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# Cover Page

**Order ID :** Q1216

**Project ID :** NYCDDC SANTWOBR Brooklyn Bridge BBMCR

**Client :** RU2 Engineering, LLC

| Lab Sample Number | Client Sample Number |
|---|---|
| Q1216-01 | JPP-18.1-012825 |
| Q1216-02 | JPP-18.1-012825 |
| Q1216-03 | JPP-18.1-012825 |
| Q1216-04 | JPP-18.1-012825 |
| Q1216-05 | JPP-21.1-012825 |
| Q1216-06 | JPP-21.1-012825 |
| Q1216-07 | JPP-21.1-012825 |
| Q1216-08 | JPP-21.1-012825 |
| Q1216-09 | JPP-21.2-012825 |
| Q1216-10 | JPP-21.2-012825 |
| Q1216-11 | JPP-21.2-012825 |
| Q1216-12 | JPP-21.2-012825 |
| Q1216-13 | JPP-26.1-012825 |
| Q1216-14 | JPP-26.1-012825 |
| Q1216-15 | JPP-26.1-012825 |
| Q1216-16 | JPP-26.1-012825 |
| Q1216-17 | JPP-26.2-012825 |
| Q1216-18 | JPP-26.2-012825 |
| Q1216-19 | JPP-26.2-012825 |
| Q1216-20 | JPP-26.2-012825 |

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: 2/12/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# DATA REPORTING QUALIFIERS- ORGANIC

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

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

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**APPENDIX A**

**QA REVIEW GENERAL DOCUMENTATION**

**Project #:** **Q1216**

| | 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:** **JATIN SATHVARA** **Date:** **02/12/2025**

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q1216 | **OrderDate:** | 1/29/2025 11:54:00 AM |
| **Client:** | RU2 Engineering, LLC | **Project:** | NYCDDC SANTWOBR Brooklyn Bridge BBMCR |
| **Contact:** | Rutu Manani | **Location:** | E11,VOA Ref. #2 Soil |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q1216-03** | **JPP-18.1-012825** | **SOIL** | | | **01/28/25** | | | **01/29/25** |
| | | | SVOC-TCL BNA -20 | 8270E | | 01/30/25 | 02/07/25 | |
| **Q1216-04** | **JPP-18.1-012825** | **TCLP** | | | **01/28/25** | | | **01/29/25** |
| | | | TCLP BNA | 8270E | | 01/31/25 | 02/06/25 | |
| **Q1216-07** | **JPP-21.1-012825** | **SOIL** | | | **01/28/25** | | | **01/29/25** |
| | | | SVOC-TCL BNA -20 | 8270E | | 01/30/25 | 02/07/25 | |
| **Q1216-08** | **JPP-21.1-012825** | **TCLP** | | | **01/28/25** | | | **01/29/25** |
| | | | TCLP BNA | 8270E | | 01/31/25 | 02/04/25 | |
| **Q1216-11** | **JPP-21.2-012825** | **SOIL** | | | **01/28/25** | | | **01/29/25** |
| | | | SVOC-TCL BNA -20 | 8270E | | 01/30/25 | 02/04/25 | |
| **Q1216-12** | **JPP-21.2-012825** | **TCLP** | | | **01/28/25** | | | **01/29/25** |
| | | | TCLP BNA | 8270E | | 01/31/25 | 02/03/25 | |
| **Q1216-15** | **JPP-26.1-012825** | **SOIL** | | | **01/28/25** | | | **01/29/25** |
| | | | SVOC-TCL BNA -20 | 8270E | | 01/30/25 | 02/07/25 | |
| **Q1216-15DL** | **JPP-26.1-012825DL** | **SOIL** | | | **01/28/25** | | | **01/29/25** |
| | | | SVOC-TCL BNA -20 | 8270E | | 01/30/25 | 02/10/25 | |
| **Q1216-16** | **JPP-26.1-012825** | **TCLP** | | | **01/28/25** | | | **01/29/25** |
| | | | TCLP BNA | 8270E | | 01/31/25 | 02/03/25 | |
| **Q1216-19** | **JPP-26.2-012825** | **SOIL** | | | **01/28/25** | | | **01/29/25** |
| | | | SVOC-TCL BNA -20 | 8270E | | 01/30/25 | 02/04/25 | |
| **Q1216-20** | **JPP-26.2-012825** | **TCLP** | | | **01/28/25** | | | **01/29/25** |
| | | | TCLP BNA | 8270E | | 01/31/25 | 02/03/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1216

**Client:** RU2 Engineering, LLC

| Sample ID | Client ID | Matrix | Parameter | | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID :** | **JPP-18.1-012825** | | | | | | | | |
| Q1216-03 | JPP-18.1-012825 | SOIL | Acenaphthene | | 250.000 | | 97.1 | 200 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Dibenzofuran | | 100.000 | J | 100 | 200 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Fluorene | | 220.000 | | 100 | 200 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Phenanthrene | | 2,600.000 | | 100 | 200 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Anthracene | | 620.000 | | 100 | 200 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Carbazole | | 100.000 | J | 96.1 | 200 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Fluoranthene | | 2,800.000 | | 97.8 | 200 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Pyrene | | 2,900.000 | | 99.4 | 200 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Benzo(a)anthracene | | 1,500.000 | | 96.6 | 200 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Chrysene | | 1,300.000 | | 95.2 | 200 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Bis(2-ethylhexyl)phthalate | | 110.000 | J | 110 | 200 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Benzo(b)fluoranthene | | 1,300.000 | | 97.1 | 200 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Benzo(k)fluoranthene | | 650.000 | | 98.9 | 200 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Benzo(a)pyrene | | 1,300.000 | | 110 | 200 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Indeno(1,2,3-cd)pyrene | | 560.000 | | 93.5 | 200 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Dibenzo(a,h)anthracene | | 180.000 | J | 97.2 | 200 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Benzo(g,h,i)perylene | | 650.000 | | 95.9 | 200 | ug/Kg |
| | | | **Total Svoc :** | | **17,140.00** | | | | |
| Q1216-03 | JPP-18.1-012825 | SOIL | 11H-Benzo[a]fluoren-11-one | * | 99.000 | J | 0 | 0 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | 1-Isopropenylnaphthalene | * | 90.600 | J | 0 | 0 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | 2-Isopropyl-10-methylphenanthre | * | 150.000 | J | 0 | 0 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Benzaldehyde, 3,5-dichloro-2-hyd | * | 230.000 | J | 0 | 0 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Benzo[e]pyrene | * | 920.000 | J | 0 | 0 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Benzophenone | * | 220.000 | J | 0 | 0 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Naphthalene, 2,3-dimethyl- | * | 100.000 | J | 0 | 0 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Octane, 2,4,6-trimethyl- | * | 90.600 | J | 0 | 0 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Pyrene, 1-methyl- | * | 150.000 | J | 0 | 0 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Pyrene, 4-methyl- | * | 150.000 | J | 0 | 0 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Phenanthrene, 1-methyl- | * | 250.000 | J | 0 | 0 | ug/Kg |
| Q1216-03 | JPP-18.1-012825 | SOIL | Phenanthrene, 2-methyl- | * | 99.800 | J | 0 | 0 | ug/Kg |
| | | | **Total Tics :** | | **2,550.00** | | | | |
| | | | **Total Concentration:** | | **19,690.00** | | | | |
| **Client ID :** | **JPP-21.1-012825** | | | | | | | | |
| Q1216-07 | JPP-21.1-012825 | SOIL | Acenaphthene | | 93.400 | J | 89.5 | 190 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Phenanthrene | | 1,100.000 | | 92.7 | 190 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Anthracene | | 290.000 | | 93.2 | 190 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Fluoranthene | | 2,200.000 | | 90.2 | 190 | ug/Kg |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1216

**Client:** RU2 Engineering, LLC

| Sample ID | Client ID | Matrix | Parameter | | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| Q1216-07 | JPP-21.1-012825 | SOIL | Pyrene | | 2,200.000 | | 91.6 | 190 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Benzo(a)anthracene | | 1,300.000 | | 89.1 | 190 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Chrysene | | 1,100.000 | | 87.8 | 190 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Benzo(b)fluoranthene | | 1,400.000 | | 89.5 | 190 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Benzo(k)fluoranthene | | 560.000 | | 91.2 | 190 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Benzo(a)pyrene | | 1,300.000 | | 100 | 190 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Indeno(1,2,3-cd)pyrene | | 590.000 | | 86.2 | 190 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Dibenzo(a,h)anthracene | | 190.000 | | 89.6 | 190 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Benzo(g,h,i)perylene | | 690.000 | | 88.4 | 190 | ug/Kg |
| | | | **Total Svoc :** | | **13,013.40** | | | | |
| Q1216-07 | JPP-21.1-012825 | SOIL | 1,1-Biphenyl, 2-azido- | * | 140.000 | J | 0 | 0 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | 1H-Cyclopropa[l]phenanthrene,1a | * | 140.000 | J | 0 | 0 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | 9,10-Anthracenedione | * | 80.600 | J | 0 | 0 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Benzaldehyde, 3,5-dichloro-2-hyd | * | 540.000 | J | 0 | 0 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Benzo[e]pyrene | * | 960.000 | J | 0 | 0 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Benzophenone | * | 170.000 | J | 0 | 0 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Cyclopenta(def)phenanthrenone | * | 170.000 | J | 0 | 0 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Fluoranthene, 2-methyl- | * | 140.000 | J | 0 | 0 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Pyrene, 1-methyl- | * | 120.000 | J | 0 | 0 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Pyrene, 2-methyl- | * | 110.000 | J | 0 | 0 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | unknown11.175 | * | 83.500 | J | 0 | 0 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | unknown12.404 | * | 150.000 | J | 0 | 0 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Naphthalene, 1-phenyl- | * | 82.400 | J | 0 | 0 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Naphthalene, 2-phenyl- | * | 230.000 | J | 0 | 0 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Naphtho[2,1-b]thiophene | * | 75.100 | J | 0 | 0 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Phenanthrene, 1-methyl- | * | 200.000 | J | 0 | 0 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Phenanthrene, 2,5-dimethyl- | * | 190.000 | J | 0 | 0 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Phenanthrene, 2-methyl- | * | 450.000 | J | 0 | 0 | ug/Kg |
| Q1216-07 | JPP-21.1-012825 | SOIL | Phenanthrene, 4,5-dimethyl- | * | 74.700 | J | 0 | 0 | ug/Kg |
| | | | **Total Tics :** | | **4,106.30** | | | | |
| | | | **Total Concentration:** | | **17,119.70** | | | | |
| **Client ID :** | **JPP-21.2-012825** | | | | | | | | |
| Q1216-11 | JPP-21.2-012825 | SOIL | Phenanthrene | | 2,000.000 | | 200 | 400 | ug/Kg |
| Q1216-11 | JPP-21.2-012825 | SOIL | Anthracene | | 570.000 | | 200 | 400 | ug/Kg |
| Q1216-11 | JPP-21.2-012825 | SOIL | Carbazole | | 220.000 | J | 190 | 400 | ug/Kg |
| Q1216-11 | JPP-21.2-012825 | SOIL | Fluoranthene | | 3,000.000 | | 190 | 400 | ug/Kg |
| Q1216-11 | JPP-21.2-012825 | SOIL | Pyrene | | 1,900.000 | | 200 | 400 | ug/Kg |
| Q1216-11 | JPP-21.2-012825 | SOIL | Benzo(a)anthracene | | 1,200.000 | | 190 | 400 | ug/Kg |
| Q1216-11 | JPP-21.2-012825 | SOIL | Chrysene | | 1,100.000 | | 190 | 400 | ug/Kg |
| Q1216-11 | JPP-21.2-012825 | SOIL | Benzo(b)fluoranthene | | 1,500.000 | | 190 | 400 | ug/Kg |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1216

**Client:** RU2 Engineering, LLC

| Sample ID | Client ID | Matrix | Parameter | | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| Q1216-11 | JPP-21.2-012825 | SOIL | Benzo(k)fluoranthene | | 530.000 | | 200 | 400 | ug/Kg |
| Q1216-11 | JPP-21.2-012825 | SOIL | Benzo(a)pyrene | | 1,200.000 | | 220 | 400 | ug/Kg |
| Q1216-11 | JPP-21.2-012825 | SOIL | Indeno(1,2,3-cd)pyrene | | 530.000 | | 190 | 400 | ug/Kg |
| Q1216-11 | JPP-21.2-012825 | SOIL | Benzo(g,h,i)perylene | | 600.000 | | 190 | 400 | ug/Kg |
| | | | **Total Svoc :** | | **14,350.00** | | | | |
| Q1216-11 | JPP-21.2-012825 | SOIL | Pyrene, 1-methyl- | * | 160.000 | J | 0 | 0 | ug/Kg |
| Q1216-11 | JPP-21.2-012825 | SOIL | Pyrene, 4-methyl- | * | 190.000 | J | 0 | 0 | ug/Kg |
| Q1216-11 | JPP-21.2-012825 | SOIL | 11H-Benzo[b]fluorene | * | 170.000 | J | 0 | 0 | ug/Kg |
| Q1216-11 | JPP-21.2-012825 | SOIL | 1H-Indene, 2-phenyl- | * | 550.000 | J | 0 | 0 | ug/Kg |
| Q1216-11 | JPP-21.2-012825 | SOIL | 4H-Cyclopenta[def]phenanthrene | * | 520.000 | J | 0 | 0 | ug/Kg |
| Q1216-11 | JPP-21.2-012825 | SOIL | 5,16[1,2]:8,13[1,2]-Dibenzen | * | 170.000 | J | 0 | 0 | ug/Kg |
| Q1216-11 | JPP-21.2-012825 | SOIL | Benzo[e]pyrene | * | 870.000 | J | 0 | 0 | ug/Kg |
| Q1216-11 | JPP-21.2-012825 | SOIL | Benzophenone | * | 170.000 | J | 0 | 0 | ug/Kg |
| Q1216-11 | JPP-21.2-012825 | SOIL | Phenanthrene, 1-methyl- | * | 200.000 | J | 0 | 0 | ug/Kg |
| | | | **Total Tics :** | | **3,000.00** | | | | |
| | | | **Total Concentration:** | | **17,350.00** | | | | |
| **Client ID :** | **JPP-26.1-012825** | | | | | | | | |
| Q1216-15 | JPP-26.1-012825 | SOIL | Acenaphthene | | 520.000 | | 97.8 | 200 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Dibenzofuran | | 160.000 | J | 100 | 200 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Fluorene | | 360.000 | | 100 | 200 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Phenanthrene | | 6,500.000 | E | 100 | 200 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Anthracene | | 2,000.000 | | 100 | 200 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Carbazole | | 200.000 | | 96.8 | 200 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Fluoranthene | | 13,500.000 | E | 98.5 | 200 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Pyrene | | 15,500.000 | E | 100 | 200 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Benzo(a)anthracene | | 9,700.000 | E | 97.3 | 200 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Chrysene | | 7,400.000 | E | 95.9 | 200 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Bis(2-ethylhexyl)phthalate | | 150.000 | J | 110 | 200 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Benzo(b)fluoranthene | | 9,200.000 | E | 97.8 | 200 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Benzo(k)fluoranthene | | 3,600.000 | E | 99.6 | 200 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Benzo(a)pyrene | | 8,300.000 | E | 110 | 200 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Indeno(1,2,3-cd)pyrene | | 4,000.000 | E | 94.2 | 200 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Dibenzo(a,h)anthracene | | 1,200.000 | | 97.9 | 200 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Benzo(g,h,i)perylene | | 4,500.000 | E | 96.6 | 200 | ug/Kg |
| | | | **Total Svoc :** | | **86,790.00** | | | | |
| Q1216-15 | JPP-26.1-012825 | SOIL | Benzene, [1-(2,4-cyclopentadien-1 | * | 270.000 | J | 0 | 0 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | 11H-Benzo[a]fluoren-11-one | * | 130.000 | J | 0 | 0 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | 4H-Cyclopenta[def]phenanthrene | * | 380.000 | J | 0 | 0 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | 9,10[1,2]-Benzenoanthracene, 9,1 | * | 1,200.000 | J | 0 | 0 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Benzo[b]naphtho[2,1-d]thiophene | * | 130.000 | J | 0 | 0 | ug/Kg |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1216

**Client:** RU2 Engineering, LLC

| Sample ID | Client ID | Matrix | Parameter | | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| Q1216-15 | JPP-26.1-012825 | SOIL | Benzo[e]pyrene | * | 2,000.000 | J | 0 | 0 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Benzophenone | * | 440.000 | J | 0 | 0 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Cyclopenta(def)phenanthrenone | * | 130.000 | J | 0 | 0 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Cyclopenta[cd]pyrene | * | 130.000 | J | 0 | 0 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Naphthalene, 2,3,6-trimethyl- | * | 230.000 | J | 0 | 0 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Naphthalene, 2,3-dimethyl- | * | 160.000 | J | 0 | 0 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Naphthalene, 2-phenyl- | * | 110.000 | J | 0 | 0 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Perylene | * | 7,300.000 | J | 0 | 0 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Phenanthrene, 1-methyl- | * | 200.000 | J | 0 | 0 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Phenanthrene, 2,5-dimethyl- | * | 140.000 | J | 0 | 0 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Phenanthrene, 2-methyl- | * | 140.000 | J | 0 | 0 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Pyrene, 1-methyl- | * | 190.000 | J | 0 | 0 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Pyrene, 2-methyl- | * | 240.000 | J | 0 | 0 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | unknown13.745 | * | 120.000 | J | 0 | 0 | ug/Kg |
| Q1216-15 | JPP-26.1-012825 | SOIL | Fluoranthene, 2-methyl- | * | 270.000 | J | 0 | 0 | ug/Kg |
| | | | **Total Tics :** | | **13,910.00** | | | | |
| | | | **Total Concentration:** | | **100,700.00** | | | | |
| **Client ID :** | **JPP-26.1-012825DL** | | | | | | | | |
| Q1216-15DL | JPP-26.1-012825DL | SOIL | Phenanthrene | | 6,800.000 | D | 510 | 1000 | ug/Kg |
| Q1216-15DL | JPP-26.1-012825DL | SOIL | Anthracene | | 1,900.000 | D | 510 | 1000 | ug/Kg |
| Q1216-15DL | JPP-26.1-012825DL | SOIL | Fluoranthene | | 15,100.000 | D | 490 | 1000 | ug/Kg |
| Q1216-15DL | JPP-26.1-012825DL | SOIL | Pyrene | | 12,000.000 | D | 500 | 1000 | ug/Kg |
| Q1216-15DL | JPP-26.1-012825DL | SOIL | Benzo(a)anthracene | | 9,200.000 | D | 490 | 1000 | ug/Kg |
| Q1216-15DL | JPP-26.1-012825DL | SOIL | Chrysene | | 7,100.000 | D | 480 | 1000 | ug/Kg |
| Q1216-15DL | JPP-26.1-012825DL | SOIL | Benzo(b)fluoranthene | | 9,500.000 | D | 490 | 1000 | ug/Kg |
| Q1216-15DL | JPP-26.1-012825DL | SOIL | Benzo(k)fluoranthene | | 4,300.000 | D | 500 | 1000 | ug/Kg |
| Q1216-15DL | JPP-26.1-012825DL | SOIL | Benzo(a)pyrene | | 8,400.000 | D | 560 | 1000 | ug/Kg |
| Q1216-15DL | JPP-26.1-012825DL | SOIL | Indeno(1,2,3-cd)pyrene | | 3,500.000 | D | 470 | 1000 | ug/Kg |
| Q1216-15DL | JPP-26.1-012825DL | SOIL | Dibenzo(a,h)anthracene | | 970.000 | JD | 490 | 1000 | ug/Kg |
| Q1216-15DL | JPP-26.1-012825DL | SOIL | Benzo(g,h,i)perylene | | 3,700.000 | D | 480 | 1000 | ug/Kg |
| | | | **Total Svoc :** | | **82,470.00** | | | | |
| | | | **Total Concentration:** | | **82,470.00** | | | | |
| **Client ID :** | **JPP-26.2-012825** | | | | | | | | |
| Q1216-19 | JPP-26.2-012825 | SOIL | Phenanthrene | | 1,900.000 | | 200 | 400 | ug/Kg |
| Q1216-19 | JPP-26.2-012825 | SOIL | Anthracene | | 470.000 | | 200 | 400 | ug/Kg |
| Q1216-19 | JPP-26.2-012825 | SOIL | Fluoranthene | | 3,100.000 | | 190 | 400 | ug/Kg |
| Q1216-19 | JPP-26.2-012825 | SOIL | Pyrene | | 2,000.000 | | 190 | 400 | ug/Kg |
| Q1216-19 | JPP-26.2-012825 | SOIL | Benzo(a)anthracene | | 1,300.000 | | 190 | 400 | ug/Kg |
| Q1216-19 | JPP-26.2-012825 | SOIL | Chrysene | | 1,200.000 | | 180 | 400 | ug/Kg |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1216

**Client:** RU2 Engineering, LLC

| Sample ID | Client ID | Matrix | Parameter | | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| Q1216-19 | JPP-26.2-012825 | SOIL | Benzo(b)fluoranthene | | 1,600.000 | | 190 | 400 | ug/Kg |
| Q1216-19 | JPP-26.2-012825 | SOIL | Benzo(k)fluoranthene | | 560.000 | | 190 | 400 | ug/Kg |
| Q1216-19 | JPP-26.2-012825 | SOIL | Benzo(a)pyrene | | 1,400.000 | | 220 | 400 | ug/Kg |
| Q1216-19 | JPP-26.2-012825 | SOIL | Indeno(1,2,3-cd)pyrene | | 550.000 | | 180 | 400 | ug/Kg |
| Q1216-19 | JPP-26.2-012825 | SOIL | Benzo(g,h,i)perylene | | 650.000 | | 190 | 400 | ug/Kg |
| | | | **Total Svoc :** | | **14,730.00** | | | | |
| Q1216-19 | JPP-26.2-012825 | SOIL | Pyrene, 1-methyl- | * | 160.000 | J | 0 | 0 | ug/Kg |
| Q1216-19 | JPP-26.2-012825 | SOIL | Pyrene, 2-methyl- | * | 320.000 | J | 0 | 0 | ug/Kg |
| Q1216-19 | JPP-26.2-012825 | SOIL | Naphthalene, 2-phenyl- | * | 210.000 | J | 0 | 0 | ug/Kg |
| Q1216-19 | JPP-26.2-012825 | SOIL | Phenanthrene, 2-methyl- | * | 470.000 | J | 0 | 0 | ug/Kg |
| Q1216-19 | JPP-26.2-012825 | SOIL | 4b,8-Dimethyl-2-isopropylphenan | * | 220.000 | J | 0 | 0 | ug/Kg |
| Q1216-19 | JPP-26.2-012825 | SOIL | 4H-Cyclopenta[def]phenanthrene | * | 550.000 | J | 0 | 0 | ug/Kg |
| Q1216-19 | JPP-26.2-012825 | SOIL | Anthracene, 9-methyl- | * | 220.000 | J | 0 | 0 | ug/Kg |
| Q1216-19 | JPP-26.2-012825 | SOIL | Benzo[e]pyrene | * | 1,100.000 | J | 0 | 0 | ug/Kg |
| Q1216-19 | JPP-26.2-012825 | SOIL | Benzophenone | * | 190.000 | J | 0 | 0 | ug/Kg |
| | | | **Total Tics :** | | **3,440.00** | | | | |
| | | | **Total Concentration:** | | **18,170.00** | | | | |




# QC SUMMARY

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# Surrogate Summary

**SW-846**

**SDG No.:** Q1216

**Client:** RU2 Engineering, LLC

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| PB166360BL | PB166360BL | 2-Fluorophenol | 150 | 147 | 98 | | 18 | 112 |
| | | Phenol-d6 | 150 | 142 | 95 | | 15 | 107 |
| | | Nitrobenzene-d5 | 100 | 101 | 101 | | 18 | 107 |
| | | 2-Fluorobiphenyl | 100 | 100.0 | 100 | | 20 | 109 |
| | | 2,4,6-Tribromophenol | 150 | 158 | 105 | | 10 | 116 |
| | | Terphenyl-d14 | 100 | 93.3 | 93 | | 10 | 105 |
| PB166360BS | PB166360BS | 2-Fluorophenol | 150 | 134 | 89 | | 18 | 112 |
| | | Phenol-d6 | 150 | 128 | 85 | | 15 | 107 |
| | | Nitrobenzene-d5 | 100 | 92.7 | 93 | | 18 | 107 |
| | | 2-Fluorobiphenyl | 100 | 94.8 | 95 | | 20 | 109 |
| | | 2,4,6-Tribromophenol | 150 | 154 | 103 | | 10 | 116 |
| | | Terphenyl-d14 | 100 | 85.1 | 85 | | 10 | 105 |
| Q1215-03MS | JPP-29.1-012825MS | 2-Fluorophenol | 150 | 96.4 | 64 | | 18 | 112 |
| | | Phenol-d6 | 150 | 92.7 | 62 | | 15 | 107 |
| | | Nitrobenzene-d5 | 100 | 72.2 | 72 | | 18 | 107 |
| | | 2-Fluorobiphenyl | 100 | 73.2 | 73 | | 20 | 109 |
| | | 2,4,6-Tribromophenol | 150 | 90.2 | 60 | | 10 | 116 |
| | | Terphenyl-d14 | 100 | 59.0 | 59 | | 10 | 105 |
| Q1215-03MSD | JPP-29.1-012825MSD | 2-Fluorophenol | 150 | 94.8 | 63 | | 18 | 112 |
| | | Phenol-d6 | 150 | 92.1 | 61 | | 15 | 107 |
| | | Nitrobenzene-d5 | 100 | 68.4 | 68 | | 18 | 107 |
| | | 2-Fluorobiphenyl | 100 | 70.6 | 71 | | 20 | 109 |
| | | 2,4,6-Tribromophenol | 150 | 82.2 | 55 | | 10 | 116 |
| | | Terphenyl-d14 | 100 | 56.0 | 56 | | 10 | 105 |
| Q1216-03 | JPP-18.1-012825 | 2-Fluorophenol | 150 | 114 | 76 | | 18 | 112 |
| | | Phenol-d6 | 150 | 112 | 74 | | 15 | 107 |
| | | Nitrobenzene-d5 | 100 | 79.6 | 80 | | 18 | 107 |
| | | 2-Fluorobiphenyl | 100 | 77.9 | 78 | | 20 | 109 |
| | | 2,4,6-Tribromophenol | 150 | 100 | 67 | | 10 | 116 |
| | | Terphenyl-d14 | 100 | 73.5 | 73 | | 10 | 105 |
| Q1216-07 | JPP-21.1-012825 | 2-Fluorophenol | 150 | 72.7 | 48 | | 18 | 112 |
| | | Phenol-d6 | 150 | 69.9 | 47 | | 15 | 107 |
| | | Nitrobenzene-d5 | 100 | 49.8 | 50 | | 18 | 107 |
| | | 2-Fluorobiphenyl | 100 | 51.8 | 52 | | 20 | 109 |
| | | 2,4,6-Tribromophenol | 150 | 62.4 | 42 | | 10 | 116 |
| | | Terphenyl-d14 | 100 | 46.3 | 46 | | 10 | 105 |
| Q1216-11 | JPP-21.2-012825 | 2-Fluorophenol | 150 | 84.5 | 56 | | 18 | 112 |
| | | Phenol-d6 | 150 | 79.6 | 53 | | 15 | 107 |
| | | Nitrobenzene-d5 | 100 | 59.9 | 60 | | 18 | 107 |
| | | 2-Fluorobiphenyl | 100 | 61.5 | 61 | | 20 | 109 |
| | | 2,4,6-Tribromophenol | 150 | 80.0 | 53 | | 10 | 116 |
| | | Terphenyl-d14 | 100 | 46.3 | 46 | | 10 | 105 |
| Q1216-15 | JPP-26.1-012825 | 2-Fluorophenol | 150 | 99.3 | 66 | | 18 | 112 |
| | | Phenol-d6 | 150 | 97.3 | 65 | | 15 | 107 |
| | | Nitrobenzene-d5 | 100 | 69.1 | 69 | | 18 | 107 |
| | | 2-Fluorobiphenyl | 100 | 65.1 | 65 | | 20 | 109 |
| | | 2,4,6-Tribromophenol | 150 | 86.5 | 58 | | 10 | 116 |
| | | Terphenyl-d14 | 100 | 64.6 | 65 | | 10 | 105 |
| Q1216-15DL | JPP-26.1-012825DL | 2-Fluorophenol | 150 | 94.1 | 63 | | 18 | 112 |
| | | Phenol-d6 | 150 | 92.0 | 61 | | 15 | 107 |
| | | Nitrobenzene-d5 | 100 | 64.0 | 64 | | 18 | 107 |

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# Surrogate Summary

**SW-846**

**SDG No.:** Q1216

**Client:** RU2 Engineering, LLC

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| Q1216-15DL | JPP-26.1-012825DL | 2-Fluorobiphenyl | 100 | 62.7 | 63 | | 20 | 109 |
| | | 2,4,6-Tribromophenol | 150 | 70.0 | 47 | | 10 | 116 |
| | | Terphenyl-d14 | 100 | 41.9 | 42 | | 10 | 105 |
| Q1216-19 | JPP-26.2-012825 | 2-Fluorophenol | 150 | 81.6 | 54 | | 18 | 112 |
| | | Phenol-d6 | 150 | 78.7 | 52 | | 15 | 107 |
| | | Nitrobenzene-d5 | 100 | 60.3 | 60 | | 18 | 107 |
| | | 2-Fluorobiphenyl | 100 | 66.5 | 66 | | 20 | 109 |
| | | 2,4,6-Tribromophenol | 150 | 57.9 | 39 | | 10 | 116 |
| | | Terphenyl-d14 | 100 | 45.1 | 45 | | 10 | 105 |

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q1216

**Client:** RU2 Engineering, LLC

**Analytical Method:** SW8270E

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: Q1215-03MS** | | **Client Sample ID: JPP-29.1-012825MS** | | | | | | **DataFile: BF141573.D** | | | |
| Benzaldehyde | 1900 | 0 | 2200 | ug/Kg | 116 | * | | | 10 | 86 | |
| Phenol | 1900 | 0 | 1700 | ug/Kg | 89 | | | | 67 | 126 | |
| bis(2-Chloroethyl)ether | 1900 | 0 | 1800 | ug/Kg | 95 | | | | 54 | 125 | |
| 2-Chlorophenol | 1900 | 0 | 1700 | ug/Kg | 89 | | | | 79 | 107 | |
| 2-Methylphenol | 1900 | 0 | 1700 | ug/Kg | 89 | | | | 66 | 122 | |
| 2,2-oxybis(1-Chloropropane) | 1900 | 0 | 1700 | ug/Kg | 89 | | | | 65 | 110 | |
| Acetophenone | 1900 | 0 | 2000 | ug/Kg | 105 | | | | 75 | 111 | |
| 3+4-Methylphenols | 1900 | 0 | 1700 | ug/Kg | 89 | | | | 66 | 104 | |
| N-Nitroso-di-n-propylamine | 1900 | 0 | 1700 | ug/Kg | 89 | | | | 59 | 119 | |
| Hexachloroethane | 1900 | 0 | 1700 | ug/Kg | 89 | | | | 65 | 117 | |
| Nitrobenzene | 1900 | 0 | 1700 | ug/Kg | 89 | | | | 70 | 119 | |
| Isophorone | 1900 | 0 | 1900 | ug/Kg | 100 | | | | 76 | 122 | |
| 2-Nitrophenol | 1900 | 0 | 1800 | ug/Kg | 95 | | | | 54 | 145 | |
| 2,4-Dimethylphenol | 1900 | 0 | 2200 | ug/Kg | 116 | | | | 44 | 135 | |
| bis(2-Chloroethoxy)methane | 1900 | 0 | 1800 | ug/Kg | 95 | | | | 68 | 112 | |
| 2,4-Dichlorophenol | 1900 | 0 | 1700 | ug/Kg | 89 | | | | 72 | 118 | |
| Naphthalene | 1900 | 0 | 1800 | ug/Kg | 95 | | | | 72 | 110 | |
| 4-Chloroaniline | 1900 | 0 | 380 | ug/Kg | 20 | | | | 10 | 91 | |
| Hexachlorobutadiene | 1900 | 0 | 1900 | ug/Kg | 100 | | | | 66 | 114 | |
| Caprolactam | 1900 | 0 | 1900 | ug/Kg | 100 | | | | 51 | 134 | |
| 4-Chloro-3-methylphenol | 1900 | 0 | 1600 | ug/Kg | 84 | | | | 57 | 132 | |
| 2-Methylnaphthalene | 1900 | 0 | 1700 | ug/Kg | 89 | | | | 59 | 123 | |
| Hexachlorocyclopentadiene | 3700 | 0 | 2100 | ug/Kg | 57 | | | | 10 | 175 | |
| 2,4,6-Trichlorophenol | 1900 | 0 | 1800 | ug/Kg | 95 | | | | 72 | 117 | |
| 2,4,5-Trichlorophenol | 1900 | 0 | 1700 | ug/Kg | 89 | | | | 72 | 117 | |
| 1,1-Biphenyl | 1900 | 0 | 2000 | ug/Kg | 105 | | | | 75 | 113 | |
| 2-Chloronaphthalene | 1900 | 0 | 1800 | ug/Kg | 95 | | | | 67 | 118 | |
| 2-Nitroaniline | 1900 | 0 | 1800 | ug/Kg | 95 | | | | 69 | 127 | |
| Dimethylphthalate | 1900 | 0 | 1800 | ug/Kg | 95 | | | | 70 | 113 | |
| Acenaphthylene | 1900 | 0 | 1800 | ug/Kg | 95 | | | | 79 | 118 | |
| 2,6-Dinitrotoluene | 1900 | 0 | 1800 | ug/Kg | 95 | | | | 70 | 125 | |
| 3-Nitroaniline | 1900 | 0 | 820 | ug/Kg | 43 | | | | 30 | 99 | |
| Acenaphthene | 1900 | 110 | 1800 | ug/Kg | 89 | | | | 70 | 121 | |
| 2,4-Dinitrophenol | 3700 | 0 | 1900 | ug/Kg | 51 | | | | 10 | 155 | |
| 4-Nitrophenol | 3700 | 0 | 3200 | ug/Kg | 86 | | | | 45 | 133 | |
| Dibenzofuran | 1900 | 0 | 1700 | ug/Kg | 89 | | | | 72 | 110 | |
| 2,4-Dinitrotoluene | 1900 | 0 | 1700 | ug/Kg | 89 | | | | 55 | 128 | |
| Diethylphthalate | 1900 | 0 | 1700 | ug/Kg | 89 | | | | 70 | 112 | |
| 4-Chlorophenyl-phenylether | 1900 | 0 | 1700 | ug/Kg | 89 | | | | 71 | 108 | |
| Fluorene | 1900 | 0 | 1700 | ug/Kg | 89 | | | | 68 | 116 | |
| 4-Nitroaniline | 1900 | 0 | 1300 | ug/Kg | 68 | | | | 55 | 120 | |
| 4,6-Dinitro-2-methylphenol | 1900 | 0 | 1200 | ug/Kg | 63 | | | | 10 | 160 | |
| N-Nitrosodiphenylamine | 1900 | 0 | 2000 | ug/Kg | 105 | | | | 73 | 118 | |
| 4-Bromophenyl-phenylether | 1900 | 0 | 1900 | ug/Kg | 100 | | | | 65 | 121 | |
| Hexachlorobenzene | 1900 | 0 | 1900 | ug/Kg | 100 | | | | 67 | 118 | |
| Atrazine | 1900 | 0 | 2500 | ug/Kg | 132 | * | | | 79 | 127 | |

