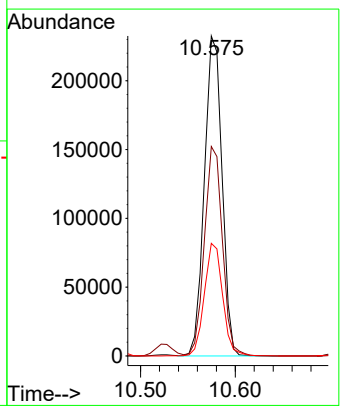


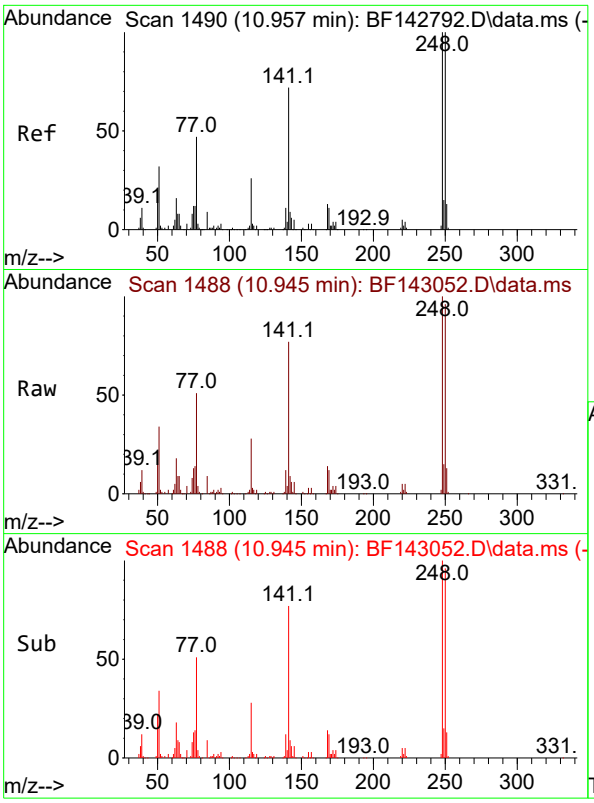




#66
n-Nitrosodiphenylamine
Concen: 46.419 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:169 Resp: 300094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.4 | 51.9 | 77.9 |
| 167 | 35.2 | 28.5 | 42.7 |



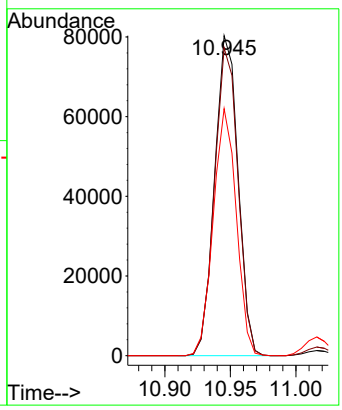


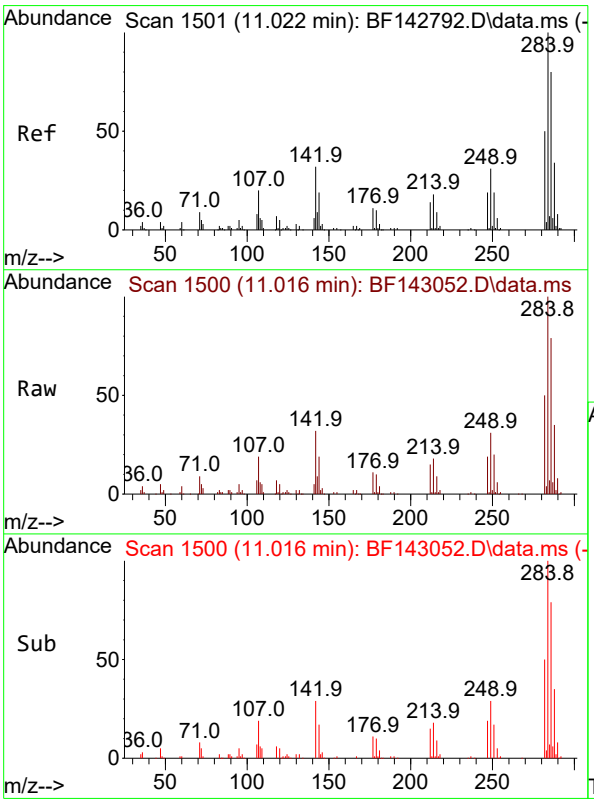

#67
4-Bromophenyl-phenylether
Concen: 46.957 ng
RT: 10.945 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:248 Resp: 99688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.2 | 79.8 | 119.8 |
| 141 | 77.2 | 57.8 | 86.6 |

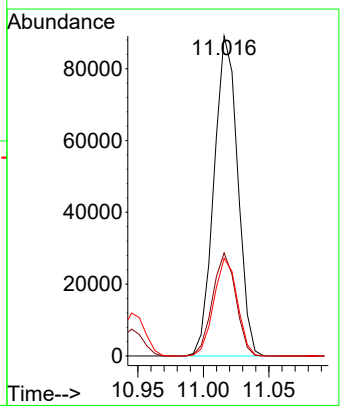


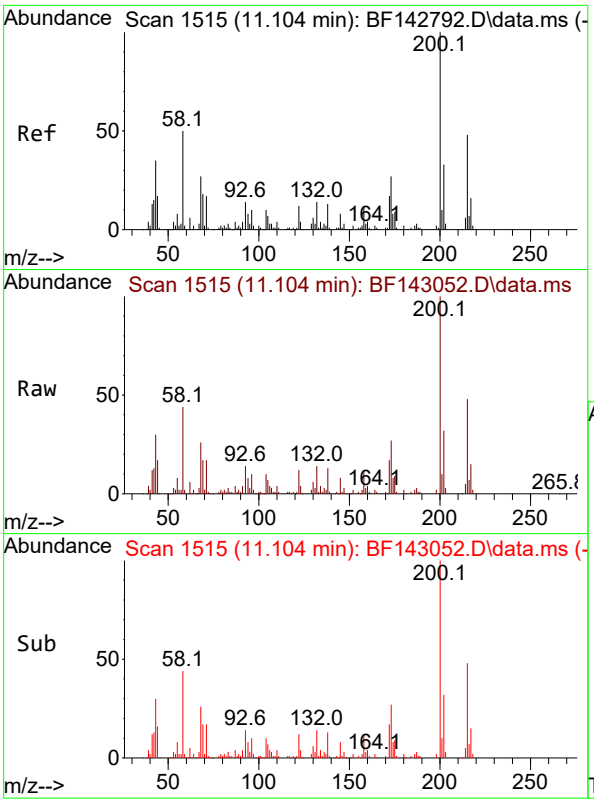




#68
Hexachlorobenzene
Concen: 47.367 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:284 Resp: 111735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.2 | 25.5 | 38.3 |
| 249 | 30.5 | 24.9 | 37.3 |



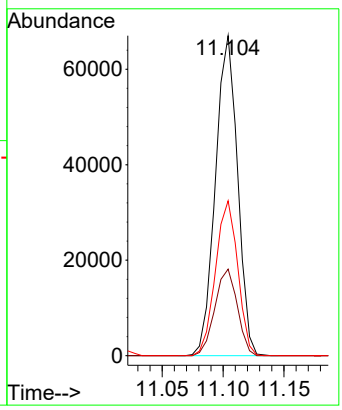


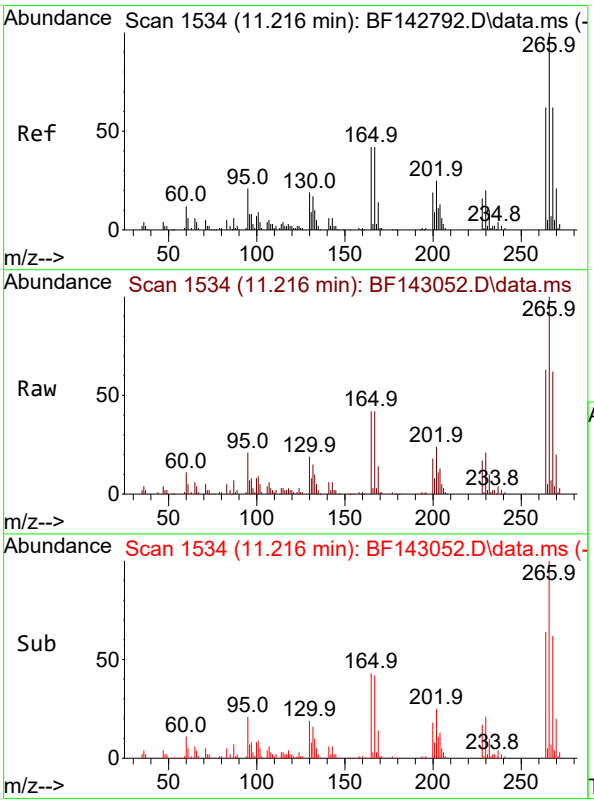

#69
Atrazine
Concen: 50.788 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:200 Resp: 84787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.0 | 7.4 | 47.4 |
| 215 | 48.4 | 28.4 | 68.4 |

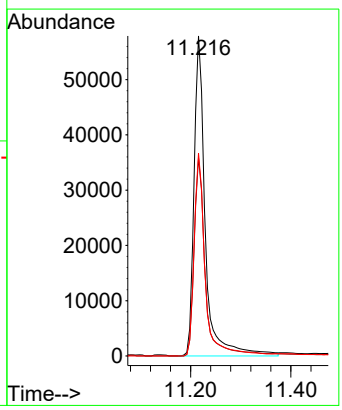


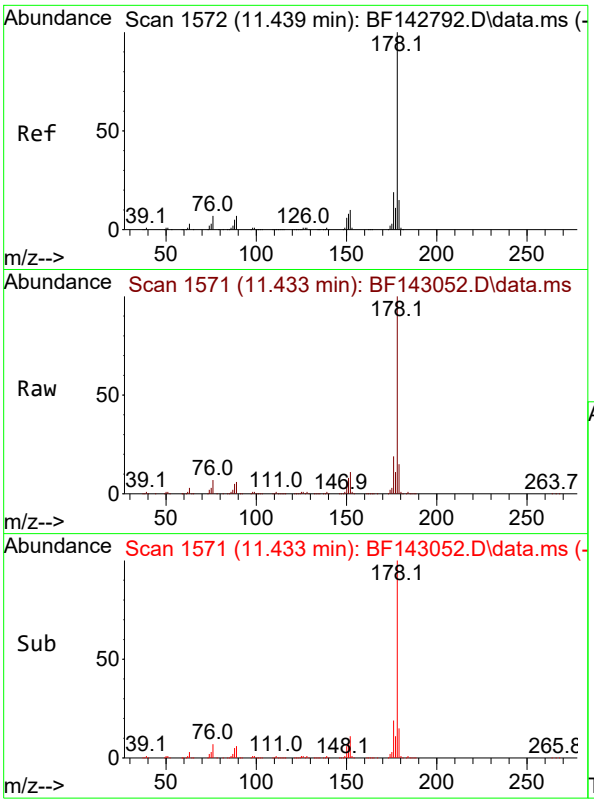




#70
Pentachlorophenol
Concen: 76.959 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:266 Resp: 90462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 61.9 | 49.8 | 74.8 |
| 264 | 63.4 | 49.9 | 74.9 |



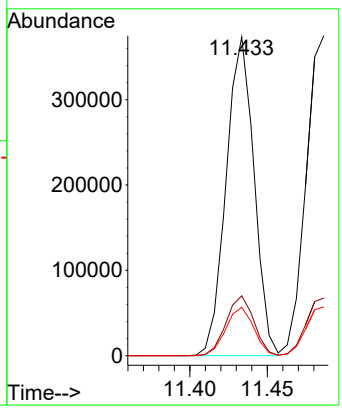


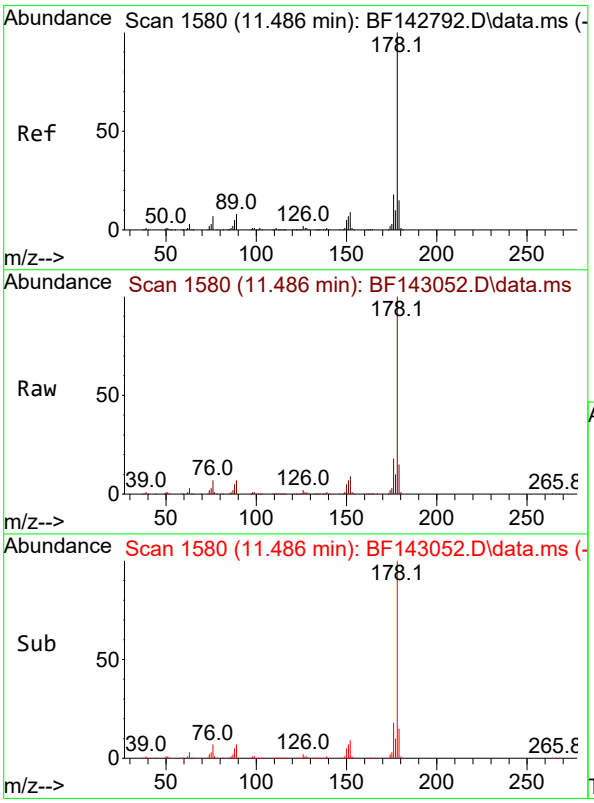

#71
Phenanthrene
Concen: 46.230 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:178 Resp: 467137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.1 | 22.7 |
| 179 | 15.2 | 12.0 | 18.0 |

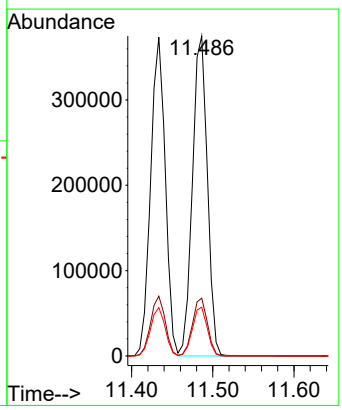


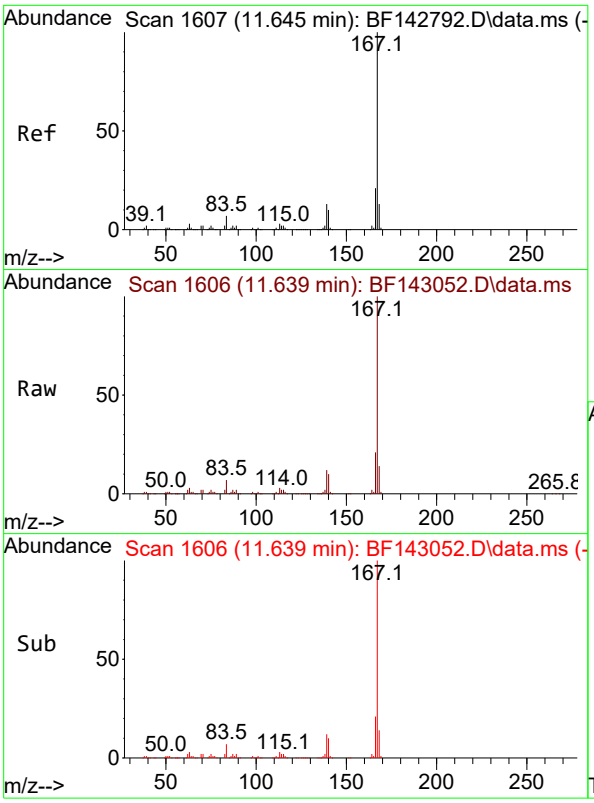




#72
Anthracene
Concen: 46.217 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:178 Resp: 478957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.0 | 14.6 | 21.8 |
| 179 | 15.2 | 12.4 | 18.6 |



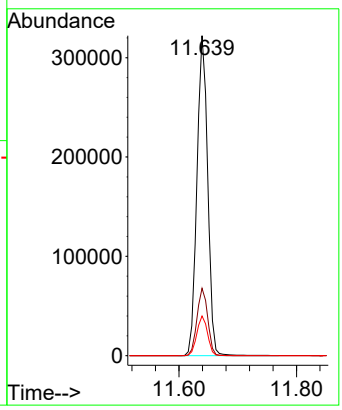


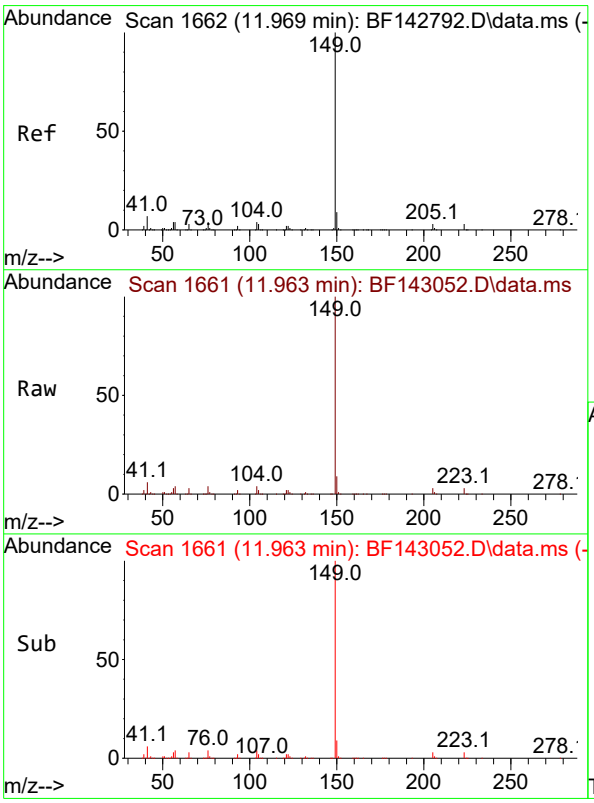

#73
Carbazole
Concen: 45.738 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:167 Resp: 409036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.1 | 17.0 | 25.4 |
| 139 | 12.4 | 10.2 | 15.2 |

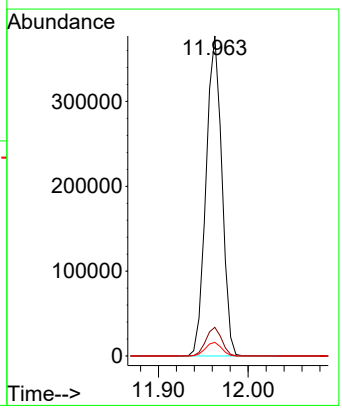


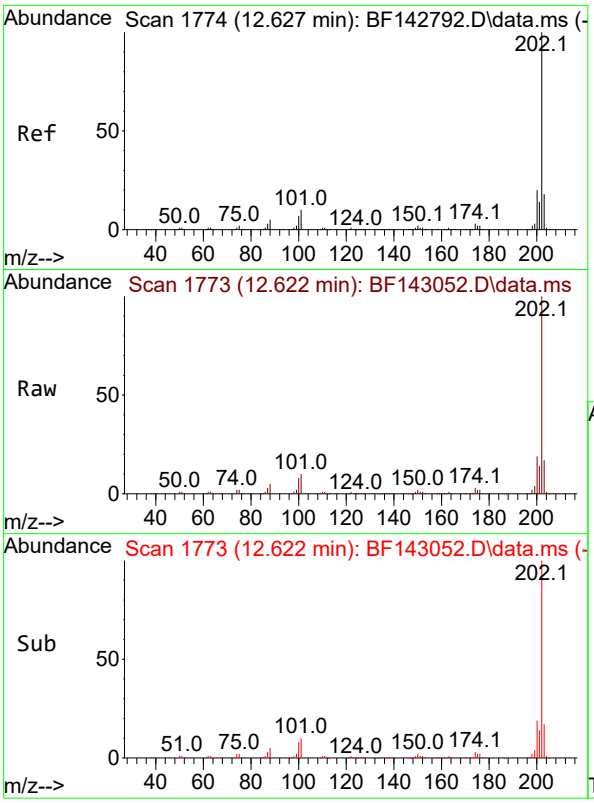




#74
Di-n-butylphthalate
Concen: 49.542 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:149 Resp: 461555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.4 | 11.0 |
| 104 | 4.3 | 3.5 | 5.3 |



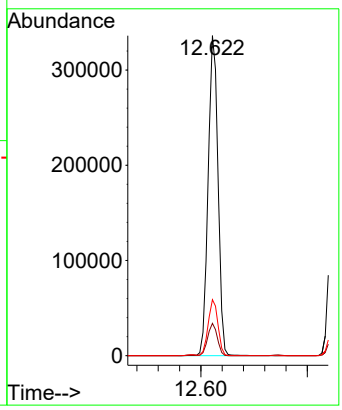


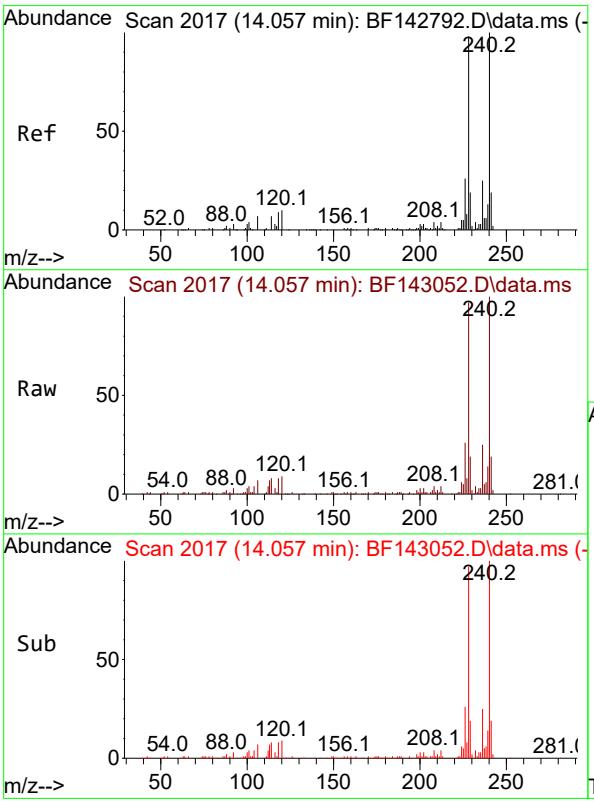

#75
Fluoranthene
Concen: 44.925 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:202 Resp: 430822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.1 | 0.0 | 29.7 |
| 203 | 17.5 | 0.0 | 37.5 |

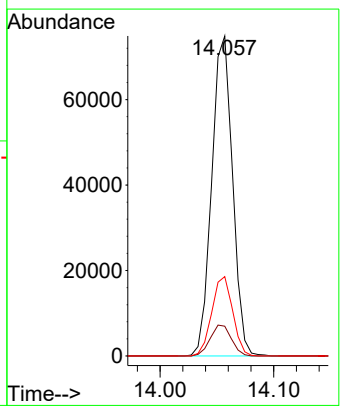


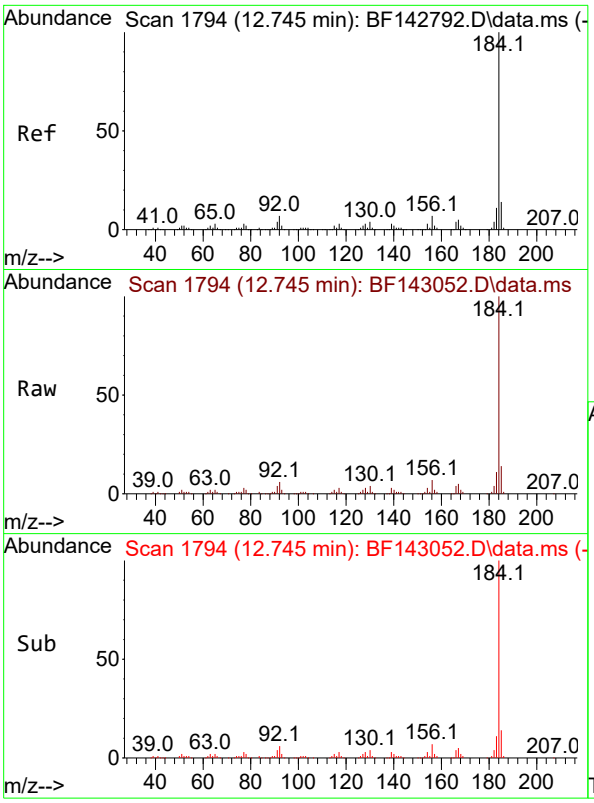




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:240 Resp: 95347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.3 | 8.2 | 12.2 |
| 236 | 24.8 | 19.8 | 29.8 |



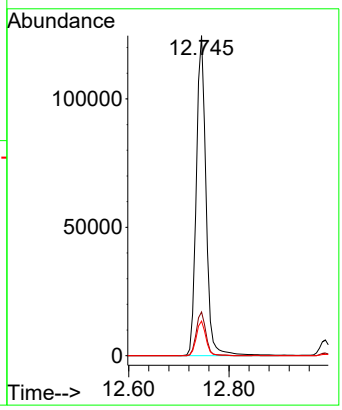


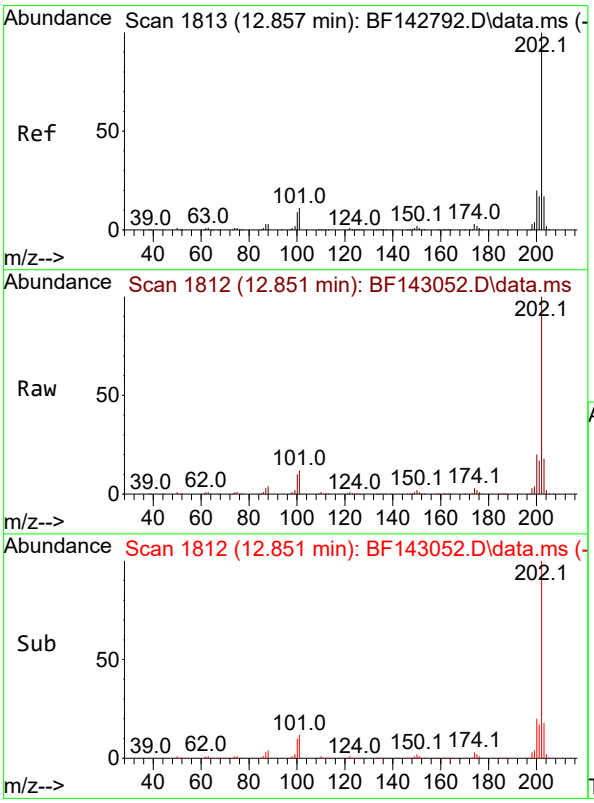

#77
Benzidine
Concen: 46.620 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:184 Resp: 167006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.6 | 11.5 | 17.3 |
| 183 | 10.8 | 9.0 | 13.4 |

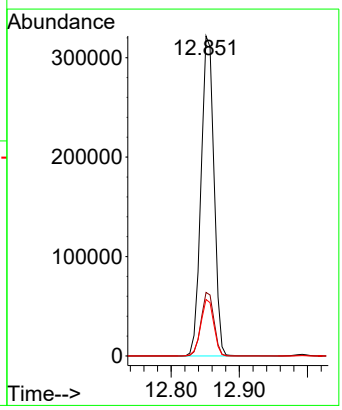


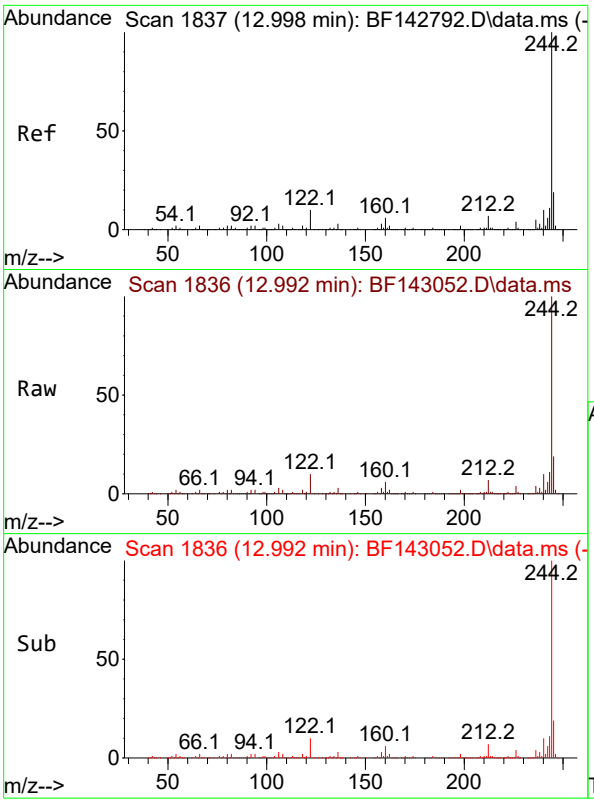




#78
Pyrene
Concen: 47.590 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:202 Resp: 425324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.8 | 15.7 | 23.5 |
| 203 | 17.7 | 13.8 | 20.6 |



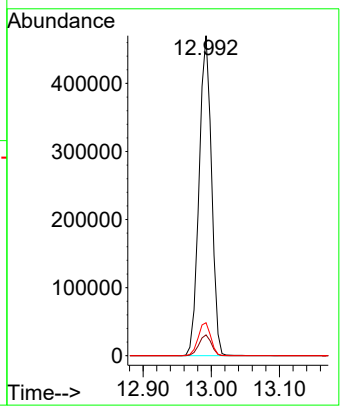


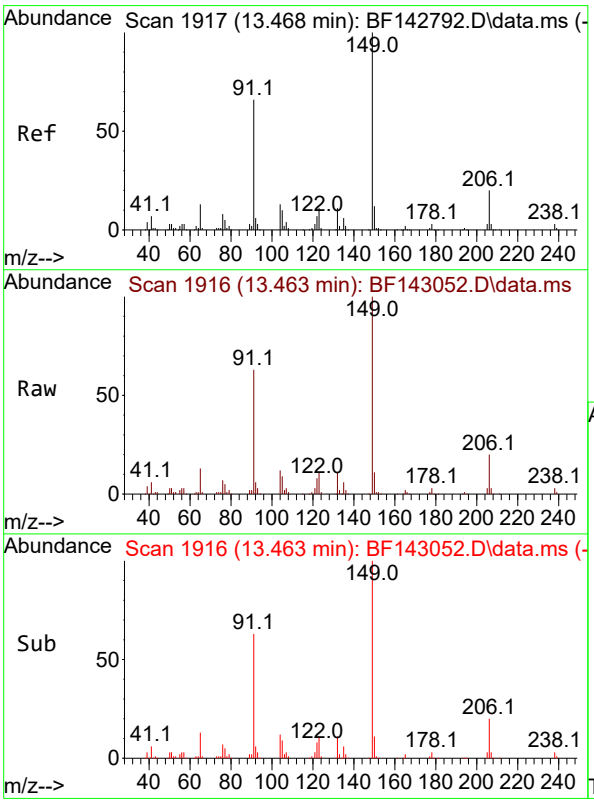

#79
Terphenyl-d14
Concen: 86.278 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:244 Resp: 595381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.5 | 5.4 | 8.0 |
| 122 | 10.3 | 8.2 | 12.2 |

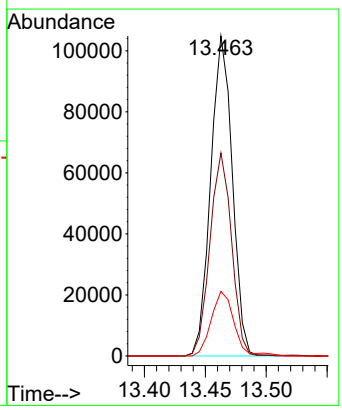


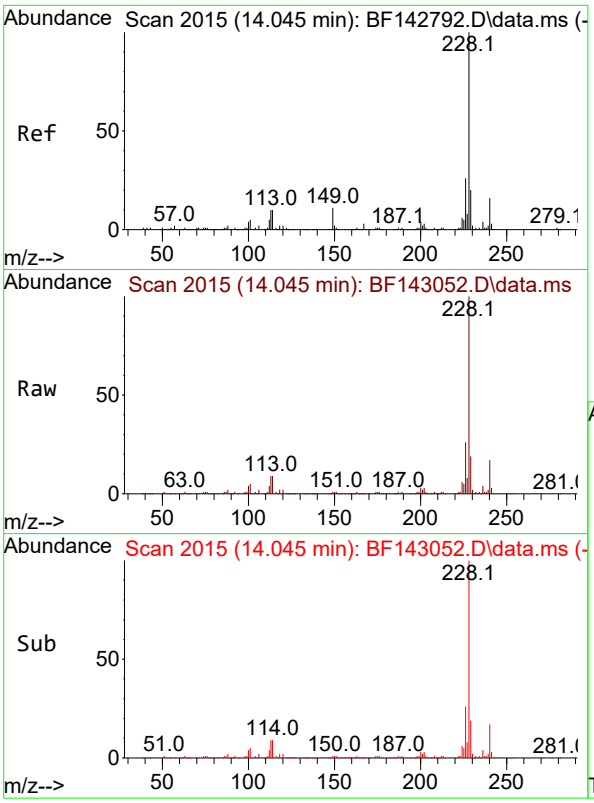




#80
Butylbenzylphthalate
Concen: 49.938 ng
RT: 13.463 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:149 Resp: 129463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 63.5 | 52.9 | 79.3 |
| 206 | 20.2 | 16.3 | 24.5 |



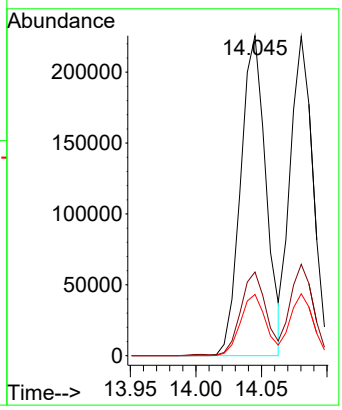


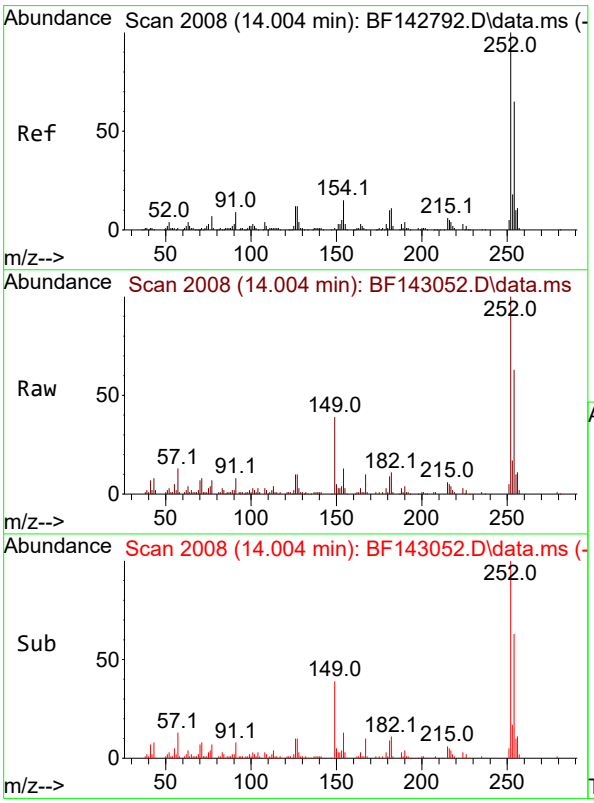

#81
Benzo(a)anthracene
Concen: 47.186 ng
RT: 14.045 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:228 Resp: 303507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.1 | 21.2 | 31.8 |
| 229 | 19.2 | 15.6 | 23.4 |

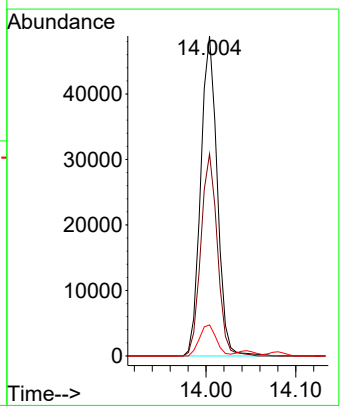


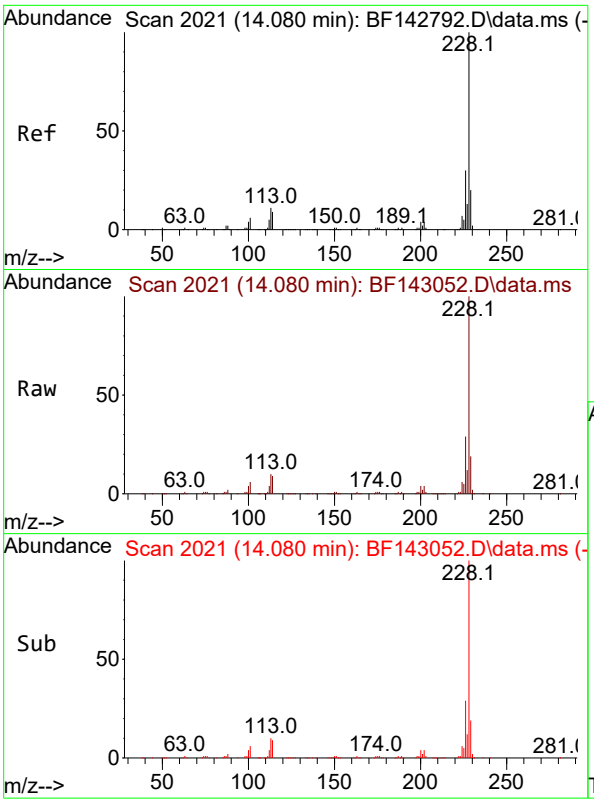




#82
3,3'-Dichlorobenzidine
Concen: 29.967 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:252 Resp: 62521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.1 | 51.7 | 77.5 |
| 126 | 9.7 | 9.4 | 14.2 |



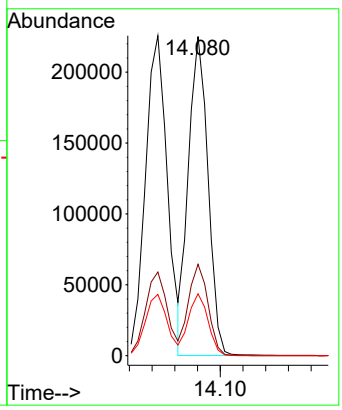


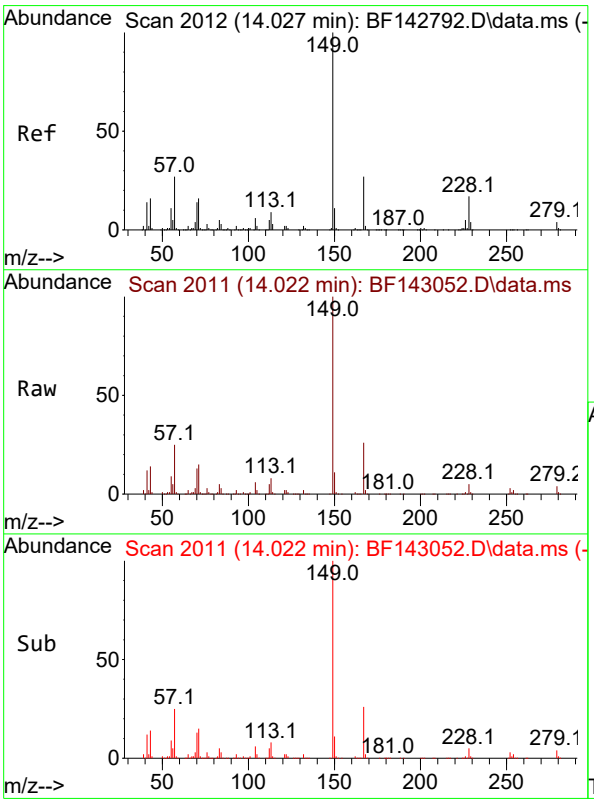

#83
Chrysene
Concen: 46.990 ng
RT: 14.080 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:228 Resp: 269701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.6 | 23.7 | 35.5 |
| 229 | 19.4 | 15.7 | 23.5 |

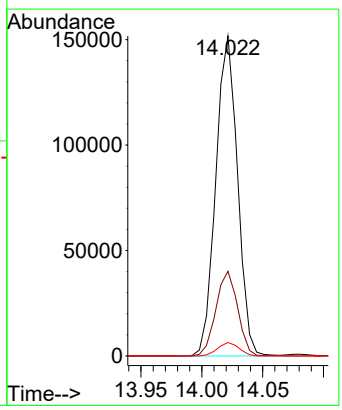


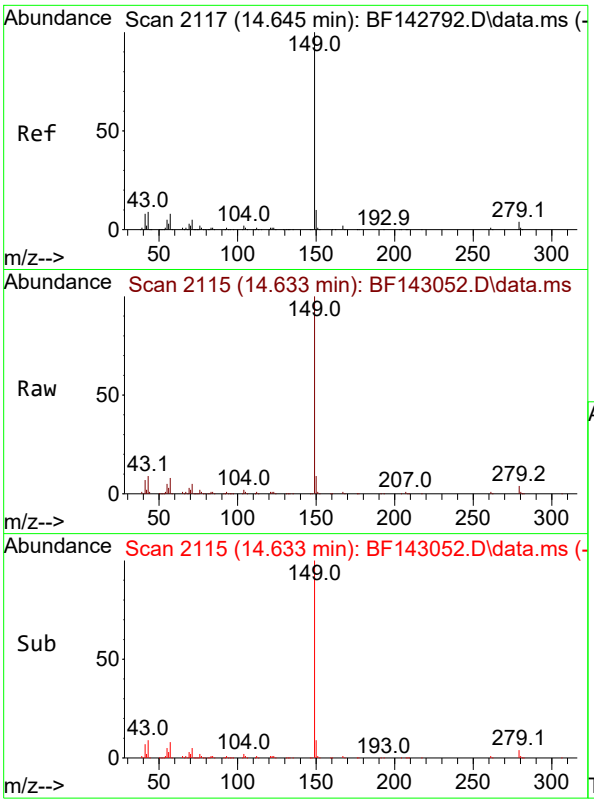




#84
Bis(2-ethylhexyl)phthalate
Concen: 50.617 ng
RT: 14.022 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:149 Resp: 188801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.4 | 21.4 | 32.0 |
| 279 | 4.2 | 3.0 | 4.6 |



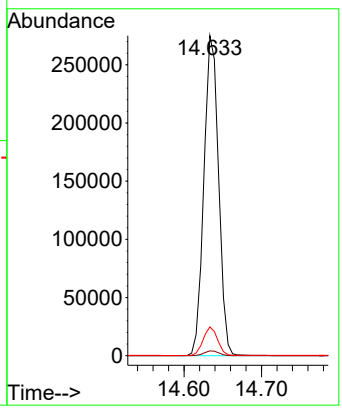


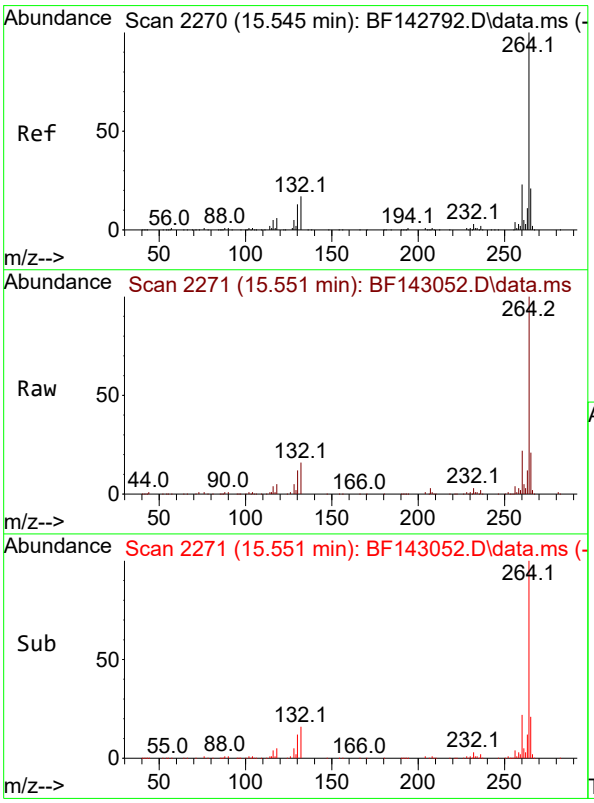

#85
Di-n-octyl phthalate
Concen: 51.389 ng
RT: 14.633 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:149 Resp: 361435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 8.7 | 7.6 | 11.4 |

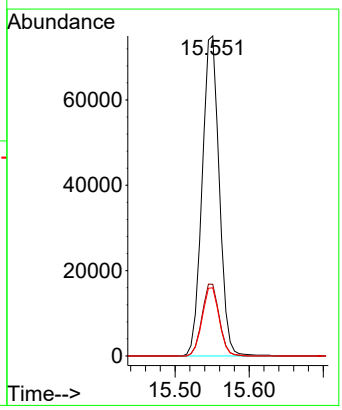


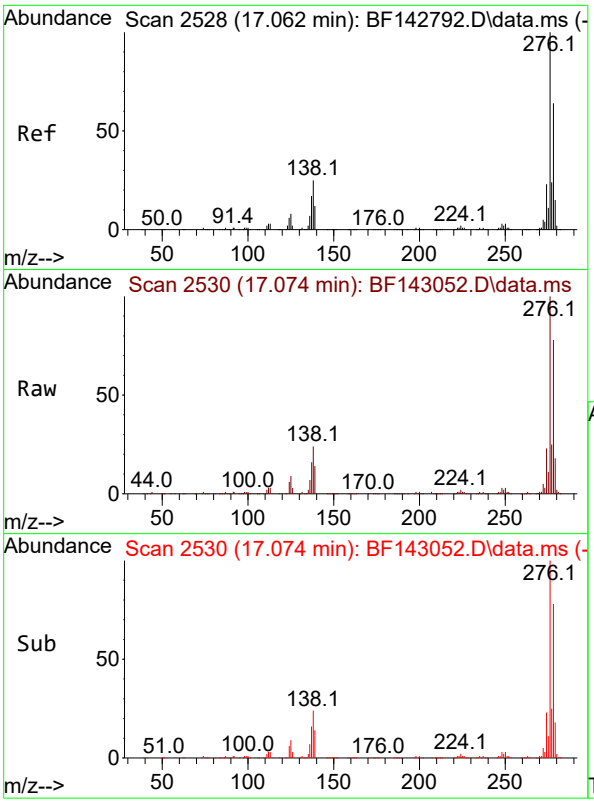




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:264 Resp: 120157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.4 | 18.1 | 27.1 |
| 265 | 21.3 | 16.6 | 25.0 |



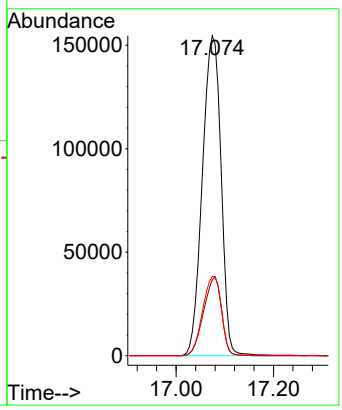


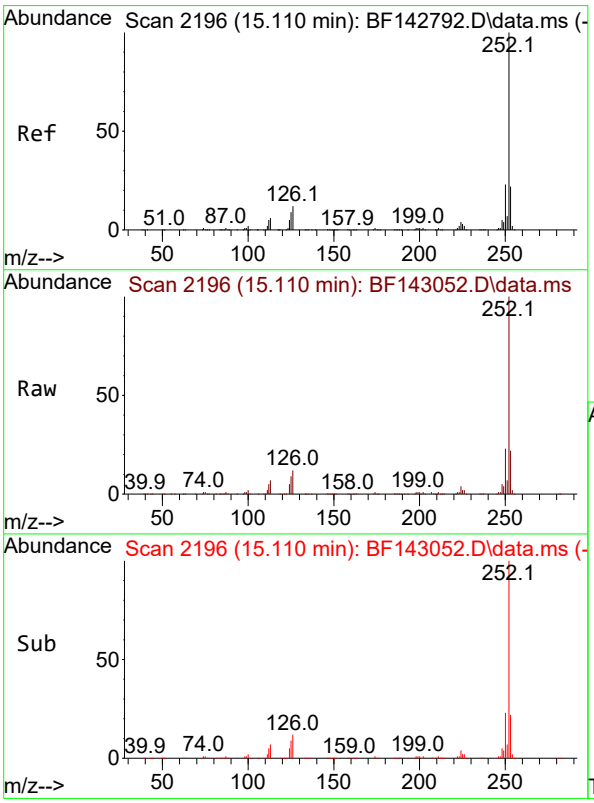

#87
Indeno(1,2,3-cd)pyrene
Concen: 44.869 ng
RT: 17.074 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:276 Resp: 410655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.7 | 20.2 | 30.4 |
| 277 | 24.9 | 19.8 | 29.6 |

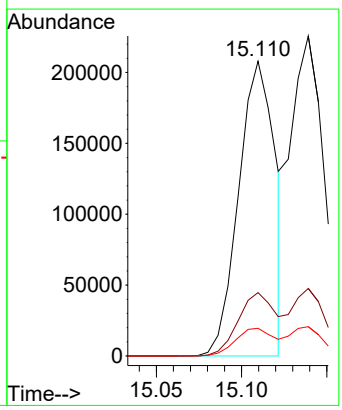


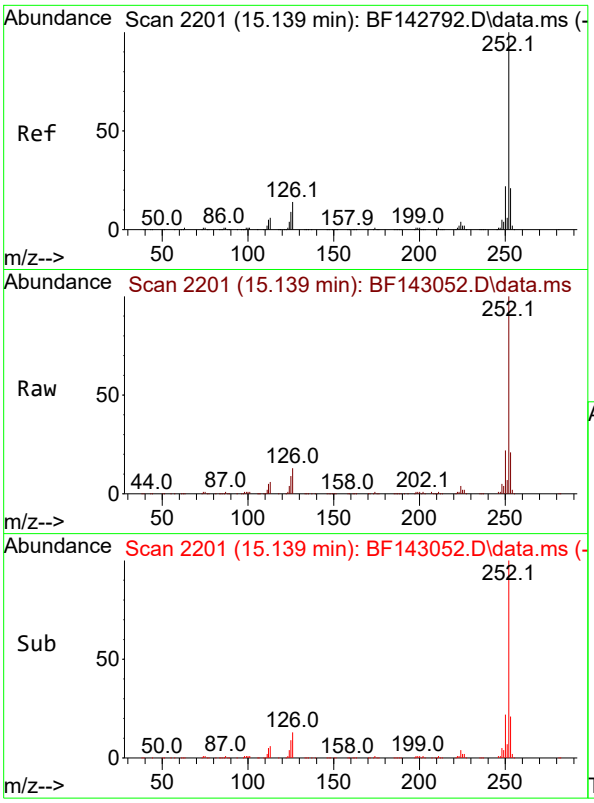




#88
Benzo(b)fluoranthene
Concen: 44.299 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:252 Resp: 308004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.5 | 26.3 |
| 125 | 9.4 | 7.4 | 11.0 |



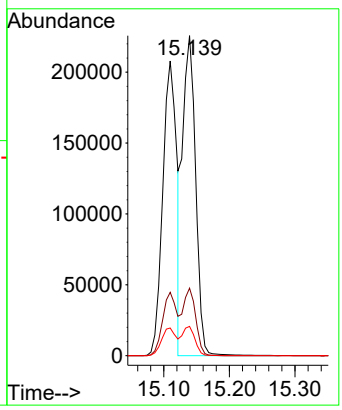


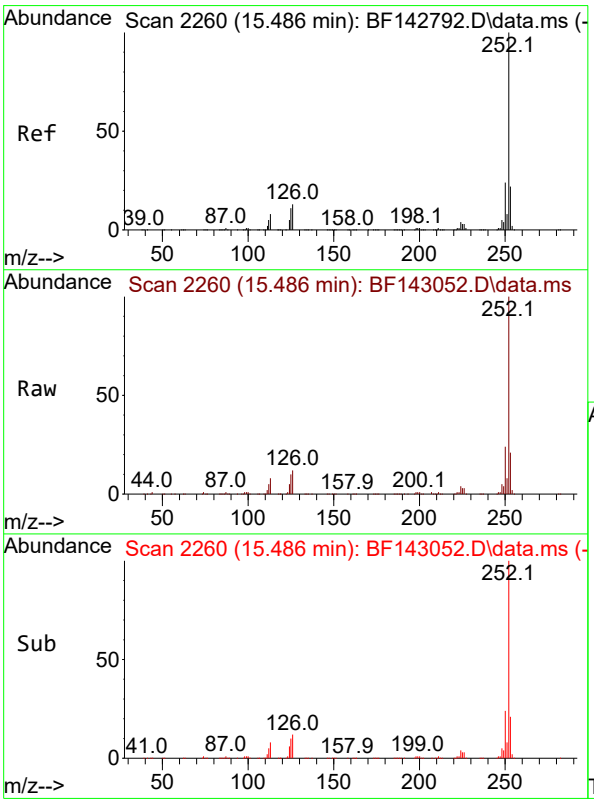

#89
Benzo(k)fluoranthene
Concen: 47.795 ng
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:252 Resp: 310901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.1 | 17.2 | 25.8 |
| 125 | 9.2 | 7.4 | 11.2 |

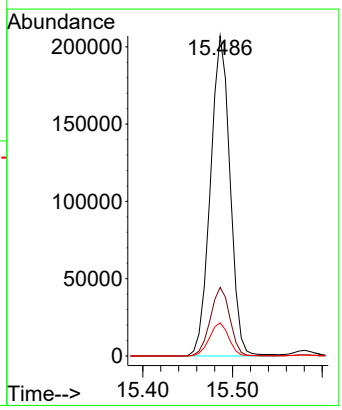


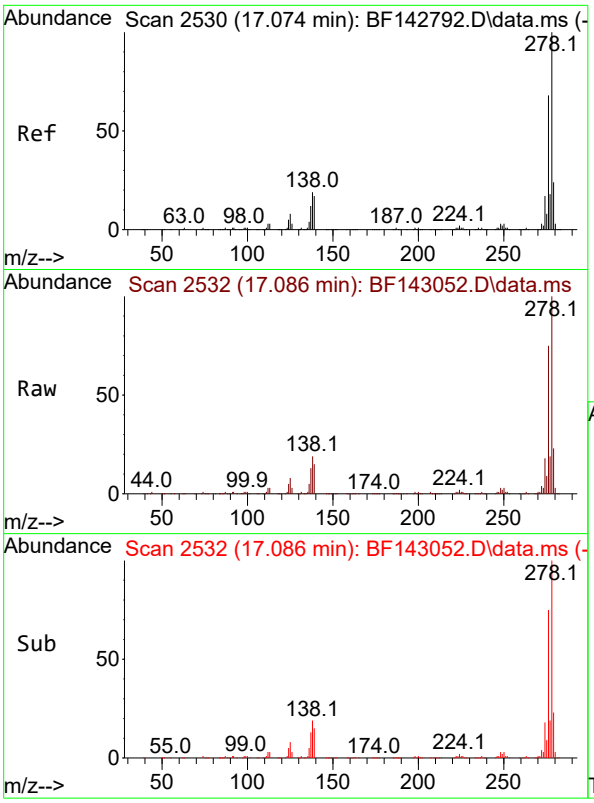




#90
Benzo(a)pyrene
Concen: 46.817 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:252 Resp: 314463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.5 | 26.3 |
| 125 | 10.3 | 8.6 | 12.8 |



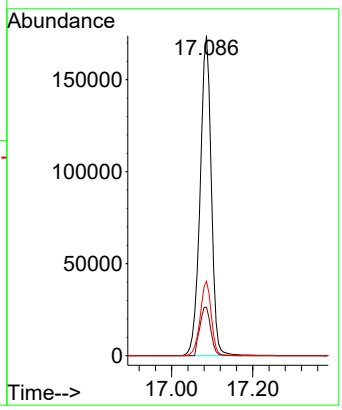


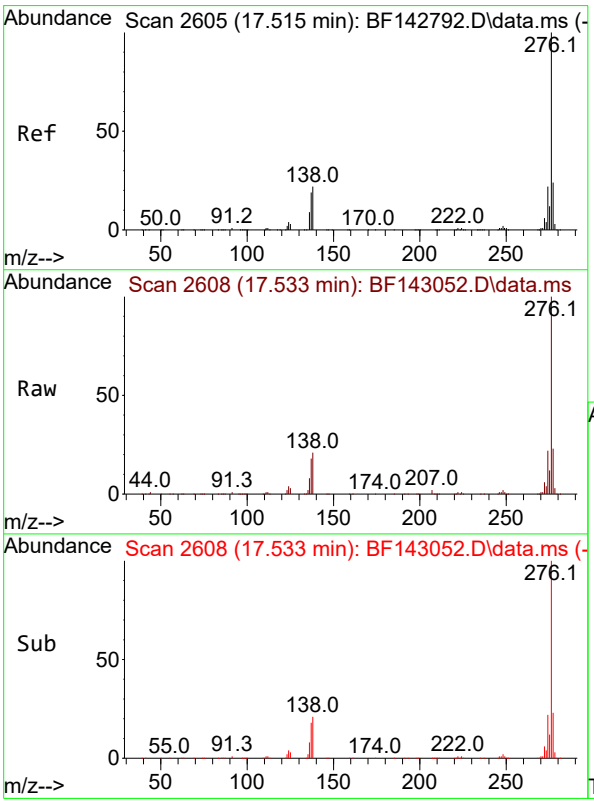

#91
Dibenzo(a,h)anthracene
Concen: 44.769 ng
RT: 17.086 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

**Instrument :**
BNA_F
**ClientSampleId :**
PB168750BS

Tgt Ion:278 Resp: 332919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.1 | 13.5 | 20.3 |
| 279 | 23.3 | 18.8 | 28.2 |

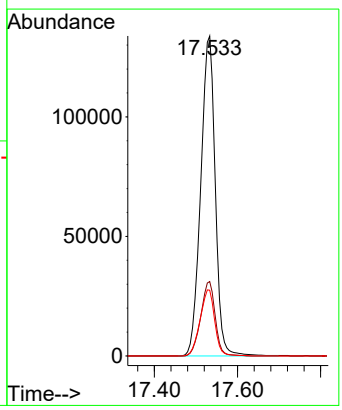



#92
Benzo(g,h,i)perylene
Concen: 43.784 ng
RT: 17.533 min Scan# 2608
Delta R.T. 0.018 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:276 Resp: 324667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 18.8 | 28.2 |
| 138 | 20.6 | 17.6 | 26.4 |



Raw Data: **BF143013.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/01/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/01/25 |
| Client Sample ID: | WC-1MS | SDG No.: | Q2489 |
| Lab Sample ID: | Q2478-04MS | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143013.D | 1 | 07/07/25 11:15 | 07/07/25 17:19 | PB168750 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 340 | | 12.8 | 50.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 380 | | 5.30 | 50.0 | ug/L |
| 95-48-7 | 2-Methylphenol | 400 | | 11.2 | 50.0 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 420 | | 11.0 | 100 | ug/L |
| 67-72-1 | Hexachloroethane | 380 | | 6.50 | 50.0 | ug/L |
| 98-95-3 | Nitrobenzene | 430 | | 7.60 | 50.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 410 | | 5.40 | 50.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 430 | | 5.10 | 50.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 430 | | 6.20 | 50.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 440 | | 12.2 | 50.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | 450 | | 5.20 | 50.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 750 | | 15.8 | 100 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 113 | | 23 - 138 | 75% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 107 | | 10 - 134 | 71% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 78.0 | | 67 - 132 | 78% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 80.3 | | 52 - 132 | 80% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 115 | | 44 - 137 | 77% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 63.2 | | 42 - 152 | 63% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 66700 | 6.875 | | | |
| 1146-65-2 | Naphthalene-d8 | 246000 | 8.157 | | | |
| 15067-26-2 | Acenaphthene-d10 | 121000 | 9.916 | | | |
| 1517-22-2 | Phenanthrene-d10 | 170000 | 11.41 | | | |
| 1719-03-5 | Chrysene-d12 | 131000 | 14.057 | | | |
| 1520-96-3 | Perylene-d12 | 128000 | 15.551 | | | |

Raw Data: **BF143013.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/01/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/01/25 |
| Client Sample ID: | WC-1MS | SDG No.: | Q2489 |
| Lab Sample ID: | Q2478-04MS | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143013.D | 1 | 07/07/25 11:15 | 07/07/25 17:19 | PB168750 |

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

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

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

Sample Results: **BF143013.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143013.D
Acq On : 07 Jul 2025 17:19
Operator : RC/JU
Sample : Q2478-04MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Quant Time: Jul 07 17:49:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 66708 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 246241 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 120592 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.410 | 188 | 169949 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.057 | 240 | 131277 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.551 | 264 | 127587 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.516 | 112 | 451217 | 112.617 | ng | 0.02 |
| 7) Phenol-d6 | 6.516 | 99 | 504517 | 106.729 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.440 | 82 | 350233 | 78.015 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 142857 | 115.117 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.234 | 172 | 737129 | 80.299 | ng | -0.01 |
| 79) Terphenyl-d14 | 12.992 | 244 | 600281 | 63.180 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.822 | 88 | 52230 | 32.591 | ng | # 81 |
| 3) Pyridine | 3.546 | 79 | 138352 | 34.437 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.481 | 42 | 79599 | 38.314 | ng | 100 |
| 6) Aniline | 6.540 | 93 | 85836 | 13.647 | ng | # 46 |
| 8) 2-Chlorophenol | 6.663 | 128 | 176852 | 40.919 | ng | 98 |
| 9) Benzaldehyde | 6.428 | 77 | 65574 | 23.382 | ng | 100 |
| 10) Phenol | 6.528 | 94 | 181551 | 34.552 | ng | 93 |
| 11) bis(2-Chloroethyl)ether | 6.610 | 93 | 156781 | 41.747 | ng | 97 |
| 12) 1,3-Dichlorobenzene | 6.816 | 146 | 185452 | 38.366 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.893 | 146 | 186453 | 38.232 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.045 | 146 | 177694 | 38.415 | ng | 98 |
| 15) Benzyl Alcohol | 7.022 | 79 | 147375 | 43.125 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151 | 45 | 228576 | 37.883 | ng | 86 |
| 17) 2-Methylphenol | 7.134 | 107 | 130494 | 39.842 | ng | 96 |
| 18) Hexachloroethane | 7.387 | 117 | 65563 | 38.436 | ng | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.287 | 70 | 117722 | 42.819 | ng | 97 |
| 20) 3+4-Methylphenols | 7.287 | 107 | 171872 | 42.087 | ng | # 89 |
| 22) Acetophenone | 7.287 | 105 | 237842 | 43.801 | ng | 99 |
| 24) Nitrobenzene | 7.463 | 77 | 173536 | 42.709 | ng | 98 |
| 25) Isophorone | 7.698 | 82 | 313596 | 43.546 | ng | 100 |
| 26) 2-Nitrophenol | 7.775 | 139 | 96426 | 43.565 | ng | 99 |
| 27) 2,4-Dimethylphenol | 7.816 | 122 | 155889m | 40.660 | ng | |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93 | 200453 | 43.782 | ng | 100 |
| 29) 2,4-Dichlorophenol | 8.022 | 162 | 149142 | 42.902 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.098 | 180 | 155190 | 40.597 | ng | 99 |
| 31) Naphthalene | 8.181 | 128 | 497050 | 41.238 | ng | 100 |
| 32) Benzoic acid | 7.934 | 122 | 54644 | 27.963 | ng | 98 |
| 33) 4-Chloroaniline | 8.234 | 127 | 45328 | 9.249 | ng | 99 |
| 34) Hexachlorobutadiene | 8.292 | 225 | 95400 | 40.800 | ng | 99 |
| 35) Caprolactam | 8.604 | 113 | 40041 | 43.649 | ng | 99 |
| 36) 4-Chloro-3-methylphenol | 8.722 | 107 | 149149 | 43.170 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.875 | 142 | 311243 | 41.652 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.975 | 142 | 322000 | 41.627 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.039 | 216 | 158488 | 44.541 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 65852 | 32.612 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.157 | 196 | 100705 | 43.432 | ng | 99 |

Quantitation Report (QT Reviewed)

Sample Results: **BF143013.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143013.D
Acq On : 07 Jul 2025 17:19
Operator : RC/JU
Sample : Q2478-04MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Quant Time: Jul 07 17:49:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.198 | 196 | 103747 | 42.505 ng | 98 |
| 46) 1,1'-Biphenyl | 9.339 | 154 | 432690 | 45.421 ng | 99 |
| 47) 2-Chloronaphthalene | 9.363 | 162 | 310925 | 43.494 ng | 100 |
| 48) 2-Nitroaniline | 9.463 | 65 | 90433 | 45.123 ng | 95 |
| 49) Acenaphthylene | 9.781 | 152 | 502790 | 42.724 ng | 100 |
| 50) Dimethylphthalate | 9.639 | 163 | 381326 | 48.850 ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.704 | 165 | 79170 | 46.183 ng | 97 |
| 52) Acenaphthene | 9.951 | 154 | 311523m | 43.387 ng | |
| 53) 3-Nitroaniline | 9.875 | 138 | 43842 | 23.229 ng | 99 |
| 54) 2,4-Dinitrophenol | 9.986 | 184 | 42431 | 49.432 ng | 97 |
| 55) Dibenzofuran | 10.122 | 168 | 430683 | 41.830 ng | 99 |
| 56) 4-Nitrophenol | 10.045 | 139 | 80975 | 62.668 ng | 97 |
| 57) 2,4-Dinitrotoluene | 10.110 | 165 | 101064 | 44.384 ng | 95 |
| 58) Fluorene | 10.469 | 166 | 339085 | 42.169 ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232 | 80850 | 41.094 ng | 94 |
| 60) Diethylphthalate | 10.333 | 149 | 371522 | 48.542 ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204 | 165509 | 43.134 ng | 99 |
| 62) 4-Nitroaniline | 10.486 | 138 | 67738 | 39.242 ng | 99 |
| 63) Azobenzene | 10.616 | 77 | 286196 | 41.838 ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198 | 32436 | 31.554 ng | 96 |
| 66) n-Nitrosodiphenylamine | 10.575 | 169 | 293611 | 49.849 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248 | 94866 | 49.047 ng | 97 |
| 68) Hexachlorobenzene | 11.016 | 284 | 96834 | 45.056 ng | 98 |
| 69) Atrazine | 11.104 | 200 | 88615 | 58.261 ng | 100 |
| 70) Pentachlorophenol | 11.216 | 266 | 80404 | 75.078 ng | 98 |
| 71) Phenanthrene | 11.433 | 178 | 410759 | 44.618 ng | 99 |
| 72) Anthracene | 11.486 | 178 | 418402 | 44.314 ng | 100 |
| 73) Carbazole | 11.639 | 167 | 376390 | 46.195 ng | 99 |
| 74) Di-n-butylphthalate | 11.963 | 149 | 496484 | 58.492 ng | 99 |
| 75) Fluoranthene | 12.622 | 202 | 403342 | 46.164 ng | 100 |
| 77) Benzidine | 12.745 | 184 | 99722 | 20.218 ng | 99 |
| 78) Pyrene | 12.851 | 202 | 411055 | 33.405 ng | 100 |
| 80) Butylbenzylphthalate | 13.463 | 149 | 183927 | 51.529 ng | 98 |
| 81) Benzo(a)anthracene | 14.045 | 228 | 397859 | 44.925 ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.004 | 252 | 86231 | 30.019 ng | 99 |
| 83) Chrysene | 14.080 | 228 | 361481 | 45.743 ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149 | 262567 | 51.127 ng | 100 |
| 85) Di-n-octyl phthalate | 14.639 | 149 | 447424 | 46.204 ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.068 | 276 | 286139 | 29.444 ng | 98 |
| 88) Benzo(b)fluoranthene | 15.110 | 252 | 406017 | 54.995 ng | 99 |
| 89) Benzo(k)fluoranthene | 15.139 | 252 | 329060 | 47.641 ng | 99 |
| 90) Benzo(a)pyrene | 15.486 | 252 | 331522 | 46.482 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.080 | 278 | 240217 | 30.422 ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.527 | 276 | 215581 | 27.380 ng | 98 |

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

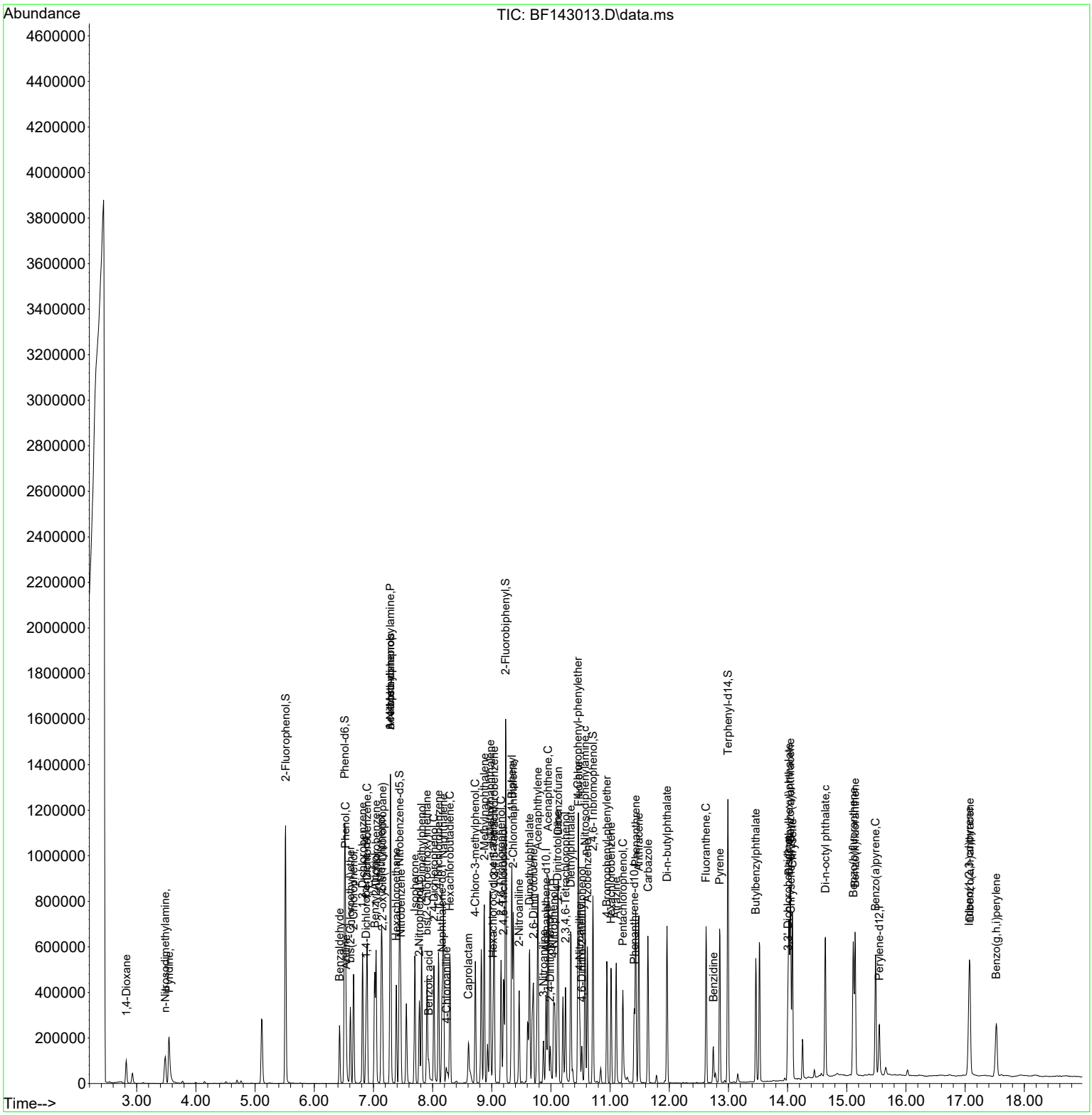
Quantitation Report (QT Reviewed)