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q1216

**Client:** RU2 Engineering, LLC

**Analytical Method:** SW8270E

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pentachlorophenol | 3700 | 0 | 3100 | ug/Kg | 84 | | | | 47 | 128 | |
| Phenanthrene | 1900 | 1100 | 2700 | ug/Kg | 84 | | | | 52 | 128 | |
| Anthracene | 1900 | 260 | 2000 | ug/Kg | 92 | | | | 62 | 124 | |
| Carbazole | 1900 | 0 | 1800 | ug/Kg | 95 | | | | 59 | 119 | |
| Di-n-butylphthalate | 1900 | 0 | 1900 | ug/Kg | 100 | | | | 69 | 118 | |
| Fluoranthene | 1900 | 2100 | 3300 | ug/Kg | 63 | | | | 44 | 125 | |
| Pyrene | 1900 | 1700 | 2900 | ug/Kg | 63 | | | | 26 | 142 | |
| Butylbenzylphthalate | 1900 | 0 | 1900 | ug/Kg | 100 | | | | 64 | 126 | |
| 3,3-Dichlorobenzidine | 1900 | 0 | 1200 | ug/Kg | 63 | | | | 33 | 116 | |
| Benzo(a)anthracene | 1900 | 1200 | 2800 | ug/Kg | 84 | | | | 71 | 114 | |
| Chrysene | 1900 | 1000 | 2600 | ug/Kg | 84 | | | | 57 | 121 | |
| bis(2-Ethylhexyl)phthalate | 1900 | 0 | 2200 | ug/Kg | 116 | | | | 42 | 169 | |
| Di-n-octyl phthalate | 1900 | 0 | 2700 | ug/Kg | 142 | | | | 23 | 175 | |
| Benzo(b)fluoranthene | 1900 | 1400 | 2900 | ug/Kg | 79 | | | | 67 | 121 | |
| Benzo(k)fluoranthene | 1900 | 530 | 2200 | ug/Kg | 88 | | | | 57 | 134 | |
| Benzo(a)pyrene | 1900 | 1300 | 2800 | ug/Kg | 79 | | | | 70 | 142 | |
| Indeno(1,2,3-cd)pyrene | 1900 | 550 | 1900 | ug/Kg | 71 | | | | 40 | 129 | |
| Dibenz(a,h)anthracene | 1900 | 180 | 1600 | ug/Kg | 75 | | | | 43 | 123 | |
| Benzo(g,h,i)perylene | 1900 | 620 | 1800 | ug/Kg | 62 | | | | 24 | 125 | |
| 1,2,4,5-Tetrachlorobenzene | 1900 | 0 | 2000 | ug/Kg | 105 | | | | 69 | 124 | |
| 1,4-Dioxane | 1900 | 0 | 1800 | ug/Kg | 95 | | | | 46 | 112 | |
| 2,3,4,6-Tetrachlorophenol | 1900 | 0 | 1600 | ug/Kg | 84 | | | | 69 | 112 | |

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q1216

**Client:** RU2 Engineering, LLC

**Analytical Method:** SW8270E

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: Q1215-03MSD** | | **Client Sample ID: JPP-29.1-012825MSD** | | | | | | **DataFile: BF141574.D** | | | |
| Benzaldehyde | 1900 | 0 | 2200 | ug/Kg | 116 | * | 0 | | 10 | 86 | 20 |
| Phenol | 1900 | 0 | 1600 | ug/Kg | 84 | | 6 | | 67 | 126 | 20 |
| bis(2-Chloroethyl)ether | 1900 | 0 | 1800 | ug/Kg | 95 | | 0 | | 54 | 125 | 20 |
| 2-Chlorophenol | 1900 | 0 | 1700 | ug/Kg | 89 | | 0 | | 79 | 107 | 20 |
| 2-Methylphenol | 1900 | 0 | 1600 | ug/Kg | 84 | | 6 | | 66 | 122 | 20 |
| 2,2-oxybis(1-Chloropropane) | 1900 | 0 | 1700 | ug/Kg | 89 | | 0 | | 65 | 110 | 20 |
| Acetophenone | 1900 | 0 | 1800 | ug/Kg | 95 | | 10 | | 75 | 111 | 20 |
| 3+4-Methylphenols | 1900 | 0 | 1600 | ug/Kg | 84 | | 6 | | 66 | 104 | 20 |
| N-Nitroso-di-n-propylamine | 1900 | 0 | 1700 | ug/Kg | 89 | | 0 | | 59 | 119 | 20 |
| Hexachloroethane | 1900 | 0 | 1700 | ug/Kg | 89 | | 0 | | 65 | 117 | 20 |
| Nitrobenzene | 1900 | 0 | 1700 | ug/Kg | 89 | | 0 | | 70 | 119 | 20 |
| Isophorone | 1900 | 0 | 1700 | ug/Kg | 89 | | 12 | | 76 | 122 | 20 |
| 2-Nitrophenol | 1900 | 0 | 1700 | ug/Kg | 89 | | 7 | | 54 | 145 | 20 |
| 2,4-Dimethylphenol | 1900 | 0 | 2100 | ug/Kg | 111 | | 4 | | 44 | 135 | 20 |
| bis(2-Chloroethoxy)methane | 1900 | 0 | 1700 | ug/Kg | 89 | | 7 | | 68 | 112 | 20 |
| 2,4-Dichlorophenol | 1900 | 0 | 1600 | ug/Kg | 84 | | 6 | | 72 | 118 | 20 |
| Naphthalene | 1900 | 0 | 1700 | ug/Kg | 89 | | 7 | | 72 | 110 | 20 |
| 4-Chloroaniline | 1900 | 0 | 350 | ug/Kg | 18 | | 11 | | 10 | 91 | 20 |
| Hexachlorobutadiene | 1900 | 0 | 1700 | ug/Kg | 89 | | 12 | | 66 | 114 | 20 |
| Caprolactam | 1900 | 0 | 1800 | ug/Kg | 95 | | 5 | | 51 | 134 | 20 |
| 4-Chloro-3-methylphenol | 1900 | 0 | 1500 | ug/Kg | 79 | | 6 | | 57 | 132 | 20 |
| 2-Methylnaphthalene | 1900 | 0 | 1600 | ug/Kg | 84 | | 6 | | 59 | 123 | 20 |
| Hexachlorocyclopentadiene | 3700 | 0 | 1800 | ug/Kg | 49 | | 15 | | 10 | 175 | 20 |
| 2,4,6-Trichlorophenol | 1900 | 0 | 1700 | ug/Kg | 89 | | 7 | | 72 | 117 | 20 |
| 2,4,5-Trichlorophenol | 1900 | 0 | 1600 | ug/Kg | 84 | | 6 | | 72 | 117 | 20 |
| 1,1-Biphenyl | 1900 | 0 | 1900 | ug/Kg | 100 | | 5 | | 75 | 113 | 20 |
| 2-Chloronaphthalene | 1900 | 0 | 1700 | ug/Kg | 89 | | 7 | | 67 | 118 | 20 |
| 2-Nitroaniline | 1900 | 0 | 1700 | ug/Kg | 89 | | 7 | | 69 | 127 | 20 |
| Dimethylphthalate | 1900 | 0 | 1700 | ug/Kg | 89 | | 7 | | 70 | 113 | 20 |
| Acenaphthylene | 1900 | 0 | 1700 | ug/Kg | 89 | | 7 | | 79 | 118 | 20 |
| 2,6-Dinitrotoluene | 1900 | 0 | 1600 | ug/Kg | 84 | | 12 | | 70 | 125 | 20 |
| 3-Nitroaniline | 1900 | 0 | 800 | ug/Kg | 42 | | 2 | | 30 | 99 | 20 |
| Acenaphthene | 1900 | 110 | 1700 | ug/Kg | 84 | | 6 | | 70 | 121 | 20 |
| 2,4-Dinitrophenol | 3700 | 0 | 1600 | ug/Kg | 43 | | 17 | | 10 | 155 | 20 |
| 4-Nitrophenol | 3700 | 0 | 3000 | ug/Kg | 81 | | 6 | | 45 | 133 | 20 |
| Dibenzofuran | 1900 | 0 | 1600 | ug/Kg | 84 | | 6 | | 72 | 110 | 20 |
| 2,4-Dinitrotoluene | 1900 | 0 | 1600 | ug/Kg | 84 | | 6 | | 55 | 128 | 20 |
| Diethylphthalate | 1900 | 0 | 1600 | ug/Kg | 84 | | 6 | | 70 | 112 | 20 |
| 4-Chlorophenyl-phenylether | 1900 | 0 | 1600 | ug/Kg | 84 | | 6 | | 71 | 108 | 20 |
| Fluorene | 1900 | 0 | 1600 | ug/Kg | 84 | | 6 | | 68 | 116 | 20 |
| 4-Nitroaniline | 1900 | 0 | 1200 | ug/Kg | 63 | | 8 | | 55 | 120 | 20 |
| 4,6-Dinitro-2-methylphenol | 1900 | 0 | 1000 | ug/Kg | 53 | | 17 | | 10 | 160 | 20 |
| N-Nitrosodiphenylamine | 1900 | 0 | 1900 | ug/Kg | 100 | | 5 | | 73 | 118 | 20 |
| 4-Bromophenyl-phenylether | 1900 | 0 | 1800 | ug/Kg | 95 | | 5 | | 65 | 121 | 20 |
| Hexachlorobenzene | 1900 | 0 | 1700 | ug/Kg | 89 | | 12 | | 67 | 118 | 20 |
| Atrazine | 1900 | 0 | 2300 | ug/Kg | 121 | | 9 | | 79 | 127 | 20 |

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**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q1216

**Client:** RU2 Engineering, LLC

**Analytical Method:** SW8270E

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pentachlorophenol | 3700 | 0 | 3000 | ug/Kg | 81 | | 4 | | 47 | 128 | 20 |
| Phenanthrene | 1900 | 1100 | 2500 | ug/Kg | 74 | | 13 | | 52 | 128 | 20 |
| Anthracene | 1900 | 260 | 1900 | ug/Kg | 86 | | 7 | | 62 | 124 | 20 |
| Carbazole | 1900 | 0 | 1700 | ug/Kg | 89 | | 7 | | 59 | 119 | 20 |
| Di-n-butylphthalate | 1900 | 0 | 1800 | ug/Kg | 95 | | 5 | | 69 | 118 | 20 |
| Fluoranthene | 1900 | 2100 | 3100 | ug/Kg | 53 | | 17 | | 44 | 125 | 20 |
| Pyrene | 1900 | 1700 | 2700 | ug/Kg | 53 | | 17 | | 26 | 142 | 20 |
| Butylbenzylphthalate | 1900 | 0 | 1700 | ug/Kg | 89 | | 12 | | 64 | 126 | 20 |
| 3,3-Dichlorobenzidine | 1900 | 0 | 1300 | ug/Kg | 68 | | 8 | | 33 | 116 | 20 |
| Benzo(a)anthracene | 1900 | 1200 | 2700 | ug/Kg | 79 | | 6 | | 71 | 114 | 20 |
| Chrysene | 1900 | 1000 | 2500 | ug/Kg | 79 | | 6 | | 57 | 121 | 20 |
| bis(2-Ethylhexyl)phthalate | 1900 | 0 | 2100 | ug/Kg | 111 | | 4 | | 42 | 169 | 20 |
| Di-n-octyl phthalate | 1900 | 0 | 2500 | ug/Kg | 132 | | 7 | | 23 | 175 | 20 |
| Benzo(b)fluoranthene | 1900 | 1400 | 2800 | ug/Kg | 74 | | 7 | | 67 | 121 | 20 |
| Benzo(k)fluoranthene | 1900 | 530 | 1900 | ug/Kg | 72 | | 20 | | 57 | 134 | 20 |
| Benzo(a)pyrene | 1900 | 1300 | 2700 | ug/Kg | 74 | | 7 | | 70 | 142 | 20 |
| Indeno(1,2,3-cd)pyrene | 1900 | 550 | 1800 | ug/Kg | 66 | | 7 | | 40 | 129 | 20 |
| Dibenz(a,h)anthracene | 1900 | 180 | 1500 | ug/Kg | 69 | | 8 | | 43 | 123 | 20 |
| Benzo(g,h,i)perylene | 1900 | 620 | 1700 | ug/Kg | 57 | | 8 | | 24 | 125 | 20 |
| 1,2,4,5-Tetrachlorobenzene | 1900 | 0 | 1900 | ug/Kg | 100 | | 5 | | 69 | 124 | 20 |
| 1,4-Dioxane | 1900 | 0 | 1900 | ug/Kg | 100 | | 5 | | 46 | 112 | 20 |
| 2,3,4,6-Tetrachlorophenol | 1900 | 0 | 1500 | ug/Kg | 79 | | 6 | | 69 | 112 | 20 |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1216

**Client:** RU2 Engineering, LLC

**Analytical Method:** 8270E **DataFile:** BF141405.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB166360BS | Benzaldehyde | 1700 | 1600 | ug/Kg | 94 | | | | 10 | 133 | |
| | Phenol | 1700 | 1300 | ug/Kg | 76 | | | | 62 | 112 | |
| | bis(2-Chloroethyl)ether | 1700 | 1300 | ug/Kg | 76 | | | | 60 | 101 | |
| | 2-Chlorophenol | 1700 | 1400 | ug/Kg | 82 | | | | 65 | 112 | |
| | 2-Methylphenol | 1700 | 1400 | ug/Kg | 82 | | | | 61 | 108 | |
| | 2,2-oxybis(1-Chloropropane) | 1700 | 1300 | ug/Kg | 76 | | | | 51 | 100 | |
| | Acetophenone | 1700 | 1600 | ug/Kg | 94 | | | | 66 | 98 | |
| | 3+4-Methylphenols | 1700 | 1400 | ug/Kg | 82 | | | | 58 | 111 | |
| | N-Nitroso-di-n-propylamine | 1700 | 1400 | ug/Kg | 82 | | | | 63 | 95 | |
| | Hexachloroethane | 1700 | 1400 | ug/Kg | 82 | | | | 72 | 108 | |
| | Nitrobenzene | 1700 | 1300 | ug/Kg | 76 | | | | 57 | 101 | |
| | Isophorone | 1700 | 1400 | ug/Kg | 82 | | | | 59 | 99 | |
| | 2-Nitrophenol | 1700 | 1400 | ug/Kg | 82 | | | | 61 | 111 | |
| | 2,4-Dimethylphenol | 1700 | 1700 | ug/Kg | 100 | | | | 46 | 141 | |
| | bis(2-Chloroethoxy)methane | 1700 | 1300 | ug/Kg | 76 | | | | 66 | 97 | |
| | 2,4-Dichlorophenol | 1700 | 1400 | ug/Kg | 82 | | | | 62 | 107 | |
| | Naphthalene | 1700 | 1400 | ug/Kg | 82 | | | | 62 | 100 | |
| | 4-Chloroaniline | 1700 | 610 | ug/Kg | 36 | | | | 16 | 100 | |
| | Hexachlorobutadiene | 1700 | 1400 | ug/Kg | 82 | | | | 53 | 98 | |
| | Caprolactam | 1700 | 1500 | ug/Kg | 88 | | | | 67 | 110 | |
| | 4-Chloro-3-methylphenol | 1700 | 1500 | ug/Kg | 88 | | | | 58 | 112 | |
| | 2-Methylnaphthalene | 1700 | 1300 | ug/Kg | 76 | | | | 60 | 104 | |
| | Hexachlorocyclopentadiene | 3300 | 6300 | ug/Kg | 191 | | * | | 45 | 165 | |
| | 2,4,6-Trichlorophenol | 1700 | 1500 | ug/Kg | 88 | | | | 59 | 102 | |
| | 2,4,5-Trichlorophenol | 1700 | 1400 | ug/Kg | 82 | | | | 61 | 98 | |
| | 1,1-Biphenyl | 1700 | 1600 | ug/Kg | 94 | | | | 57 | 103 | |
| | 2-Chloronaphthalene | 1700 | 1400 | ug/Kg | 82 | | | | 58 | 99 | |
| | 2-Nitroaniline | 1700 | 1500 | ug/Kg | 88 | | | | 66 | 101 | |
| | Dimethylphthalate | 1700 | 1400 | ug/Kg | 82 | | | | 61 | 99 | |
| | Acenaphthylene | 1700 | 1500 | ug/Kg | 88 | | | | 63 | 101 | |
| | 2,6-Dinitrotoluene | 1700 | 1400 | ug/Kg | 82 | | | | 61 | 104 | |
| | 3-Nitroaniline | 1700 | 770 | ug/Kg | 45 | | | | 28 | 100 | |
| | Acenaphthene | 1700 | 1600 | ug/Kg | 94 | | | | 57 | 104 | |
| | 2,4-Dinitrophenol | 3300 | 3700 | ug/Kg | 112 | | | | 37 | 128 | |
| | 4-Nitrophenol | 3300 | 3300 | ug/Kg | 100 | | | | 48 | 119 | |
| | Dibenzofuran | 1700 | 1400 | ug/Kg | 82 | | | | 63 | 99 | |
| | 2,4-Dinitrotoluene | 1700 | 1500 | ug/Kg | 88 | | | | 60 | 106 | |
| | Diethylphthalate | 1700 | 1400 | ug/Kg | 82 | | | | 60 | 101 | |
| | 4-Chlorophenyl-phenylether | 1700 | 1400 | ug/Kg | 82 | | | | 58 | 98 | |
| | Fluorene | 1700 | 1500 | ug/Kg | 88 | | | | 61 | 101 | |
| | 4-Nitroaniline | 1700 | 1400 | ug/Kg | 82 | | | | 64 | 103 | |
| | 4,6-Dinitro-2-methylphenol | 1700 | 1700 | ug/Kg | 100 | | | | 76 | 113 | |
| | N-Nitrosodiphenylamine | 1700 | 1500 | ug/Kg | 88 | | | | 71 | 99 | |
| | 4-Bromophenyl-phenylether | 1700 | 1400 | ug/Kg | 82 | | | | 66 | 102 | |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1216

**Client:** RU2 Engineering, LLC

**Analytical Method:** 8270E **DataFile:** BF141405.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB166360BS | Hexachlorobenzene | 1700 | 1400 | ug/Kg | 82 | | | | 64 | 98 | |
| | Atrazine | 1700 | 1700 | ug/Kg | 100 | | | | 47 | 152 | |
| | Pentachlorophenol | 3300 | 3200 | ug/Kg | 97 | | | | 67 | 105 | |
| | Phenanthrene | 1700 | 1500 | ug/Kg | 88 | | | | 59 | 103 | |
| | Anthracene | 1700 | 1600 | ug/Kg | 94 | | | | 61 | 105 | |
| | Carbazole | 1700 | 1500 | ug/Kg | 88 | | | | 61 | 99 | |
| | Di-n-butylphthalate | 1700 | 1500 | ug/Kg | 88 | | | | 58 | 104 | |
| | Fluoranthene | 1700 | 1600 | ug/Kg | 94 | | | | 57 | 107 | |
| | Pyrene | 1700 | 1200 | ug/Kg | 71 | | | | 59 | 103 | |
| | Butylbenzylphthalate | 1700 | 1400 | ug/Kg | 82 | | | | 55 | 103 | |
| | 3,3-Dichlorobenzidine | 1700 | 690 | ug/Kg | 41 | | * | | 42 | 91 | |
| | Benzo(a)anthracene | 1700 | 1300 | ug/Kg | 76 | | | | 60 | 102 | |
| | Chrysene | 1700 | 1400 | ug/Kg | 82 | | | | 59 | 101 | |
| | bis(2-Ethylhexyl)phthalate | 1700 | 1500 | ug/Kg | 88 | | | | 54 | 135 | |
| | Di-n-octyl phthalate | 1700 | 1500 | ug/Kg | 88 | | | | 52 | 137 | |
| | Benzo(b)fluoranthene | 1700 | 1500 | ug/Kg | 88 | | | | 62 | 109 | |
| | Benzo(k)fluoranthene | 1700 | 1500 | ug/Kg | 88 | | | | 62 | 109 | |
| | Benzo(a)pyrene | 1700 | 1600 | ug/Kg | 94 | | | | 63 | 103 | |
| | Indeno(1,2,3-cd)pyrene | 1700 | 1400 | ug/Kg | 82 | | | | 63 | 101 | |
| | Dibenz(a,h)anthracene | 1700 | 1400 | ug/Kg | 82 | | | | 61 | 112 | |
| | Benzo(g,h,i)perylene | 1700 | 1300 | ug/Kg | 76 | | | | 70 | 108 | |
| | 1,2,4,5-Tetrachlorobenzene | 1700 | 1600 | ug/Kg | 94 | | | | 53 | 101 | |
| | 1,4-Dioxane | 1700 | 1300 | ug/Kg | 76 | | | | 50 | 96 | |
| | 2,3,4,6-Tetrachlorophenol | 1700 | 1600 | ug/Kg | 94 | | | | 59 | 108 | |

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166360BL

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

Lab File ID: BF141404.D Lab Sample ID: PB166360BL

Instrument ID: BNA_F Date Extracted: 01/30/2025

Matrix: (soil/water) SOIL Date Analyzed: 02/04/2025

Level: (low/med) LOW Time Analyzed: 13:21

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| PB166360BS | PB166360BS | BF141405.D | 02/04/2025 |
| JPP-21.1-012825 | Q1216-07 | BF141516.D | 02/07/2025 |
| JPP-18.1-012825 | Q1216-03 | BF141517.D | 02/07/2025 |
| JPP-26.1-012825 | Q1216-15 | BF141520.D | 02/07/2025 |
| JPP-29.1-012825MS | Q1215-03MS | BF141573.D | 02/11/2025 |
| JPP-29.1-012825MSD | Q1215-03MSD | BF141574.D | 02/11/2025 |
| JPP-21.2-012825 | Q1216-11 | BF141392.D | 02/04/2025 |
| JPP-26.2-012825 | Q1216-19 | BF141391.D | 02/04/2025 |

COMMENTS:

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**5B**

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

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1216 SDG NO.: Q1216

Lab File ID: BF141289.D DFTPP Injection Date: 01/29/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:03

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 41.1 |
| 68 | Less than 2.0% of mass 69 | 0.6 ( 1.7 ) 1 |
| 69 | Mass 69 relative abundance | 35.1 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.6 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 47.1 |
| 197 | Less than 2.0% of mass 198 | 0.0 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.6 |
| 275 | 10.0 - 60.0% of mass 198 | 26.5 |
| 365 | Greater than 1% of mass 198 | 3.2 |
| 441 | Present, but less than mass 443 | 13.5 |
| 442 | Greater than 50% of mass 198 | 83.6 |
| 443 | 15.0 - 24.0% of mass 442 | 16.2 (19.4) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDICC2.5 | SSTDICC2.5 | BF141290.D | 01/29/2025 | 10:30 |
| SSTDICC005 | SSTDICC005 | BF141291.D | 01/29/2025 | 10:56 |
| SSTDICC010 | SSTDICC010 | BF141292.D | 01/29/2025 | 11:49 |
| SSTDICC020 | SSTDICC020 | BF141293.D | 01/29/2025 | 15:17 |
| SSTDICCC040 | SSTDICCC040 | BF141294.D | 01/29/2025 | 15:45 |
| SSTDICC050 | SSTDICC050 | BF141295.D | 01/29/2025 | 16:11 |
| SSTDICC060 | SSTDICC060 | BF141296.D | 01/29/2025 | 16:38 |
| SSTDICC080 | SSTDICC080 | BF141297.D | 01/29/2025 | 17:05 |

Raw Data: **BF141372.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1216 SDG NO.: Q1216

Lab File ID: BF141372.D DFTPP Injection Date: 02/03/2025

Instrument ID: BNA_F DFTPP Injection Time: 16:43

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 44.1 |
| 68 | Less than 2.0% of mass 69 | 0.8 ( 2 ) 1 |
| 69 | Mass 69 relative abundance | 37.8 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.6 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 50.3 |
| 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 | 6.9 |
| 275 | 10.0 - 60.0% of mass 198 | 26.7 |
| 365 | Greater than 1% of mass 198 | 3.2 |
| 441 | Present, but less than mass 443 | 12.1 |
| 442 | Greater than 50% of mass 198 | 75.7 |
| 443 | 15.0 - 24.0% of mass 442 | 14.7 (19.5) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BF141373.D | 02/03/2025 | 17:14 |
| JPP-26.2-012825 | Q1216-19 | BF141391.D | 02/04/2025 | 01:16 |
| JPP-21.2-012825 | Q1216-11 | BF141392.D | 02/04/2025 | 01:42 |

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**5B**

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

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1216 SDG NO.: Q1216

Lab File ID: BF141397.D DFTPP Injection Date: 02/04/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:16

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 43.3 |
| 68 | Less than 2.0% of mass 69 | 0.7 ( 1.9 ) 1 |
| 69 | Mass 69 relative abundance | 38.1 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.6 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 49.4 |
| 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 | 6.8 |
| 275 | 10.0 - 60.0% of mass 198 | 26.5 |
| 365 | Greater than 1% of mass 198 | 3 |
| 441 | Present, but less than mass 443 | 12.2 |
| 442 | Greater than 50% of mass 198 | 73.2 |
| 443 | 15.0 - 24.0% of mass 442 | 14.4 (19.7) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BF141398.D | 02/04/2025 | 10:42 |
| PB166360BL | PB166360BL | BF141404.D | 02/04/2025 | 13:21 |
| PB166360BS | PB166360BS | BF141405.D | 02/04/2025 | 13:47 |

Raw Data: **BF141471.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1216 SDG NO.: Q1216

Lab File ID: BF141471.D DFTPP Injection Date: 02/06/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:41

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 43.2 |
| 68 | Less than 2.0% of mass 69 | 0.7 ( 1.9 ) 1 |
| 69 | Mass 69 relative abundance | 36.7 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.5 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 49.1 |
| 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 | 6.8 |
| 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 | 12.2 |
| 442 | Greater than 50% of mass 198 | 75.9 |
| 443 | 15.0 - 24.0% of mass 442 | 14.4 (18.9) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDICC2.5 | SSTDICC2.5 | BF141472.D | 02/06/2025 | 11:07 |
| SSTDICC005 | SSTDICC005 | BF141473.D | 02/06/2025 | 11:34 |
| SSTDICC010 | SSTDICC010 | BF141474.D | 02/06/2025 | 12:00 |
| SSTDICC020 | SSTDICC020 | BF141475.D | 02/06/2025 | 12:26 |
| SSTDICCC040 | SSTDICCC040 | BF141476.D | 02/06/2025 | 12:55 |
| SSTDICC050 | SSTDICC050 | BF141477.D | 02/06/2025 | 13:21 |
| SSTDICC060 | SSTDICC060 | BF141478.D | 02/06/2025 | 13:47 |
| SSTDICC080 | SSTDICC080 | BF141479.D | 02/06/2025 | 14:14 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1216 SDG NO.: Q1216

Lab File ID: BF141505.D DFTPP Injection Date: 02/07/2025

Instrument ID: BNA_F DFTPP Injection Time: 14:07

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 40.6 |
| 68 | Less than 2.0% of mass 69 | 0.6 ( 1.7 ) 1 |
| 69 | Mass 69 relative abundance | 35.7 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.7 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 47.6 |
| 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 | 6.7 |
| 275 | 10.0 - 60.0% of mass 198 | 27.1 |
| 365 | Greater than 1% of mass 198 | 3.3 |
| 441 | Present, but less than mass 443 | 13.6 |
| 442 | Greater than 50% of mass 198 | 84.4 |
| 443 | 15.0 - 24.0% of mass 442 | 15.3 (18.1) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BF141506.D | 02/07/2025 | 14:33 |
| JPP-21.1-012825 | Q1216-07 | BF141516.D | 02/07/2025 | 19:02 |
| JPP-18.1-012825 | Q1216-03 | BF141517.D | 02/07/2025 | 19:28 |
| JPP-26.1-012825 | Q1216-15 | BF141520.D | 02/07/2025 | 20:47 |

Raw Data: **BF141530.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1216 SDG NO.: Q1216

Lab File ID: BF141530.D DFTPP Injection Date: 02/10/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:08

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 43.6 |
| 68 | Less than 2.0% of mass 69 | 0.7 ( 1.9 ) 1 |
| 69 | Mass 69 relative abundance | 37.3 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.5 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 49.9 |
| 197 | Less than 2.0% of mass 198 | 0.0 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.6 |
| 275 | 10.0 - 60.0% of mass 198 | 27.1 |
| 365 | Greater than 1% of mass 198 | 3.4 |
| 441 | Present, but less than mass 443 | 12.7 |
| 442 | Greater than 50% of mass 198 | 79 |
| 443 | 15.0 - 24.0% of mass 442 | 15.4 (19.5) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BF141531.D | 02/10/2025 | 11:34 |
| JPP-26.1-012825DL | Q1216-15DL | BF141548.D | 02/10/2025 | 21:12 |

Raw Data: **BF141550.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1216 SDG NO.: Q1216

Lab File ID: BF141550.D DFTPP Injection Date: 02/11/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:02

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 41.7 |
| 68 | Less than 2.0% of mass 69 | 0.7 ( 1.9 ) 1 |
| 69 | Mass 69 relative abundance | 36.4 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.7 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 48.6 |
| 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 | 6.7 |
| 275 | 10.0 - 60.0% of mass 198 | 28.2 |
| 365 | Greater than 1% of mass 198 | 3.3 |
| 441 | Present, but less than mass 443 | 13.1 |
| 442 | Greater than 50% of mass 198 | 81.9 |
| 443 | 15.0 - 24.0% of mass 442 | 15.6 (19.1) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BF141551.D | 02/11/2025 | 10:28 |
| JPP-29.1-012825MS | Q1215-03MS | BF141573.D | 02/11/2025 | 20:11 |
| JPP-29.1-012825MSD | Q1215-03MSD | BF141574.D | 02/11/2025 | 20:38 |

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/03/2025

Lab File ID: BF141373.D Time Analyzed: 17:14

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 | 104167 | 6.798 | 414412 | 8.08 | 226326 | 9.83 |
| | UPPER LIMIT | 208334 | 7.298 | 828824 | 8.581 | 452652 | 10.333 |
| | LOWER LIMIT | 52083.5 | 6.298 | 207206 | 7.581 | 113163 | 9.333 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | JPP-21.2-012825 | 78116 | 6.79 | 291369 | 8.08 | 134383 | 9.83 |
| 02 | JPP-26.2-012825 | 83992 | 6.79 | 310163 | 8.08 | 143586 | 9.83 |

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/03/2025

Lab File ID: BF141373.D Time Analyzed: 17:14

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 | 383558 | 11.322 | 233911 | 13.963 | 231577 | | 15.415 |
| | UPPER LIMIT | 767116 | 11.822 | 467822 | 14.463 | 463154 | | 15.915 |
| | LOWER LIMIT | 191779 | 10.822 | 116956 | 13.463 | 115789 | | 14.915 |
| | EPA SAMPLE NO. | | | | | | | |
| 01 | JPP-21.2-012825 | 196403 | 11.32 | 149766 | 13.96 | 108070 | * | 15.40 |
| 02 | JPP-26.2-012825 | 203961 | 11.32 | 171871 | 13.96 | 127914 | | 15.40 |

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141398.D Time Analyzed: 10:42

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 | 87552 | 6.793 | 331835 | 8.08 | 180473 | 9.83 |
| | UPPER LIMIT | 175104 | 7.293 | 663670 | 8.575 | 360946 | 10.328 |
| | LOWER LIMIT | 43776 | 6.293 | 165918 | 7.575 | 90236.5 | 9.328 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB166360BL | 87808 | 6.79 | 356027 | 8.07 | 197186 | 9.83 |
| 02 | PB166360BS | 88432 | 6.79 | 354444 | 8.08 | 192238 | 9.83 |

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141398.D Time Analyzed: 10:42

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 | 318826 | 11.316 | 235294 | 13.963 | 201713 | 15.421 |
| | UPPER LIMIT | 637652 | 11.816 | 470588 | 14.463 | 403426 | 15.921 |
| | LOWER LIMIT | 159413 | 10.816 | 117647 | 13.463 | 100857 | 14.921 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB166360BL | 341529 | 11.32 | 264448 | 13.96 | 208461 | 15.41 |
| 02 | PB166360BS | 331523 | 11.32 | 256577 | 13.96 | 210910 | 15.42 |

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/07/2025

Lab File ID: BF141506.D Time Analyzed: 14:33

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 | 91880 | 6.787 | 360290 | 8.08 | 198348 | 9.83 |
| | UPPER LIMIT | 183760 | 7.287 | 720580 | 8.575 | 396696 | 10.328 |
| | LOWER LIMIT | 45940 | 6.287 | 180145 | 7.575 | 99174 | 9.328 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | JPP-18.1-012825 | 82228 | 6.79 | 318645 | 8.08 | 157303 | 9.83 |
| 02 | JPP-21.1-012825 | 86290 | 6.79 | 329638 | 8.07 | 156807 | 9.83 |
| 03 | JPP-26.1-012825 | 71035 | 6.79 | 270006 | 8.08 | 131111 | 9.83 |

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/07/2025

Lab File ID: BF141506.D Time Analyzed: 14:33

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 | 340922 | 11.316 | 238177 | | 13.957 | 192868 | 15.416 |
| | UPPER LIMIT | 681844 | 11.816 | 476354 | | 14.457 | 385736 | 15.916 |
| | LOWER LIMIT | 170461 | 10.816 | 119089 | | 13.457 | 96434 | 14.916 |
| | EPA SAMPLE NO. | | | | | | | |
| 01 | JPP-18.1-012825 | 230152 | 11.32 | 150696 | | 13.96 | 115335 | 15.43 |
| 02 | JPP-21.1-012825 | 228703 | 11.32 | 157412 | | 13.96 | 120991 | 15.43 |
| 03 | JPP-26.1-012825 | 197575 | 11.32 | 117908 | * | 13.97 | 102212 | 15.43 |

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/10/2025

Lab File ID: BF141531.D Time Analyzed: 11:34

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 | 91504 | 6.792 | 356056 | 8.08 | 192109 | 9.83 |
| | UPPER LIMIT | 183008 | 7.292 | 712112 | 8.575 | 384218 | 10.327 |
| | LOWER LIMIT | 45752 | 6.292 | 178028 | 7.575 | 96054.5 | 9.327 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | JPP-26.1-012825DL | 74035 | 6.79 | 289660 | 8.07 | 144714 | 9.82 |

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/10/2025

Lab File ID: BF141531.D Time Analyzed: 11:34

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 | 313129 | 11.316 | 193608 | 13.963 | 177316 | 15.439 |
| | UPPER LIMIT | 626258 | 11.816 | 387216 | 14.463 | 354632 | 15.939 |
| | LOWER LIMIT | 156565 | 10.816 | 96804 | 13.463 | 88658 | 14.939 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | JPP-26.1-012825DL | 197252 | 11.31 | 174653 | 13.95 | 154420 | 15.41 |

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/11/2025

Lab File ID: BF141551.D Time Analyzed: 10:28

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 | 100982 | 6.793 | 399334 | 8.08 | 220290 | 9.83 |
| | UPPER LIMIT | 201964 | 7.293 | 798668 | 8.575 | 440580 | 10.328 |
| | LOWER LIMIT | 50491 | 6.293 | 199667 | 7.575 | 110145 | 9.328 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | JPP-29.1-012825MS | 77607 | 6.79 | 287166 | 8.07 | 145781 | 9.82 |
| 02 | JPP-29.1-012825MSD | 77684 | 6.79 | 297197 | 8.07 | 147170 | 9.82 |

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/11/2025

Lab File ID: BF141551.D Time Analyzed: 10:28

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 | 380364 | 11.31 | 221485 | 13.957 | 189149 | 15.41 |
| | UPPER LIMIT | 760728 | 11.81 | 442970 | 14.457 | 378298 | 15.91 |
| | LOWER LIMIT | 190182 | 10.81 | 110743 | 13.457 | 94574.5 | 14.91 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | JPP-29.1-012825MS | 213944 | 11.31 | 166810 | 13.96 | 163116 | 15.40 |
| 02 | JPP-29.1-012825MSD | 213794 | 11.31 | 172116 | 13.96 | 164980 | 15.41 |

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: **BF141517.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-18.1-012825 | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-03 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 83.3 |
| Sample Wt/Vol: | 30.08 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141517.D | 1 | 01/30/25 09:15 | 02/07/25 19:28 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 400 | U | 220 | 400 | ug/Kg |
| 108-95-2 | Phenol | 200 | U | 99.3 | 200 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 200 | U | 100 | 200 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 200 | U | 100 | 200 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 200 | U | 96.5 | 200 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 200 | U | 110 | 200 | ug/Kg |
| 98-86-2 | Acetophenone | 200 | U | 100 | 200 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 400 | U | 95.5 | 400 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 95.8 | U | 48.3 | 95.8 | ug/Kg |
| 67-72-1 | Hexachloroethane | 200 | U | 99.4 | 200 | ug/Kg |
| 98-95-3 | Nitrobenzene | 200 | U | 110 | 200 | ug/Kg |
| 78-59-1 | Isophorone | 200 | U | 100 | 200 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 200 | U | 110 | 200 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 200 | U | 110 | 200 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 200 | U | 100 | 200 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 200 | U | 90.4 | 200 | ug/Kg |
| 91-20-3 | Naphthalene | 200 | U | 98.9 | 200 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 200 | U | 98.9 | 200 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 200 | U | 99.7 | 200 | ug/Kg |
| 105-60-2 | Caprolactam | 400 | U | 100 | 400 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U | 92.8 | 200 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 200 | U | 98.8 | 200 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 400 | UQ | 190 | 400 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 200 | U | 85.5 | 200 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 200 | U | 88.6 | 200 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 200 | U | 100 | 200 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 200 | U | 99.7 | 200 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 200 | U | 110 | 200 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 200 | U | 97.8 | 200 | ug/Kg |

Raw Data: **BF141517.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-18.1-012825 | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-03 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 83.3 |
| Sample Wt/Vol: | 30.08 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141517.D | 1 | 01/30/25 09:15 | 02/07/25 19:28 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 200 | U | 100 | 200 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 200 | U | 99.6 | 200 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 200 | U | 110 | 200 | ug/Kg |
| 83-32-9 | Acenaphthene | 250 | | 97.1 | 200 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 400 | U | 290 | 400 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 400 | U | 140 | 400 | ug/Kg |
| 132-64-9 | Dibenzofuran | 100 | J | 100 | 200 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 200 | U | 100 | 200 | ug/Kg |
| 84-66-2 | Diethylphthalate | 200 | U | 95.9 | 200 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 200 | U | 100 | 200 | ug/Kg |
| 86-73-7 | Fluorene | 220 | | 100 | 200 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 200 | U | 130 | 200 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 400 | U | 140 | 400 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 200 | U | 97.7 | 200 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 200 | U | 94.5 | 200 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 200 | U | 100 | 200 | ug/Kg |
| 1912-24-9 | Atrazine | 200 | U | 110 | 200 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 400 | U | 92.6 | 400 | ug/Kg |
| 85-01-8 | Phenanthrene | 2600 | | 100 | 200 | ug/Kg |
| 120-12-7 | Anthracene | 620 | | 100 | 200 | ug/Kg |
| 86-74-8 | Carbazole | 100 | J | 96.1 | 200 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 200 | U | 100 | 200 | ug/Kg |
| 206-44-0 | Fluoranthene | 2800 | | 97.8 | 200 | ug/Kg |
| 129-00-0 | Pyrene | 2900 | | 99.4 | 200 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 200 | U | 120 | 200 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 400 | UQ | 120 | 400 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 1500 | | 96.6 | 200 | ug/Kg |
| 218-01-9 | Chrysene | 1300 | | 95.2 | 200 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 110 | J | 110 | 200 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 400 | U | 130 | 400 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 1300 | | 97.1 | 200 | ug/Kg |

Raw Data: **BF141517.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-18.1-012825 | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-03 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 83.3 |
| Sample Wt/Vol: | 30.08 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141517.D | 1 | 01/30/25 09:15 | 02/07/25 19:28 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 650 | | 98.9 | 200 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 1300 | | 110 | 200 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 560 | | 93.5 | 200 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 180 | J | 97.2 | 200 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 650 | | 95.9 | 200 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 200 | U | 100 | 200 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 200 | U | 130 | 200 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 200 | U | 89.4 | 200 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 114 | | 18 - 112 | 76% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 112 | | 15 - 107 | 74% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 79.6 | | 18 - 107 | 80% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 77.9 | | 20 - 109 | 78% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 100 | | 10 - 116 | 67% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 73.5 | | 10 - 105 | 73% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 82200 | 6.792 | | | |
| 1146-65-2 | Naphthalene-d8 | 319000 | 8.075 | | | |
| 15067-26-2 | Acenaphthene-d10 | 157000 | 9.828 | | | |
| 1517-22-2 | Phenanthrene-d10 | 230000 | 11.316 | | | |
| 1719-03-5 | Chrysene-d12 | 151000 | 13.963 | | | |
| 1520-96-3 | Perylene-d12 | 115000 | 15.427 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |
| 062016-37-9 | Octane, 2,4,6-trimethyl- | 90.6 | J | | 9.23 | ug/Kg |
| 000581-40-8 | Naphthalene, 2,3-dimethyl- | 100 | J | | 9.49 | ug/Kg |
| 001855-47-6 | 1-Isopropenylnaphthalene | 90.6 | J | | 10.4 | ug/Kg |
| 000119-61-9 | Benzophenone | 220 | J | | 10.5 | ug/Kg |
| 002531-84-2 | Phenanthrene, 2-methyl- | 99.8 | J | | 11.8 | ug/Kg |
| 000832-69-9 | Phenanthrene, 1-methyl- | 250 | J | | 11.8 | ug/Kg |
| 000090-60-8 | Benzaldehyde, 3,5-dichloro-2-hydro | 230 | J | | 11.9 | ug/Kg |

Raw Data: **BF141517.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-18.1-012825 | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-03 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 83.3 |
| Sample Wt/Vol: | 30.08 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141517.D | 1 | 01/30/25 09:15 | 02/07/25 19:28 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 002381-21-7 | Pyrene, 1-methyl- | 150 | J | | 13.0 | ug/Kg |
| 066552-97-4 | 2-Isopropyl-10-methylphenanthrene | 150 | J | | 13.0 | ug/Kg |
| 003353-12-6 | Pyrene, 4-methyl- | 150 | J | | 13.2 | ug/Kg |
| 000479-79-8 | 11H-Benzo[a]fluoren-11-one | 99.0 | J | | 13.8 | ug/Kg |
| 000192-97-2 | Benzo[e]pyrene | 920 | J | | 15.3 | ug/Kg |

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141517.D
Acq On : 07 Feb 2025 19:28
Operator : RC/JU
Sample : Q1216-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Quant Time: Feb 07 22:25:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

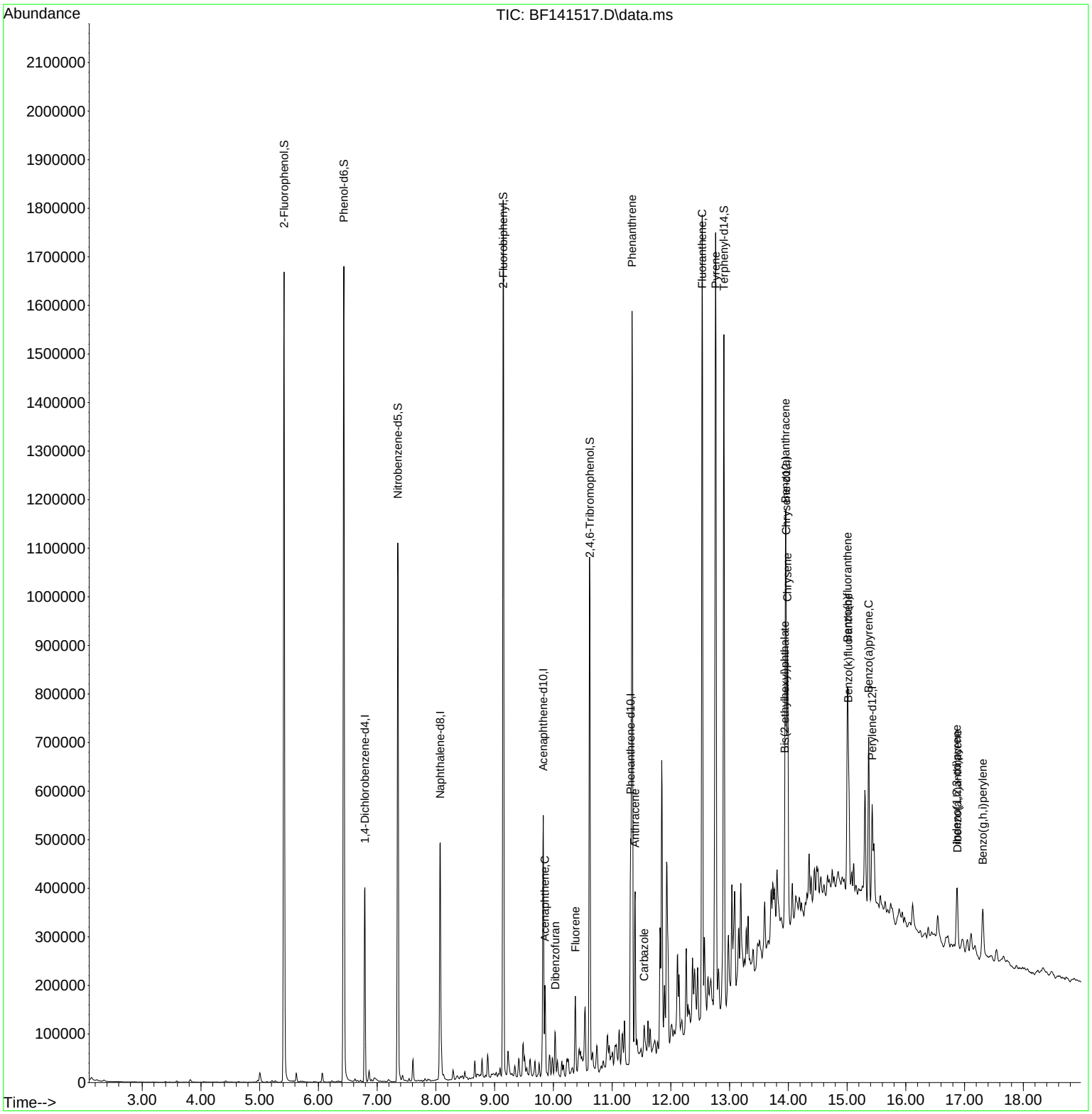
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.792 | 152 | 82228 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.075 | 136 | 318645 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.828 | 164 | 157303 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.316 | 188 | 230152 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.963 | 240 | 150696 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.427 | 264 | 115335 | 20.000 | ng | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.416 | 112 | 596193 | 113.669 | ng | | 0.00 |
| 7) Phenol-d6 | 6.434 | 99 | 739295 | 111.520 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.351 | 82 | 486249 | 79.593 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.622 | 330 | 158241 | 100.141 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.145 | 172 | 795054 | 77.868 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.904 | 244 | 656010 | 73.490 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 52) Acenaphthene | 9.857 | 154 | 55600 | 6.166 | ng | | 97 |
| 55) Dibenzofuran | 10.033 | 168 | 34603 | 2.614 | ng | # | 96 |
| 58) Fluorene | 10.375 | 166 | 55674 | 5.440 | ng | | 99 |
| 71) Phenanthrene | 11.339 | 178 | 830853 | 65.582 | ng | | 100 |
| 72) Anthracene | 11.392 | 178 | 198986 | 15.625 | ng | | 99 |
| 73) Carbazole | 11.545 | 167 | 29099 | 2.539 | ng | | 97 |
| 75) Fluoranthene | 12.533 | 202 | 935117 | 69.622 | ng | | 100 |
| 78) Pyrene | 12.763 | 202 | 940217 | 73.292 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.951 | 228 | 373513 | 37.287 | ng | | 98 |
| 83) Chrysene | 13.986 | 228 | 307547 | 33.250 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.939 | 149 | 13903 | 2.774 | ng | # | 94 |
| 87) Indeno(1,2,3-cd)pyrene | 16.868 | 276 | 99398 | 13.948 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 15.010 | 252 | 256643m | 33.140 | ng | | |
| 89) Benzo(k)fluoranthene | 15.021 | 252 | 108026m | 16.336 | ng | | |
| 90) Benzo(a)pyrene | 15.368 | 252 | 205867 | 32.853 | ng | | 96 |
| 91) Dibenzo(a,h)anthracene | 16.880 | 278 | 25430 | 4.404 | ng | # | 87 |
| 92) Benzo(g,h,i)perylene | 17.309 | 276 | 98423 | 16.288 | ng | | 98 |

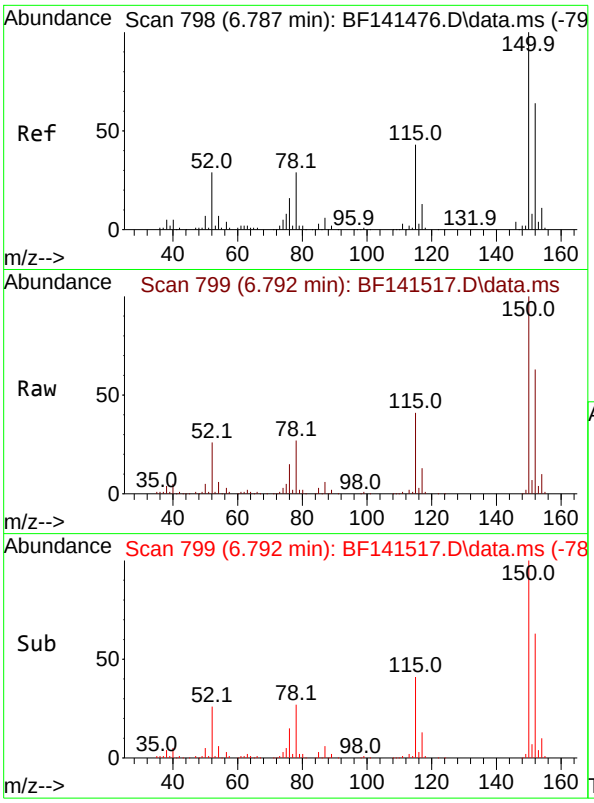
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141517.D
Acq On : 07 Feb 2025 19:28
Operator : RC/JU
Sample : Q1216-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Quant Time: Feb 07 22:25:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



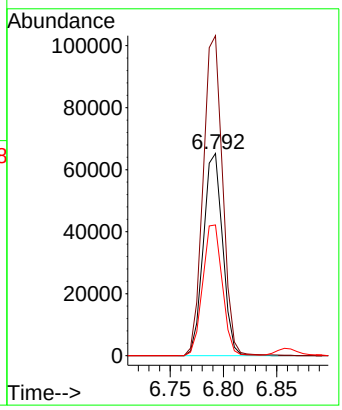


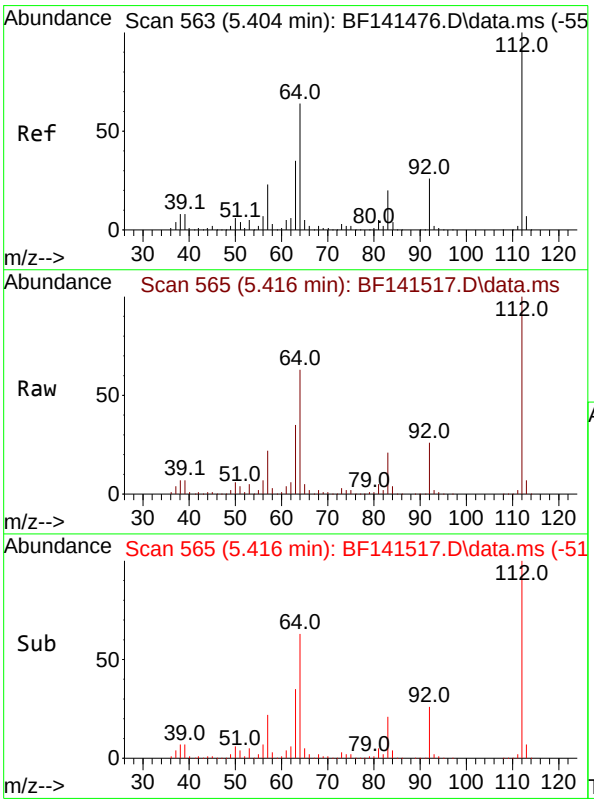

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Tgt Ion:152 Resp: 82228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.3 | 125.0 | 187.4 |
| 115 | 64.7 | 53.6 | 80.4 |

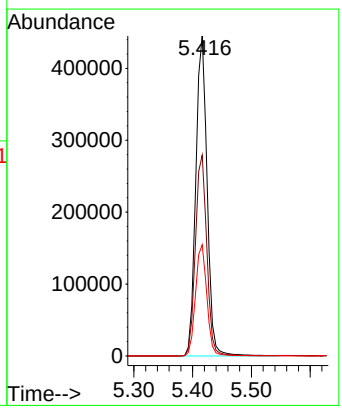


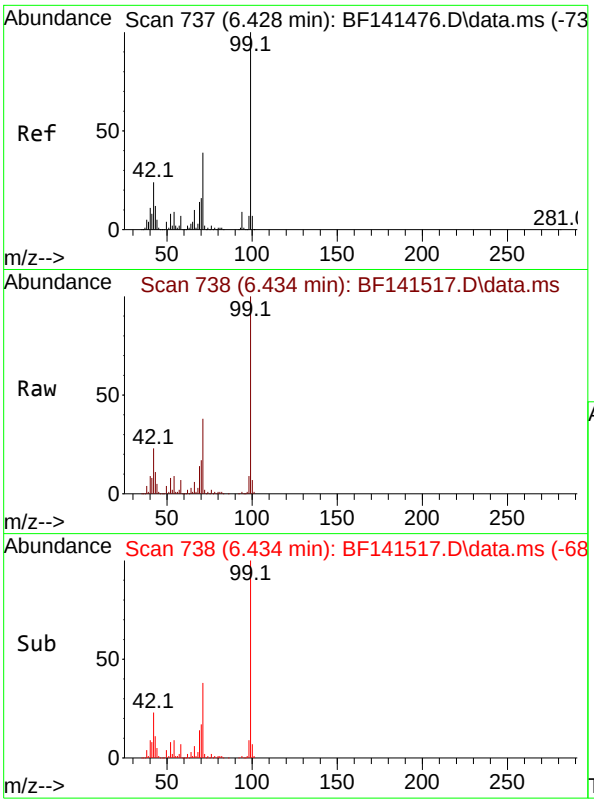




#5
2-Fluorophenol
Concen: 113.669 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:112 Resp: 596193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.7 | 51.1 | 76.7 |
| 63 | 34.8 | 28.4 | 42.6 |



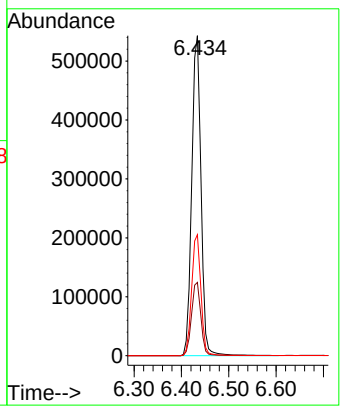


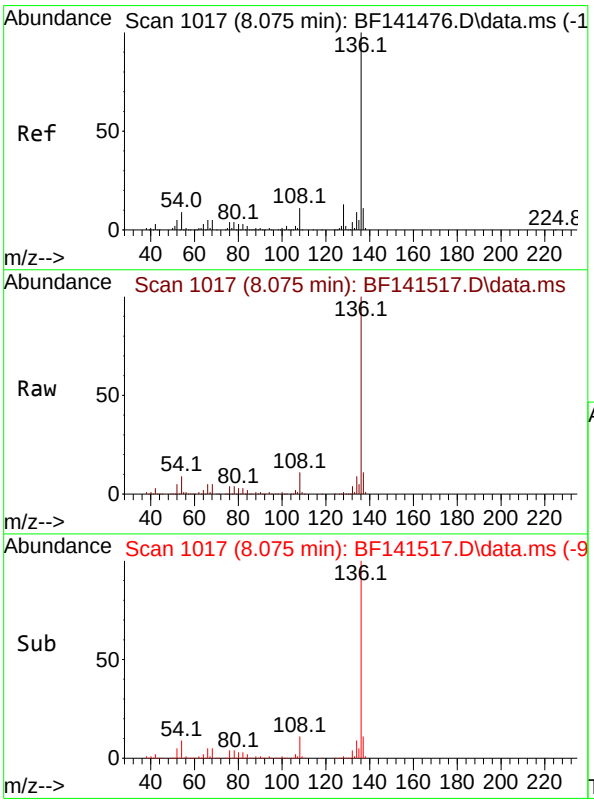

#7
Phenol-d6
Concen: 111.520 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Tgt Ion: 99 Resp: 739295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.9 | 19.1 | 28.7 |
| 71 | 37.8 | 31.1 | 46.7 |

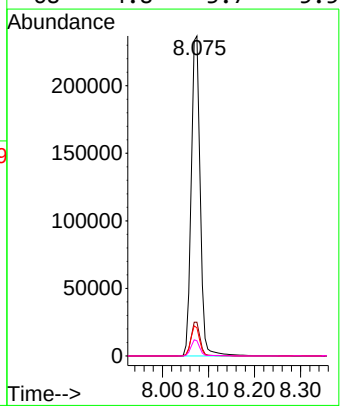


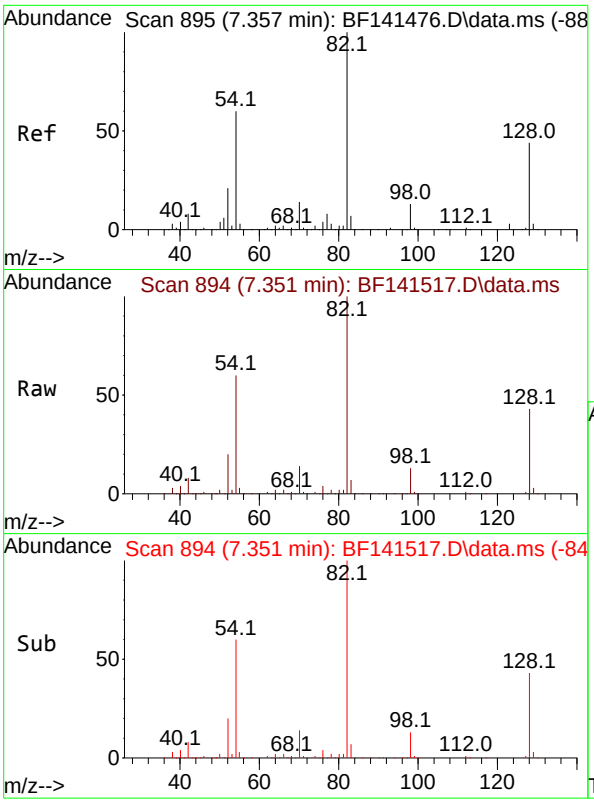




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:136 Resp: 318645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.5 | 8.6 | 13.0 |
| 54 | 8.8 | 7.2 | 10.8 |
| 68 | 4.8 | 3.7 | 5.5 |



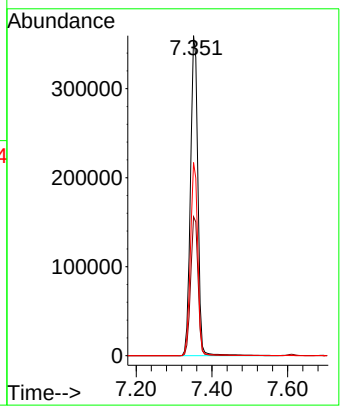


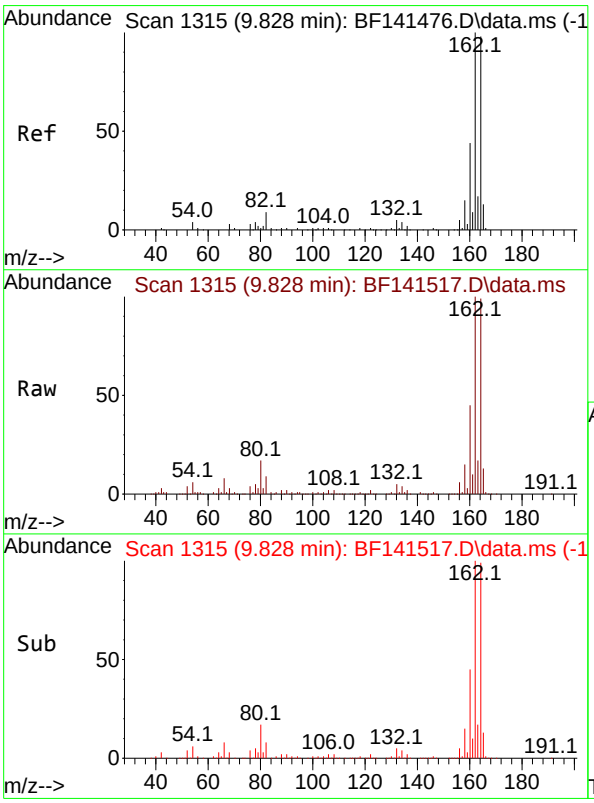

#23
Nitrobenzene-d5
Concen: 79.593 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Tgt Ion: 82 Resp: 486249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.4 | 34.8 | 52.2 |
| 54 | 60.3 | 48.2 | 72.4 |

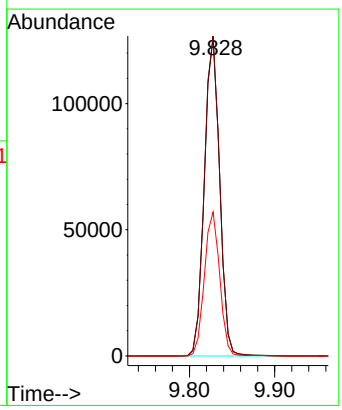


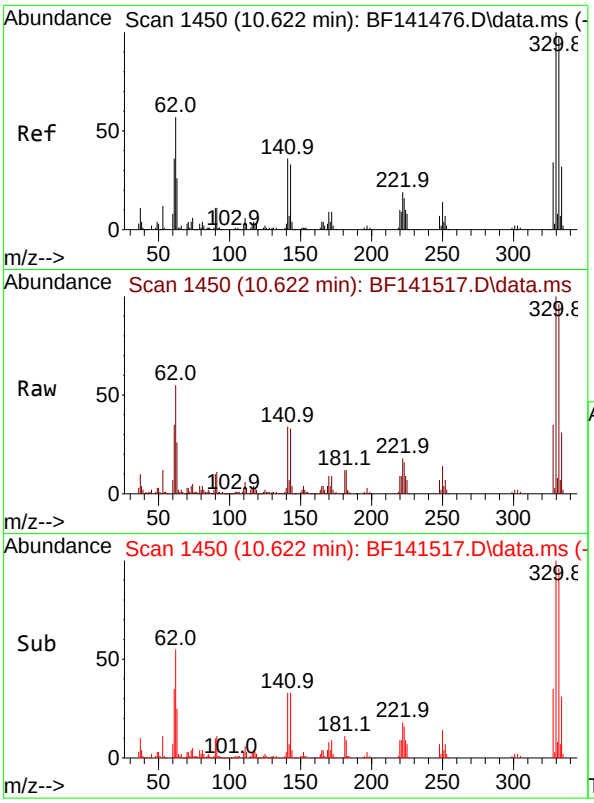




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:164 Resp: 157303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.6 | 81.3 | 121.9 |
| 160 | 45.2 | 35.9 | 53.9 |



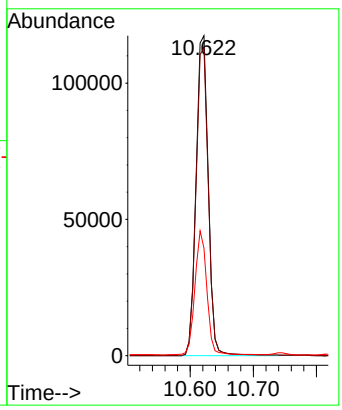


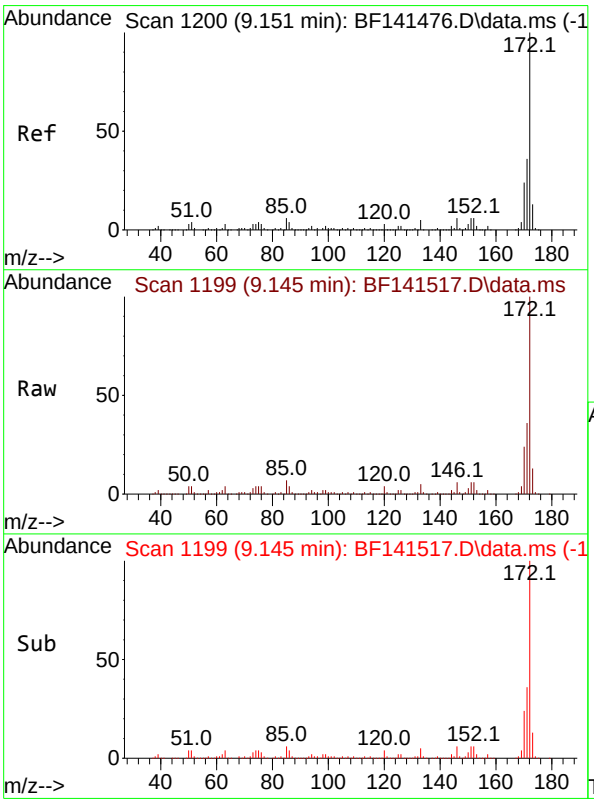

#42
2,4,6-Tribromophenol
Concen: 100.141 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Tgt Ion:330 Resp: 158241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 78.5 | 117.7 |
| 141 | 37.7 | 31.0 | 46.4 |

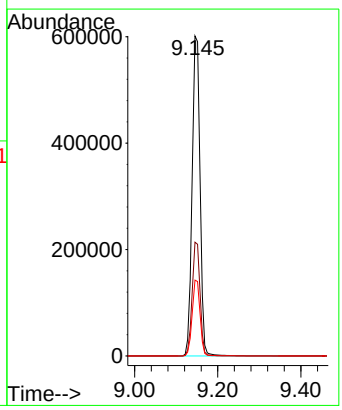


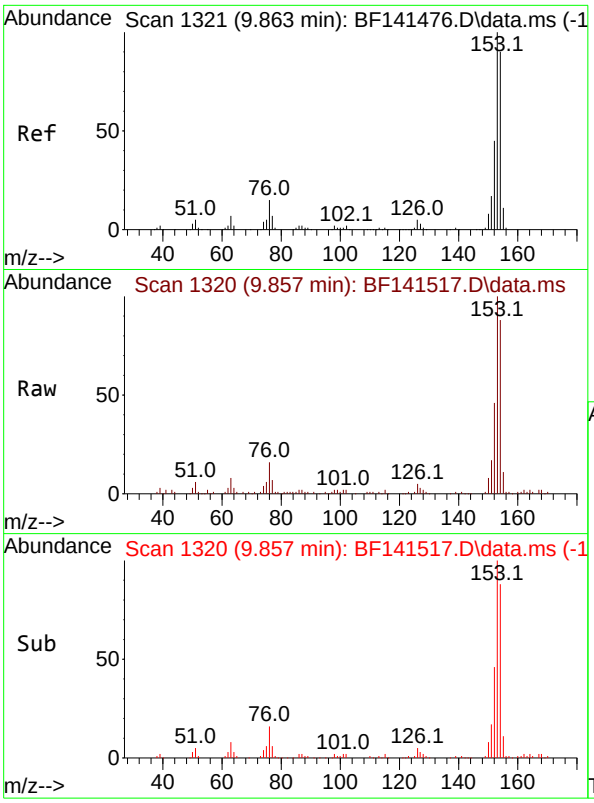




#45
2-Fluorobiphenyl
Concen: 77.868 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:172 Resp: 795054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 28.7 | 43.1 |
| 170 | 23.7 | 18.9 | 28.3 |



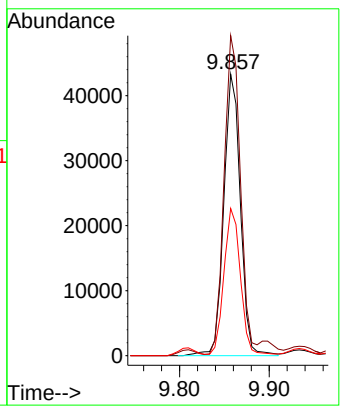


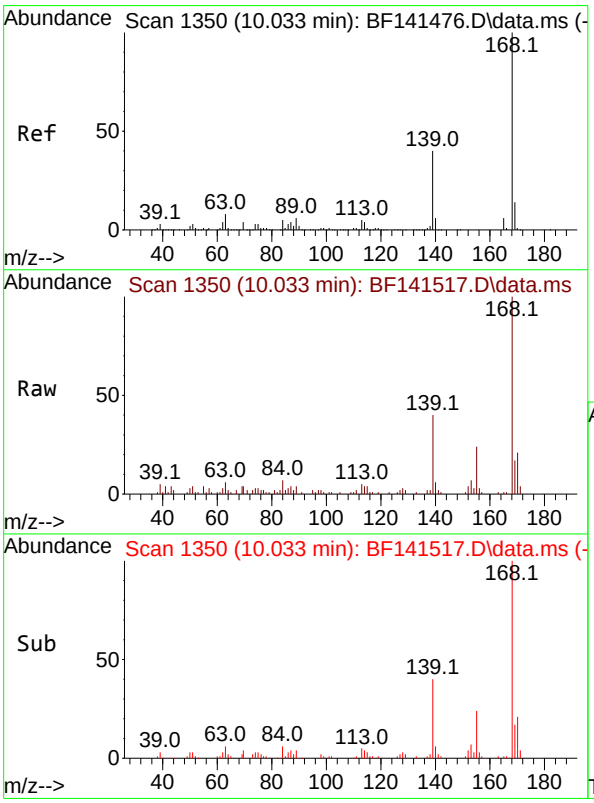

#52
Acenaphthene
Concen: 6.166 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Tgt Ion:154 Resp: 55600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.7 | 89.2 | 133.8 |
| 152 | 52.3 | 39.8 | 59.8 |

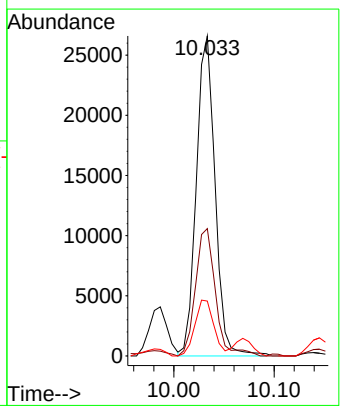


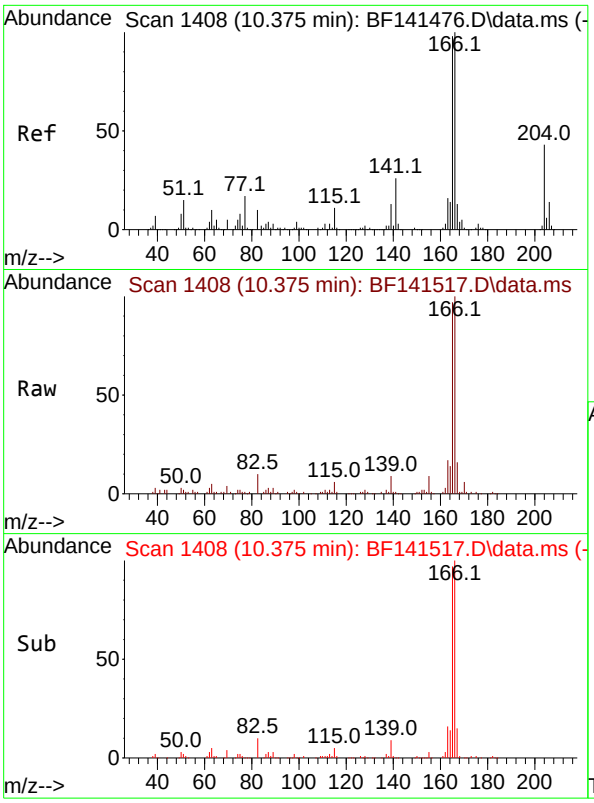




#55
Dibenzofuran
Concen: 2.614 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:168 Resp: 34603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.8 | 32.7 | 49.1 |
| 169 | 17.1 | 10.8 | 16.2# |



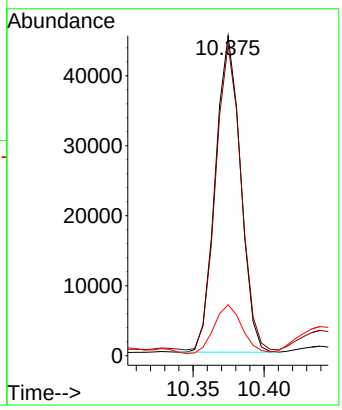


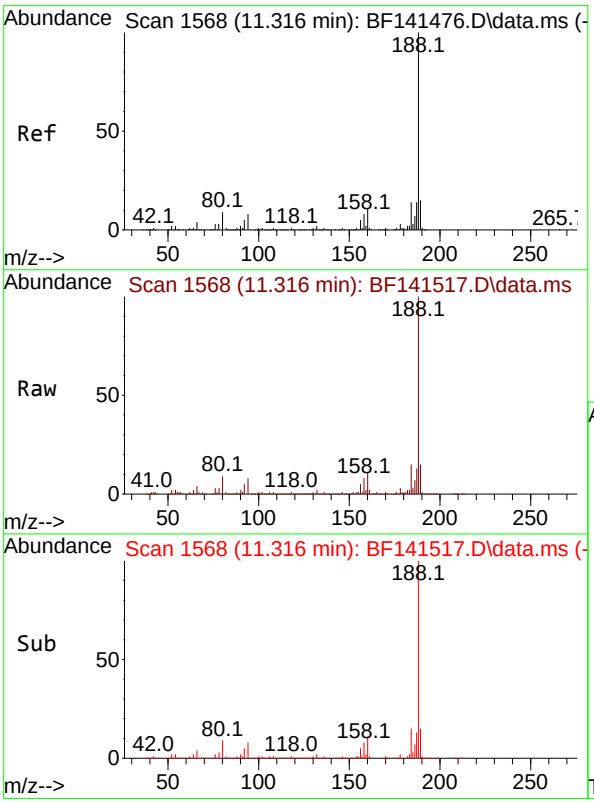

#58
Fluorene
Concen: 5.440 ng
RT: 10.375 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Tgt Ion:166 Resp: 55674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.2 | 78.2 | 117.2 |
| 167 | 15.9 | 10.7 | 16.1 |