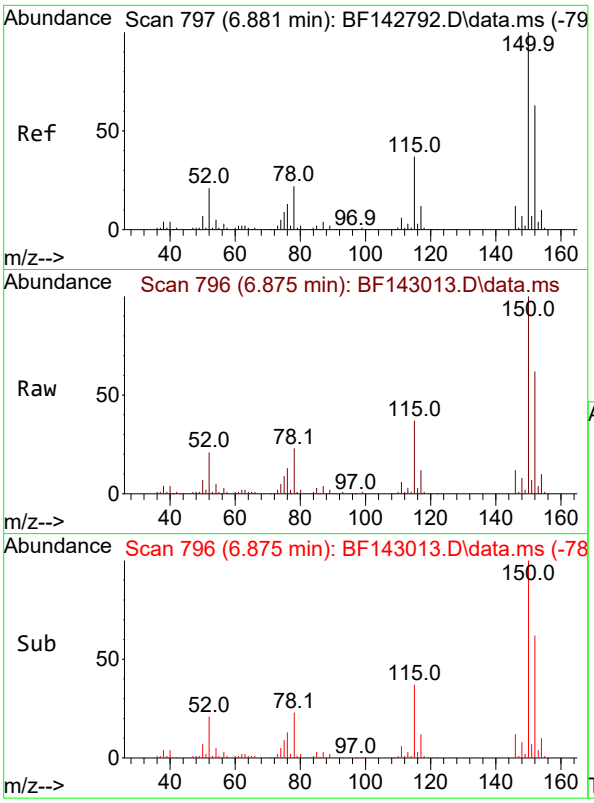
Sample Results: **BF143013.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143013.D
Acq On : 07 Jul 2025 17:19
Operator : RC/JU
Sample : Q2478-04MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Quant Time: Jul 07 17:49:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



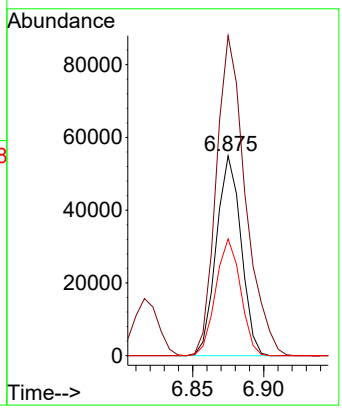


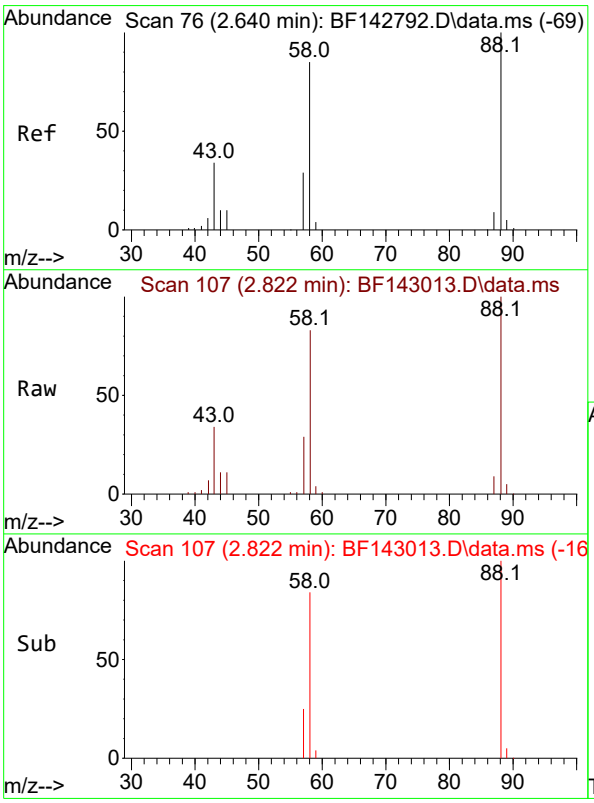

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:152 Resp: 66708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.1 | 127.2 | 190.8 |
| 115 | 58.5 | 46.6 | 69.8 |

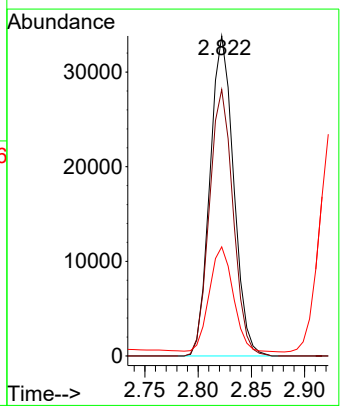


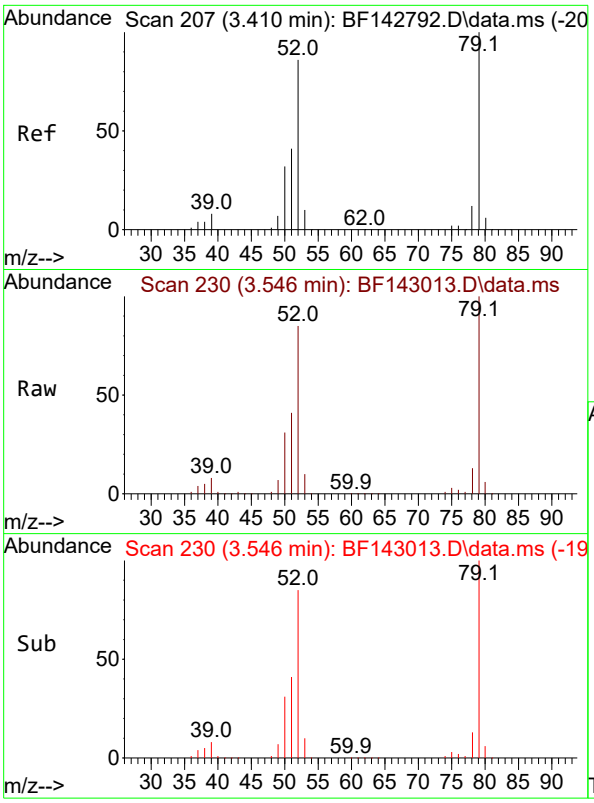




#2
1,4-Dioxane
Concen: 32.591 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.182 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion: 88 Resp: 52230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 83.4 | 69.1 | 103.7 |
| 43 | 0.0 | 27.4 | 41.2# |



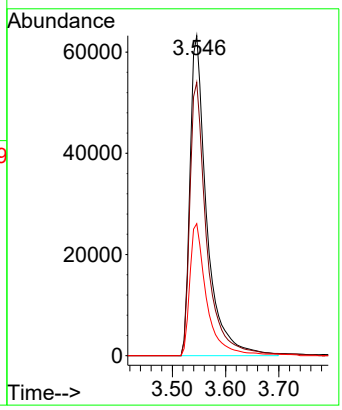


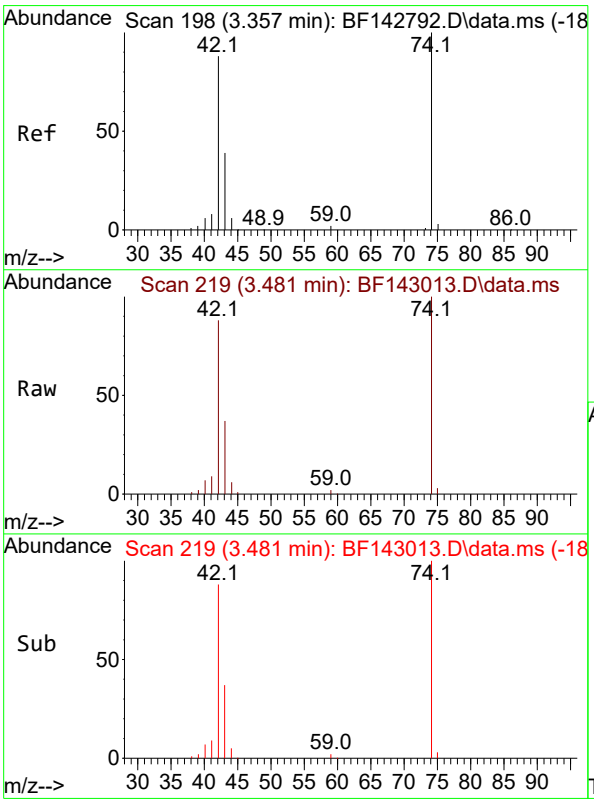

#3
Pyridine
Concen: 34.437 ng
RT: 3.546 min Scan# 2
Delta R.T. 0.135 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion: 79 Resp: 138352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 85.4 | 69.2 | 103.8 |
| 51 | 41.3 | 33.2 | 49.8 |

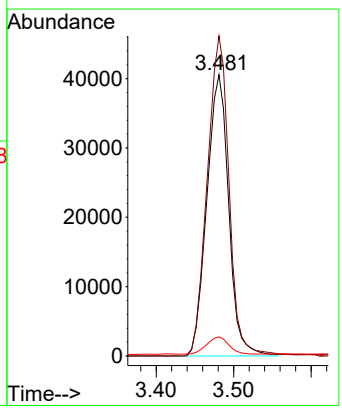


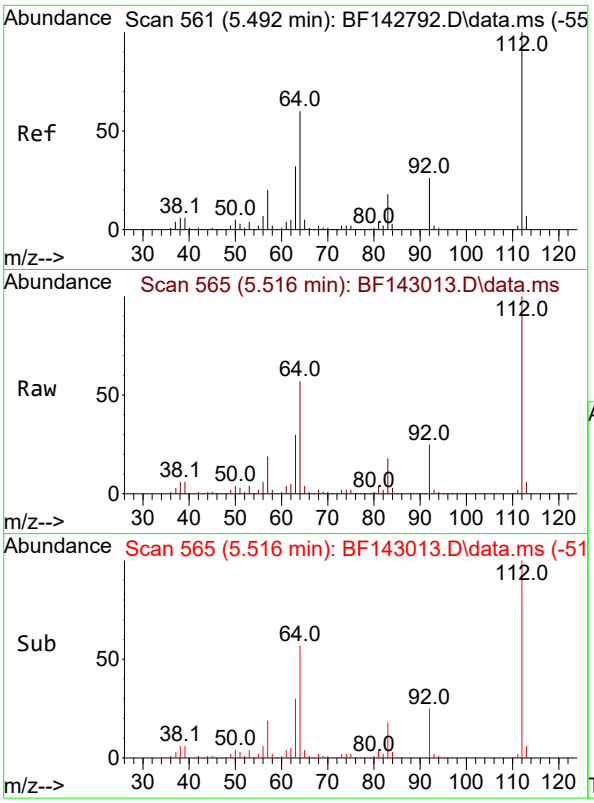




#4
n-Nitrosodimethylamine
Concen: 38.314 ng
RT: 3.481 min Scan# 219
Delta R.T. 0.124 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion: 42 Resp: 79599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 113.8 | 90.9 | 136.3 |
| 44 | 6.8 | 5.8 | 8.6 |



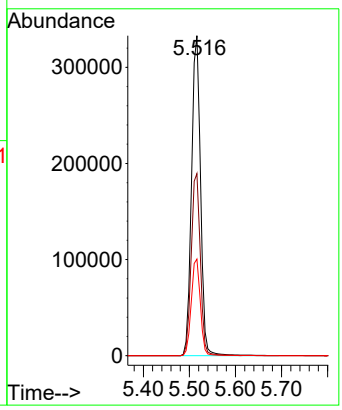


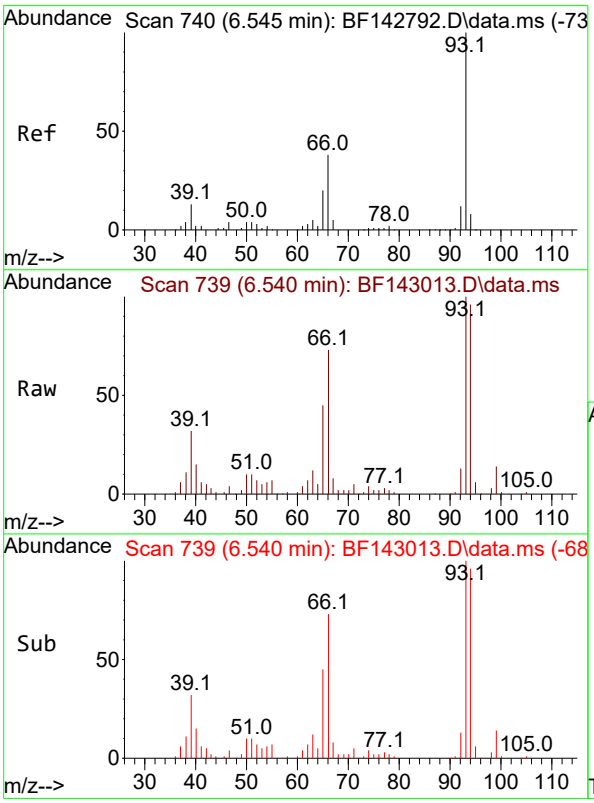

#5
2-Fluorophenol
Concen: 112.617 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.024 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:112 Resp: 451217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.9 | 48.2 | 72.2 |
| 63 | 30.2 | 25.7 | 38.5 |

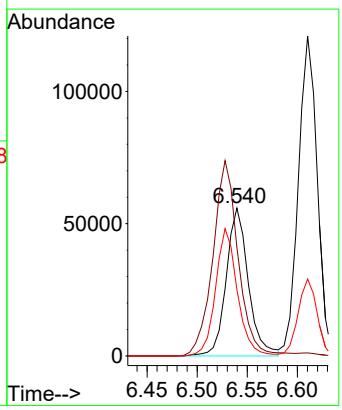


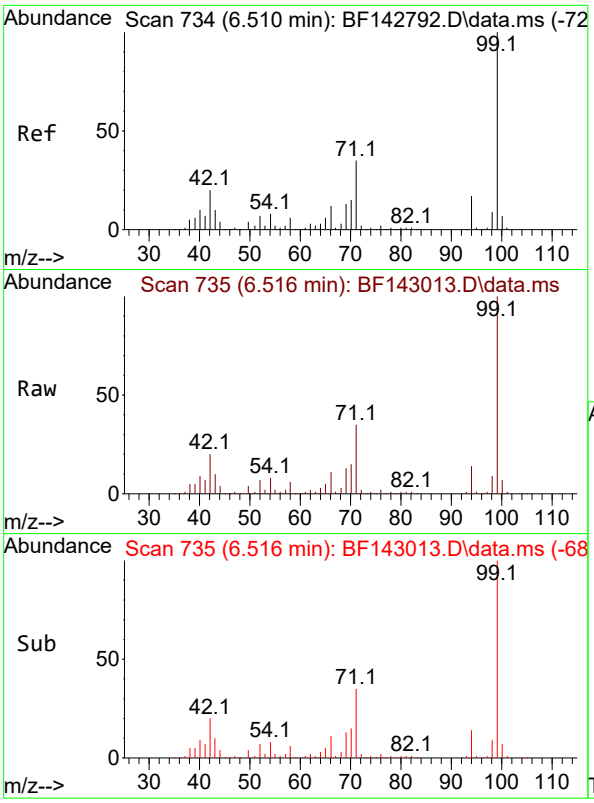




#6
Aniline
Concen: 13.647 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion: 93 Resp: 85836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 73.4 | 31.8 | 47.6# |
| 65 | 44.8 | 16.2 | 24.2# |



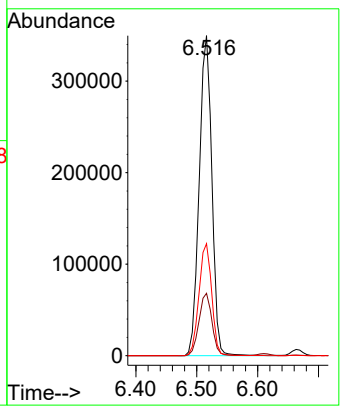


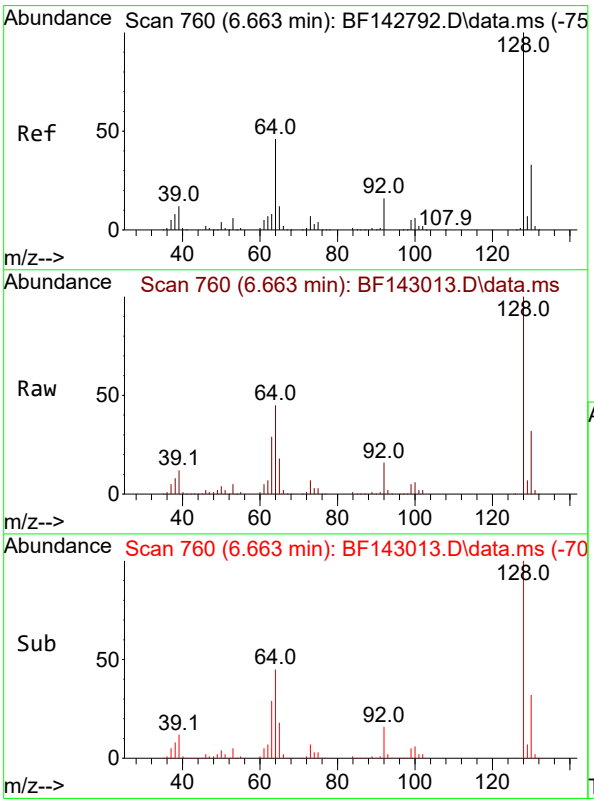

#7
Phenol-d6
Concen: 106.729 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion: 99 Resp: 504517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.5 | 15.9 | 23.9 |
| 71 | 35.0 | 27.8 | 41.8 |

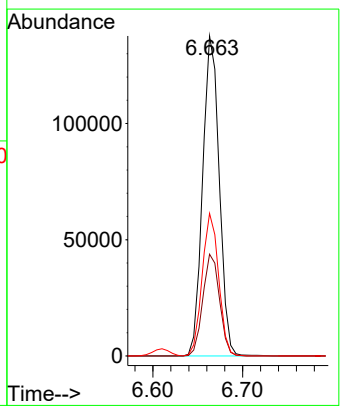


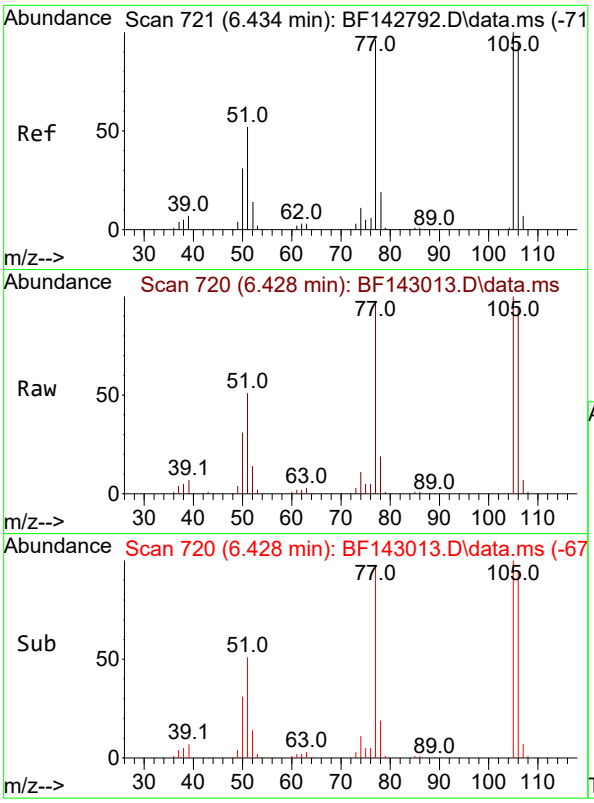




#8
2-Chlorophenol
Concen: 40.919 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:128 Resp: 176852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.8 | 12.7 | 52.7 |
| 64 | 44.6 | 26.5 | 66.5 |



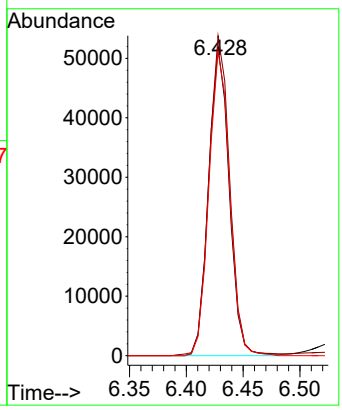


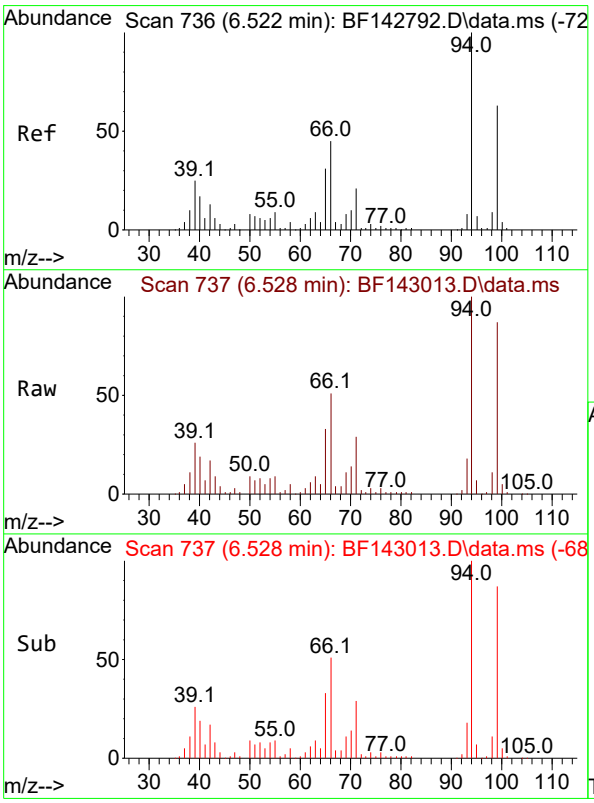

#9
Benzaldehyde
Concen: 23.382 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion: 77 Resp: 65574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 103.6 | 83.8 | 123.8 |
| 106 | 98.5 | 78.7 | 118.7 |

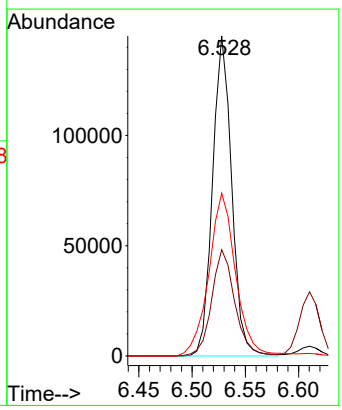


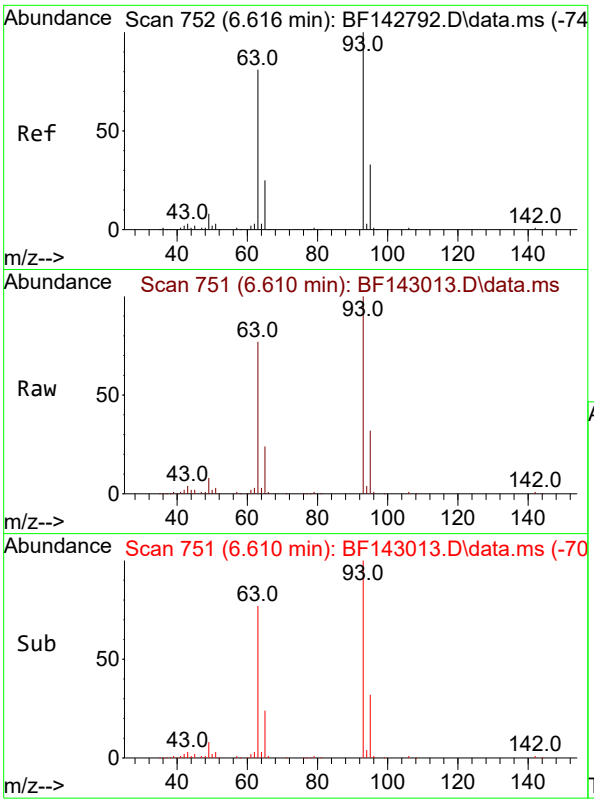




#10
Phenol
Concen: 34.552 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion: 94 Resp: 181551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 33.2 | 11.3 | 51.3 |
| 66 | 50.9 | 24.9 | 64.9 |



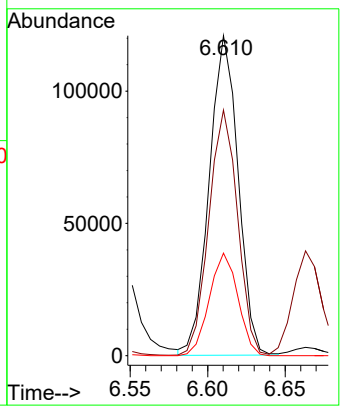


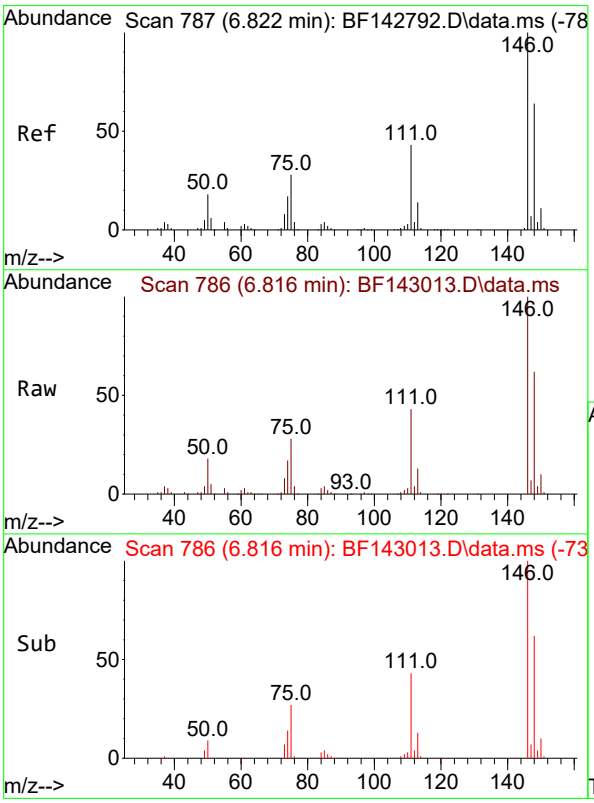

#11
bis(2-Chloroethyl)ether
Concen: 41.747 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion: 93 Resp: 156781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 76.7 | 60.3 | 100.3 |
| 95 | 32.1 | 12.5 | 52.5 |

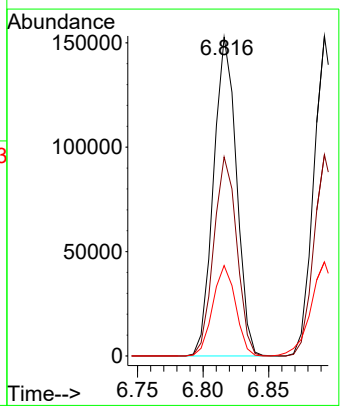


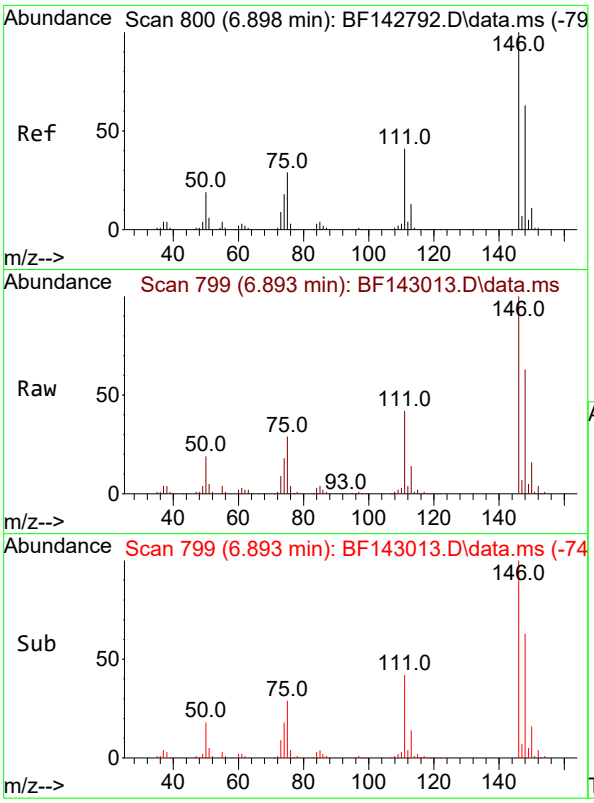




#12
1,3-Dichlorobenzene
Concen: 38.366 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:146 Resp: 185452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.4 | 51.1 | 76.7 |
| 75 | 28.4 | 22.7 | 34.1 |



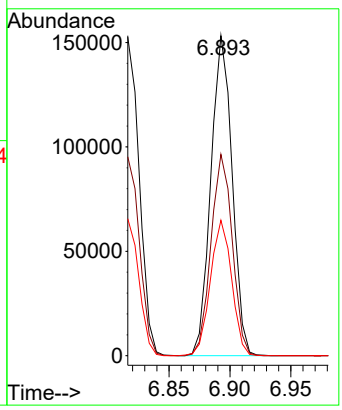


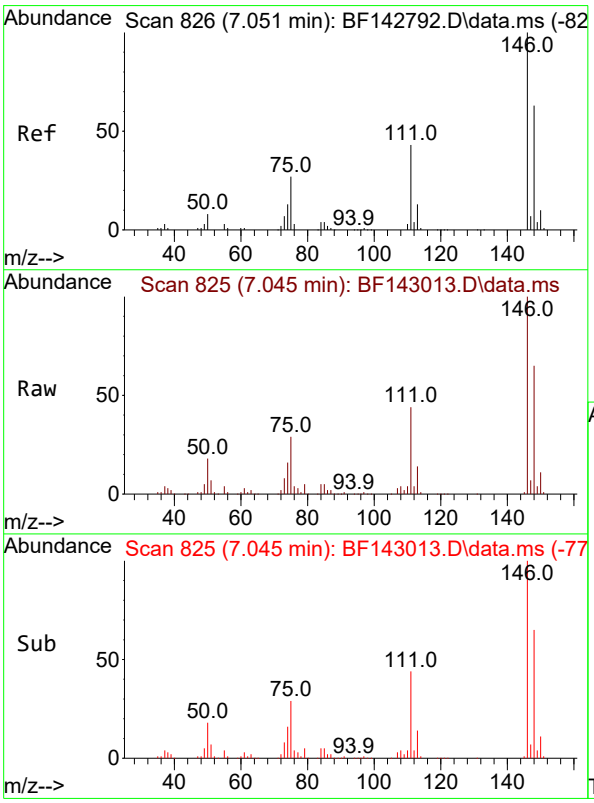

#13
1,4-Dichlorobenzene
Concen: 38.232 ng
RT: 6.893 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:146 Resp: 186453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.9 | 50.2 | 75.2 |
| 111 | 42.3 | 33.2 | 49.8 |

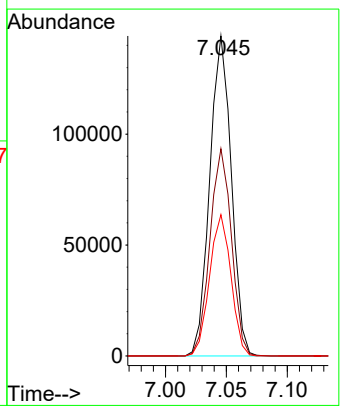


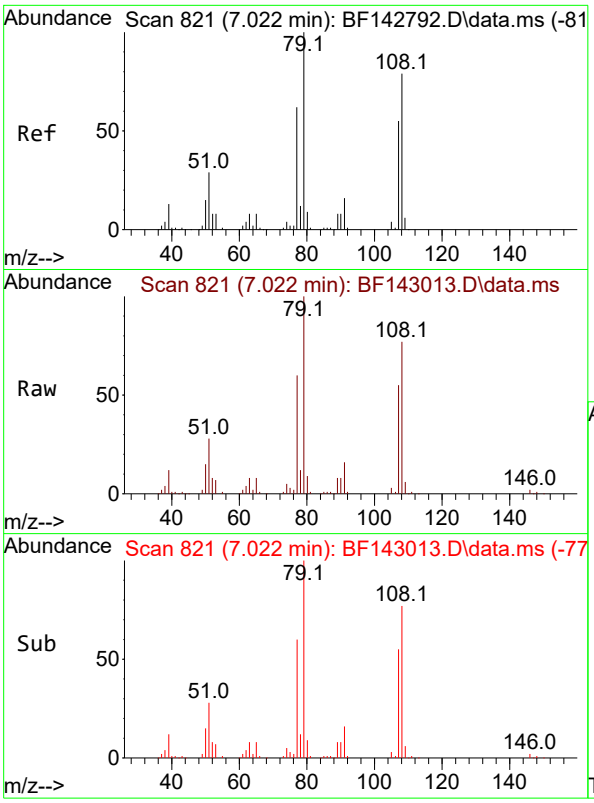




#14
1,2-Dichlorobenzene
Concen: 38.415 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:146 Resp: 177694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 50.4 | 75.6 |
| 111 | 44.1 | 34.1 | 51.1 |



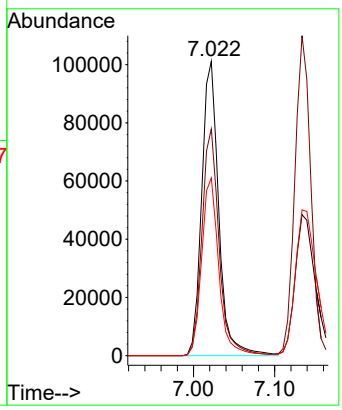


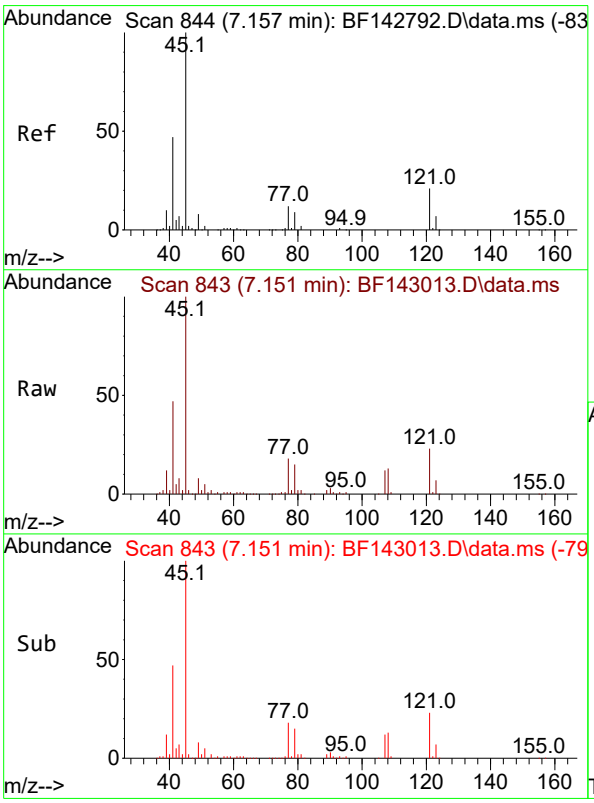

#15
Benzyl Alcohol
Concen: 43.125 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion: 79 Resp: 147375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 77.0 | 63.4 | 95.0 |
| 77 | 60.4 | 49.5 | 74.3 |

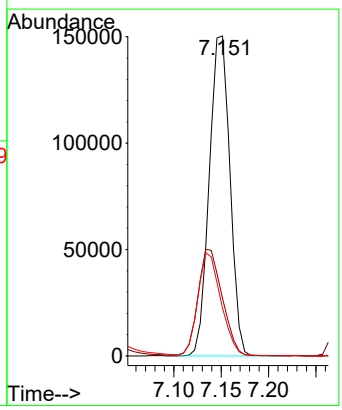


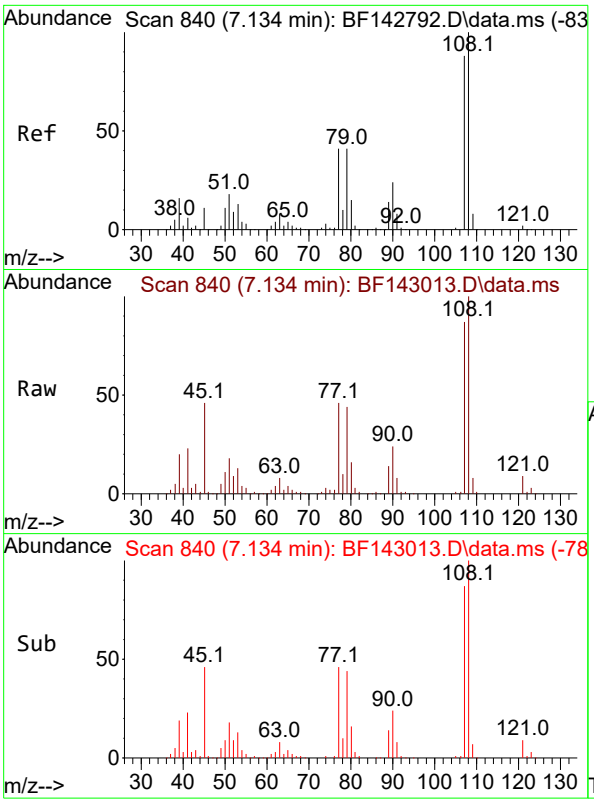




#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.883 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion: 45 Resp: 228576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 18.0 | 0.0 | 32.8 |
| 79 | 14.9 | 0.0 | 29.8 |



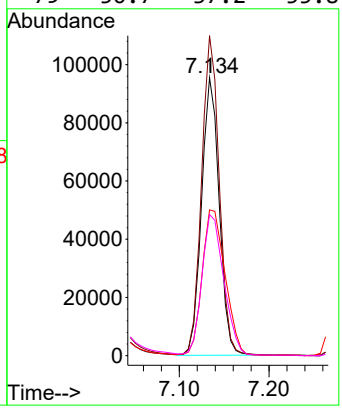


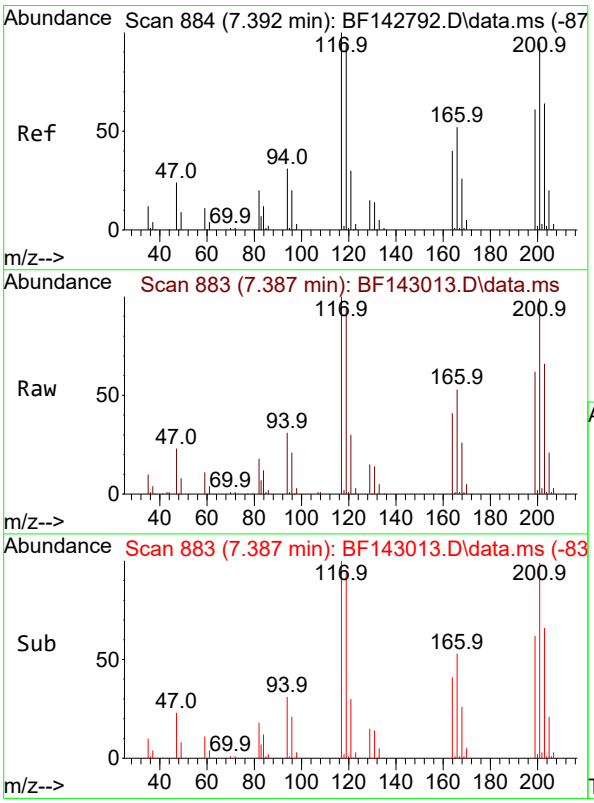

#17
2-Methylphenol
Concen: 39.842 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:107 Resp: 130494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 115.1 | 90.9 | 136.3 |
| 77 | 52.4 | 37.3 | 55.9 |
| 79 | 50.7 | 37.2 | 55.8 |

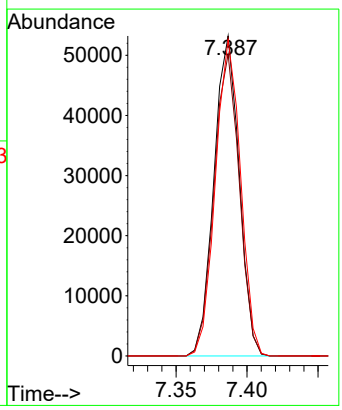


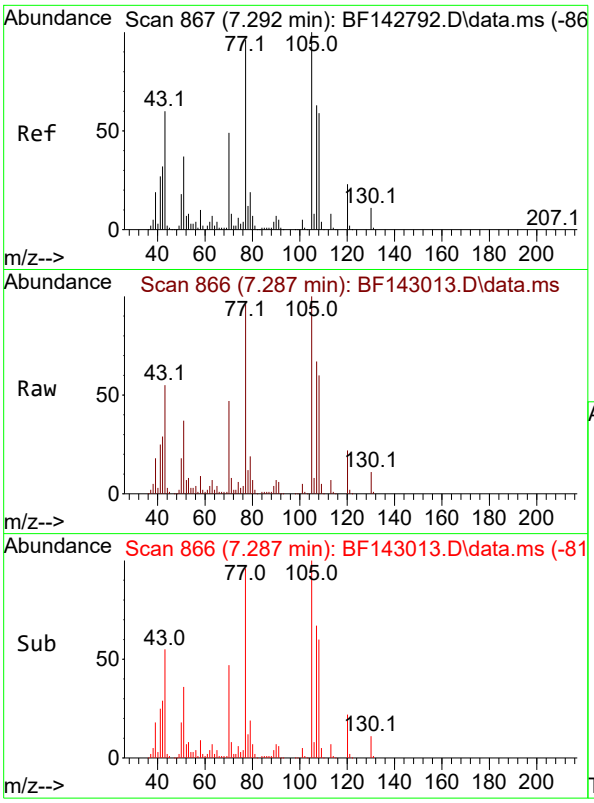




#18
Hexachloroethane
Concen: 38.436 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:117 Resp: 65563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.3 | 75.4 | 113.0 |
| 201 | 98.9 | 75.9 | 113.9 |



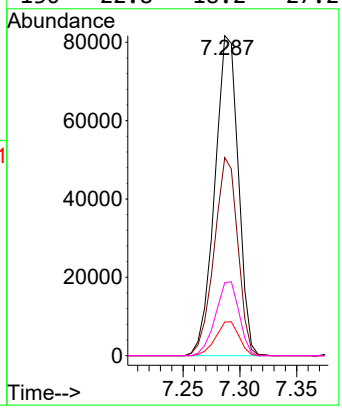


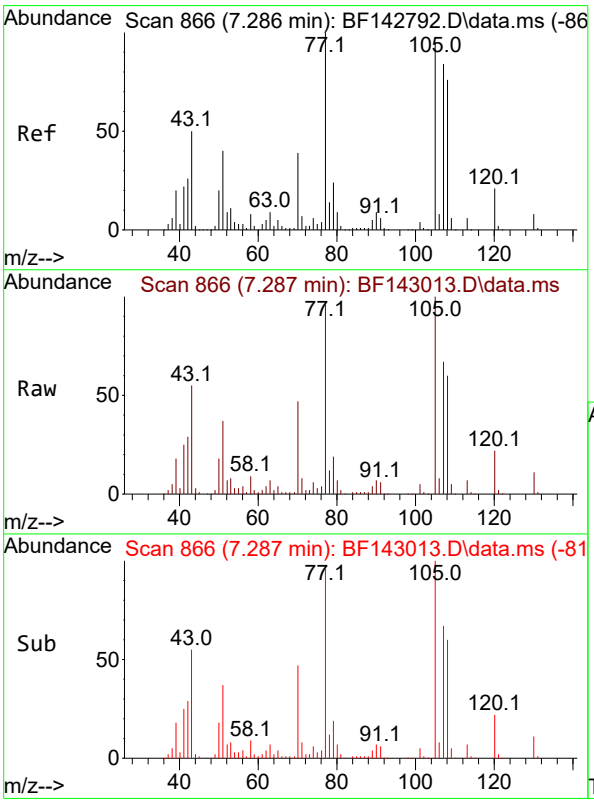

#19
n-Nitroso-di-n-propylamine
Concen: 42.819 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion: 70 Resp: 117722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 61.9 | 52.1 | 78.1 |
| 101 | 10.5 | 8.2 | 12.2 |
| 130 | 22.8 | 18.2 | 27.2 |

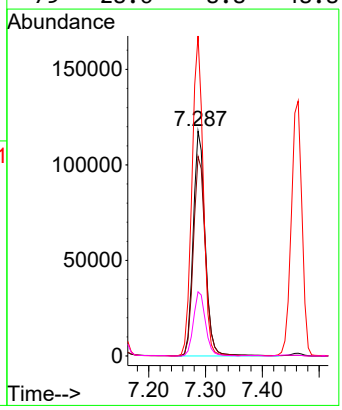


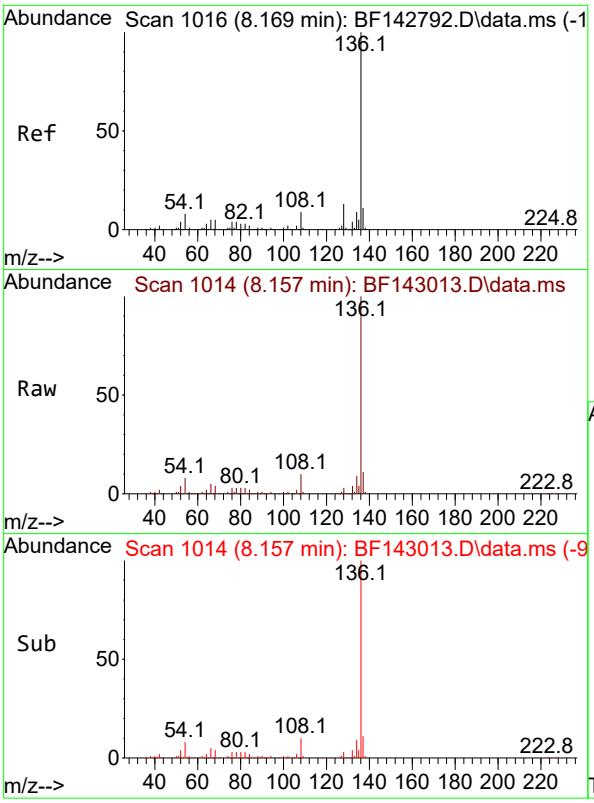




#20
3+4-Methylphenols
Concen: 42.087 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:107 Resp: 171872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.7 | 70.0 | 110.0 |
| 77 | 142.3 | 98.5 | 138.5# |
| 79 | 28.6 | 8.8 | 48.8 |



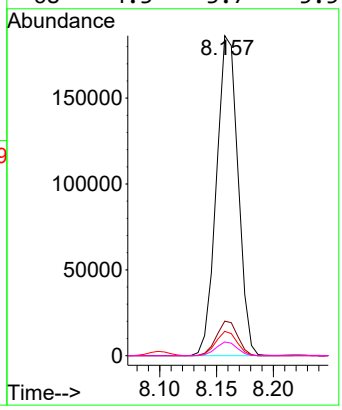


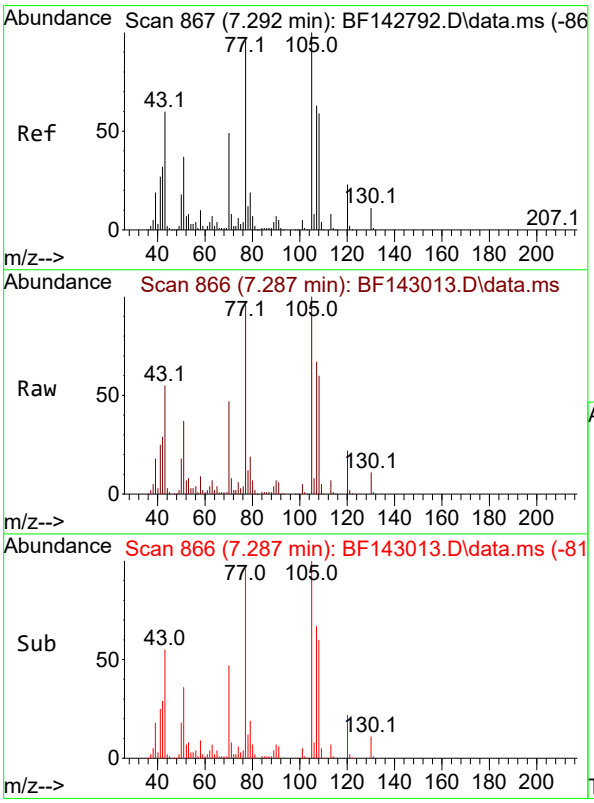

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:136 Resp: 246241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.4 | 12.6 |
| 54 | 7.6 | 6.3 | 9.5 |
| 68 | 4.3 | 3.7 | 5.5 |

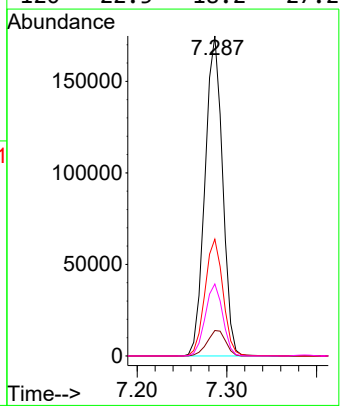


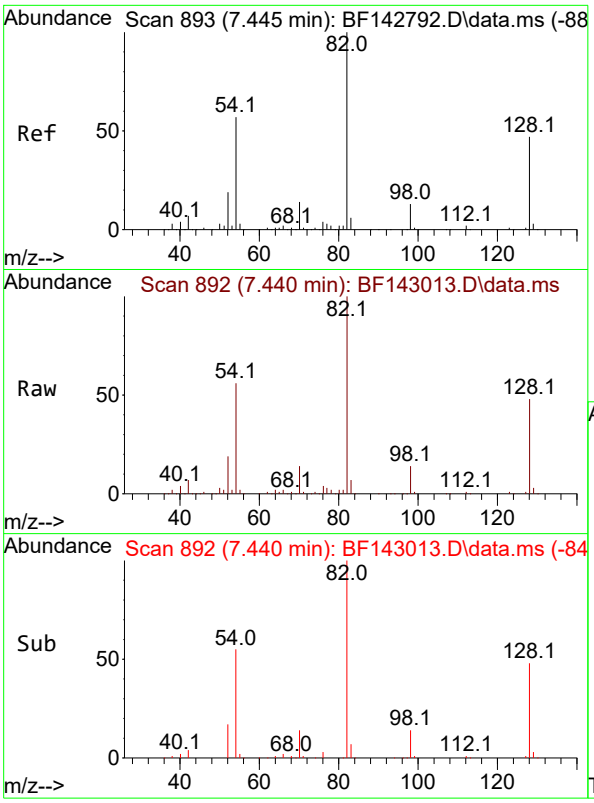




#22
Acetophenone
Concen: 43.801 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:105 Resp: 237842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.9 | 6.5 | 9.7 |
| 51 | 36.5 | 29.8 | 44.8 |
| 120 | 22.5 | 18.2 | 27.2 |



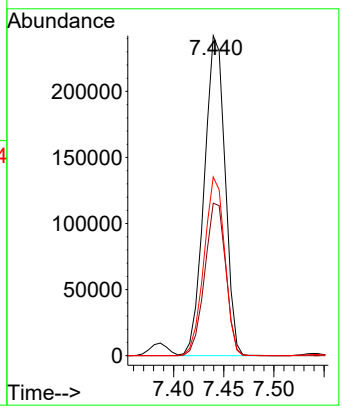


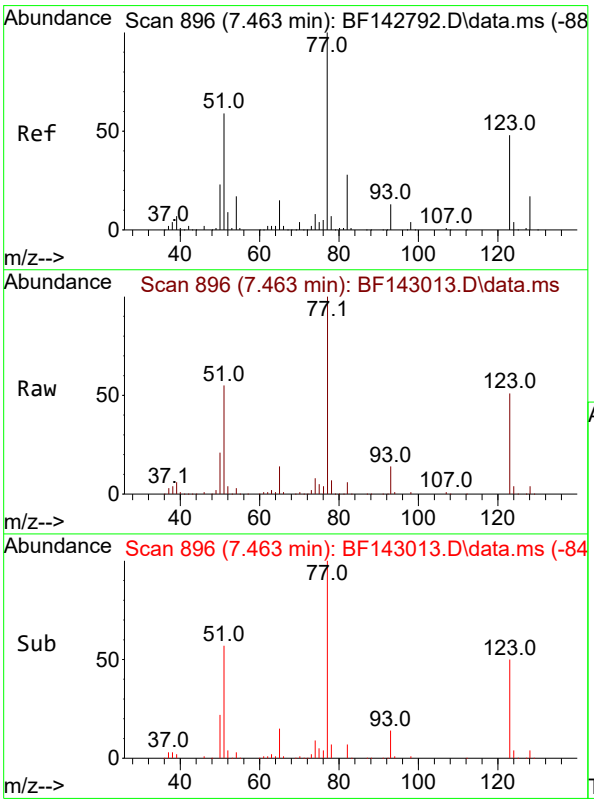

#23
Nitrobenzene-d5
Concen: 78.015 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion: 82 Resp: 350233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.7 | 37.7 | 56.5 |
| 54 | 55.9 | 45.7 | 68.5 |

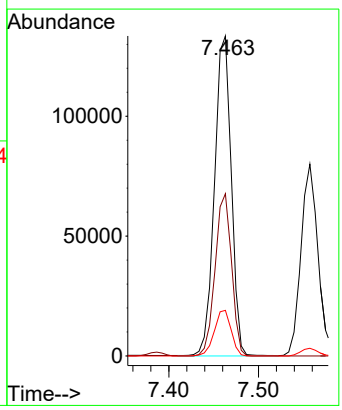


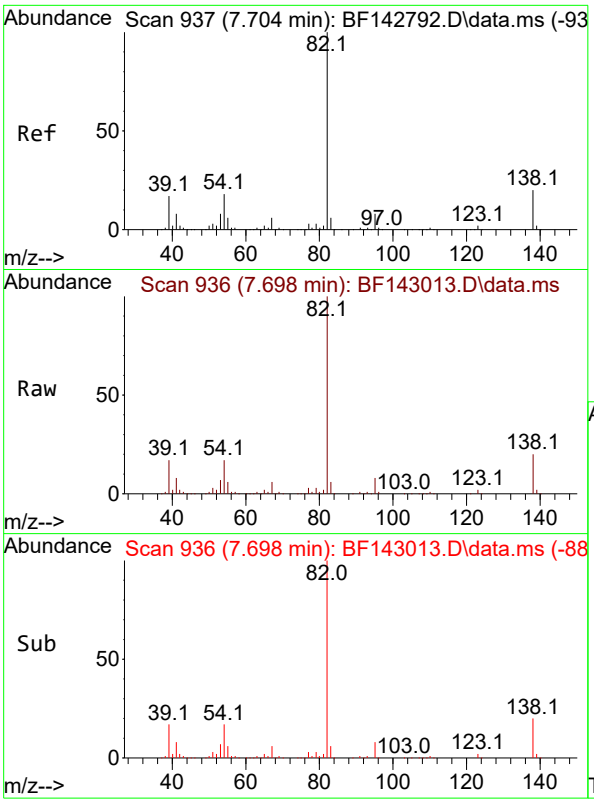




#24
Nitrobenzene
Concen: 42.709 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion: 77 Resp: 173536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 50.7 | 39.2 | 58.8 |
| 65 | 14.3 | 11.6 | 17.4 |



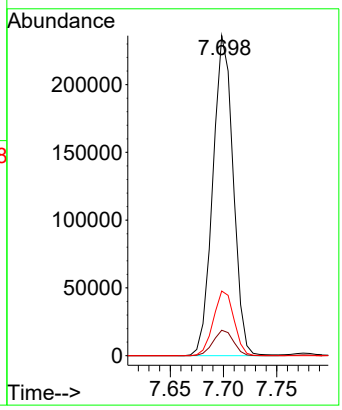


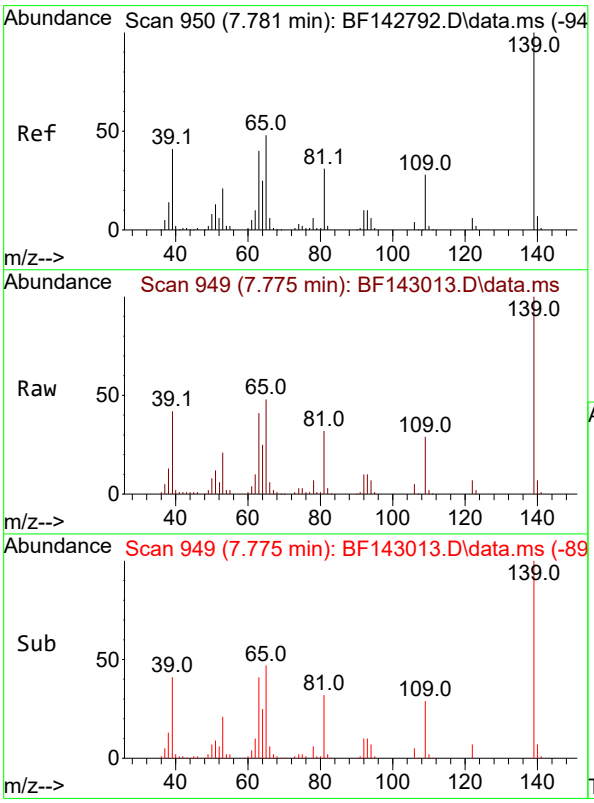

#25
Isophorone
Concen: 43.546 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion: 82 Resp: 313596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.9 | 6.2 | 9.2 |
| 138 | 20.2 | 16.2 | 24.4 |

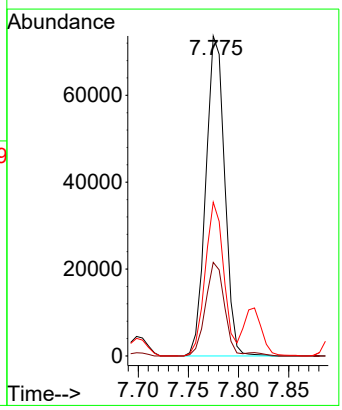


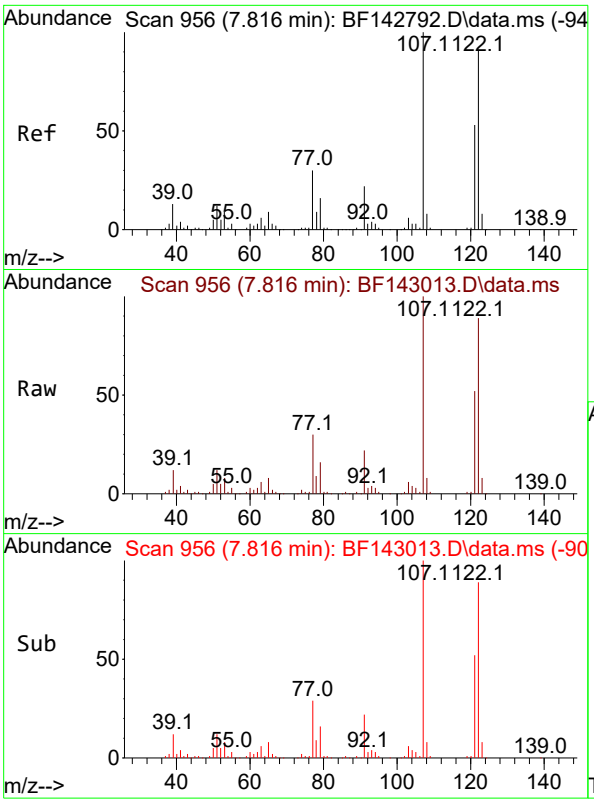




#26
2-Nitrophenol
Concen: 43.565 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:139 Resp: 96426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.2 | 22.7 | 34.1 |
| 65 | 48.1 | 38.6 | 58.0 |



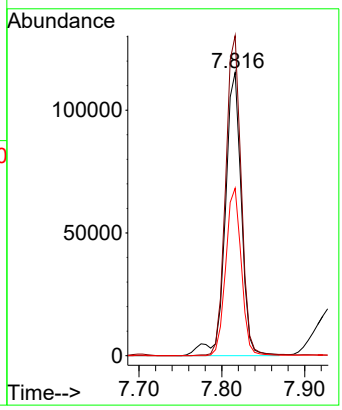


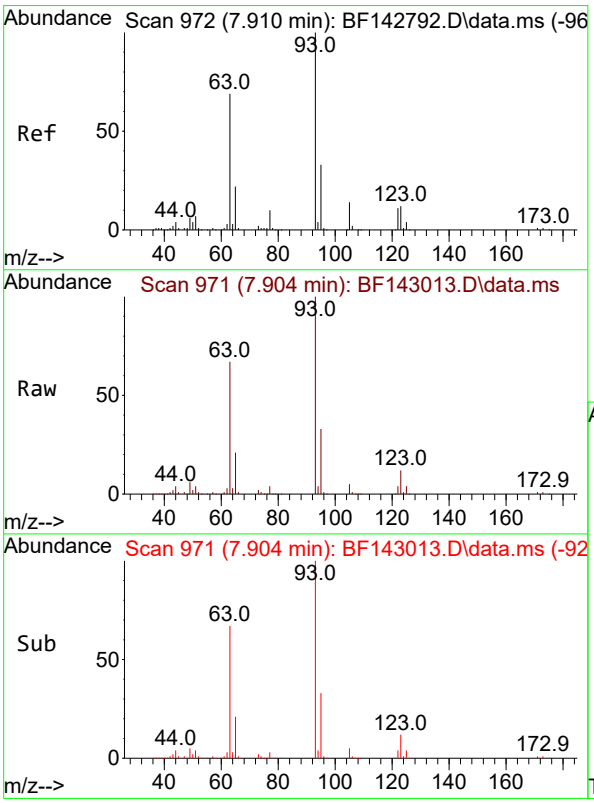

#27
2,4-Dimethylphenol
Concen: 40.660 ng m
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:122 Resp: 155889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.9 | 88.0 | 132.0 |
| 121 | 59.1 | 46.3 | 69.5 |

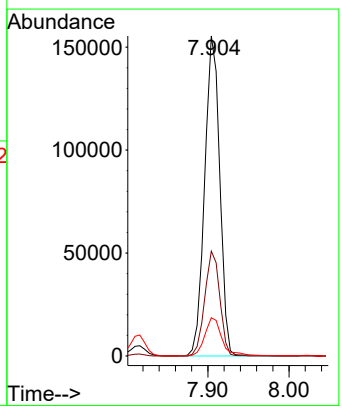


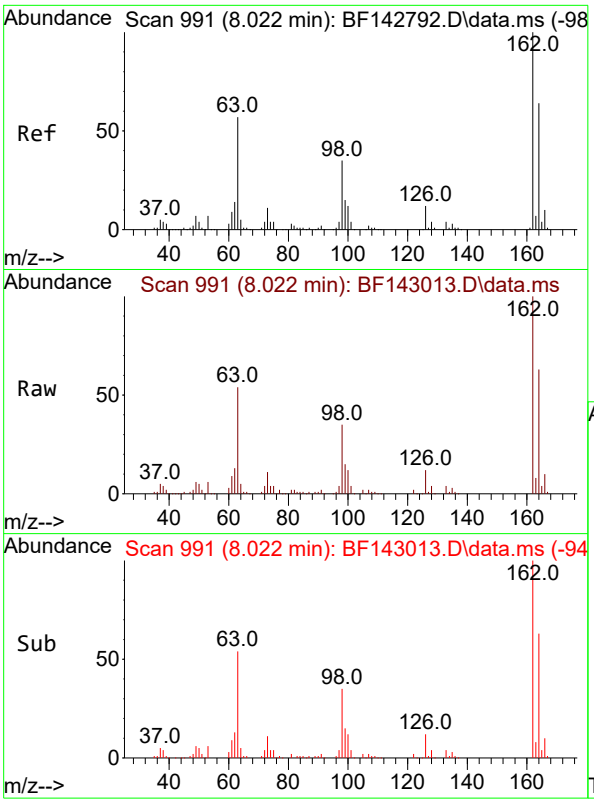




#28
bis(2-Chloroethoxy)methane
Concen: 43.782 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion: 93 Resp: 200453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.8 | 26.2 | 39.2 |
| 123 | 11.9 | 9.9 | 14.9 |



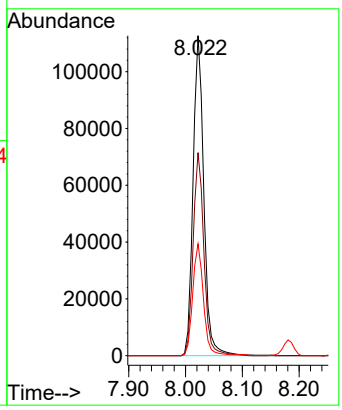


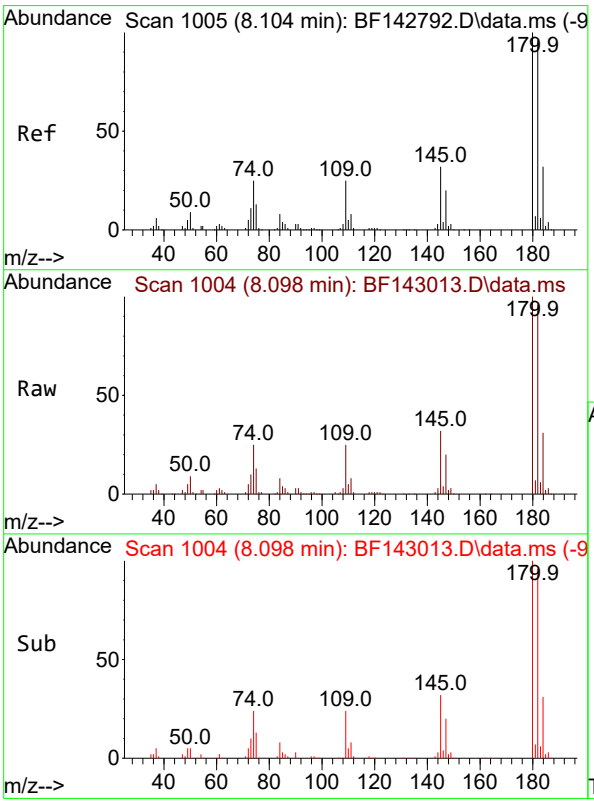

#29
2,4-Dichlorophenol
Concen: 42.902 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:162 Resp: 149142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.5 | 44.0 | 84.0 |
| 98 | 35.0 | 15.4 | 55.4 |

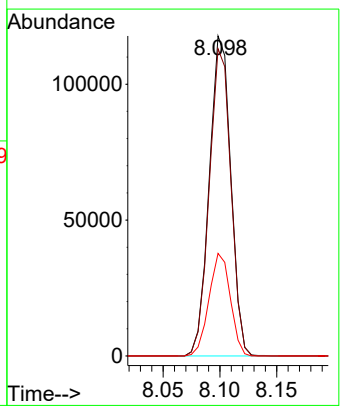


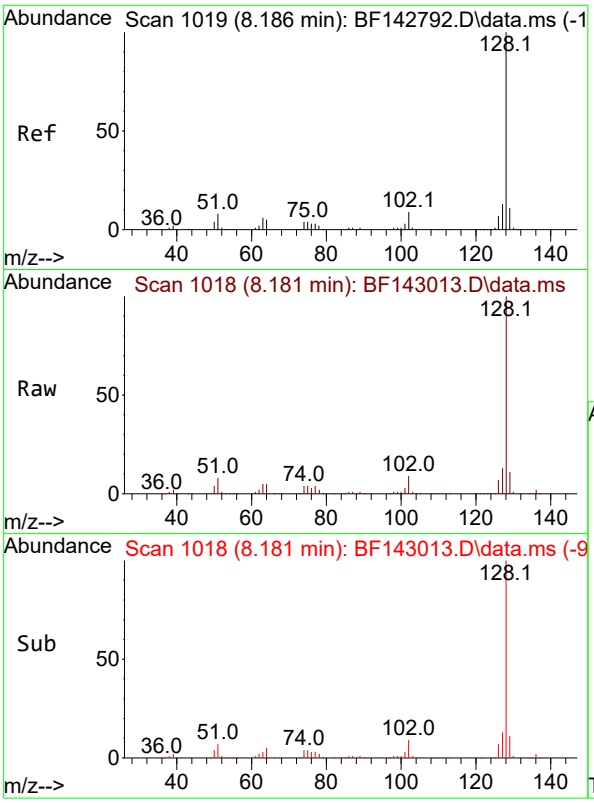




#30
1,2,4-Trichlorobenzene
Concen: 40.597 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:180 Resp: 155190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 76.4 | 114.6 |
| 145 | 32.0 | 25.8 | 38.8 |