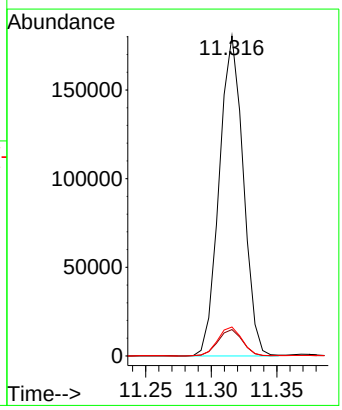


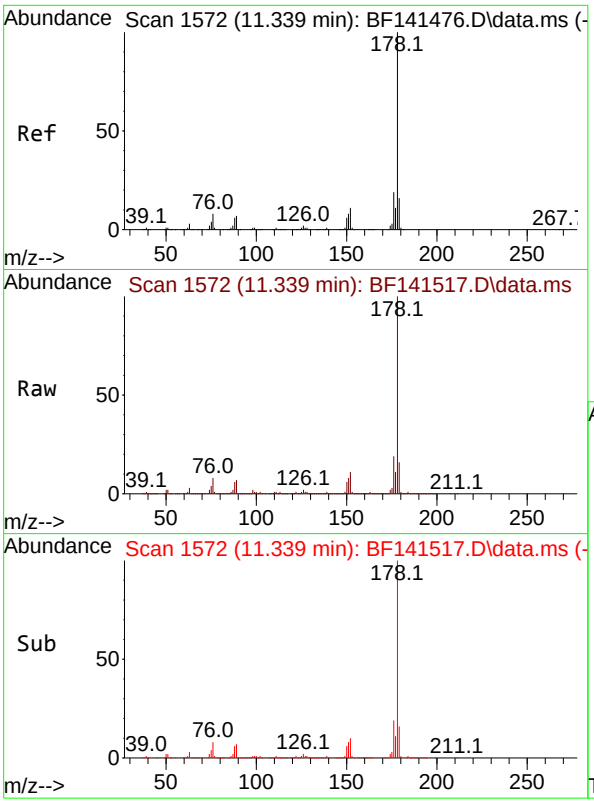




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:188 Resp: 230152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.3 | 6.6 | 10.0 |
| 80 | 9.1 | 7.3 | 10.9 |



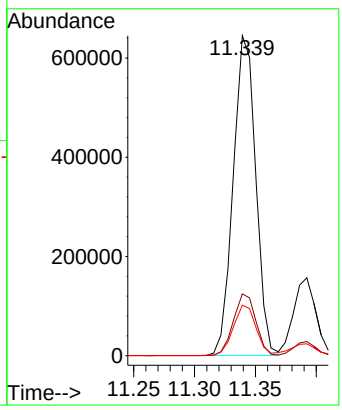


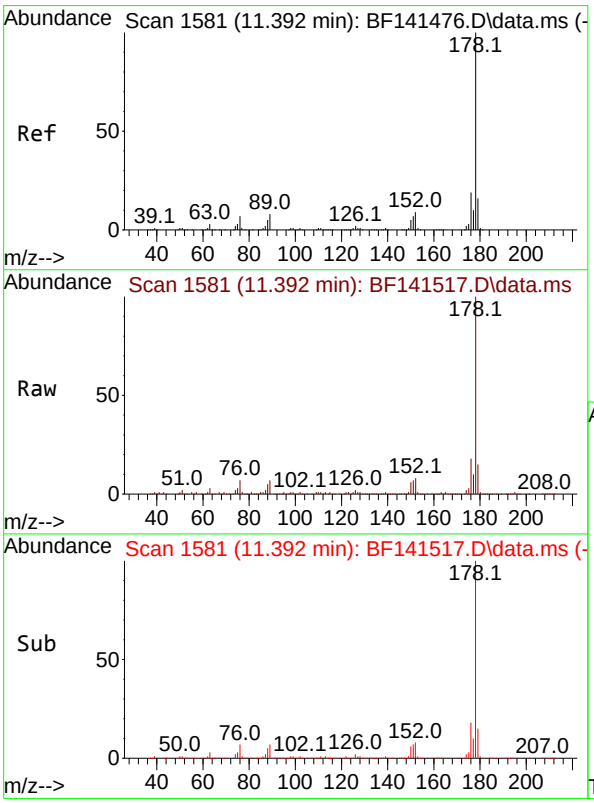

#71
Phenanthrene
Concen: 65.582 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Tgt Ion:178 Resp: 830853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.4 | 23.0 |
| 179 | 15.8 | 12.4 | 18.6 |

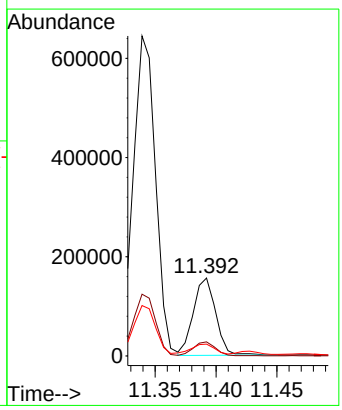


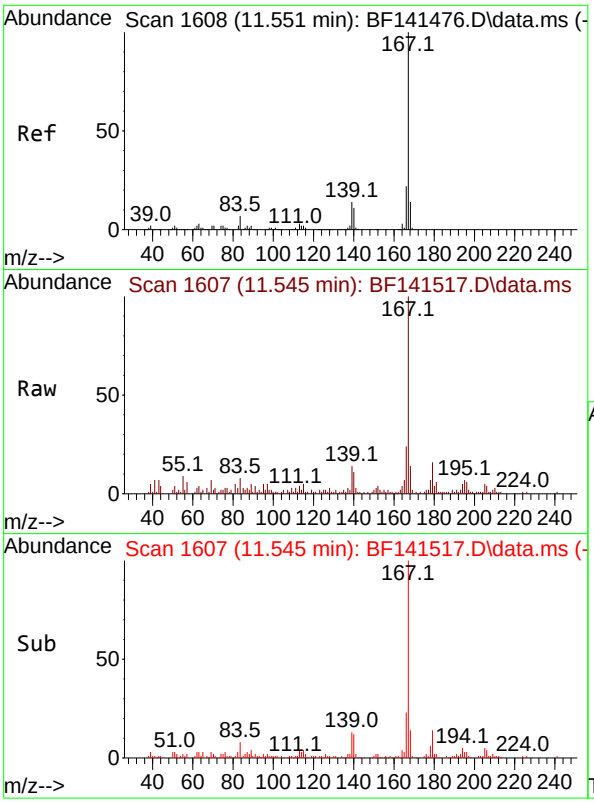




#72
Anthracene
Concen: 15.625 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:178 Resp: 198986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.1 | 14.8 | 22.2 |
| 179 | 15.2 | 12.4 | 18.6 |



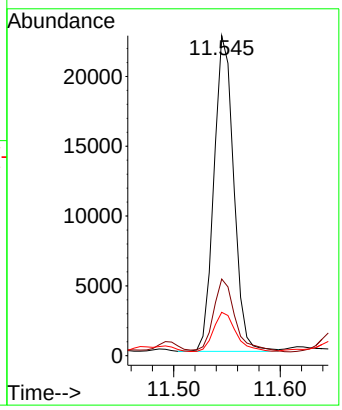


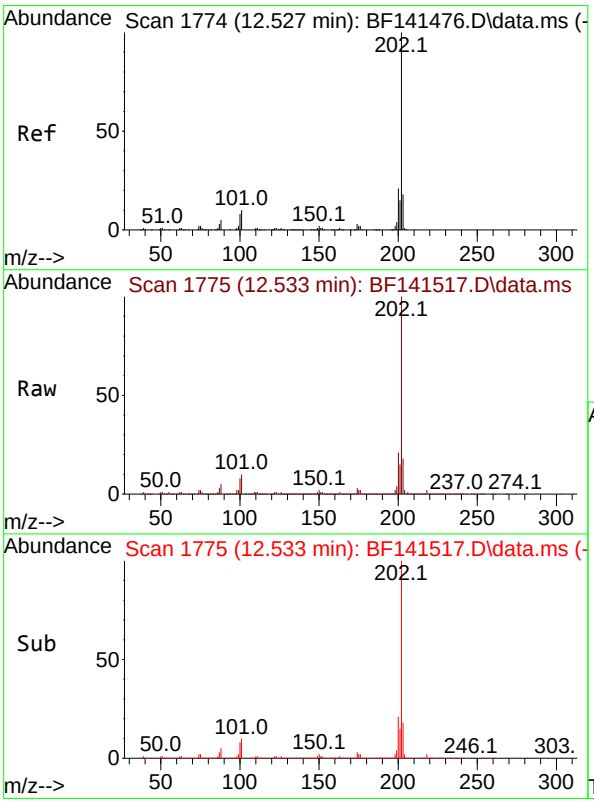

#73
Carbazole
Concen: 2.539 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Tgt Ion:167 Resp: 29099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 23.9 | 17.4 | 26.2 |
| 139 | 13.6 | 10.9 | 16.3 |

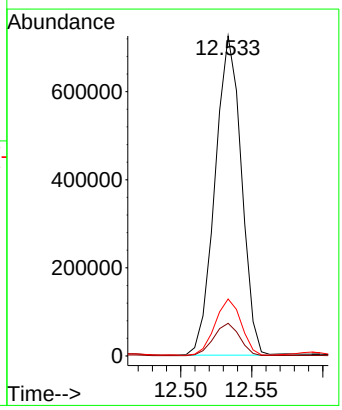


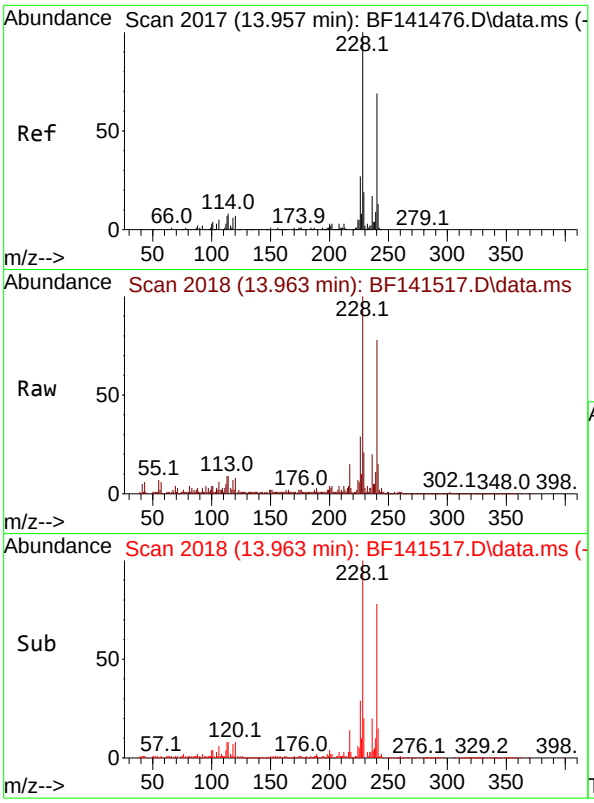




#75
Fluoranthene
Concen: 69.622 ng
RT: 12.533 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:202 Resp: 935117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.2 | 0.0 | 30.2 |
| 203 | 17.8 | 0.0 | 37.6 |



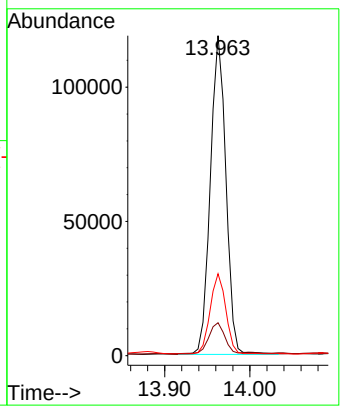


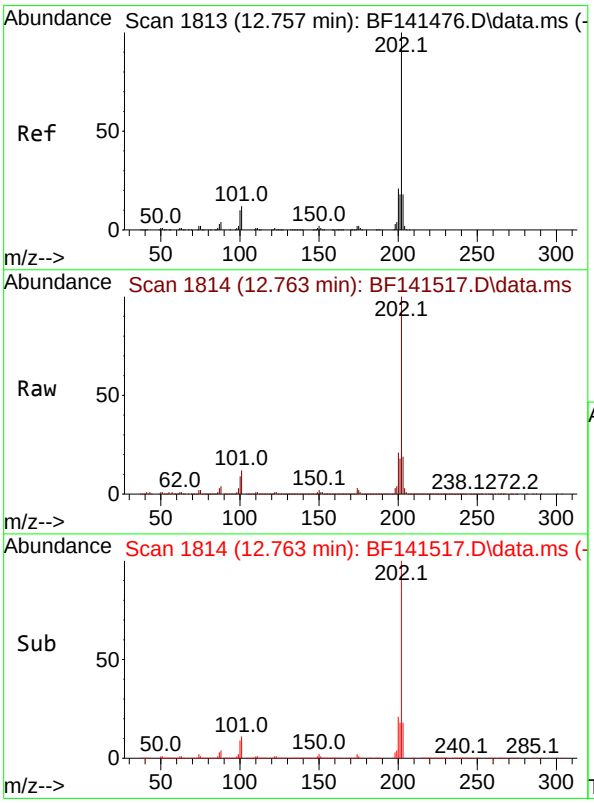

#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Tgt Ion:240 Resp: 150696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.3 | 8.0 | 12.0 |
| 236 | 25.6 | 19.8 | 29.8 |

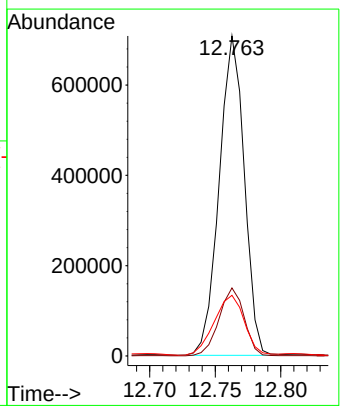


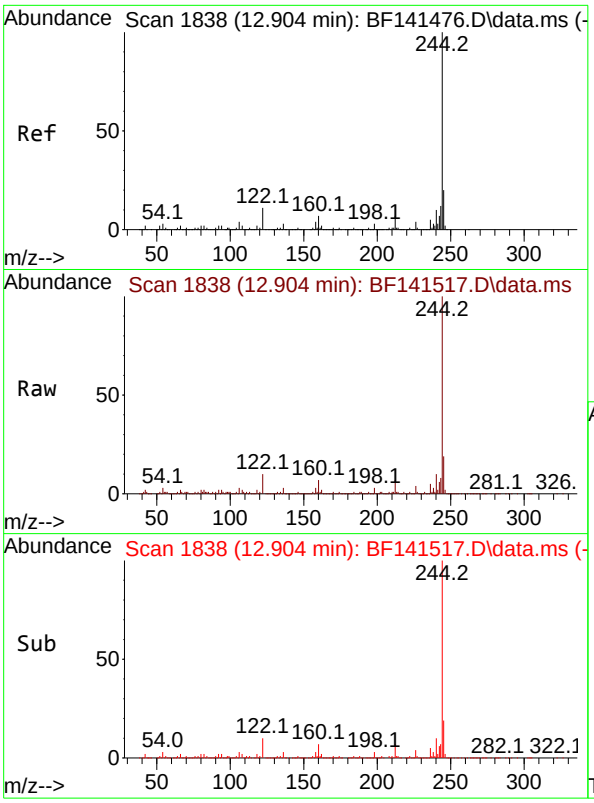




#78
Pyrene
Concen: 73.292 ng
RT: 12.763 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:202 Resp: 940217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 17.0 | 25.4 |
| 203 | 18.9 | 14.3 | 21.5 |



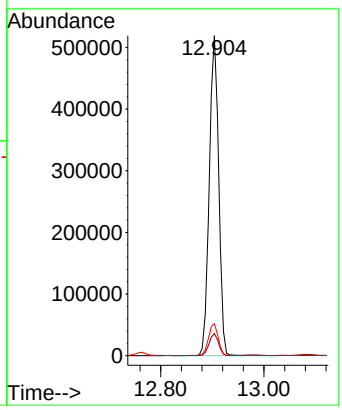


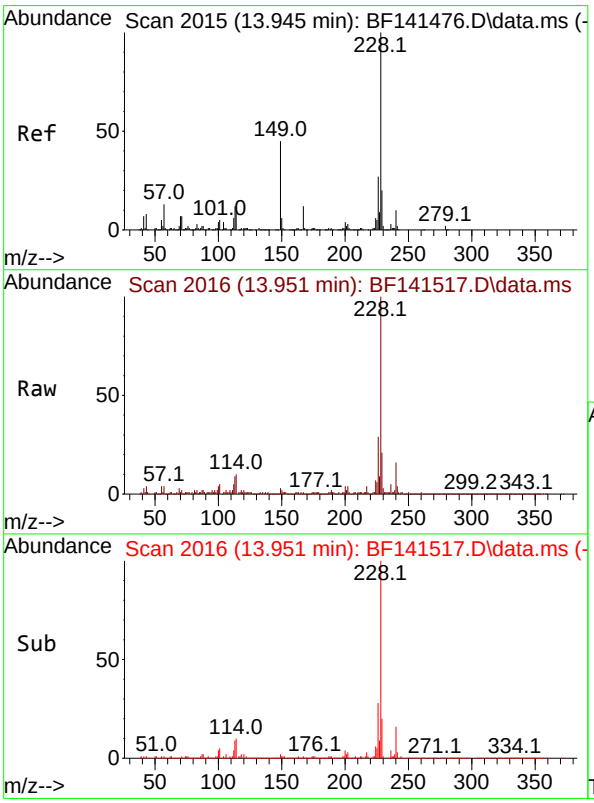

#79
Terphenyl-d14
Concen: 73.490 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Tgt Ion:244 Resp: 656010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.6 | 8.4 |
| 122 | 10.0 | 8.4 | 12.6 |

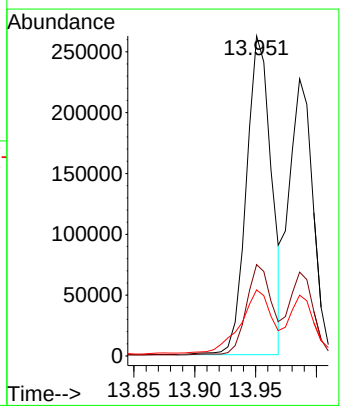


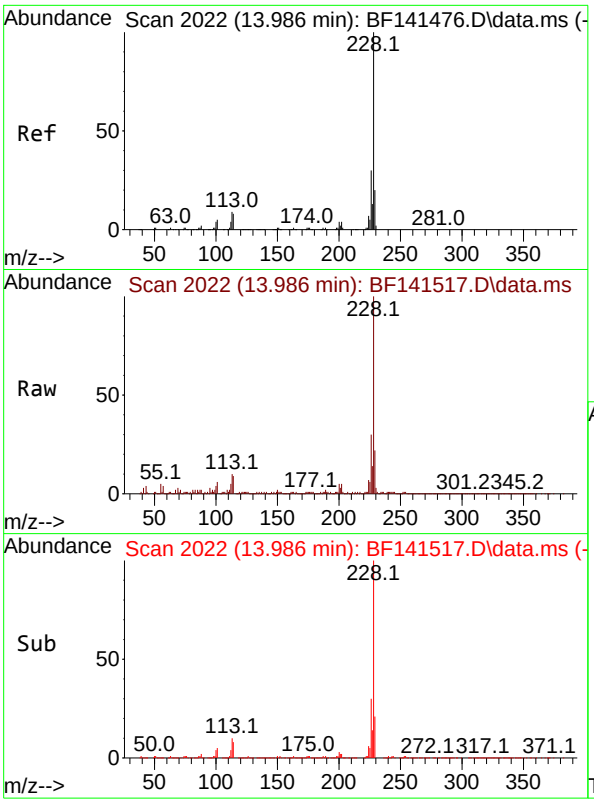




#81
Benzo(a)anthracene
Concen: 37.287 ng
RT: 13.951 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:228 Resp: 373513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.5 | 21.8 | 32.8 |
| 229 | 20.7 | 15.8 | 23.6 |



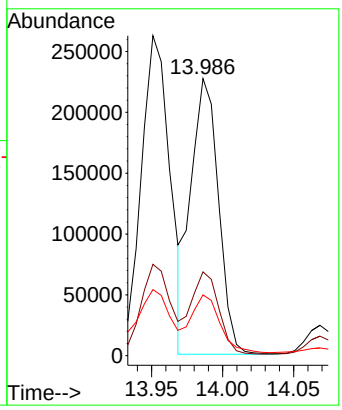


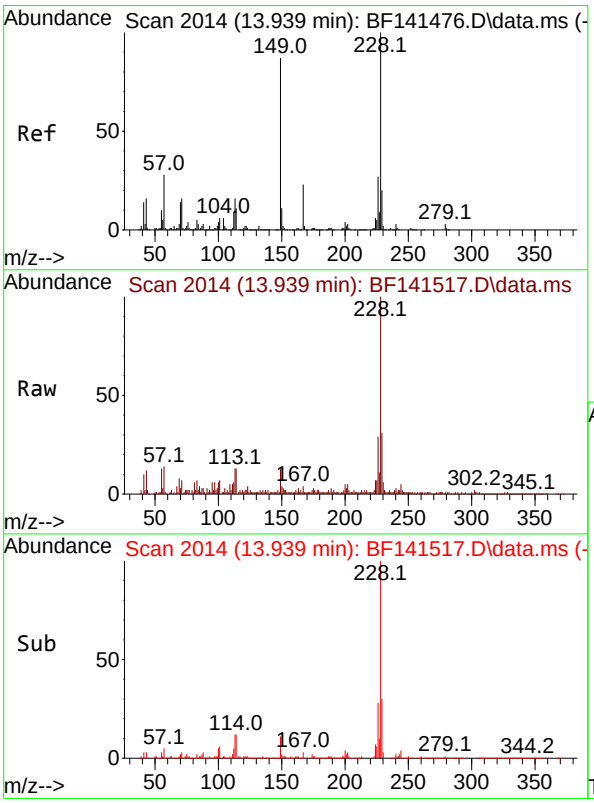

#83
Chrysene
Concen: 33.250 ng
RT: 13.986 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Tgt Ion:228 Resp: 307547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.0 | 36.0 |
| 229 | 22.0 | 15.7 | 23.5 |

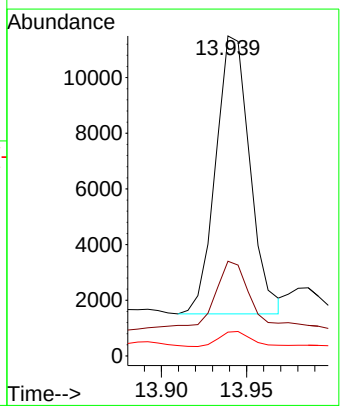


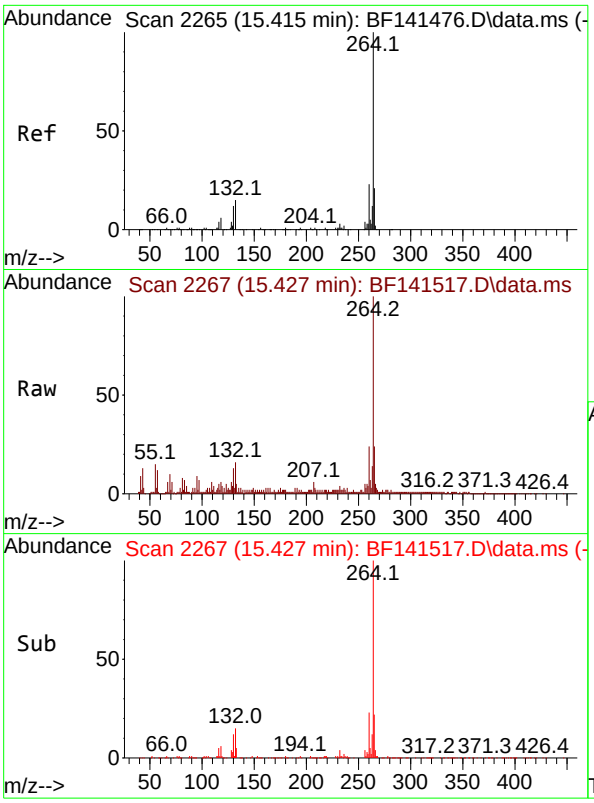




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.774 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:149 Resp: 13903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 29.6 | 21.4 | 32.0 |
| 279 | 7.5 | 3.1 | 4.7# |



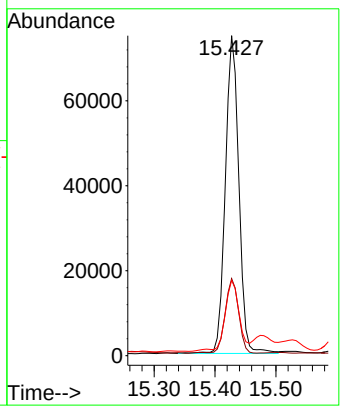


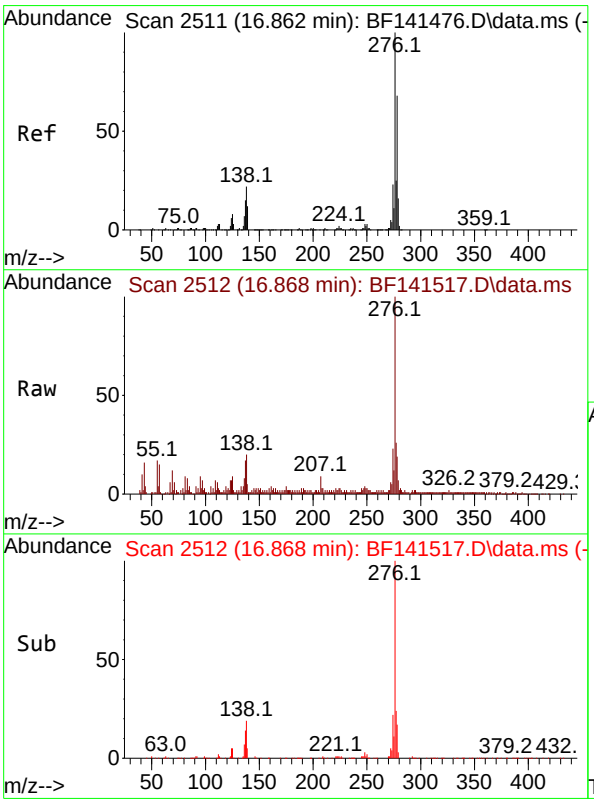

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Tgt Ion:264 Resp: 115335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.1 | 18.6 | 28.0 |
| 265 | 23.6 | 17.0 | 25.4 |

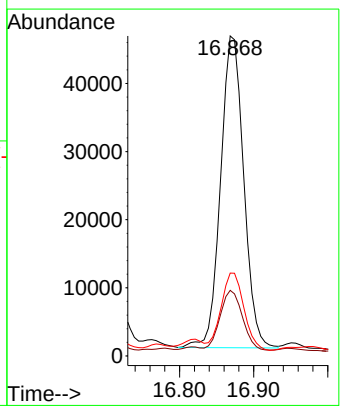


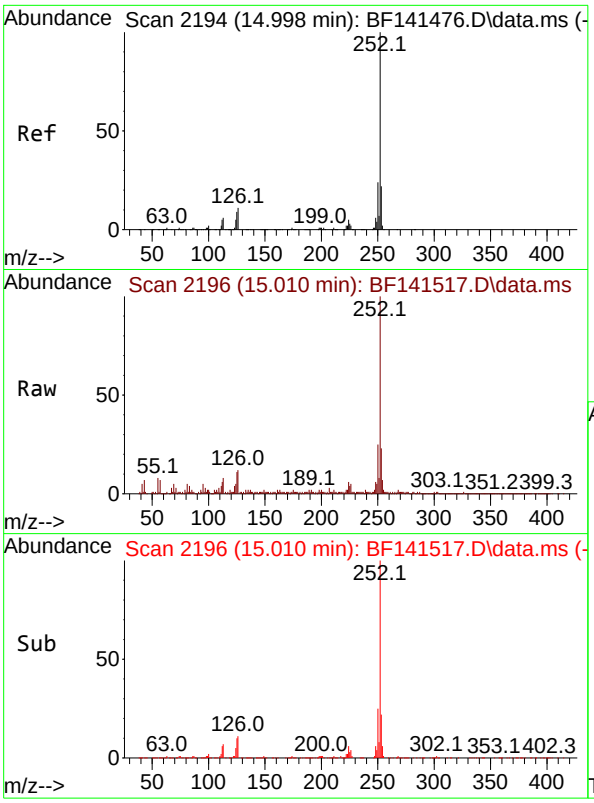




#87
Indeno(1,2,3-cd)pyrene
Concen: 13.948 ng
RT: 16.868 min Scan# 2512
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:276 Resp: 99398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.0 | 18.0 | 27.0 |
| 277 | 24.6 | 20.4 | 30.6 |



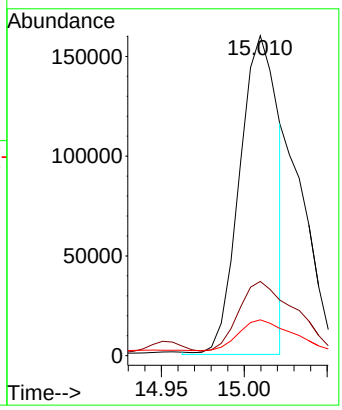


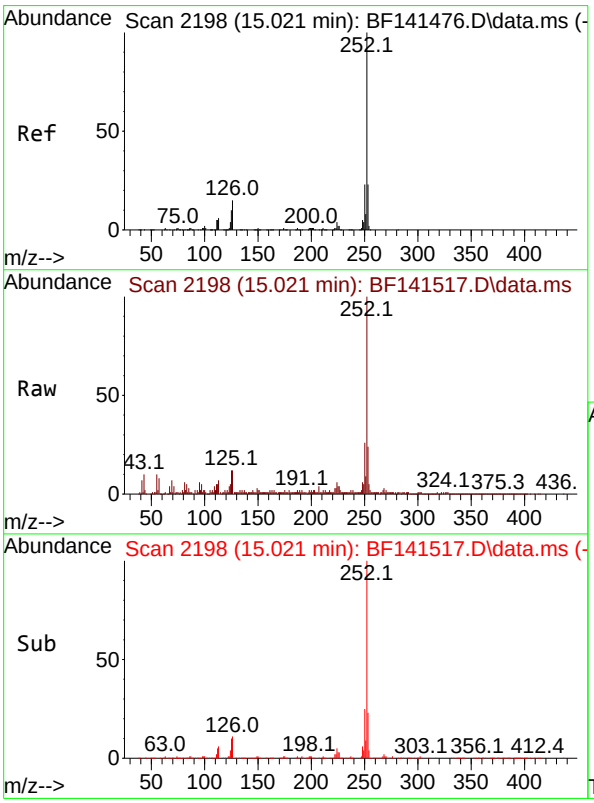

#88
Benzo(b)fluoranthene
Concen: 33.140 ng m
RT: 15.010 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Tgt Ion:252 Resp: 256643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.5 | 26.3 |
| 125 | 11.2 | 7.0 | 10.6# |

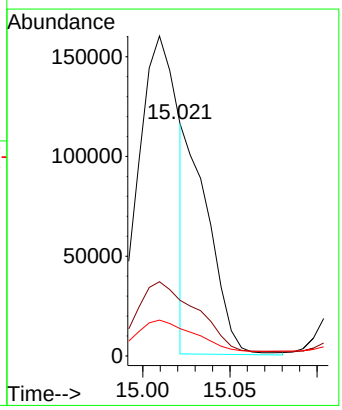


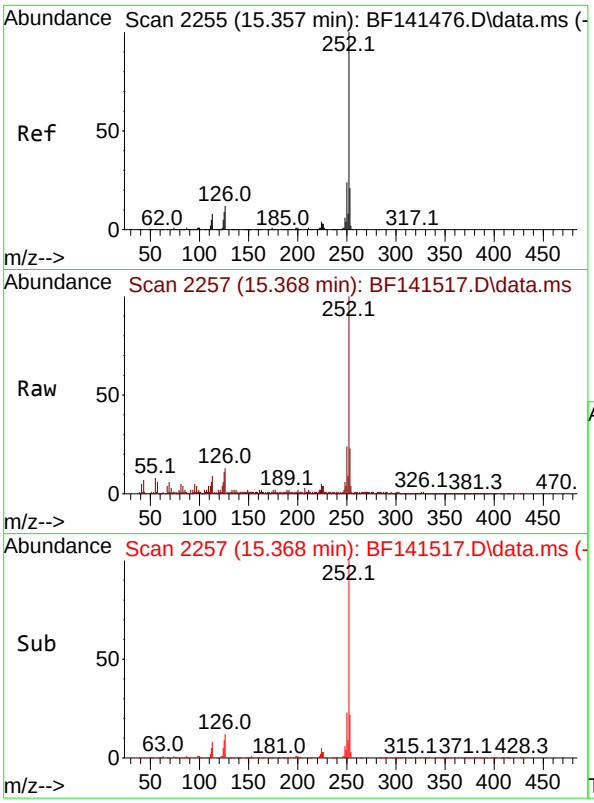




#89
Benzo(k)fluoranthene
Concen: 16.336 ng m
RT: 15.021 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:252 Resp: 108026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.9 | 18.0 | 27.0 |
| 125 | 11.8 | 7.4 | 11.0# |



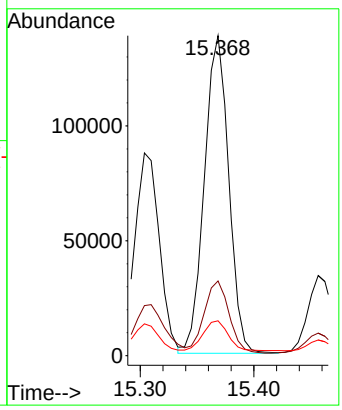


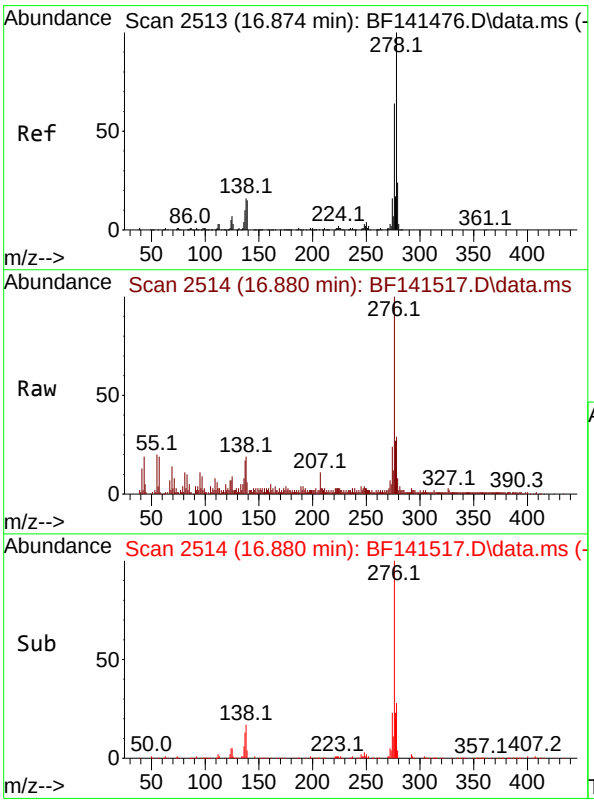

#90
Benzo(a)pyrene
Concen: 32.853 ng
RT: 15.368 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Tgt Ion:252 Resp: 205867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 17.1 | 25.7 |
| 125 | 10.9 | 7.4 | 11.2 |

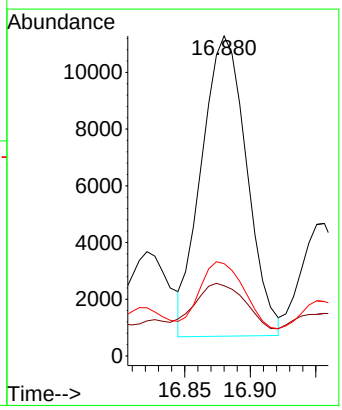


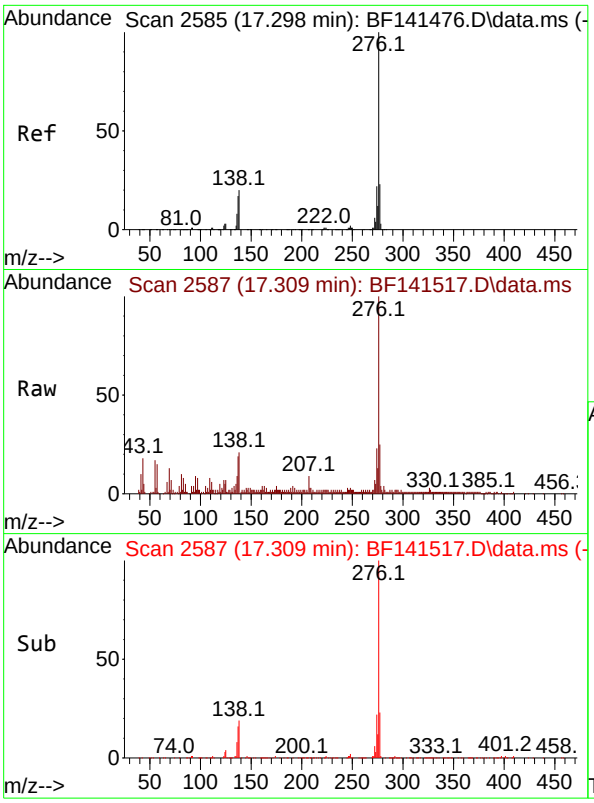




#91
Dibenzo(a,h)anthracene
Concen: 4.404 ng
RT: 16.880 min Scan# 2514
Delta R.T. -0.012 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:278 Resp: 25430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 21.9 | 11.8 | 17.6# |
| 279 | 28.9 | 19.1 | 28.7# |



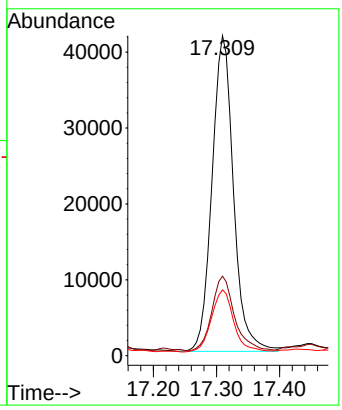



#92
Benzo(g,h,i)perylene
Concen: 16.288 ng
RT: 17.309 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Tgt Ion:276 Resp: 98423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.9 | 18.6 | 28.0 |
| 138 | 20.5 | 15.9 | 23.9 |



Sample Results: **BF141517.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141517.D
Acq On : 07 Feb 2025 19:28
Operator : RC/JU
Sample : Q1216-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141517.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.004 | 491 | 495 | 510 | rVB | 19618 | 33432 | 1.30% | 0.100% |
| 2 | 5.416 | 559 | 565 | 585 | rBV | 1666202 | 2228915 | 86.40% | 6.691% |
| 3 | 6.434 | 732 | 738 | 755 | rBV | 1678681 | 2310372 | 89.56% | 6.935% |
| 4 | 6.792 | 794 | 799 | 805 | rBV | 399708 | 512330 | 19.86% | 1.538% |
| 5 | 6.863 | 805 | 811 | 815 | rBV2 | 21921 | 32144 | 1.25% | 0.096% |
| 6 | 7.351 | 888 | 894 | 904 | rBV | 1109370 | 1494536 | 57.93% | 4.486% |
| 7 | 7.610 | 932 | 938 | 946 | rBV | 43526 | 59185 | 2.29% | 0.178% |
| 8 | 8.075 | 1009 | 1017 | 1025 | rBV | 487194 | 737411 | 28.58% | 2.214% |
| 9 | 8.663 | 1112 | 1117 | 1121 | rBV | 36300 | 44586 | 1.73% | 0.134% |
| 10 | 8.786 | 1134 | 1138 | 1145 | rVB | 36801 | 45987 | 1.78% | 0.138% |
| 11 | 8.881 | 1150 | 1154 | 1162 | rVB | 46028 | 59649 | 2.31% | 0.179% |
| 12 | 9.145 | 1194 | 1199 | 1209 | rBV | 1803914 | 2348473 | 91.03% | 7.050% |
| 13 | 9.228 | 1209 | 1213 | 1222 | rVV2 | 49077 | 82157 | 3.18% | 0.247% |
| 14 | 9.345 | 1229 | 1233 | 1239 | rVB | 22867 | 29979 | 1.16% | 0.090% |
| 15 | 9.410 | 1239 | 1244 | 1249 | rBV | 37258 | 57494 | 2.23% | 0.173% |
| 16 | 9.486 | 1252 | 1257 | 1259 | rBV | 67138 | 93015 | 3.61% | 0.279% |
| 17 | 9.510 | 1259 | 1261 | 1265 | rVV | 34698 | 39094 | 1.52% | 0.117% |
| 18 | 9.604 | 1273 | 1277 | 1284 | rVB2 | 33840 | 53424 | 2.07% | 0.160% |
| 19 | 9.686 | 1284 | 1291 | 1296 | rVB2 | 31380 | 47020 | 1.82% | 0.141% |
| 20 | 9.757 | 1296 | 1303 | 1307 | rBV | 27160 | 37106 | 1.44% | 0.111% |
| 21 | 9.828 | 1307 | 1315 | 1318 | rBV | 537829 | 722525 | 28.01% | 2.169% |
| 22 | 9.857 | 1318 | 1320 | 1325 | rVB | 180378 | 203858 | 7.90% | 0.612% |
| 23 | 9.933 | 1329 | 1333 | 1337 | rBV2 | 42473 | 63709 | 2.47% | 0.191% |
| 24 | 9.981 | 1337 | 1341 | 1345 | rBV2 | 34656 | 47626 | 1.85% | 0.143% |
| 25 | 10.028 | 1345 | 1349 | 1353 | rBV | 85513 | 115623 | 4.48% | 0.347% |
| 26 | 10.069 | 1353 | 1356 | 1364 | rVB | 33409 | 50059 | 1.94% | 0.150% |
| 27 | 10.145 | 1364 | 1369 | 1371 | rBV | 31034 | 41775 | 1.62% | 0.125% |
| 28 | 10.169 | 1371 | 1373 | 1379 | rVB | 23333 | 30641 | 1.19% | 0.092% |
| 29 | 10.233 | 1379 | 1384 | 1386 | rBV | 36056 | 59654 | 2.31% | 0.179% |
| 30 | 10.375 | 1403 | 1408 | 1413 | rBV2 | 158065 | 211360 | 8.19% | 0.634% |
| 31 | 10.439 | 1413 | 1419 | 1421 | rBV2 | 45651 | 82143 | 3.18% | 0.247% |
| 32 | 10.539 | 1431 | 1436 | 1441 | rVB2 | 132235 | 198472 | 7.69% | 0.596% |
| 33 | 10.616 | 1444 | 1449 | 1455 | rBV | 1054697 | 1398231 | 54.20% | 4.197% |
| 34 | 10.669 | 1455 | 1458 | 1465 | rVB2 | 32277 | 46960 | 1.82% | 0.141% |
| 35 | 10.739 | 1465 | 1470 | 1477 | rVB4 | 54196 | 96862 | 3.75% | 0.291% |
| 36 | 10.922 | 1495 | 1501 | 1504 | rBV3 | 65137 | 123075 | 4.77% | 0.369% |

Sample Results: **BF141517.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141517.D
Acq On : 07 Feb 2025 19:28
Operator : RC/JU
Sample : Q1216-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 10.951 | 1504 | 1506 | 1509 | rVB2 | 29555 | 29990 | 1.16% | 0.090% |
| 38 | 11.051 | 1518 | 1523 | 1525 | rBV2 | 39554 | 66219 | 2.57% | 0.199% |
| 39 | 11.122 | 1531 | 1535 | 1539 | rVB | 70831 | 89582 | 3.47% | 0.269% |
| 40 | 11.175 | 1539 | 1544 | 1547 | rVV3 | 62568 | 110982 | 4.30% | 0.333% |
| 41 | 11.210 | 1547 | 1550 | 1558 | rVB | 90519 | 123703 | 4.80% | 0.371% |
| 42 | 11.339 | 1563 | 1572 | 1577 | rBV2 | 1549587 | 2579824 | 100.00% | 7.744% |
| 43 | 11.392 | 1577 | 1581 | 1584 | rVV | 337192 | 432459 | 16.76% | 1.298% |
| 44 | 11.422 | 1584 | 1586 | 1592 | rVB2 | 29736 | 40622 | 1.57% | 0.122% |
| 45 | 11.545 | 1602 | 1607 | 1614 | rBV3 | 65196 | 131677 | 5.10% | 0.395% |
| 46 | 11.610 | 1614 | 1618 | 1621 | rVV | 67625 | 87395 | 3.39% | 0.262% |
| 47 | 11.645 | 1621 | 1624 | 1629 | rVB2 | 46870 | 69254 | 2.68% | 0.208% |
| 48 | 11.775 | 1642 | 1646 | 1649 | rBV | 23776 | 34106 | 1.32% | 0.102% |
| 49 | 11.816 | 1649 | 1653 | 1655 | rVV | 252461 | 321887 | 12.48% | 0.966% |
| 50 | 11.845 | 1655 | 1658 | 1663 | rVV | 591446 | 805804 | 31.23% | 2.419% |
| 51 | 11.892 | 1663 | 1666 | 1669 | rVV | 122506 | 175815 | 6.81% | 0.528% |
| 52 | 11.927 | 1669 | 1672 | 1681 | rVB2 | 373034 | 737982 | 28.61% | 2.215% |
| 53 | 12.016 | 1681 | 1687 | 1691 | rBV4 | 38444 | 88568 | 3.43% | 0.266% |
| 54 | 12.116 | 1699 | 1704 | 1706 | rBV | 148180 | 211101 | 8.18% | 0.634% |
| 55 | 12.139 | 1706 | 1708 | 1712 | rVB | 112099 | 118345 | 4.59% | 0.355% |
| 56 | 12.263 | 1724 | 1729 | 1732 | rBV | 171378 | 234727 | 9.10% | 0.705% |
| 57 | 12.292 | 1732 | 1734 | 1736 | rVV | 26431 | 26145 | 1.01% | 0.078% |
| 58 | 12.369 | 1743 | 1747 | 1750 | rBV | 126899 | 181986 | 7.05% | 0.546% |
| 59 | 12.404 | 1750 | 1753 | 1759 | rVV2 | 95857 | 162025 | 6.28% | 0.486% |
| 60 | 12.457 | 1759 | 1762 | 1767 | rVB2 | 107922 | 143782 | 5.57% | 0.432% |
| 61 | 12.533 | 1770 | 1775 | 1779 | rBV | 1652856 | 2144732 | 83.13% | 6.438% |
| 62 | 12.569 | 1779 | 1781 | 1788 | rVB3 | 150755 | 218250 | 8.46% | 0.655% |
| 63 | 12.633 | 1788 | 1792 | 1795 | rBV2 | 69655 | 103466 | 4.01% | 0.311% |
| 64 | 12.763 | 1807 | 1814 | 1819 | rBV | 1589946 | 2404685 | 93.21% | 7.218% |
| 65 | 12.904 | 1830 | 1838 | 1845 | rVB | 1381486 | 1935393 | 75.02% | 5.810% |
| 66 | 12.980 | 1846 | 1851 | 1857 | rBV4 | 136342 | 266499 | 10.33% | 0.800% |
| 67 | 13.039 | 1857 | 1861 | 1864 | rBV | 208565 | 277225 | 10.75% | 0.832% |
| 68 | 13.157 | 1877 | 1881 | 1883 | rBV | 87722 | 112285 | 4.35% | 0.337% |
| 69 | 13.192 | 1883 | 1887 | 1894 | rVB3 | 173611 | 271272 | 10.52% | 0.814% |
| 70 | 13.286 | 1900 | 1903 | 1905 | rBV | 66953 | 73919 | 2.87% | 0.222% |
| 71 | 13.316 | 1905 | 1908 | 1912 | rVB | 90275 | 99387 | 3.85% | 0.298% |
| 72 | 13.598 | 1953 | 1956 | 1961 | rVB | 95386 | 124880 | 4.84% | 0.375% |
| 73 | 13.710 | 1972 | 1975 | 1977 | rBV2 | 68913 | 87052 | 3.37% | 0.261% |
| 74 | 13.810 | 1989 | 1992 | 2001 | rVB3 | 105388 | 179713 | 6.97% | 0.539% |
| 75 | 13.957 | 2011 | 2017 | 2020 | rBV2 | 849030 | 1449478 | 56.19% | 4.351% |
| 76 | 13.986 | 2020 | 2022 | 2030 | rVB | 572934 | 723216 | 28.03% | 2.171% |

Sample Results: **BF141517.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141517.D
Acq On : 07 Feb 2025 19:28
Operator : RC/JU
Sample : Q1216-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 15.010 | 2191 | 2196 | 2204 | rBV | 408417 | 867024 | 33.61% | 2.603% |
| 78 | 15.304 | 2243 | 2246 | 2252 | rVB | 228000 | 347758 | 13.48% | 1.044% |
| 79 | 15.368 | 2253 | 2257 | 2262 | rVB | 335372 | 482936 | 18.72% | 1.450% |
| 80 | 15.427 | 2263 | 2267 | 2270 | rBV | 192293 | 301549 | 11.69% | 0.905% |

Sum of corrected areas: 33313581

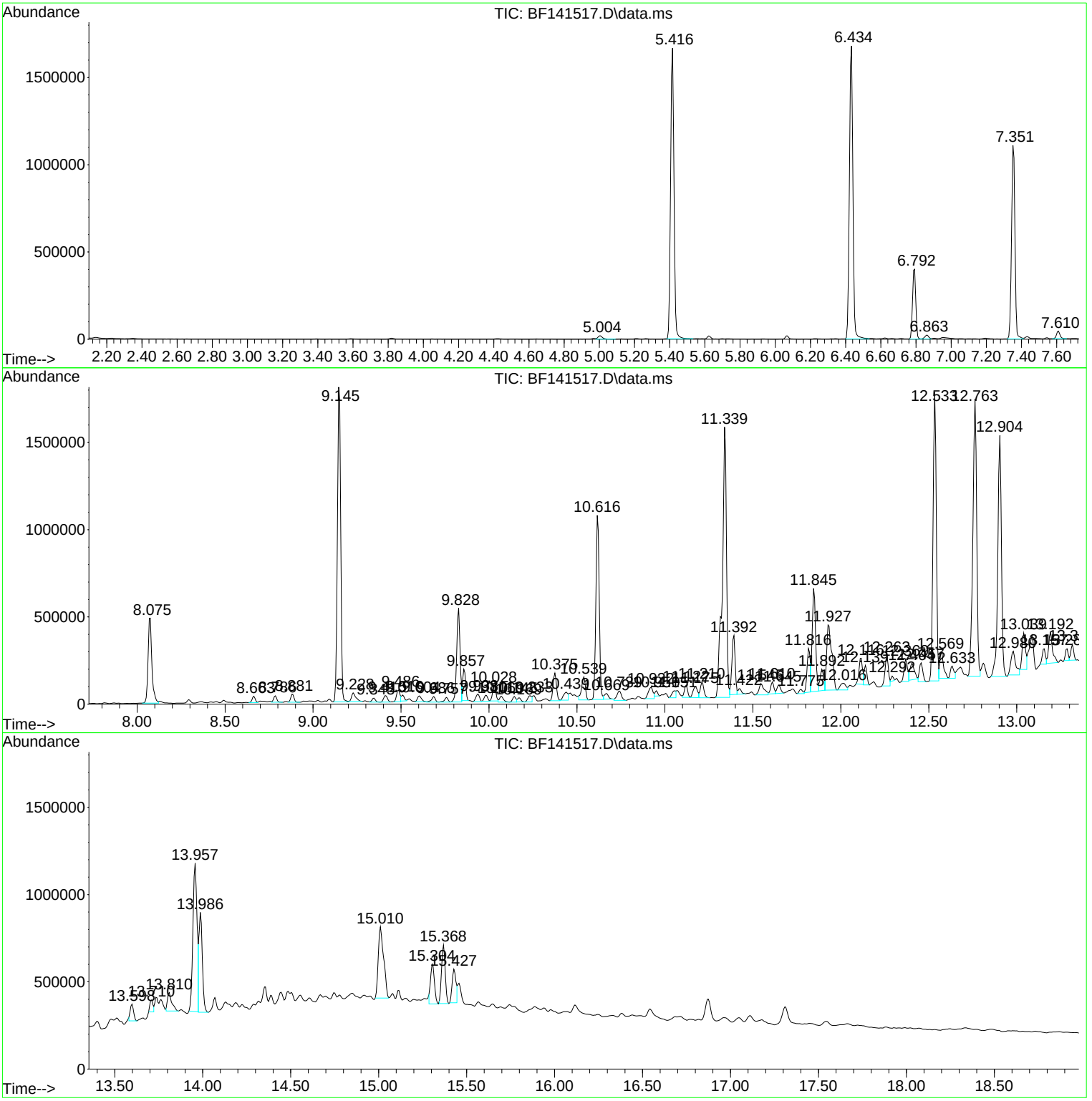
Sample Results: **BF141517.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141517.D
Acq On : 07 Feb 2025 19:28
Operator : RC/JU
Sample : Q1216-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Sample Results: **BF141517.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141517.D
Acq On : 07 Feb 2025 19:28
Operator : RC/JU
Sample : Q1216-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

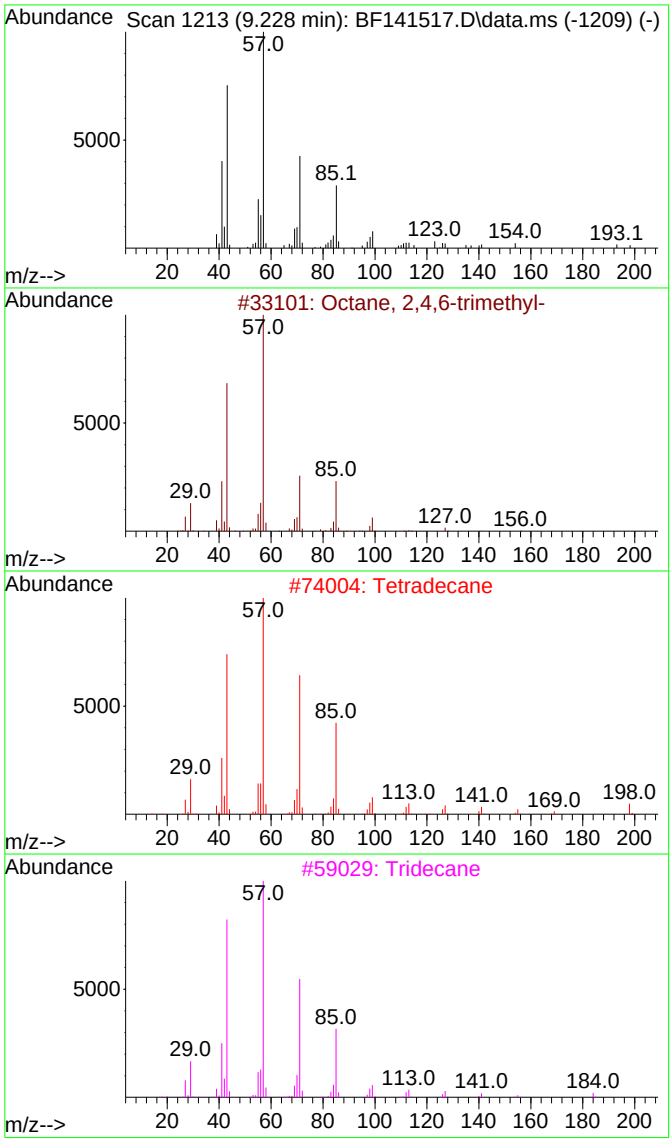
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

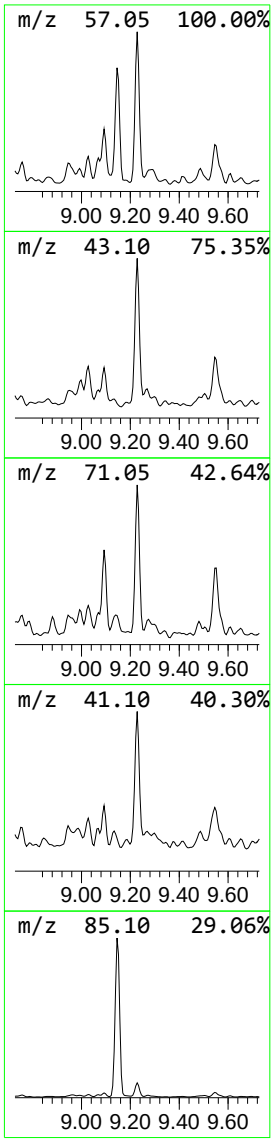
**********

Peak Number 1 Octane, 2,4,6-trimethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.228 | 2.27 ng | 82157 | Acenaphthene-d10 | 9.828 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 2,4,6-trimethyl- | 156 | C11H24 | 062016-37-9 | 90 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 87 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 86 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 5 | Tridecane, 7-propyl- | 226 | C16H34 | 055045-09-5 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141517.D
Acq On : 07 Feb 2025 19:28
Operator : RC/JU
Sample : Q1216-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

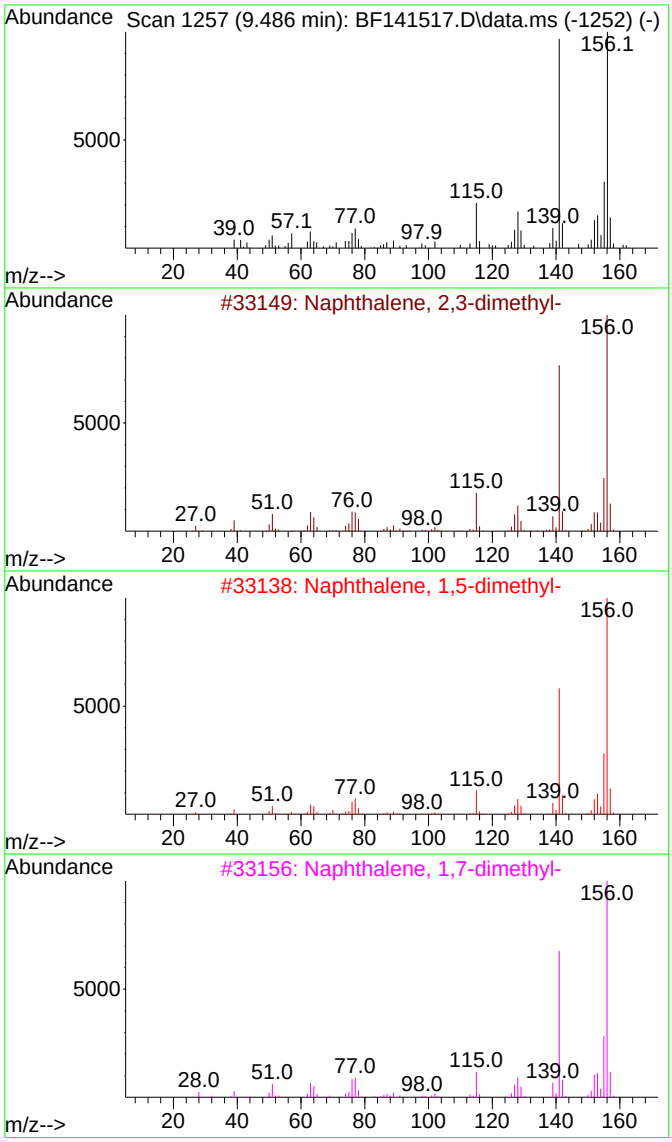
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

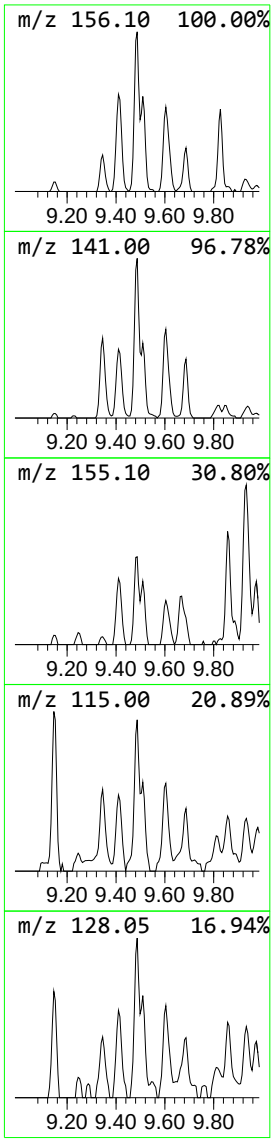
**********

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.486 | 2.57 ng | 93015 | Acenaphthene-d10 | 9.828 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 2 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 97 |
| 3 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 97 |
| 4 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 97 |
| 5 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |



Sample Results: **BF141517.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141517.D
Acq On : 07 Feb 2025 19:28
Operator : RC/JU
Sample : Q1216-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

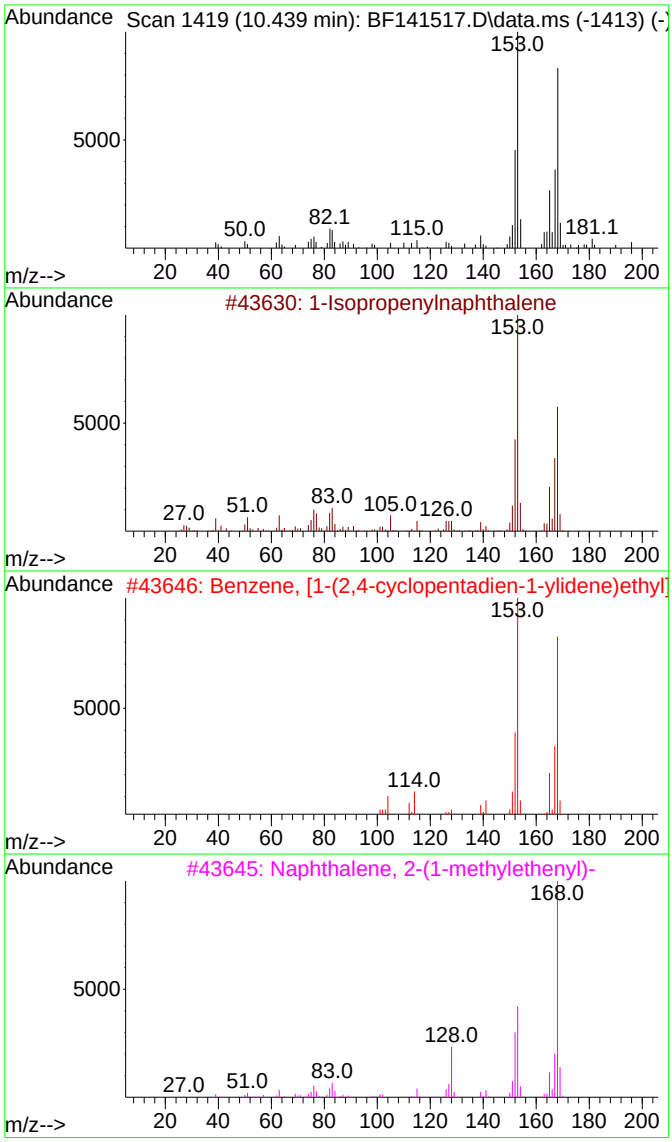
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TIC Integration Parameters: LSCINT.P

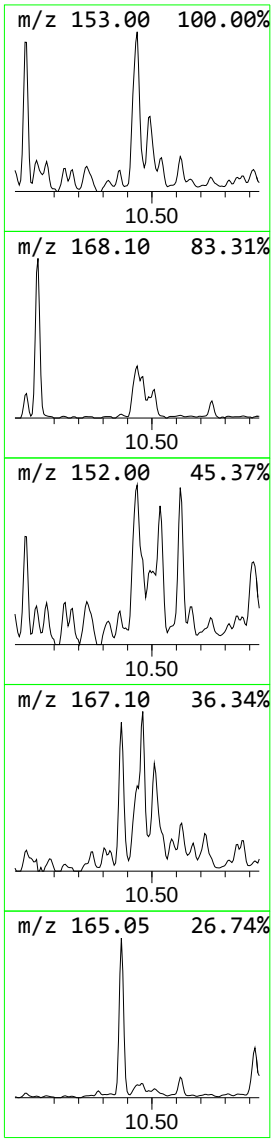
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Peak Number 3 1-Isopropenylnaphthalene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.439 | 2.27 ng | 82143 | Acenaphthene-d10 | 9.828 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Isopropenylnaphthalene | 168 | C13H12 | 001855-47-6 | 93 |
| 2 | Benzene, [1-(2,4-cyclopentadien-... | 168 | C13H12 | 002320-32-3 | 90 |
| 3 | Naphthalene, 2-(1-methylethenyl)- | 168 | C13H12 | 003710-23-4 | 59 |
| 4 | Ethanone, 1-(2,3,4-trihydroxyphe... | 168 | C8H8O4 | 000528-21-2 | 52 |
| 5 | 1,2,4-Trimethoxybenzene | 168 | C9H12O3 | 000135-77-3 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141517.D
Acq On : 07 Feb 2025 19:28
Operator : RC/JU
Sample : Q1216-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

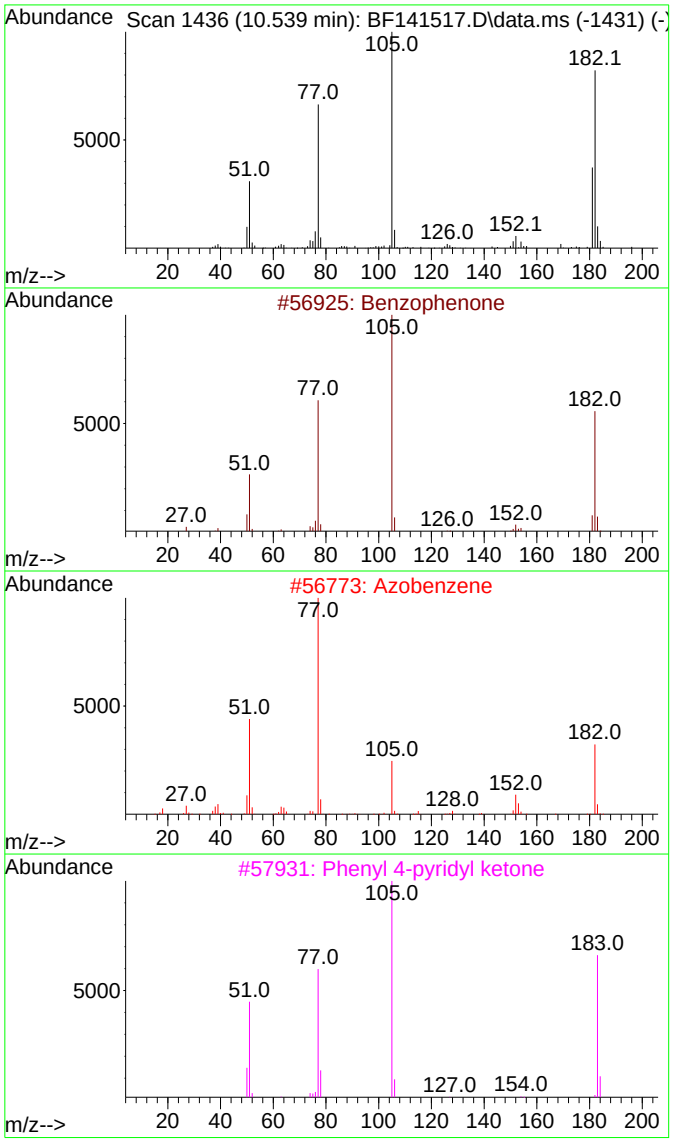
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TIC Integration Parameters: LSCINT.P

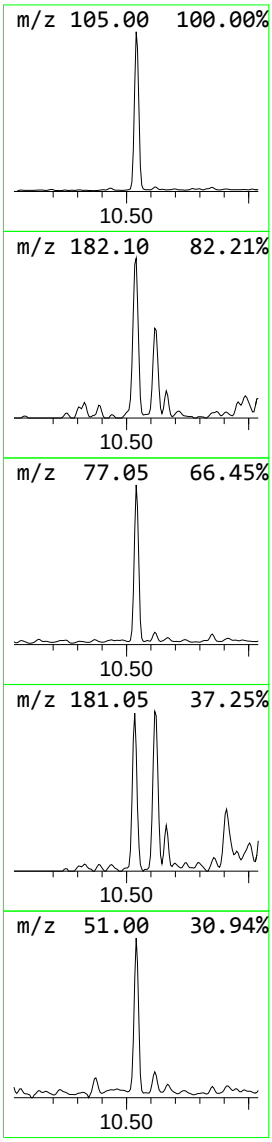
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Peak Number 4 Benzophenone Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.539 | 5.49 ng | 198472 | Acenaphthene-d10 | 9.828 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 94 |
| 2 | Azobenzene | 182 | C12H10N2 | 000103-33-3 | 68 |
| 3 | Phenyl 4-pyridyl ketone | 183 | C12H9NO | 014548-46-0 | 41 |
| 4 | 3-Mercaptobenzoic acid, S-methyl... | 182 | C9H10O2S | 090721-40-7 | 38 |
| 5 | Methyl benzilate | 242 | C15H14O3 | 000076-89-1 | 35 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141517.D
Acq On : 07 Feb 2025 19:28
Operator : RC/JU
Sample : Q1216-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

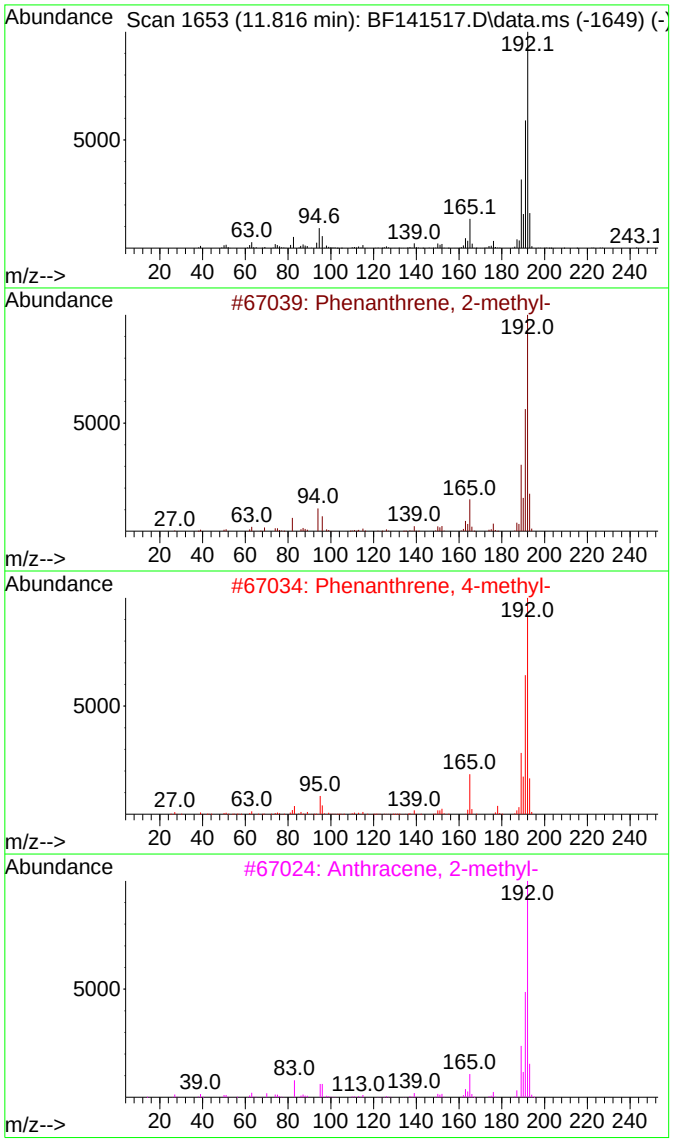
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TIC Integration Parameters: LSCINT.P

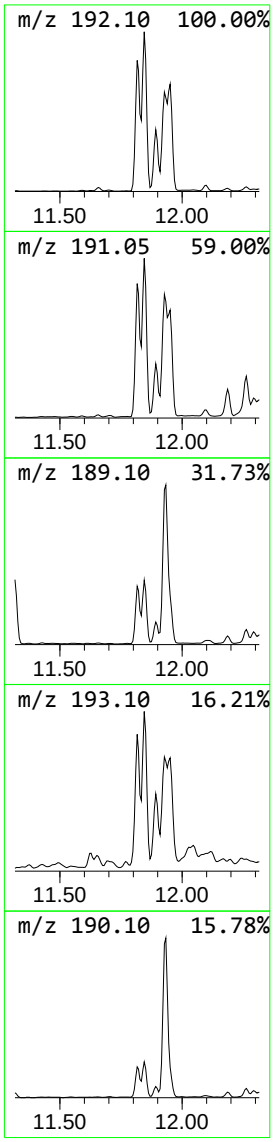
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Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.816 | 2.50 ng | 321887 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 98 |
| 2 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 94 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 94 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141517.D
Acq On : 07 Feb 2025 19:28
Operator : RC/JU
Sample : Q1216-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