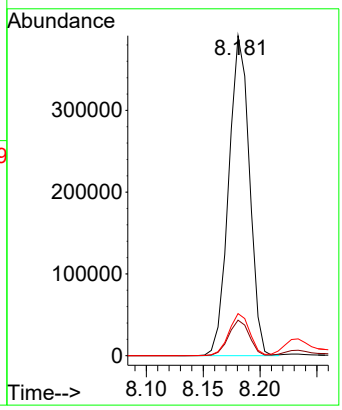


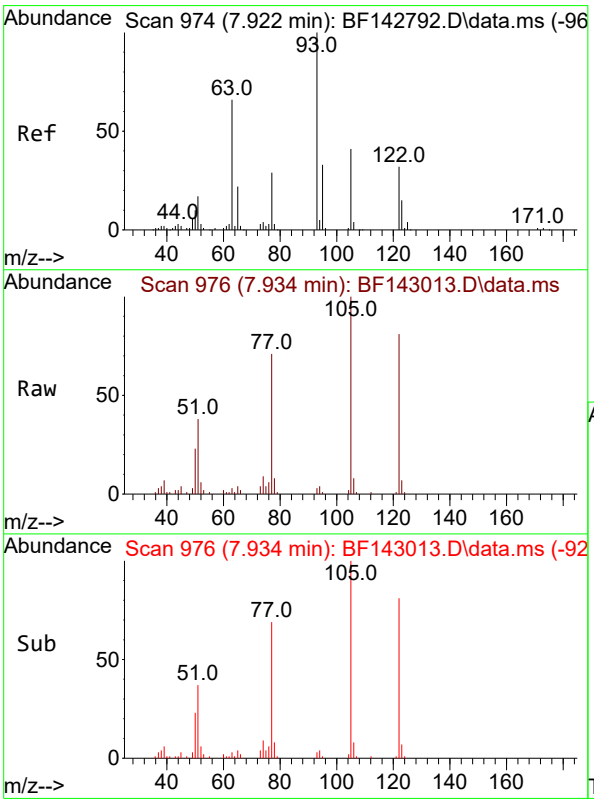

#31
Naphthalene
Concen: 41.238 ng
RT: 8.181 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:128 Resp: 497050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.9 | 13.3 |
| 127 | 13.1 | 10.4 | 15.6 |

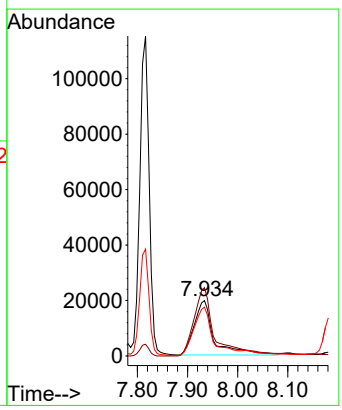


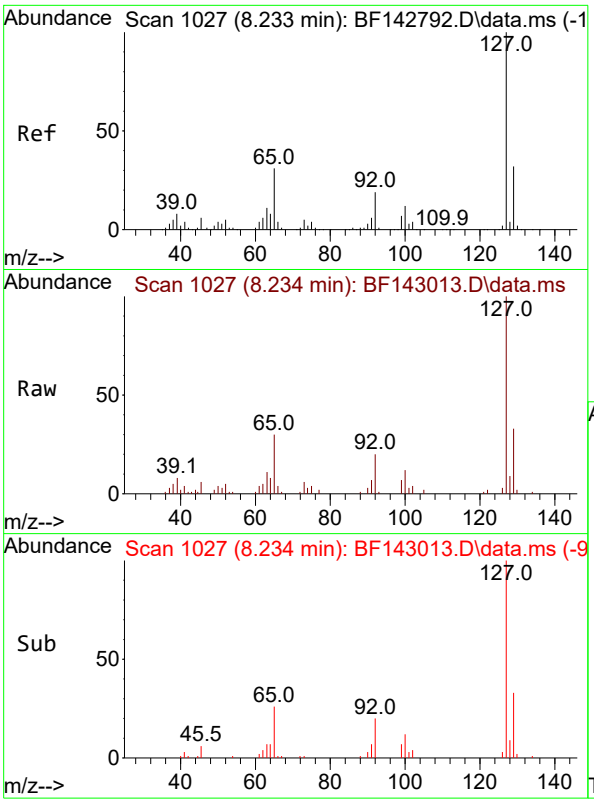




#32
Benzoic acid
Concen: 27.963 ng
RT: 7.934 min Scan# 976
Delta R.T. 0.012 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:122 Resp: 54644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.4 | 104.7 | 144.7 |
| 77 | 88.0 | 70.2 | 110.2 |



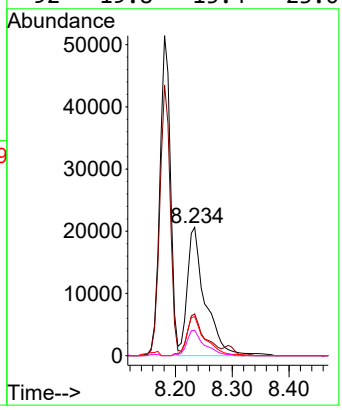


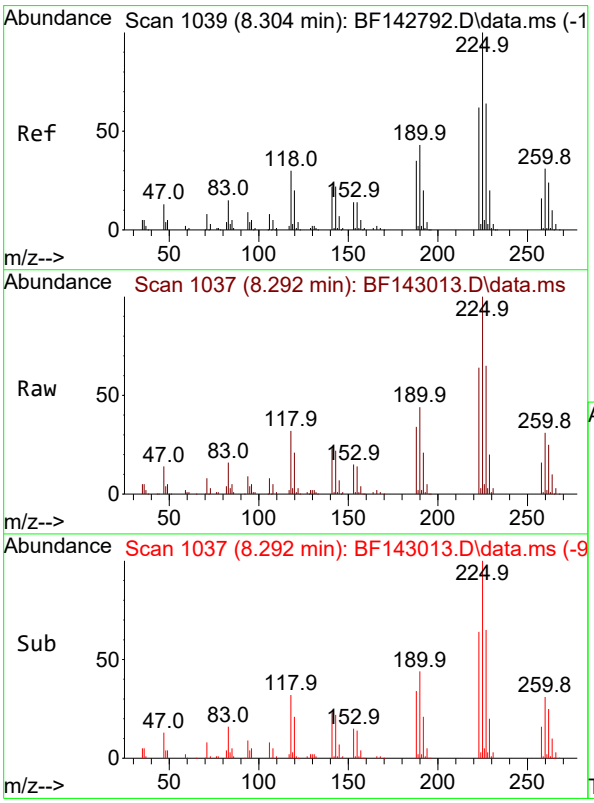

#33
4-Chloroaniline
Concen: 9.249 ng
RT: 8.234 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:127 Resp: 45328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.6 | 25.9 | 38.9 |
| 65 | 30.4 | 24.6 | 36.8 |
| 92 | 19.8 | 15.4 | 23.0 |

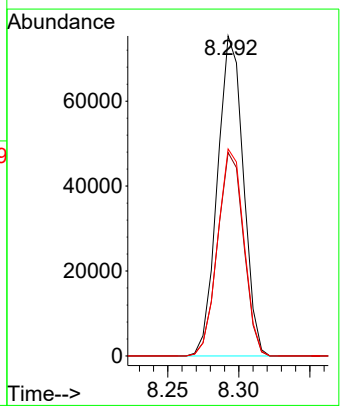


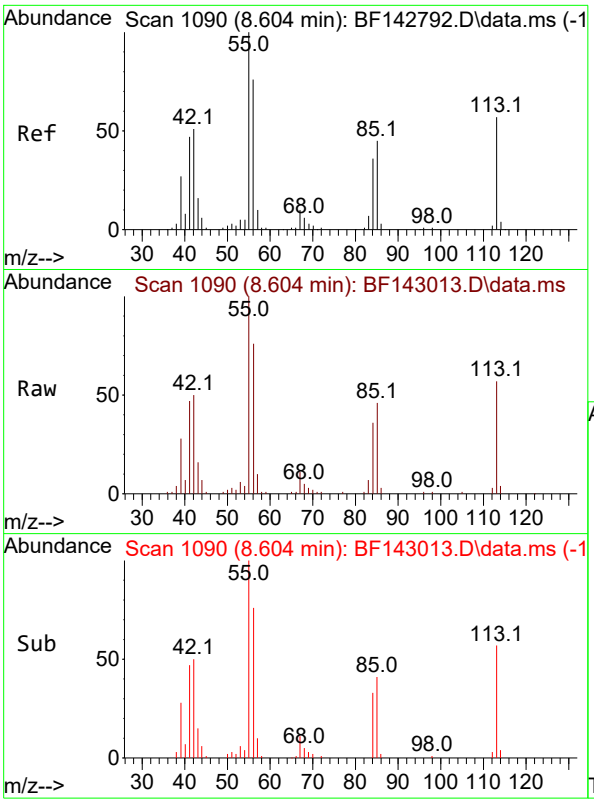




#34
Hexachlorobutadiene
Concen: 40.800 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.012 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:225 Resp: 95400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.6 | 49.9 | 74.9 |
| 227 | 64.7 | 51.4 | 77.0 |



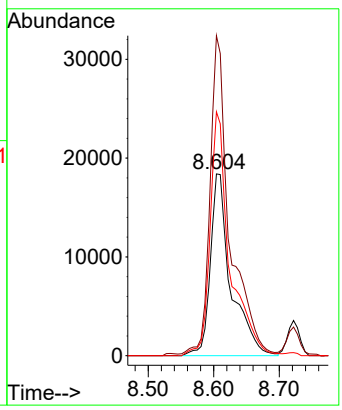


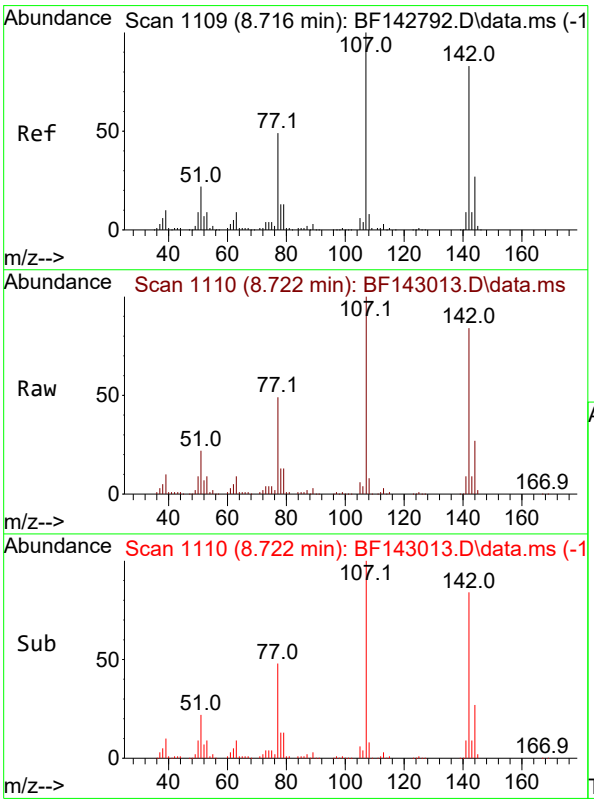

#35
Caprolactam
Concen: 43.649 ng
RT: 8.604 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:113 Resp: 40041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 176.0 | 154.4 | 194.4 |
| 56 | 134.2 | 112.1 | 152.1 |

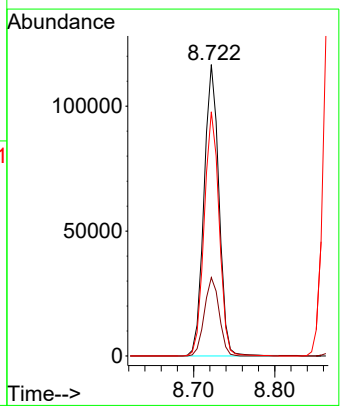


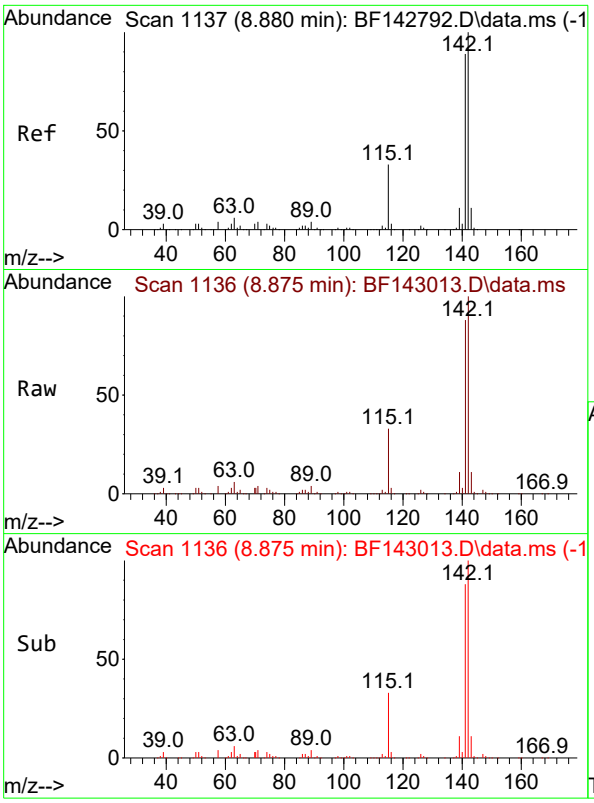




#36
4-Chloro-3-methylphenol
Concen: 43.170 ng
RT: 8.722 min Scan# 1110
Delta R.T. 0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:107 Resp: 149149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.9 | 21.3 | 31.9 |
| 142 | 83.8 | 66.6 | 100.0 |



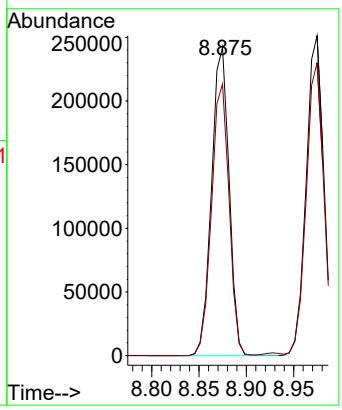


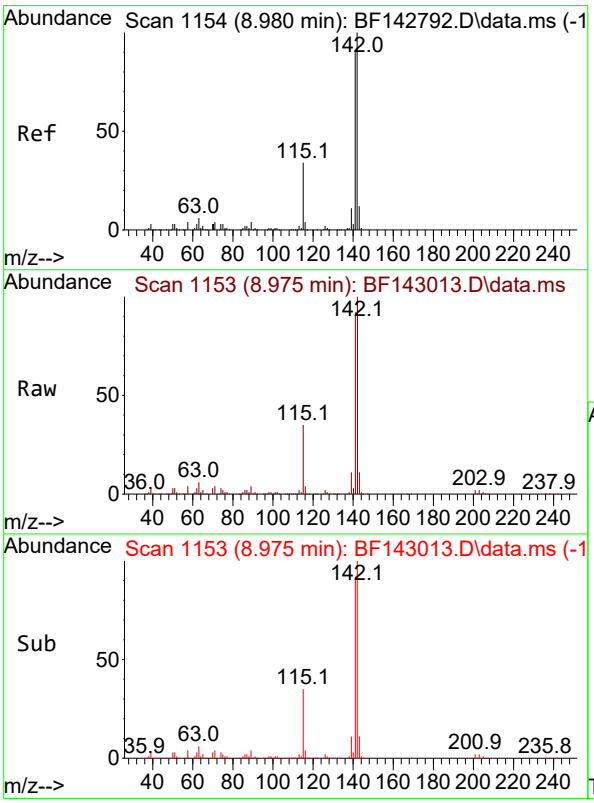

#37
2-Methylnaphthalene
Concen: 41.652 ng
RT: 8.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:142 Resp: 311243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.1 | 70.9 | 106.3 |

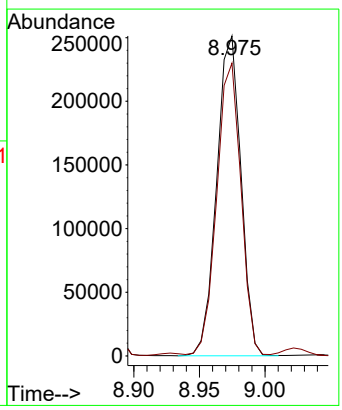


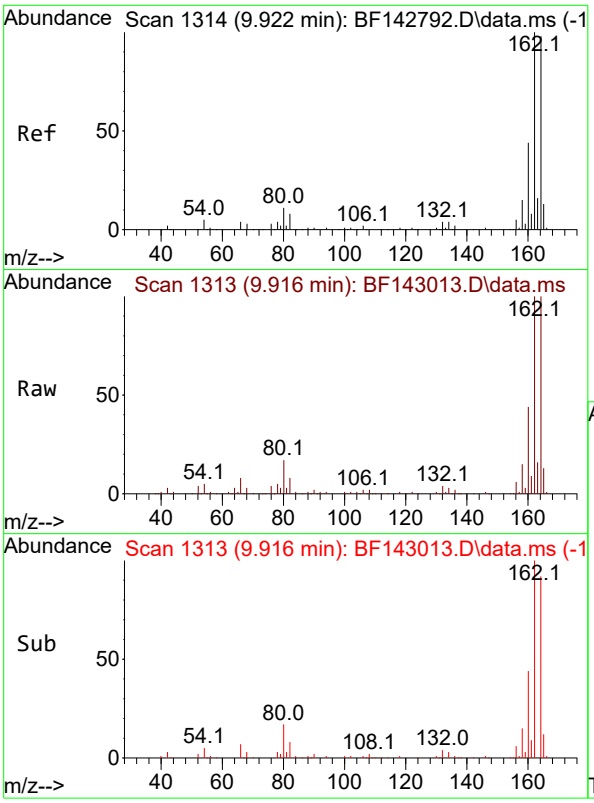




#38
1-Methylnaphthalene
Concen: 41.627 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:142 Resp: 322000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.5 | 73.0 | 109.4 |



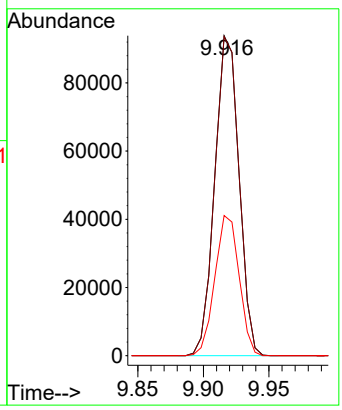


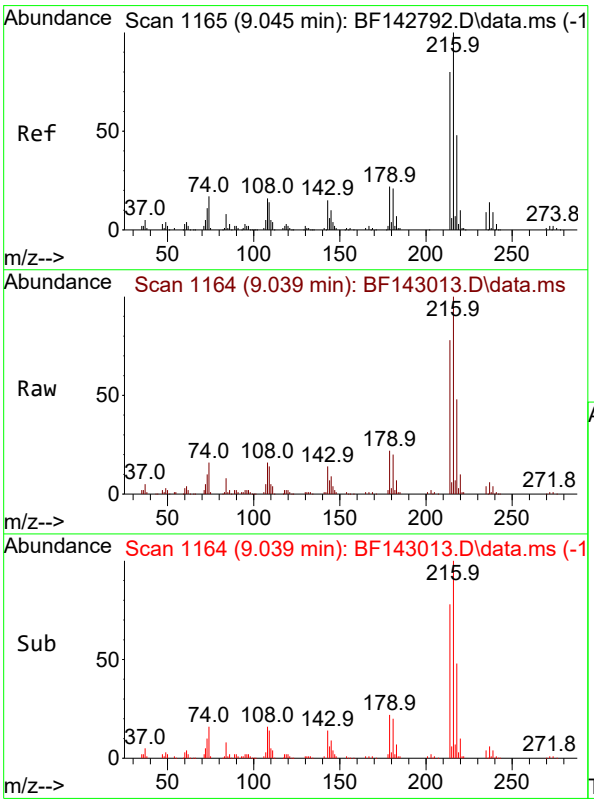

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:164 Resp: 120592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.7 | 81.8 | 122.8 |
| 160 | 43.8 | 36.0 | 54.0 |

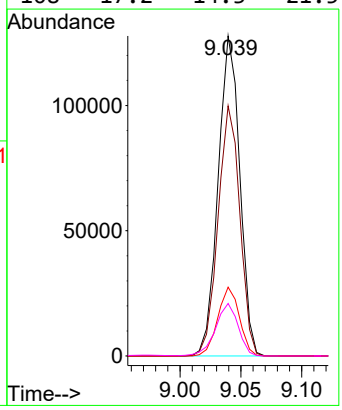


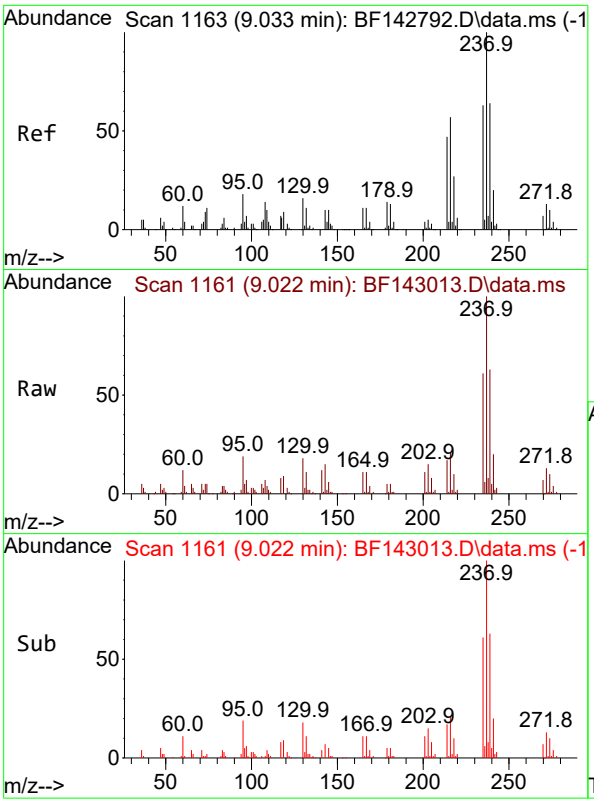




#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.541 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:216 Resp: 158488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.3 | 63.7 | 95.5 |
| 179 | 21.4 | 17.6 | 26.4 |
| 108 | 17.2 | 14.3 | 21.5 |



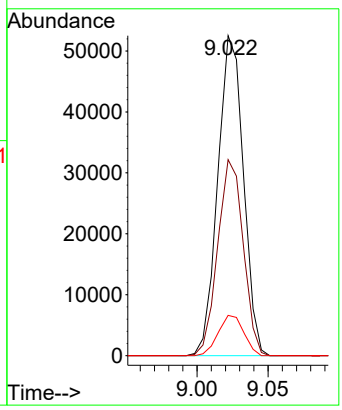


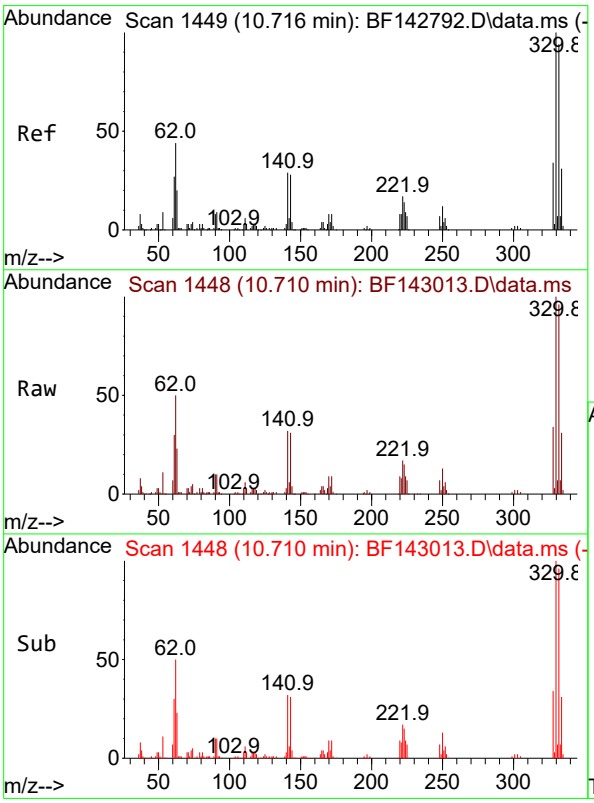

#41
Hexachlorocyclopentadiene
Concen: 32.612 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:237 Resp: 65852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.3 | 43.4 | 83.4 |
| 272 | 12.6 | 0.0 | 32.7 |

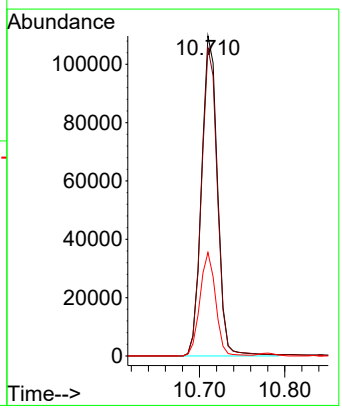


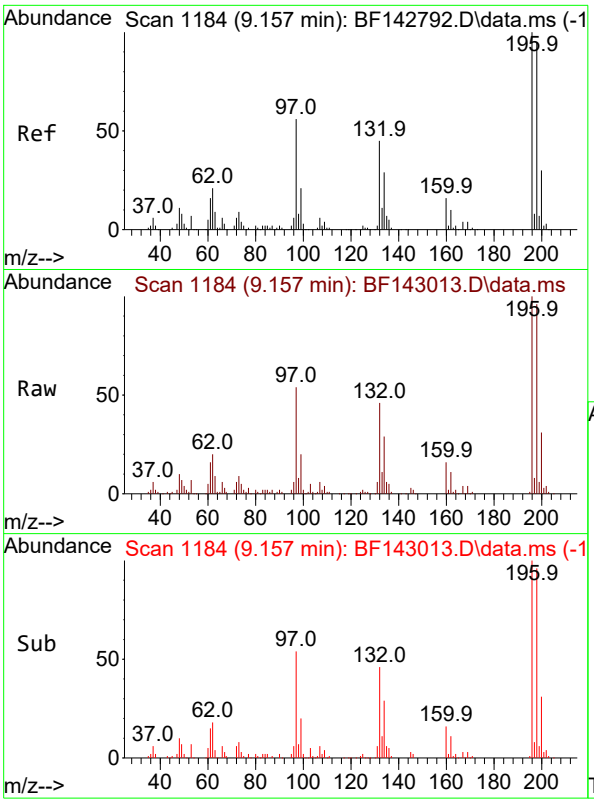




#42
2,4,6-Tribromophenol
Concen: 115.117 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:330 Resp: 142857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.9 | 75.0 | 112.6 |
| 141 | 31.7 | 25.3 | 37.9 |



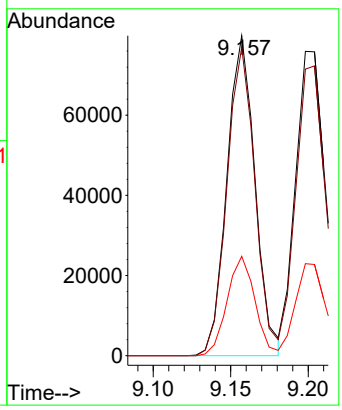


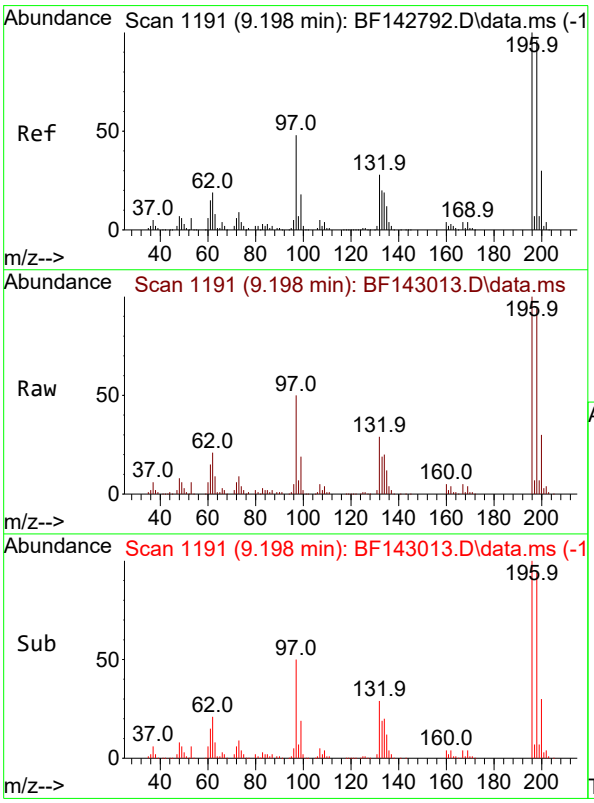

#43
2,4,6-Trichlorophenol
Concen: 43.432 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:196 Resp: 100705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.4 | 76.2 | 114.2 |
| 200 | 31.0 | 24.1 | 36.1 |

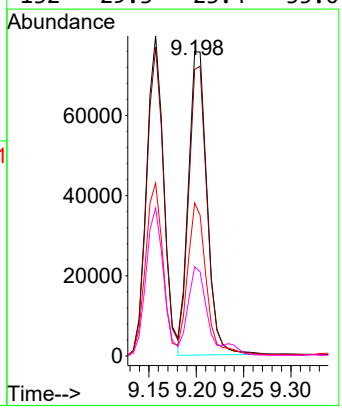


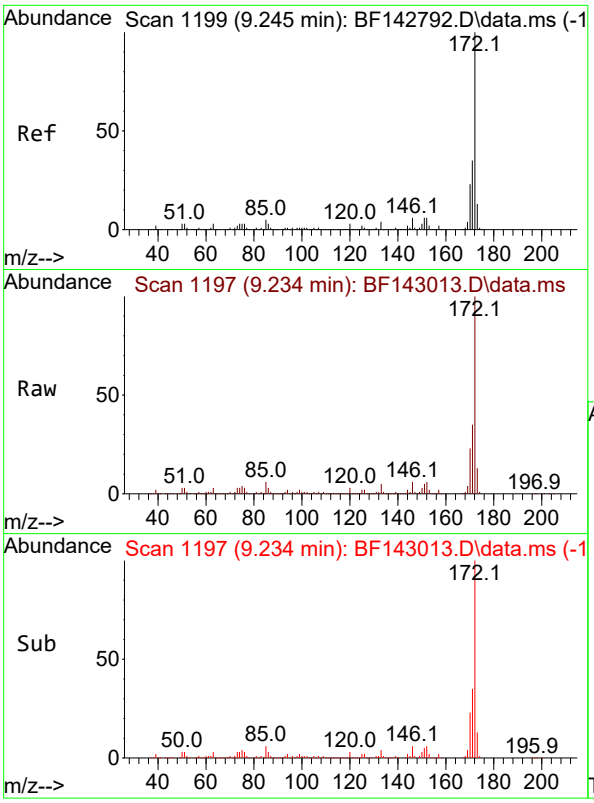




#44
2,4,5-Trichlorophenol
Concen: 42.505 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:196 Resp: 103747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.1 | 76.6 | 115.0 |
| 97 | 50.3 | 38.2 | 57.2 |
| 132 | 29.3 | 23.4 | 35.0 |



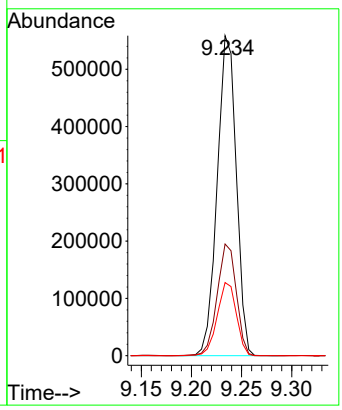


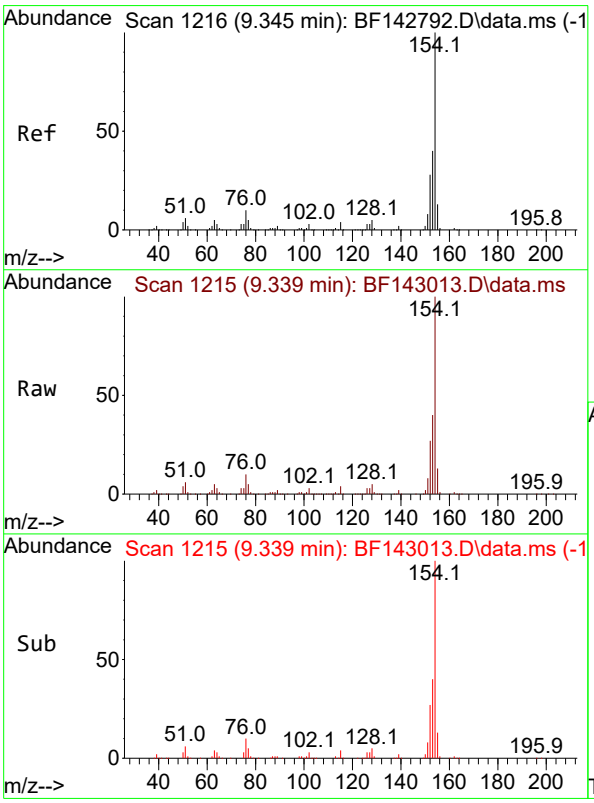

#45
2-Fluorobiphenyl
Concen: 80.299 ng
RT: 9.234 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:172 Resp: 737129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 28.2 | 42.4 |
| 170 | 22.9 | 18.5 | 27.7 |

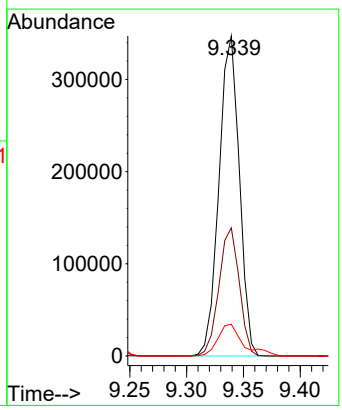


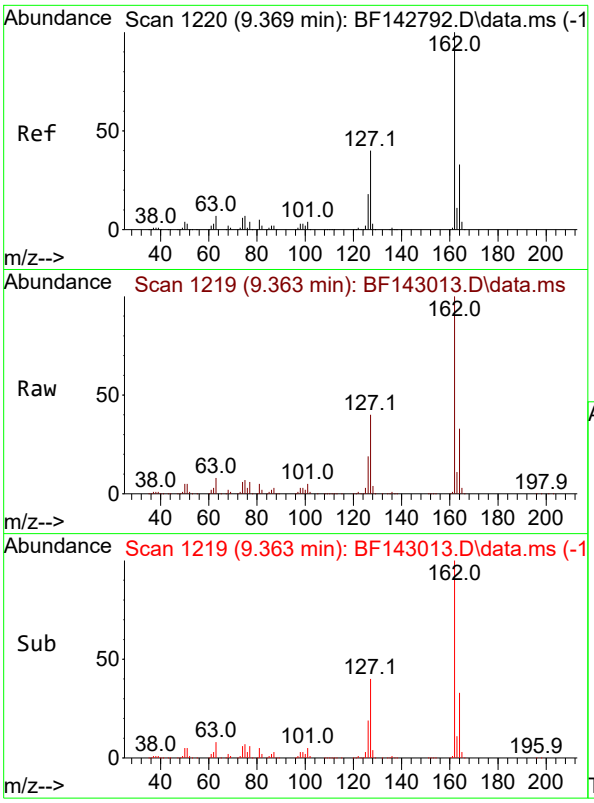




#46
1,1'-Biphenyl
Concen: 45.421 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:154 Resp: 432690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.1 | 20.3 | 60.3 |
| 76 | 9.9 | 0.0 | 30.3 |



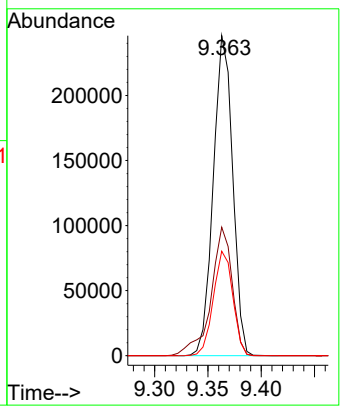


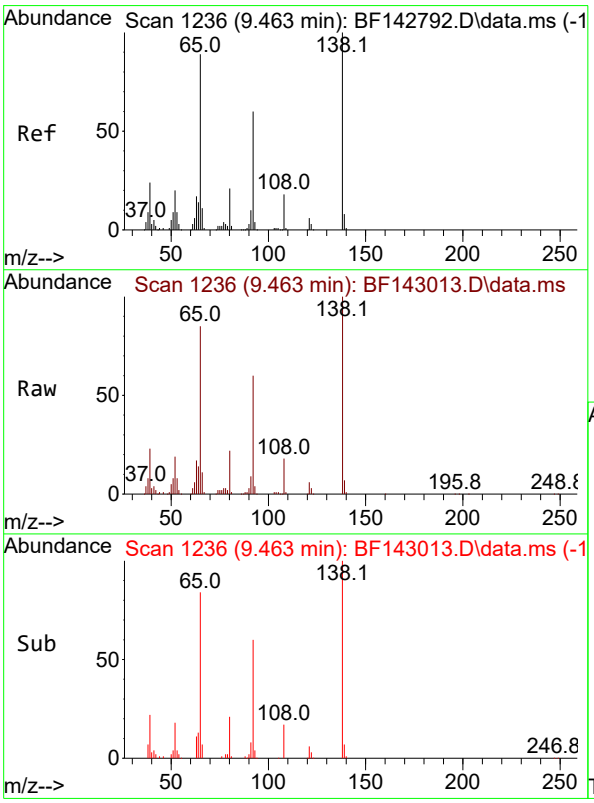

#47
2-Chloronaphthalene
Concen: 43.494 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:162 Resp: 310925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 40.1 | 32.2 | 48.2 |
| 164 | 32.7 | 26.1 | 39.1 |

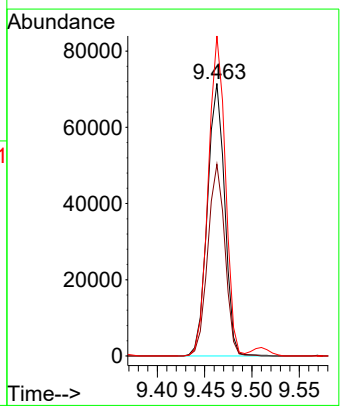


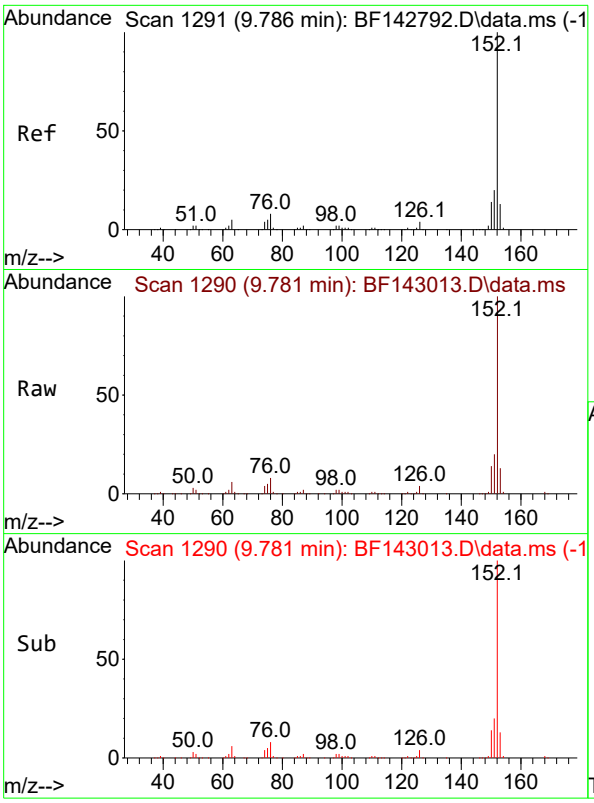




#48
2-Nitroaniline
Concen: 45.123 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion: 65 Resp: 90433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.4 | 53.8 | 80.6 |
| 138 | 117.5 | 89.6 | 134.4 |



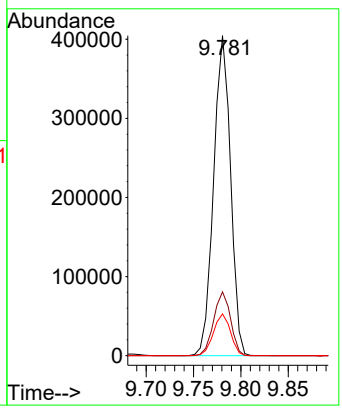


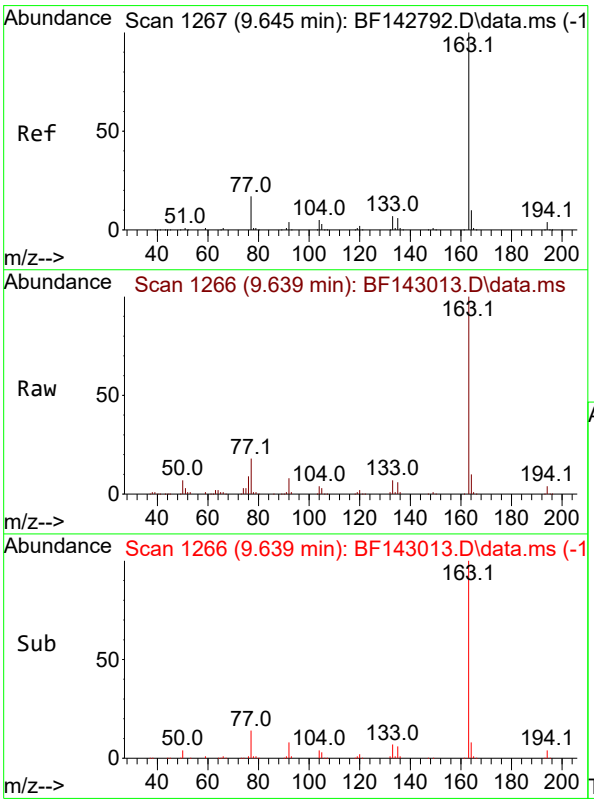

#49
Acenaphthylene
Concen: 42.724 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:152 Resp: 502790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 16.1 | 24.1 |
| 153 | 13.1 | 10.4 | 15.6 |

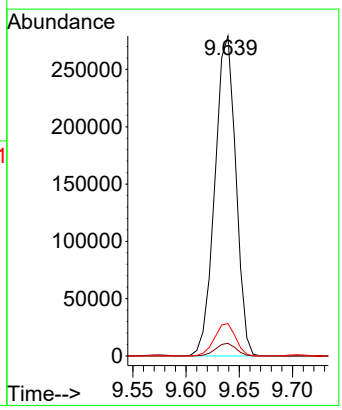


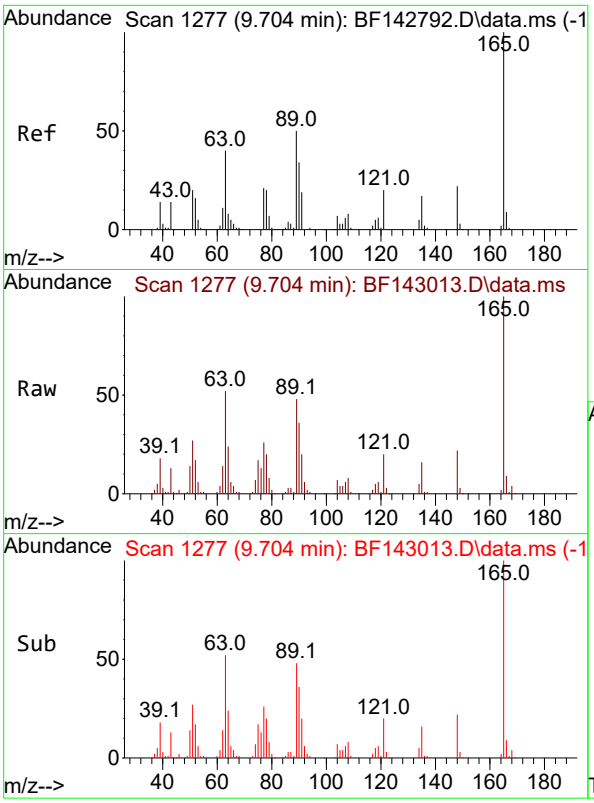




#50
Dimethylphthalate
Concen: 48.850 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:163 Resp: 381326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.3 | 4.9 |
| 164 | 10.1 | 8.0 | 12.0 |



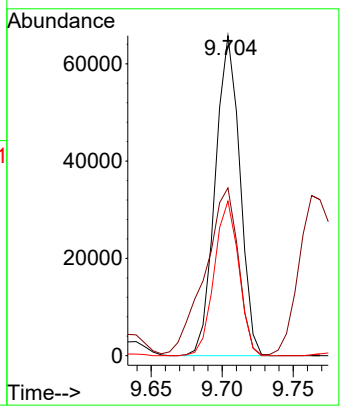


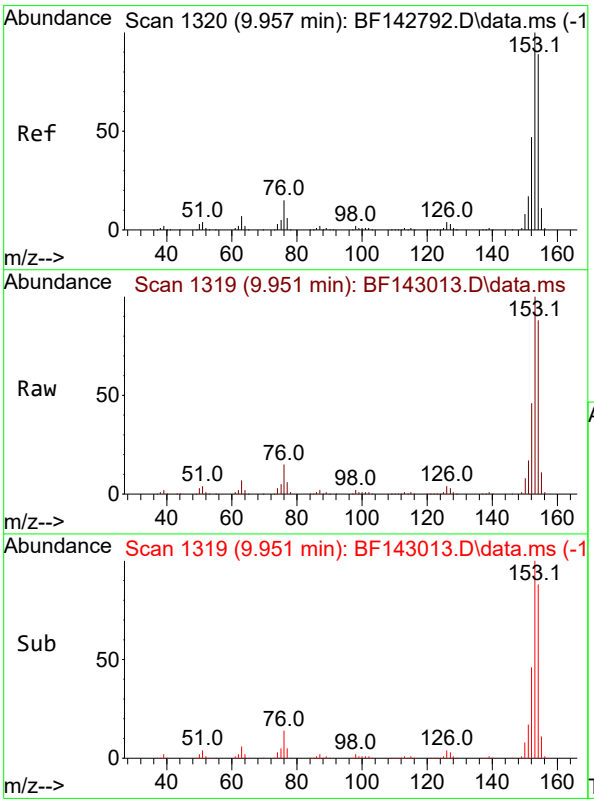

#51
2,6-Dinitrotoluene
Concen: 46.183 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:165 Resp: 79170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 52.4 | 44.2 | 66.4 |
| 89 | 48.3 | 39.8 | 59.8 |

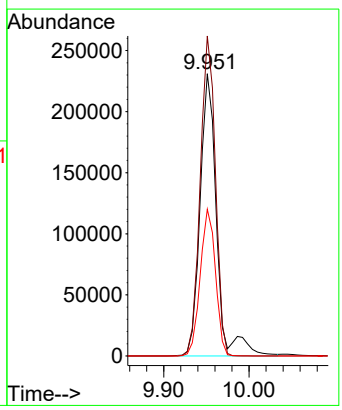


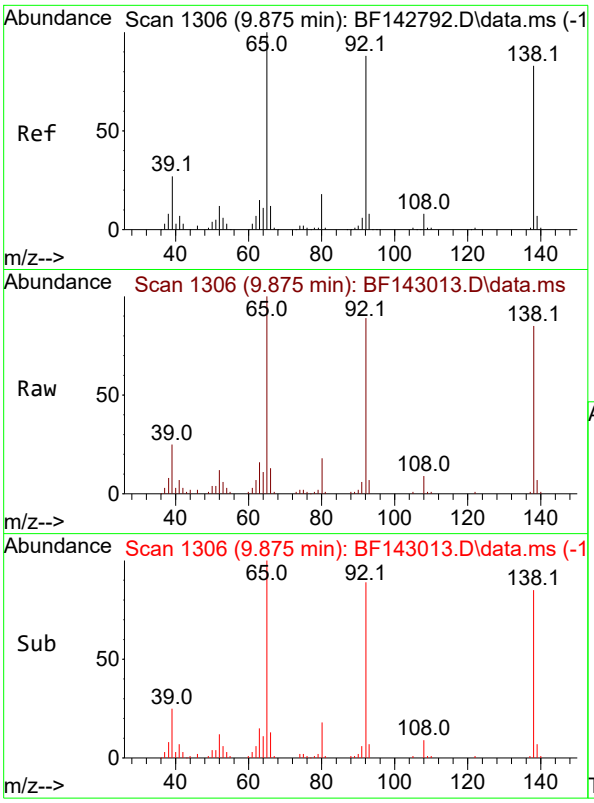




#52
Acenaphthene
Concen: 43.387 ng m
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:154 Resp: 311523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.3 | 90.0 | 135.0 |
| 152 | 52.0 | 41.9 | 62.9 |



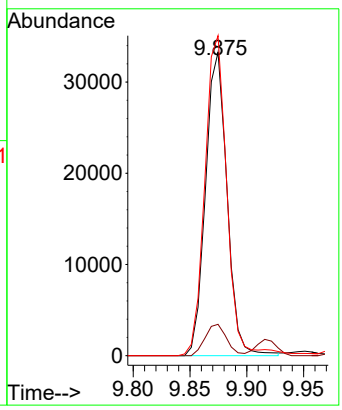


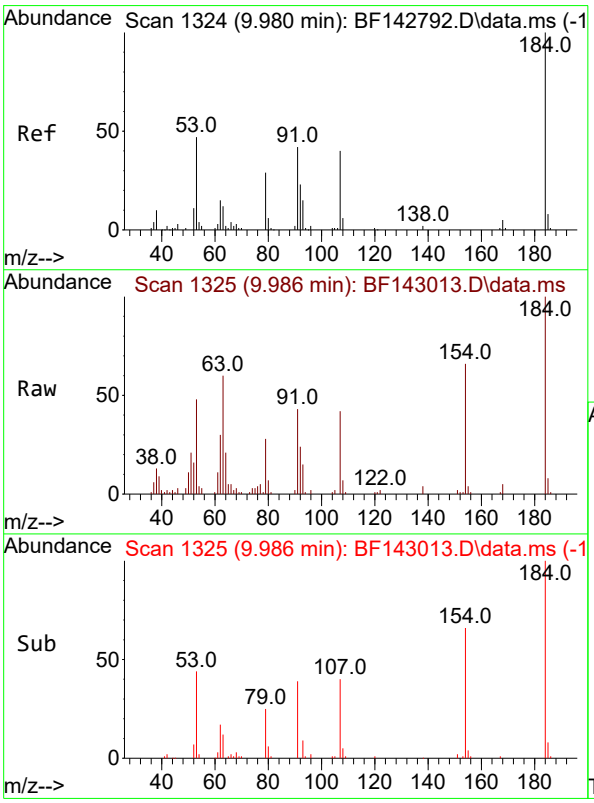

#53
3-Nitroaniline
Concen: 23.229 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:138 Resp: 43842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.4 | 8.1 | 12.1 |
| 92 | 105.4 | 85.1 | 127.7 |

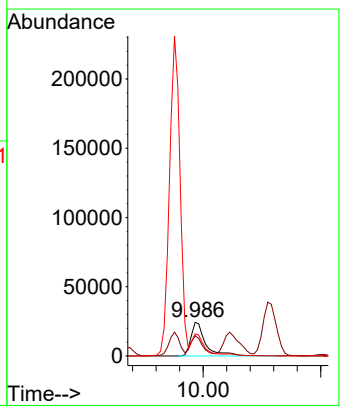


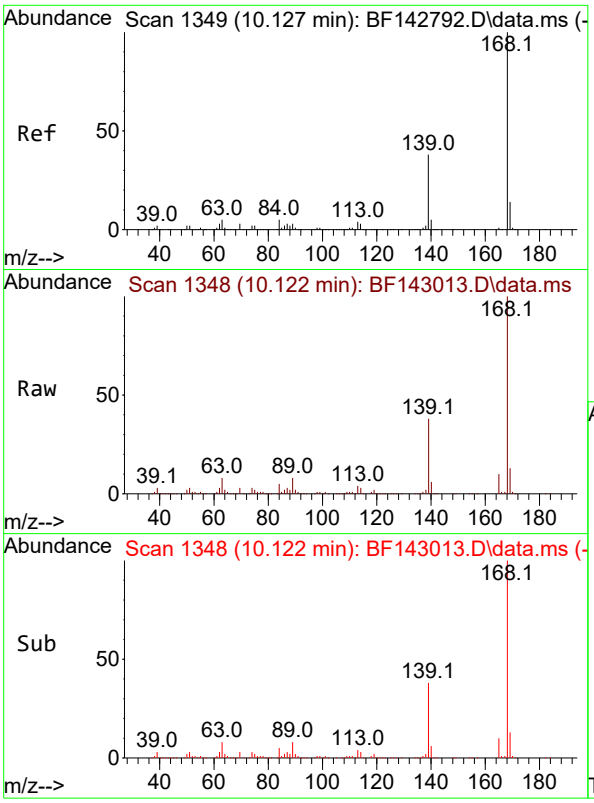




#54
2,4-Dinitrophenol
Concen: 49.432 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:184 Resp: 42431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 59.8 | 50.6 | 75.8 |
| 154 | 65.6 | 51.8 | 77.8 |



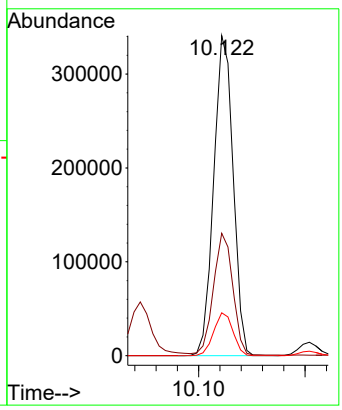


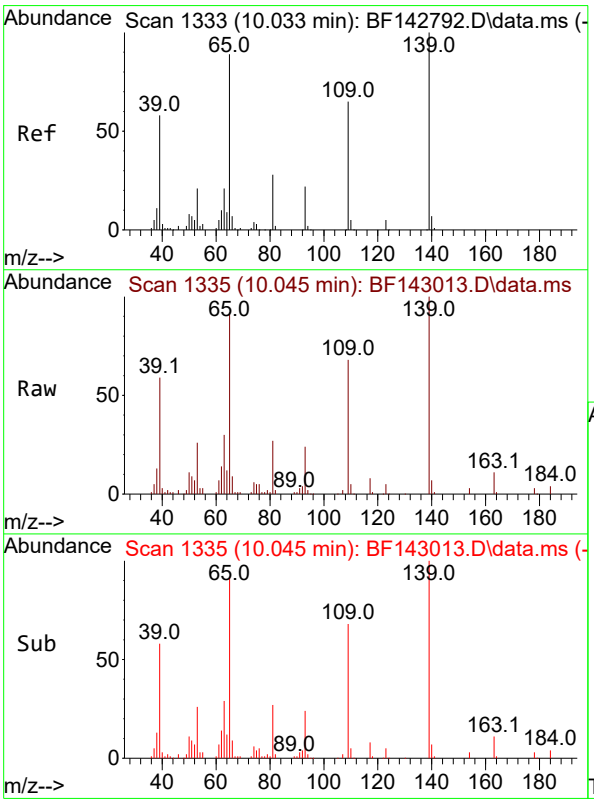

#55
Dibenzofuran
Concen: 41.830 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:168 Resp: 430683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.2 | 30.2 | 45.4 |
| 169 | 13.4 | 10.8 | 16.2 |

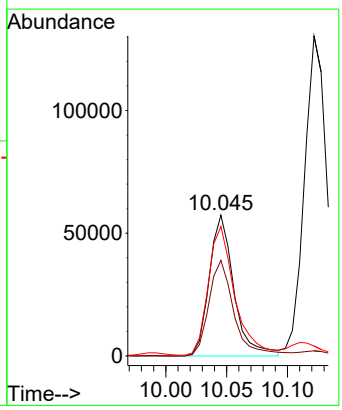


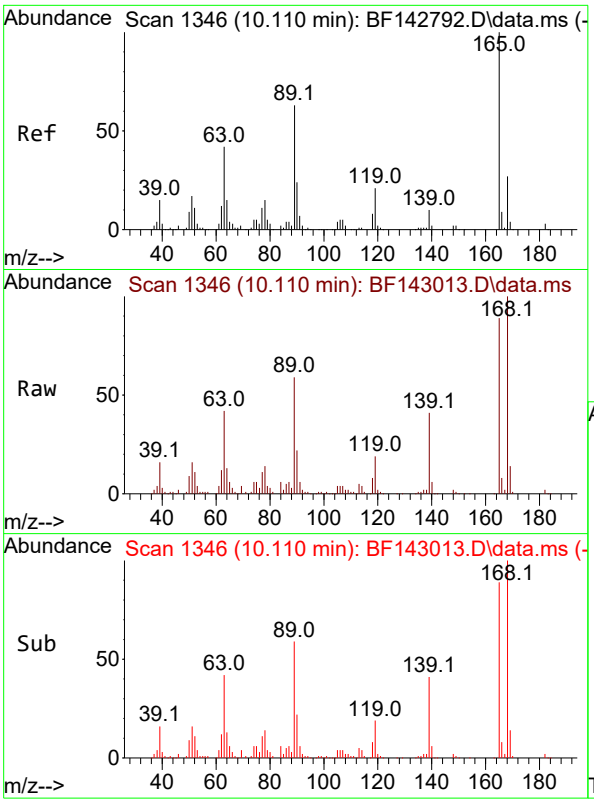




#56
4-Nitrophenol
Concen: 62.668 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.012 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:139 Resp: 80975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 67.8 | 44.7 | 84.7 |
| 65 | 92.0 | 69.8 | 109.8 |



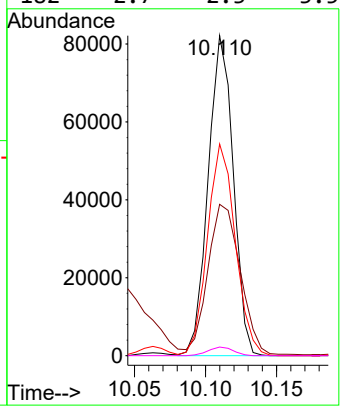


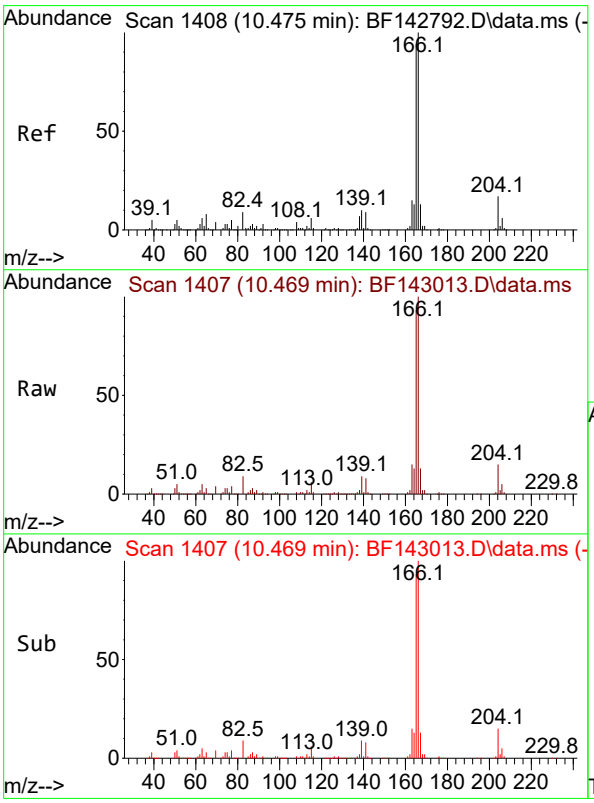

#57
2,4-Dinitrotoluene
Concen: 44.384 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:165 Resp: 101064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.3 | 33.9 | 50.9 |
| 89 | 66.1 | 50.6 | 75.8 |
| 182 | 2.7 | 2.3 | 3.5 |

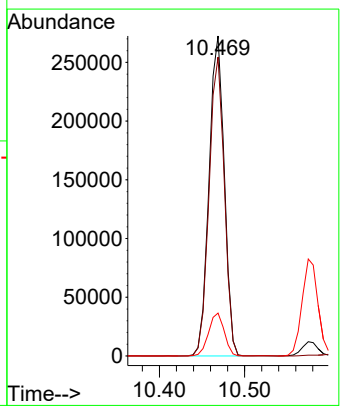


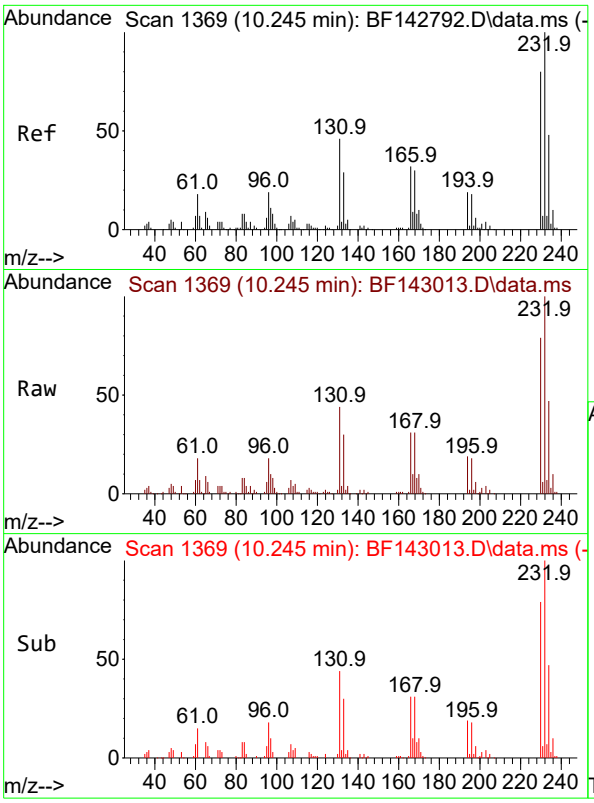




#58
Fluorene
Concen: 42.169 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:166 Resp: 339085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.4 | 75.2 | 112.8 |
| 167 | 13.4 | 10.6 | 15.8 |



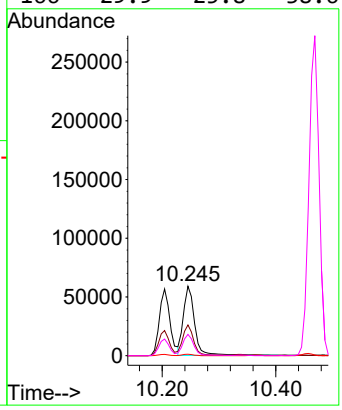


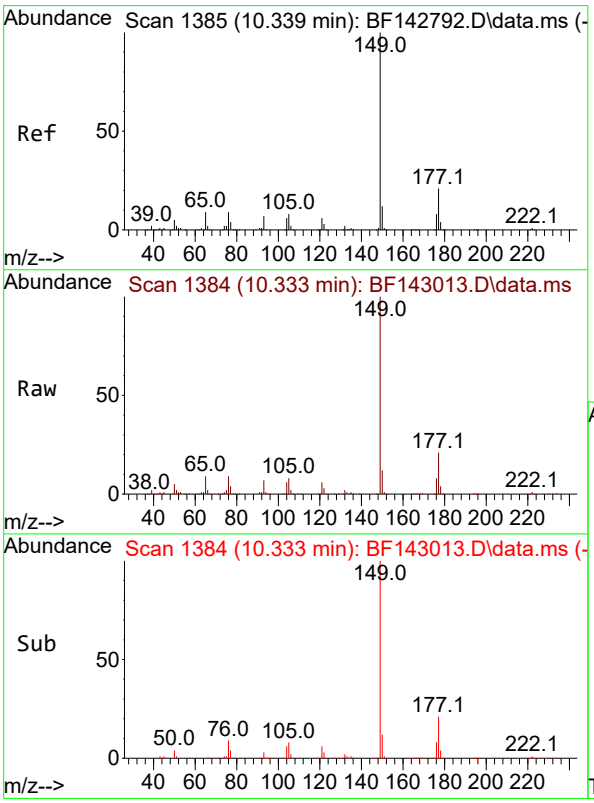

#59
2,3,4,6-Tetrachlorophenol
Concen: 41.094 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:232 Resp: 80850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 42.4 | 37.6 | 56.4 |
| 130 | 2.1 | 1.7 | 2.5 |
| 166 | 29.9 | 25.8 | 38.6 |

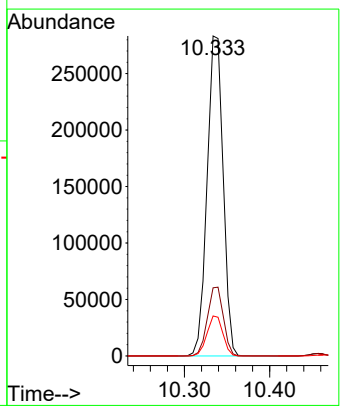


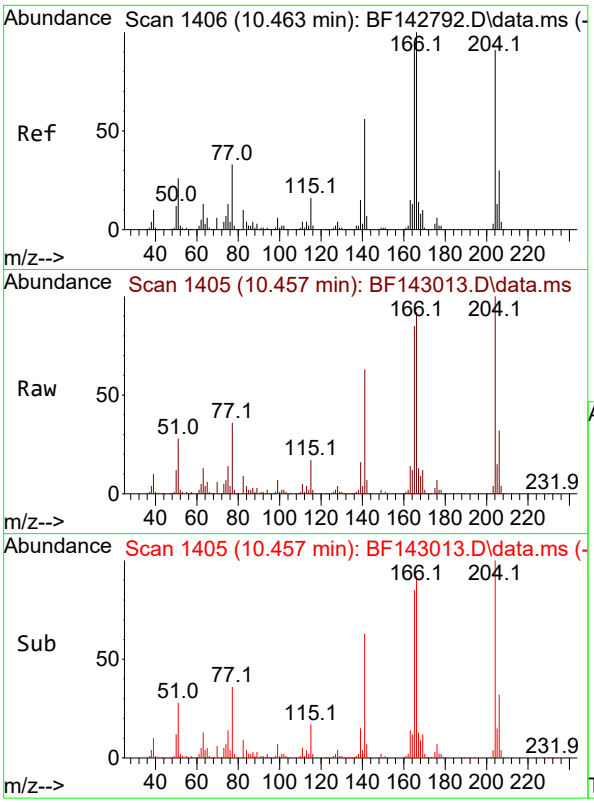




#60
Diethylphthalate
Concen: 48.542 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:149 Resp: 371522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.3 | 17.0 | 25.6 |
| 150 | 12.5 | 9.8 | 14.6 |



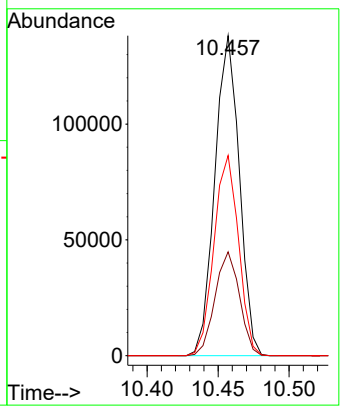


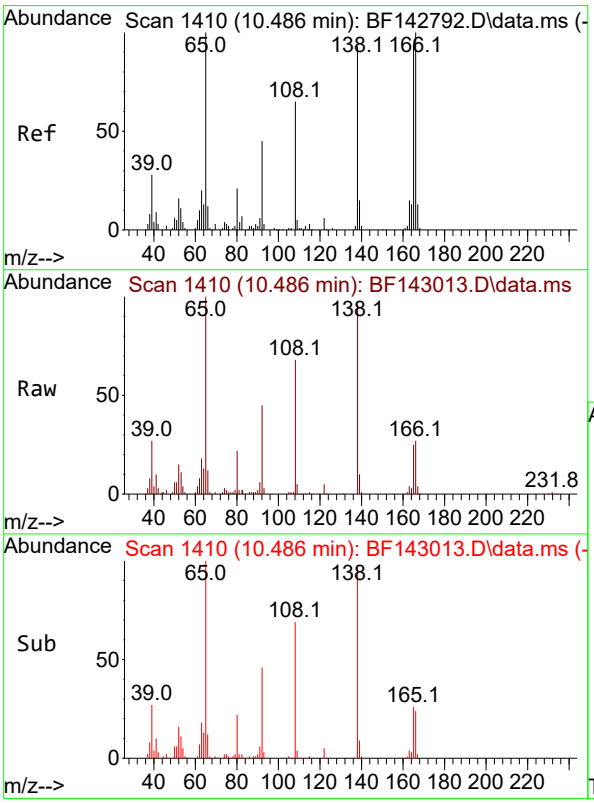

#61
4-Chlorophenyl-phenylether
Concen: 43.134 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:204 Resp: 165509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.5 | 26.3 | 39.5 |
| 141 | 62.6 | 49.1 | 73.7 |

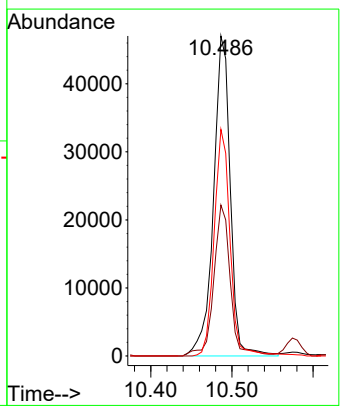


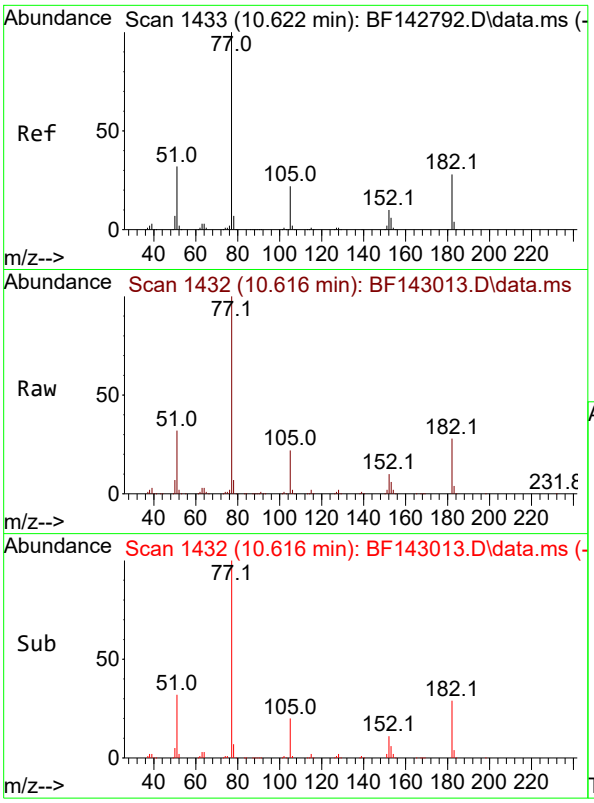




#62
4-Nitroaniline
Concen: 39.242 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:138 Resp: 67738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 47.1 | 28.4 | 68.4 |
| 108 | 70.8 | 50.2 | 90.2 |