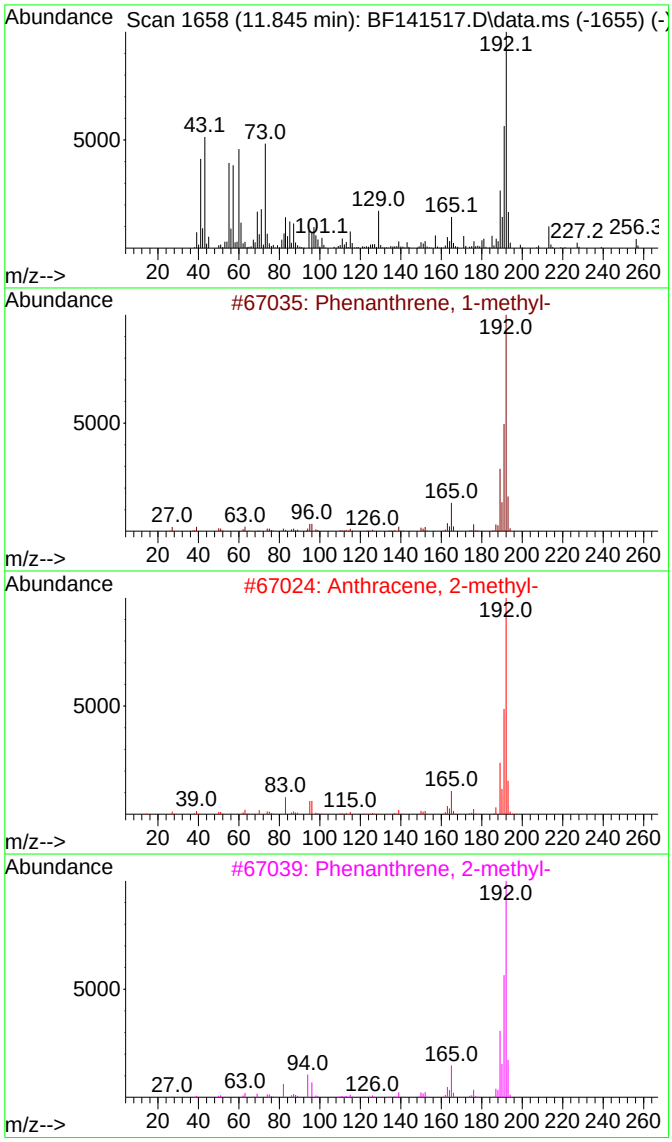
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TIC Integration Parameters: LSCINT.P

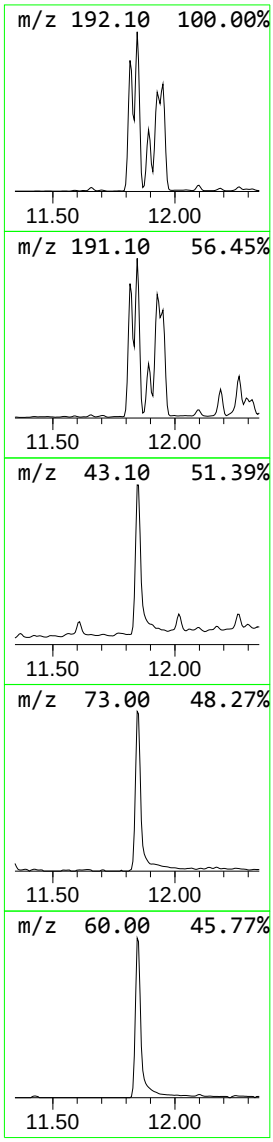
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Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.845 | 6.25 ng | 805804 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 95 |
| 5 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 91 |



Sample Results: **BF141517.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141517.D
Acq On : 07 Feb 2025 19:28
Operator : RC/JU
Sample : Q1216-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

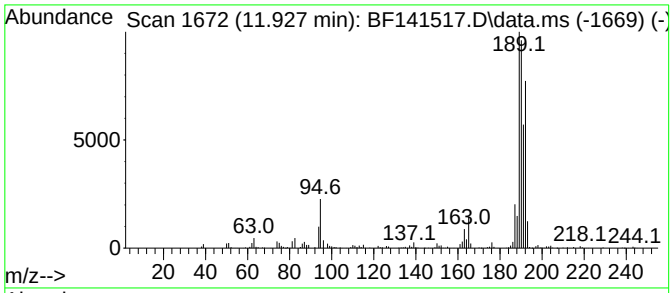
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

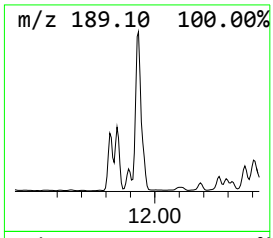
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TIC Integration Parameters: LSCINT.P

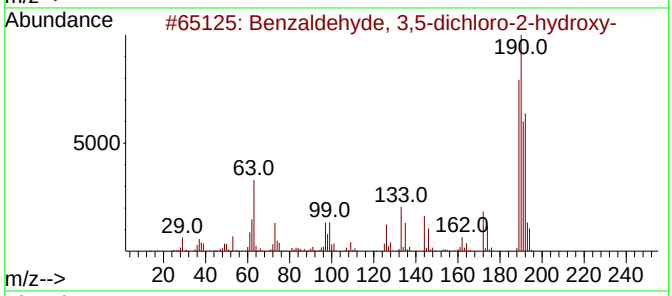
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Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

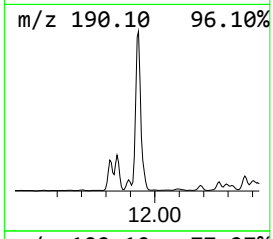
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.927 | 5.72 ng | 737982 | Phenanthrene-d10 | 11.316 |

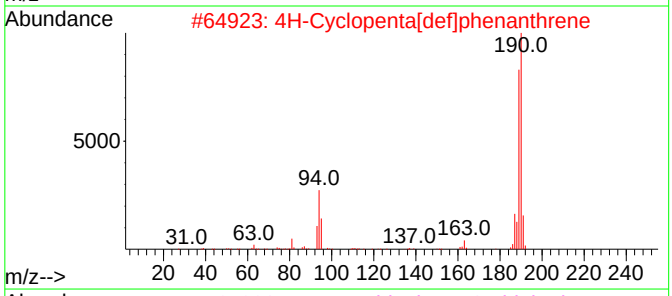
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzaldehyde, 3,5-dichloro-2-hyd... | 190 | C7H4Cl2O2 | 000090-60-8 | 72 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 60 |
| 3 | 4-Bromothiophene-2-aldehyde | 190 | C5H3BrOS | 018791-75-8 | 58 |
| 4 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 49 |
| 5 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 38 |

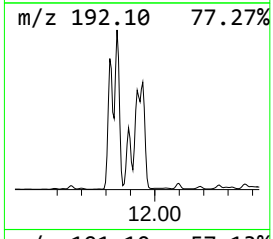


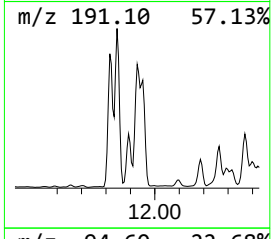



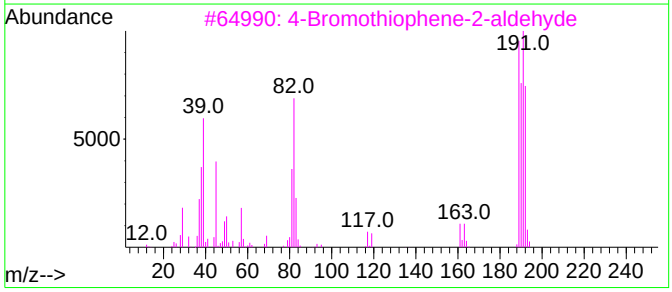



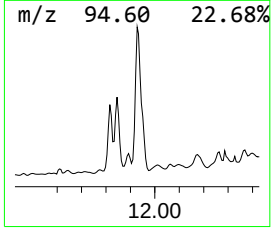



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141517.D
Acq On : 07 Feb 2025 19:28
Operator : RC/JU
Sample : Q1216-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

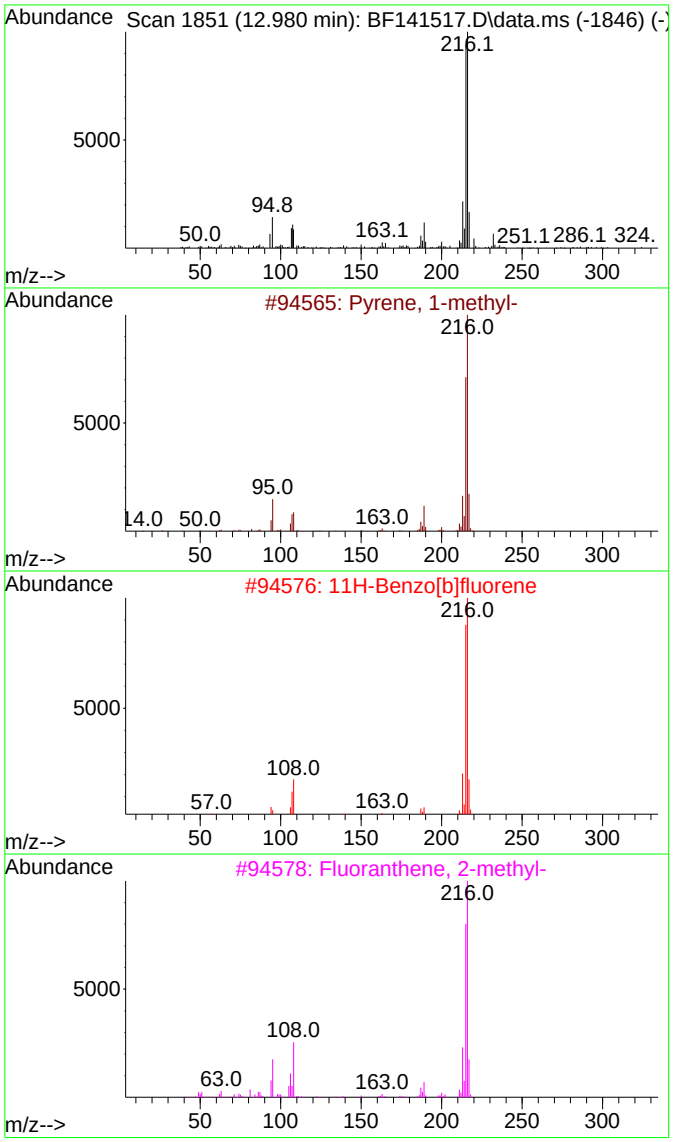
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TIC Integration Parameters: LSCINT.P

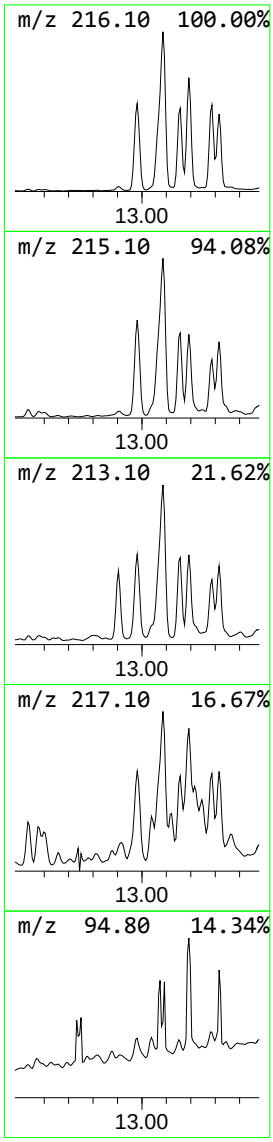
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Peak Number 8 Pyrene, 1-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.980 | 3.68 ng | 266499 | Chrysene-d12 | 13.963 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 98 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 87 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141517.D
Acq On : 07 Feb 2025 19:28
Operator : RC/JU
Sample : Q1216-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

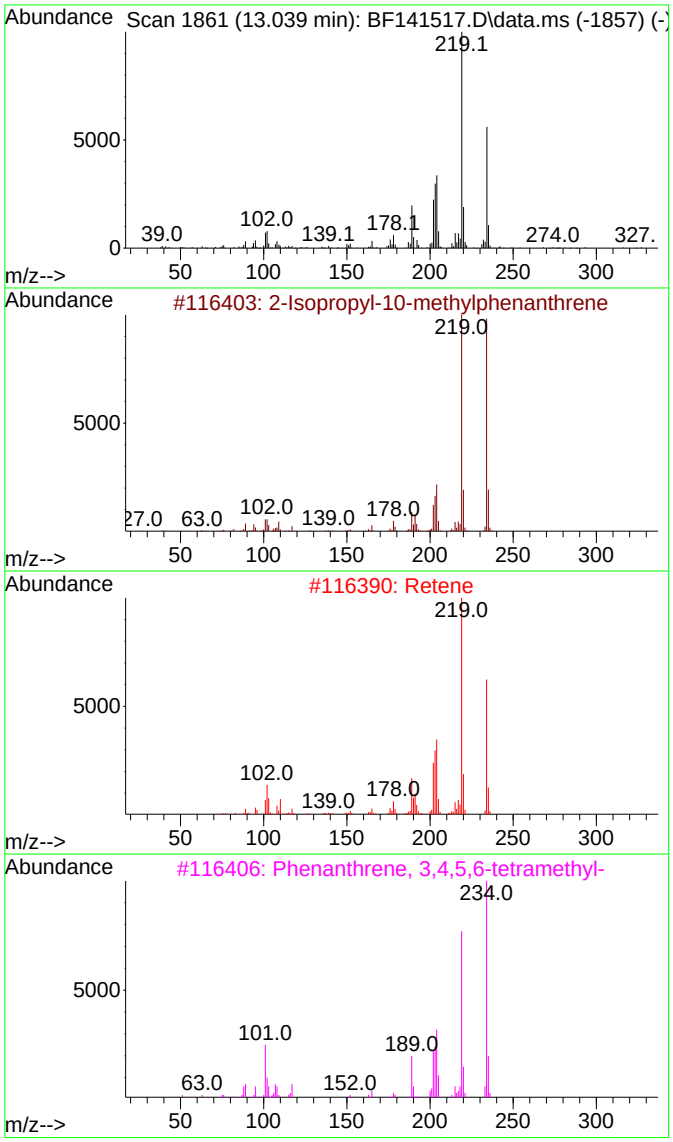
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TIC Integration Parameters: LSCINT.P

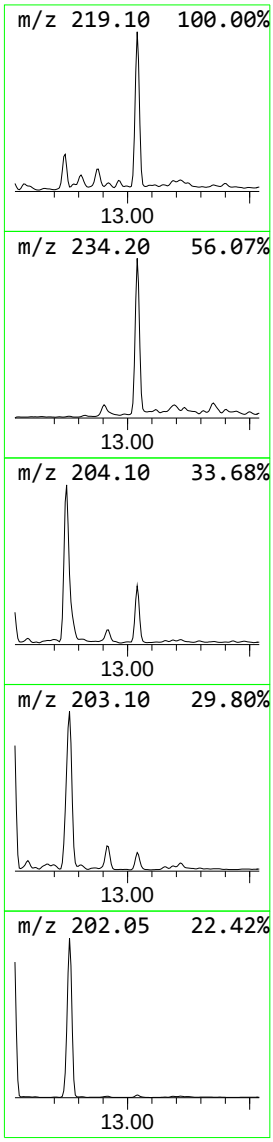
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Peak Number 9 2-Isopropyl-10-methylphenan... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.039 | 3.83 ng | 277225 | Chrysene-d12 | 13.963 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Isopropyl-10-methylphenanthrene | 234 | C18H18 | 066552-97-4 | 94 |
| 2 | Retene | 234 | C18H18 | 000483-65-8 | 94 |
| 3 | Phenanthrene, 3,4,5,6-tetramethyl- | 234 | C18H18 | 007343-06-8 | 89 |
| 4 | Phenanthrene, 2,4,5,7-tetramethyl- | 234 | C18H18 | 007396-38-5 | 58 |
| 5 | Ethanone, 1-(4,6-dihydroxy-2,3,5... | 234 | C13H14O4 | 021987-07-5 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141517.D
Acq On : 07 Feb 2025 19:28
Operator : RC/JU
Sample : Q1216-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

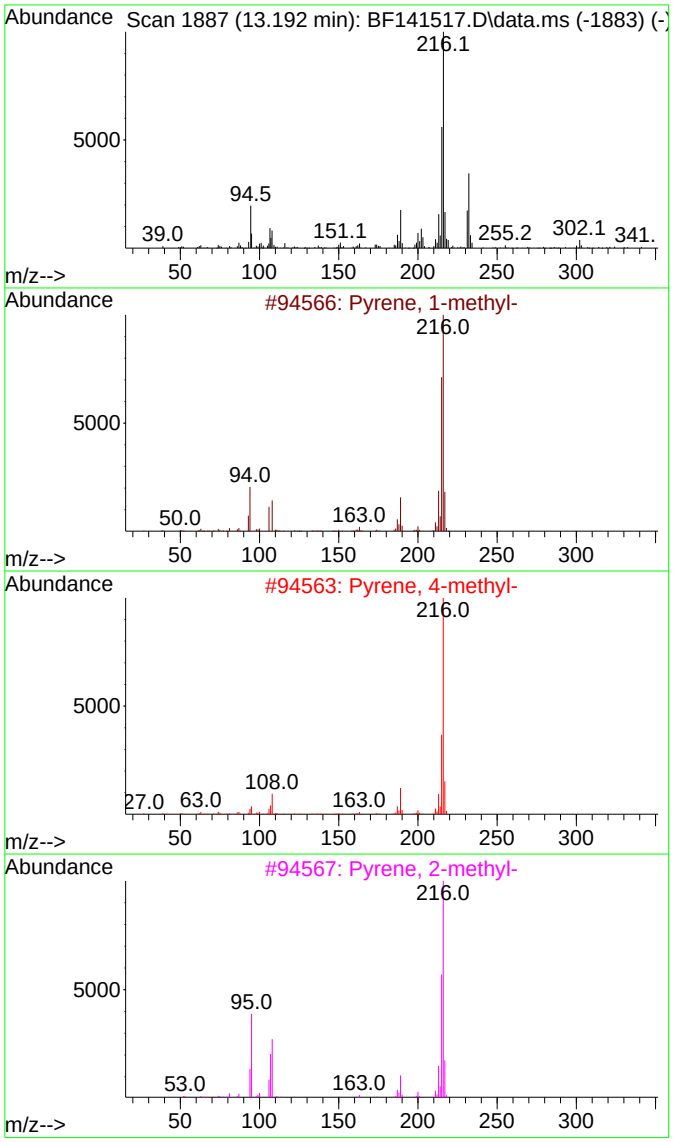
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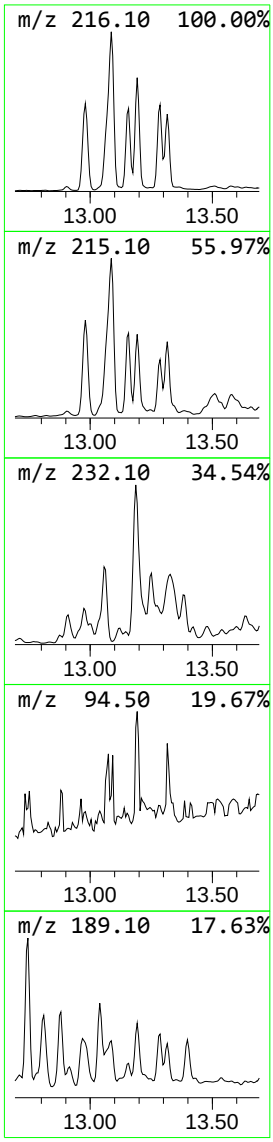
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Peak Number 10 Pyrene, 4-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.192 | 3.74 ng | 271272 | Chrysene-d12 | 13.963 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 93 |
| 2 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 90 |
| 3 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 89 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 64 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 58 |



Sample Results: **BF141517.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141517.D
Acq On : 07 Feb 2025 19:28
Operator : RC/JU
Sample : Q1216-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

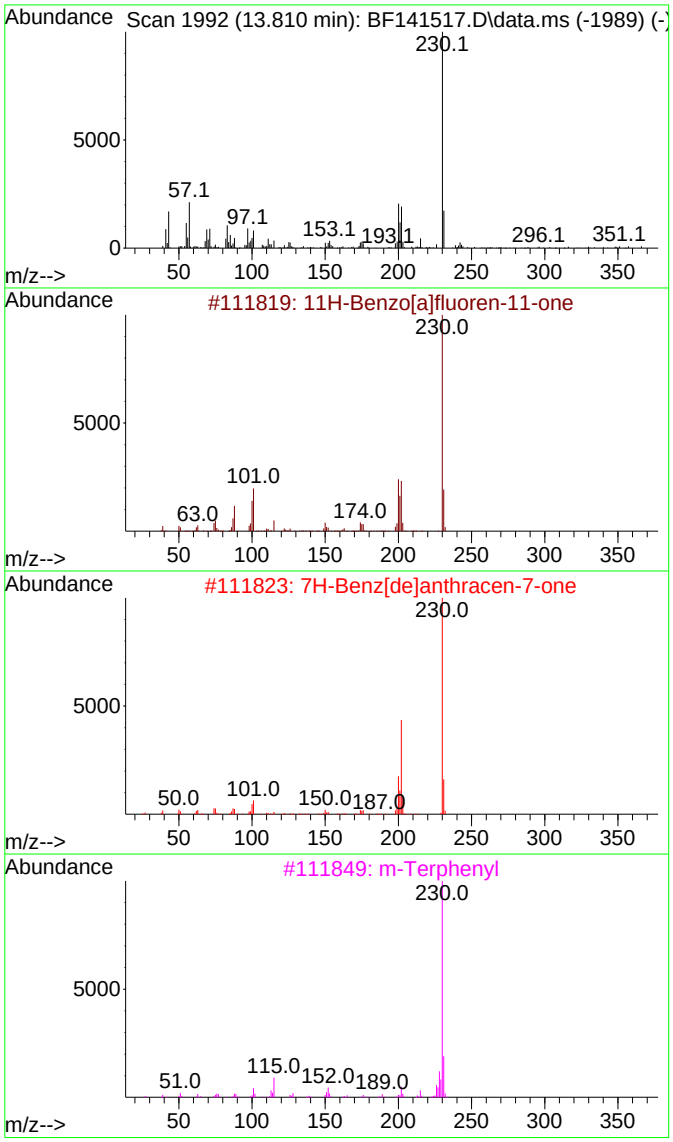
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

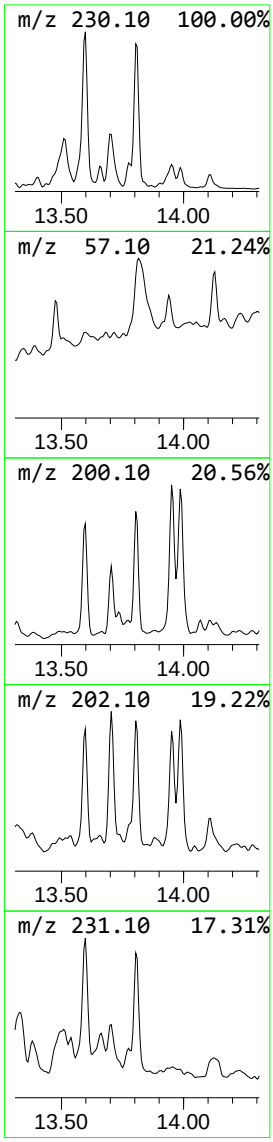
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Peak Number 11 11H-Benzo[a]fluoren-11-one Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.810 | 2.48 ng | 179713 | Chrysene-d12 | 13.963 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 95 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 89 |
| 3 | m-Terphenyl | 230 | C18H14 | 000092-06-8 | 50 |
| 4 | p-Terphenyl | 230 | C18H14 | 000092-94-4 | 50 |
| 5 | o-Terphenyl | 230 | C18H14 | 000084-15-1 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141517.D
Acq On : 07 Feb 2025 19:28
Operator : RC/JU
Sample : Q1216-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

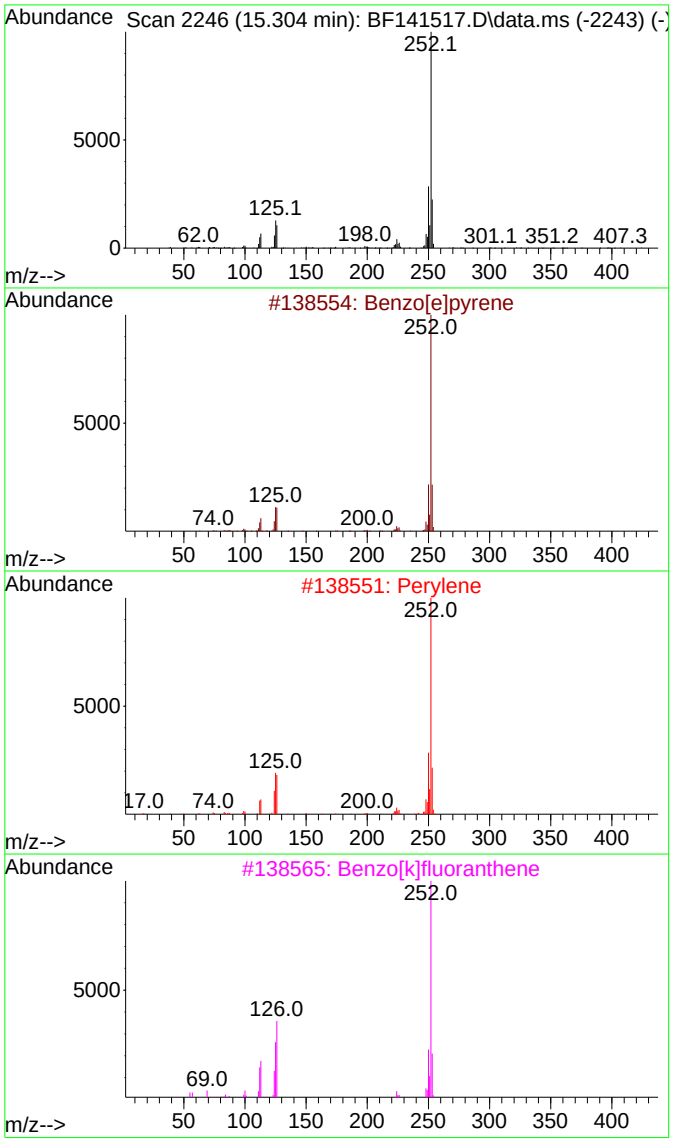
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

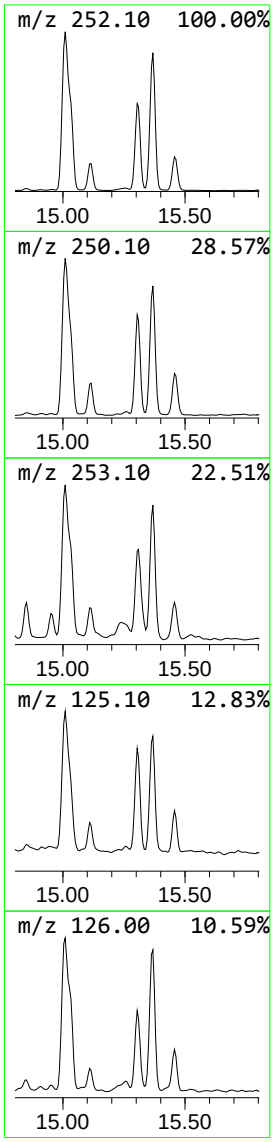
**********

Peak Number 12 Benzo[e]pyrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.304 | 23.06 ng | 347758 | Perylene-d12 | 15.427 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 99 |
| 2 | Perylene | 252 | C20H12 | 000198-55-0 | 97 |
| 3 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 95 |
| 4 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 95 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 90 |



Sample Results: **BF141517.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141517.D
Acq On : 07 Feb 2025 19:28
Operator : RC/JU
Sample : Q1216-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-18.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Octane, 2,4,6-t... | 9.228 | 2.3 | ng | 82157 | 3 | 9.828 | 722525 | 20.0 |
| Naphthalene, 2,... | 9.486 | 2.6 | ng | 93015 | 3 | 9.828 | 722525 | 20.0 |
| 1-Isopropenylna... | 10.439 | 2.3 | ng | 82143 | 3 | 9.828 | 722525 | 20.0 |
| Benzophenone | 10.539 | 5.5 | ng | 198472 | 3 | 9.828 | 722525 | 20.0 |
| Phenanthrene, 2... | 11.816 | 2.5 | ng | 321887 | 4 | 11.316 | 2579820 | 20.0 |
| Phenanthrene, 1... | 11.845 | 6.3 | ng | 805804 | 4 | 11.316 | 2579820 | 20.0 |
| Benzaldehyde, 3... | 11.927 | 5.7 | ng | 737982 | 4 | 11.316 | 2579820 | 20.0 |
| Pyrene, 1-methyl- | 12.980 | 3.7 | ng | 266499 | 5 | 13.963 | 1449480 | 20.0 |
| 2-Isopropyl-10-... | 13.039 | 3.8 | ng | 277225 | 5 | 13.963 | 1449480 | 20.0 |
| Pyrene, 4-methyl- | 13.192 | 3.7 | ng | 271272 | 5 | 13.963 | 1449480 | 20.0 |
| 11H-Benzo[a]flu... | 13.810 | 2.5 | ng | 179713 | 5 | 13.963 | 1449480 | 20.0 |
| Benzo[e]pyrene | 15.304 | 23.1 | ng | 347758 | 6 | 15.427 | 301549 | 20.0 |

Raw Data: **BF141516.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-21.1-012825 | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-07 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 90.4 |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141516.D | 1 | 01/30/25 09:15 | 02/07/25 19:02 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 360 | U | 200 | 360 | ug/Kg |
| 108-95-2 | Phenol | 190 | U | 91.5 | 190 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 190 | U | 92.4 | 190 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 190 | U | 92.2 | 190 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 190 | U | 89.0 | 190 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 190 | U | 100 | 190 | ug/Kg |
| 98-86-2 | Acetophenone | 190 | U | 95.9 | 190 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 360 | U | 88.1 | 360 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 88.3 | U | 44.5 | 88.3 | ug/Kg |
| 67-72-1 | Hexachloroethane | 190 | U | 91.6 | 190 | ug/Kg |
| 98-95-3 | Nitrobenzene | 190 | U | 100 | 190 | ug/Kg |
| 78-59-1 | Isophorone | 190 | U | 93.4 | 190 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 190 | U | 100 | 190 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 190 | U | 100 | 190 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 190 | U | 94.7 | 190 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 190 | U | 83.4 | 190 | ug/Kg |
| 91-20-3 | Naphthalene | 190 | U | 91.2 | 190 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 190 | U | 91.2 | 190 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 190 | U | 92.0 | 190 | ug/Kg |
| 105-60-2 | Caprolactam | 360 | U | 95.8 | 360 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 190 | U | 85.6 | 190 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 190 | U | 91.1 | 190 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 360 | UQ | 170 | 360 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 190 | U | 78.8 | 190 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 190 | U | 81.7 | 190 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 190 | U | 96.5 | 190 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 190 | U | 92.0 | 190 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 190 | U | 100 | 190 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 190 | U | 90.2 | 190 | ug/Kg |

Raw Data: **BF141516.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-21.1-012825 | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-07 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 90.4 |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141516.D | 1 | 01/30/25 09:15 | 02/07/25 19:02 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 190 | U | 95.5 | 190 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 190 | U | 91.9 | 190 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 190 | U | 98.5 | 190 | ug/Kg |
| 83-32-9 | Acenaphthene | 93.4 | J | 89.5 | 190 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 360 | U | 270 | 360 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 360 | U | 130 | 360 | ug/Kg |
| 132-64-9 | Dibenzofuran | 190 | U | 93.2 | 190 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U | 95.2 | 190 | ug/Kg |
| 84-66-2 | Diethylphthalate | 190 | U | 88.4 | 190 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U | 94.5 | 190 | ug/Kg |
| 86-73-7 | Fluorene | 190 | U | 94.4 | 190 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 190 | U | 120 | 190 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 360 | U | 130 | 360 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 190 | U | 90.1 | 190 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 190 | U | 87.1 | 190 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 190 | U | 93.8 | 190 | ug/Kg |
| 1912-24-9 | Atrazine | 190 | U | 100 | 190 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 360 | U | 85.3 | 360 | ug/Kg |
| 85-01-8 | Phenanthrene | 1100 | | 92.7 | 190 | ug/Kg |
| 120-12-7 | Anthracene | 290 | | 93.2 | 190 | ug/Kg |
| 86-74-8 | Carbazole | 190 | U | 88.7 | 190 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 190 | U | 93.1 | 190 | ug/Kg |
| 206-44-0 | Fluoranthene | 2200 | | 90.2 | 190 | ug/Kg |
| 129-00-0 | Pyrene | 2200 | | 91.6 | 190 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 190 | U | 110 | 190 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 360 | UQ | 110 | 360 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 1300 | | 89.1 | 190 | ug/Kg |
| 218-01-9 | Chrysene | 1100 | | 87.8 | 190 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 190 | U | 100 | 190 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 360 | U | 120 | 360 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 1400 | | 89.5 | 190 | ug/Kg |

Raw Data: **BF141516.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-21.1-012825 | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-07 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 90.4 |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141516.D | 1 | 01/30/25 09:15 | 02/07/25 19:02 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 560 | | 91.2 | 190 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 1300 | | 100 | 190 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 590 | | 86.2 | 190 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 190 | | 89.6 | 190 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 690 | | 88.4 | 190 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 190 | U | 95.8 | 190 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 190 | U | 120 | 190 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 190 | U | 82.5 | 190 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 72.7 | | 18 - 112 | 48% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 69.9 | | 15 - 107 | 47% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 49.8 | | 18 - 107 | 50% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 51.8 | | 20 - 109 | 52% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 62.4 | | 10 - 116 | 42% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 46.3 | | 10 - 105 | 46% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 86300 | 6.792 | | | |
| 1146-65-2 | Naphthalene-d8 | 330000 | 8.069 | | | |
| 15067-26-2 | Acenaphthene-d10 | 157000 | 9.828 | | | |
| 1517-22-2 | Phenanthrene-d10 | 229000 | 11.316 | | | |
| 1719-03-5 | Chrysene-d12 | 157000 | 13.963 | | | |
| 1520-96-3 | Perylene-d12 | 121000 | 15.427 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |
| 000119-61-9 | Benzophenone | 170 | J | | 10.5 | ug/Kg |
| | unknown11.175 | 83.5 | J | | 11.2 | ug/Kg |
| 000233-02-3 | Naphtho[2,1-b]thiophene | 75.1 | J | | 11.2 | ug/Kg |
| 007599-23-7 | 1,1-Biphenyl, 2-azido- | 140 | J | | 11.6 | ug/Kg |
| 000605-02-7 | Naphthalene, 1-phenyl- | 82.4 | J | | 11.6 | ug/Kg |
| 000832-69-9 | Phenanthrene, 1-methyl- | 200 | J | | 11.8 | ug/Kg |
| 002531-84-2 | Phenanthrene, 2-methyl- | 450 | J | | 11.8 | ug/Kg |

Raw Data: **BF141516.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-21.1-012825 | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-07 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 90.4 |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141516.D | 1 | 01/30/25 09:15 | 02/07/25 19:02 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 000949-41-7 | 1H-Cyclopropa[l]phenanthrene,1a,9b | 140 | J | | 11.9 | ug/Kg |
| 000090-60-8 | Benzaldehyde, 3,5-dichloro-2-hydro | 540 | J | | 11.9 | ug/Kg |
| 000612-94-2 | Naphthalene, 2-phenyl- | 230 | J | | 12.1 | ug/Kg |
| 000084-65-1 | 9,10-Anthracenedione | 80.6 | J | | 12.1 | ug/Kg |
| 003674-69-9 | Phenanthrene, 4,5-dimethyl- | 74.7 | J | | 12.3 | ug/Kg |
| 003674-66-6 | Phenanthrene, 2,5-dimethyl- | 190 | J | | 12.4 | ug/Kg |
| | unknown12.404 | 150 | J | | 12.4 | ug/Kg |
| 005737-13-3 | Cyclopenta(def)phenanthrenone | 170 | J | | 12.5 | ug/Kg |
| 002381-21-7 | Pyrene, 1-methyl- | 120 | J | | 13.0 | ug/Kg |
| 033543-31-6 | Fluoranthene, 2-methyl- | 140 | J | | 13.1 | ug/Kg |
| 003442-78-2 | Pyrene, 2-methyl- | 110 | J | | 13.2 | ug/Kg |
| 000192-97-2 | Benzo[e]pyrene | 960 | J | | 15.3 | ug/Kg |