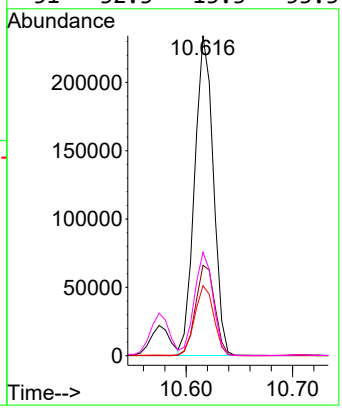


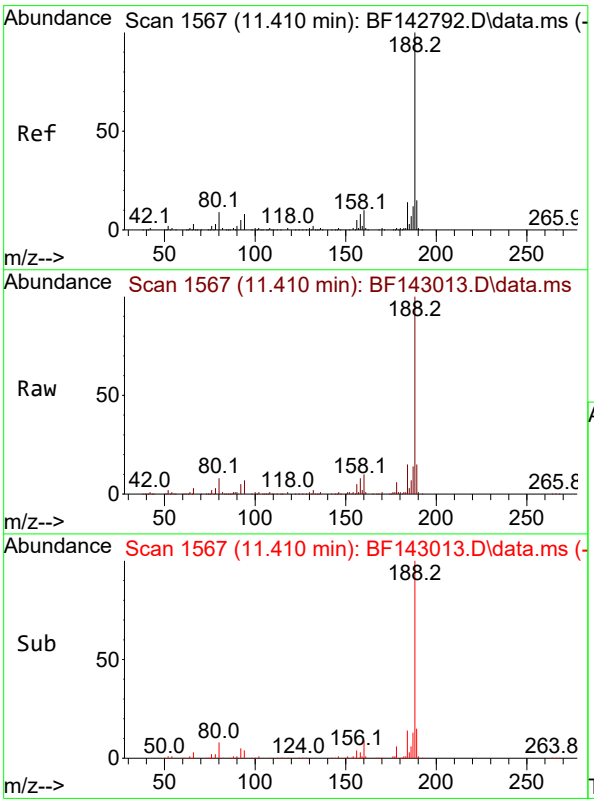

#63
Azobenzene
Concen: 41.838 ng
RT: 10.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion: 77 Resp: 286196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.2 | 7.7 | 47.7 |
| 105 | 21.9 | 1.9 | 41.9 |
| 51 | 32.3 | 13.3 | 53.3 |

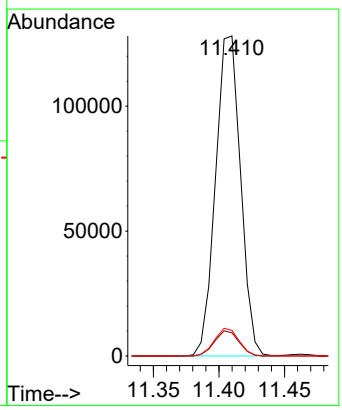


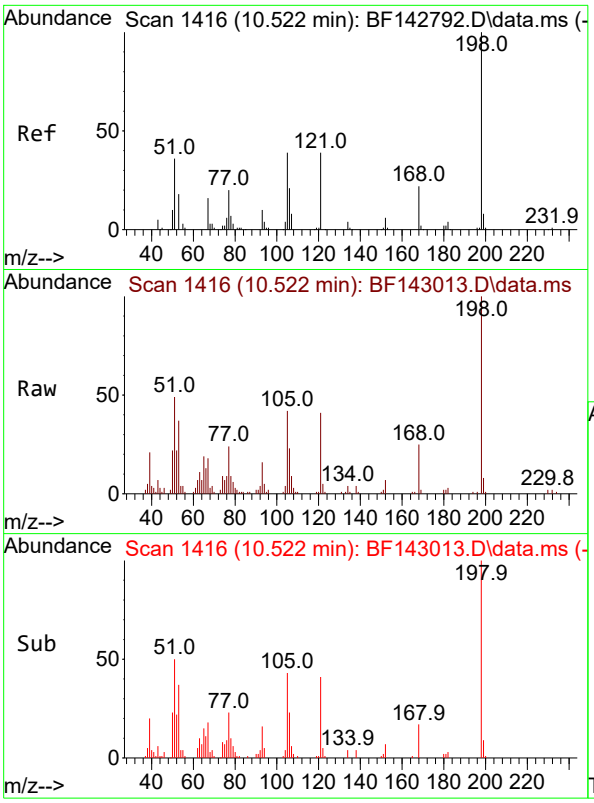




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:188 Resp: 169949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.3 | 6.7 | 10.1 |
| 80 | 8.0 | 6.9 | 10.3 |



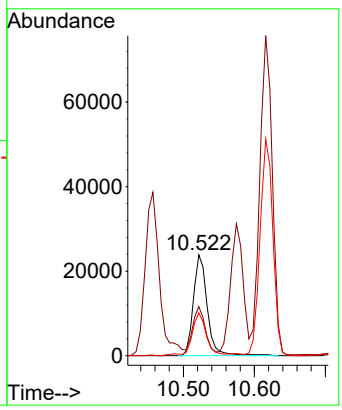


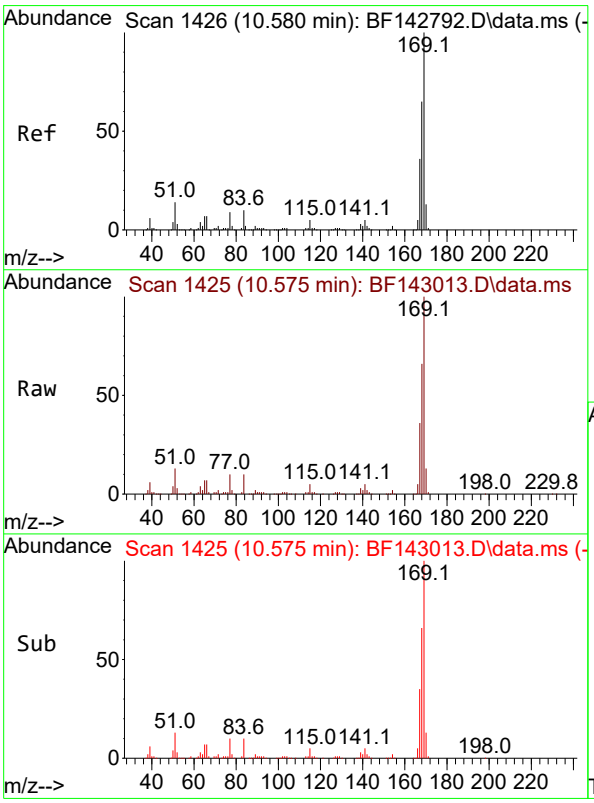

#65
4,6-Dinitro-2-methylphenol
Concen: 31.554 ng
RT: 10.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:198 Resp: 32436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 48.7 | 25.4 | 65.4 |
| 105 | 42.4 | 20.4 | 60.4 |

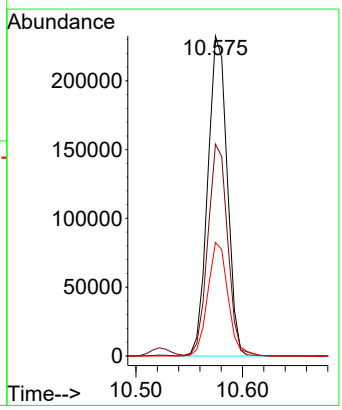


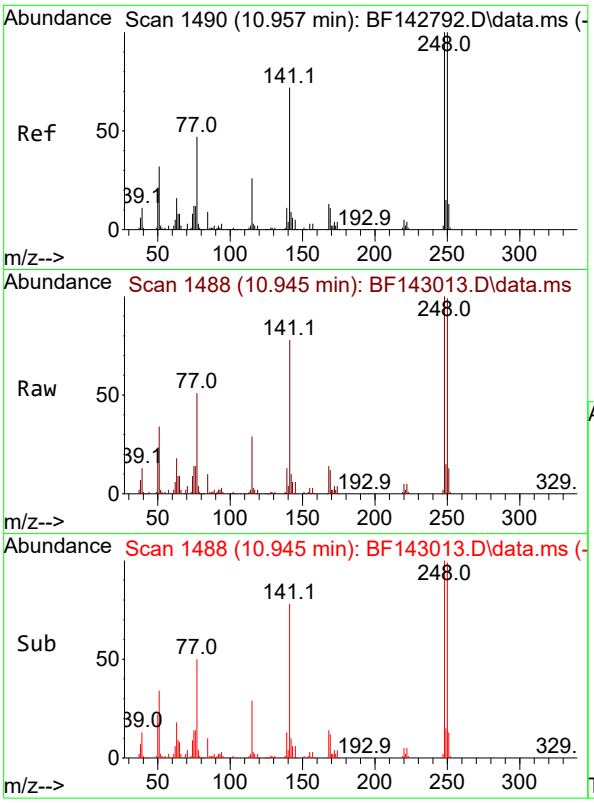




#66
n-Nitrosodiphenylamine
Concen: 49.849 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:169 Resp: 293611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.2 | 51.9 | 77.9 |
| 167 | 35.5 | 28.5 | 42.7 |



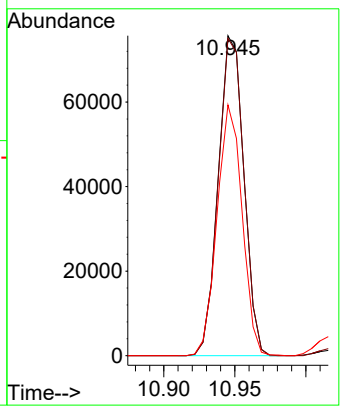


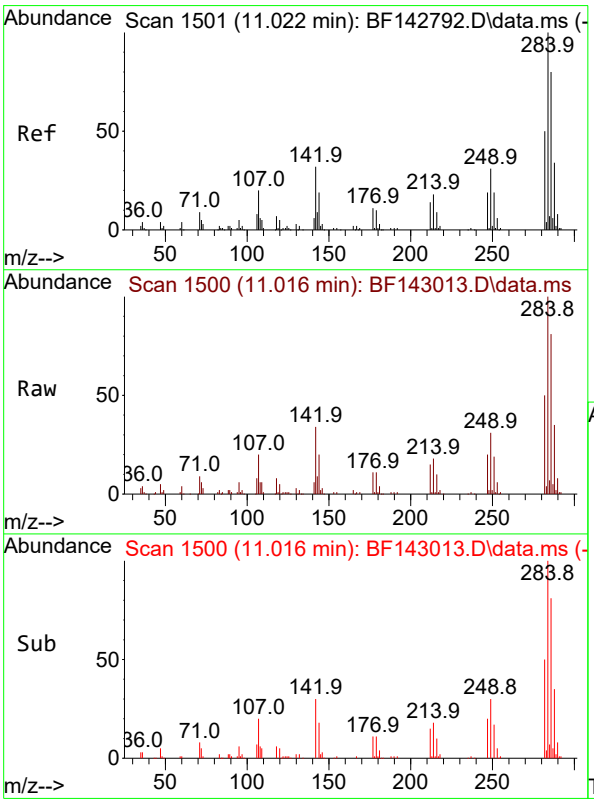

#67
4-Bromophenyl-phenylether
Concen: 49.047 ng
RT: 10.945 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:248 Resp: 94866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.2 | 79.8 | 119.8 |
| 141 | 78.3 | 57.8 | 86.6 |

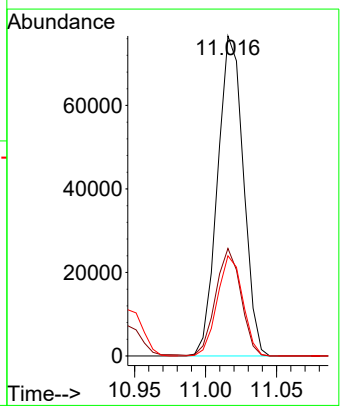


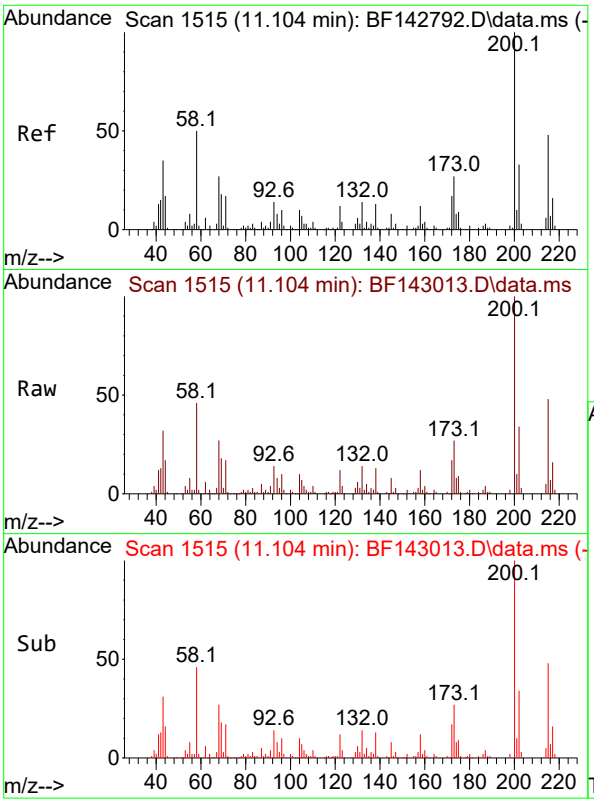




#68
Hexachlorobenzene
Concen: 45.056 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:284 Resp: 96834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.6 | 25.5 | 38.3 |
| 249 | 31.3 | 24.9 | 37.3 |



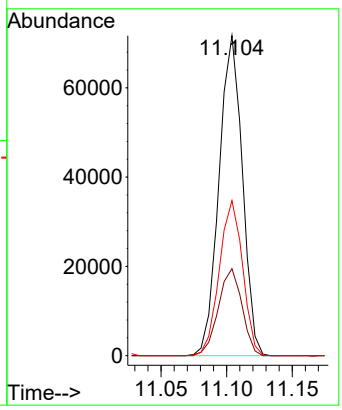


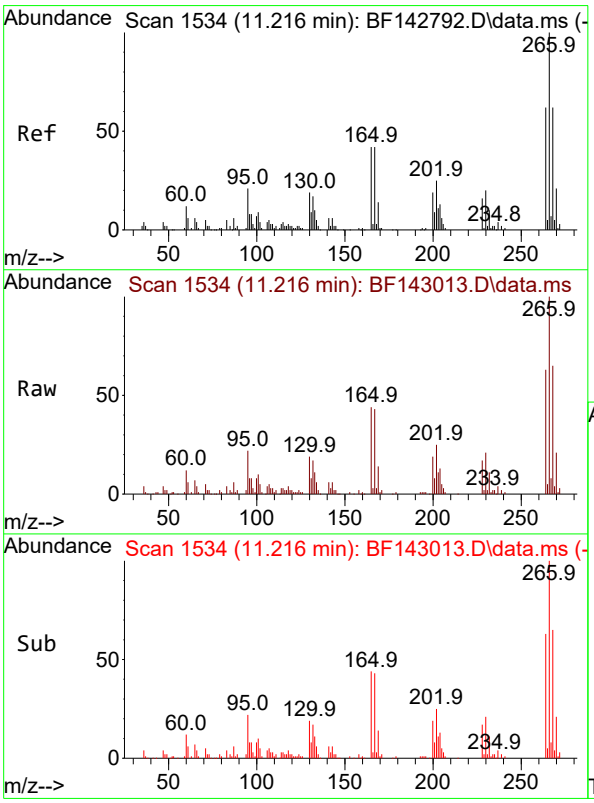

#69
Atrazine
Concen: 58.261 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:200 Resp: 88615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.2 | 7.4 | 47.4 |
| 215 | 48.4 | 28.4 | 68.4 |

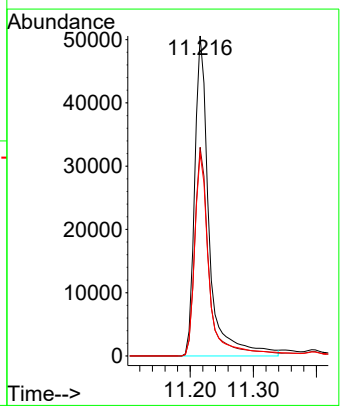


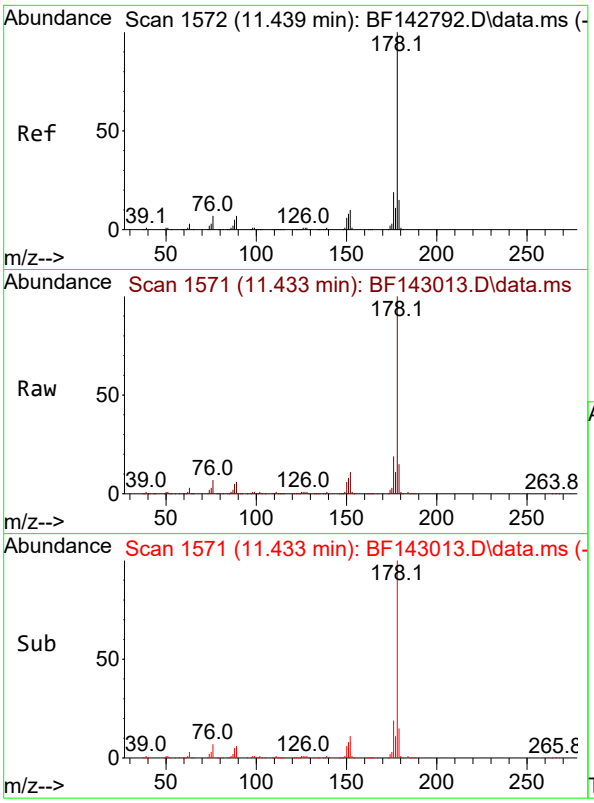




#70
Pentachlorophenol
Concen: 75.078 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:266 Resp: 80404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 65.2 | 49.8 | 74.8 |
| 264 | 63.2 | 49.9 | 74.9 |



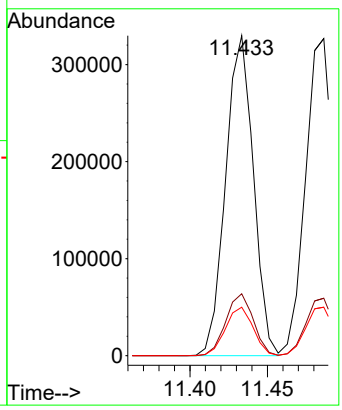


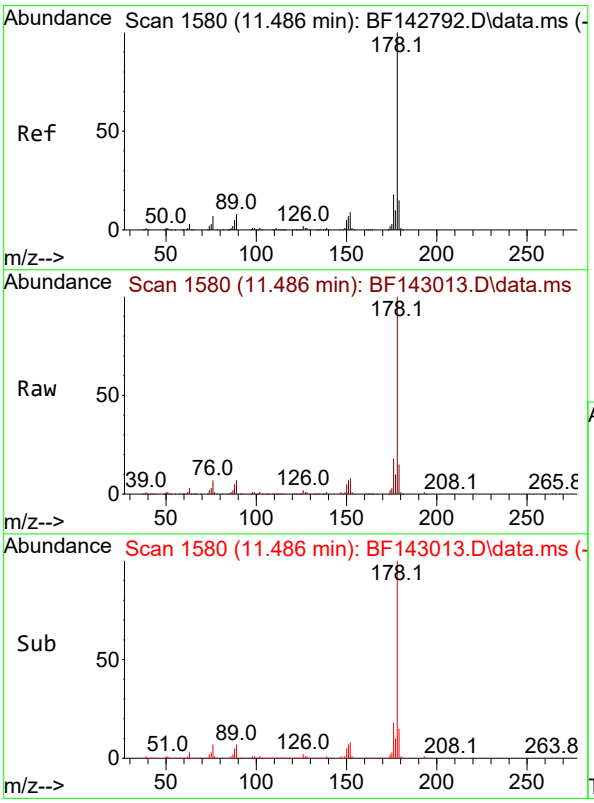

#71
Phenanthrene
Concen: 44.618 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:178 Resp: 410759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.1 | 22.7 |
| 179 | 15.2 | 12.0 | 18.0 |

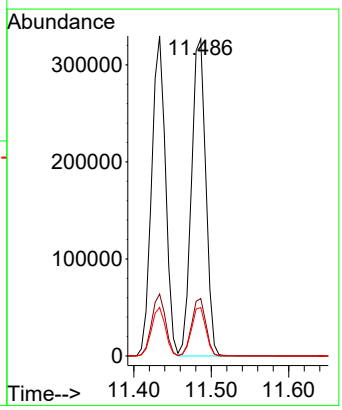


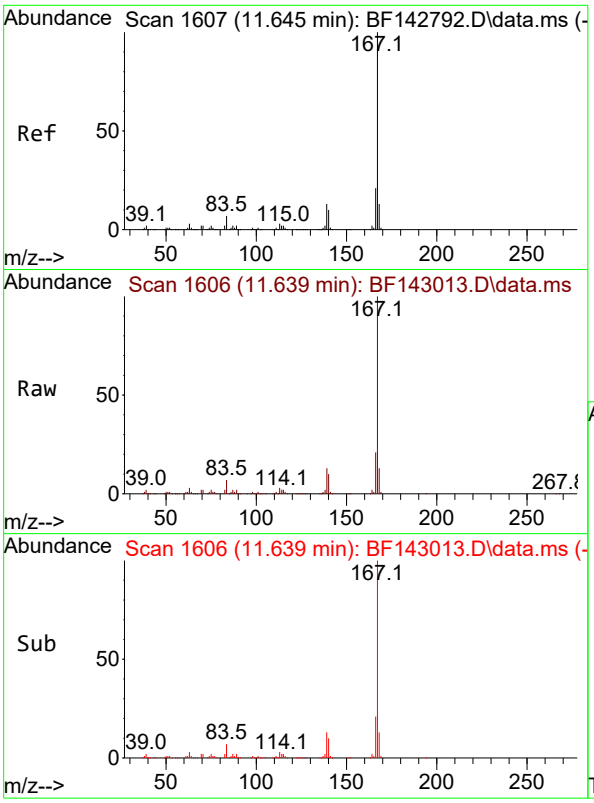




#72
Anthracene
Concen: 44.314 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:178 Resp: 418402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.1 | 14.6 | 21.8 |
| 179 | 15.3 | 12.4 | 18.6 |



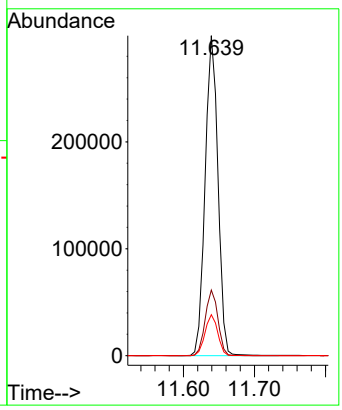


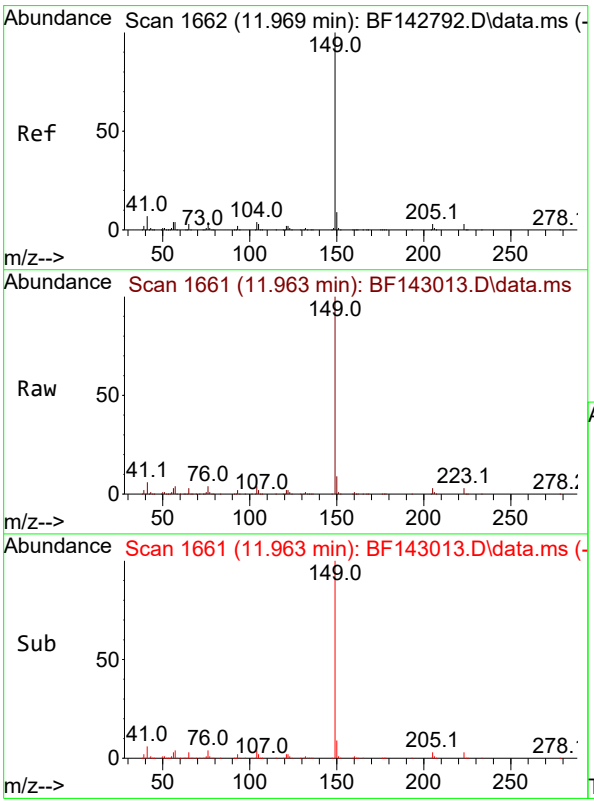

#73
Carbazole
Concen: 46.195 ng
RT: 11.639 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:167 Resp: 376390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 20.5 | 17.0 | 25.4 |
| 139 | 12.8 | 10.2 | 15.2 |

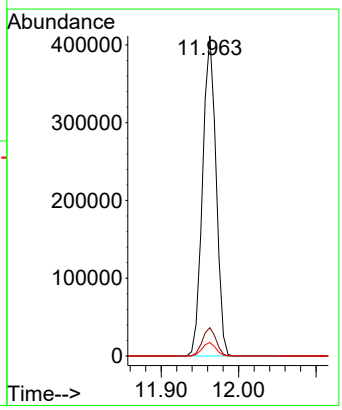


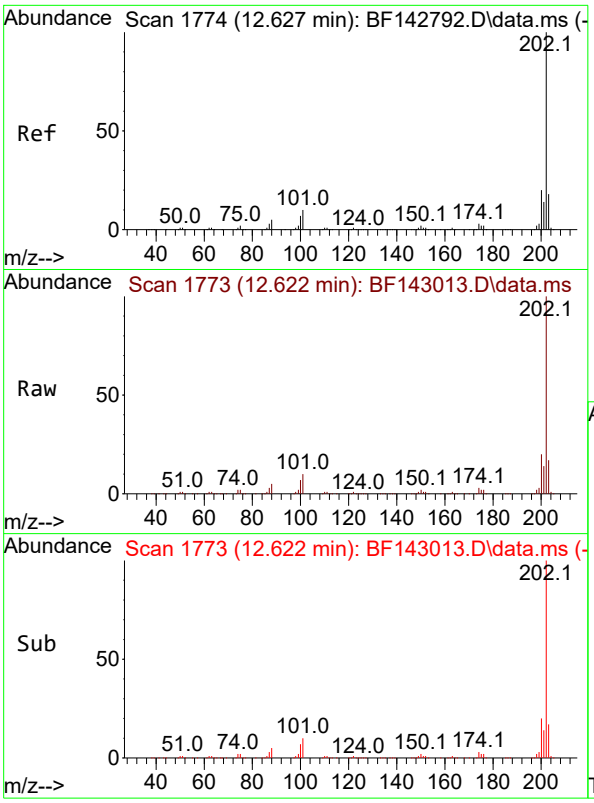




#74
Di-n-butylphthalate
Concen: 58.492 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:149 Resp: 496484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 8.9 | 7.4 | 11.0 |
| 104 | 4.2 | 3.5 | 5.3 |



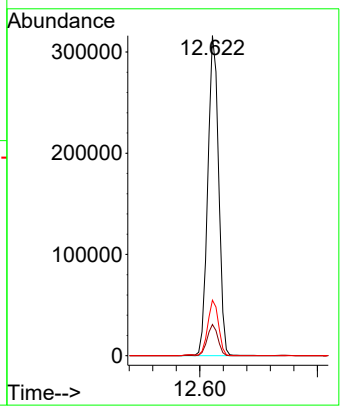


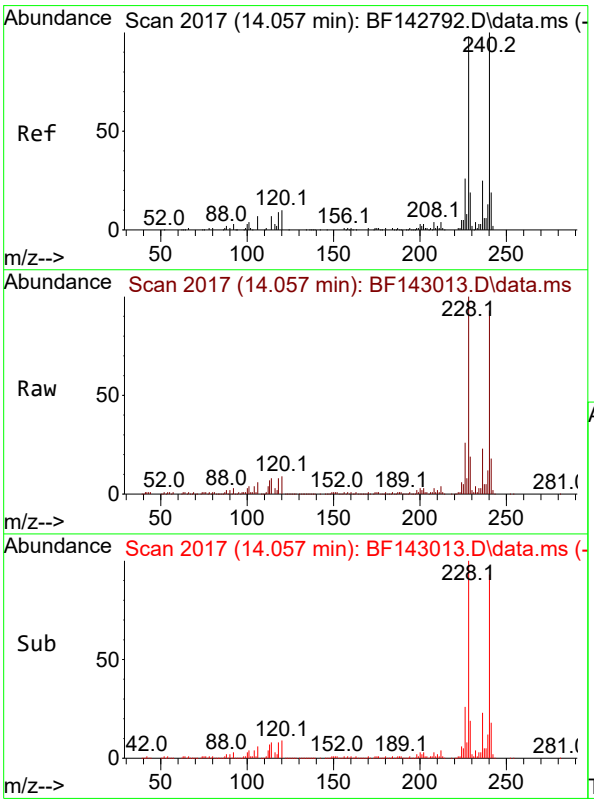

#75
Fluoranthene
Concen: 46.164 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:202 Resp: 403342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.7 | 0.0 | 29.7 |
| 203 | 17.4 | 0.0 | 37.5 |

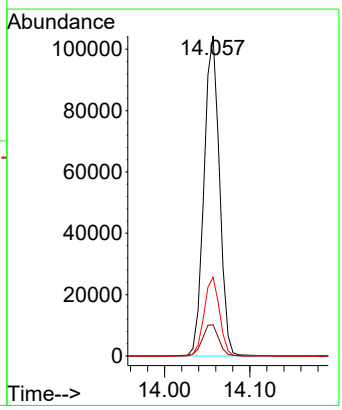


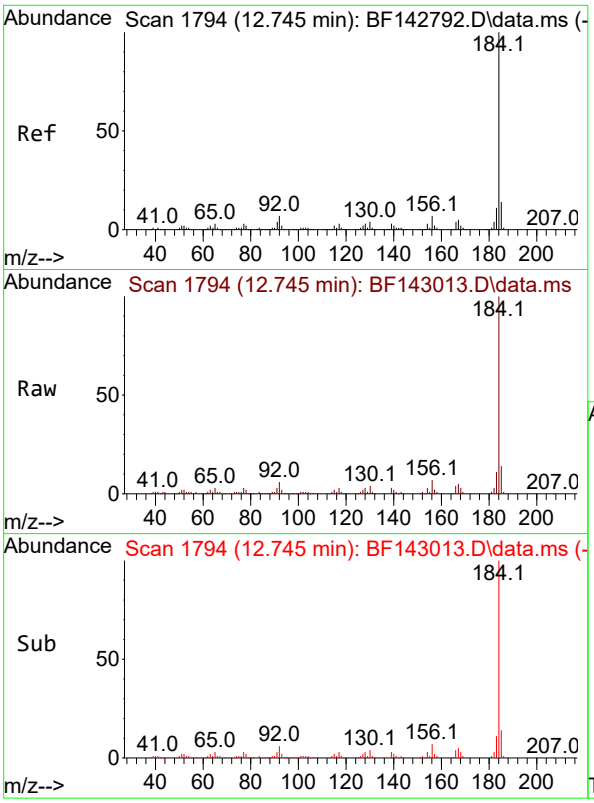




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:240 Resp: 131277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.7 | 8.2 | 12.2 |
| 236 | 24.6 | 19.8 | 29.8 |



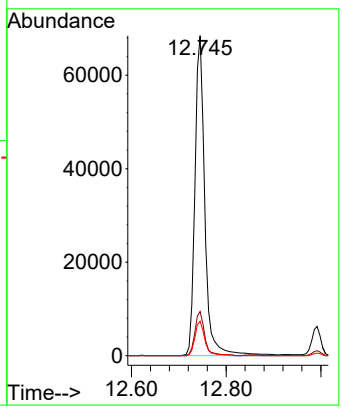


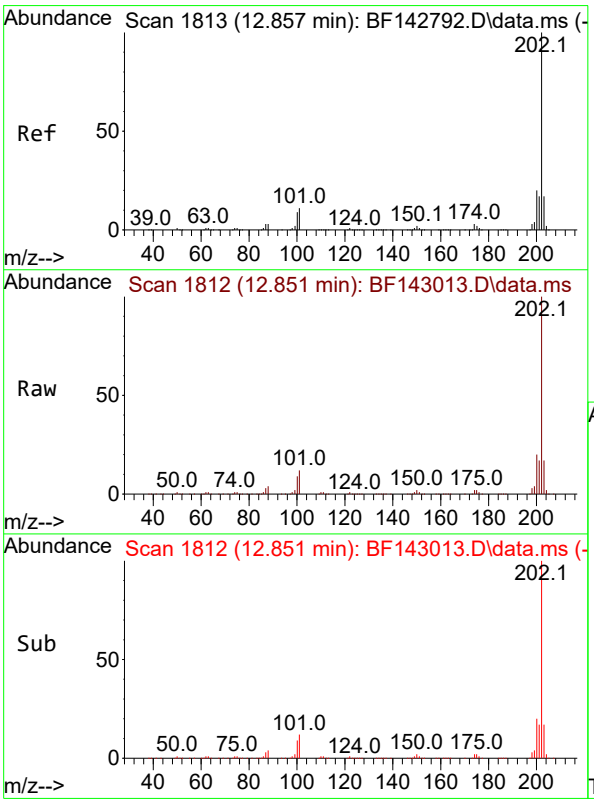

#77
Benzidine
Concen: 20.218 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:184 Resp: 99722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.8 | 11.5 | 17.3 |
| 183 | 10.8 | 9.0 | 13.4 |

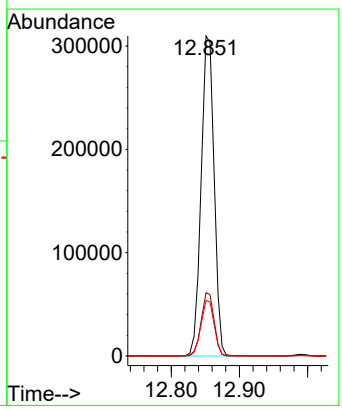


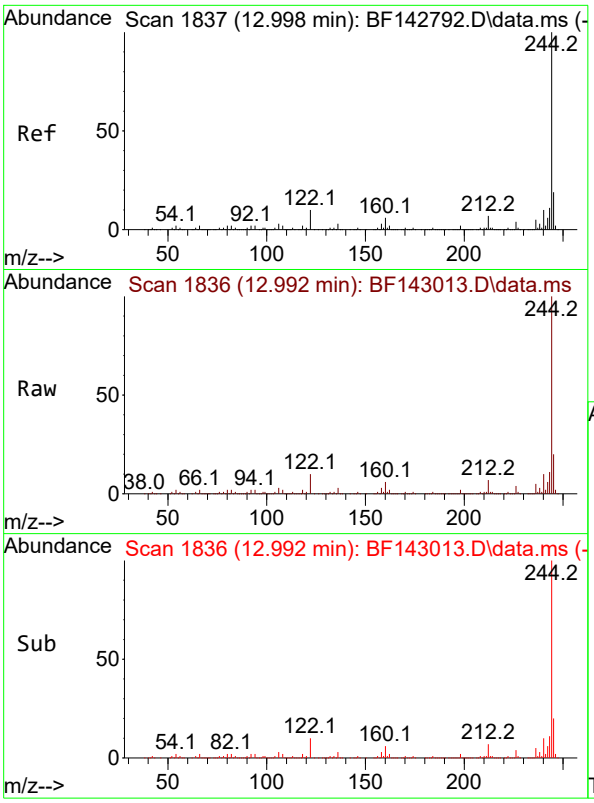




#78
Pyrene
Concen: 33.405 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:202 Resp: 411055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.7 | 15.7 | 23.5 |
| 203 | 17.4 | 13.8 | 20.6 |



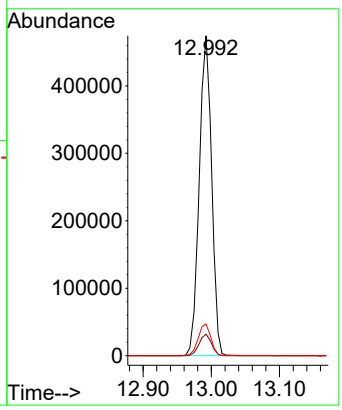


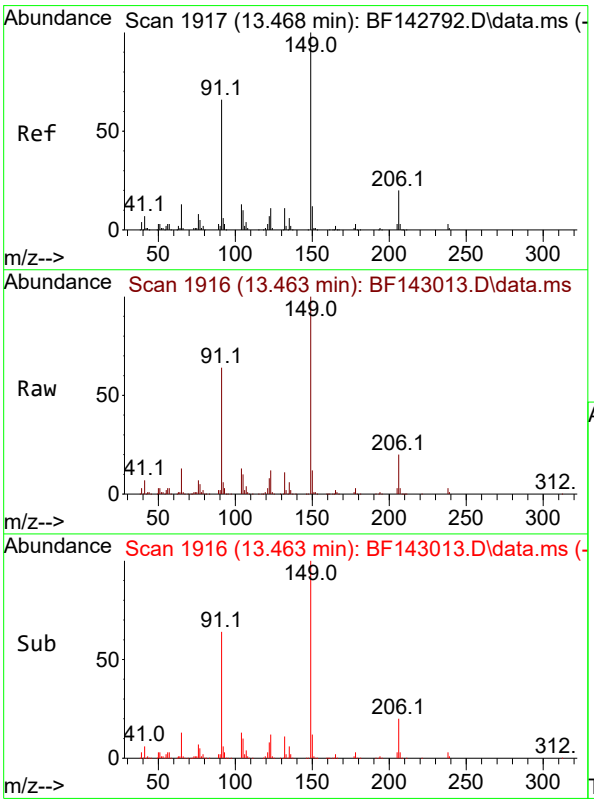

#79
Terphenyl-d14
Concen: 63.180 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:244 Resp: 600281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.4 | 8.0 |
| 122 | 9.9 | 8.2 | 12.2 |

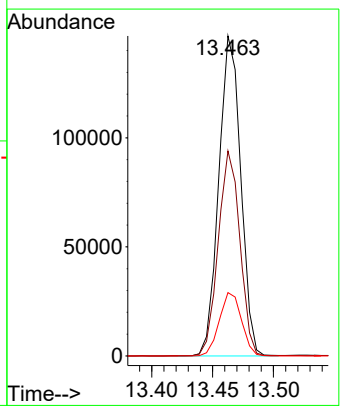


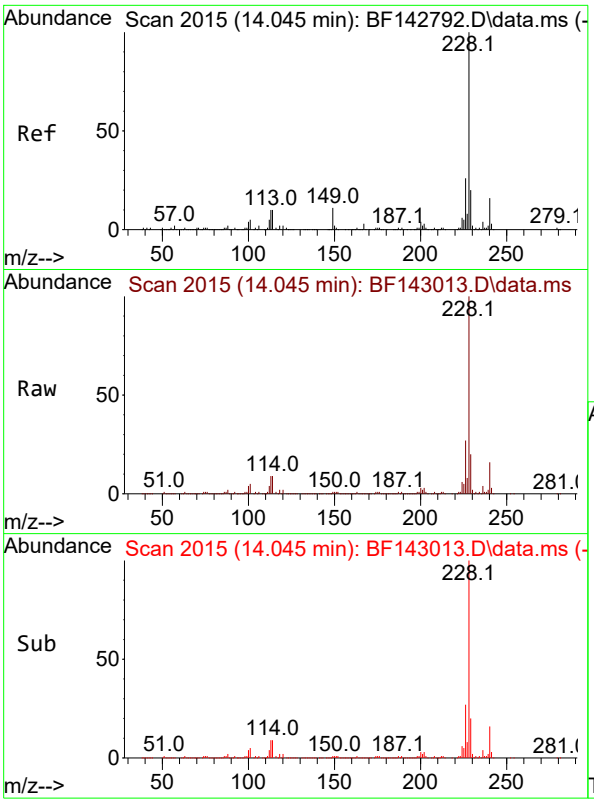




#80
Butylbenzylphthalate
Concen: 51.529 ng
RT: 13.463 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:149 Resp: 183927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 64.1 | 52.9 | 79.3 |
| 206 | 19.8 | 16.3 | 24.5 |



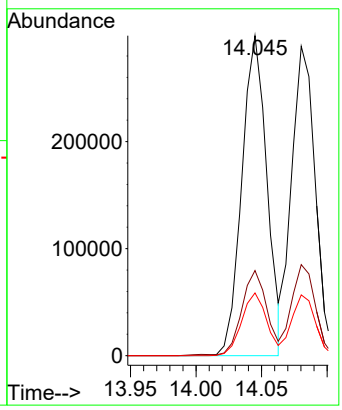


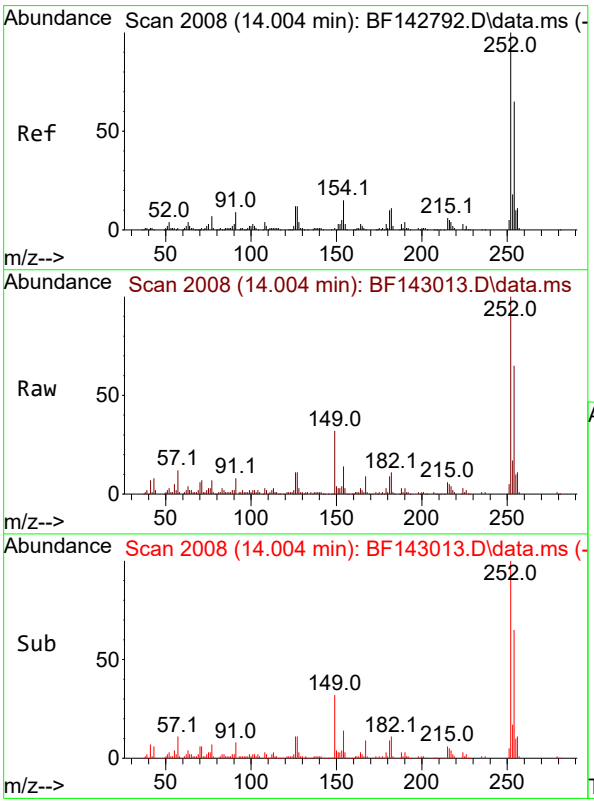

#81
Benzo(a)anthracene
Concen: 44.925 ng
RT: 14.045 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:228 Resp: 397859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.6 | 21.2 | 31.8 |
| 229 | 19.6 | 15.6 | 23.4 |

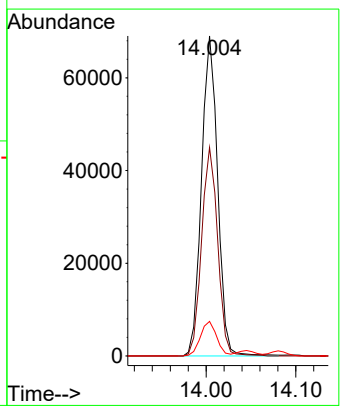


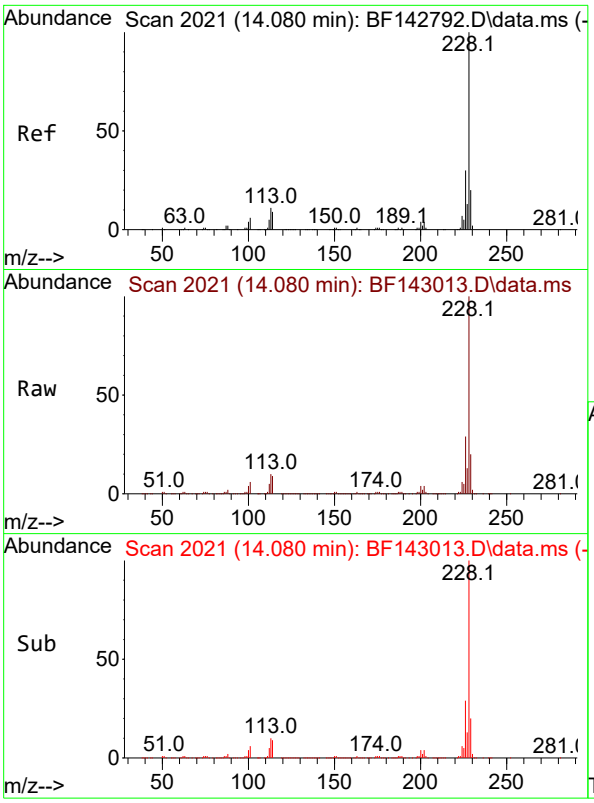




#82
3,3'-Dichlorobenzidine
Concen: 30.019 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:252 Resp: 86231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.1 | 51.7 | 77.5 |
| 126 | 10.8 | 9.4 | 14.2 |



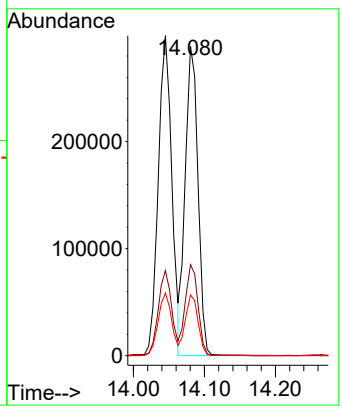


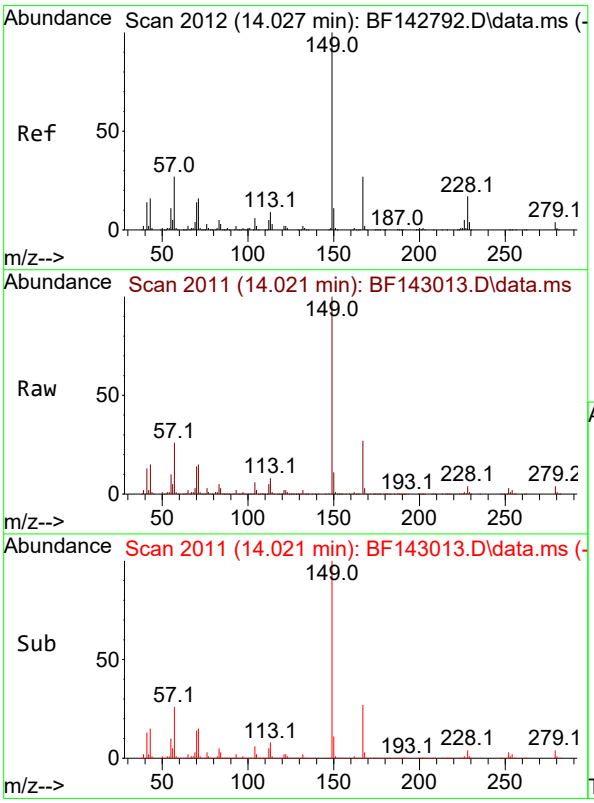

#83
Chrysene
Concen: 45.743 ng
RT: 14.080 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:228 Resp: 361481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.4 | 23.7 | 35.5 |
| 229 | 19.7 | 15.7 | 23.5 |

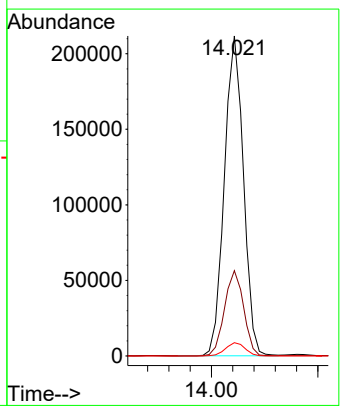


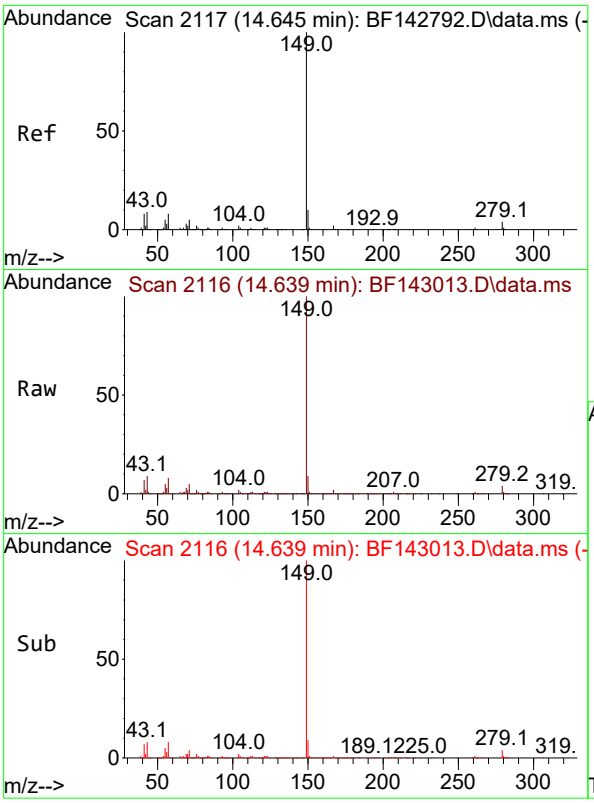




#84
Bis(2-ethylhexyl)phthalate
Concen: 51.127 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:149 Resp: 262567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.6 | 21.4 | 32.0 |
| 279 | 4.2 | 3.0 | 4.6 |



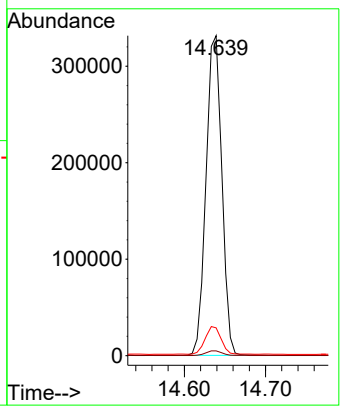


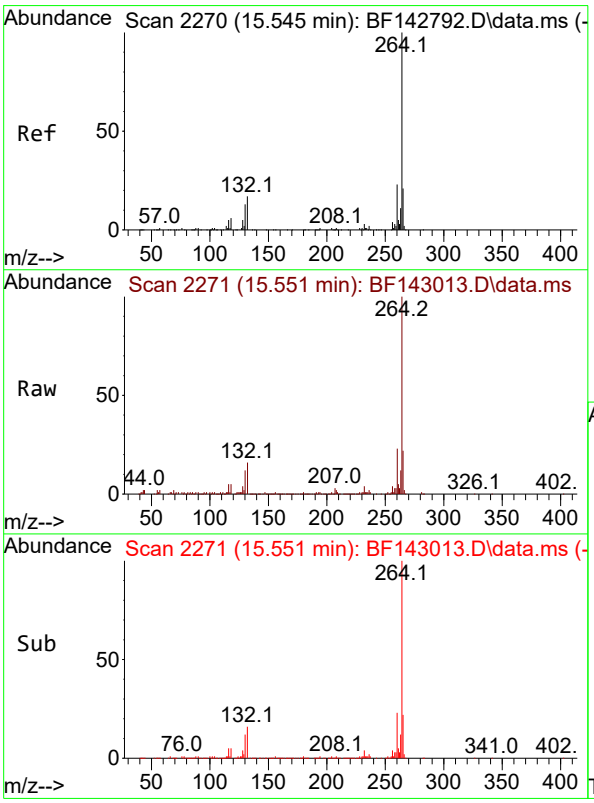

#85
Di-n-octyl phthalate
Concen: 46.204 ng
RT: 14.639 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:149 Resp: 447424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 8.9 | 7.6 | 11.4 |

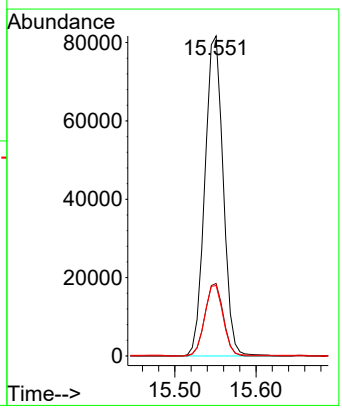


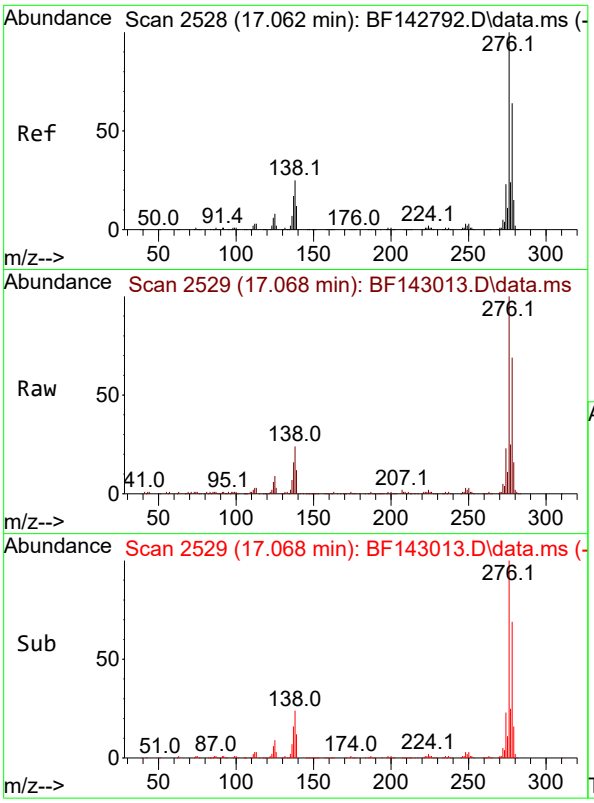




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:264 Resp: 127587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.7 | 18.1 | 27.1 |
| 265 | 22.0 | 16.6 | 25.0 |



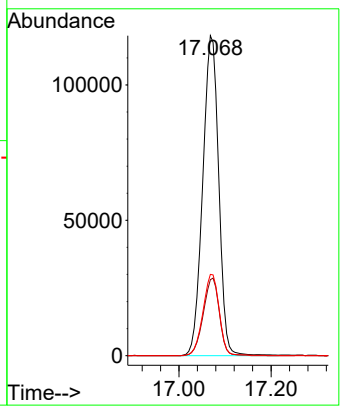


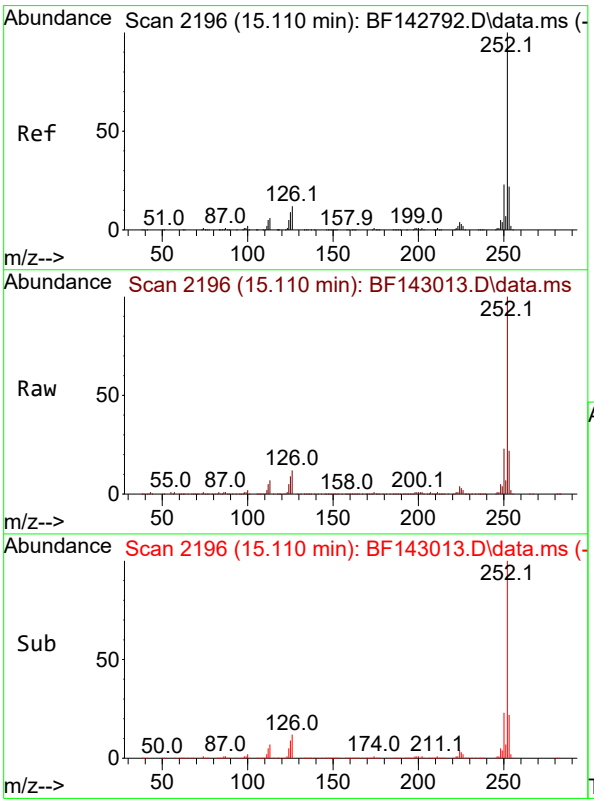

#87
Indeno(1,2,3-cd)pyrene
Concen: 29.444 ng
RT: 17.068 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:276 Resp: 286139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.5 | 20.2 | 30.4 |
| 277 | 25.8 | 19.8 | 29.6 |

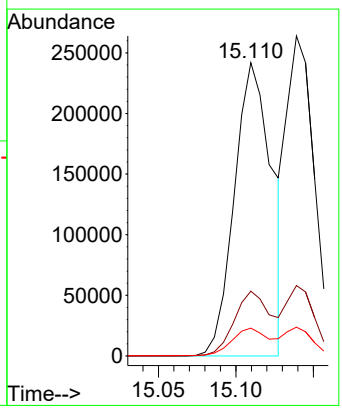


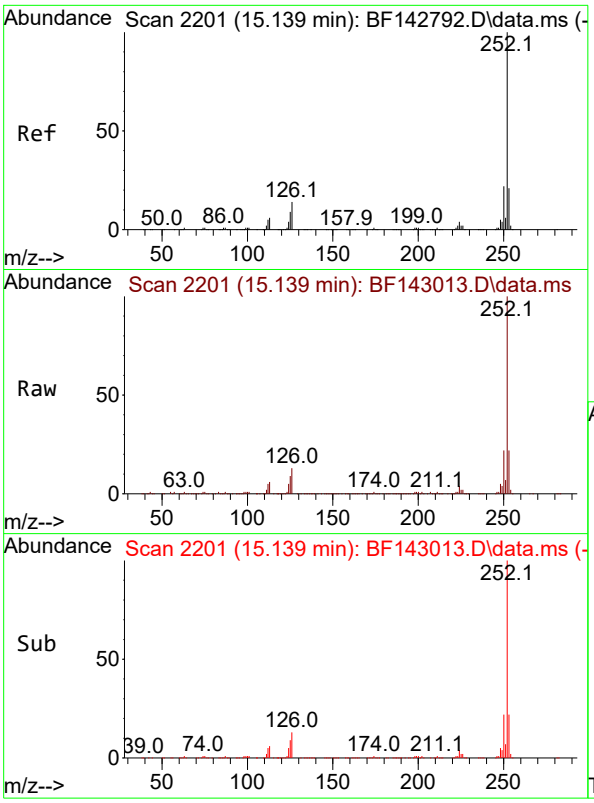




#88
Benzo(b)fluoranthene
Concen: 54.995 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:252 Resp: 406017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.5 | 26.3 |
| 125 | 9.5 | 7.4 | 11.0 |



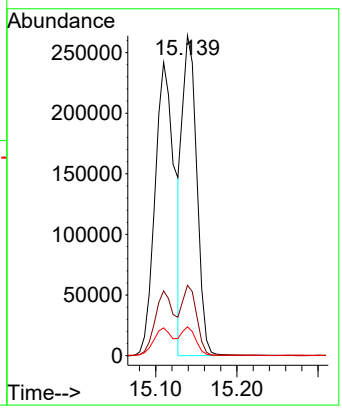


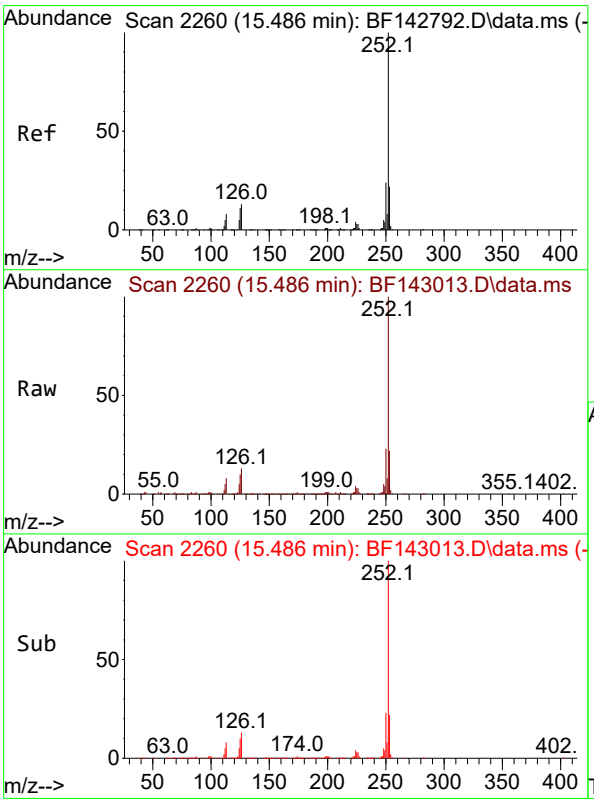

#89
Benzo(k)fluoranthene
Concen: 47.641 ng
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:252 Resp: 329060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.2 | 25.8 |
| 125 | 9.0 | 7.4 | 11.2 |

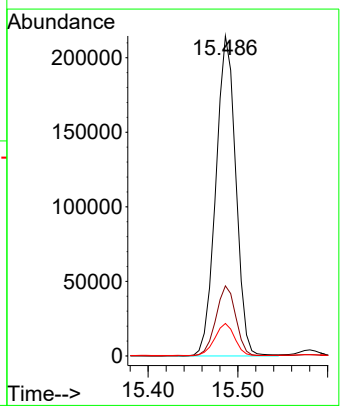


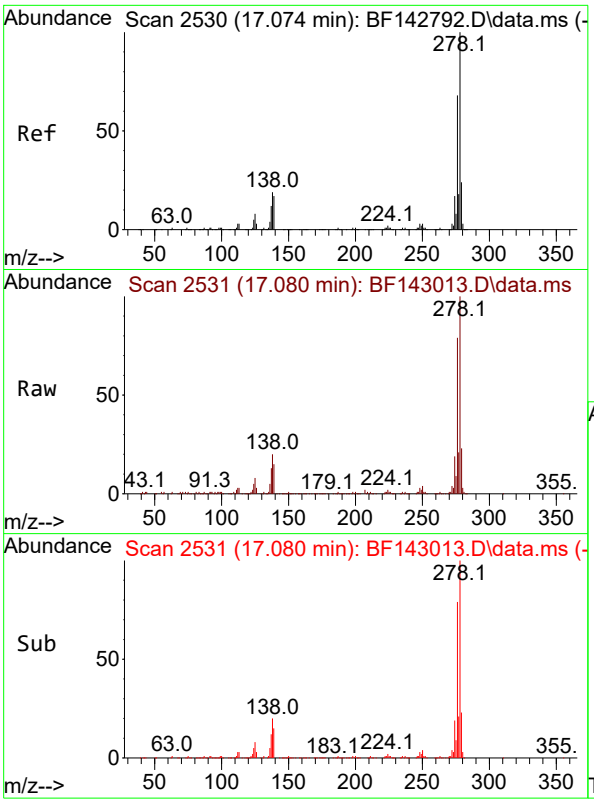




#90
Benzo(a)pyrene
Concen: 46.482 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:252 Resp: 331522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 10.1 | 8.6 | 12.8 |



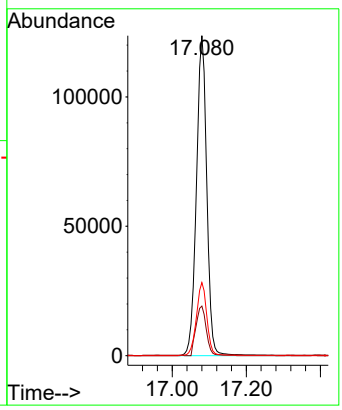


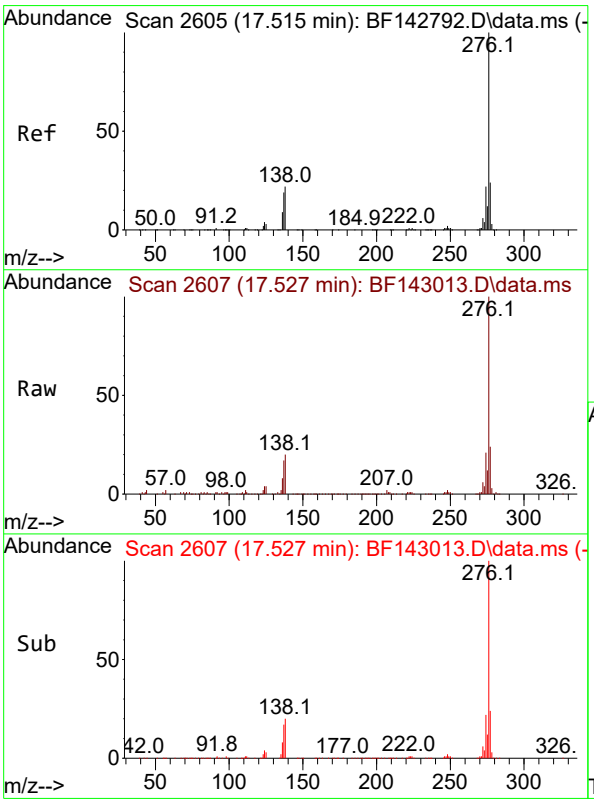

#91
Dibenzo(a,h)anthracene
Concen: 30.422 ng
RT: 17.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MS

Tgt Ion:278 Resp: 240217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.5 | 13.5 | 20.3 |
| 279 | 22.8 | 18.8 | 28.2 |

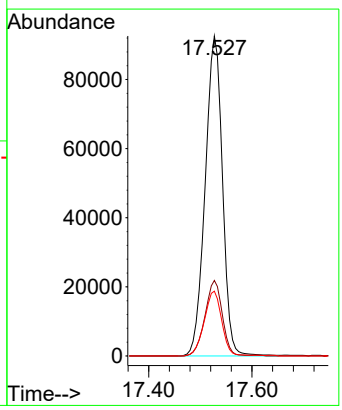



#92
Benzo(g,h,i)perylene
Concen: 27.380 ng
RT: 17.527 min Scan# 2607
Delta R.T. 0.012 min
Lab File: BF143013.D
Acq: 07 Jul 2025 17:19

Tgt Ion:276 Resp: 215581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 18.8 | 28.2 |
| 138 | 20.2 | 17.6 | 26.4 |



Raw Data: **BF143014.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/01/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/01/25 |
| Client Sample ID: | WC-1MSD | SDG No.: | Q2489 |
| Lab Sample ID: | Q2478-04MSD | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143014.D | 1 | 07/07/25 11:15 | 07/07/25 17:50 | PB168750 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 340 | | 12.8 | 50.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 380 | | 5.30 | 50.0 | ug/L |
| 95-48-7 | 2-Methylphenol | 400 | | 11.2 | 50.0 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 410 | | 11.0 | 100 | ug/L |
| 67-72-1 | Hexachloroethane | 380 | | 6.50 | 50.0 | ug/L |
| 98-95-3 | Nitrobenzene | 410 | | 7.60 | 50.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 410 | | 5.40 | 50.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 430 | | 5.10 | 50.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 420 | | 6.20 | 50.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 440 | | 12.2 | 50.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | 460 | | 5.20 | 50.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 770 | | 15.8 | 100 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 111 | | 23 - 138 | 74% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 105 | | 10 - 134 | 70% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 76.9 | | 67 - 132 | 77% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 79.0 | | 52 - 132 | 79% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 120 | | 44 - 137 | 80% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 66.4 | | 42 - 152 | 66% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 66000 | 6.875 | | | |
| 1146-65-2 | Naphthalene-d8 | 248000 | 8.157 | | | |
| 15067-26-2 | Acenaphthene-d10 | 125000 | 9.916 | | | |
| 1517-22-2 | Phenanthrene-d10 | 186000 | 11.404 | | | |
| 1719-03-5 | Chrysene-d12 | 133000 | 14.057 | | | |
| 1520-96-3 | Perylene-d12 | 132000 | 15.545 | | | |

Raw Data: **BF143014.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Walsh Construction Company II, LLC | Date Collected: | 07/01/25 |
| Project: | Construction of Shafts 17B-18B - PN 220084 | Date Received: | 07/01/25 |
| Client Sample ID: | WC-1MSD | SDG No.: | Q2489 |
| Lab Sample ID: | Q2478-04MSD | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143014.D | 1 | 07/07/25 11:15 | 07/07/25 17:50 | PB168750 |

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

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

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

Sample Results: **BF143014.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143014.D
Acq On : 07 Jul 2025 17:50
Operator : RC/JU
Sample : Q2478-04MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Quant Time: Jul 07 18:15:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 66005 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 248256 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 125034 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 185988 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.057 | 240 | 133052 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 132424 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.516 | 112 | 439824 | 110.942 | ng | 0.02 |
| 7) Phenol-d6 | 6.516 | 99 | 490948 | 104.965 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.440 | 82 | 347943 | 76.876 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 154205 | 119.847 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.234 | 172 | 752059 | 79.015 | ng | -0.01 |
| 79) Terphenyl-d14 | 12.992 | 244 | 639112 | 66.370 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.810 | 88 | 50019 | 31.544 | ng | # 82 |
| 3) Pyridine | 3.540 | 79 | 135993 | 34.210 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.475 | 42 | 77515 | 37.708 | ng | 99 |
| 6) Aniline | 6.540 | 93 | 88030 | 14.145 | ng | # 52 |
| 8) 2-Chlorophenol | 6.663 | 128 | 170145 | 39.786 | ng | 99 |
| 9) Benzaldehyde | 6.428 | 77 | 67697 | 24.396 | ng | 99 |
| 10) Phenol | 6.528 | 94 | 177804 | 34.199 | ng | 93 |
| 11) bis(2-Chloroethyl)ether | 6.610 | 93 | 148669 | 40.009 | ng | 97 |
| 12) 1,3-Dichlorobenzene | 6.816 | 146 | 183643 | 38.397 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.893 | 146 | 183601 | 38.049 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.045 | 146 | 174390 | 38.102 | ng | 98 |
| 15) Benzyl Alcohol | 7.022 | 79 | 141861 | 41.954 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145 | 45 | 224438 | 37.594 | ng | 68 |
| 17) 2-Methylphenol | 7.134 | 107 | 129474 | 39.951 | ng | 97 |
| 18) Hexachloroethane | 7.387 | 117 | 63363 | 37.542 | ng | 94 |
| 19) n-Nitroso-di-n-propyla... | 7.287 | 70 | 115731 | 42.543 | ng | 98 |
| 20) 3+4-Methylphenols | 7.287 | 107 | 166728 | 41.262 | ng | # 88 |
| 22) Acetophenone | 7.287 | 105 | 234427 | 42.822 | ng | 99 |
| 24) Nitrobenzene | 7.463 | 77 | 167596 | 40.912 | ng | 96 |
| 25) Isophorone | 7.698 | 82 | 307394 | 42.338 | ng | 100 |
| 26) 2-Nitrophenol | 7.775 | 139 | 94974 | 42.560 | ng | 100 |
| 27) 2,4-Dimethylphenol | 7.816 | 122 | 153596 | 39.736 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93 | 199380 | 43.195 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.022 | 162 | 147859 | 42.187 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.098 | 180 | 155672 | 40.393 | ng | 100 |
| 31) Naphthalene | 8.181 | 128 | 497068 | 40.905 | ng | 99 |
| 32) Benzoic acid | 7.928 | 122 | 49604 | 25.178 | ng | 97 |
| 33) 4-Chloroaniline | 8.234 | 127 | 42602 | 8.622 | ng | 97 |
| 34) Hexachlorobutadiene | 8.292 | 225 | 97646 | 41.421 | ng | 100 |
| 35) Caprolactam | 8.604 | 113 | 38990 | 42.158 | ng | 99 |
| 36) 4-Chloro-3-methylphenol | 8.722 | 107 | 145313 | 41.718 | ng | 98 |
| 37) 2-Methylnaphthalene | 8.875 | 142 | 314708 | 41.774 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.975 | 142 | 323591 | 41.493 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.039 | 216 | 162957 | 44.170 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 67727 | 32.349 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 9.157 | 196 | 102875 | 42.792 | ng | 100 |

Quantitation Report (QT Reviewed)

Sample Results: **BF143014.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143014.D
Acq On : 07 Jul 2025 17:50
Operator : RC/JU
Sample : Q2478-04MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Quant Time: Jul 07 18:15:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.204 | 196 | 106934 | 42.255 ng | 99 |
| 46) 1,1'-Biphenyl | 9.339 | 154 | 433517 | 43.892 ng | 100 |
| 47) 2-Chloronaphthalene | 9.363 | 162 | 315058 | 42.507 ng | 100 |
| 48) 2-Nitroaniline | 9.463 | 65 | 91725 | 44.141 ng | 95 |
| 49) Acenaphthylene | 9.781 | 152 | 524028 | 42.947 ng | 100 |
| 50) Dimethylphthalate | 9.639 | 163 | 385105 | 47.582 ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.704 | 165 | 80732 | 45.421 ng | 98 |
| 52) Acenaphthene | 9.951 | 154 | 328841m | 44.172 ng | |
| 53) 3-Nitroaniline | 9.875 | 138 | 38740 | 19.796 ng | 98 |
| 54) 2,4-Dinitrophenol | 9.986 | 184 | 47320 | 53.170 ng | 99 |
| 55) Dibenzofuran | 10.122 | 168 | 451375 | 42.282 ng | 100 |
| 56) 4-Nitrophenol | 10.045 | 139 | 85879 | 64.102 ng | 99 |
| 57) 2,4-Dinitrotoluene | 10.110 | 165 | 103549 | 43.859 ng | 93 |
| 58) Fluorene | 10.469 | 166 | 355154 | 42.598 ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232 | 86221 | 42.267 ng | 94 |
| 60) Diethylphthalate | 10.333 | 149 | 382127 | 48.154 ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204 | 172481 | 43.354 ng | 99 |
| 62) 4-Nitroaniline | 10.486 | 138 | 69742 | 38.967 ng | 99 |
| 63) Azobenzene | 10.616 | 77 | 301114 | 42.455 ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198 | 36217 | 32.193 ng | 98 |
| 66) n-Nitrosodiphenylamine | 10.575 | 169 | 309585 | 48.028 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248 | 102968 | 48.645 ng | 95 |
| 68) Hexachlorobenzene | 11.016 | 284 | 108050 | 45.939 ng | 99 |
| 69) Atrazine | 11.104 | 200 | 95502 | 57.375 ng | 100 |
| 70) Pentachlorophenol | 11.216 | 266 | 90582 | 77.287 ng | 99 |
| 71) Phenanthrene | 11.433 | 178 | 446270 | 44.295 ng | 100 |
| 72) Anthracene | 11.486 | 178 | 458998 | 44.422 ng | 100 |
| 73) Carbazole | 11.639 | 167 | 408403 | 45.802 ng | 99 |
| 74) Di-n-butylphthalate | 11.963 | 149 | 537229 | 57.835 ng | 100 |
| 75) Fluoranthene | 12.622 | 202 | 431030 | 45.079 ng | 100 |
| 77) Benzidine | 12.745 | 184 | 94678 | 18.940 ng | 98 |
| 78) Pyrene | 12.851 | 202 | 432870 | 34.709 ng | 100 |
| 80) Butylbenzylphthalate | 13.463 | 149 | 187586 | 51.853 ng | 99 |
| 81) Benzo(a)anthracene | 14.045 | 228 | 398475 | 44.394 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.004 | 252 | 72213 | 24.804 ng | 97 |
| 83) Chrysene | 14.080 | 228 | 360135 | 44.965 ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149 | 268950 | 51.672 ng | 100 |
| 85) Di-n-octyl phthalate | 14.639 | 149 | 453357 | 46.192 ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.068 | 276 | 310021 | 30.736 ng | 98 |
| 88) Benzo(b)fluoranthene | 15.110 | 252 | 413841 | 54.008 ng | 100 |
| 89) Benzo(k)fluoranthene | 15.139 | 252 | 324007 | 45.196 ng | 100 |
| 90) Benzo(a)pyrene | 15.486 | 252 | 341043 | 46.070 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.080 | 278 | 258728 | 31.569 ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.527 | 276 | 232785 | 28.485 ng | 97 |

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

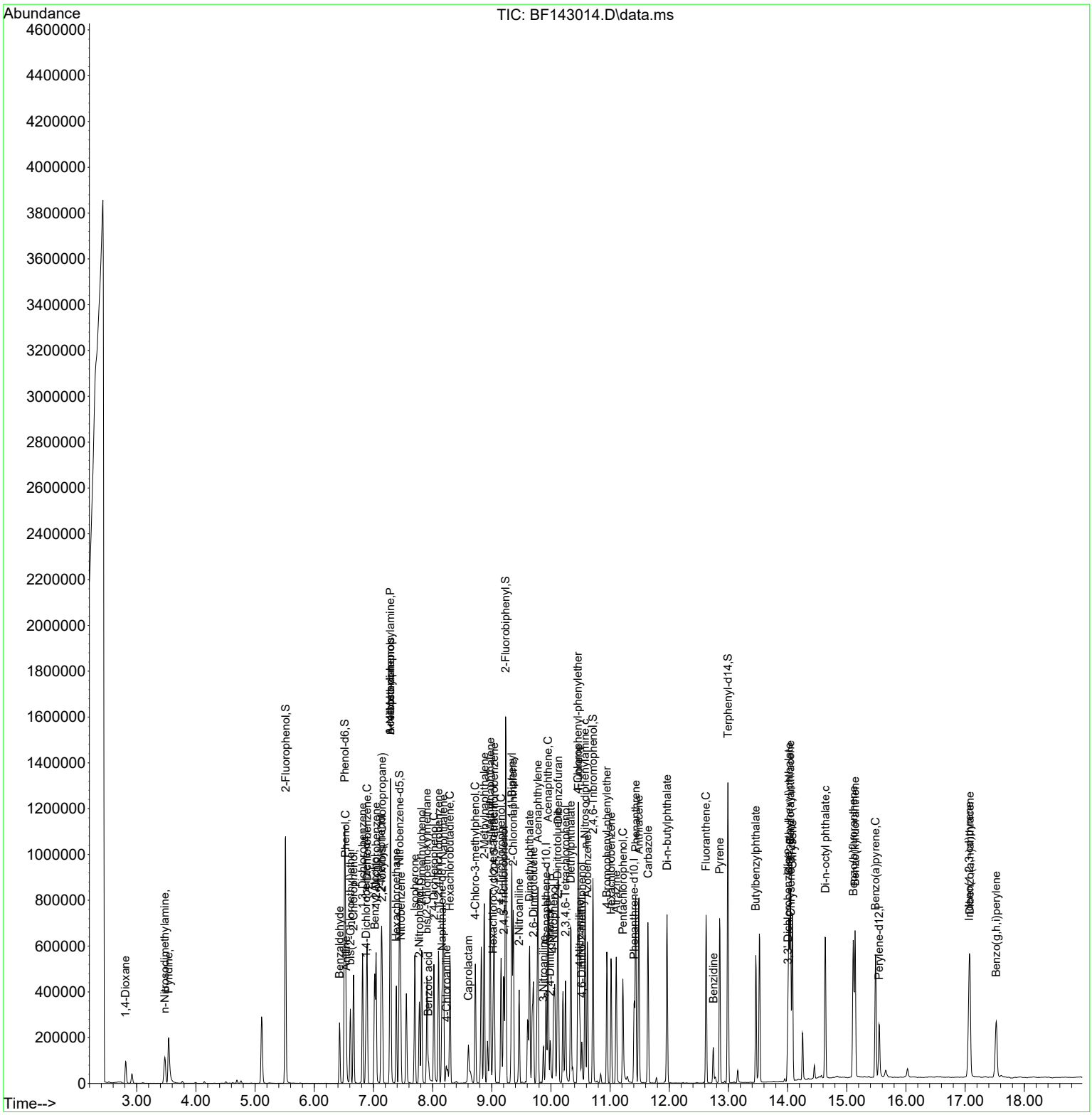
Quantitation Report (QT Reviewed)

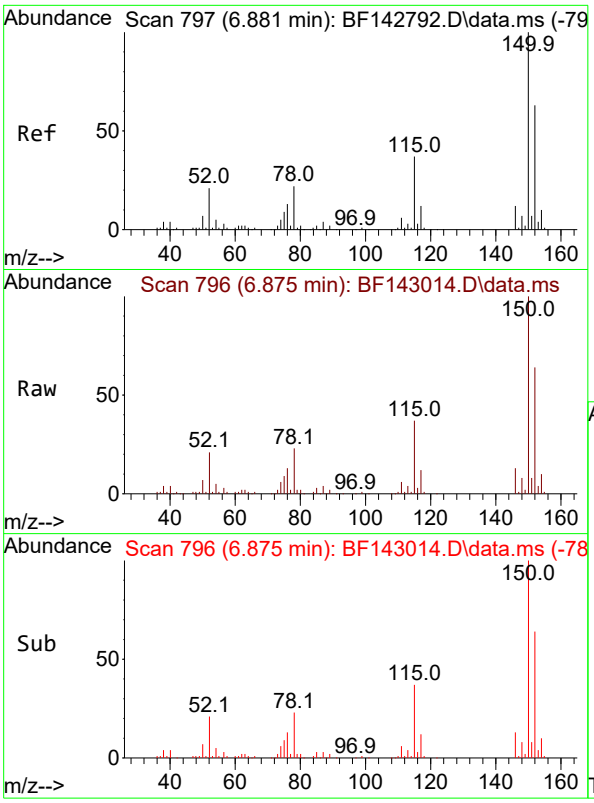
Sample Results: **BF143014.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143014.D
Acq On : 07 Jul 2025 17:50
Operator : RC/JU
Sample : Q2478-04MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Quant Time: Jul 07 18:15:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



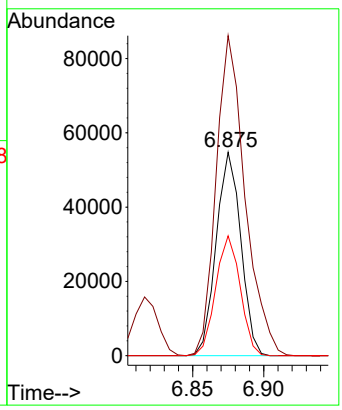


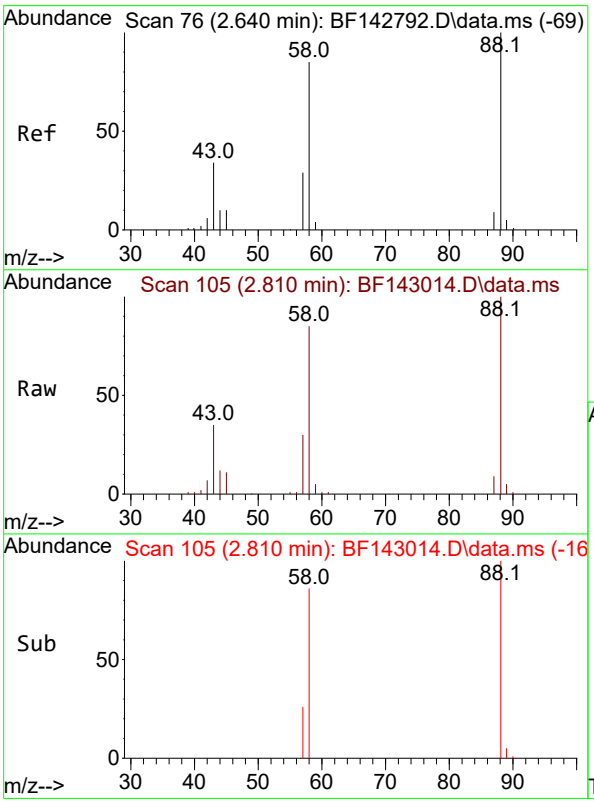

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:152 Resp: 66005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.3 | 127.2 | 190.8 |
| 115 | 58.9 | 46.6 | 69.8 |

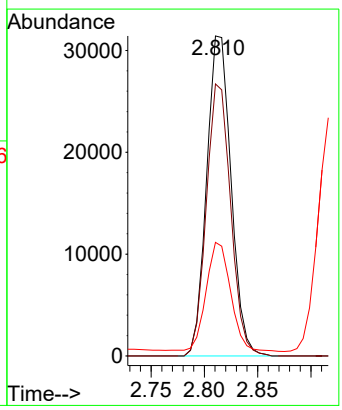


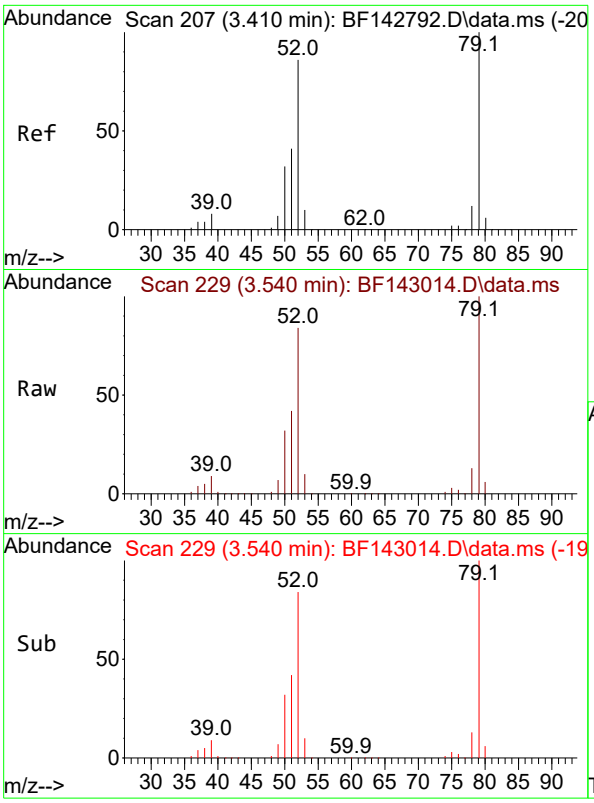




#2
1,4-Dioxane
Concen: 31.544 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.171 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion: 88 Resp: 50019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 85.0 | 69.1 | 103.7 |
| 43 | 0.0 | 27.4 | 41.2# |



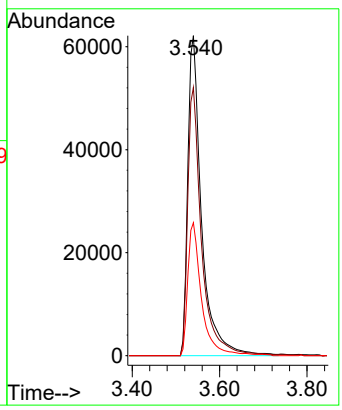


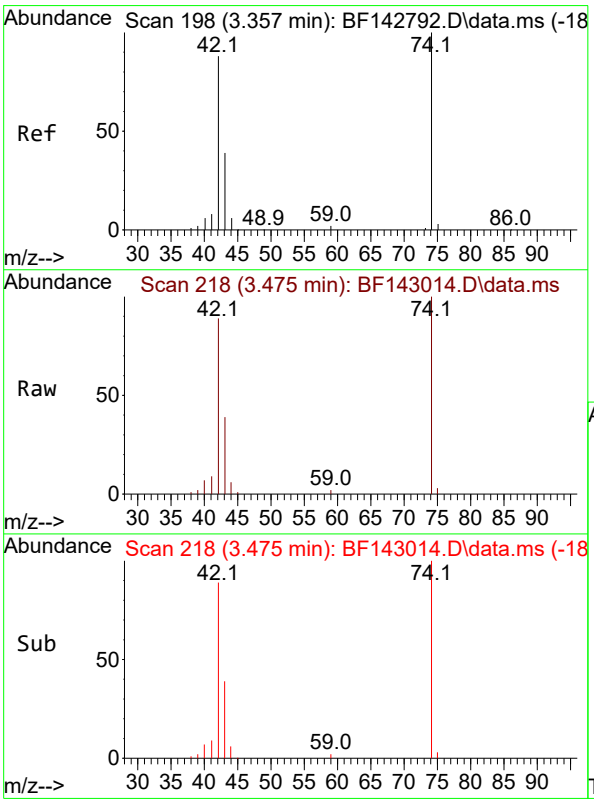

#3
Pyridine
Concen: 34.210 ng
RT: 3.540 min Scan# 2
Delta R.T. 0.130 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion: 79 Resp: 135993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 83.8 | 69.2 | 103.8 |
| 51 | 41.5 | 33.2 | 49.8 |

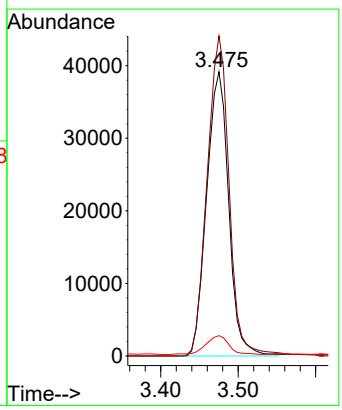


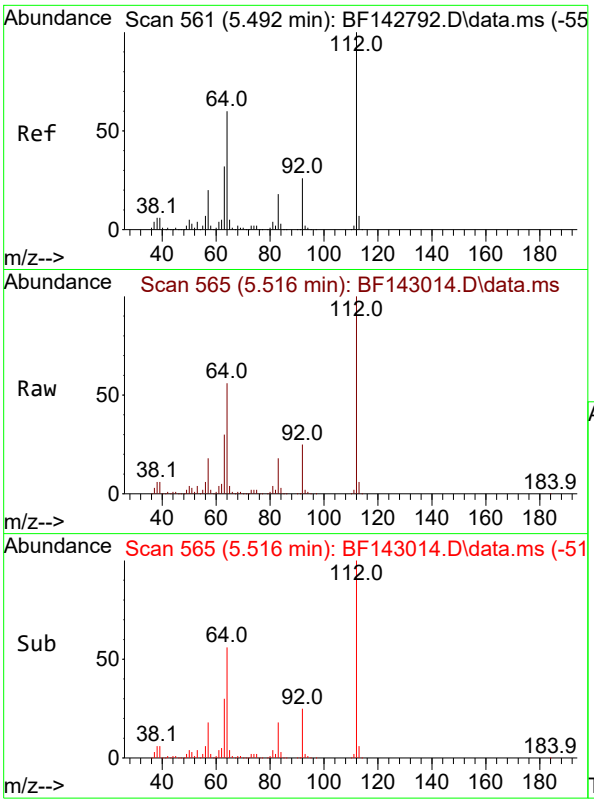




#4
n-Nitrosodimethylamine
Concen: 37.708 ng
RT: 3.475 min Scan# 218
Delta R.T. 0.118 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion: 42 Resp: 77515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 112.6 | 90.9 | 136.3 |
| 44 | 7.2 | 5.8 | 8.6 |



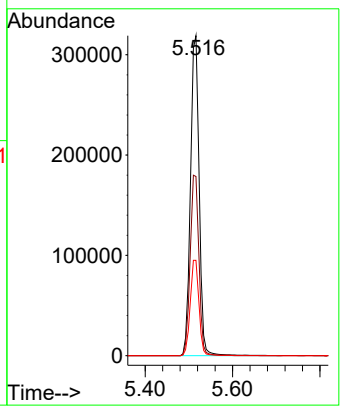


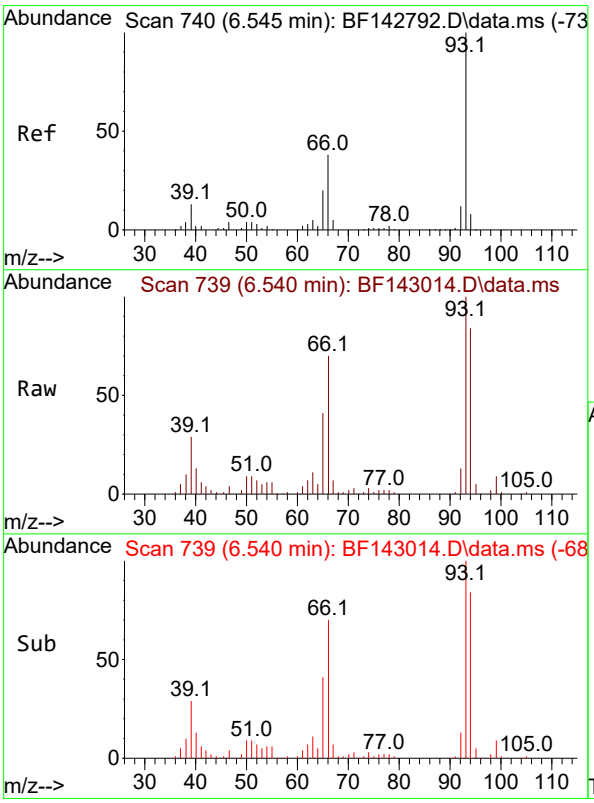

#5
2-Fluorophenol
Concen: 110.942 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.024 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:112 Resp: 439824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.0 | 48.2 | 72.2 |
| 63 | 29.8 | 25.7 | 38.5 |

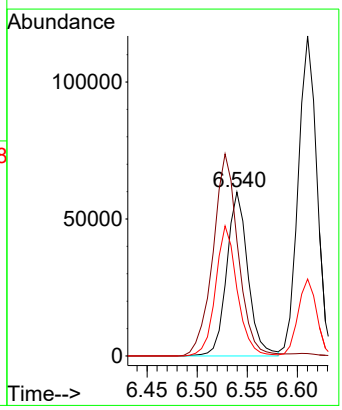


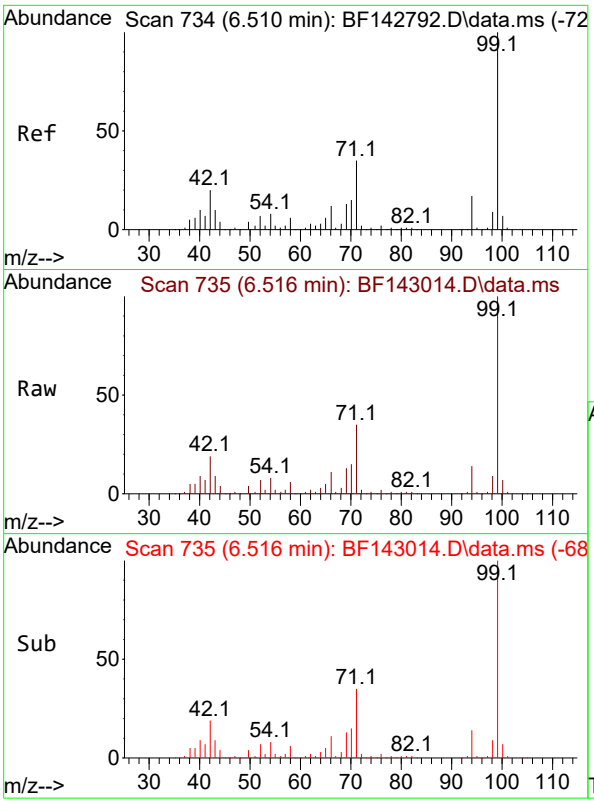




#6
Aniline
Concen: 14.145 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion: 93 Resp: 88030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 70.2 | 31.8 | 47.6# |
| 65 | 40.8 | 16.2 | 24.2# |



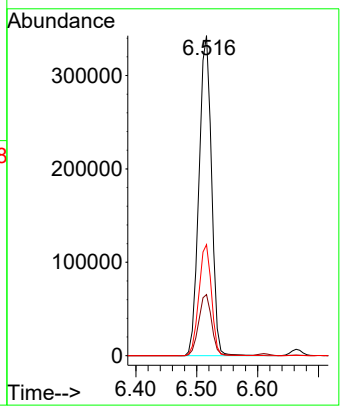


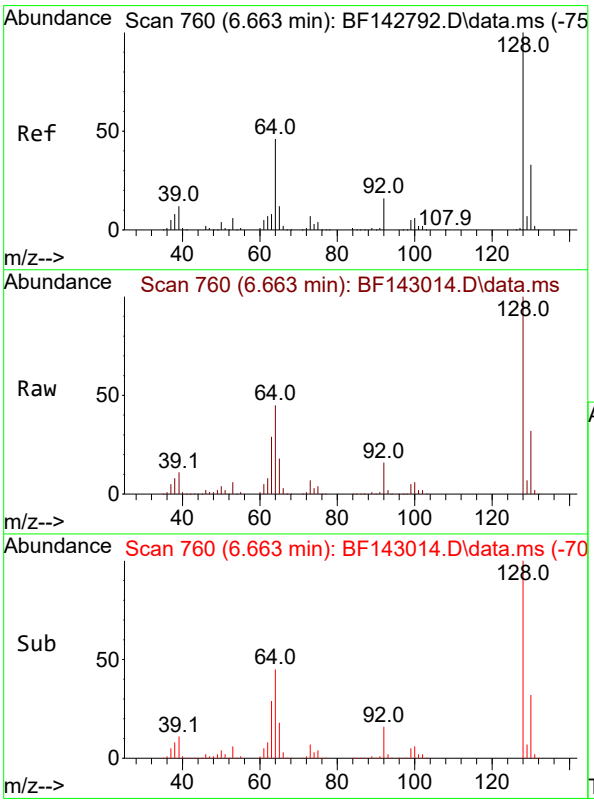

#7
Phenol-d6
Concen: 104.965 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion: 99 Resp: 490948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.1 | 15.9 | 23.9 |
| 71 | 34.7 | 27.8 | 41.8 |

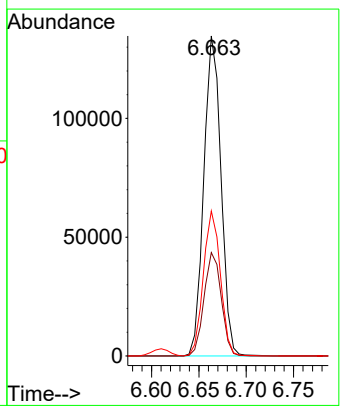


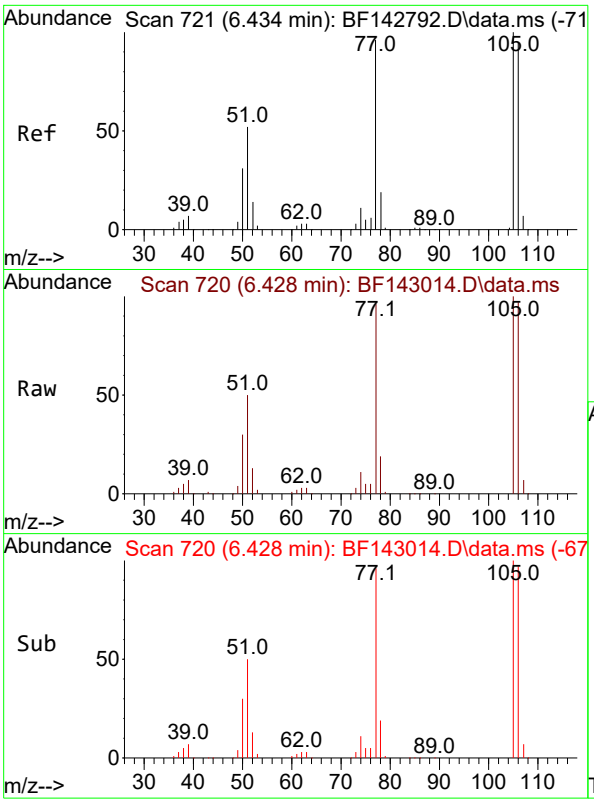




#8
2-Chlorophenol
Concen: 39.786 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:128 Resp: 170145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.3 | 12.7 | 52.7 |
| 64 | 45.3 | 26.5 | 66.5 |



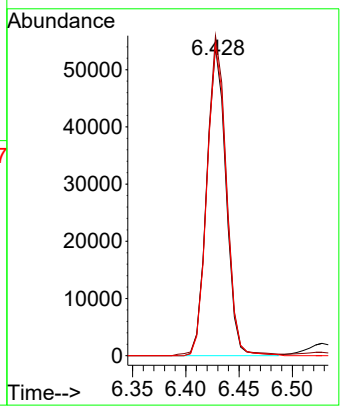


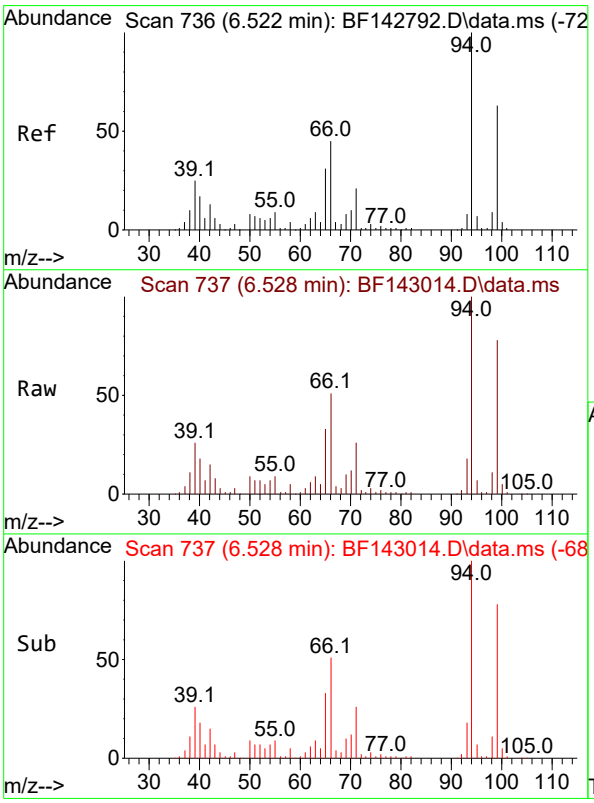

#9
Benzaldehyde
Concen: 24.396 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion: 77 Resp: 67697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 103.7 | 83.8 | 123.8 |
| 106 | 100.8 | 78.7 | 118.7 |

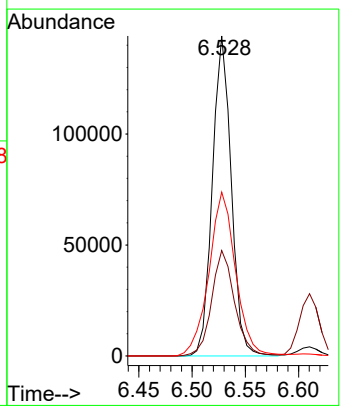


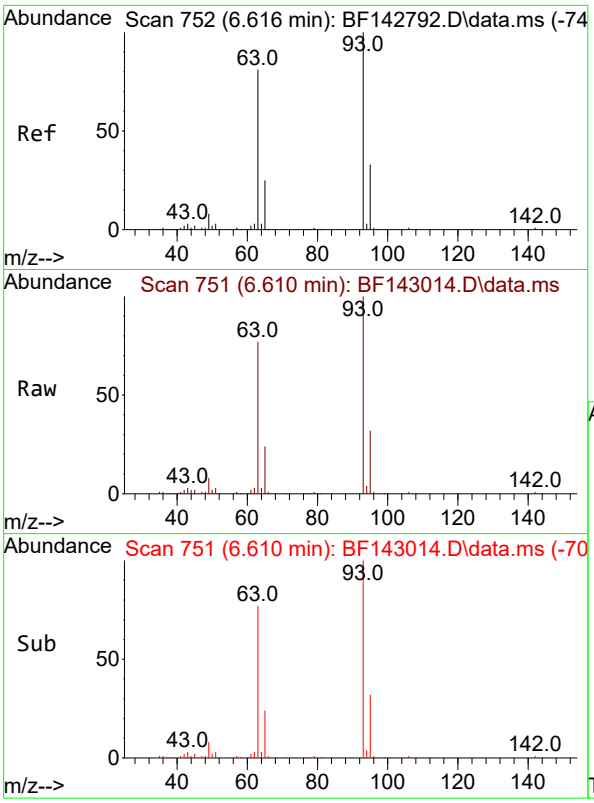




#10
Phenol
Concen: 34.199 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion: 94 Resp: 177804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 32.9 | 11.3 | 51.3 |
| 66 | 51.2 | 24.9 | 64.9 |



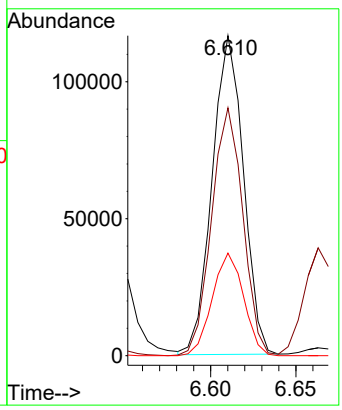


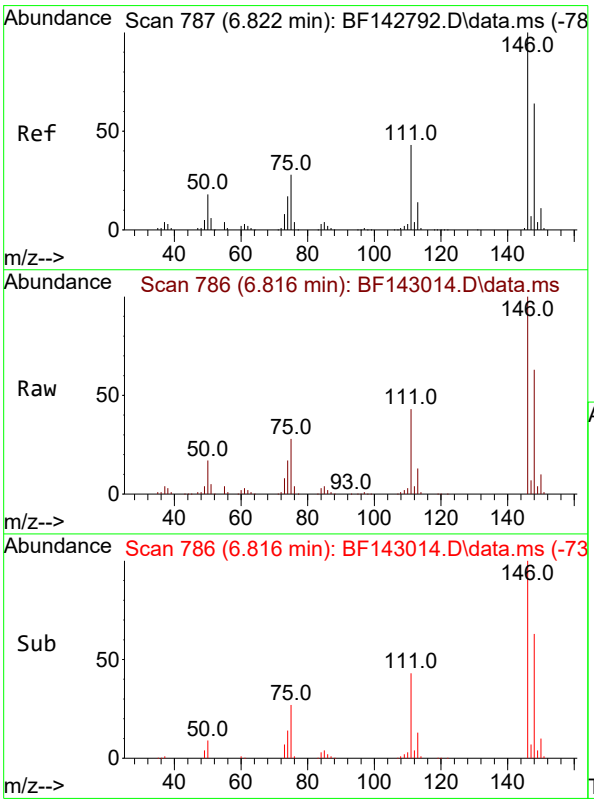

#11
bis(2-Chloroethyl)ether
Concen: 40.009 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion: 93 Resp: 148669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 77.5 | 60.3 | 100.3 |
| 95 | 32.1 | 12.5 | 52.5 |

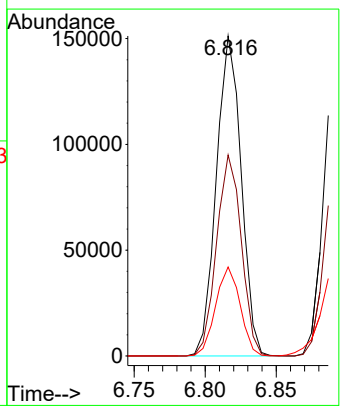


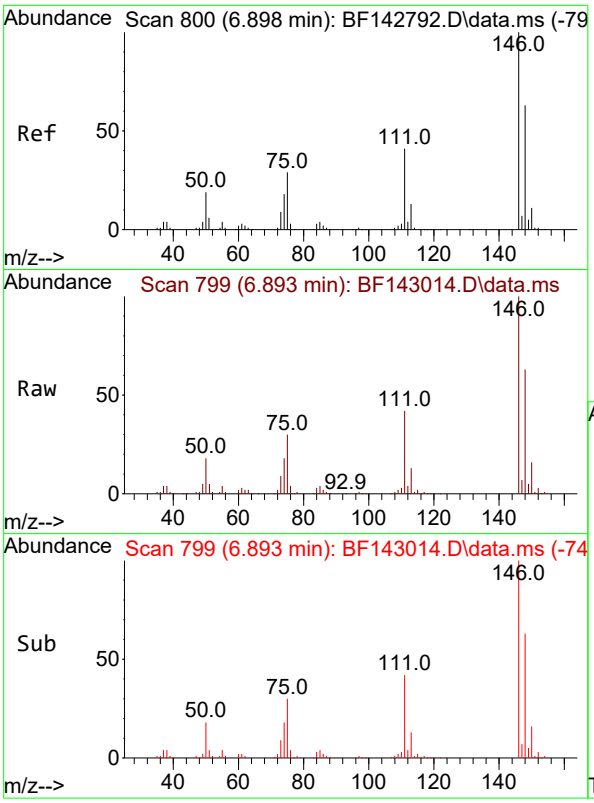




#12
1,3-Dichlorobenzene
Concen: 38.397 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:146 Resp: 183643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.8 | 51.1 | 76.7 |
| 75 | 27.8 | 22.7 | 34.1 |



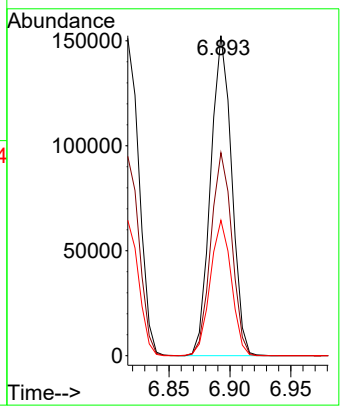


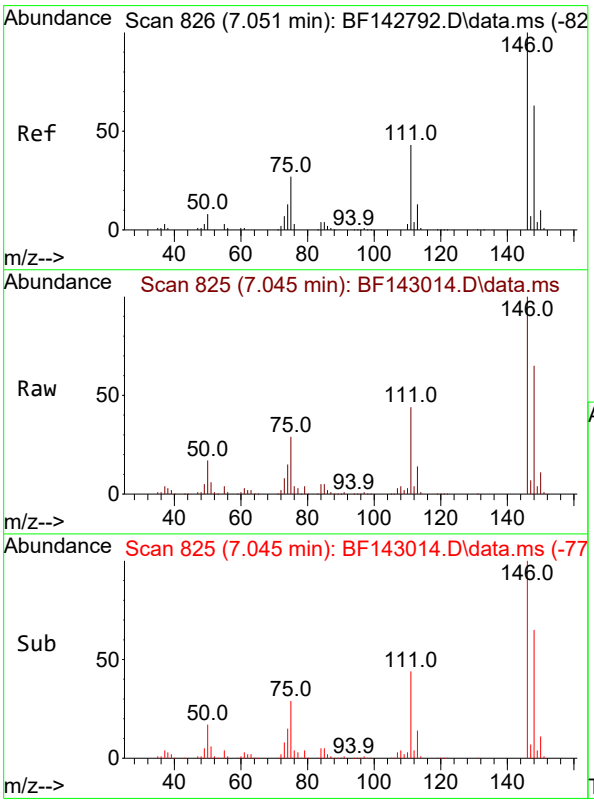

#13
1,4-Dichlorobenzene
Concen: 38.049 ng
RT: 6.893 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:146 Resp: 183601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.4 | 50.2 | 75.2 |
| 111 | 42.3 | 33.2 | 49.8 |

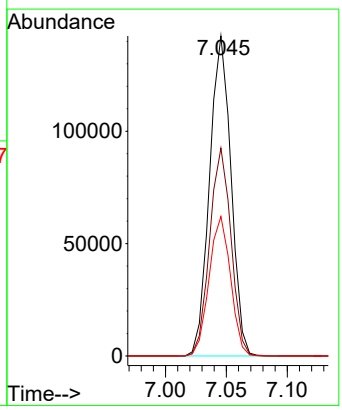


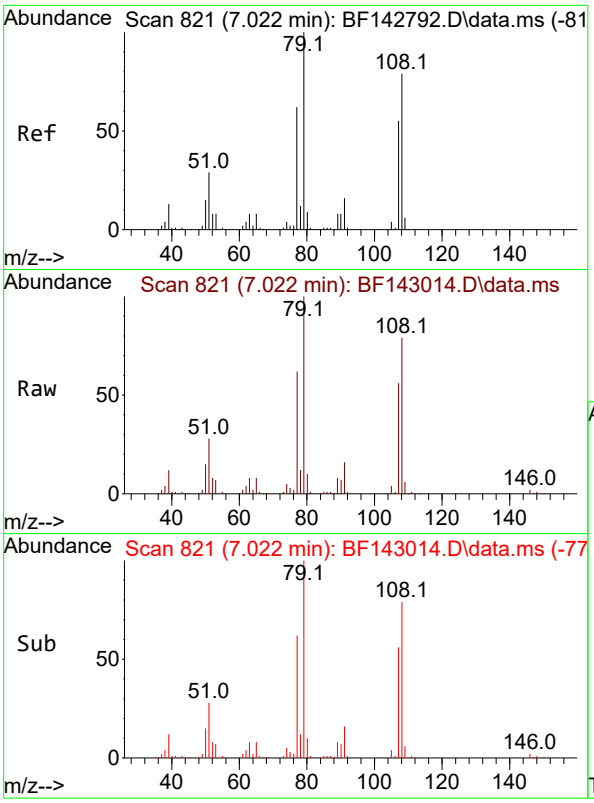




#14
1,2-Dichlorobenzene
Concen: 38.102 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:146 Resp: 174390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.9 | 50.4 | 75.6 |
| 111 | 43.6 | 34.1 | 51.1 |



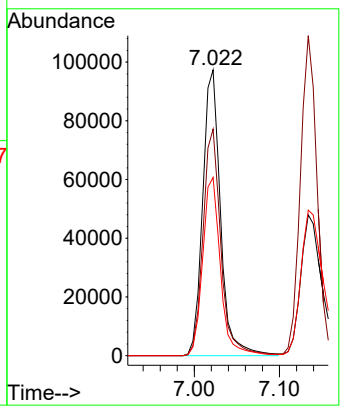


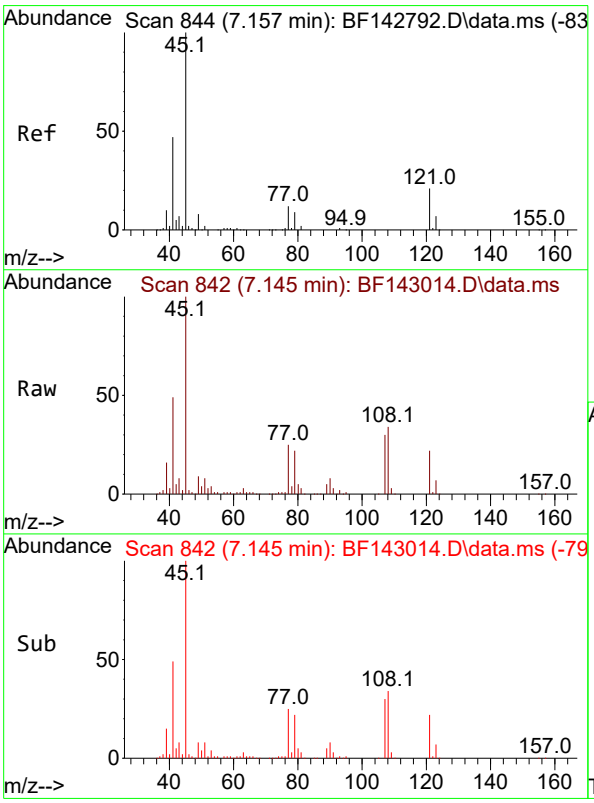

#15
Benzyl Alcohol
Concen: 41.954 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion: 79 Resp: 141861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 79.3 | 63.4 | 95.0 |
| 77 | 62.4 | 49.5 | 74.3 |

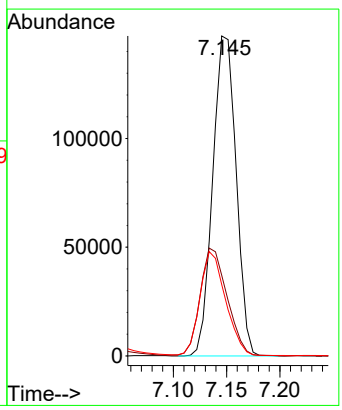


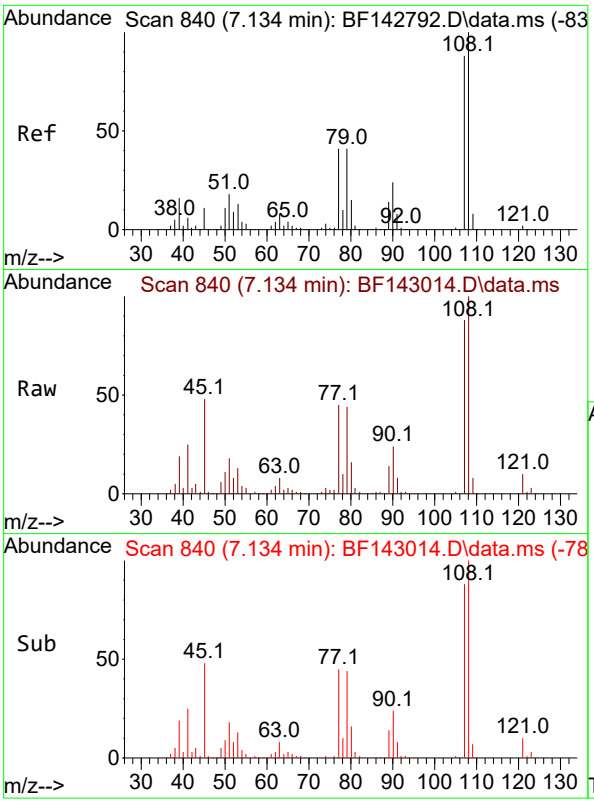




#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.594 ng
RT: 7.145 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion: 45 Resp: 224438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 25.2 | 0.0 | 32.8 |
| 79 | 22.3 | 0.0 | 29.8 |



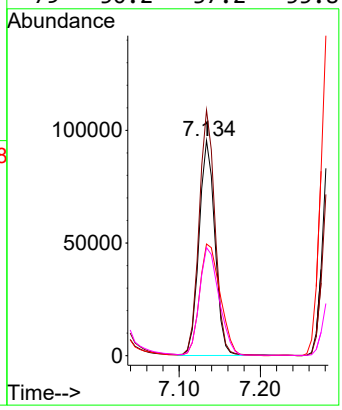


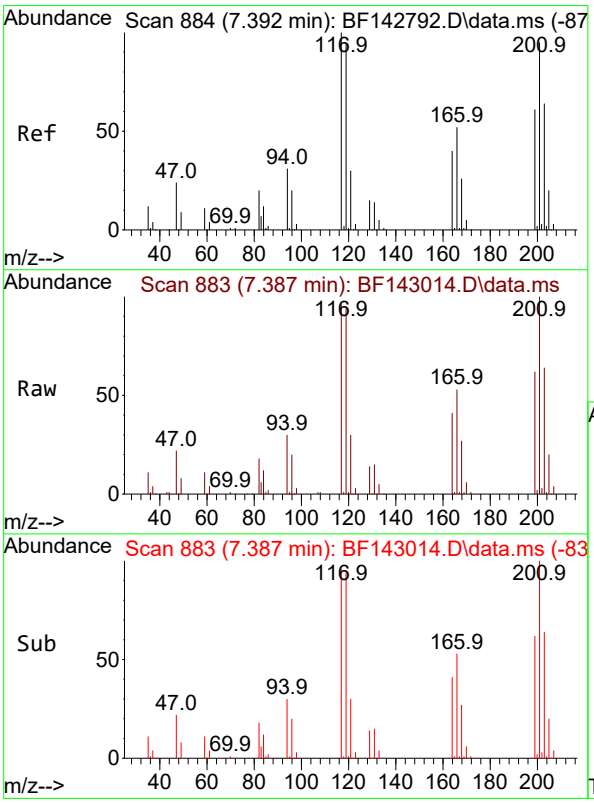

#17
2-Methylphenol
Concen: 39.951 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:107 Resp: 129474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.1 | 90.9 | 136.3 |
| 77 | 51.9 | 37.3 | 55.9 |
| 79 | 50.2 | 37.2 | 55.8 |

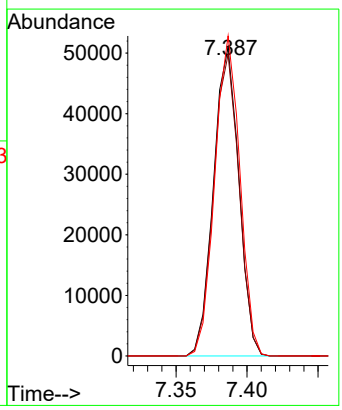


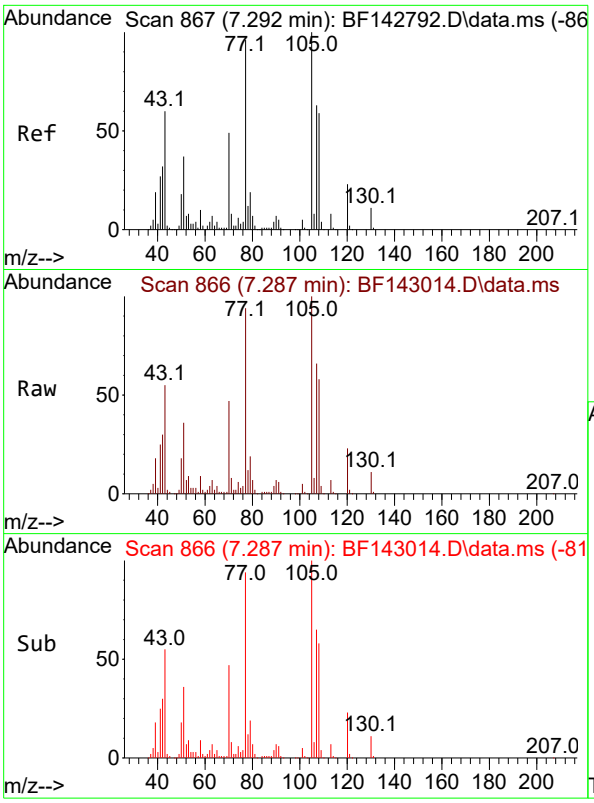




#18
Hexachloroethane
Concen: 37.542 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:117 Resp: 63363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.7 | 75.4 | 113.0 |
| 201 | 103.7 | 75.9 | 113.9 |



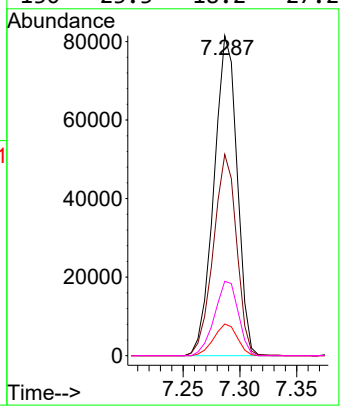


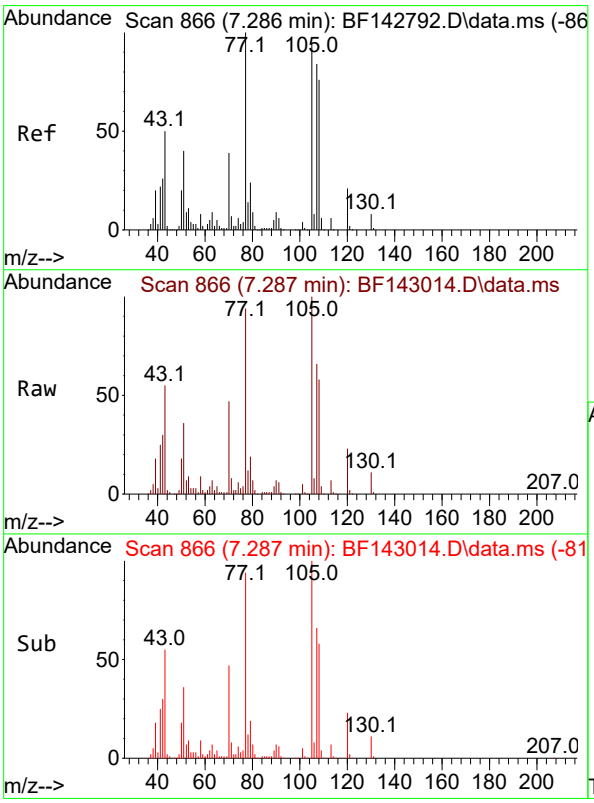

#19
n-Nitroso-di-n-propylamine
Concen: 42.543 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion: 70 Resp: 115731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 62.9 | 52.1 | 78.1 |
| 101 | 9.9 | 8.2 | 12.2 |
| 130 | 23.3 | 18.2 | 27.2 |

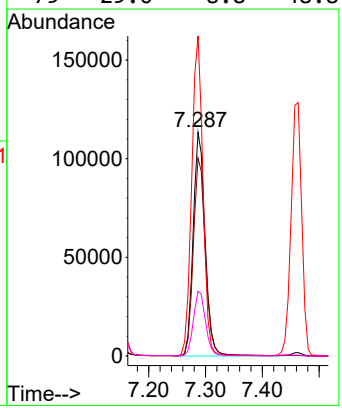


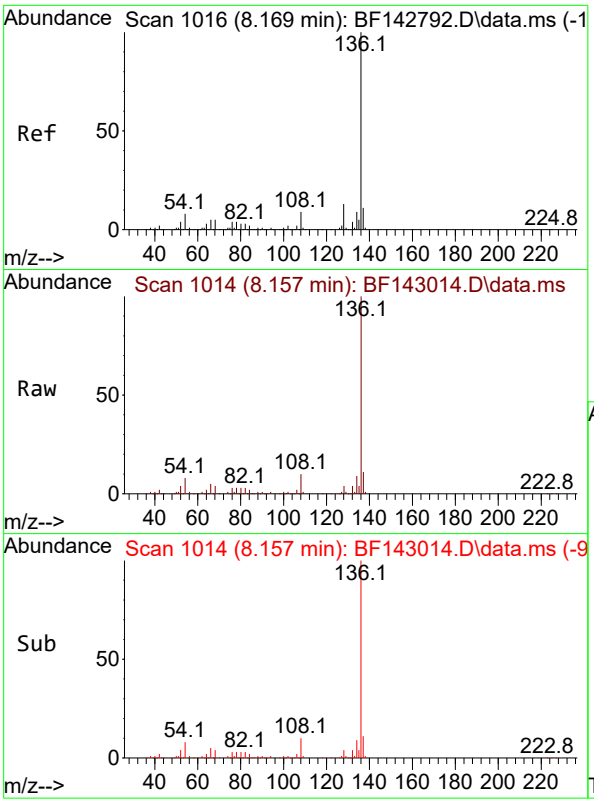




#20
3+4-Methylphenols
Concen: 41.262 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:107 Resp: 166728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.5 | 70.0 | 110.0 |
| 77 | 143.2 | 98.5 | 138.5# |
| 79 | 29.0 | 8.8 | 48.8 |



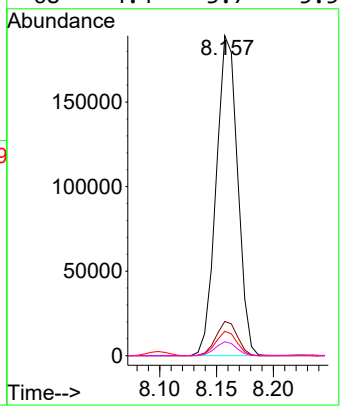


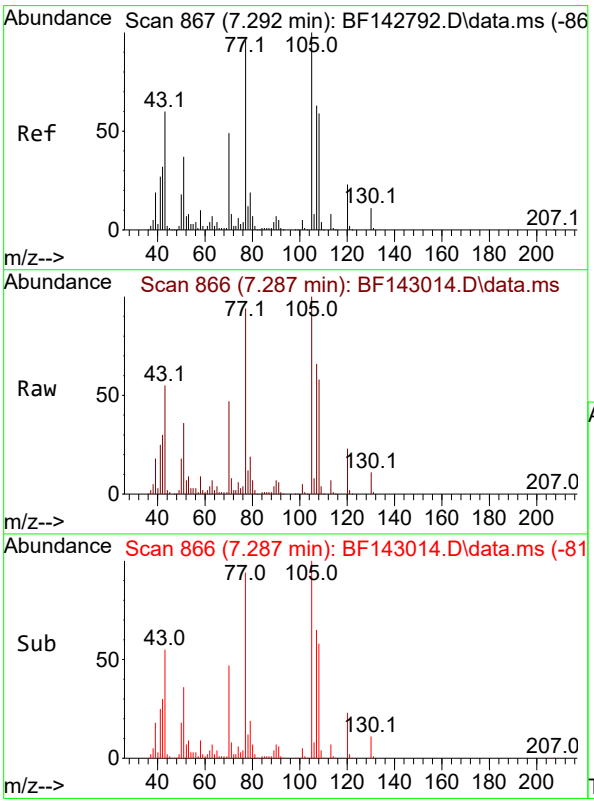

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:136 Resp: 248256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.4 | 12.6 |
| 54 | 7.6 | 6.3 | 9.5 |
| 68 | 4.4 | 3.7 | 5.5 |

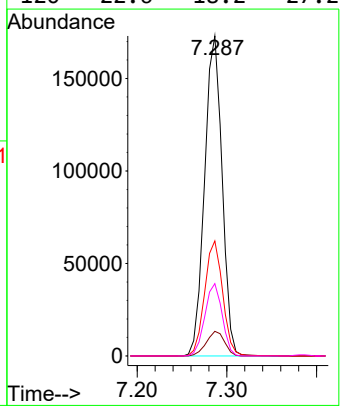


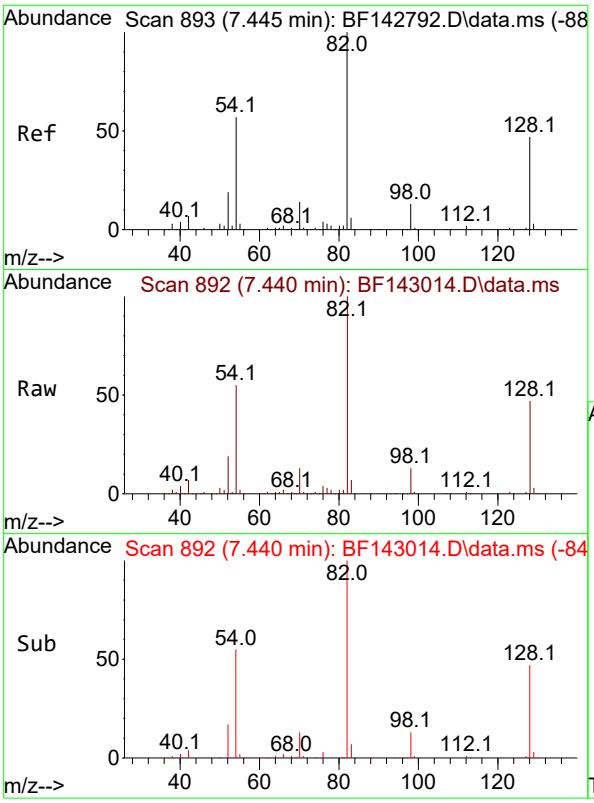




#22
Acetophenone
Concen: 42.822 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:105 Resp: 234427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.7 | 6.5 | 9.7 |
| 51 | 35.9 | 29.8 | 44.8 |
| 120 | 22.6 | 18.2 | 27.2 |



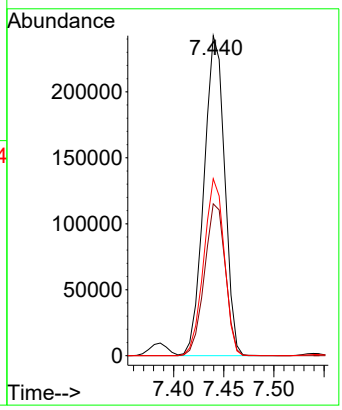


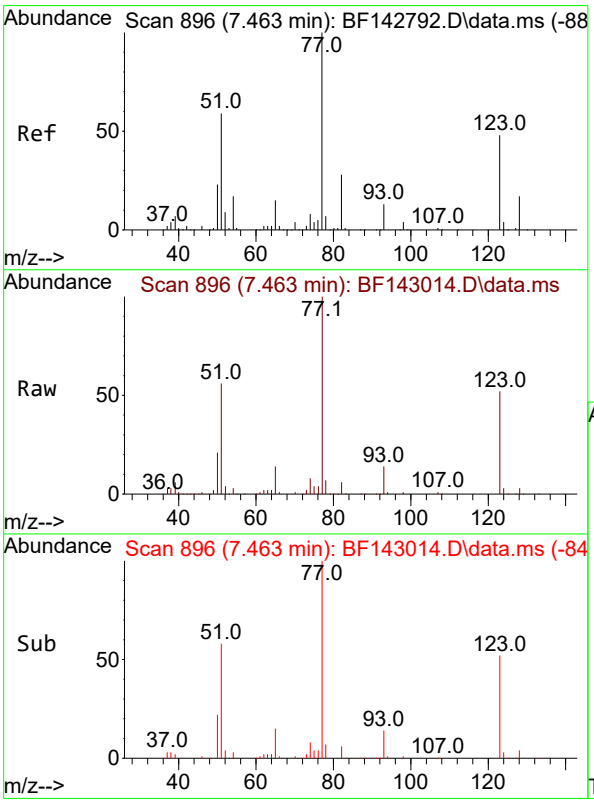

#23
Nitrobenzene-d5
Concen: 76.876 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion: 82 Resp: 347943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.4 | 37.7 | 56.5 |
| 54 | 55.3 | 45.7 | 68.5 |

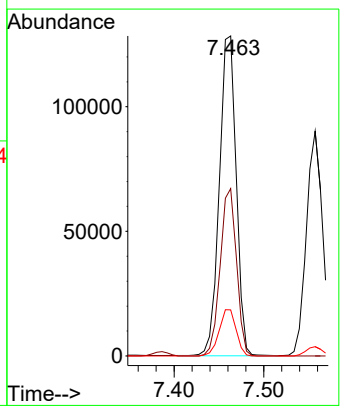


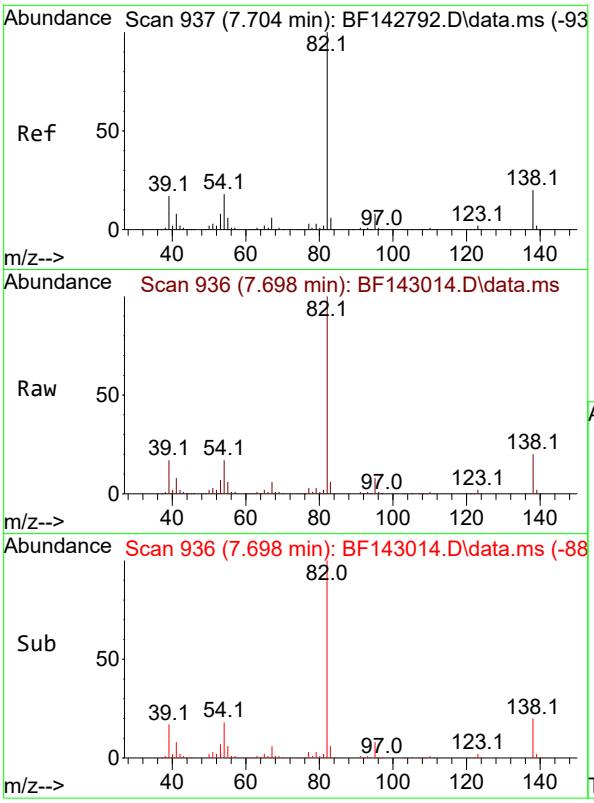




#24
Nitrobenzene
Concen: 40.912 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion: 77 Resp: 167596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 52.3 | 39.2 | 58.8 |
| 65 | 14.4 | 11.6 | 17.4 |



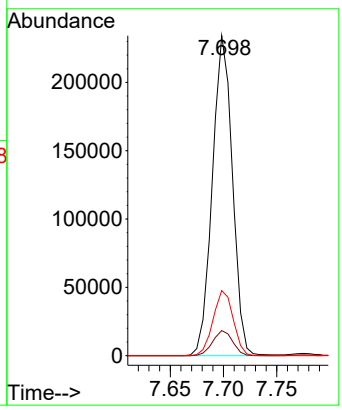


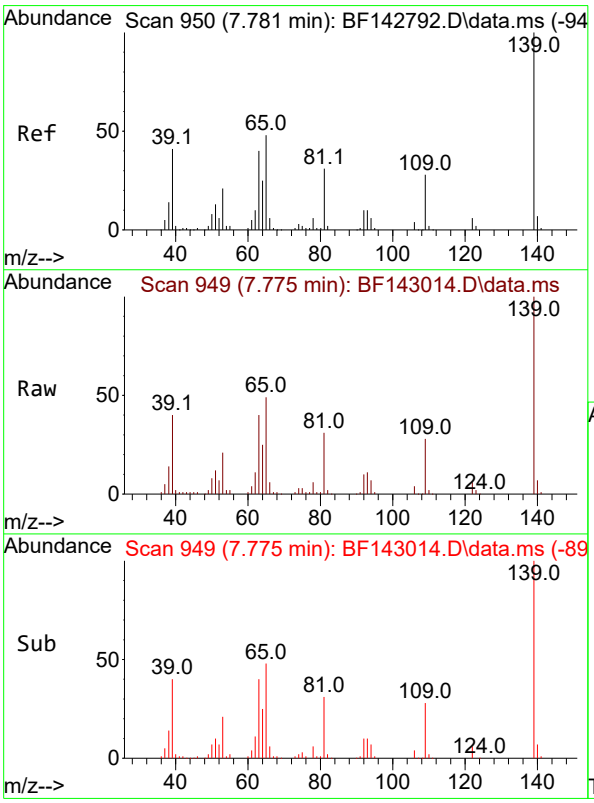

#25
Isophorone
Concen: 42.338 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion: 82 Resp: 307394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.9 | 6.2 | 9.2 |
| 138 | 20.4 | 16.2 | 24.4 |

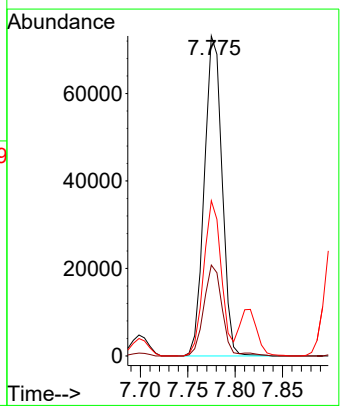


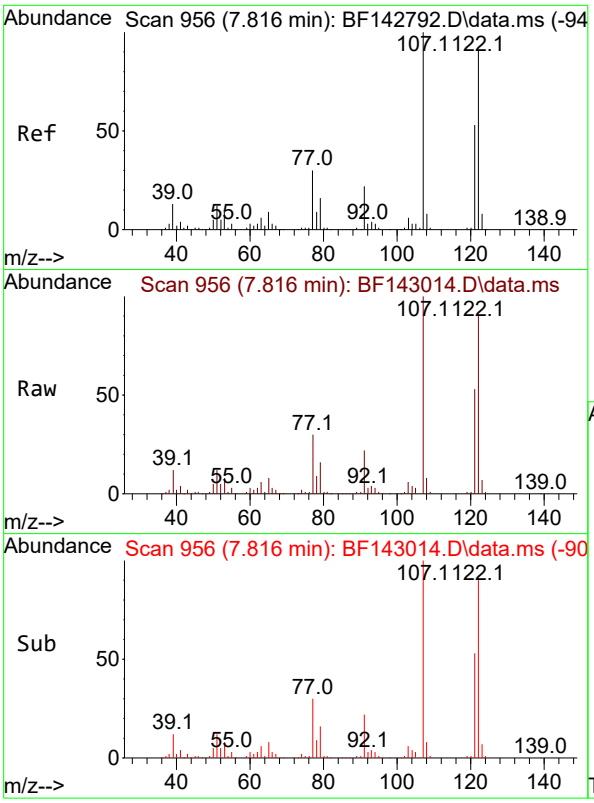




#26
2-Nitrophenol
Concen: 42.560 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:139 Resp: 94974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 28.4 | 22.7 | 34.1 |
| 65 | 48.5 | 38.6 | 58.0 |



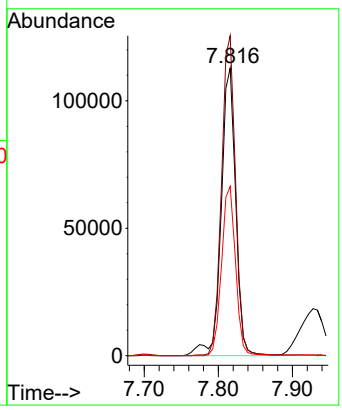


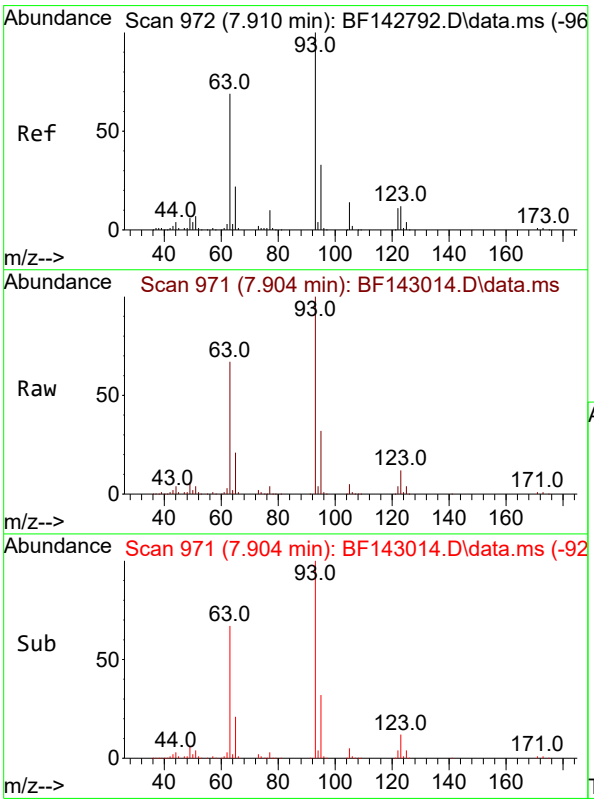

#27
2,4-Dimethylphenol
Concen: 39.736 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:122 Resp: 153596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 111.2 | 88.0 | 132.0 |
| 121 | 58.8 | 46.3 | 69.5 |