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Quant Time: Feb 07 22:25:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

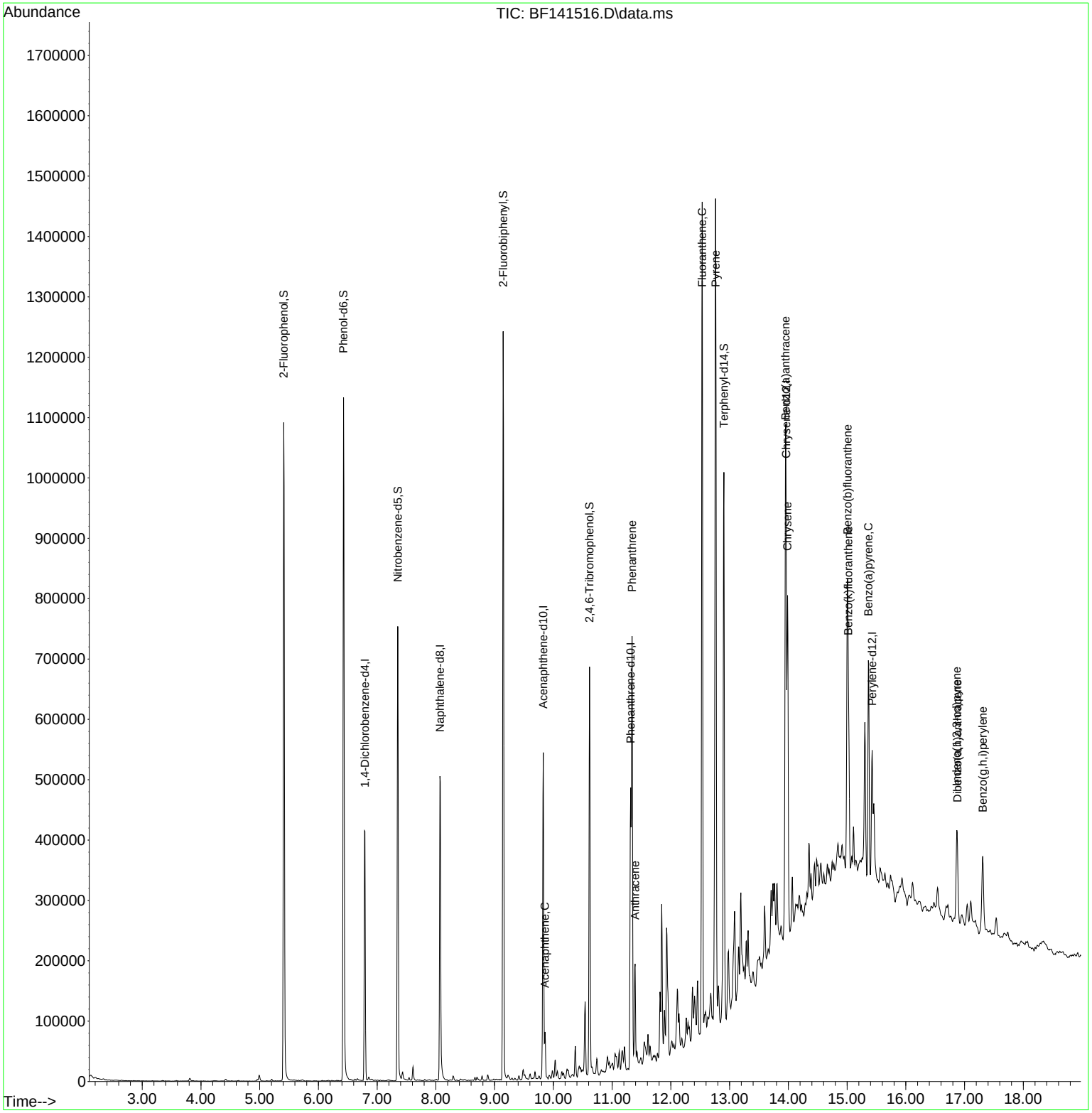
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.792 | 152 | 86290 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.069 | 136 | 329638 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.828 | 164 | 156807 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.316 | 188 | 228703 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.963 | 240 | 157412 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.427 | 264 | 120991 | 20.000 | ng | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.410 | 112 | 400166 | 72.703 | ng | | 0.00 |
| 7) Phenol-d6 | 6.428 | 99 | 485966 | 69.856 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.351 | 82 | 314467 | 49.758 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.616 | 330 | 98339 | 62.430 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.145 | 172 | 527403 | 51.818 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.904 | 244 | 432159 | 46.347 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 52) Acenaphthene | 9.857 | 154 | 22824 | 2.539 | ng | | 99 |
| 71) Phenanthrene | 11.339 | 178 | 372594 | 29.597 | ng | | 100 |
| 72) Anthracene | 11.392 | 178 | 100278 | 7.924 | ng | | 99 |
| 75) Fluoranthene | 12.533 | 202 | 784240 | 58.758 | ng | | 100 |
| 78) Pyrene | 12.763 | 202 | 805487 | 60.111 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.951 | 228 | 372538 | 35.603 | ng | | 98 |
| 83) Chrysene | 13.986 | 228 | 301853 | 31.242 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.868 | 276 | 120330 | 16.096 | ng | | 95 |
| 88) Benzo(b)fluoranthene | 15.010 | 252 | 314512m | 38.714 | ng | | |
| 89) Benzo(k)fluoranthene | 15.021 | 252 | 105766m | 15.246 | ng | | |
| 90) Benzo(a)pyrene | 15.362 | 252 | 226878 | 34.513 | ng | | 96 |
| 91) Dibenzo(a,h)anthracene | 16.880 | 278 | 30455 | 5.028 | ng | # | 89 |
| 92) Benzo(g,h,i)perylene | 17.309 | 276 | 118385 | 18.675 | ng | | 97 |

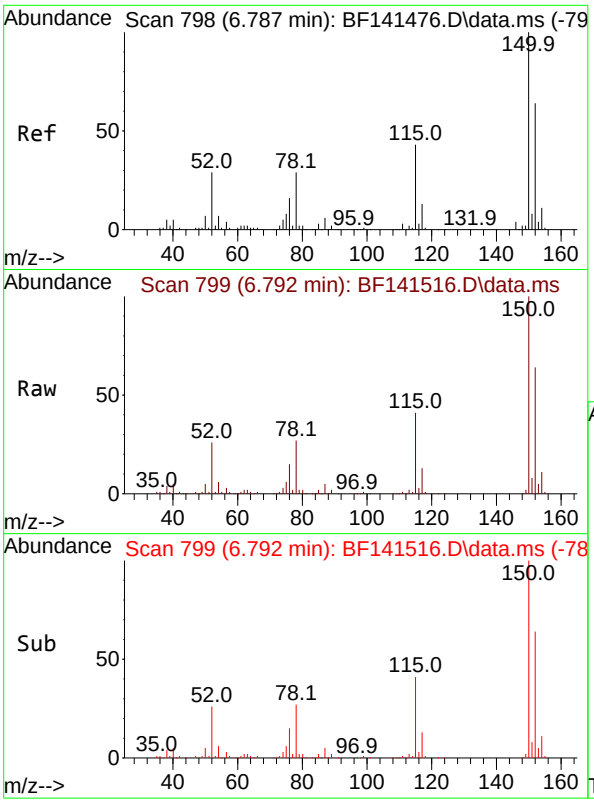
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Quant Time: Feb 07 22:25:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



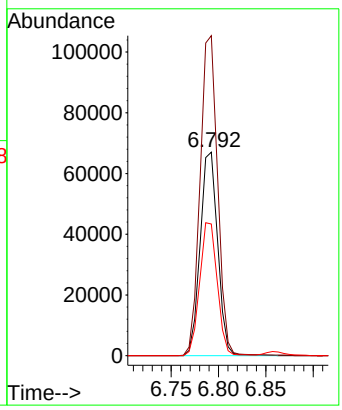


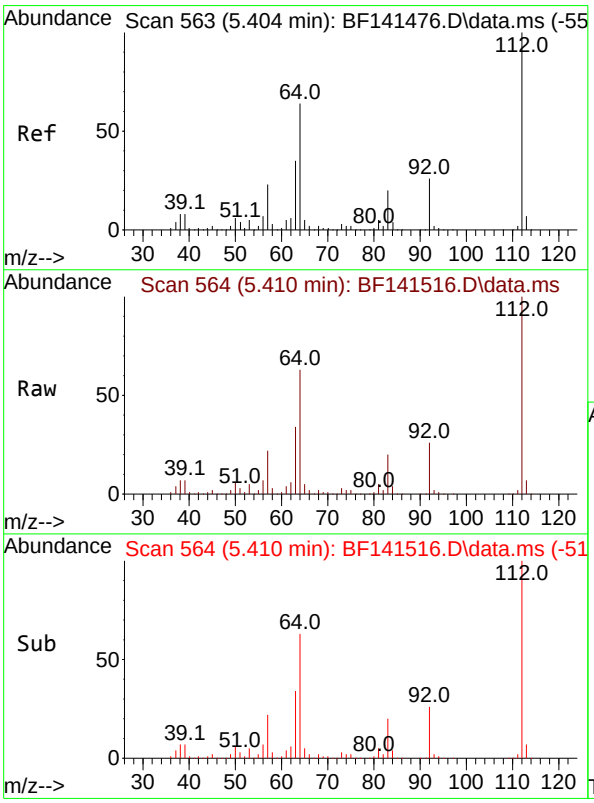

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Tgt Ion:152 Resp: 86290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.2 | 125.0 | 187.4 |
| 115 | 64.7 | 53.6 | 80.4 |

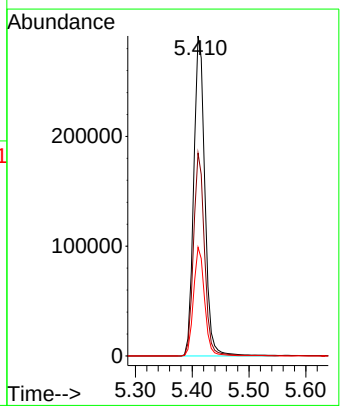


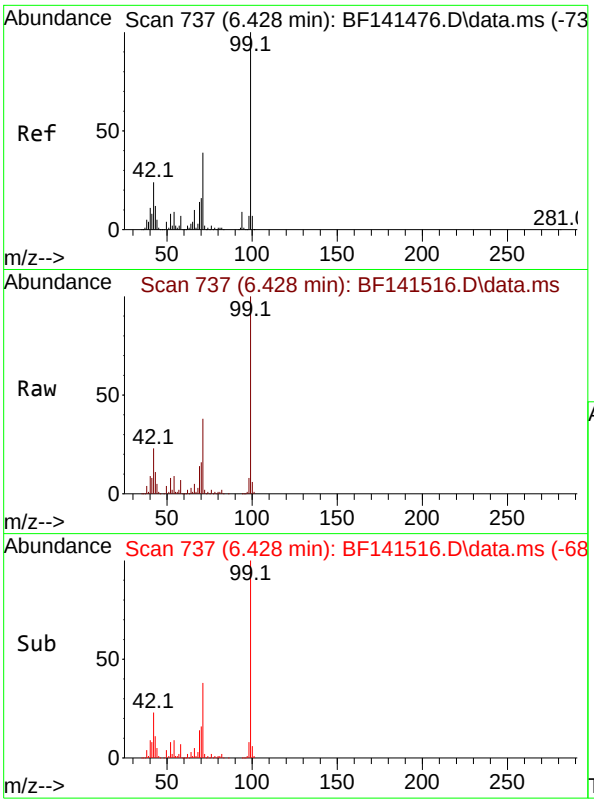




#5
2-Fluorophenol
Concen: 72.703 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:112 Resp: 400166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.4 | 51.1 | 76.7 |
| 63 | 34.0 | 28.4 | 42.6 |



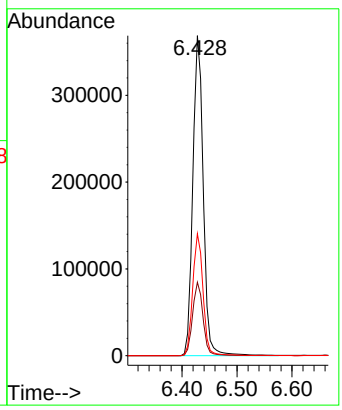


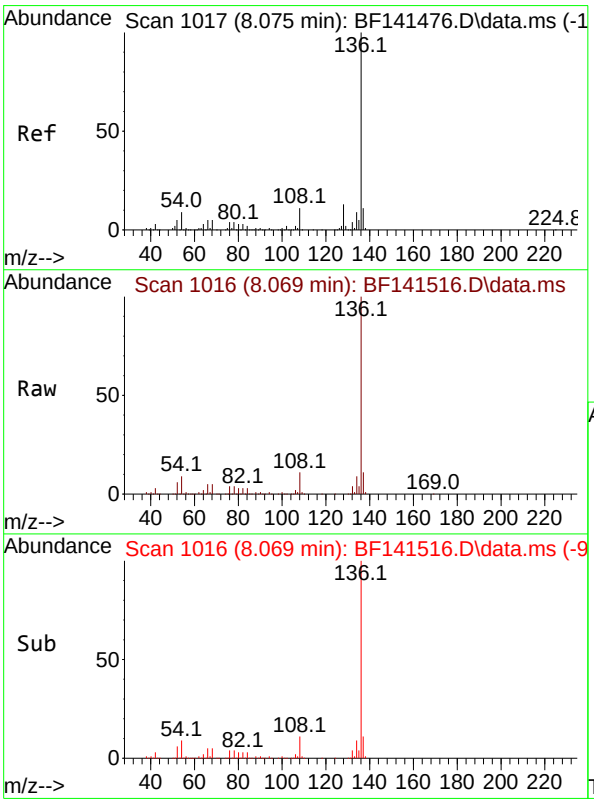

#7
Phenol-d6
Concen: 69.856 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Tgt Ion: 99 Resp: 485966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.0 | 19.1 | 28.7 |
| 71 | 38.1 | 31.1 | 46.7 |

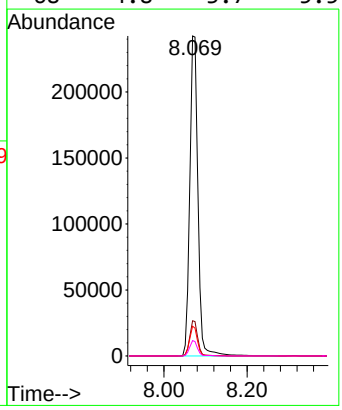


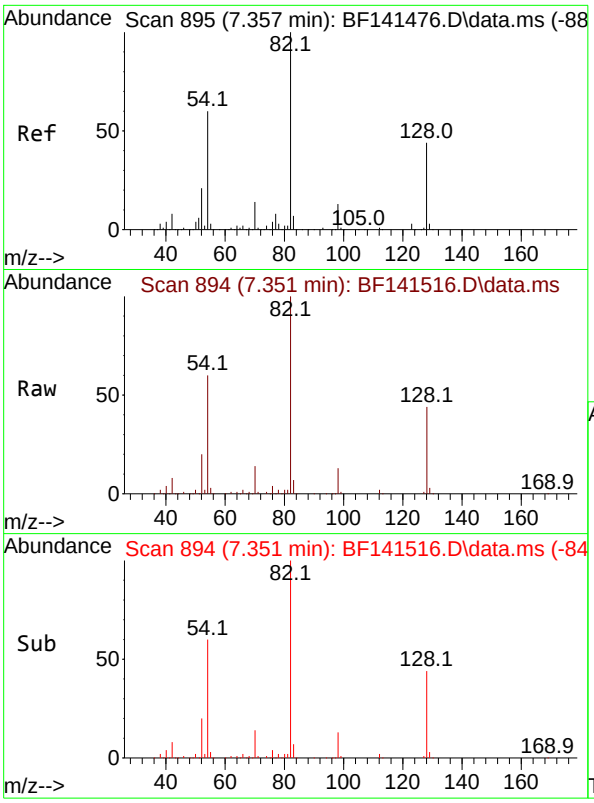




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:136 Resp: 329638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.6 | 13.0 |
| 54 | 9.3 | 7.2 | 10.8 |
| 68 | 4.8 | 3.7 | 5.5 |



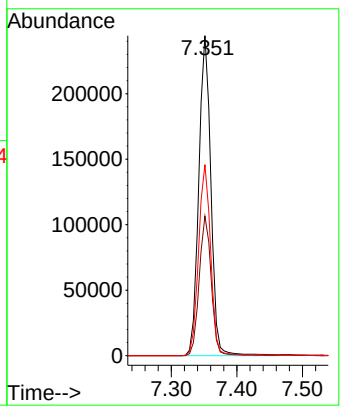


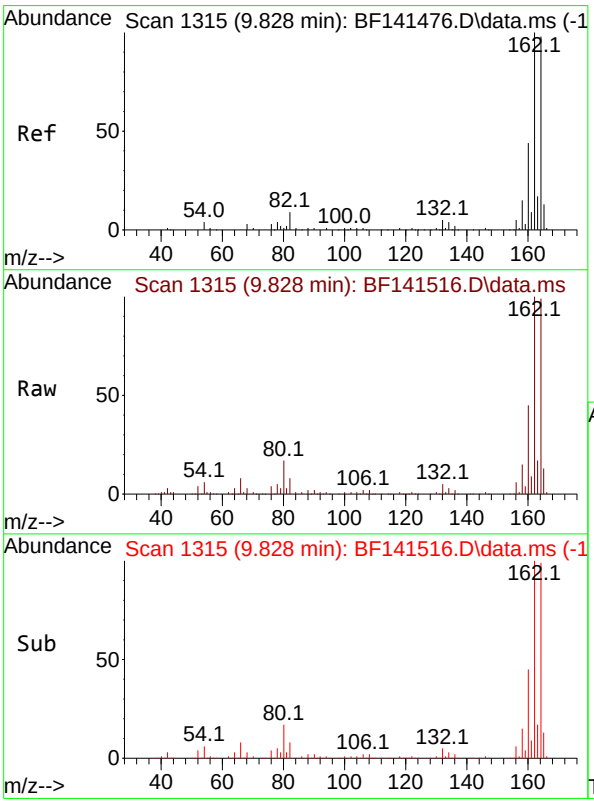

#23
Nitrobenzene-d5
Concen: 49.758 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Tgt Ion: 82 Resp: 314467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.6 | 34.8 | 52.2 |
| 54 | 59.7 | 48.2 | 72.4 |

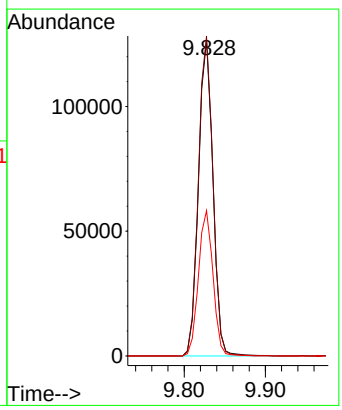


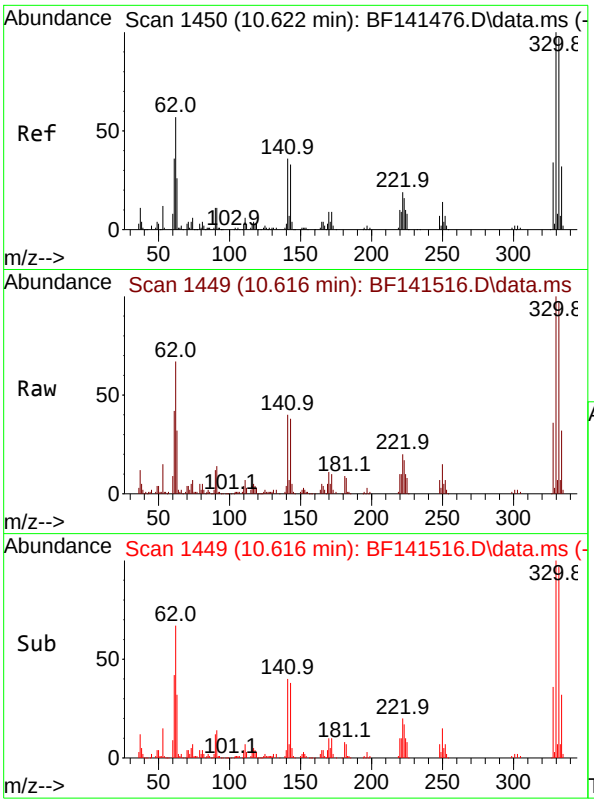




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:164 Resp: 156807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.4 | 81.3 | 121.9 |
| 160 | 46.0 | 35.9 | 53.9 |



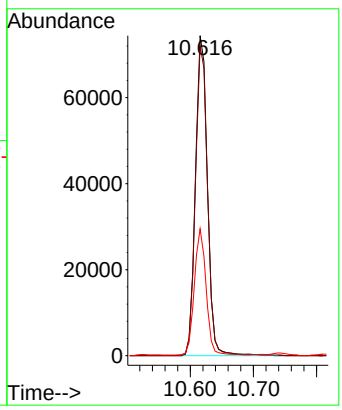


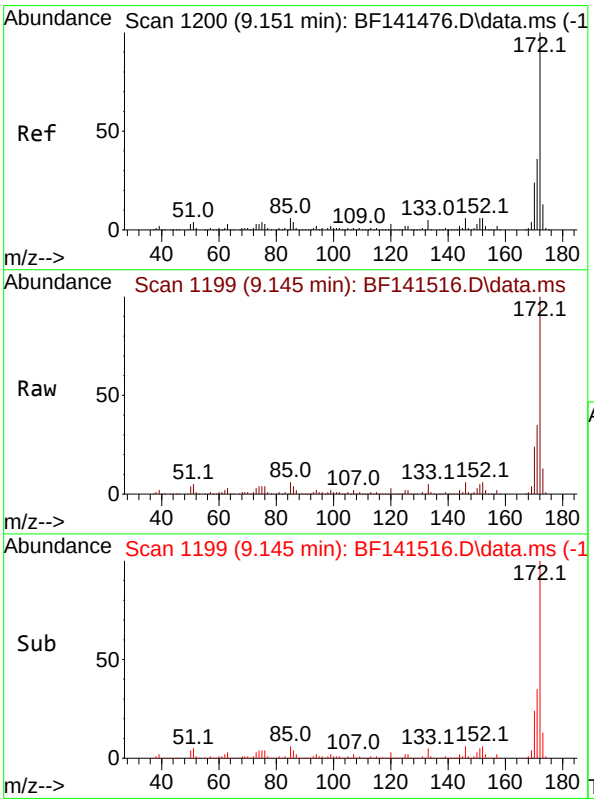

#42
2,4,6-Tribromophenol
Concen: 62.430 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Tgt Ion:330 Resp: 98339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.4 | 78.5 | 117.7 |
| 141 | 38.4 | 31.0 | 46.4 |

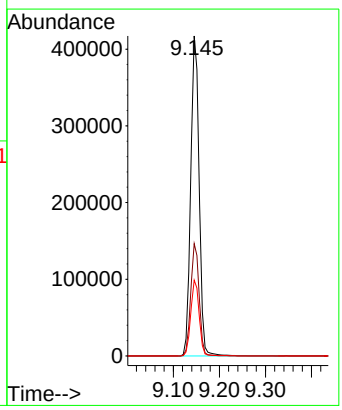


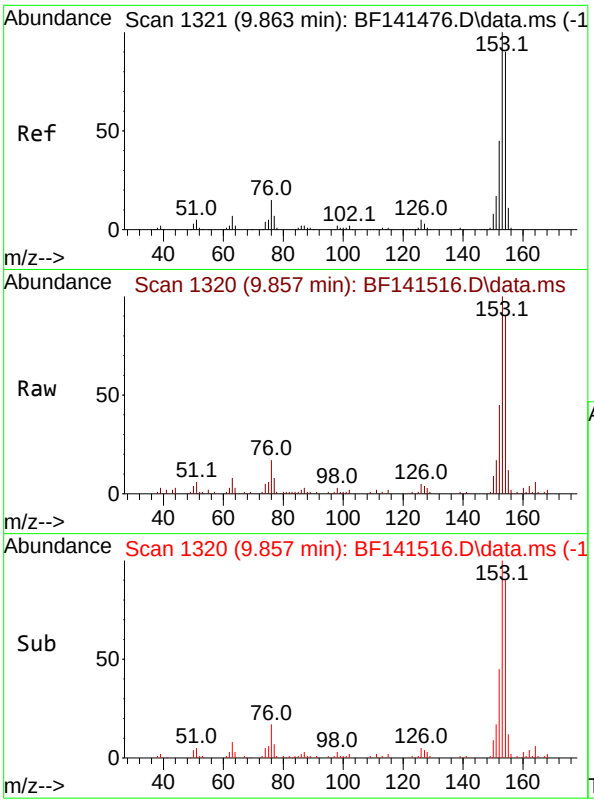




#45
2-Fluorobiphenyl
Concen: 51.818 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:172 Resp: 527403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.1 | 28.7 | 43.1 |
| 170 | 23.7 | 18.9 | 28.3 |



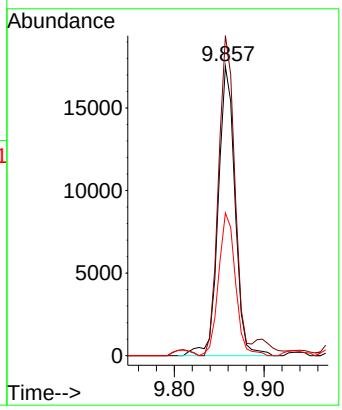


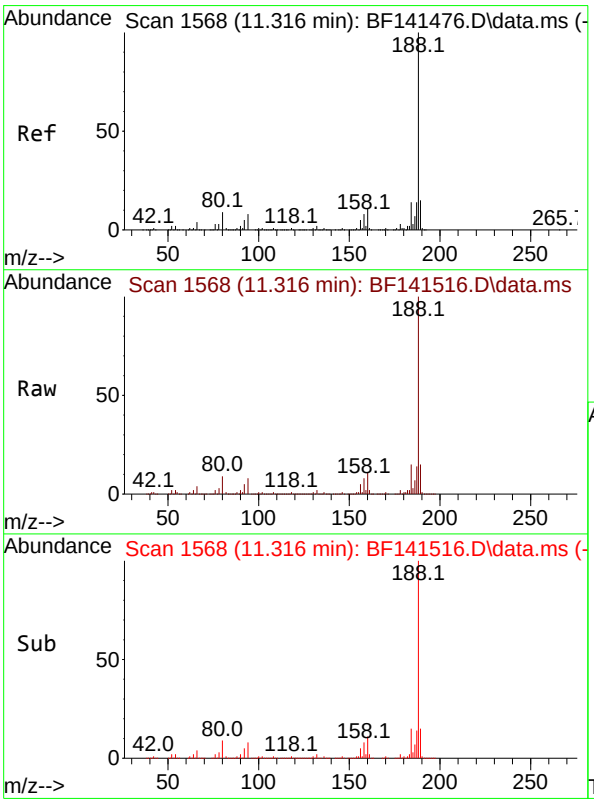

#52
Acenaphthene
Concen: 2.539 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Tgt Ion:154 Resp: 22824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.6 | 89.2 | 133.8 |
| 152 | 49.3 | 39.8 | 59.8 |

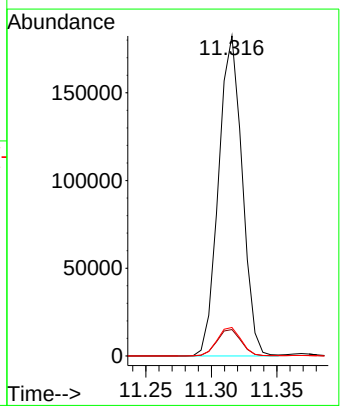


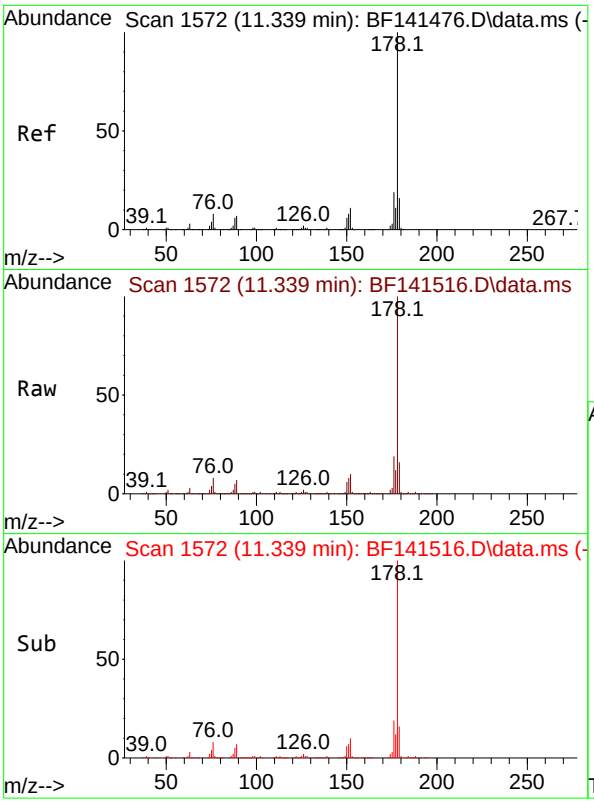




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:188 Resp: 228703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.3 | 6.6 | 10.0 |
| 80 | 8.9 | 7.3 | 10.9 |



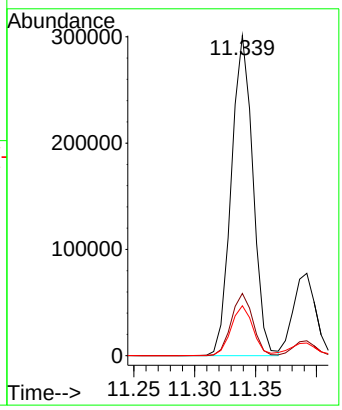


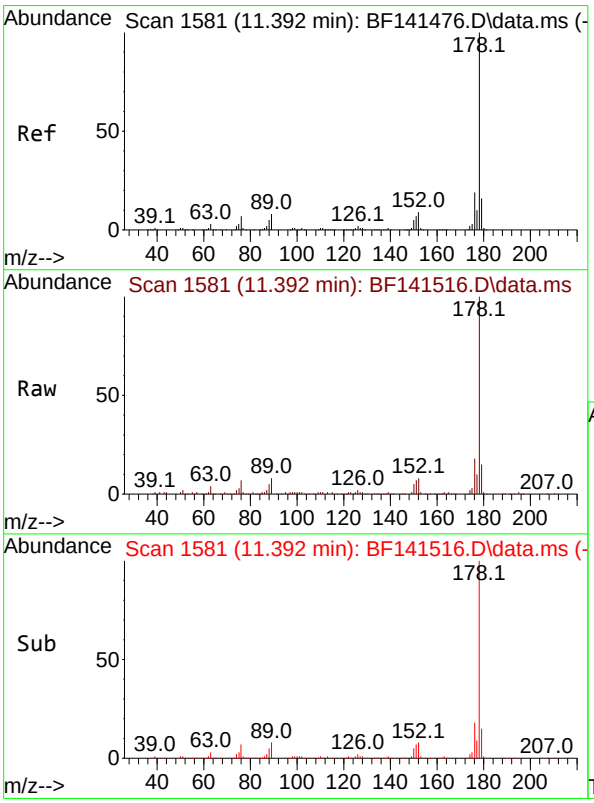

#71
Phenanthrene
Concen: 29.597 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Tgt Ion:178 Resp: 372594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.4 | 23.0 |
| 179 | 15.6 | 12.4 | 18.6 |

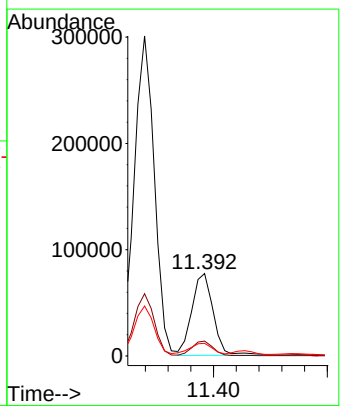


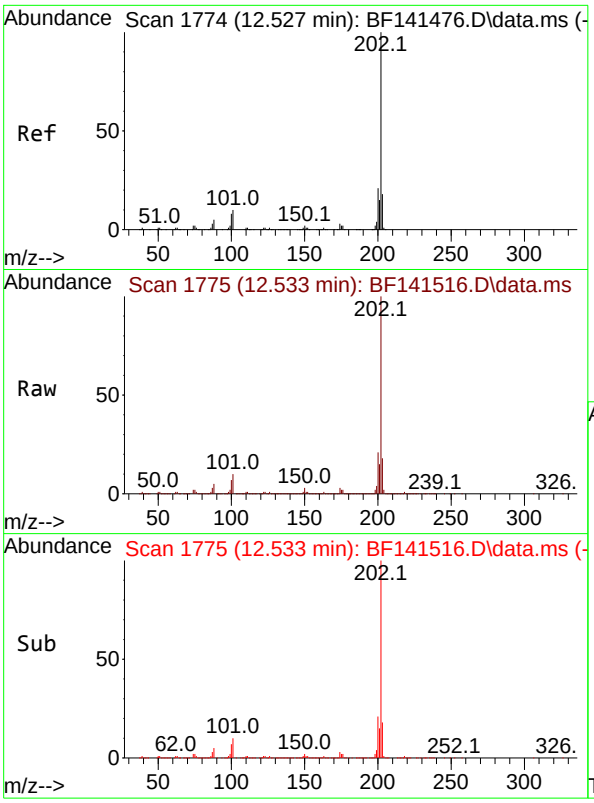




#72
Anthracene
Concen: 7.924 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:178 Resp: 100278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.1 | 14.8 | 22.2 |
| 179 | 15.3 | 12.4 | 18.6 |



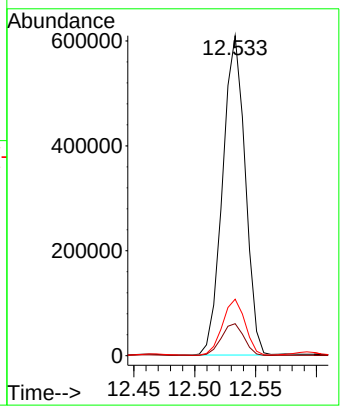


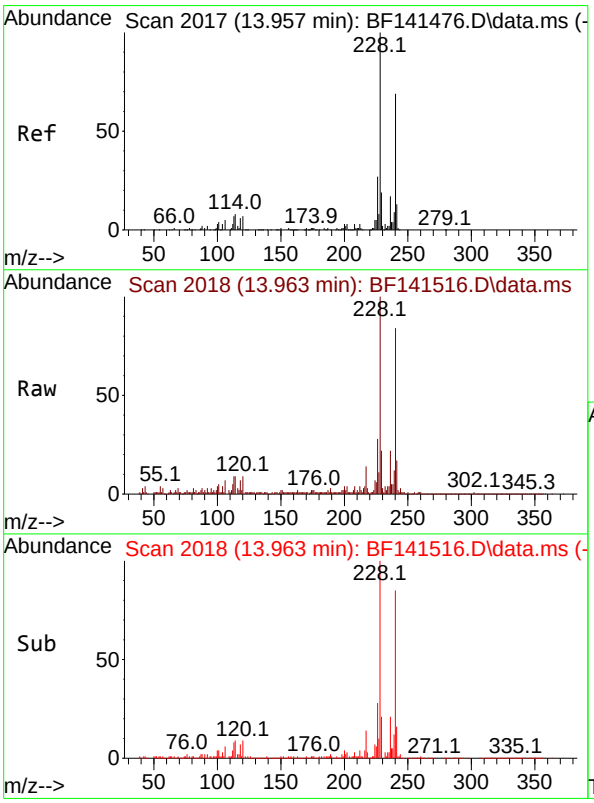

#75
Fluoranthene
Concen: 58.758 ng
RT: 12.533 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Tgt Ion:202 Resp: 784240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.0 | 0.0 | 30.2 |
| 203 | 17.7 | 0.0 | 37.6 |