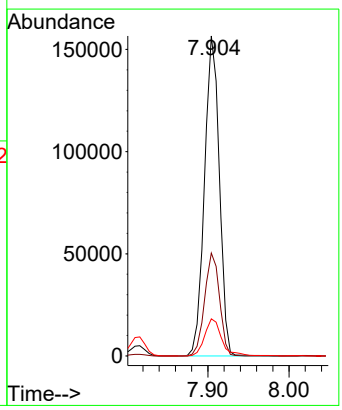


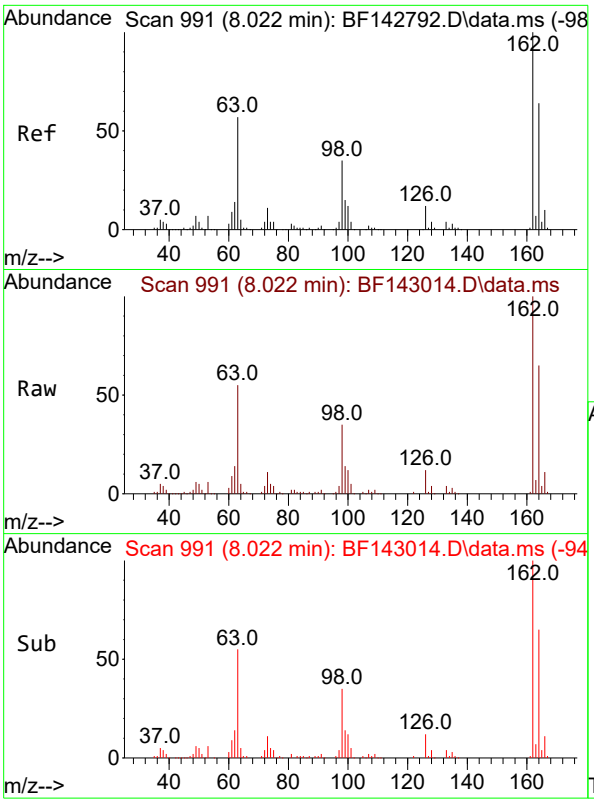




#28
bis(2-Chloroethoxy)methane
Concen: 43.195 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion: 93 Resp: 199380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.2 | 26.2 | 39.2 |
| 123 | 11.6 | 9.9 | 14.9 |



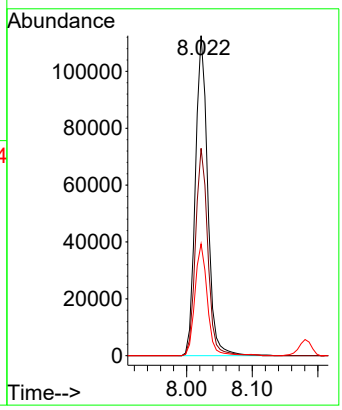


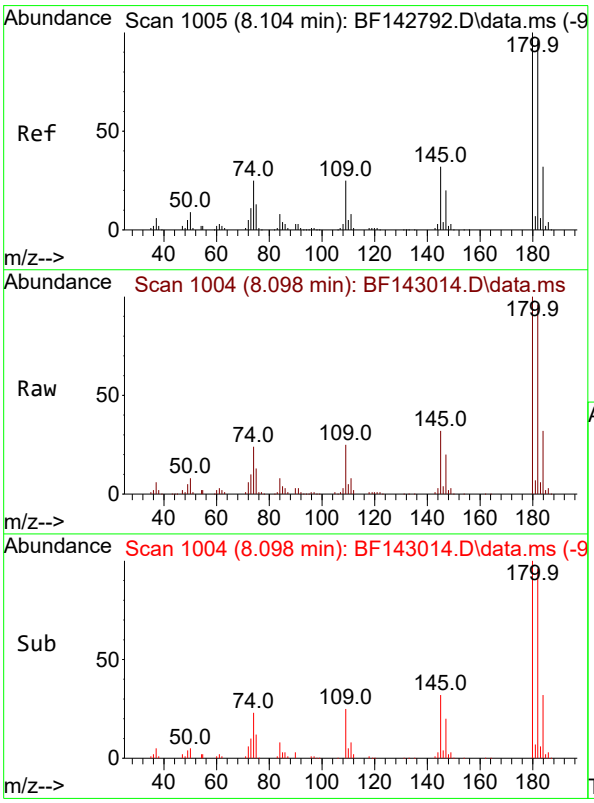

#29
2,4-Dichlorophenol
Concen: 42.187 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:162 Resp: 147859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.8 | 44.0 | 84.0 |
| 98 | 35.0 | 15.4 | 55.4 |

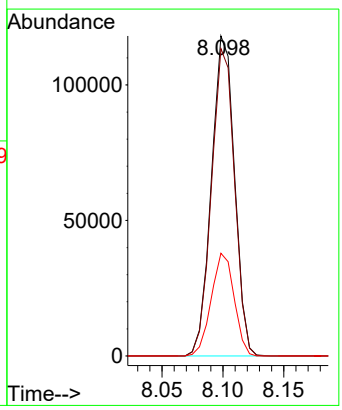


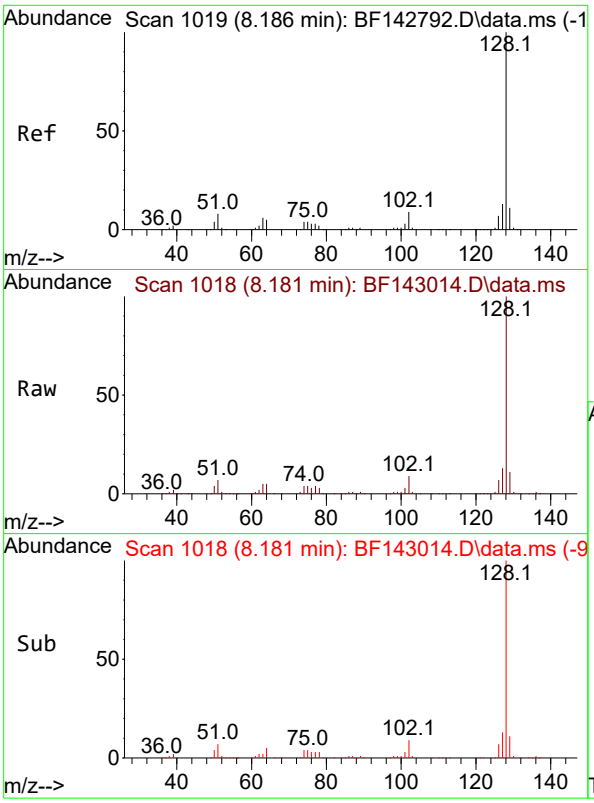




#30
1,2,4-Trichlorobenzene
Concen: 40.393 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:180 Resp: 155672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 76.4 | 114.6 |
| 145 | 32.1 | 25.8 | 38.8 |



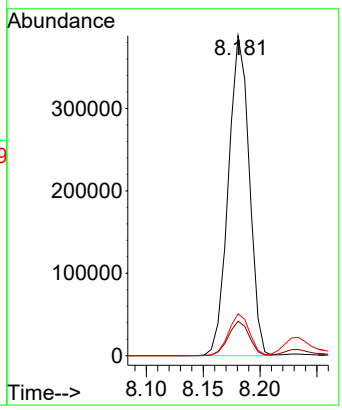


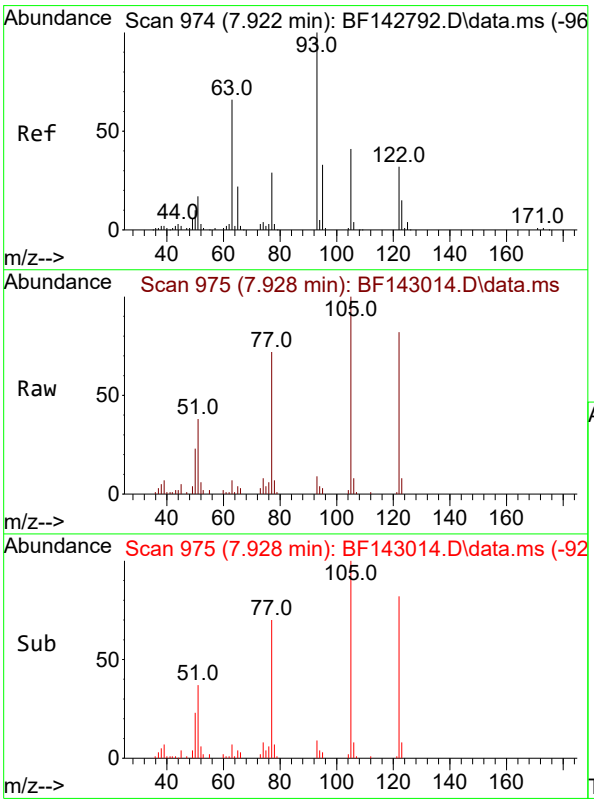

#31
Naphthalene
Concen: 40.905 ng
RT: 8.181 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:128 Resp: 497068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.9 | 13.3 |
| 127 | 13.1 | 10.4 | 15.6 |

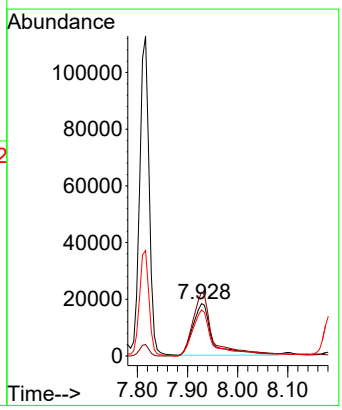


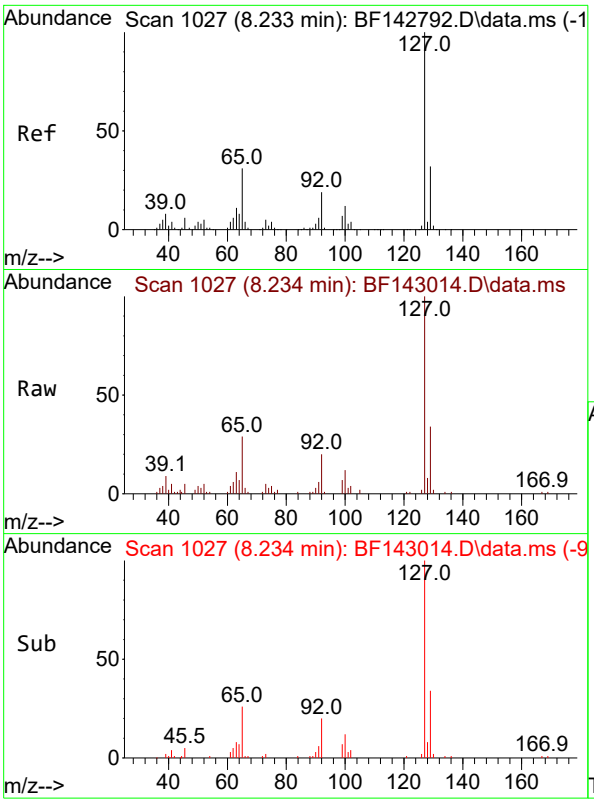




#32
Benzoic acid
Concen: 25.178 ng
RT: 7.928 min Scan# 975
Delta R.T. 0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:122 Resp: 49604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 121.6 | 104.7 | 144.7 |
| 77 | 88.0 | 70.2 | 110.2 |



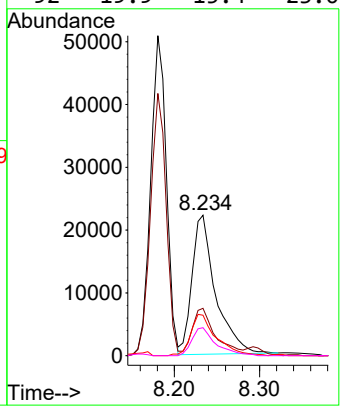


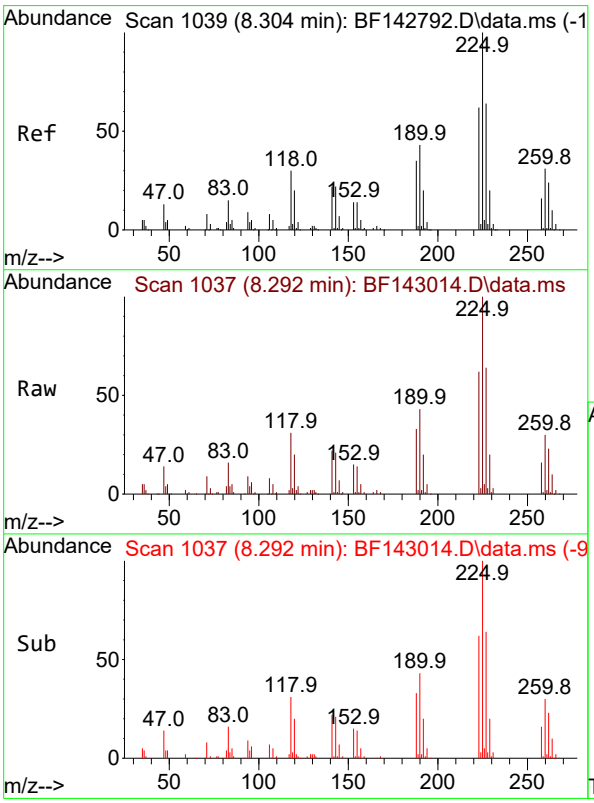

#33
4-Chloroaniline
Concen: 8.622 ng
RT: 8.234 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:127 Resp: 42602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 33.7 | 25.9 | 38.9 |
| 65 | 28.8 | 24.6 | 36.8 |
| 92 | 19.9 | 15.4 | 23.0 |

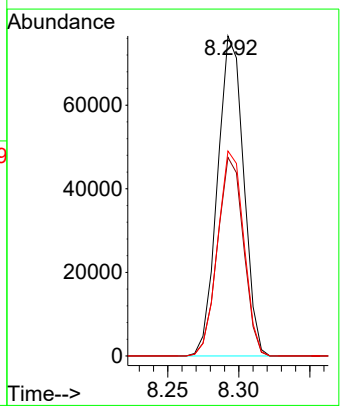


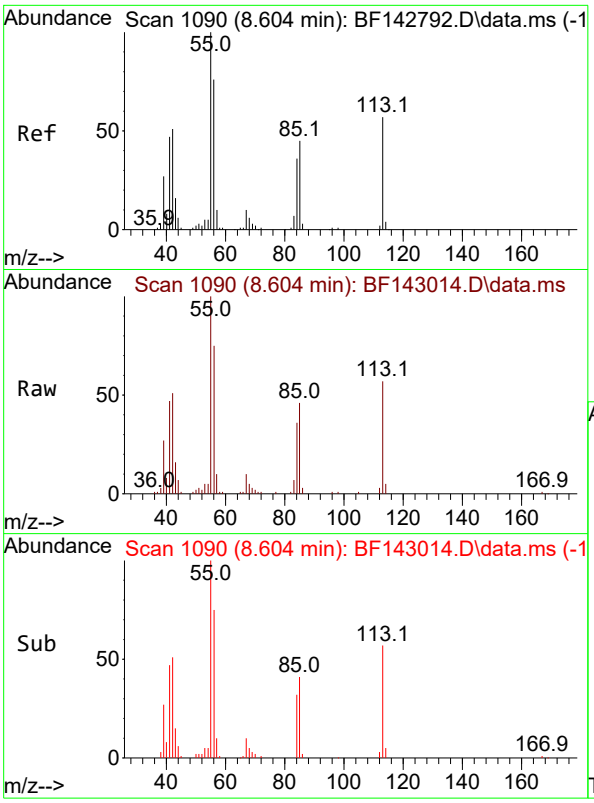




#34
Hexachlorobutadiene
Concen: 41.421 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.012 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:225 Resp: 97646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.0 | 49.9 | 74.9 |
| 227 | 64.1 | 51.4 | 77.0 |



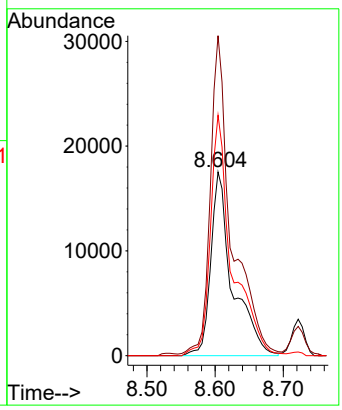


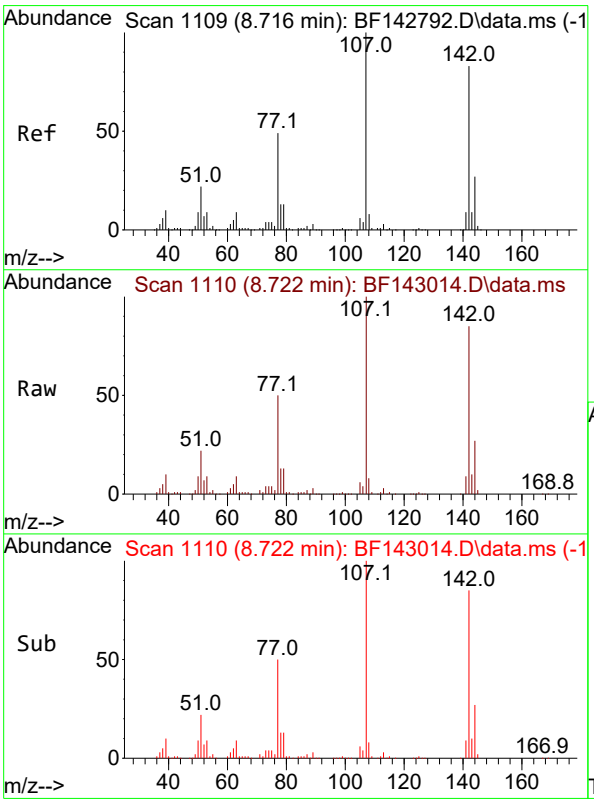

#35
Caprolactam
Concen: 42.158 ng
RT: 8.604 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:113 Resp: 38990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 174.2 | 154.4 | 194.4 |
| 56 | 130.9 | 112.1 | 152.1 |

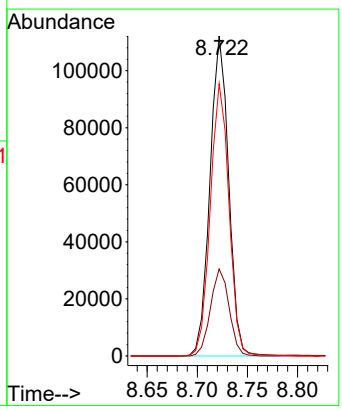


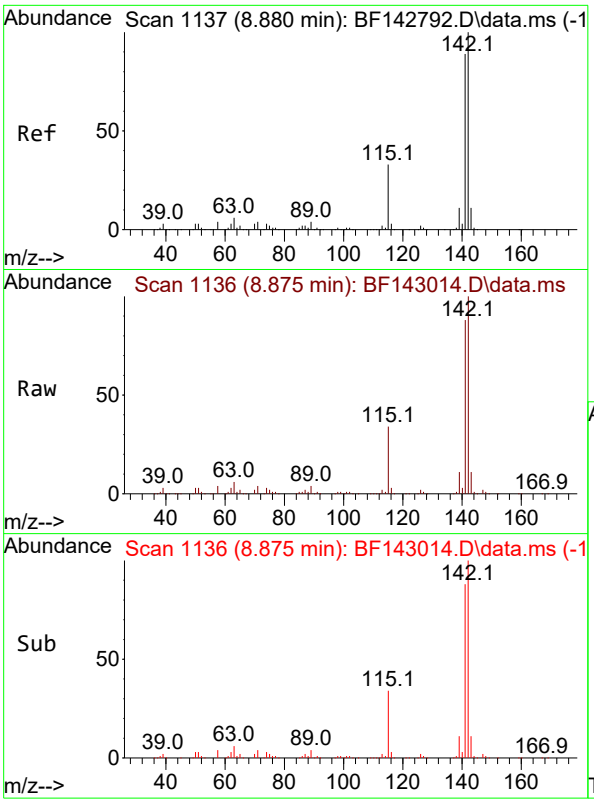




#36
4-Chloro-3-methylphenol
Concen: 41.718 ng
RT: 8.722 min Scan# 1110
Delta R.T. 0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:107 Resp: 145313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 27.2 | 21.3 | 31.9 |
| 142 | 85.0 | 66.6 | 100.0 |



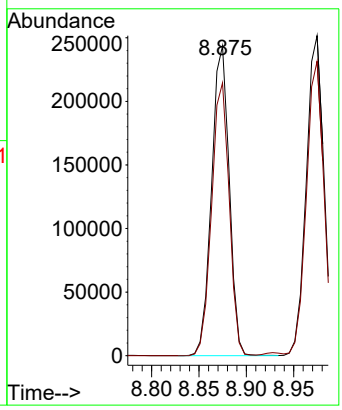


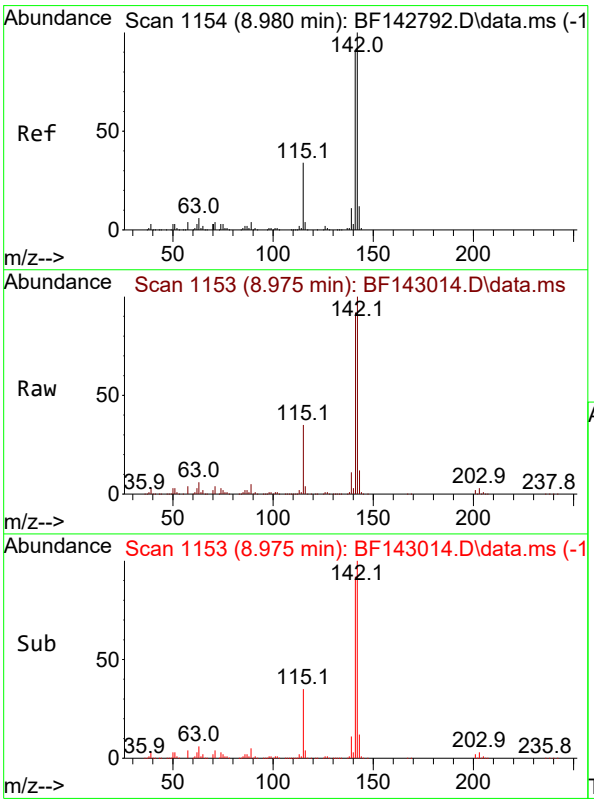

#37
2-Methylnaphthalene
Concen: 41.774 ng
RT: 8.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:142 Resp: 314708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.1 | 70.9 | 106.3 |

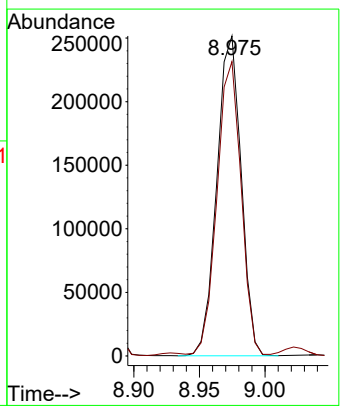


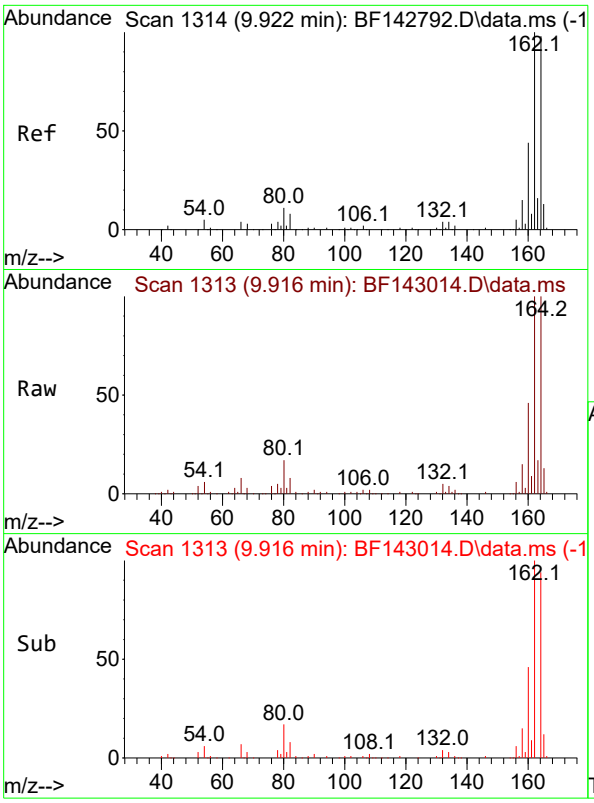




#38
1-Methylnaphthalene
Concen: 41.493 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:142 Resp: 323591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.0 | 73.0 | 109.4 |



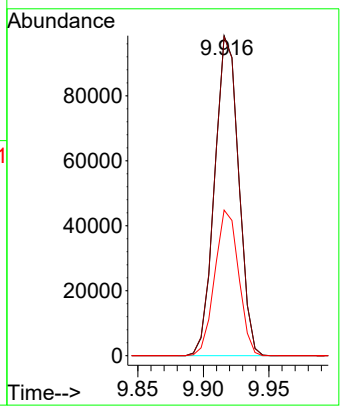


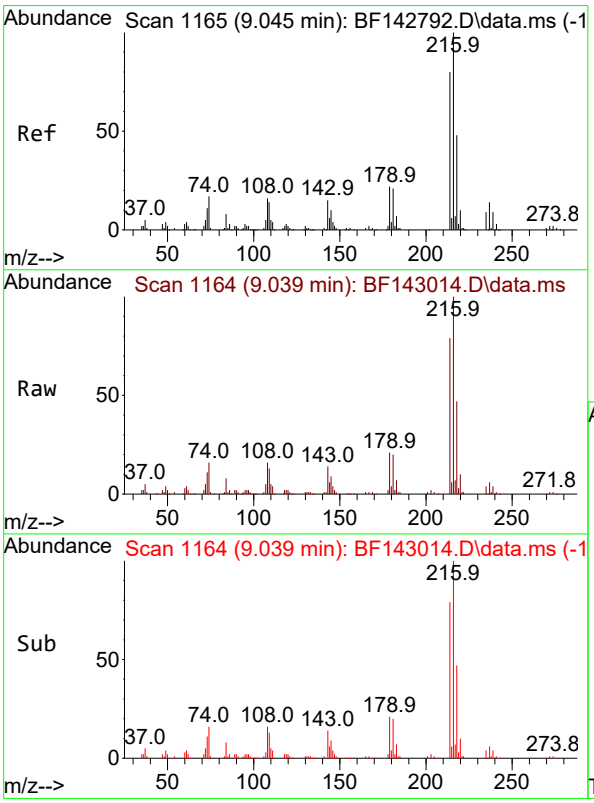

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:164 Resp: 125034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.6 | 81.8 | 122.8 |
| 160 | 45.5 | 36.0 | 54.0 |

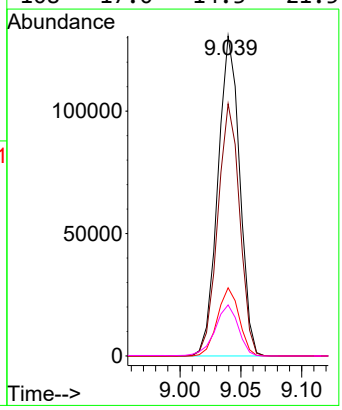


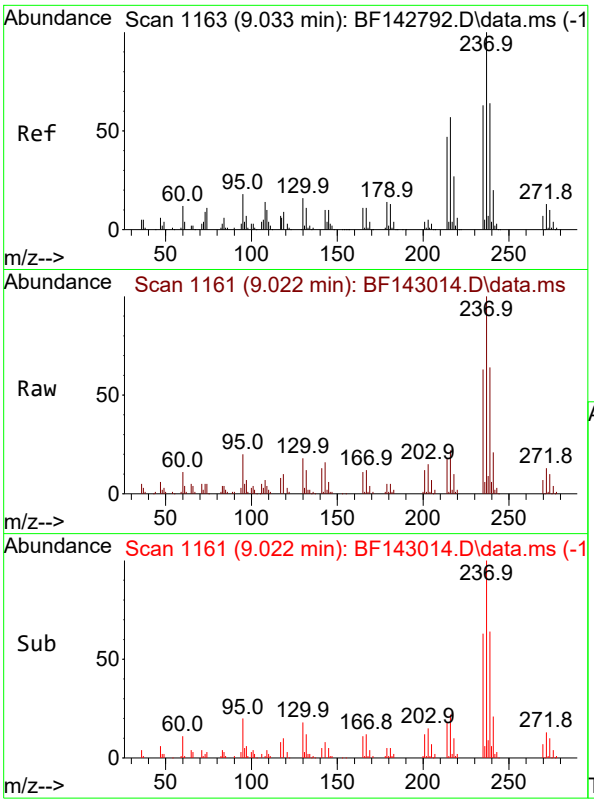




#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.170 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:216 Resp: 162957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.8 | 63.7 | 95.5 |
| 179 | 21.2 | 17.6 | 26.4 |
| 108 | 17.0 | 14.3 | 21.5 |



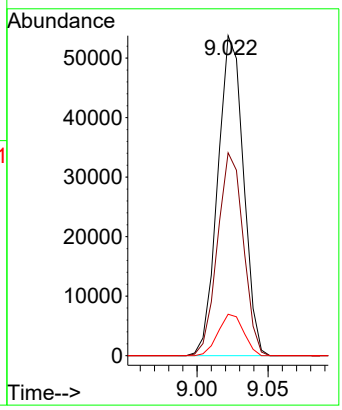


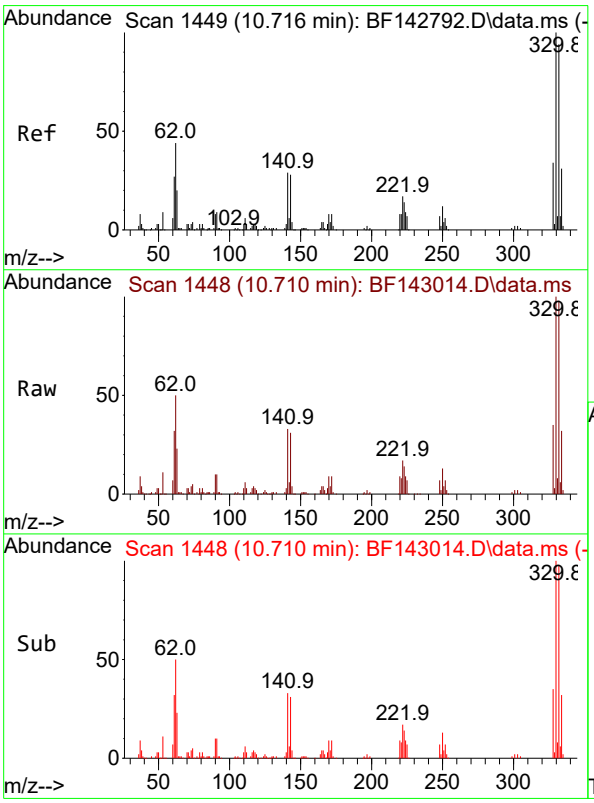

#41
Hexachlorocyclopentadiene
Concen: 32.349 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:237 Resp: 67727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.4 | 43.4 | 83.4 |
| 272 | 12.9 | 0.0 | 32.7 |

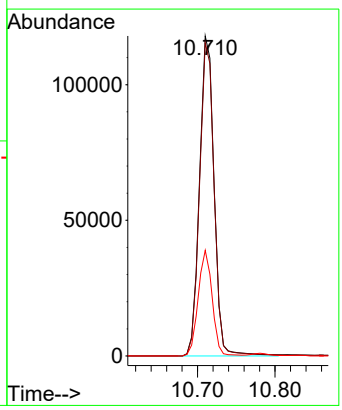


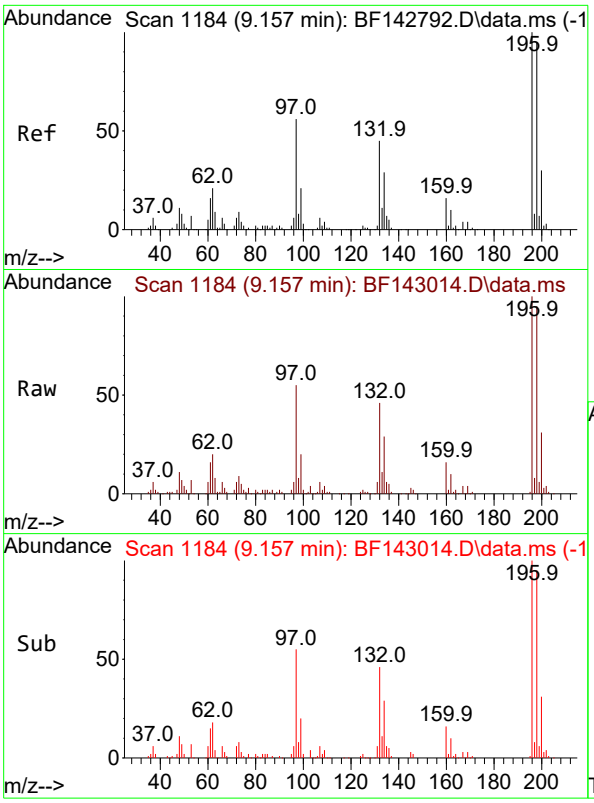




#42
2,4,6-Tribromophenol
Concen: 119.847 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:330 Resp: 154205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.1 | 75.0 | 112.6 |
| 141 | 31.7 | 25.3 | 37.9 |



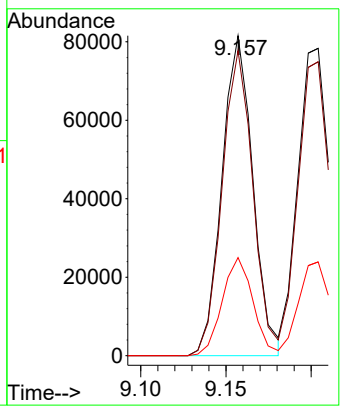


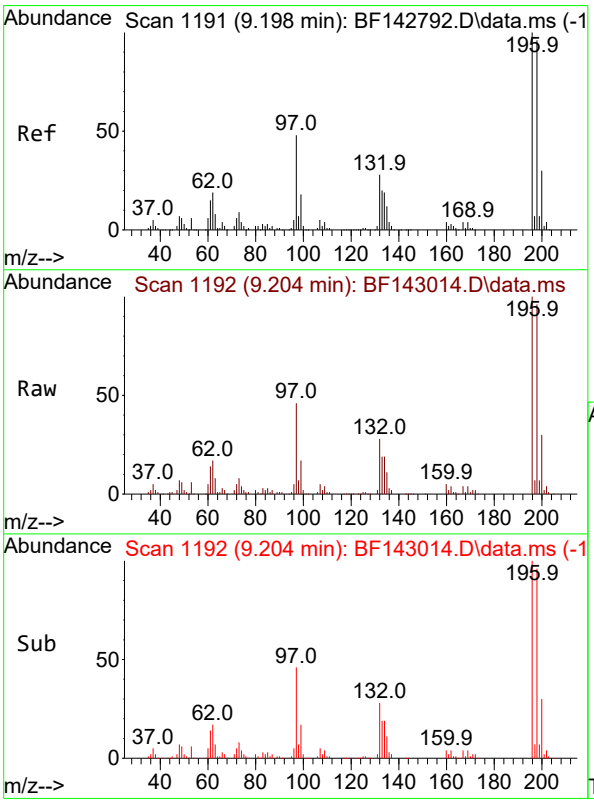

#43
2,4,6-Trichlorophenol
Concen: 42.792 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:196 Resp: 102875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.3 | 76.2 | 114.2 |
| 200 | 30.6 | 24.1 | 36.1 |

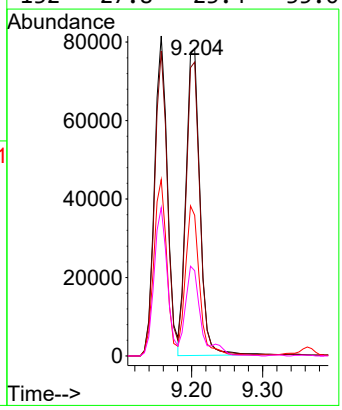


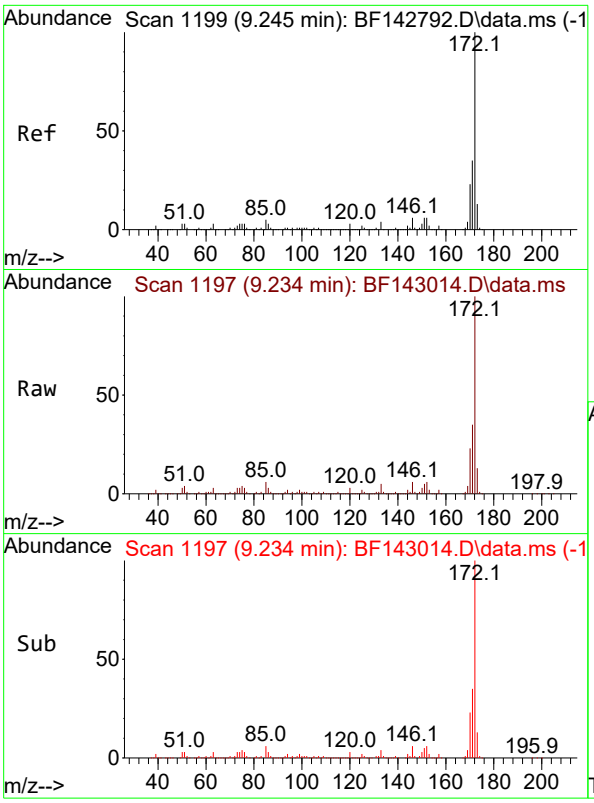




#44
2,4,5-Trichlorophenol
Concen: 42.255 ng
RT: 9.204 min Scan# 1192
Delta R.T. 0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:196 Resp: 106934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.6 | 76.6 | 115.0 |
| 97 | 45.8 | 38.2 | 57.2 |
| 132 | 27.8 | 23.4 | 35.0 |



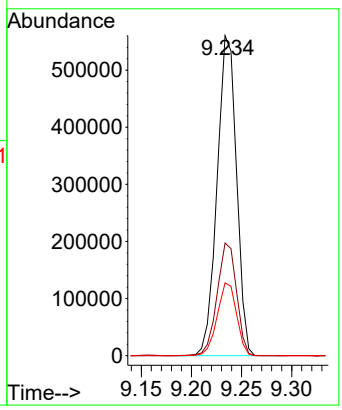


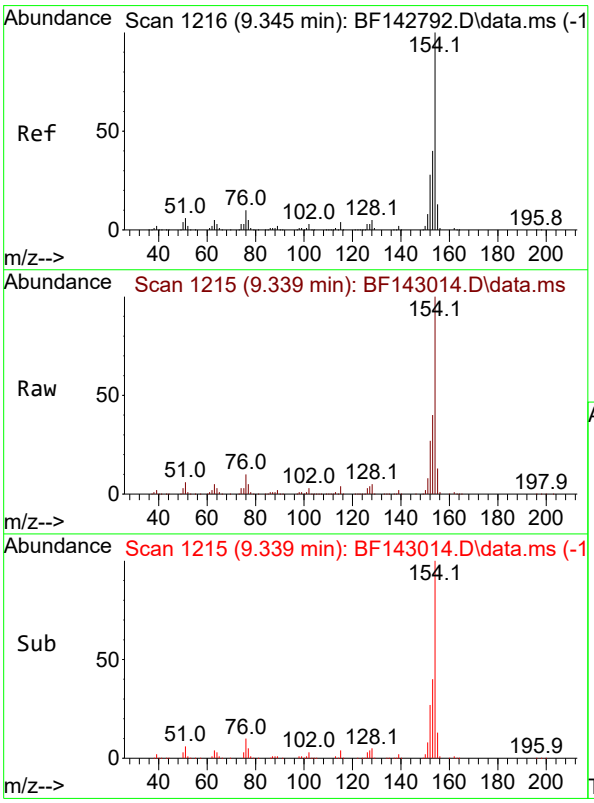

#45
2-Fluorobiphenyl
Concen: 79.015 ng
RT: 9.234 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:172 Resp: 752059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.2 | 42.4 |
| 170 | 22.7 | 18.5 | 27.7 |

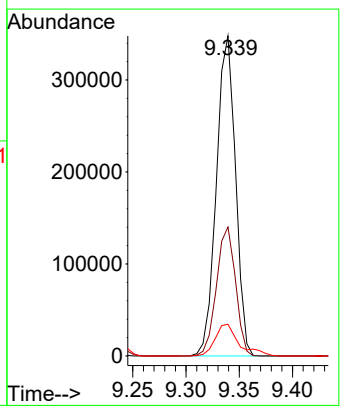


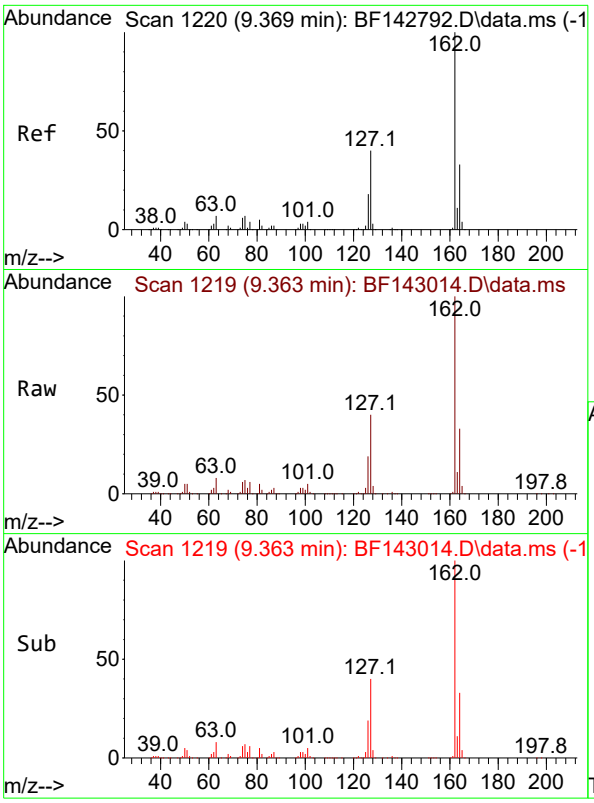




#46
1,1'-Biphenyl
Concen: 43.892 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:154 Resp: 433517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.3 | 20.3 | 60.3 |
| 76 | 9.9 | 0.0 | 30.3 |



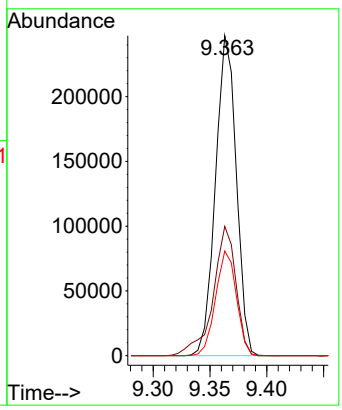


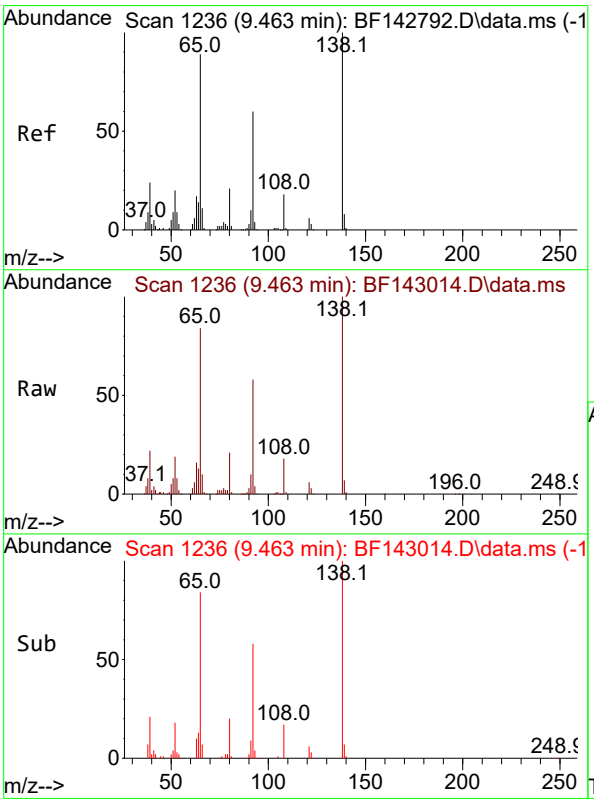

#47
2-Chloronaphthalene
Concen: 42.507 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:162 Resp: 315058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 40.4 | 32.2 | 48.2 |
| 164 | 32.7 | 26.1 | 39.1 |

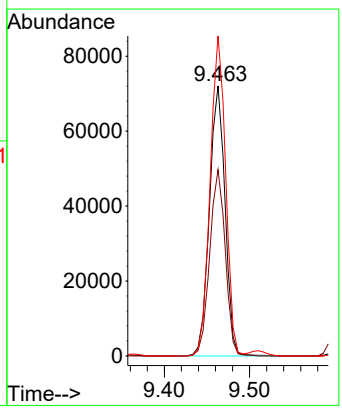


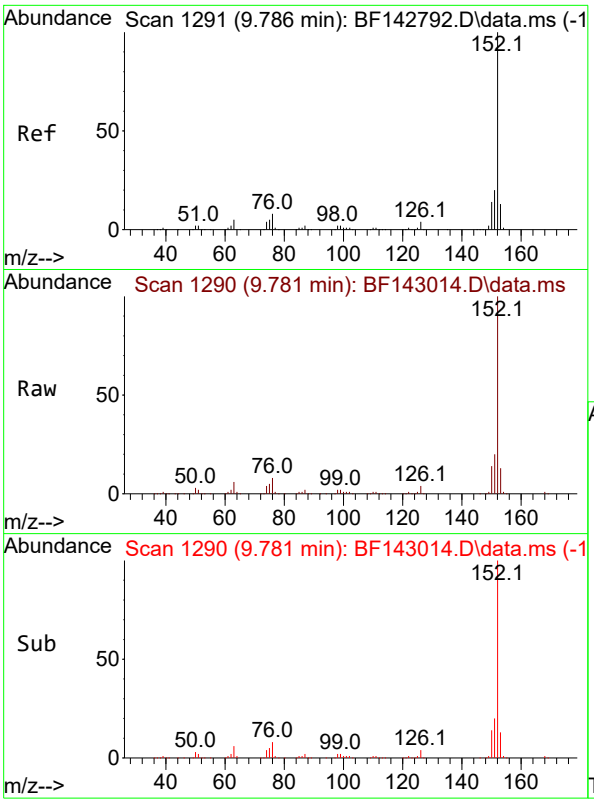




#48
2-Nitroaniline
Concen: 44.141 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion: 65 Resp: 91725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 69.0 | 53.8 | 80.6 |
| 138 | 118.5 | 89.6 | 134.4 |



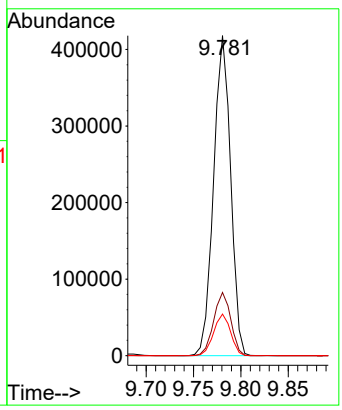


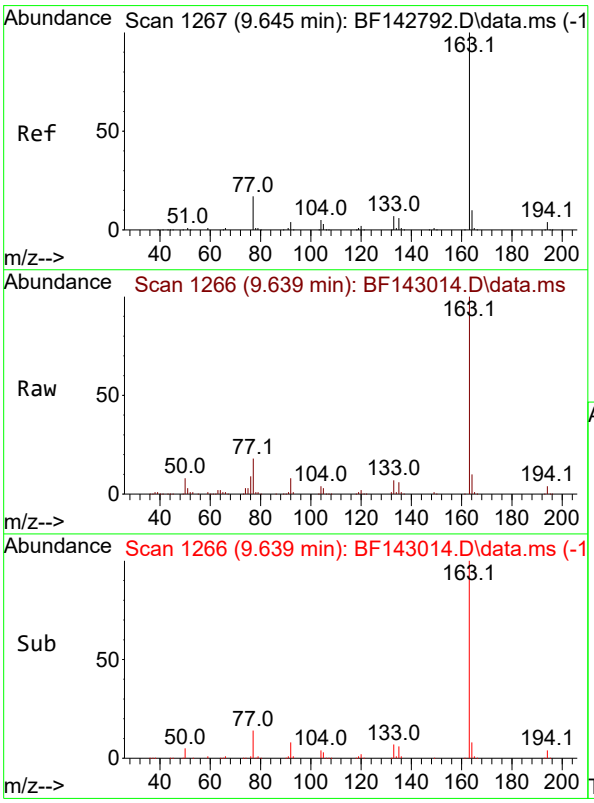

#49
Acenaphthylene
Concen: 42.947 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:152 Resp: 524028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 16.1 | 24.1 |
| 153 | 13.0 | 10.4 | 15.6 |

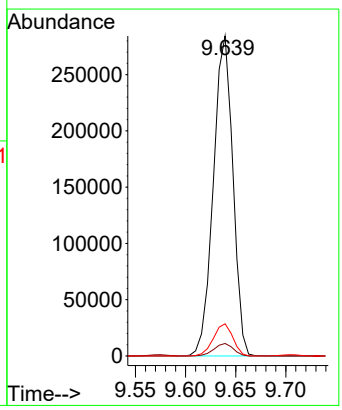


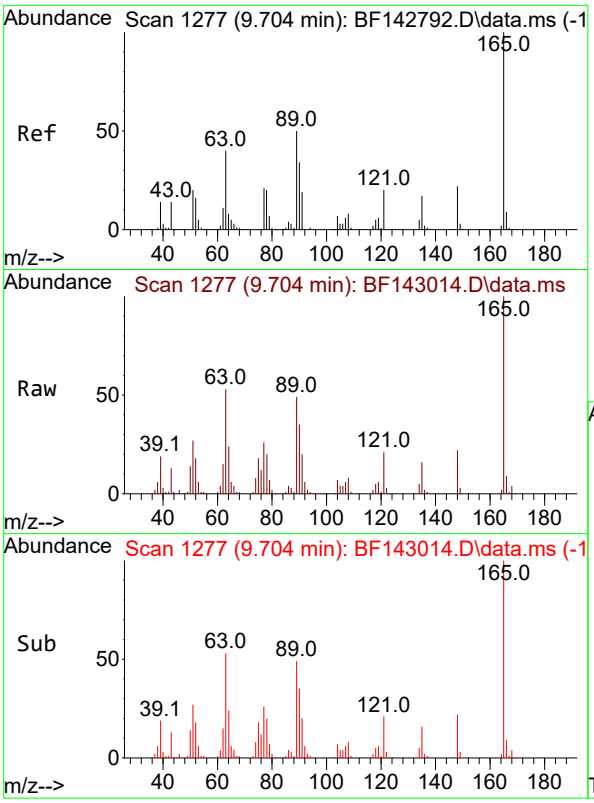




#50
Dimethylphthalate
Concen: 47.582 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:163 Resp: 385105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.3 | 4.9 |
| 164 | 10.0 | 8.0 | 12.0 |



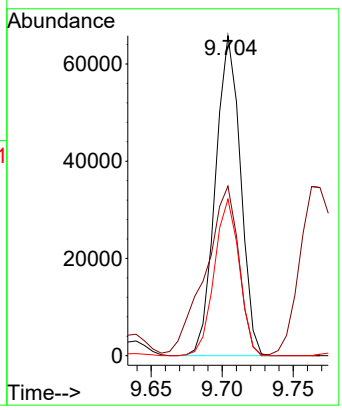


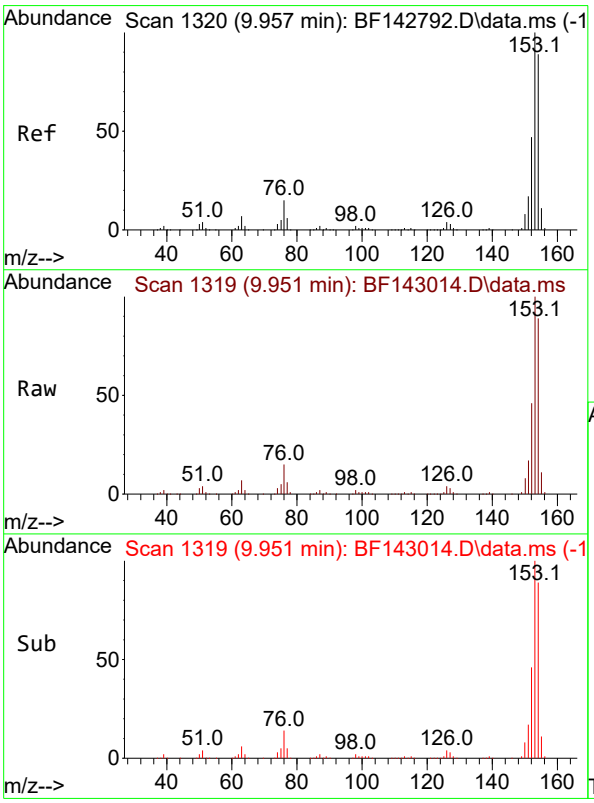

#51
2,6-Dinitrotoluene
Concen: 45.421 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:165 Resp: 80732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.0 | 44.2 | 66.4 |
| 89 | 48.9 | 39.8 | 59.8 |

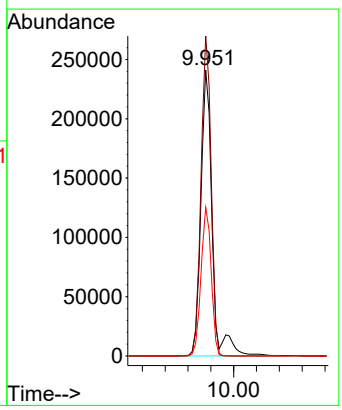


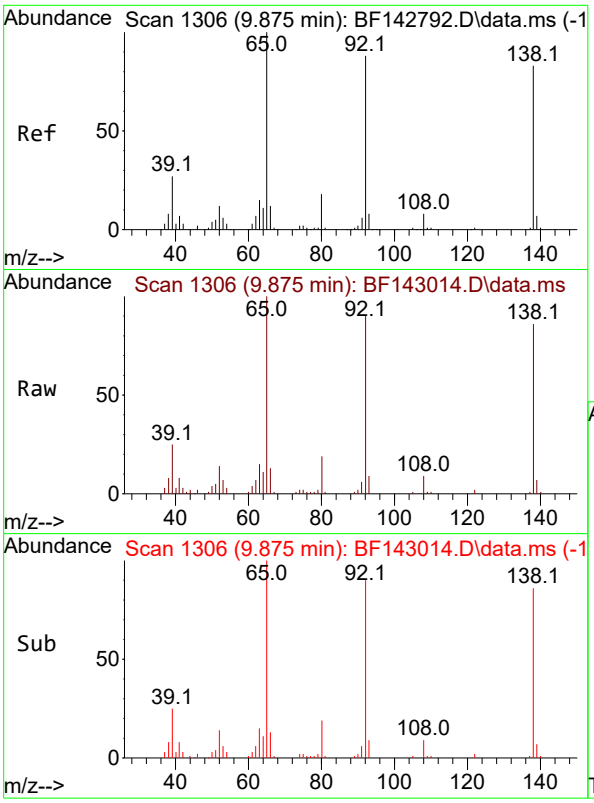




#52
Acenaphthene
Concen: 44.172 ng m
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:154 Resp: 328841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.9 | 90.0 | 135.0 |
| 152 | 51.9 | 41.9 | 62.9 |



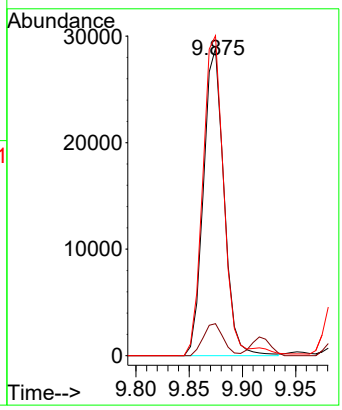


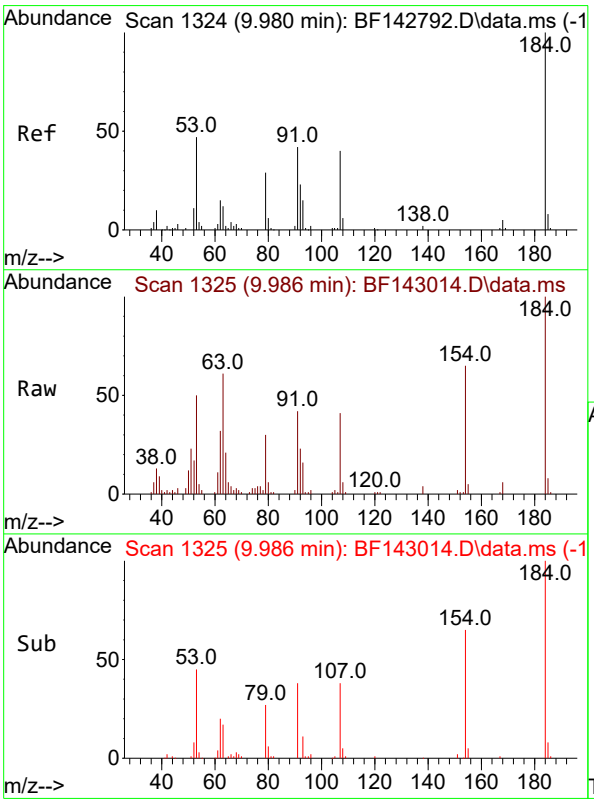

#53
3-Nitroaniline
Concen: 19.796 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:138 Resp: 38740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.4 | 8.1 | 12.1 |
| 92 | 104.1 | 85.1 | 127.7 |

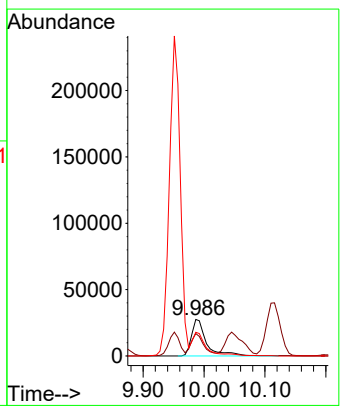


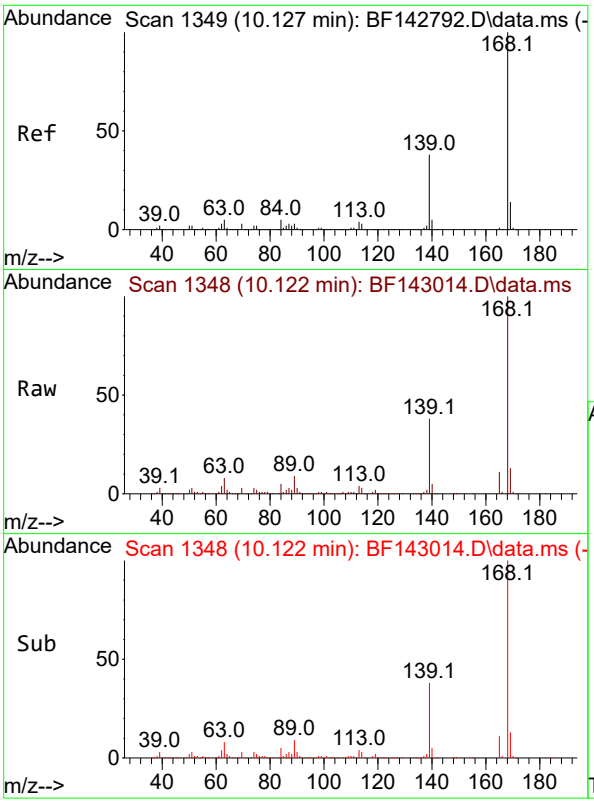




#54
2,4-Dinitrophenol
Concen: 53.170 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:184 Resp: 47320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 61.2 | 50.6 | 75.8 |
| 154 | 64.9 | 51.8 | 77.8 |



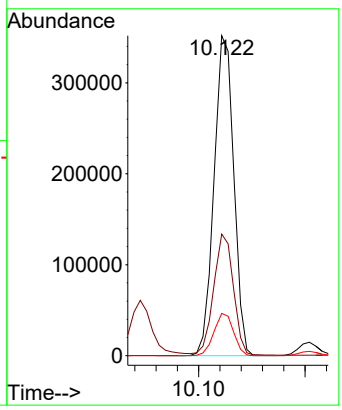


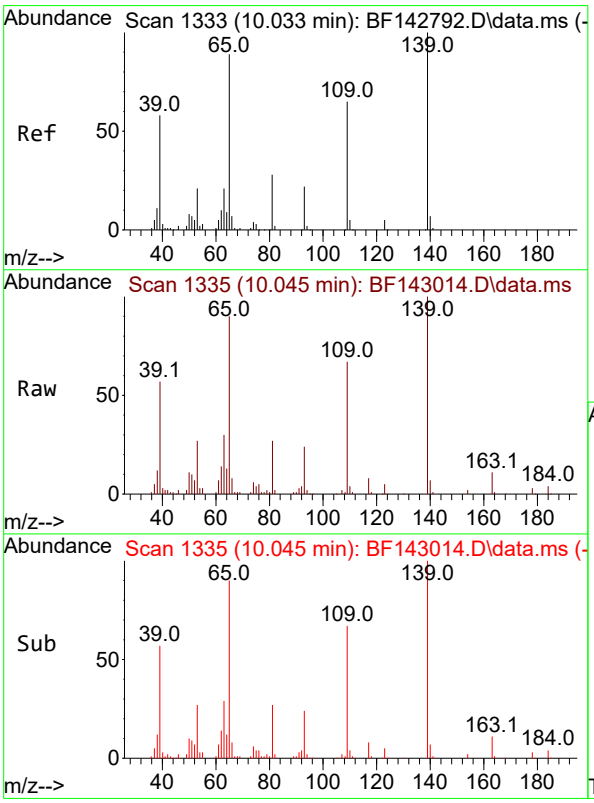

#55
Dibenzofuran
Concen: 42.282 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:168 Resp: 451375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.0 | 30.2 | 45.4 |
| 169 | 13.2 | 10.8 | 16.2 |

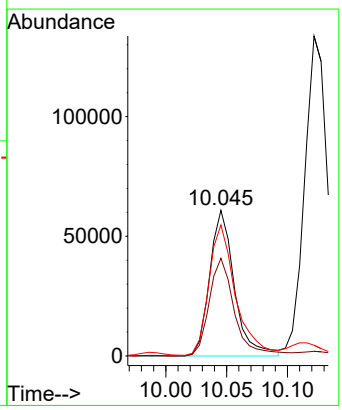


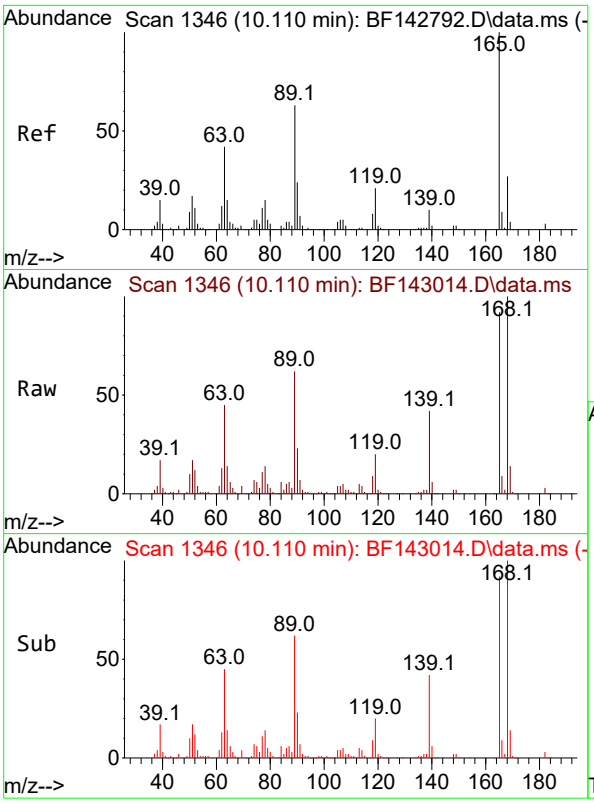




#56
4-Nitrophenol
Concen: 64.102 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.012 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:139 Resp: 85879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 67.2 | 44.7 | 84.7 |
| 65 | 90.0 | 69.8 | 109.8 |



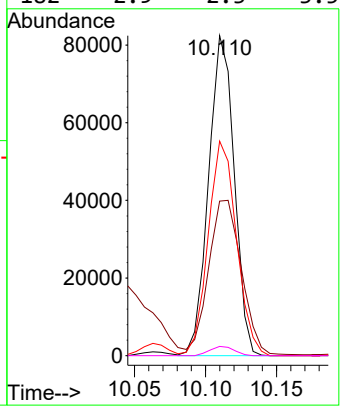


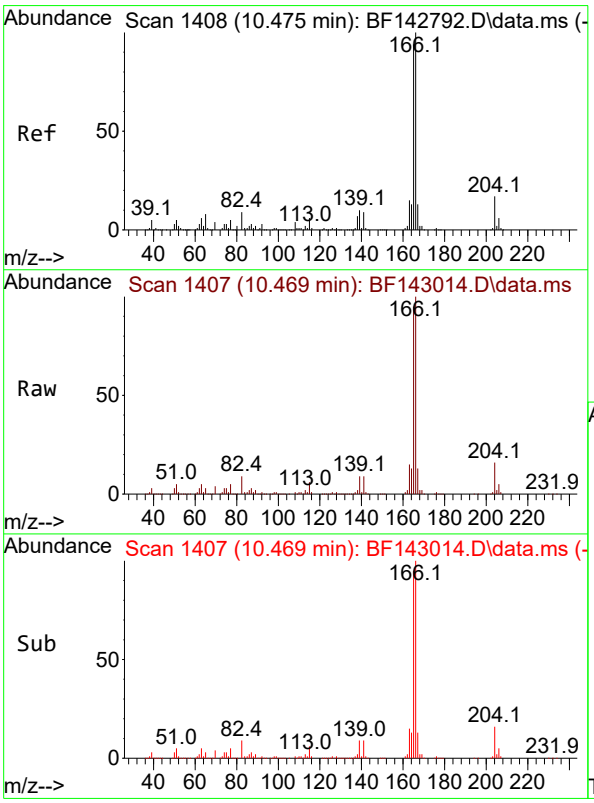

#57
2,4-Dinitrotoluene
Concen: 43.859 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:165 Resp: 103549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 48.3 | 33.9 | 50.9 |
| 89 | 67.1 | 50.6 | 75.8 |
| 182 | 2.9 | 2.3 | 3.5 |

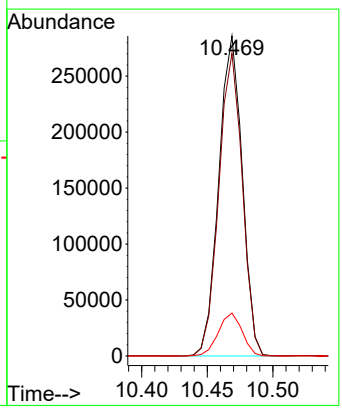


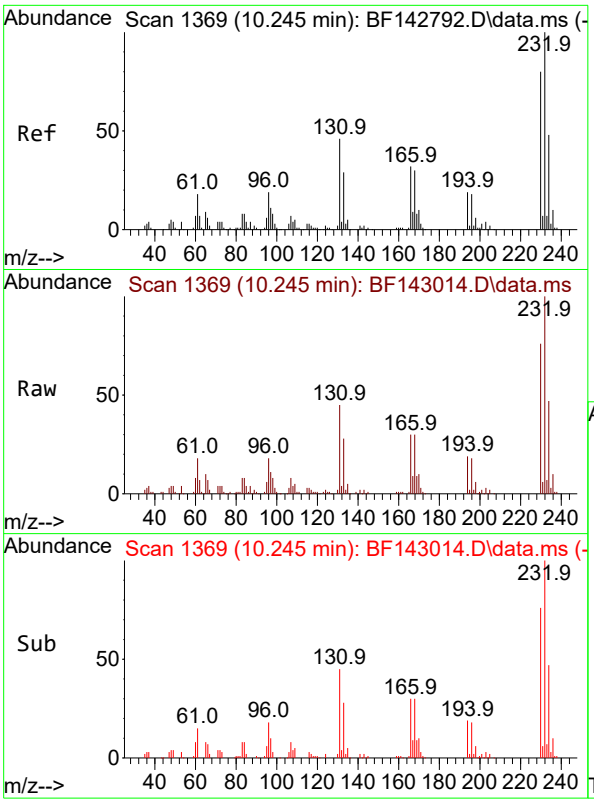




#58
Fluorene
Concen: 42.598 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:166 Resp: 355154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 94.6 | 75.2 | 112.8 |
| 167 | 13.4 | 10.6 | 15.8 |



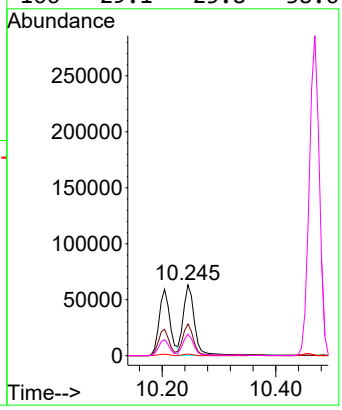


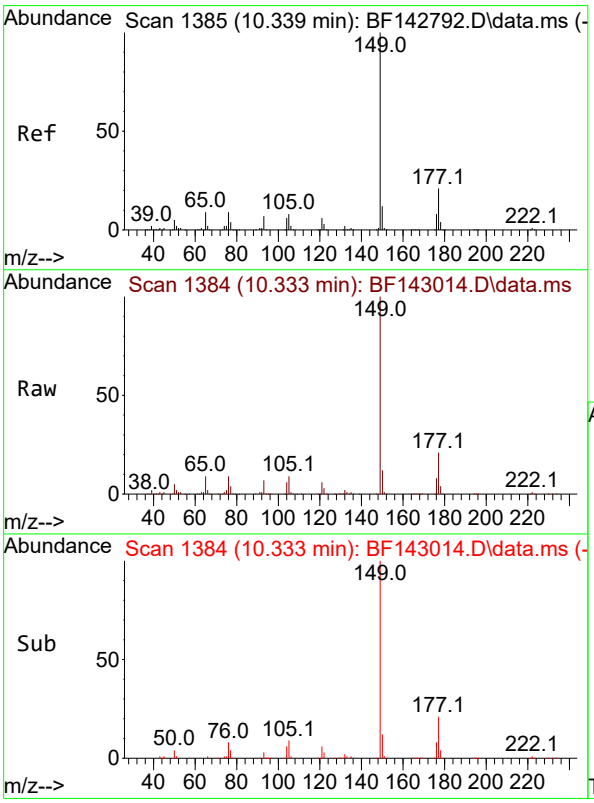

#59
2,3,4,6-Tetrachlorophenol
Concen: 42.267 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:232 Resp: 86221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 42.3 | 37.6 | 56.4 |
| 130 | 2.1 | 1.7 | 2.5 |
| 166 | 29.1 | 25.8 | 38.6 |

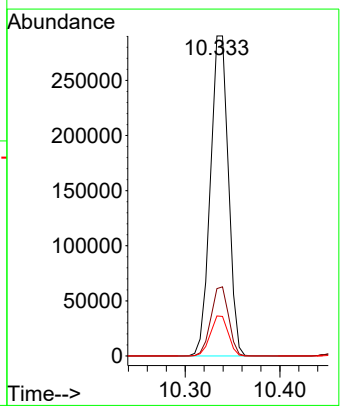


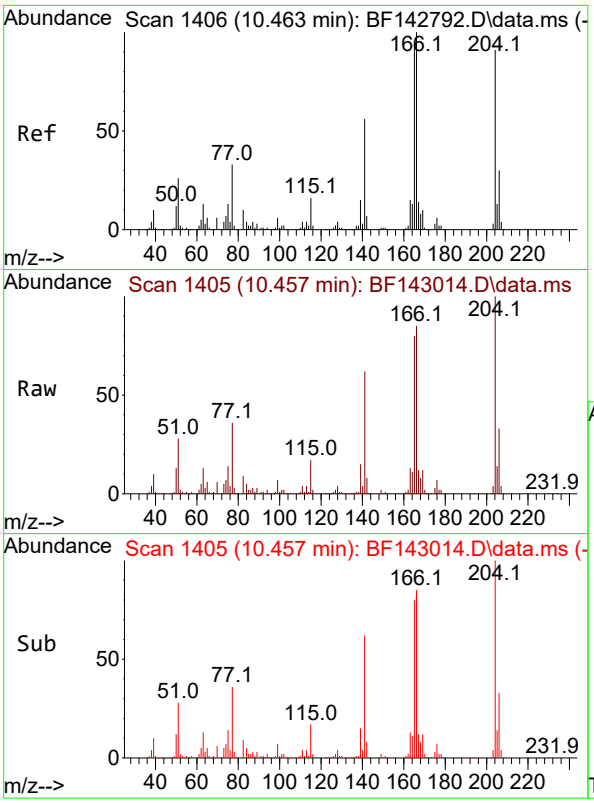




#60
Diethylphthalate
Concen: 48.154 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:149 Resp: 382127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.1 | 17.0 | 25.6 |
| 150 | 12.5 | 9.8 | 14.6 |



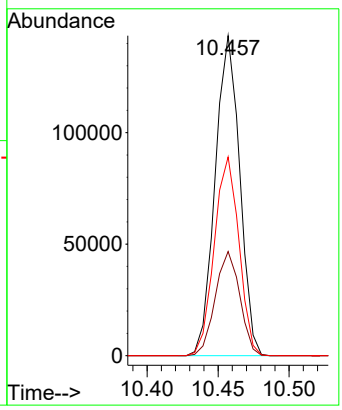


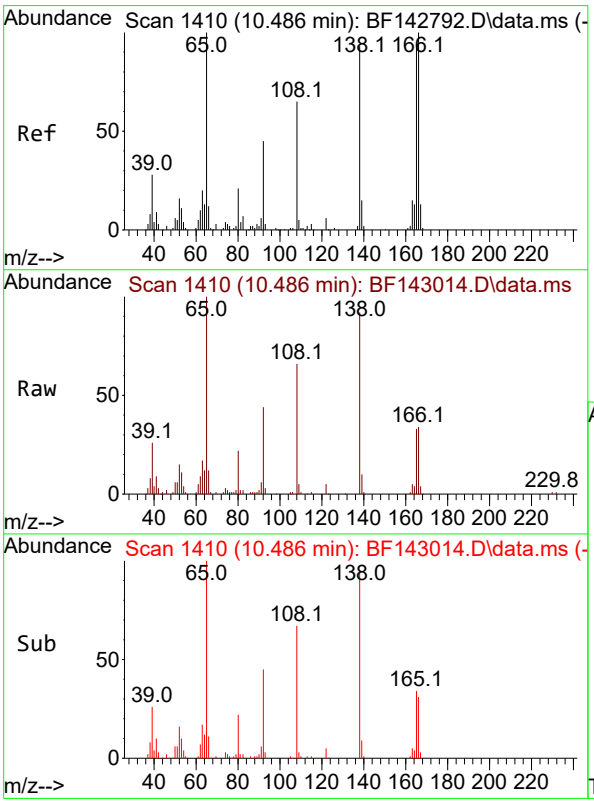

#61
4-Chlorophenyl-phenylether
Concen: 43.354 ng
RT: 10.457 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:204 Resp: 172481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.6 | 26.3 | 39.5 |
| 141 | 62.1 | 49.1 | 73.7 |

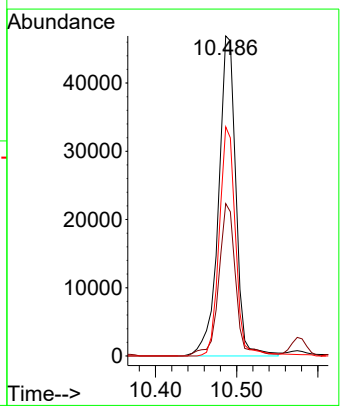


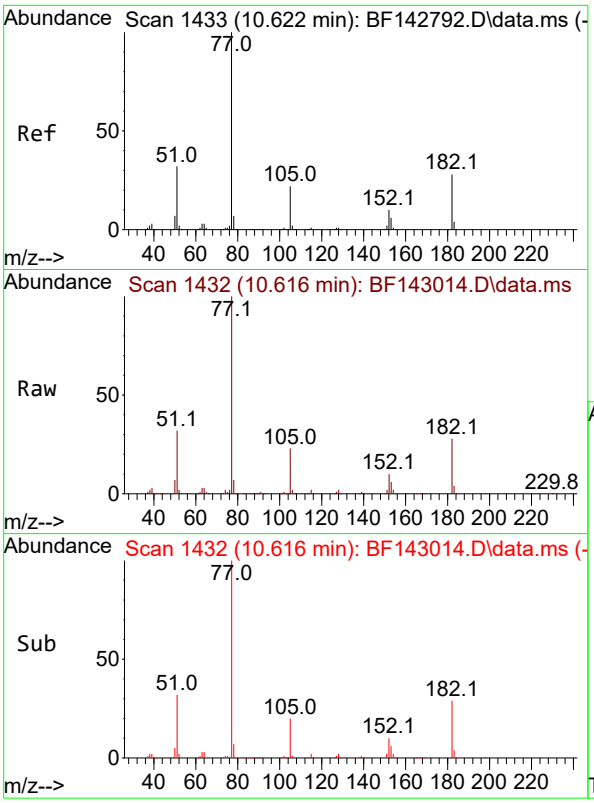




#62
4-Nitroaniline
Concen: 38.967 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:138 Resp: 69742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 47.6 | 28.4 | 68.4 |
| 108 | 71.6 | 50.2 | 90.2 |



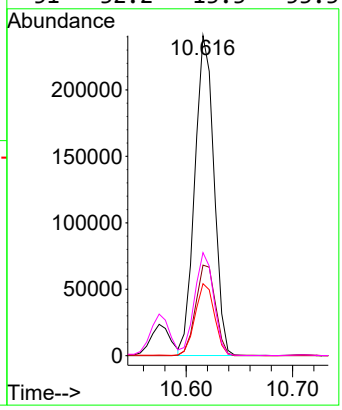


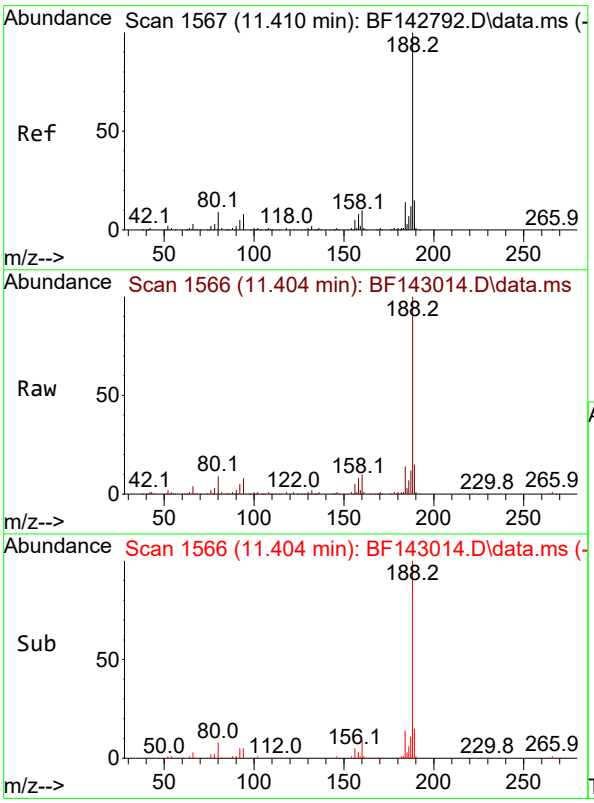

#63
Azobenzene
Concen: 42.455 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion: 77 Resp: 301114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.3 | 7.7 | 47.7 |
| 105 | 22.5 | 1.9 | 41.9 |
| 51 | 32.2 | 13.3 | 53.3 |

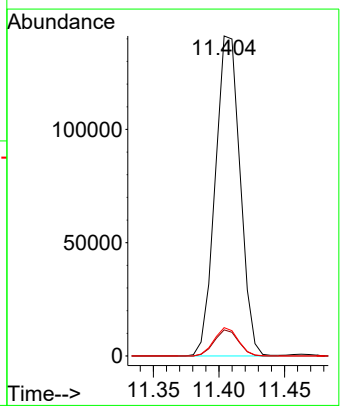


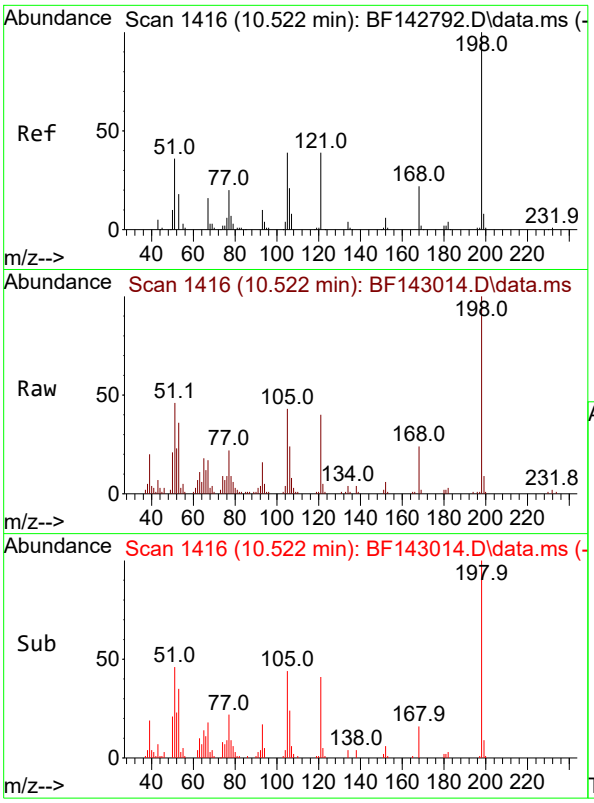




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:188 Resp: 185988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.2 | 6.7 | 10.1 |
| 80 | 8.9 | 6.9 | 10.3 |



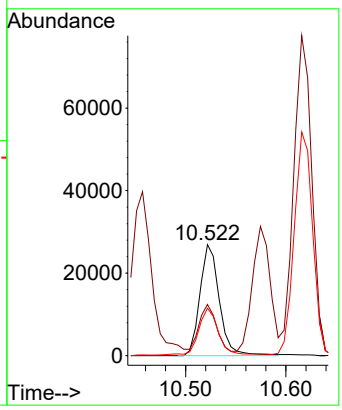


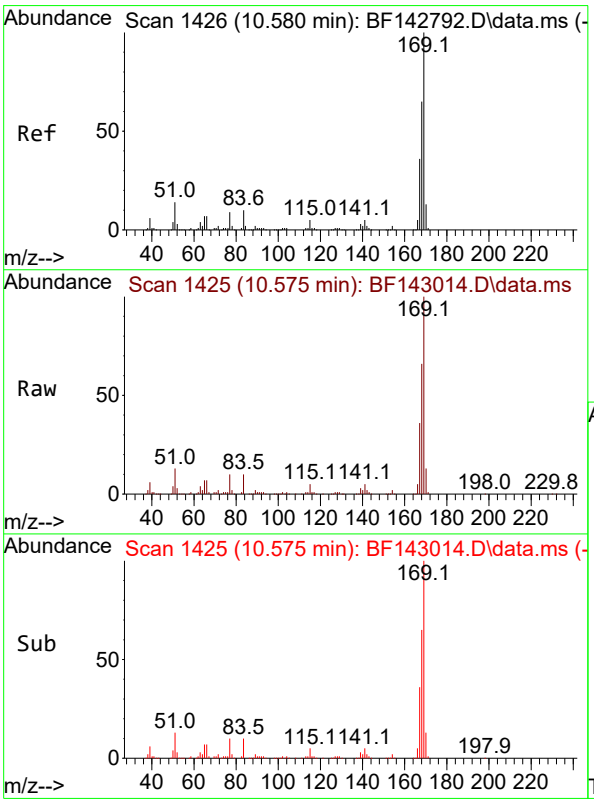

#65
4,6-Dinitro-2-methylphenol
Concen: 32.193 ng
RT: 10.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:198 Resp: 36217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 46.1 | 25.4 | 65.4 |
| 105 | 42.8 | 20.4 | 60.4 |

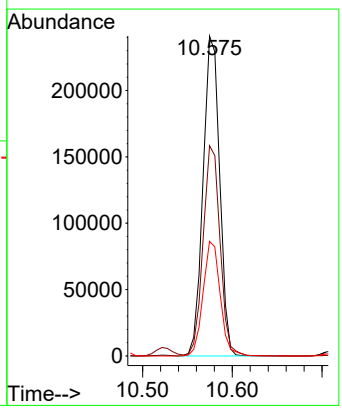


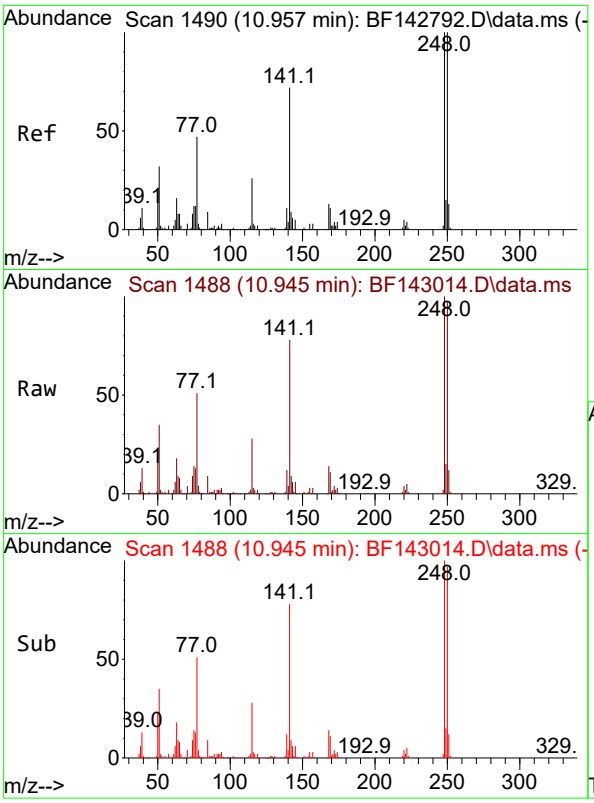




#66
n-Nitrosodiphenylamine
Concen: 48.028 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:169 Resp: 309585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.7 | 51.9 | 77.9 |
| 167 | 35.8 | 28.5 | 42.7 |



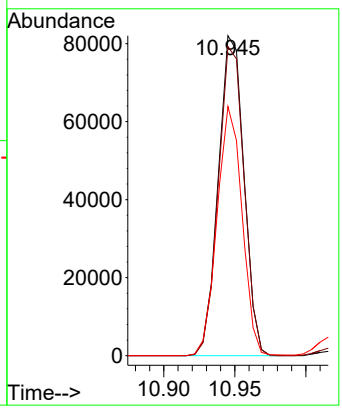


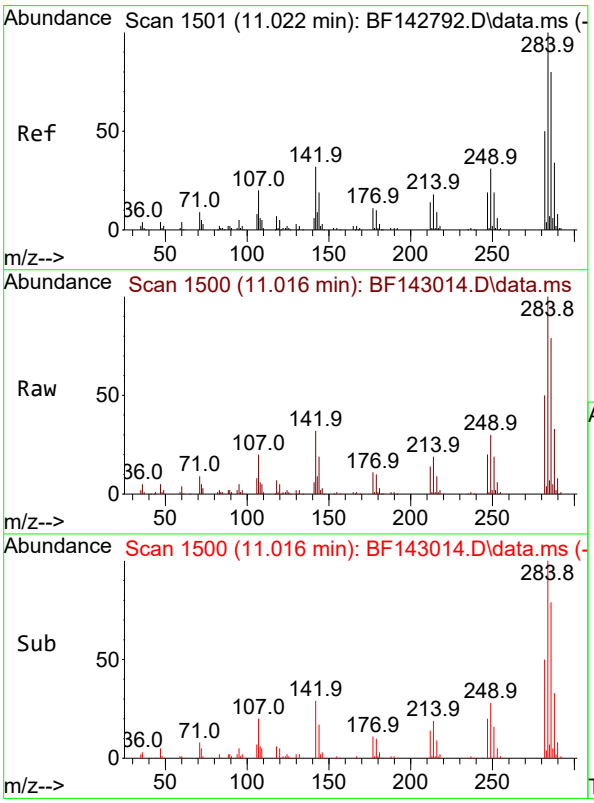

#67
4-Bromophenyl-phenylether
Concen: 48.645 ng
RT: 10.945 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:248 Resp: 102968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.6 | 79.8 | 119.8 |
| 141 | 77.8 | 57.8 | 86.6 |

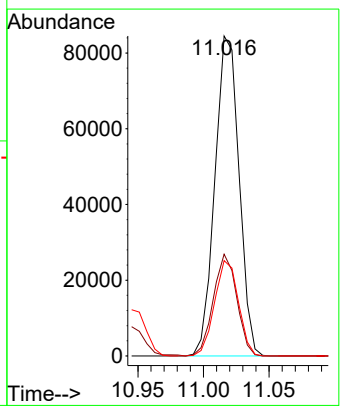


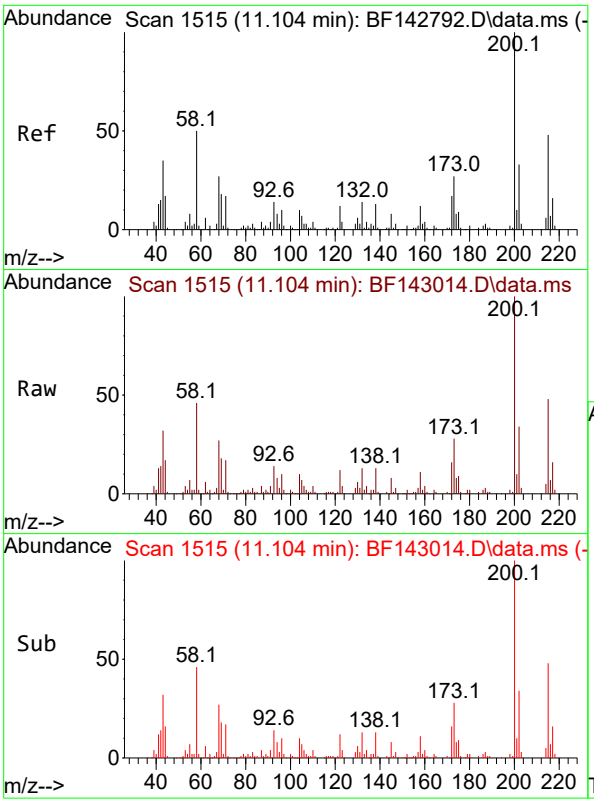




#68
Hexachlorobenzene
Concen: 45.939 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:284 Resp: 108050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.8 | 25.5 | 38.3 |
| 249 | 29.8 | 24.9 | 37.3 |



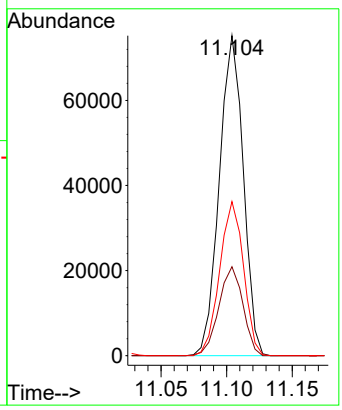


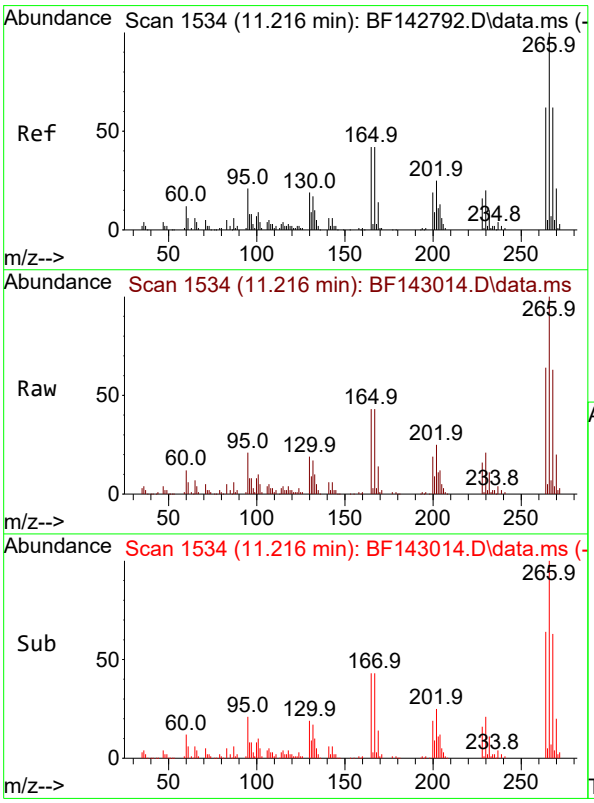

#69
Atrazine
Concen: 57.375 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:200 Resp: 95502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.8 | 7.4 | 47.4 |
| 215 | 48.2 | 28.4 | 68.4 |

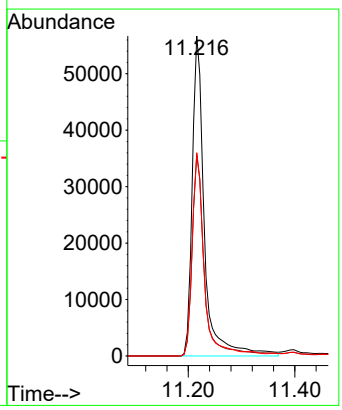


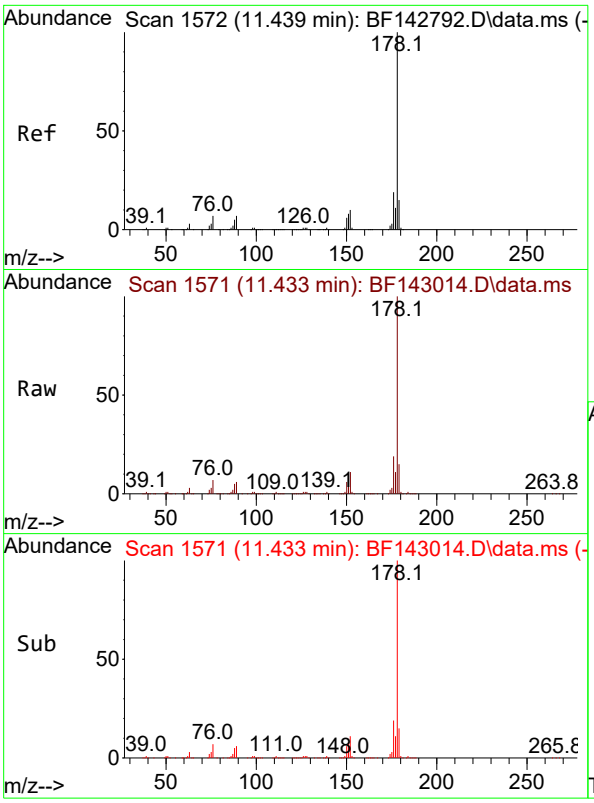




#70
Pentachlorophenol
Concen: 77.287 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:266 Resp: 90582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.9 | 49.8 | 74.8 |
| 264 | 63.5 | 49.9 | 74.9 |



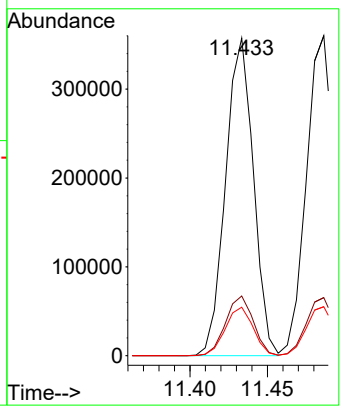


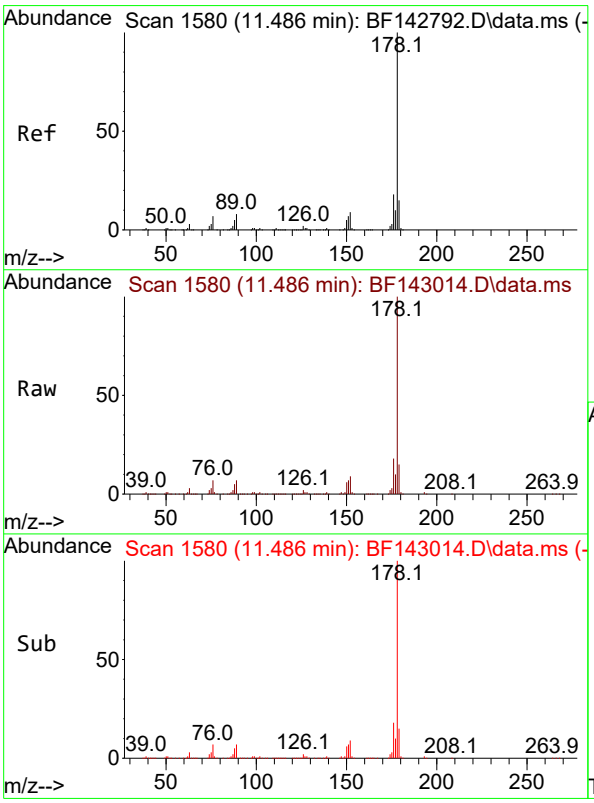

#71
Phenanthrene
Concen: 44.295 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:178 Resp: 446270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.1 | 22.7 |
| 179 | 15.3 | 12.0 | 18.0 |

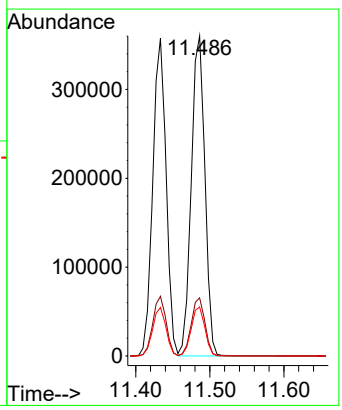


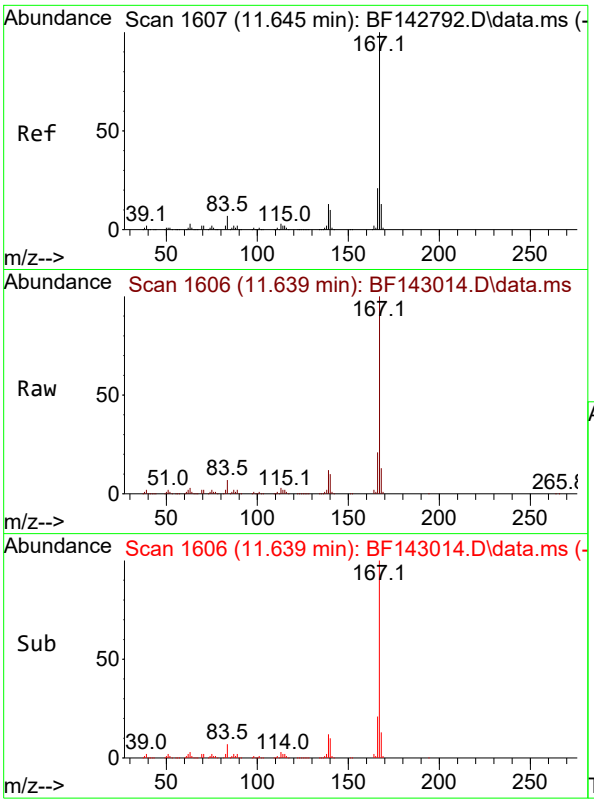




#72
Anthracene
Concen: 44.422 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:178 Resp: 458998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 14.6 | 21.8 |
| 179 | 15.3 | 12.4 | 18.6 |



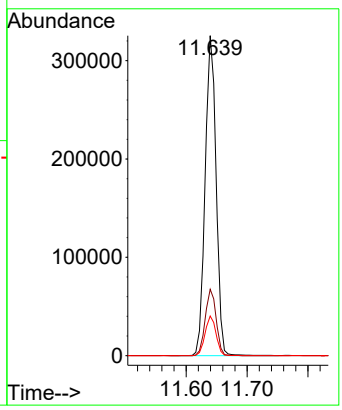


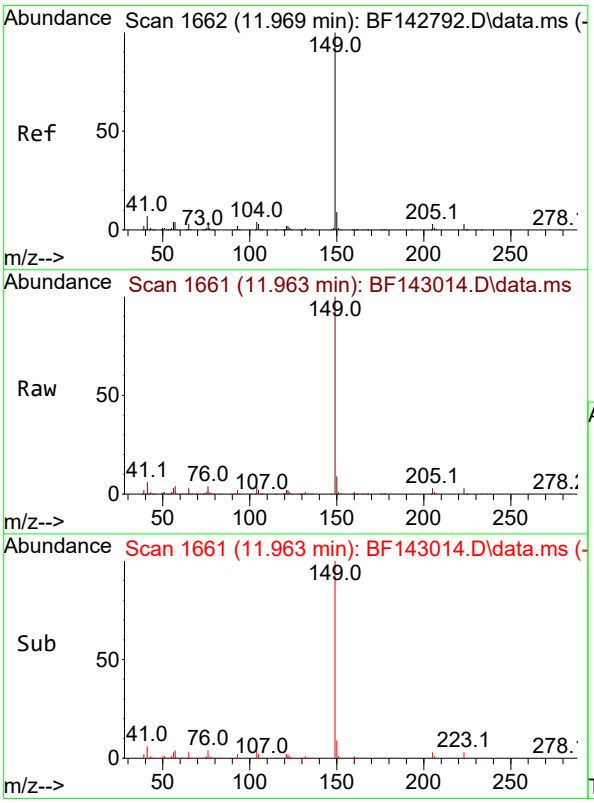

#73
Carbazole
Concen: 45.802 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:167 Resp: 408403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 20.7 | 17.0 | 25.4 |
| 139 | 12.4 | 10.2 | 15.2 |

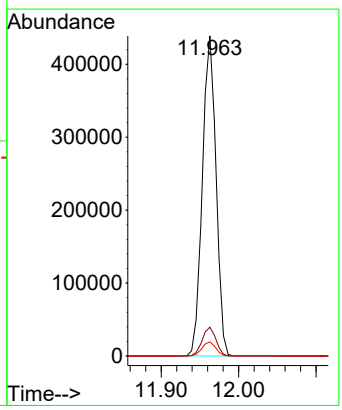


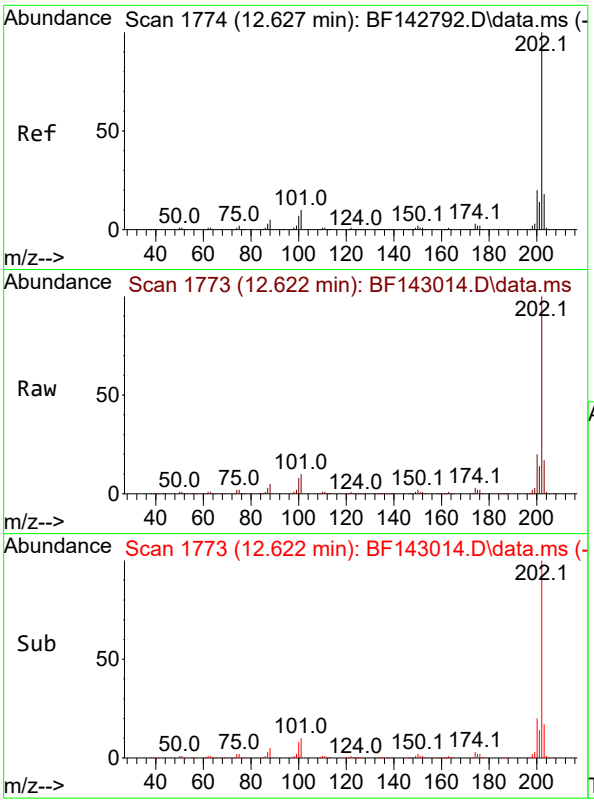




#74
Di-n-butylphthalate
Concen: 57.835 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:149 Resp: 537229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.4 | 11.0 |
| 104 | 4.4 | 3.5 | 5.3 |



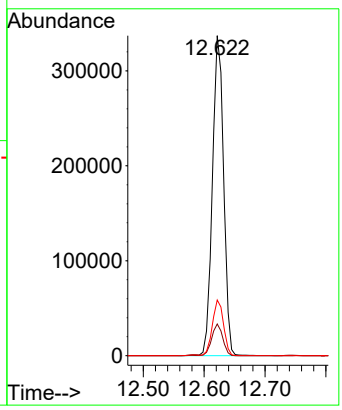


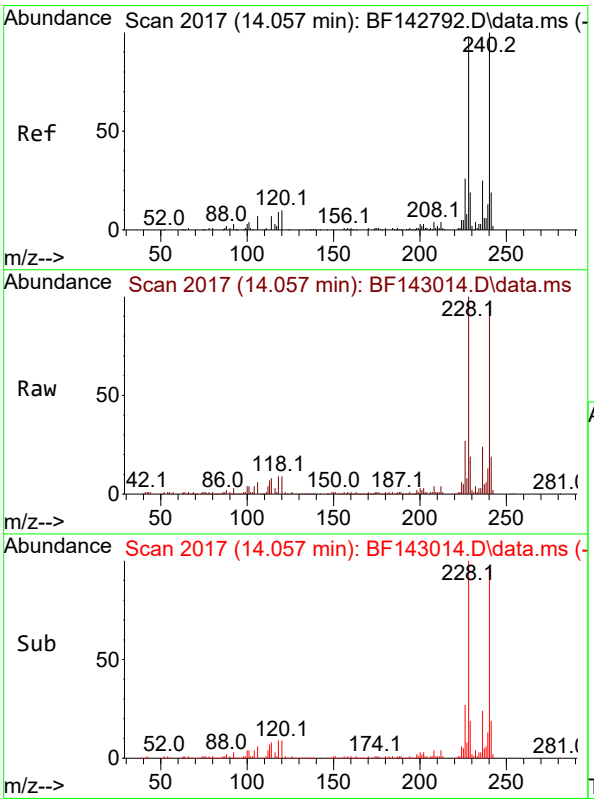

#75
Fluoranthene
Concen: 45.079 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:202 Resp: 431030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.9 | 0.0 | 29.7 |
| 203 | 17.4 | 0.0 | 37.5 |

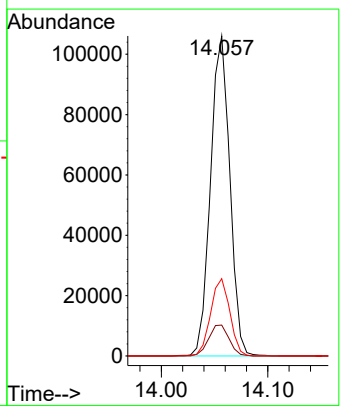


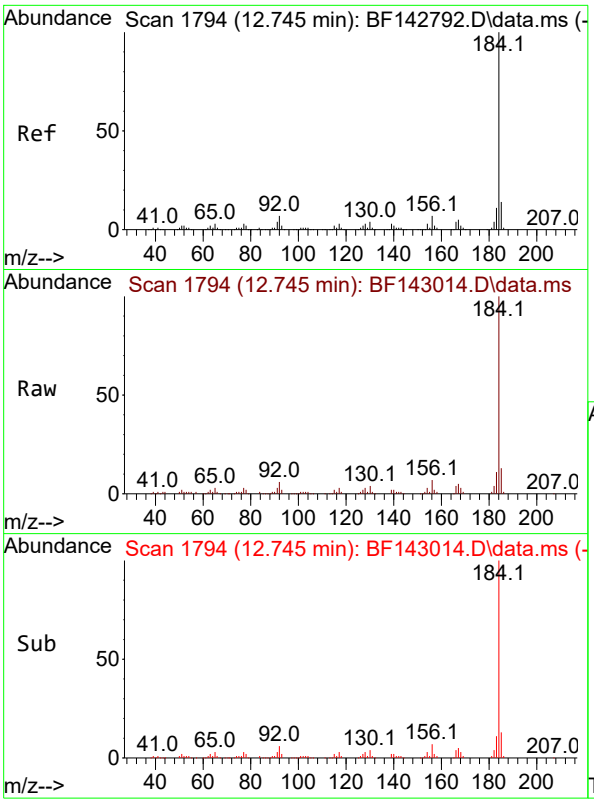




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:240 Resp: 133052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.6 | 8.2 | 12.2 |
| 236 | 24.2 | 19.8 | 29.8 |



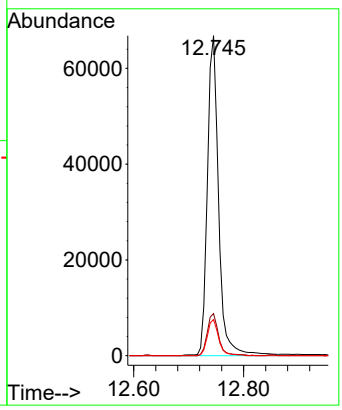


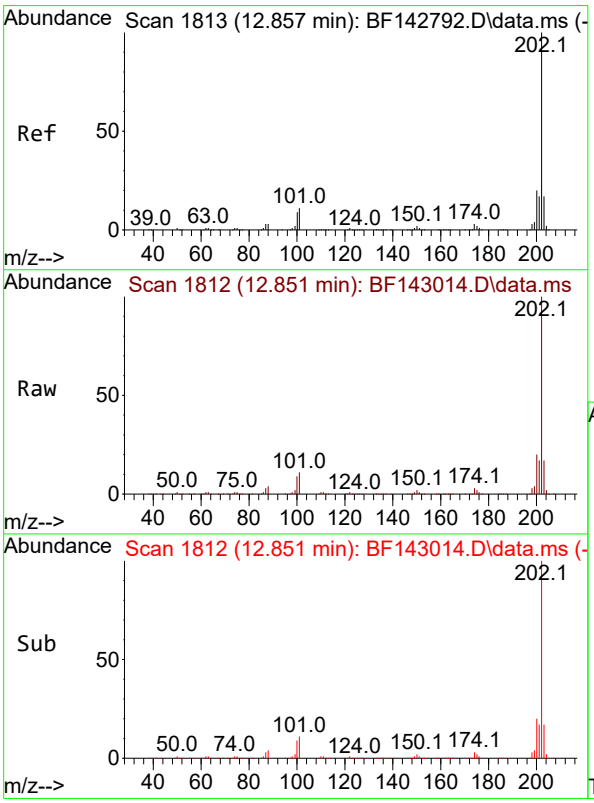

#77
Benzidine
Concen: 18.940 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:184 Resp: 94678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.2 | 11.5 | 17.3 |
| 183 | 11.3 | 9.0 | 13.4 |

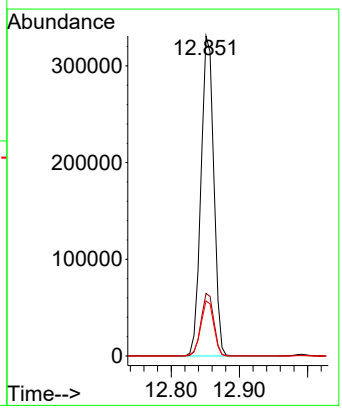


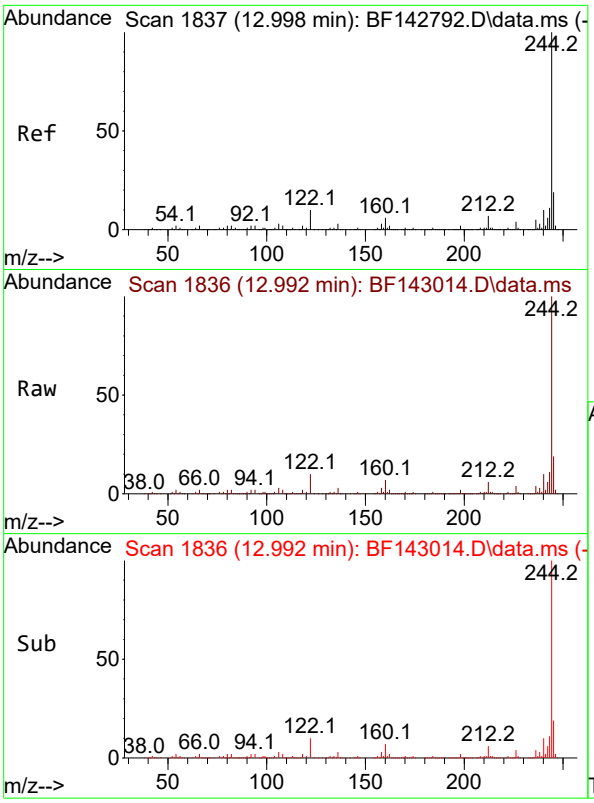




#78
Pyrene
Concen: 34.709 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:202 Resp: 432870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.6 | 15.7 | 23.5 |
| 203 | 17.2 | 13.8 | 20.6 |



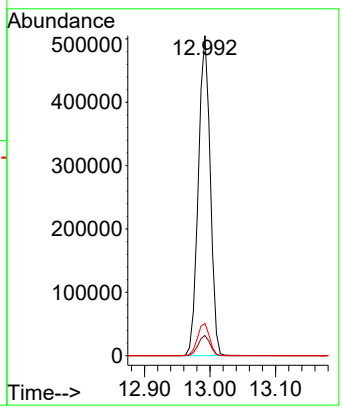


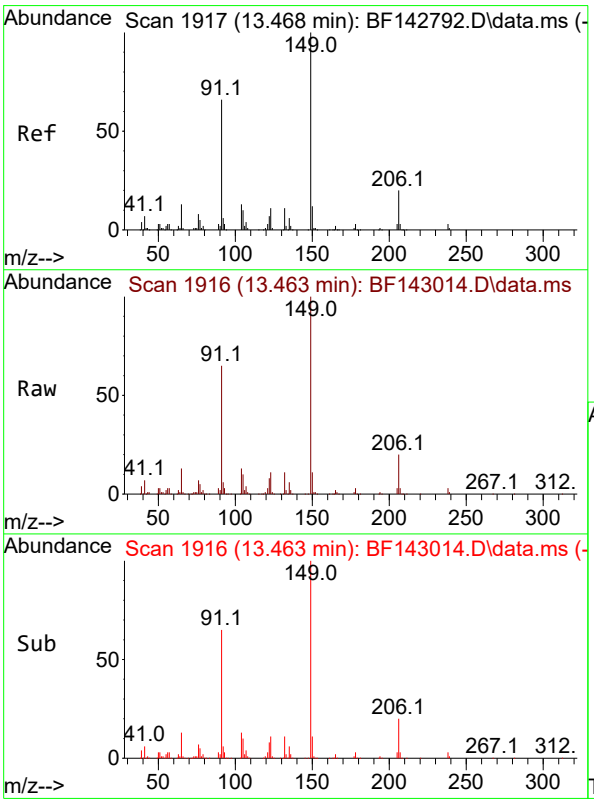

#79
Terphenyl-d14
Concen: 66.370 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:244 Resp: 639112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.3 | 5.4 | 8.0 |
| 122 | 10.1 | 8.2 | 12.2 |

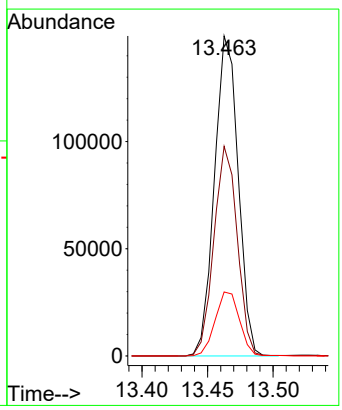


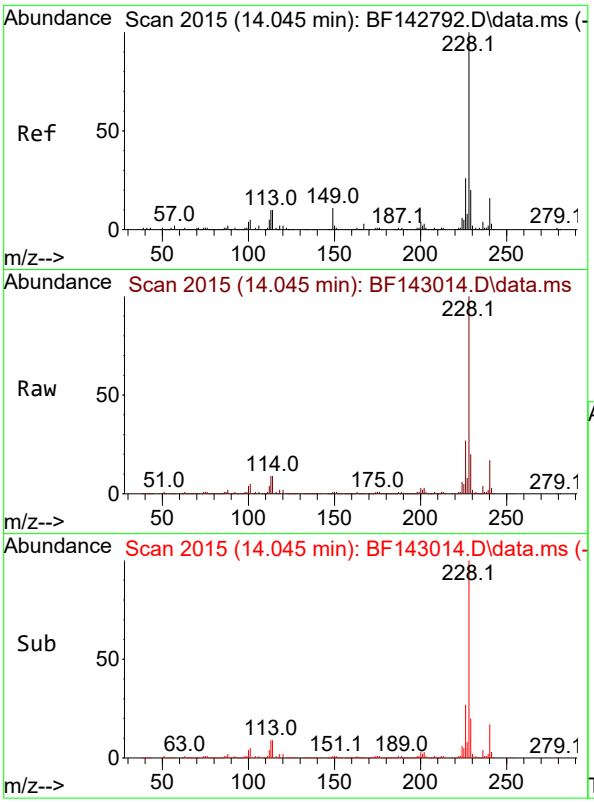




#80
Butylbenzylphthalate
Concen: 51.853 ng
RT: 13.463 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:149 Resp: 187586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 65.5 | 52.9 | 79.3 |
| 206 | 20.0 | 16.3 | 24.5 |



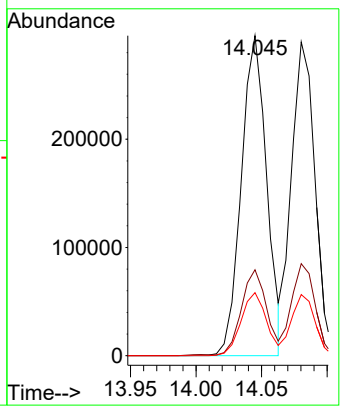


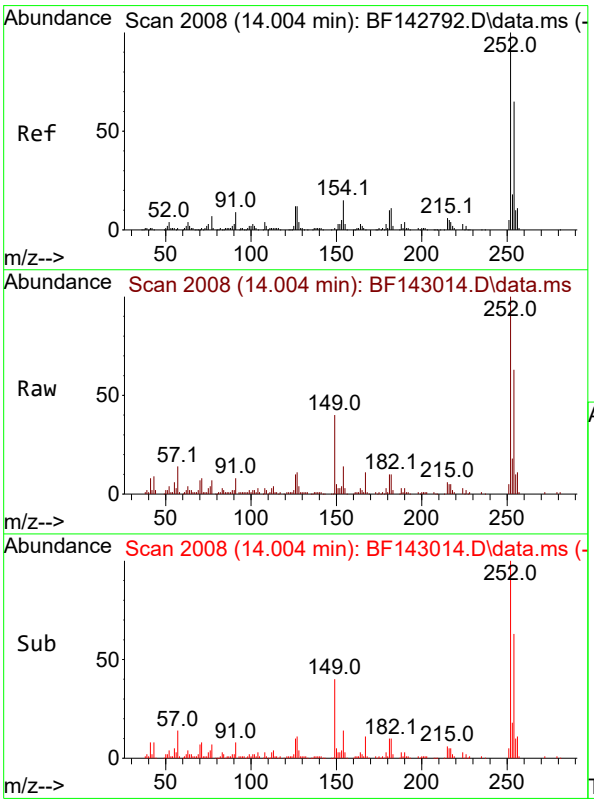

#81
Benzo(a)anthracene
Concen: 44.394 ng
RT: 14.045 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:228 Resp: 398475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.8 | 21.2 | 31.8 |
| 229 | 19.7 | 15.6 | 23.4 |

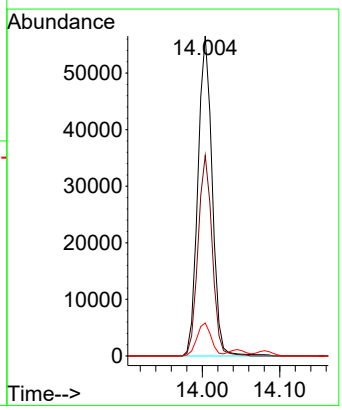


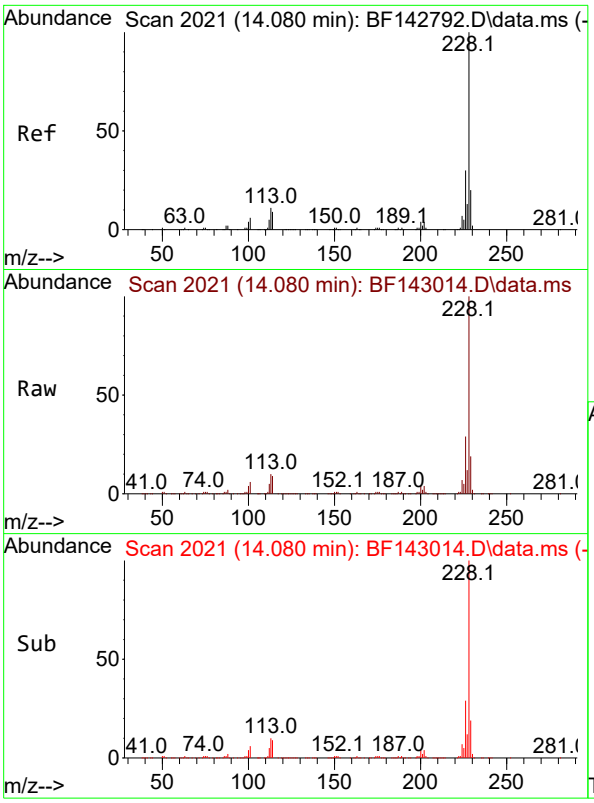




#82
3,3'-Dichlorobenzidine
Concen: 24.804 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:252 Resp: 72213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 62.6 | 51.7 | 77.5 |
| 126 | 10.3 | 9.4 | 14.2 |



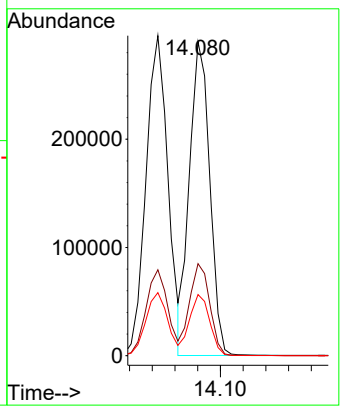


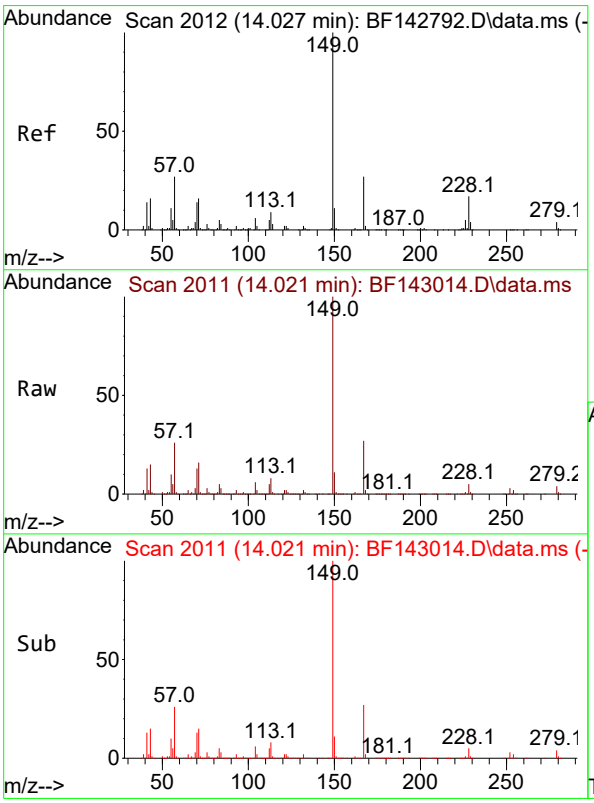

#83
Chrysene
Concen: 44.965 ng
RT: 14.080 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:228 Resp: 360135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.3 | 23.7 | 35.5 |
| 229 | 19.5 | 15.7 | 23.5 |

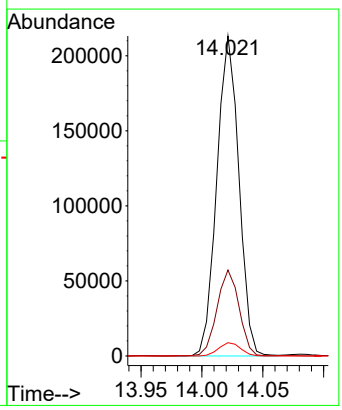


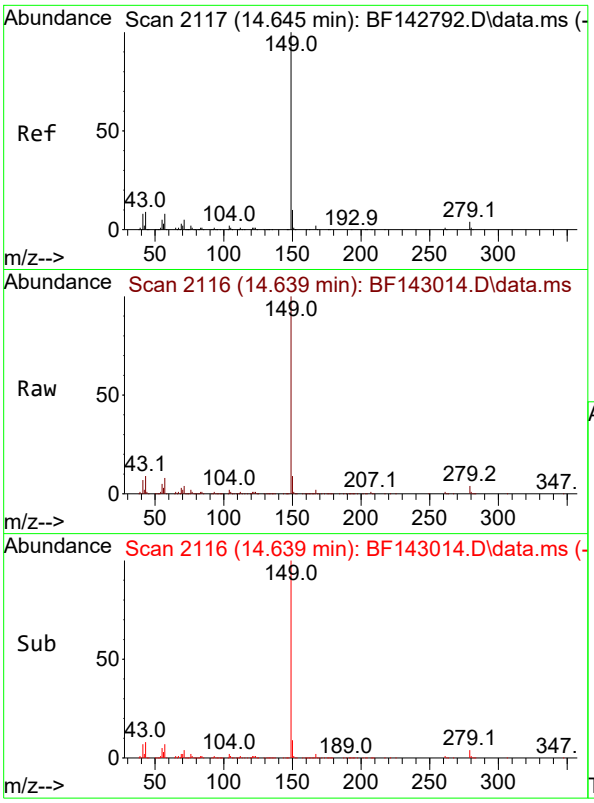




#84
Bis(2-ethylhexyl)phthalate
Concen: 51.672 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:149 Resp: 268950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.9 | 21.4 | 32.0 |
| 279 | 4.2 | 3.0 | 4.6 |



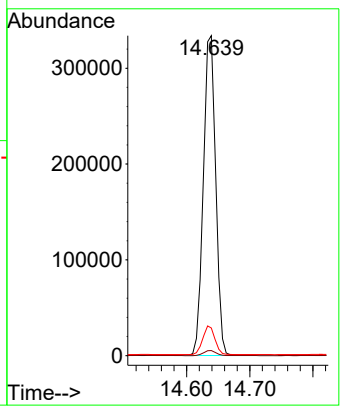


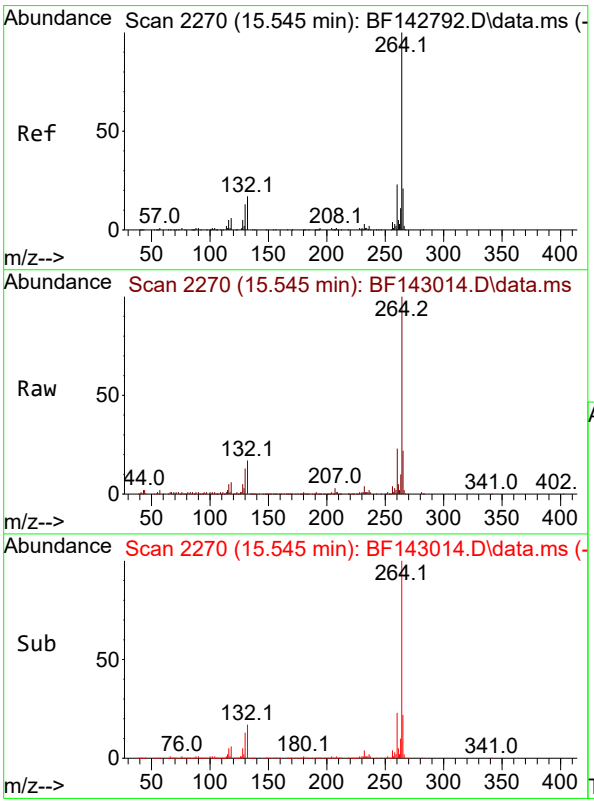

#85
Di-n-octyl phthalate
Concen: 46.192 ng
RT: 14.639 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:149 Resp: 453357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.8 | 1.3 | 1.9 |
| 43 | 8.8 | 7.6 | 11.4 |

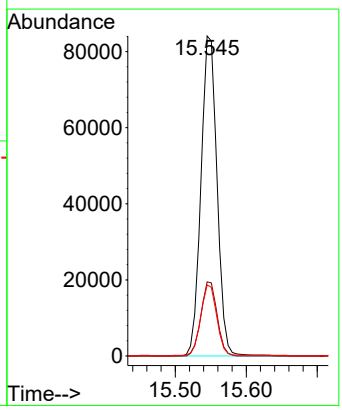


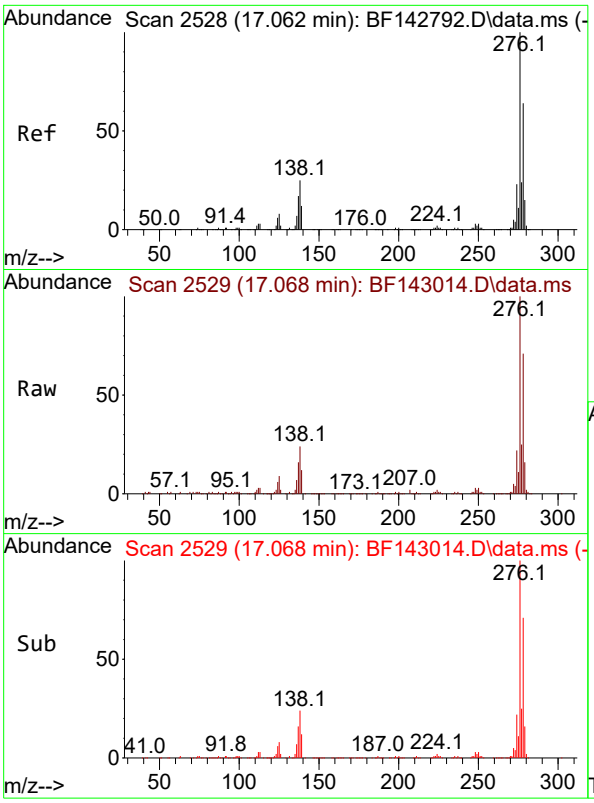




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:264 Resp: 132424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 18.1 | 27.1 |
| 265 | 22.2 | 16.6 | 25.0 |



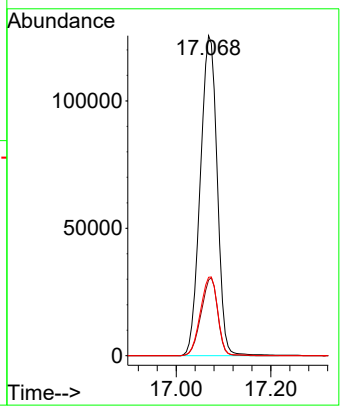


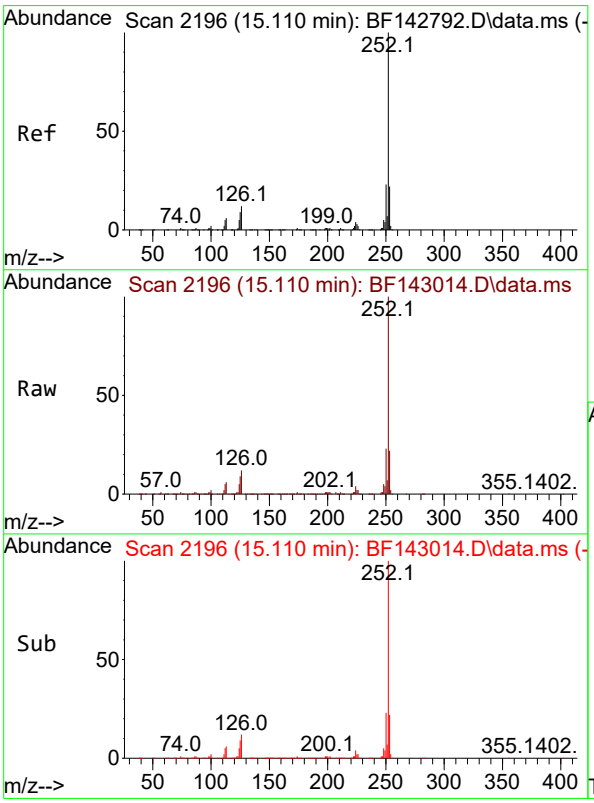

#87
Indeno(1,2,3-cd)pyrene
Concen: 30.736 ng
RT: 17.068 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:276 Resp: 310021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.8 | 20.2 | 30.4 |
| 277 | 25.2 | 19.8 | 29.6 |

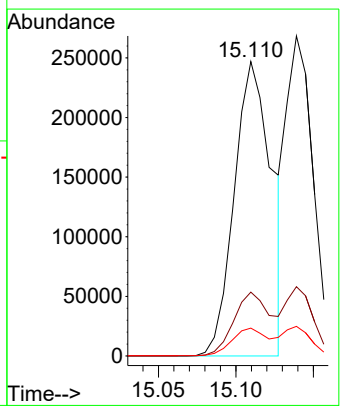


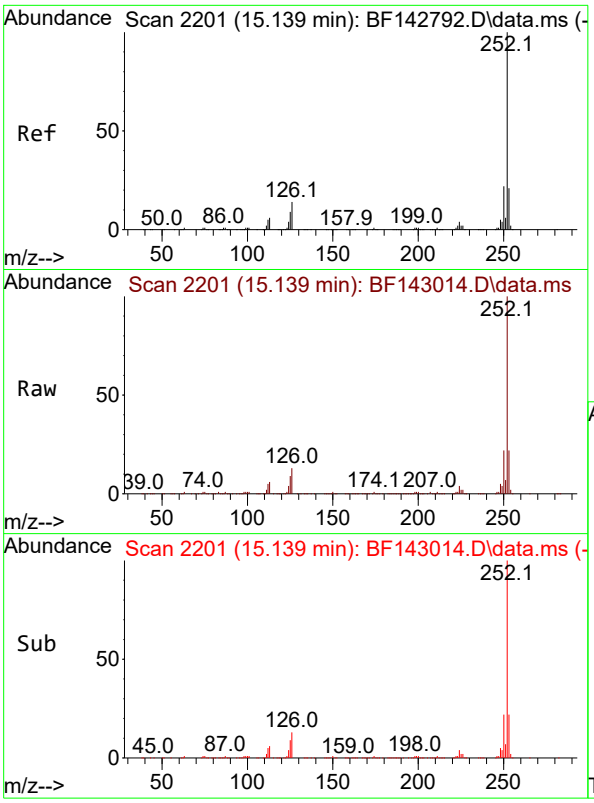




#88
Benzo(b)fluoranthene
Concen: 54.008 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:252 Resp: 413841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.5 | 26.3 |
| 125 | 9.4 | 7.4 | 11.0 |



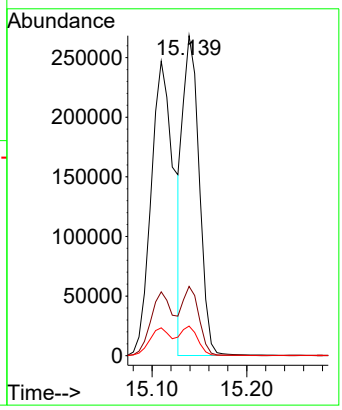


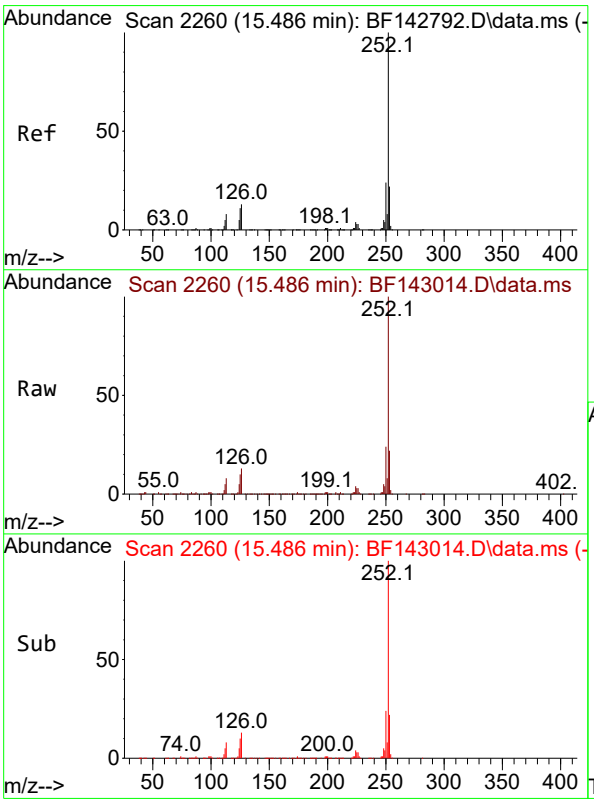

#89
Benzo(k)fluoranthene
Concen: 45.196 ng
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:252 Resp: 324007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.2 | 25.8 |
| 125 | 9.3 | 7.4 | 11.2 |

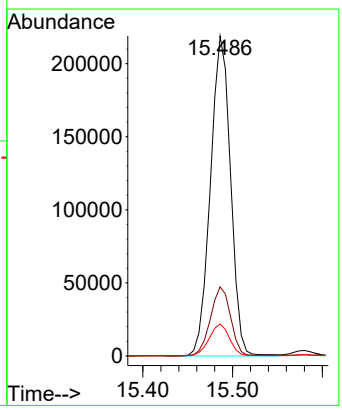


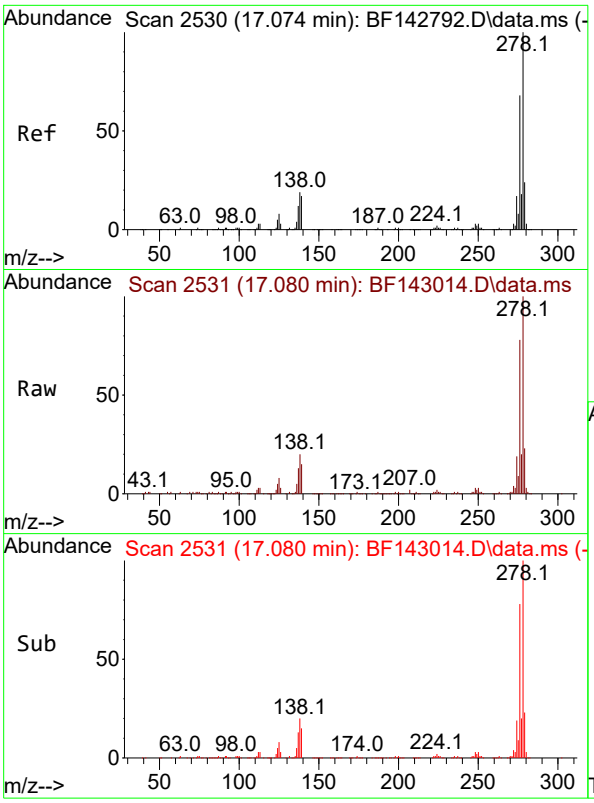




#90
Benzo(a)pyrene
Concen: 46.070 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:252 Resp: 341043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.5 | 26.3 |
| 125 | 10.0 | 8.6 | 12.8 |



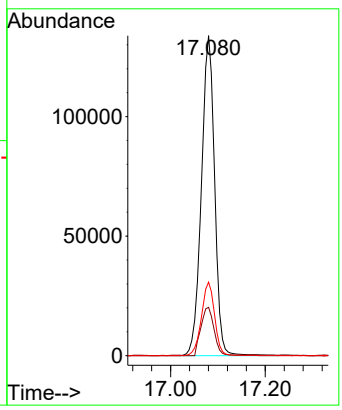


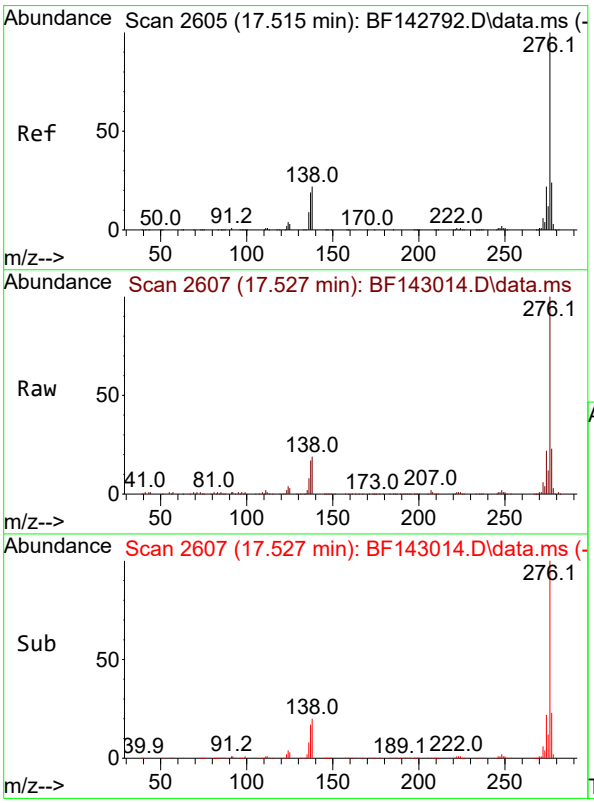

#91
Dibenzo(a,h)anthracene
Concen: 31.569 ng
RT: 17.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1MSD

Tgt Ion:278 Resp: 258728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.1 | 13.5 | 20.3 |
| 279 | 23.0 | 18.8 | 28.2 |

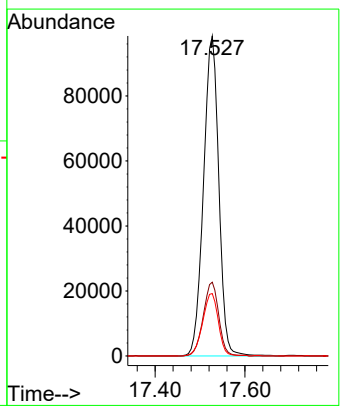



#92
Benzo(g,h,i)perylene
Concen: 28.485 ng
RT: 17.527 min Scan# 2607
Delta R.T. 0.012 min
Lab File: BF143014.D
Acq: 07 Jul 2025 17:50

Tgt Ion:276 Resp: 232785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.1 | 18.8 | 28.2 |
| 138 | 19.5 | 17.6 | 26.4 |



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# Manual Integration Report

| Sequence: | BF061925 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|

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# Manual Integration Report

| Sequence: | bf070725 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDCCC040 | BF143003.D | 2,4-Dimethylphenol | Rahul | 7/8/2025 10:38:41 AM | Jagrut | 7/8/2025 11:32:09 AM | Peak Integrated by Software |
| SSTDCCC040 | BF143003.D | Acenaphthene | Rahul | 7/8/2025 10:38:41 AM | Jagrut | 7/8/2025 11:32:09 AM | Peak Integrated by Software |
| Q2478-04MS | BF143013.D | 2,4-Dimethylphenol | Rahul | 7/8/2025 10:38:56 AM | Jagrut | 7/8/2025 11:32:25 AM | Peak Integrated by Software |
| Q2478-04MS | BF143013.D | Acenaphthene | Rahul | 7/8/2025 10:38:56 AM | Jagrut | 7/8/2025 11:32:25 AM | Peak Integrated by Software |
| Q2478-04MSD | BF143014.D | Acenaphthene | Rahul | 7/8/2025 10:38:59 AM | Jagrut | 7/8/2025 11:32:28 AM | Peak Integrated by Software |

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# Manual Integration Report

| | | | |
|---|---|---|---|
| Sequence: | bf070825 | Instrument | BNA_f |

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDCCC040 | BF143025.D | Acenaphthene | Rahul | 7/9/2025 9:40:41 AM | Jagrut | 7/9/2025 2:16:01 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | bf070925 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDCCC040 | BF143048.D | 2,4-Dimethylphenol | Rahul | 7/10/2025 10:08:16 AM | Jagrut | 7/10/2025 5:36:00 PM | Peak Integrated by Software |
| SSTDCCC040 | BF143048.D | Acenaphthene | Rahul | 7/10/2025 10:08:16 AM | Jagrut | 7/10/2025 5:36:00 PM | Peak Integrated by Software |
| PB168750BS | BF143052.D | 2,4-Dimethylphenol | Rahul | 7/10/2025 10:08:20 AM | Jagrut | 7/10/2025 5:36:05 PM | Peak Integrated by Software |
| PB168750BS | BF143052.D | Acenaphthene | Rahul | 7/10/2025 10:08:20 AM | Jagrut | 7/10/2025 5:36:05 PM | Peak Integrated by Software |
| PB168750BS | BF143052.D | Caprolactam | Rahul | 7/10/2025 10:08:20 AM | Jagrut | 7/10/2025 5:36:05 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | BM070925 | Instrument | BNA_m |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDICC010 | BM050379.D | Benzaldehyde | Rahul | 7/9/2025 9:47:39 AM | Jagrut | 7/9/2025 2:15:18 PM | Peak Integrated by Software |
| SSTDICC020 | BM050380.D | Benzaldehyde | Rahul | 7/9/2025 9:47:42 AM | Jagrut | 7/9/2025 2:15:21 PM | Peak Integrated by Software |
| SSTDICCC040 | BM050381.D | Benzaldehyde | Rahul | 7/9/2025 9:47:45 AM | Jagrut | 7/9/2025 2:15:23 PM | Peak Integrated by Software |
| SSTDICC050 | BM050382.D | Benzaldehyde | Rahul | 7/9/2025 9:47:47 AM | Jagrut | 7/9/2025 2:15:25 PM | Peak Integrated by Software |
| SSTDICV040 | BM050385.D | Benzaldehyde | Rahul | 7/9/2025 9:47:50 AM | Jagrut | 7/9/2025 2:15:28 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | BM071425 | Instrument | BNA_m |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF061925

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 6/23/2025 3:55:52 PM | | |
| Supervise By | Jagrut | Supervise On | 6/24/2025 3:17:49 PM | | |
| SubDirectory | BF061925 | HP Acquire Method | BNA_F | HP Processing Method | bf061925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12670,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF142787.D | 19 Jun 2025 16:37 | RC/JU | Ok |
| 2 | SSTDICC2.5 | BF142788.D | 19 Jun 2025 17:07 | RC/JU | Ok |
| 3 | SSTDICC005 | BF142789.D | 19 Jun 2025 17:38 | RC/JU | Ok |
| 4 | SSTDICC010 | BF142790.D | 19 Jun 2025 18:08 | RC/JU | Ok |
| 5 | SSTDICC020 | BF142791.D | 19 Jun 2025 18:39 | RC/JU | Ok |
| 6 | SSTDICCC040 | BF142792.D | 19 Jun 2025 19:09 | RC/JU | Ok |
| 7 | SSTDICC050 | BF142793.D | 19 Jun 2025 19:40 | RC/JU | Ok |
| 8 | SSTDICC060 | BF142794.D | 19 Jun 2025 20:10 | RC/JU | Ok |
| 9 | SSTDICC080 | BF142795.D | 19 Jun 2025 20:40 | RC/JU | Ok |
| 10 | SSTDICV040 | BF142796.D | 19 Jun 2025 21:10 | RC/JU | Ok |
| 11 | PB168536BL | BF142797.D | 19 Jun 2025 22:10 | RC/JU | Ok |
| 12 | PB168536BS | BF142798.D | 19 Jun 2025 22:40 | RC/JU | Ok,M |

M : Manual Integration

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF070725

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/8/2025 10:39:40 AM | | |
| Supervise By | Jagrut | Supervise On | 7/8/2025 11:33:00 AM | | |
| SubDirectory | BF070725 | HP Acquire Method | BNA_F | HP Processing Method | bf061925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12672,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF143002.D | 07 Jul 2025 11:12 | RC/JU | Ok |
| 2 | SSTDCCC040 | BF143003.D | 07 Jul 2025 12:12 | RC/JU | Ok,M |
| 3 | PB168722BL | BF143004.D | 07 Jul 2025 12:42 | RC/JU | Ok |
| 4 | Q2493-01 | BF143005.D | 07 Jul 2025 13:16 | RC/JU | Ok |
| 5 | Q2493-01MS | BF143006.D | 07 Jul 2025 13:47 | RC/JU | Ok,M |
| 6 | Q2493-01MSD | BF143007.D | 07 Jul 2025 14:17 | RC/JU | Ok,M |
| 7 | Q2487-12 | BF143008.D | 07 Jul 2025 14:47 | RC/JU | Ok |
| 8 | Q2487-10 | BF143009.D | 07 Jul 2025 15:17 | RC/JU | Ok,M |
| 9 | Q2487-14 | BF143010.D | 07 Jul 2025 15:48 | RC/JU | Ok,M |
| 10 | Q2491-01 | BF143011.D | 07 Jul 2025 16:18 | RC/JU | Ok,M |
| 11 | Q2478-04 | BF143012.D | 07 Jul 2025 16:49 | RC/JU | Ok |
| 12 | Q2478-04MS | BF143013.D | 07 Jul 2025 17:19 | RC/JU | Ok,M |
| 13 | Q2478-04MSD | BF143014.D | 07 Jul 2025 17:50 | RC/JU | Ok,M |
| 14 | Q2514-02 | BF143015.D | 07 Jul 2025 18:21 | RC/JU | Ok |
| 15 | Q2513-03 | BF143016.D | 07 Jul 2025 18:51 | RC/JU | Ok,M |
| 16 | Q2507-01 | BF143017.D | 07 Jul 2025 19:21 | RC/JU | Ok,M |
| 17 | Q2484-01 | BF143018.D | 07 Jul 2025 19:51 | RC/JU | Dilution |
| 18 | Q2473-03 | BF143019.D | 07 Jul 2025 20:21 | RC/JU | Ok,M |
| 19 | Q2473-01 | BF143020.D | 07 Jul 2025 20:51 | RC/JU | Ok,M |
| 20 | Q2484-03 | BF143021.D | 07 Jul 2025 21:22 | RC/JU | Ok,M |
| 21 | Q2473-02 | BF143022.D | 07 Jul 2025 21:52 | RC/JU | Ok,M |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF070725

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/8/2025 10:39:40 AM | | |
| Supervise By | Jagrut | Supervise On | 7/8/2025 11:33:00 AM | | |
| SubDirectory | BF070725 | HP Acquire Method | BNA_F | HP Processing Method | bf061925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12672,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q2513-01 | BF143023.D | 07 Jul 2025 22:22 | RC/JU | Ok |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF070825

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/9/2025 9:47:19 AM | | |
| Supervise By | Jagrut | Supervise On | 7/9/2025 2:16:38 PM | | |
| SubDirectory | BF070825 | HP Acquire Method | BNA_F | HP Processing Method | bf061925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12673,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF143024.D | 08 Jul 2025 10:24 | RC/JU | Ok |
| 2 | SSTDCCC040 | BF143025.D | 08 Jul 2025 10:54 | RC/JU | Ok,M |
| 3 | PB168716BL | BF143026.D | 08 Jul 2025 11:24 | RC/JU | Ok |
| 4 | PB168716BS | BF143027.D | 08 Jul 2025 11:54 | RC/JU | Ok,M |
| 5 | PB168716BSD | BF143028.D | 08 Jul 2025 12:25 | RC/JU | Ok,M |
| 6 | PB168722BS | BF143029.D | 08 Jul 2025 12:55 | RC/JU | Ok,M |
| 7 | Q2514-07 | BF143030.D | 08 Jul 2025 13:31 | RC/JU | Ok |
| 8 | Q2514-08 | BF143031.D | 08 Jul 2025 14:02 | RC/JU | Ok |
| 9 | Q2514-08MS | BF143032.D | 08 Jul 2025 14:32 | RC/JU | Ok,M |
| 10 | Q2514-08MSD | BF143033.D | 08 Jul 2025 15:03 | RC/JU | Ok,M |
| 11 | Q2515-01 | BF143034.D | 08 Jul 2025 15:34 | RC/JU | Ok |
| 12 | Q2514-09 | BF143035.D | 08 Jul 2025 16:05 | RC/JU | Ok |
| 13 | Q2514-03 | BF143036.D | 08 Jul 2025 16:36 | RC/JU | Ok |
| 14 | Q2514-01 | BF143037.D | 08 Jul 2025 17:07 | RC/JU | Ok |
| 15 | Q2514-05 | BF143038.D | 08 Jul 2025 17:37 | RC/JU | Ok,M |
| 16 | Q2489-01 | BF143039.D | 08 Jul 2025 18:08 | RC/JU | Ok |
| 17 | Q2489-02 | BF143040.D | 08 Jul 2025 18:39 | RC/JU | Ok |
| 18 | Q2493-04 | BF143041.D | 08 Jul 2025 19:10 | RC/JU | Ok |
| 19 | Q2484-01DL | BF143042.D | 08 Jul 2025 19:41 | RC/JU | Ok,M |
| 20 | Q2473-01DL | BF143043.D | 08 Jul 2025 20:12 | RC/JU | Ok,M |
| 21 | Q2514-06 | BF143044.D | 08 Jul 2025 20:42 | RC/JU | Ok |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF070825

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/9/2025 9:47:19 AM | | |
| Supervise By | Jagrut | Supervise On | 7/9/2025 2:16:38 PM | | |
| SubDirectory | BF070825 | HP Acquire Method | BNA_F | HP Processing Method | bf061925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12673,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q2514-10 | BF143045.D | 08 Jul 2025 21:12 | RC/JU | Ok,M |
| 23 | Q2514-04 | BF143046.D | 08 Jul 2025 21:42 | RC/JU | Ok,M |

M : Manual Integration

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF070925

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/9/2025 3:55:15 PM | | |
| Supervise By | Jagrut | Supervise On | 7/10/2025 5:36:41 PM | | |
| SubDirectory | BF070925 | HP Acquire Method | BNA_F | HP Processing Method | bf061925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12673,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF143047.D | 09 Jul 2025 10:22 | RC/JU | Ok |
| 2 | SSTDCCC040 | BF143048.D | 09 Jul 2025 10:52 | RC/JU | Ok,M |
| 3 | PB168737BL | BF143049.D | 09 Jul 2025 11:23 | RC/JU | Ok |
| 4 | PB168737BS | BF143050.D | 09 Jul 2025 11:54 | RC/JU | Ok,M |
| 5 | PB168750BL | BF143051.D | 09 Jul 2025 12:24 | RC/JU | Ok |
| 6 | PB168750BS | BF143052.D | 09 Jul 2025 12:54 | RC/JU | Ok,M |
| 7 | Q2489-06 | BF143053.D | 09 Jul 2025 13:27 | RC/JU | Ok |
| 8 | Q2489-07 | BF143054.D | 09 Jul 2025 13:57 | RC/JU | Ok |
| 9 | Q2489-08 | BF143055.D | 09 Jul 2025 14:28 | RC/JU | Ok |
| 10 | Q2489-03 | BF143056.D | 09 Jul 2025 14:58 | RC/JU | Ok |
| 11 | Q2489-04 | BF143057.D | 09 Jul 2025 15:28 | RC/JU | Ok |
| 12 | Q2489-05 | BF143058.D | 09 Jul 2025 15:59 | RC/JU | Ok |
| 13 | Q2517-01 | BF143059.D | 09 Jul 2025 16:29 | RC/JU | Ok |
| 14 | Q2517-01MS | BF143060.D | 09 Jul 2025 17:00 | RC/JU | Ok,M |
| 15 | Q2517-01MSD | BF143061.D | 09 Jul 2025 17:30 | RC/JU | Ok,M |
| 16 | Q2529-07 | BF143062.D | 09 Jul 2025 18:01 | RC/JU | Ok |
| 17 | Q2487-13 | BF143063.D | 09 Jul 2025 18:31 | RC/JU | Dilution |
| 18 | Q2487-09 | BF143064.D | 09 Jul 2025 19:02 | RC/JU | Ok,M |
| 19 | Q2529-06 | BF143065.D | 09 Jul 2025 19:33 | RC/JU | Ok |
| 20 | Q2527-01 | BF143066.D | 09 Jul 2025 20:04 | RC/JU | Ok,M |
| 21 | Q2487-16 | BF143067.D | 09 Jul 2025 20:34 | RC/JU | Ok,M |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF070925

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/9/2025 3:55:15 PM | | |
| Supervise By | Jagrut | Supervise On | 7/10/2025 5:36:41 PM | | |
| SubDirectory | BF070925 | HP Acquire Method | BNA_F | HP Processing Method | bf061925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12673,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q2487-11 | BF143068.D | 09 Jul 2025 21:04 | RC/JU | Ok,M |
| 23 | Q2487-15 | BF143069.D | 09 Jul 2025 21:35 | RC/JU | Ok,M |

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**Instrument ID: BNA_M**

## Daily Analysis Runlog For Sequence/QCBatch ID # BM070925

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/9/2025 9:48:51 AM | | |
| Supervise By | Jagrut | Supervise On | 7/9/2025 2:15:39 PM | | |
| SubDirectory | BM070925 | HP Acquire Method | BNA_M | HP Processing Method | bm070925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12673,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BM050376.D | 08 Jul 2025 11:59 | RC/JU | Ok |
| 2 | SSTDICC2.5 | BM050377.D | 08 Jul 2025 12:39 | RC/JU | Ok |
| 3 | SSTDICC005 | BM050378.D | 08 Jul 2025 13:19 | RC/JU | Ok |
| 4 | SSTDICC010 | BM050379.D | 08 Jul 2025 14:00 | RC/JU | Ok,M |
| 5 | SSTDICC020 | BM050380.D | 08 Jul 2025 14:40 | RC/JU | Ok,M |
| 6 | SSTDICCC040 | BM050381.D | 08 Jul 2025 15:20 | RC/JU | Ok,M |
| 7 | SSTDICC050 | BM050382.D | 08 Jul 2025 16:01 | RC/JU | Ok,M |
| 8 | SSTDICC060 | BM050383.D | 08 Jul 2025 16:41 | RC/JU | Ok |
| 9 | SSTDICC080 | BM050384.D | 08 Jul 2025 17:22 | RC/JU | Ok |
| 10 | SSTDICV040 | BM050385.D | 08 Jul 2025 18:05 | RC/JU | Ok,M |
| 11 | PB168722BL | BM050386.D | 08 Jul 2025 19:26 | RC/JU | Ok |

M : Manual Integration

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**Instrument ID: BNA_M**

## Daily Analysis Runlog For Sequence/QCBatch ID # BM071425

| | | | | | |
|---|---|---|---|---|---|
| Review By | | Review On | | | |
| Supervise By | | Supervise On | | | |
| SubDirectory | BM071425 | HP Acquire Method | BNA_M | HP Processing Method | bm070925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12673,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BM050419.D | 14 Jul 2025 09:30 | RC/JU | Ok |
| 2 | SSTDCCC040 | BM050420.D | 14 Jul 2025 10:50 | RC/JU | Ok |
| 3 | PB168813BL | BM050421.D | 14 Jul 2025 11:30 | RC/JU | Ok |
| 4 | Q2126-03 | BM050422.D | 14 Jul 2025 12:10 | RC/JU | Ok,NR |
| 5 | Q2126-03 | BM050423.D | 14 Jul 2025 12:51 | RC/JU | Ok,NR |
| 6 | Q2126-09 | BM050424.D | 14 Jul 2025 13:31 | RC/JU | Ok,NR |
| 7 | Q2126-09 | BM050425.D | 14 Jul 2025 14:12 | RC/JU | Ok,NR |
| 8 | PB168816BL | BM050426.D | 14 Jul 2025 14:52 | RC/JU | Ok |
| 9 | SSTDCCC040 | BM050427.D | 14 Jul 2025 15:32 | RC/JU | Ok,NR |
| 10 | DFTPP | BM050428.D | 14 Jul 2025 16:13 | RC/JU | Ok |
| 11 | SSTDCCC040 | BM050429.D | 14 Jul 2025 16:53 | RC/JU | Ok |
| 12 | PB168788BL | BM050430.D | 14 Jul 2025 17:34 | RC/JU | Ok |
| 13 | PB168788BS | BM050431.D | 14 Jul 2025 18:14 | RC/JU | Ok |
| 14 | PB168820BL | BM050432.D | 14 Jul 2025 18:54 | RC/JU | Ok |
| 15 | PB168820BS | BM050433.D | 14 Jul 2025 19:34 | RC/JU | Ok |
| 16 | PB168816BS | BM050434.D | 14 Jul 2025 20:14 | RC/JU | Not Ok |
| 17 | PB168816BSD | BM050435.D | 14 Jul 2025 20:55 | RC/JU | Not Ok |
| 18 | PB168728TB | BM050436.D | 14 Jul 2025 21:34 | RC/JU | Ok |
| 19 | Q2489-06 | BM050437.D | 14 Jul 2025 22:14 | RC/JU | Not Ok |
| 20 | Q2578-03 | BM050438.D | 14 Jul 2025 22:54 | RC/JU | Ok |
| 21 | Q2578-07 | BM050439.D | 14 Jul 2025 23:34 | RC/JU | Ok |

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**Instrument ID: BNA_M**

## Daily Analysis Runlog For Sequence/QCBatch ID # BM071425

| | | | | | |
|---|---|---|---|---|---|
| Review By | | Review On | | | |
| Supervise By | | Supervise On | | | |
| SubDirectory | BM071425 | HP Acquire Method | BNA_M | HP Processing Method | bm070925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12673,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q2578-11 | BM050440.D | 15 Jul 2025 00:13 | RC/JU | Ok |
| 23 | Q2553-05 | BM050441.D | 15 Jul 2025 00:53 | RC/JU | Ok |
| 24 | Q2519-04 | BM050442.D | 15 Jul 2025 01:33 | RC/JU | Ok |
| 25 | Q2489-04 | BM050443.D | 15 Jul 2025 02:12 | RC/JU | Not Ok |
| 26 | Q2559-01 | BM050444.D | 15 Jul 2025 02:52 | RC/JU | Ok |
| 27 | Q2565-05 | BM050445.D | 15 Jul 2025 03:31 | RC/JU | ReRun |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF061925

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 6/23/2025 3:55:52 PM | | |
| Supervise By | Jagrut | Supervise On | 6/24/2025 3:17:49 PM | | |
| SubDirectory | BF061925 | HP Acquire Method | BNA_F | HP Processing Method | bf061925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12670,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF142787.D | 19 Jun 2025 16:37 | | RC/JU | Ok |
| 2 | SSTDICC2.5 | SSTDICC2.5 | BF142788.D | 19 Jun 2025 17:07 | | RC/JU | Ok |
| 3 | SSTDICC005 | SSTDICC005 | BF142789.D | 19 Jun 2025 17:38 | | RC/JU | Ok |
| 4 | SSTDICC010 | SSTDICC010 | BF142790.D | 19 Jun 2025 18:08 | | RC/JU | Ok |
| 5 | SSTDICC020 | SSTDICC020 | BF142791.D | 19 Jun 2025 18:39 | | RC/JU | Ok |
| 6 | SSTDICCC040 | SSTDICCC040 | BF142792.D | 19 Jun 2025 19:09 | | RC/JU | Ok |
| 7 | SSTDICC050 | SSTDICC050 | BF142793.D | 19 Jun 2025 19:40 | | RC/JU | Ok |
| 8 | SSTDICC060 | SSTDICC060 | BF142794.D | 19 Jun 2025 20:10 | | RC/JU | Ok |
| 9 | SSTDICC080 | SSTDICC080 | BF142795.D | 19 Jun 2025 20:40 | Compound #09 removed from 80 PPM. | RC/JU | Ok |
| 10 | SSTDICV040 | ICVBF061925 | BF142796.D | 19 Jun 2025 21:10 | | RC/JU | Ok |
| 11 | PB168536BL | PB168536BL | BF142797.D | 19 Jun 2025 22:10 | | RC/JU | Ok |
| 12 | PB168536BS | PB168536BS | BF142798.D | 19 Jun 2025 22:40 | | RC/JU | Ok,M |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF070725

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/8/2025 10:39:40 AM | | |
| Supervise By | Jagrut | Supervise On | 7/8/2025 11:33:00 AM | | |
| SubDirectory | BF070725 | HP Acquire Method | BNA_F | HP Processing Method | bf061925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12672,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF143002.D | 07 Jul 2025 11:12 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BF143003.D | 07 Jul 2025 12:12 | | RC/JU | Ok,M |
| 3 | PB168722BL | PB168722BL | BF143004.D | 07 Jul 2025 12:42 | | RC/JU | Ok |
| 4 | Q2493-01 | WC-11 | BF143005.D | 07 Jul 2025 13:16 | | RC/JU | Ok |
| 5 | Q2493-01MS | WC-11MS | BF143006.D | 07 Jul 2025 13:47 | | RC/JU | Ok,M |
| 6 | Q2493-01MSD | WC-11MSD | BF143007.D | 07 Jul 2025 14:17 | | RC/JU | Ok,M |
| 7 | Q2487-12 | G3(6-12) | BF143008.D | 07 Jul 2025 14:47 | | RC/JU | Ok |
| 8 | Q2487-10 | G4(6-12) | BF143009.D | 07 Jul 2025 15:17 | | RC/JU | Ok,M |
| 9 | Q2487-14 | G2(6-12) | BF143010.D | 07 Jul 2025 15:48 | | RC/JU | Ok,M |
| 10 | Q2491-01 | EO-1-070225 | BF143011.D | 07 Jul 2025 16:18 | | RC/JU | Ok,M |
| 11 | Q2478-04 | WC-1 | BF143012.D | 07 Jul 2025 16:49 | | RC/JU | Ok |
| 12 | Q2478-04MS | WC-1MS | BF143013.D | 07 Jul 2025 17:19 | | RC/JU | Ok,M |
| 13 | Q2478-04MSD | WC-1MSD | BF143014.D | 07 Jul 2025 17:50 | | RC/JU | Ok,M |
| 14 | Q2514-02 | TP-93 | BF143015.D | 07 Jul 2025 18:21 | | RC/JU | Ok |
| 15 | Q2513-03 | HR-3-070325 | BF143016.D | 07 Jul 2025 18:51 | | RC/JU | Ok,M |
| 16 | Q2507-01 | SU-04-07032025 | BF143017.D | 07 Jul 2025 19:21 | | RC/JU | Ok,M |
| 17 | Q2484-01 | TP-58 | BF143018.D | 07 Jul 2025 19:51 | Need 5X Dilution | RC/JU | Dilution |
| 18 | Q2473-03 | PIT#3 | BF143019.D | 07 Jul 2025 20:21 | | RC/JU | Ok,M |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF070725

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/8/2025 10:39:40 AM | | |
| Supervise By | Jagrut | Supervise On | 7/8/2025 11:33:00 AM | | |
| SubDirectory | BF070725 | HP Acquire Method | BNA_F | HP Processing Method | bf061925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12672,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q2473-01 | PIT#1 | BF143020.D | 07 Jul 2025 20:51 | need DL 10X | RC/JU | Ok,M |
| 20 | Q2484-03 | TP-64 | BF143021.D | 07 Jul 2025 21:22 | | RC/JU | Ok,M |
| 21 | Q2473-02 | PIT#2 | BF143022.D | 07 Jul 2025 21:52 | | RC/JU | Ok,M |
| 22 | Q2513-01 | HR-2-070325 | BF143023.D | 07 Jul 2025 22:22 | | RC/JU | Ok |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF070825

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/9/2025 9:47:19 AM | | |
| Supervise By | Jagrut | Supervise On | 7/9/2025 2:16:38 PM | | |
| SubDirectory | BF070825 | HP Acquire Method | BNA_F | HP Processing Method | bf061925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12673,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF143024.D | 08 Jul 2025 10:24 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BF143025.D | 08 Jul 2025 10:54 | | RC/JU | Ok,M |
| 3 | PB168716BL | PB168716BL | BF143026.D | 08 Jul 2025 11:24 | | RC/JU | Ok |
| 4 | PB168716BS | PB168716BS | BF143027.D | 08 Jul 2025 11:54 | | RC/JU | Ok,M |
| 5 | PB168716BSD | PB168716BSD | BF143028.D | 08 Jul 2025 12:25 | | RC/JU | Ok,M |
| 6 | PB168722BS | PB168722BS | BF143029.D | 08 Jul 2025 12:55 | | RC/JU | Ok,M |
| 7 | Q2514-07 | TP-36 | BF143030.D | 08 Jul 2025 13:31 | | RC/JU | Ok |
| 8 | Q2514-08 | TP-78 | BF143031.D | 08 Jul 2025 14:02 | | RC/JU | Ok |
| 9 | Q2514-08MS | TP-78MS | BF143032.D | 08 Jul 2025 14:32 | | RC/JU | Ok,M |
| 10 | Q2514-08MSD | TP-78MSD | BF143033.D | 08 Jul 2025 15:03 | | RC/JU | Ok,M |
| 11 | Q2515-01 | WC-1 | BF143034.D | 08 Jul 2025 15:34 | | RC/JU | Ok |
| 12 | Q2514-09 | TP-81 | BF143035.D | 08 Jul 2025 16:05 | | RC/JU | Ok |
| 13 | Q2514-03 | TP-94 | BF143036.D | 08 Jul 2025 16:36 | | RC/JU | Ok |
| 14 | Q2514-01 | TP-92 | BF143037.D | 08 Jul 2025 17:07 | | RC/JU | Ok |
| 15 | Q2514-05 | TP-97 | BF143038.D | 08 Jul 2025 17:37 | | RC/JU | Ok,M |
| 16 | Q2489-01 | G4(0-6) | BF143039.D | 08 Jul 2025 18:08 | | RC/JU | Ok |
| 17 | Q2489-02 | G4(6-12) | BF143040.D | 08 Jul 2025 18:39 | | RC/JU | Ok |
| 18 | Q2493-04 | WC-11 | BF143041.D | 08 Jul 2025 19:10 | | RC/JU | Ok |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF070825

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/9/2025 9:47:19 AM | | |
| Supervise By | Jagrut | Supervise On | 7/9/2025 2:16:38 PM | | |
| SubDirectory | BF070825 | HP Acquire Method | BNA_F | HP Processing Method | bf061925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12673,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q2484-01DL | TP-58DL | BF143042.D | 08 Jul 2025 19:41 | | RC/JU | Ok,M |
| 20 | Q2473-01DL | PIT#1DL | BF143043.D | 08 Jul 2025 20:12 | | RC/JU | Ok,M |
| 21 | Q2514-06 | TP-103 | BF143044.D | 08 Jul 2025 20:42 | | RC/JU | Ok |
| 22 | Q2514-10 | TP-90 | BF143045.D | 08 Jul 2025 21:12 | | RC/JU | Ok,M |
| 23 | Q2514-04 | TP-96 | BF143046.D | 08 Jul 2025 21:42 | | RC/JU | Ok,M |

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 # BF070925

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/9/2025 3:55:15 PM | | |
| Supervise By | Jagrut | Supervise On | 7/10/2025 5:36:41 PM | | |
| SubDirectory | BF070925 | HP Acquire Method | BNA_F | HP Processing Method | bf061925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12673,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF143047.D | 09 Jul 2025 10:22 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BF143048.D | 09 Jul 2025 10:52 | | RC/JU | Ok,M |
| 3 | PB168737BL | PB168737BL | BF143049.D | 09 Jul 2025 11:23 | | RC/JU | Ok |
| 4 | PB168737BS | PB168737BS | BF143050.D | 09 Jul 2025 11:54 | | RC/JU | Ok,M |
| 5 | PB168750BL | PB168750BL | BF143051.D | 09 Jul 2025 12:24 | | RC/JU | Ok |
| 6 | PB168750BS | PB168750BS | BF143052.D | 09 Jul 2025 12:54 | | RC/JU | Ok,M |
| 7 | Q2489-06 | G2(6-12) | BF143053.D | 09 Jul 2025 13:27 | | RC/JU | Ok |
| 8 | Q2489-07 | G1(0-6) | BF143054.D | 09 Jul 2025 13:57 | | RC/JU | Ok |
| 9 | Q2489-08 | G1(6-12) | BF143055.D | 09 Jul 2025 14:28 | | RC/JU | Ok |
| 10 | Q2489-03 | G3(0-6) | BF143056.D | 09 Jul 2025 14:58 | | RC/JU | Ok |
| 11 | Q2489-04 | G3(6-12) | BF143057.D | 09 Jul 2025 15:28 | | RC/JU | Ok |
| 12 | Q2489-05 | G2(0-6) | BF143058.D | 09 Jul 2025 15:59 | | RC/JU | Ok |
| 13 | Q2517-01 | TP-14 | BF143059.D | 09 Jul 2025 16:29 | | RC/JU | Ok |
| 14 | Q2517-01MS | TP-14MS | BF143060.D | 09 Jul 2025 17:00 | | RC/JU | Ok,M |
| 15 | Q2517-01MSD | TP-14MSD | BF143061.D | 09 Jul 2025 17:30 | | RC/JU | Ok,M |
| 16 | Q2529-07 | TP-101 | BF143062.D | 09 Jul 2025 18:01 | | RC/JU | Ok |
| 17 | Q2487-13 | G2(0-6) | BF143063.D | 09 Jul 2025 18:31 | Need further 2X Dilution | RC/JU | Dilution |
| 18 | Q2487-09 | G4(0-6) | BF143064.D | 09 Jul 2025 19:02 | | RC/JU | Ok,M |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF070925

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/9/2025 3:55:15 PM | | |
| Supervise By | Jagrut | Supervise On | 7/10/2025 5:36:41 PM | | |
| SubDirectory | BF070925 | HP Acquire Method | BNA_F | HP Processing Method | bf061925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12673,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q2529-06 | TP-102 | BF143065.D | 09 Jul 2025 19:33 | | RC/JU | Ok |
| 20 | Q2527-01 | AR520-0015 | BF143066.D | 09 Jul 2025 20:04 | Internal standard fail | RC/JU | Ok,M |
| 21 | Q2487-16 | G1(6-12) | BF143067.D | 09 Jul 2025 20:34 | Internal standard fail | RC/JU | Ok,M |
| 22 | Q2487-11 | G3(0-6) | BF143068.D | 09 Jul 2025 21:04 | Internal standard fail | RC/JU | Ok,M |
| 23 | Q2487-15 | G1(0-6) | BF143069.D | 09 Jul 2025 21:35 | Internal standard fail | RC/JU | Ok,M |

M : Manual Integration

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**Instrument ID:** BNA_M

## Daily Analysis Runlog For Sequence/QCBatch ID # BM070925

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/9/2025 9:48:51 AM | | |
| Supervise By | Jagrut | Supervise On | 7/9/2025 2:15:39 PM | | |
| SubDirectory | BM070925 | HP Acquire Method | BNA_M | HP Processing Method | bm070925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12673,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BM050376.D | 08 Jul 2025 11:59 | | RC/JU | Ok |
| 2 | SSTDICC2.5 | SSTDICC2.5 | BM050377.D | 08 Jul 2025 12:39 | | RC/JU | Ok |
| 3 | SSTDICC005 | SSTDICC005 | BM050378.D | 08 Jul 2025 13:19 | | RC/JU | Ok |
| 4 | SSTDICC010 | SSTDICC010 | BM050379.D | 08 Jul 2025 14:00 | | RC/JU | Ok,M |
| 5 | SSTDICC020 | SSTDICC020 | BM050380.D | 08 Jul 2025 14:40 | | RC/JU | Ok,M |
| 6 | SSTDICCC040 | SSTDICCC040 | BM050381.D | 08 Jul 2025 15:20 | Compound#32,54,57,62,65 Kept on LR | RC/JU | Ok,M |
| 7 | SSTDICC050 | SSTDICC050 | BM050382.D | 08 Jul 2025 16:01 | | RC/JU | Ok,M |
| 8 | SSTDICC060 | SSTDICC060 | BM050383.D | 08 Jul 2025 16:41 | | RC/JU | Ok |
| 9 | SSTDICC080 | SSTDICC080 | BM050384.D | 08 Jul 2025 17:22 | Compound#09 removed from 80 ppm | RC/JU | Ok |
| 10 | SSTDICV040 | ICVBM070925 | BM050385.D | 08 Jul 2025 18:05 | Comp#77 Failed from High side | RC/JU | Ok,M |
| 11 | PB168722BL | PB168722BL | BM050386.D | 08 Jul 2025 19:26 | | RC/JU | Ok |

M : Manual Integration

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**Instrument ID:** BNA_M

## Daily Analysis Runlog For Sequence/QCBatch ID # BM071425

| | | | | | |
|---|---|---|---|---|---|
| Review By | | Review On | | | |
| Supervise By | | Supervise On | | | |
| SubDirectory | BM071425 | HP Acquire Method | BNA_M | HP Processing Method | bm070925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12673,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BM050419.D | 14 Jul 2025 09:30 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BM050420.D | 14 Jul 2025 10:50 | | RC/JU | Ok |
| 3 | PB168813BL | PB168813BL | BM050421.D | 14 Jul 2025 11:30 | | RC/JU | Ok |
| 4 | Q2126-03 | MDL-SOIL-03-QT2-202 | BM050422.D | 14 Jul 2025 12:10 | MDL-SOIL 4 ppm | RC/JU | Ok,NR |
| 5 | Q2126-03 | MDL-SOIL-03-QT2-202 | BM050423.D | 14 Jul 2025 12:51 | MDL-SOIL 8 ppm | RC/JU | Ok,NR |
| 6 | Q2126-09 | MDL-WATER-03-QT2-2 | BM050424.D | 14 Jul 2025 13:31 | MDL-WATER 4 ppm | RC/JU | Ok,NR |
| 7 | Q2126-09 | MDL-WATER-03-QT2-2 | BM050425.D | 14 Jul 2025 14:12 | MDL-WATER 8 ppm | RC/JU | Ok,NR |
| 8 | PB168816BL | PB168816BL | BM050426.D | 14 Jul 2025 14:52 | | RC/JU | Ok |
| 9 | SSTDCCC040 | SSTDCCC040EC | BM050427.D | 14 Jul 2025 15:32 | CCC fail low side for com. #77 | RC/JU | Ok,NR |
| 10 | DFTPP | DFTPP | BM050428.D | 14 Jul 2025 16:13 | | RC/JU | Ok |
| 11 | SSTDCCC040 | SSTDCCC040 | BM050429.D | 14 Jul 2025 16:53 | CCC fail low side for com. #77 | RC/JU | Ok |
| 12 | PB168788BL | PB168788BL | BM050430.D | 14 Jul 2025 17:34 | | RC/JU | Ok |
| 13 | PB168788BS | PB168788BS | BM050431.D | 14 Jul 2025 18:14 | | RC/JU | Ok |
| 14 | PB168820BL | PB168820BL | BM050432.D | 14 Jul 2025 18:54 | | RC/JU | Ok |
| 15 | PB168820BS | PB168820BS | BM050433.D | 14 Jul 2025 19:34 | | RC/JU | Ok |
| 16 | PB168816BS | PB168816BS | BM050434.D | 14 Jul 2025 20:14 | End CCC Missing | RC/JU | Not Ok |
| 17 | PB168816BSD | PB168816BSD | BM050435.D | 14 Jul 2025 20:55 | End CCC Missing | RC/JU | Not Ok |
| 18 | PB168728TB | PB168728TB | BM050436.D | 14 Jul 2025 21:34 | | RC/JU | Ok |

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**Instrument ID:** BNA_M

## Daily Analysis Runlog For Sequence/QCBatch ID # BM071425

| | | | | | |
|---|---|---|---|---|---|
| Review By | | Review On | | | |
| Supervise By | | Supervise On | | | |
| SubDirectory | BM071425 | HP Acquire Method | BNA_M | HP Processing Method | bm070925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12673,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q2489-06 | G2(6-12) | BM050437.D | 14 Jul 2025 22:14 | Internal standard not spiked | RC/JU | Not Ok |
| 20 | Q2578-03 | WC-A5-01-C | BM050438.D | 14 Jul 2025 22:54 | | RC/JU | Ok |
| 21 | Q2578-07 | WC-A2-09-C | BM050439.D | 14 Jul 2025 23:34 | | RC/JU | Ok |
| 22 | Q2578-11 | WC-A2-10-C | BM050440.D | 15 Jul 2025 00:13 | | RC/JU | Ok |
| 23 | Q2553-05 | FB | BM050441.D | 15 Jul 2025 00:53 | | RC/JU | Ok |
| 24 | Q2519-04 | TP-15 | BM050442.D | 15 Jul 2025 01:33 | | RC/JU | Ok |
| 25 | Q2489-04 | G3(6-12) | BM050443.D | 15 Jul 2025 02:12 | Internal standard not spiked | RC/JU | Not Ok |
| 26 | Q2559-01 | 500-3B CONCRETE CH | BM050444.D | 15 Jul 2025 02:52 | | RC/JU | Ok |
| 27 | Q2565-05 | MOO-25-0180 | BM050445.D | 15 Jul 2025 03:31 | Internal standard fail | RC/JU | ReRun |

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Alliance TECHNICAL GROUP

**TCLP EXTRACTION LOGPAGE**

PB168728

**SOP ID :** M1311-TCLP-16

**SDG No :** N/A

**Weigh By :** JP

**Balance ID :** WC SC-7

**pH Meter ID :** WC PH METER-1

**Extraction By :** JP

**Filter By :** JP

**Pippete ID :** WC

**Tumbler ID :** T-1

**TCLP Filter ID :** 115525

**Start Prep Date :** 07/03/2025 **Time :** 15:00

**End Prep Date :** 07/04/2025 **Time :** 08:20

**Combination Ratio :** 20

**ZHE Cleaning Batch :** ~~N/A~~ 10

**Initial Room Temperature:** 24 °C

**Final Room Temperature:** 22 °C

**TCLP Technician Signature :** JP

**Supervisor By :** 12

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| 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 |

| Chemical Used | ML/SAMPLE U | Lot Number |
|---|---|---|
| TCLP-FLUID-1 | N/A | WP112795 |
| HCL-TCLP,1N | N/A | WP112797 |
| HNO3-TCLP,1N | N/A | WP112799 |
| pH Strips | N/A | W1931,W1934,W3171,W3172 |
| pH Strips | W1940,W1941,W1942 | W3166,W1938,W1939, |
| 1 Liter Amber | N/A | 90924-08 |
| 120ml Plastic bottle | N/A | 2738 |
| 1:1 HNO3 | N/A | MP84041 |

**Extraction Conformance/Non-Conformance Comments:**

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 checked,30 rpm. q2489-08 is used for MS-MSD.

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 07/07/25 11:00 | JP Tech Room | SKG. RJ IGH |
| | Preparation Group | Analysis Group Inst Mig. |

Alliance TECHNICAL GROUP

## TCLP EXTRACTION LOGPAGE

PB168728

| Sample ID | ClientID | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| PB168728TB | LEB728 | 09 | N/A | 2000 | N/A | N/A | N/A | 4.93 | 1.0 | T-1 |
| Q2489-01 | G4(0-6) | 01 | 100.02 | 2000 | N/A | N/A | N/A | 6.0 | 1.0 | T-1 |
| Q2489-02 | G4(6-12) | 02 | 100.03 | 2000 | N/A | N/A | N/A | 6.2 | 1.5 | T-1 |
| Q2489-03 | G3(0-6) | 03 | 100.02 | 2000 | N/A | N/A | N/A | 6.0 | 1.0 | T-1 |
| Q2489-04 | G3(6-12) | 04 | 100.03 | 2000 | N/A | N/A | N/A | 6.2 | 1.5 | T-1 |
| Q2489-05 | G2(0-6) | 05 | 100.04 | 2000 | N/A | N/A | N/A | 7.6 | 1.0 | T-1 |
| Q2489-06 | G2(6-12) | 06 | 100.03 | 2000 | N/A | N/A | N/A | 6.0 | 1.5 | T-1 |
| Q2489-07 | G1(0-6) | 07 | 100.02 | 2000 | N/A | N/A | N/A | 7.6 | 1.0 | T-1 |
| Q2489-08 | G1(6-12) | 08 | 100.01 | 2000 | N/A | N/A | N/A | 6.0 | 1.5 | T-1 |

Alliance TECHNICAL GROUP

**TCLP Solid Determination**

PB168728

| SampleID | ClientID | Sample Weight (g) | Filter Weight (g) | Filtrate (mL) | Filter + Solid (After 100°C) | % solids | % Dry Solids |
|---|---|---|---|---|---|---|---|
| PB168728TB | LEB728 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2489-01 | G4(0-6) | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2489-02 | G4(6-12) | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2489-03 | G3(0-6) | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2489-04 | G3(6-12) | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2489-05 | G2(0-6) | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2489-06 | G2(6-12) | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2489-07 | G1(0-6) | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2489-08 | G1(6-12) | N/A | N/A | N/A | N/A | 100 | N/A |

Alliance TECHNICAL GROUP

**TCLP Fluid Determination**

PB168728

**Hot Block ID :** WC S-1 / WC S-2

**Thermometer ID :** FLASHPOINT

| SampleID | ClientID | Sample Weight (g) | Volume DI Water (mL) | PH after 5 min stir | PH after 10 min stir | Extraction Fluid 1 or 2 | pH Extraction Fluid |
|---|---|---|---|---|---|---|---|
| PB168728TB | LEB728 | N/A | N/A | N/A | N/A | #1 | 4.93 |
| Q2489-01 | G4(0-6) | 5.02 | 96.5 | 7.6 | 2.5 | #1 | 4.93 |
| Q2489-02 | G4(6-12) | 5.01 | 96.5 | 8.0 | 3.0 | #1 | 4.93 |
| Q2489-03 | G3(0-6) | 5.02 | 96.5 | 8.0 | 3.0 | #1 | 4.93 |
| Q2489-04 | G3(6-12) | 5.03 | 96.5 | 8.0 | 3.0 | #1 | 4.93 |
| Q2489-05 | G2(0-6) | 5.04 | 96.5 | 9.0 | 3.5 | #1 | 4.93 |
| Q2489-06 | G2(6-12) | 5.03 | 96.5 | 8.0 | 3.0 | #1 | 4.93 |
| Q2489-07 | G1(0-6) | 5.02 | 96.5 | 9.2 | 3.5 | #1 | 4.93 |
| Q2489-08 | G1(6-12) | 5.01 | 96.5 | 8.6 | 3.0 | #1 | 4.93 |

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** tclp q2487 **WorkList ID :** 190546 **Department :** TCLP Extraction **Date :** 07-03-2025 11:48:36

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q2489-01 | G4(0-6) | Solid | TCLP Extraction | Cool 4 deg C | WALS01 | | 07/01/2025 | 1311 |
| Q2489-02 | G4(6-12) | Solid | TCLP Extraction | Cool 4 deg C | WALS01 | | 07/01/2025 | 1311 |
| Q2489-03 | G3(0-6) | Solid | TCLP Extraction | Cool 4 deg C | WALS01 | | 07/01/2025 | 1311 |
| Q2489-04 | G3(6-12) | Solid | TCLP Extraction | Cool 4 deg C | WALS01 | | 07/01/2025 | 1311 |
| Q2489-05 | G2(0-6) | Solid | TCLP Extraction | Cool 4 deg C | WALS01 | | 07/01/2025 | 1311 |
| Q2489-06 | G2(6-12) | Solid | TCLP Extraction | Cool 4 deg C | WALS01 | | 07/01/2025 | 1311 |
| Q2489-07 | G1(0-6) | Solid | TCLP Extraction | Cool 4 deg C | WALS01 | | 07/01/2025 | 1311 |
| Q2489-08 | G1(6-12) | Solid | TCLP Extraction | Cool 4 deg C | WALS01 | | 07/01/2025 | 1311 |

**Date/Time** 07/03/25 12:30
**Raw Sample Received by:** SR Cooke
**Raw Sample Relinquished by:** JD (SM)

**Date/Time** 07/03/25 17:30
**Raw Sample Received by:** JD (SM)
**Raw Sample Relinquished by:** SR Cooke

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB168750

| | | | | | |
|---|---|---|---|---|---|
| **SOP ID:** | M3510C,3580A-Extraction SVOC-21 | | | | |
| **Clean Up SOP #:** | N/A | | | **Extraction Start Date :** | 07/07/2025 |
| **Matrix :** | Water | | | **Extraction Start Time :** | 11:15 |
| **Weigh By:** | N/A | **Extraction By:** | RS | **Extraction End Date :** | 07/07/2025 |
| **Balance check:** | N/A | **Filter By:** | RJ | **Extraction End Time :** | 16:15 |
| **Balance ID:** | N/A | **pH Meter ID:** | N/A | **Concentration By:** | EH |
| **pH Strip Lot#:** | E3880 | **Hood ID:** | 4,5,6,7 | **Supervisor By :** | RUPESH |

**Extraction Method:** [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Spike Sol 1 | 1.0ML | 50/100 PPM | SP6849 |
| Surrogate | 1.0ML | 100/150 PPM | SP6852 |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| Methylene Chloride | N/A | E3943 |
| Baked Na2SO4 | N/A | EP2624 |
| H2SO4 1:1 | N/A | EP2610 |
| 10N NaoH | N/A | EP2609 |
| 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:**

pH Adjusted to < 2 with 1:1 H2SO4 & >12 with 10N NaOH , 1.5ML Vial Lot # 2210443.

| | | | |
|---|---|---|---|
| **KD Bath ID:** | WATER BATH-1,2 | **Envap ID:** | NE VAP-02 |
| **KD Bath Temperature:** | 60 °C | **Envap Temperature:** | 40 °C |

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 7/7/25 | RS (Ext lab) | Rc/SVOC |
| 16:20 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB168750**

**Analytical Method:** M3510C,3580A-Extraction SVOC-21

**Concentration Date:** 07/07/2025

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB168689TB | PB168689TB | TCLP BNA | 100 | 6 | RUPESH | Evelyn | 1 | | | SEP-1 |
| PB168728TB | PB168728TB | TCLP BNA | 100 | 6 | RUPESH | Evelyn | 1 | | | 2 |
| PB168750BL | PB168750BL | TCLP BNA | 1000 | 6 | RUPESH | Evelyn | 1 | | | 3 |
| PB168750BS | PB168750BS | TCLP BNA | 1000 | 6 | RUPESH | Evelyn | 1 | | | 4 |
| Q2478-04 | WC-1 | TCLP BNA | 100 | 6 | RUPESH | Evelyn | 1 | A | | 5 |
| Q2478-04MS | WC-1MS | TCLP BNA | 100 | 6 | RUPESH | Evelyn | 1 | A | | 6 |
| Q2478-04MSD | WC-1MSD | TCLP BNA | 100 | 6 | RUPESH | Evelyn | 1 | A | | 7 |
| Q2489-01 | G4(0-6) | TCLP BNA | 100 | 6 | RUPESH | Evelyn | 1 | A | | 8 |
| Q2489-02 | G4(6-12) | TCLP BNA | 100 | 6 | RUPESH | Evelyn | 1 | A | | 9 |
| Q2489-03 | G3(0-6) | TCLP BNA | 100 | 6 | RUPESH | Evelyn | 1 | A | | 10 |
| Q2489-04 | G3(6-12) | TCLP BNA | 100 | 6 | RUPESH | Evelyn | 1 | A | | 11 |
| Q2489-05 | G2(0-6) | TCLP BNA | 100 | 6 | RUPESH | Evelyn | 1 | A | | 12 |
| Q2489-06 | G2(6-12) | TCLP BNA | 100 | 6 | RUPESH | Evelyn | 1 | A | | 13 |
| Q2489-07 | G1(0-6) | TCLP BNA | 100 | 6 | RUPESH | Evelyn | 1 | A | | 14 |
| Q2489-08 | G1(6-12) | TCLP BNA | 100 | 6 | RUPESH | Evelyn | 1 | A | | 15 |
| Q2493-04 | WC-11 | TCLP BNA | 100 | 6 | RUPESH | Evelyn | 1 | A | | 16 |

RS
7/7

* **Extracts relinguished on the same date as received.**

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168728

| Sample ID | ClientID | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| PB168728TB | LEB728 | 09 | N/A | 2000 | N/A | N/A | N/A | 4.93 | 1.0 | T-1 |
| Q2489-01 | G4(0-6) | 01 | 100.02 | 2000 | N/A | N/A | N/A | 6.0 | 1.0 | T-1 |
| Q2489-02 | G4(6-12) | 02 | 100.03 | 2000 | N/A | N/A | N/A | 6.2 | 1.5 | T-1 |
| Q2489-03 | G3(0-6) | 03 | 100.02 | 2000 | N/A | N/A | N/A | 6.0 | 1.0 | T-1 |
| Q2489-04 | G3(6-12) | 04 | 100.03 | 2000 | N/A | N/A | N/A | 6.2 | 1.5 | T-1 |
| Q2489-05 | G2(0-6) | 05 | 100.04 | 2000 | N/A | N/A | N/A | 7.6 | 1.0 | T-1 |
| Q2489-06 | G2(6-12) | 06 | 100.03 | 2000 | N/A | N/A | N/A | 6.0 | 1.5 | T-1 |
| Q2489-07 | G1(0-6) | 07 | 100.02 | 2000 | N/A | N/A | N/A | 7.6 | 1.0 | T-1 |
| Q2489-08 | G1(6-12) | 08 | 100.01 | 2000 | N/A | N/A | N/A | 6.0 | 1.5 | T-1 |

07/07/25
11:00

Alliance TECHNICAL GROUP

## TCLP EXTRACTION LOGPAGE

PB168689

| Sample ID | ClientID | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| PB168689TB | LEB689 | 11 | N/A | 2000 | N/A | N/A | N/A | 4.94 | 1.0 | T-2 |
| Q2381-08 | VNJ-207 | 01 | 100.02 | 2000 | N/A | N/A | N/A | 5.6 | 1.5 | T-1 |
| Q2398-09 | M00-25-0179 | 02 | 100.03 | 2000 | N/A | N/A | N/A | 5.6 | 1.0 | T-1 |
| Q2472-02 | PN#1 | 03 | 100.02 | 2000 | N/A | N/A | N/A | 9.3 | 1.5 | T-1 |
| Q2473-05 | PIT#1 | 04 | 100.03 | 2000 | N/A | N/A | N/A | 9.1 | 1.0 | T-1 |
| Q2473-06 | PIT#2 | 05 | 100.02 | 2000 | N/A | N/A | N/A | 9.3 | 1.5 | T-1 |
| Q2473-07 | PIT#3 | 06 | 100.01 | 2000 | N/A | N/A | N/A | 9.1 | 1.0 | T-1 |
| Q2473-08 | PIT#4 | 07 | 100.02 | 2000 | N/A | N/A | N/A | 9.3 | 1.5 | T-1 |
| Q2474-01 | FO-1 | 08 | 100.03 | 2000 | N/A | N/A | N/A | 3.0 | 1.0 | T-1 |
| Q2478-04 | WC-1 | 09 | 100.04 | 2000 | N/A | N/A | N/A | 7.2 | 1.5 | T-1 |
| Q2493-04 | WC-11 | 10 | 100.03 | 2000 | N/A | N/A | N/A | 5.6 | 1.0 | T-2 |

07/03/25
11:00

Alliance TECHNICAL GROUP

**SPLP EXTRACTION LOGPAGE**

PB168755

**SOP ID :** M1312-SPLP-10

**SDG No :** N/A

**Weigh By :** JP

**Balance ID :** WC SC-7

**pH Meter ID :** WC PH METER-1

**Extraction By :** JP

**Filter By :** JP

**Pippete ID :** WC

**Tumbler ID :** T-2

**TCLP Filter ID :** 115525

**Start Prep Date :** 07/08/2025 **Time :** 14:00

**End Prep Date :** 07/09/2025 **Time :** 07:15

**Combination Ratio :** 20

**ZHE Cleaning Batch :** ~~N/A~~ 10

**Initial Room Temperature:** 23 °C

**Final Room Temperature:** 22 °C

**TCLP Technician Signature :** JP

**Supervisor By :** 12

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| 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 |

| Chemical Used | ML/SAMPLE U | Lot Number |
|---|---|---|
| SPLP FLUID | WP112802 | N/A |
| N/A | N/A | N/A |
| HNO3-TCLP,1N | N/A | WP112799 |
| pH Strips | N/A | W1931,W1934,W3171,W3172 |
| pH Strips | N/A | W3166,W1938,W1939, |
| 1 Liter Amber | N/A | 90924-08 |
| 120ml Plastic bottle | N/A | 2738 |
| 1:1 HNO3 | N/A | MP84041 |

**Extraction Conformance/Non-Conformance Comments:**

Tumbler T-2 checked,30 rpm. Matrix spikes are added after fiftration and before preservation. Particle size reduction is not required.

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 07/09/25 11:00 | JP Lab Room | SPB. RS 1 Ext |
| | Preparation Group | Analysis Group Inorg |

Alliance TECHNICAL GROUP

**SPLP EXTRACTION LOGPAGE**

PB168755

| Sample ID | ClientID | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| PB168755TB | LEB755 | 19 | N/A | 2000 | N/A | N/A | N/A | 4.24 | 1.0 | T-2 |
| Q2489-01 | G4(0-6) | 11 | 100.02 | 2000 | N/A | N/A | N/A | 7.0 | 1.0 | T-2 |
| Q2489-02 | G4(6-12) | 12 | 100.03 | 2000 | N/A | N/A | N/A | 6.0 | 1.5 | T-2 |
| Q2489-03 | G3(0-6) | 13 | 100.02 | 2000 | N/A | N/A | N/A | 7.0 | 1.5 | T-2 |
| Q2489-04 | G3(6-12) | 14 | 100.03 | 2000 | N/A | N/A | N/A | 5.6 | 1.0 | T-2 |
| Q2489-05 | G2(0-6) | 15 | 100.04 | 2000 | N/A | N/A | N/A | 7.0 | 1.0 | T-2 |
| Q2489-06 | G2(6-12) | 16 | 100.02 | 2000 | N/A | N/A | N/A | 7.2 | 1.5 | T-2 |
| Q2489-07 | G1(0-6) | 17 | 100.01 | 2000 | N/A | N/A | N/A | 7.0 | 1.0 | T-2 |
| Q2489-08 | G1(6-12) | 18 | 100.02 | 2000 | N/A | N/A | N/A | 7.2 | 1.5 | T-2 |

Alliance TECHNICAL GROUP

**SPLP Solid Determination**

PB168755

| SampleID | ClientID | Sample Weight (g) | Filter Weight (g) | Filtrate (mL) | Filter + Solid (After 100°C) | % solids | % Dry Solids |
|---|---|---|---|---|---|---|---|
| PB168755TB | LEB755 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2489-01 | G4(0-6) | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2489-02 | G4(6-12) | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2489-03 | G3(0-6) | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2489-04 | G3(6-12) | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2489-05 | G2(0-6) | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2489-06 | G2(6-12) | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2489-07 | G1(0-6) | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2489-08 | G1(6-12) | N/A | N/A | N/A | N/A | 100 | N/A |

Alliance TECHNICAL GROUP

**SPLP Fluid Determination**

PB168755

**Hot Block ID :** WC S-1 / WC S-2

**Thermometer ID :** FLASHPOINT

| SampleID | ClientID | Sample Weight (g) | Volume DI Water (mL) | PH after 5 min stir | PH after 10 min stir | Extraction Fluid 1 or 2 | pH Extraction Fluid |
|---|---|---|---|---|---|---|---|
| PB168755TB | LEB755 | N/A | N/A | N/A | N/A | #1 | 4.24 |
| Q2489-01 | G4(0-6) | N/A | N/A | N/A | N/A | #1 | 4.24 |
| Q2489-02 | G4(6-12) | N/A | N/A | N/A | N/A | #1 | 4.24 |
| Q2489-03 | G3(0-6) | N/A | N/A | N/A | N/A | #1 | 4.24 |
| Q2489-04 | G3(6-12) | N/A | N/A | N/A | N/A | #1 | 4.24 |
| Q2489-05 | G2(0-6) | N/A | N/A | N/A | N/A | #1 | 4.24 |
| Q2489-06 | G2(6-12) | N/A | N/A | N/A | N/A | #1 | 4.24 |
| Q2489-07 | G1(0-6) | N/A | N/A | N/A | N/A | #1 | 4.24 |
| Q2489-08 | G1(6-12) | N/A | N/A | N/A | N/A | #1 | 4.24 |

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** splp q2489 **WorkList ID :** 190584 **Department :** TCLP Extraction **Date :** 07-08-2025 11:59:53

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q2489-01 | G4(0-6) | Solid | SPLP Extraction | Cool 4 deg C | WALS01 | --Sele | 07/01/2025 | 1312 |
| Q2489-02 | G4(6-12) | Solid | SPLP Extraction | Cool 4 deg C | WALS01 | --Sele | 07/01/2025 | 1312 |
| Q2489-03 | G3(0-6) | Solid | SPLP Extraction | Cool 4 deg C | WALS01 | --Sele | 07/01/2025 | 1312 |
| Q2489-04 | G3(6-12) | Solid | SPLP Extraction | Cool 4 deg C | WALS01 | --Sele | 07/01/2025 | 1312 |
| Q2489-05 | G2(0-6) | Solid | SPLP Extraction | Cool 4 deg C | WALS01 | --Sele | 07/01/2025 | 1312 |
| Q2489-06 | G2(6-12) | Solid | SPLP Extraction | Cool 4 deg C | WALS01 | --Sele | 07/01/2025 | 1312 |
| Q2489-07 | G1(0-6) | Solid | SPLP Extraction | Cool 4 deg C | WALS01 | --Sele | 07/01/2025 | 1312 |
| Q2489-08 | G1(6-12) | Solid | SPLP Extraction | Cool 4 deg C | WALS01 | --Sele | 07/01/2025 | 1312 |

**Date/Time** 07/08/25 12:20
**Raw Sample Received by:** [illegible]
**Raw Sample Relinquished by:** [illegible]

**Date/Time** 07/08/25 13:30
**Raw Sample Received by:** [illegible]
**Raw Sample Relinquished by:** [illegible]

# SHIPPING DOCUMENTS

**Alliance TECHNICAL GROUP**

**284 Sheffield Street, Mountainside, NJ 07092**
**(908) 789-8900 · Fax (908) 789-8922**
**www.chemtech.net**

ALLIANCE PROJECT NO. Q 2489 25
QUOTE NO.
COC Number 2046744

## CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Walsh Construction
ADDRESS: 150 Clare Rd, 11th Floor
CITY Little Falls STATE: NJ ZIP: 07424
ATTENTION: Benie Dion Gokan
PHONE: 646-285-7234 FAX:

## CLIENT PROJECT INFORMATION

PROJECT NAME: Construction of Shafts 17B+18B
PROJECT NO.: 220084 LOCATION: Queens, NY
PROJECT MANAGER: Jesse Sylvestri
e-mail: jsylvestri@walshgroup.com
PHONE: 201-681-9740 FAX:

## CLIENT BILLING INFORMATION

BILL TO: Walsh Construction PO#:
ADDRESS: 150 Clare Rd, 11th Floor
CITY Little Falls STATE: NJ ZIP: 07424
ATTENTION: Jesse Sylvestri PHONE: 201-681-9740

## DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: STANDARD TAT DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

## DATA DELIVERABLE INFORMATION

☒ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other _____
☐ EDD FORMAT _____

## ANALYSIS

1. TCL VOCs + TICs / TCLP SVOCs + VOCs
2. TCL SVOCs + TICs
3. TAL Metals + Metals (RCRA + Be, Cu, Ni, Zn) / Total Cyanide / Tri + Hex Chromium
4. Pest/Herb/PCB
5. SPLP Metals, SVOCs, Metals, Pest/Herb
6. TCLP Metals, SVOCs, Metals, Pest/Herb
7. NJ EPH (C9-C40 TPH)
8. RCRA Characteristics (Ignit, Corro, Reactivity, Sulfide, Cyanide)
9. ☆ See add'l analyses in comments

| ALLIANCE SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | PRESERVATIVES 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | F+E | E | E | E | E | E | E | E | E | 1 ← Specify Preservatives: A-HCl, B-HNO3, C-H2SO4, D-NaOH, E-ICE, F-OTHER (methanol) |
| 1. | G4(1.5) | Soil | | X | 7/1/25 | 1025 | 6 | X | | | | | | | | | 3x vials (terracore set) |
| 2. | G4(10) | | | X | | 1045 | | X | | | | | | | | | + 2x encores + |
| 3. | G3(9) | | | X | | 1150 | | X | | | | | | | | | 1x plastic |
| 4. | G3(3) | | | X | | 1200 | | X | | | | | | | | | |
| 5. | G2(2.5) | | | X | | 1325 | | X | | | | | | | | | |
| 6. | G2(9) | | | X | | 1330 | | X | | | | | | | | | |
| 7. | G1(4.5) | | | X | | 1430 | | X | | | | | | | | | 3x vials (terracore set) |
| 8. | G1(10) | | | X | | 1440 | | X | | | | | | | | | 1x 8oz + 1x plastic + 1x encore |
| 9. | G4(0-6) | | X | | | 1100 | 7 | | X | X | X | X | X | X | X | X | 7x 8 oz jars |
| 10. | G4(6-12) | | X | | | 1110 | | | X | X | X | X | X | X | X | X | |

**SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY**

| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
|---|---|---|
| 1. [signature] | 7/1/25 1600 | 1. Benie [signature] |
| RELINQUISHED BY SAMPLER: 2. Benie [signature] | DATE/TIME: 1600 7-1-25 | RECEIVED BY: 2. [signature] 1600 7-1-25 |
| RELINQUISHED BY SAMPLER: 3. [signature] | DATE/TIME: 1818 7-1-25 | RECEIVED BY: 3. |

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.5 °C
Comments: Full analyte list in B. Gokan email on 6/26/25 to J. Hedunt
See Bottle Order # B2506068 + B2506069
Add'l analyses – Paint Filter, Organic Content by LOI, TS, TVS, Ammonia + Nitrogen, COD, Oil + Grease

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO



WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q2489 M
QUOTE NO.
COC Number 2047536

**CLIENT INFORMATION**

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ATTENTION: Benie Dion Gokon
PHONE: 646-285-7234 FAX:

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PROJECT NO.: 220084 LOCATION: Queens, NY
PROJECT MANAGER: Jesse Sylvestri
e-mail: jsylvestri@walshgroup.com
PHONE: 201-681-9740 FAX:

**CLIENT BILLING INFORMATION**

BILL TO: Walsh Construction PO#:
ADDRESS: 150 Clove Rd, 11th Floor
CITY Little Falls STATE: NJ ZIP: 07424
ATTENTION: Jesse Sylvestri PHONE: 201-681-9740

**DATA TURNAROUND INFORMATION**

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: STANDARD TAT DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

**DATA DELIVERABLE INFORMATION**

☒ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other _____
☐ EDD FORMAT _____

**ANALYSIS**

1. TCL VOCs + TICs
2. TCL SVOCs + TICs
3. TAL Metals + Mercury (RCRA + Be, Cu, Ni, Zn, Se)
4. Total Cyanide
5. Trivalent Hex Chromium
6. Pest/Herb/PCBs
7. SPLP Metals, SVOCs, Metals, Pest/Herb
8. TCLP Metals, SVOCs, Metals, Pest/Herb
9. NJ GRO
10. TPH (NJ DRO + GRO)
11. RCRA Characteristics (Ignitability, Corrosivity, Reactivity, Cyanide, Sulfide)

*See add'l analyses in comments

| ALLIANCE SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | PRESERVATIVES 1 F+E | 2 E | 3 E | 4 E | 5 E | 6 E | 7 E | 8 E | 9 E | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | G3 (0-6) | Soil | X | | 7/1/25 | 1235 | 7 | | X | X | X | X | X | X | X | X | 7x 8 oz jars |
| 2. | G3 (6-12) | ↓ | ↓ | | ↓ | 1245 | ↓ | | | | | | | | | | |
| 3. | G2 (0-6) | | | | | 1350 | | | | | | | | | | | |
| 4. | G2 (6-12) | | | | | 1400 | | | | | | | | | | | |
| 5. | G1 (0-6) | | | | | 1410 | | | | | | | | | | | |
| 6. | G1 (6-12) | ↓ | ↓ | | ↓ | 1420 | ↓ | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER (methanol)

**SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY**

| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
|---|---|---|
| 1. [signature] | 7/1/25 1600 | 1. Benie [signature] |
| 2. Benie [signature] | 7-1-25 | 2. [signature] 1600 7-1-25 |
| 3. [signature] | 7/1/25 1818 | 3. |

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.9 °C
Comments: Full analyte list in B. Gokon email on 6/26/25 to J. Heckert
See Bottle Order #B25060068 & B25060069
Add'l analyses - Paint Filter, Organic Content by LOI, TS, TVS, Ammonia & Nitrogen, COD, Oil & Grease

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO



WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Laboratory Certification

| Certified By | License No. |
|---|---|
| | |
| CAS EPA CLP Contract | 68HERH20D0011 |
| | |
| Connecticut | PH-0830 |
| | |
| DOD ELAP (ANAB) | L2219 |
| | |
| Maine | 2024021 |
| | |
| Maryland | 296 |
| | |
| New Hampshire | 255424 Rev 1 |
| | |
| New Jersey | 20012 |
| | |
| New York | 11376 |
| | |
| Pennsylvania | 68-00548 |
| | |
| Soil Permit | 525-24-234-08441 |
| | |
| Texas | T104704488 |