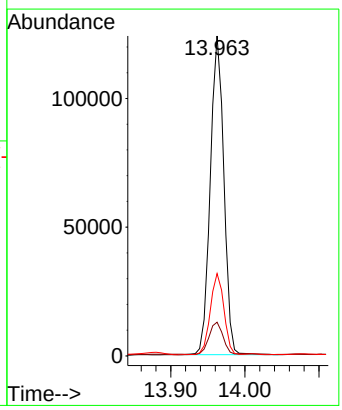


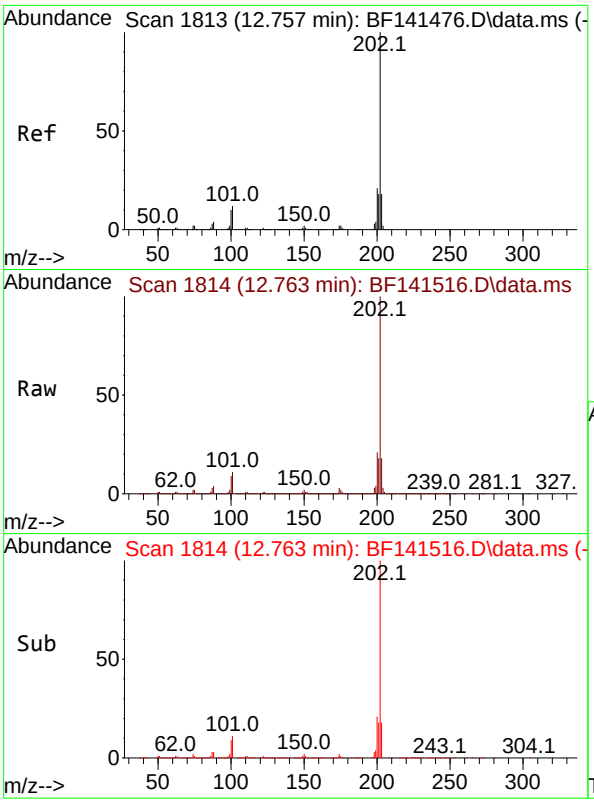




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:240 Resp: 157412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.5 | 8.0 | 12.0 |
| 236 | 25.7 | 19.8 | 29.8 |



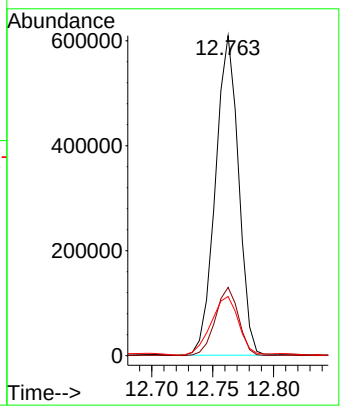


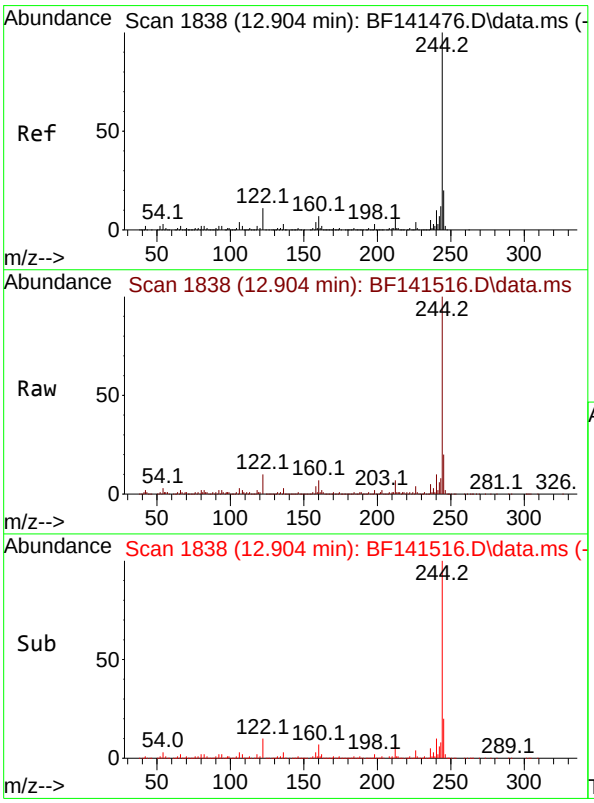

#78
Pyrene
Concen: 60.111 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Tgt Ion:202 Resp: 805487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 17.0 | 25.4 |
| 203 | 18.5 | 14.3 | 21.5 |

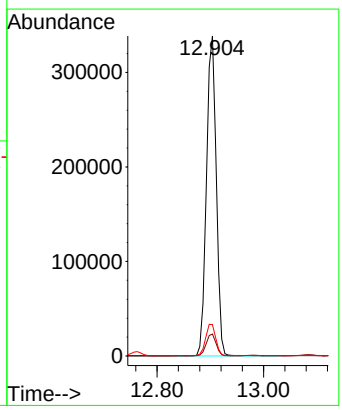


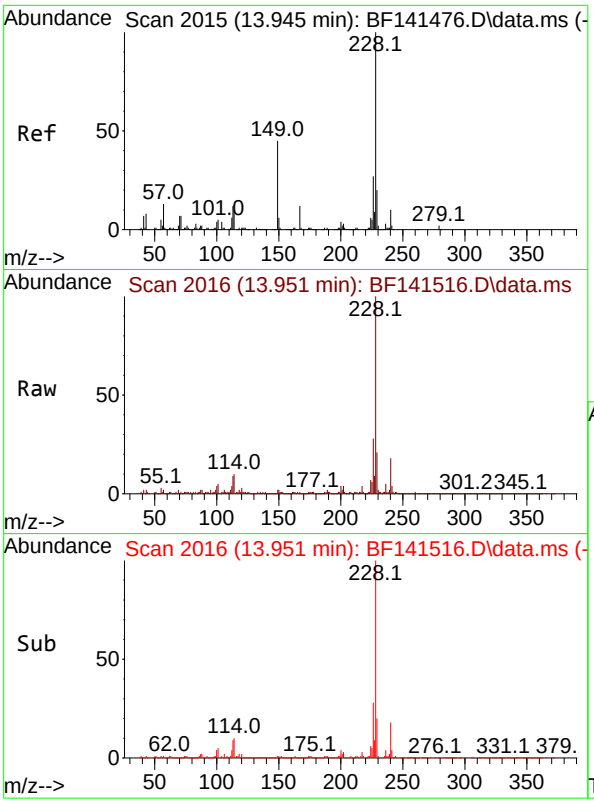




#79
Terphenyl-d14
Concen: 46.347 ng
RT: 12.904 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:244 Resp: 432159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.6 | 8.4 |
| 122 | 9.8 | 8.4 | 12.6 |



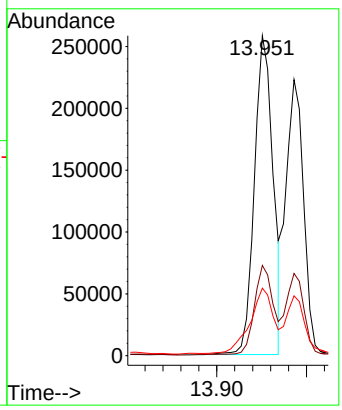


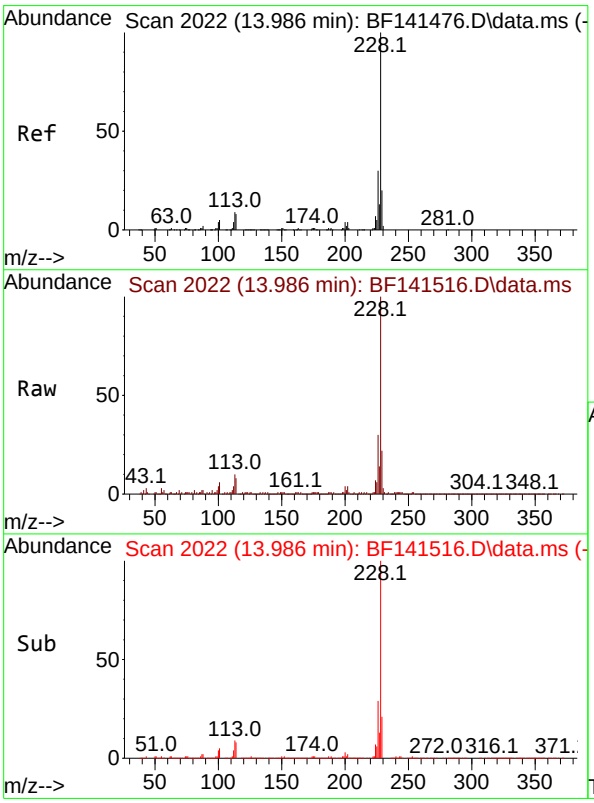

#81
Benzo(a)anthracene
Concen: 35.603 ng
RT: 13.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Tgt Ion:228 Resp: 372538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.2 | 21.8 | 32.8 |
| 229 | 21.1 | 15.8 | 23.6 |

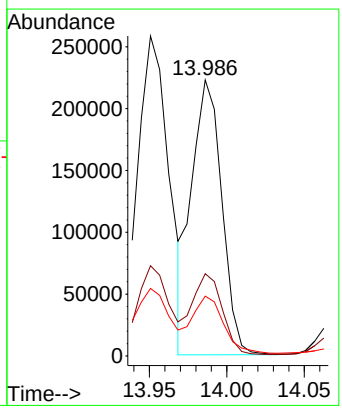


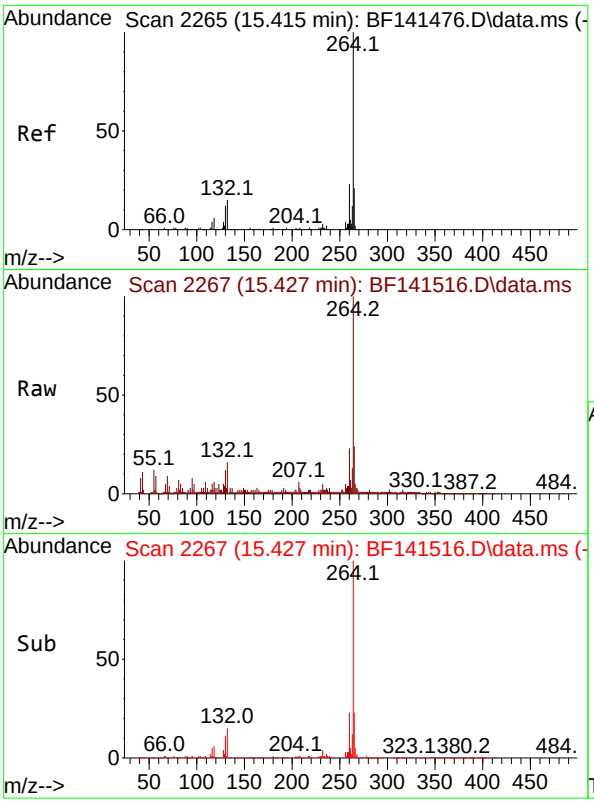




#83
Chrysene
Concen: 31.242 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:228 Resp: 301853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 24.0 | 36.0 |
| 229 | 21.7 | 15.7 | 23.5 |



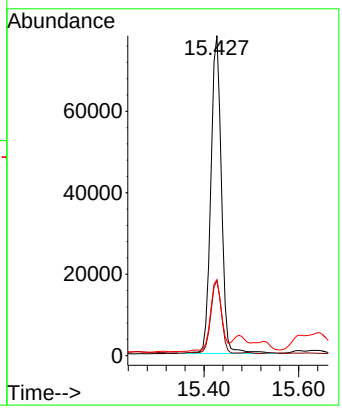


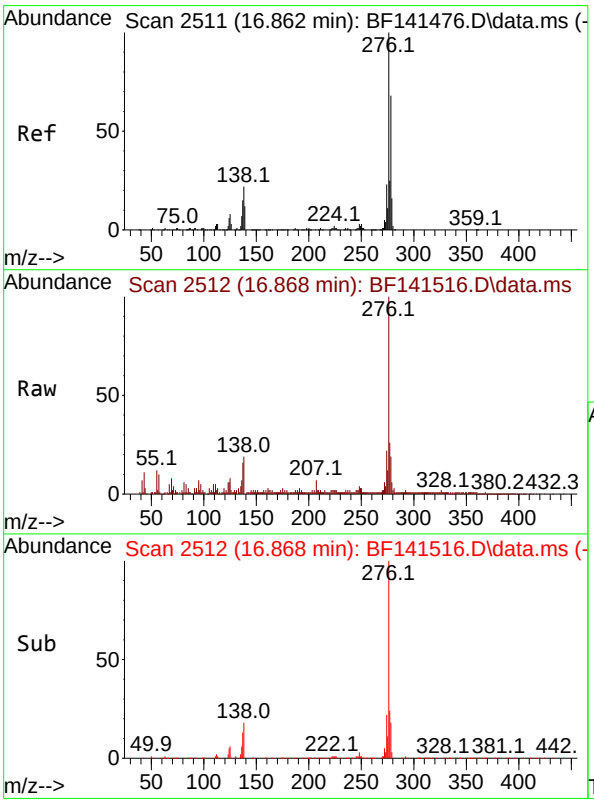

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Tgt Ion:264 Resp: 120991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.6 | 28.0 |
| 265 | 23.7 | 17.0 | 25.4 |

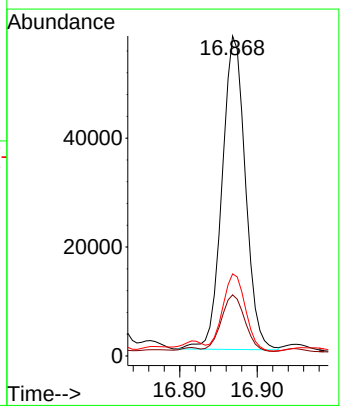


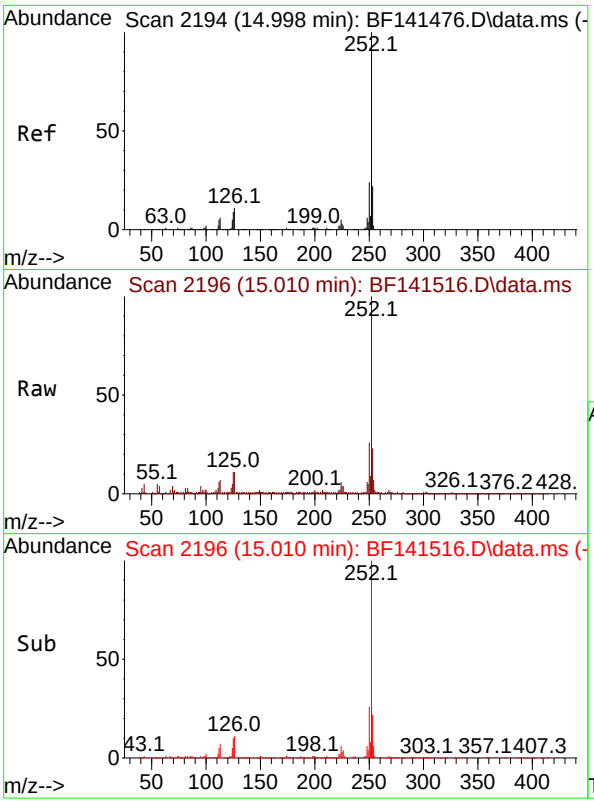




#87
Indeno(1,2,3-cd)pyrene
Concen: 16.096 ng
RT: 16.868 min Scan# 2512
Delta R.T. -0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:276 Resp: 120330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.0 | 18.0 | 27.0 |
| 277 | 24.1 | 20.4 | 30.6 |



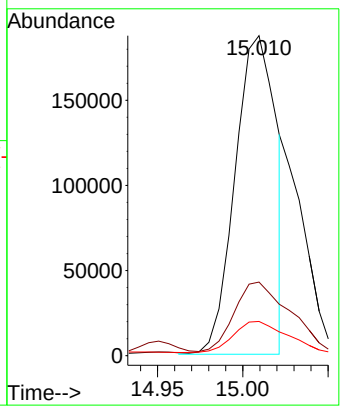


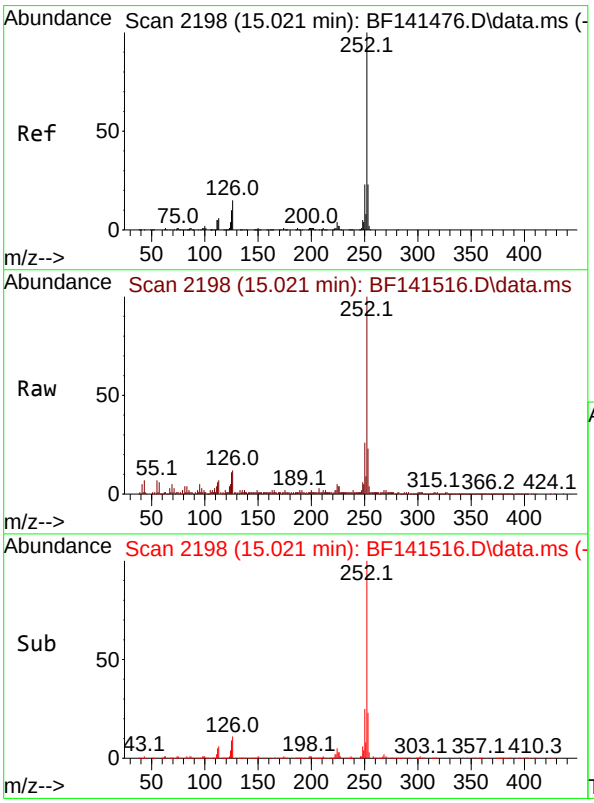

#88
Benzo(b)fluoranthene
Concen: 38.714 ng m
RT: 15.010 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Tgt Ion:252 Resp: 314512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 17.5 | 26.3 |
| 125 | 10.7 | 7.0 | 10.6# |

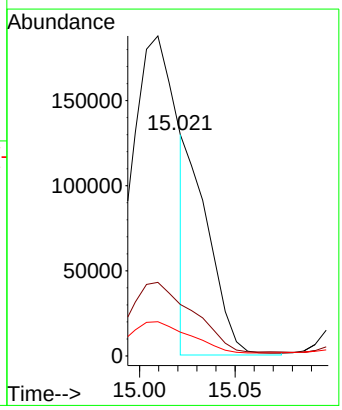


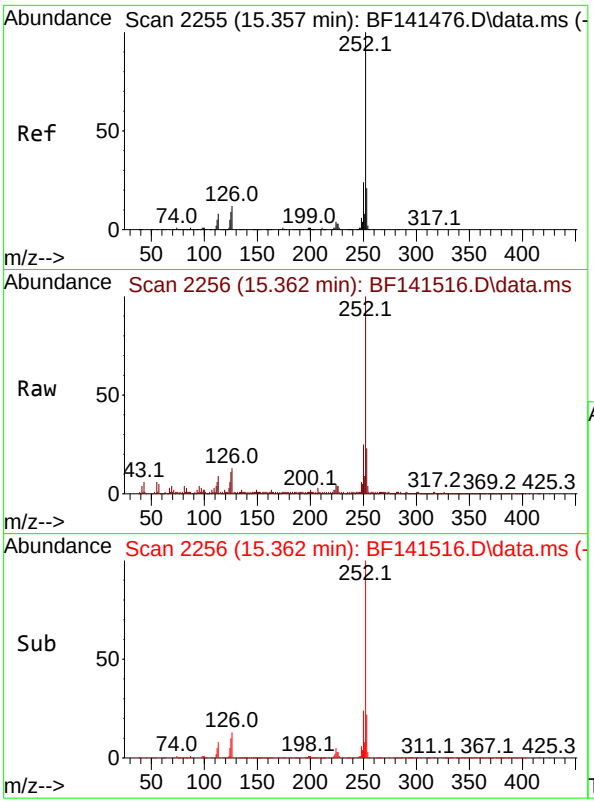




#89
Benzo(k)fluoranthene
Concen: 15.246 ng m
RT: 15.021 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:252 Resp: 105766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 18.0 | 27.0 |
| 125 | 10.8 | 7.4 | 11.0 |



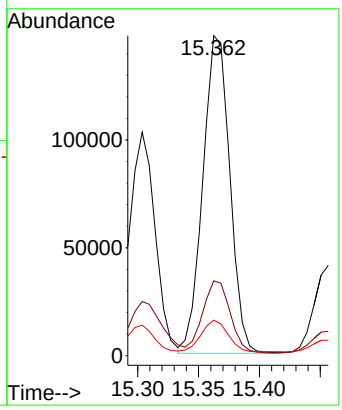


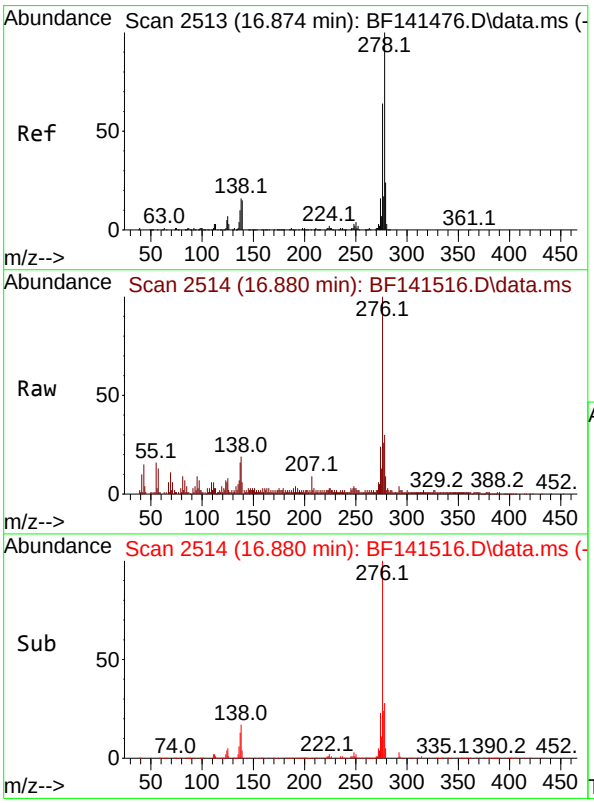

#90
Benzo(a)pyrene
Concen: 34.513 ng
RT: 15.362 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Tgt Ion:252 Resp: 226878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 17.1 | 25.7 |
| 125 | 11.1 | 7.4 | 11.2 |

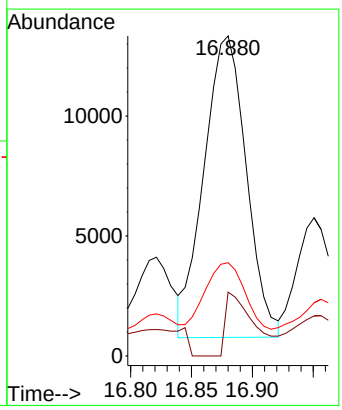


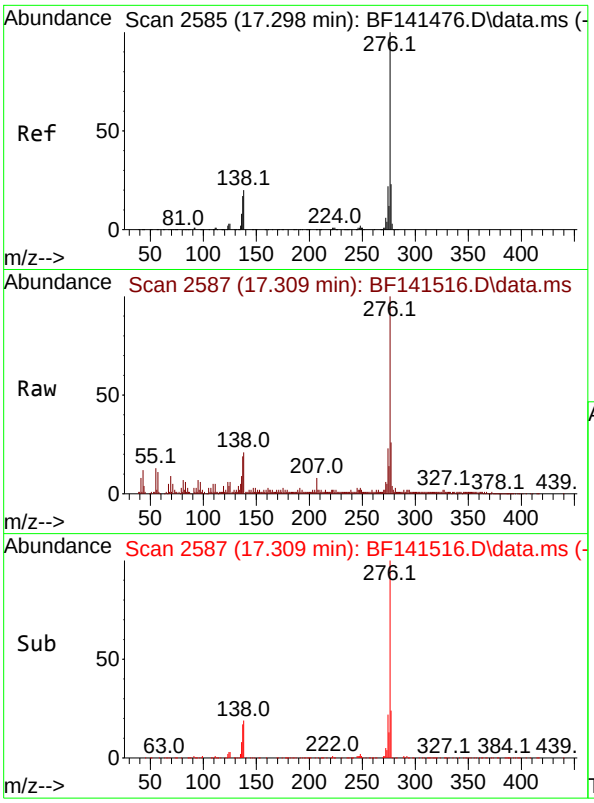




#91
Dibenzo(a,h)anthracene
Concen: 5.028 ng
RT: 16.880 min Scan# 2514
Delta R.T. -0.012 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:278 Resp: 30455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 20.0 | 11.8 | 17.6# |
| 279 | 29.2 | 19.1 | 28.7# |



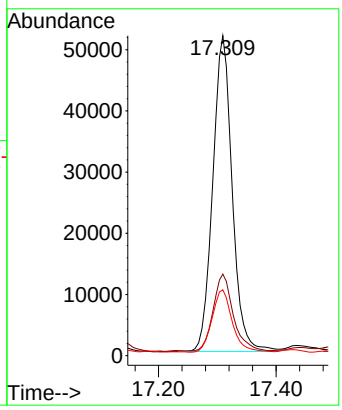



#92
Benzo(g,h,i)perylene
Concen: 18.675 ng
RT: 17.309 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Tgt Ion:276 Resp: 118385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.5 | 18.6 | 28.0 |
| 138 | 20.6 | 15.9 | 23.9 |



Sample Results: **BF141516.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141516.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.410 | 559 | 564 | 584 | rBV | 1089502 | 1469364 | 71.85% | 6.083% |
| 2 | 6.428 | 732 | 737 | 754 | rBV | 1130634 | 1506643 | 73.67% | 6.237% |
| 3 | 6.787 | 793 | 798 | 805 | rBV | 413785 | 534166 | 26.12% | 2.211% |
| 4 | 7.351 | 888 | 894 | 904 | rBV | 752438 | 965382 | 47.21% | 3.997% |
| 5 | 7.434 | 904 | 908 | 919 | rVB2 | 12991 | 22067 | 1.08% | 0.091% |
| 6 | 7.610 | 933 | 938 | 948 | rVB | 22634 | 31278 | 1.53% | 0.129% |
| 7 | 8.069 | 1011 | 1016 | 1034 | rBV | 503391 | 702434 | 34.35% | 2.908% |
| 8 | 9.145 | 1194 | 1199 | 1210 | rBV | 1240388 | 1549724 | 75.78% | 6.416% |
| 9 | 9.486 | 1252 | 1257 | 1260 | rBV | 16133 | 24007 | 1.17% | 0.099% |
| 10 | 9.828 | 1307 | 1315 | 1318 | rBV | 540634 | 687968 | 33.64% | 2.848% |
| 11 | 9.857 | 1318 | 1320 | 1325 | rVB | 75174 | 84972 | 4.15% | 0.352% |
| 12 | 10.033 | 1345 | 1350 | 1353 | rVV | 28972 | 39333 | 1.92% | 0.163% |
| 13 | 10.233 | 1379 | 1384 | 1386 | rBV2 | 15491 | 24534 | 1.20% | 0.102% |
| 14 | 10.375 | 1403 | 1408 | 1413 | rVB2 | 51296 | 67829 | 3.32% | 0.281% |
| 15 | 10.439 | 1413 | 1419 | 1421 | rBV | 18111 | 33803 | 1.65% | 0.140% |
| 16 | 10.539 | 1431 | 1436 | 1442 | rVB2 | 120986 | 162742 | 7.96% | 0.674% |
| 17 | 10.616 | 1444 | 1449 | 1455 | rBV | 674398 | 871635 | 42.62% | 3.609% |
| 18 | 10.739 | 1465 | 1470 | 1477 | rVB4 | 27180 | 44210 | 2.16% | 0.183% |
| 19 | 10.922 | 1495 | 1501 | 1504 | rBV5 | 25035 | 46881 | 2.29% | 0.194% |
| 20 | 11.051 | 1518 | 1523 | 1525 | rBV2 | 26141 | 40261 | 1.97% | 0.167% |
| 21 | 11.122 | 1531 | 1535 | 1538 | rVB | 30171 | 37025 | 1.81% | 0.153% |
| 22 | 11.174 | 1538 | 1544 | 1547 | rVV4 | 31272 | 61553 | 3.01% | 0.255% |
| 23 | 11.210 | 1547 | 1550 | 1557 | rVB | 38755 | 55376 | 2.71% | 0.229% |
| 24 | 11.316 | 1563 | 1568 | 1569 | rBV | 467416 | 543227 | 26.56% | 2.249% |
| 25 | 11.339 | 1569 | 1572 | 1576 | rVV | 714951 | 915923 | 44.79% | 3.792% |
| 26 | 11.392 | 1576 | 1581 | 1584 | rVV | 168446 | 232527 | 11.37% | 0.963% |
| 27 | 11.422 | 1584 | 1586 | 1592 | rVB2 | 19946 | 28517 | 1.39% | 0.118% |
| 28 | 11.551 | 1602 | 1608 | 1615 | rBV4 | 36716 | 101402 | 4.96% | 0.420% |
| 29 | 11.610 | 1615 | 1618 | 1621 | rVV | 45592 | 60714 | 2.97% | 0.251% |
| 30 | 11.645 | 1621 | 1624 | 1630 | rVB3 | 23563 | 36022 | 1.76% | 0.149% |
| 31 | 11.816 | 1649 | 1653 | 1655 | rVV | 110399 | 144572 | 7.07% | 0.599% |
| 32 | 11.845 | 1655 | 1658 | 1663 | rVV | 252225 | 334552 | 16.36% | 1.385% |
| 33 | 11.892 | 1663 | 1666 | 1669 | rVV | 73039 | 102890 | 5.03% | 0.426% |
| 34 | 11.927 | 1669 | 1672 | 1681 | rVB | 210644 | 396157 | 19.37% | 1.640% |
| 35 | 12.016 | 1681 | 1687 | 1691 | rBV6 | 23192 | 53274 | 2.60% | 0.221% |
| 36 | 12.110 | 1697 | 1703 | 1706 | rBV2 | 96475 | 167747 | 8.20% | 0.694% |

Sample Results: **BF141516.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 12.139 | 1706 | 1708 | 1712 | rVB | 52886 | 59491 | 2.91% | 0.246% |
| 38 | 12.263 | 1725 | 1729 | 1732 | rBV | 40008 | 55064 | 2.69% | 0.228% |
| 39 | 12.369 | 1742 | 1747 | 1750 | rBV | 89870 | 140707 | 6.88% | 0.583% |
| 40 | 12.404 | 1750 | 1753 | 1758 | rVV | 66419 | 112951 | 5.52% | 0.468% |
| 41 | 12.457 | 1758 | 1762 | 1767 | rVB | 88597 | 122640 | 6.00% | 0.508% |
| 42 | 12.533 | 1769 | 1775 | 1779 | rBV | 1378741 | 1781292 | 87.10% | 7.374% |
| 43 | 12.763 | 1807 | 1814 | 1819 | rBV | 1359777 | 2045072 | 100.00% | 8.467% |
| 44 | 12.810 | 1819 | 1822 | 1828 | rVB2 | 60967 | 91456 | 4.47% | 0.379% |
| 45 | 12.904 | 1830 | 1838 | 1845 | rVB | 906222 | 1314091 | 64.26% | 5.440% |
| 46 | 12.980 | 1845 | 1851 | 1858 | rBV4 | 112409 | 240973 | 11.78% | 0.998% |
| 47 | 13.086 | 1862 | 1869 | 1873 | rVB | 148101 | 281385 | 13.76% | 1.165% |
| 48 | 13.151 | 1877 | 1880 | 1883 | rBV | 67276 | 87652 | 4.29% | 0.363% |
| 49 | 13.192 | 1883 | 1887 | 1894 | rVV3 | 135890 | 219674 | 10.74% | 0.909% |
| 50 | 13.286 | 1900 | 1903 | 1905 | rBV | 58611 | 70555 | 3.45% | 0.292% |
| 51 | 13.316 | 1905 | 1908 | 1916 | rVB2 | 86286 | 121885 | 5.96% | 0.505% |
| 52 | 13.598 | 1953 | 1956 | 1961 | rVB | 87171 | 112051 | 5.48% | 0.464% |
| 53 | 13.710 | 1971 | 1975 | 1977 | rBV2 | 89654 | 130694 | 6.39% | 0.541% |
| 54 | 13.739 | 1977 | 1980 | 1982 | rVV | 55426 | 69877 | 3.42% | 0.289% |
| 55 | 13.810 | 1989 | 1992 | 1999 | rVB | 84593 | 115577 | 5.65% | 0.478% |
| 56 | 13.957 | 2011 | 2017 | 2020 | rBV2 | 835589 | 1445485 | 70.68% | 5.984% |
| 57 | 13.986 | 2020 | 2022 | 2029 | rVB | 556904 | 697072 | 34.09% | 2.886% |
| 58 | 14.068 | 2033 | 2036 | 2040 | rVB | 74640 | 87049 | 4.26% | 0.360% |
| 59 | 15.010 | 2191 | 2196 | 2204 | rVB | 478895 | 1019754 | 49.86% | 4.222% |
| 60 | 15.304 | 2242 | 2246 | 2251 | rVB | 253144 | 396035 | 19.37% | 1.640% |
| 61 | 15.362 | 2252 | 2256 | 2262 | rVB | 355380 | 533271 | 26.08% | 2.208% |
| 62 | 15.427 | 2263 | 2267 | 2270 | rBV | 190486 | 302337 | 14.78% | 1.252% |
| 63 | 16.868 | 2508 | 2512 | 2521 | rVB2 | 154403 | 320034 | 15.65% | 1.325% |

Sum of corrected areas: 24154835

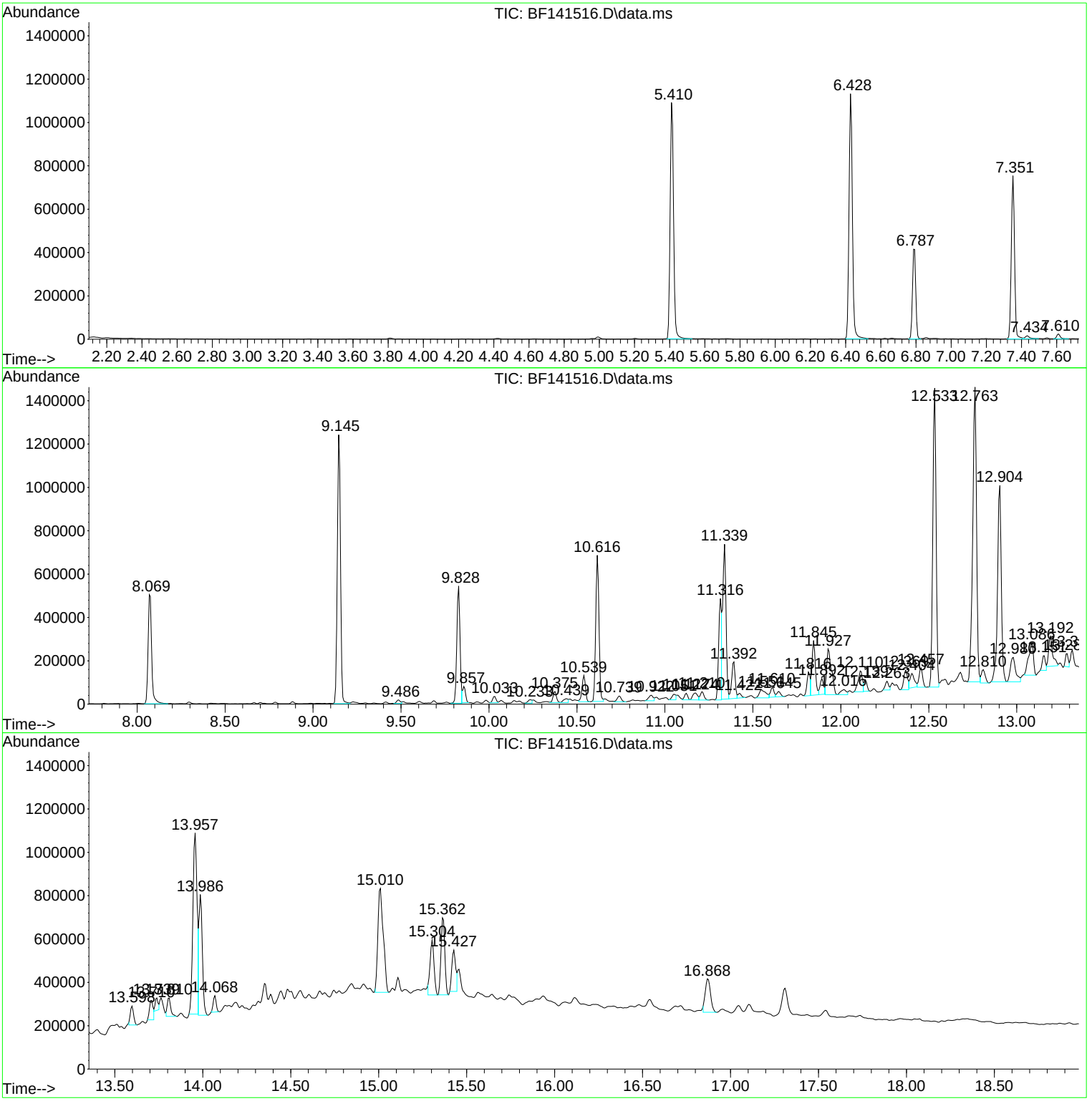
Sample Results: **BF141516.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Sample Results: **BF141516.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

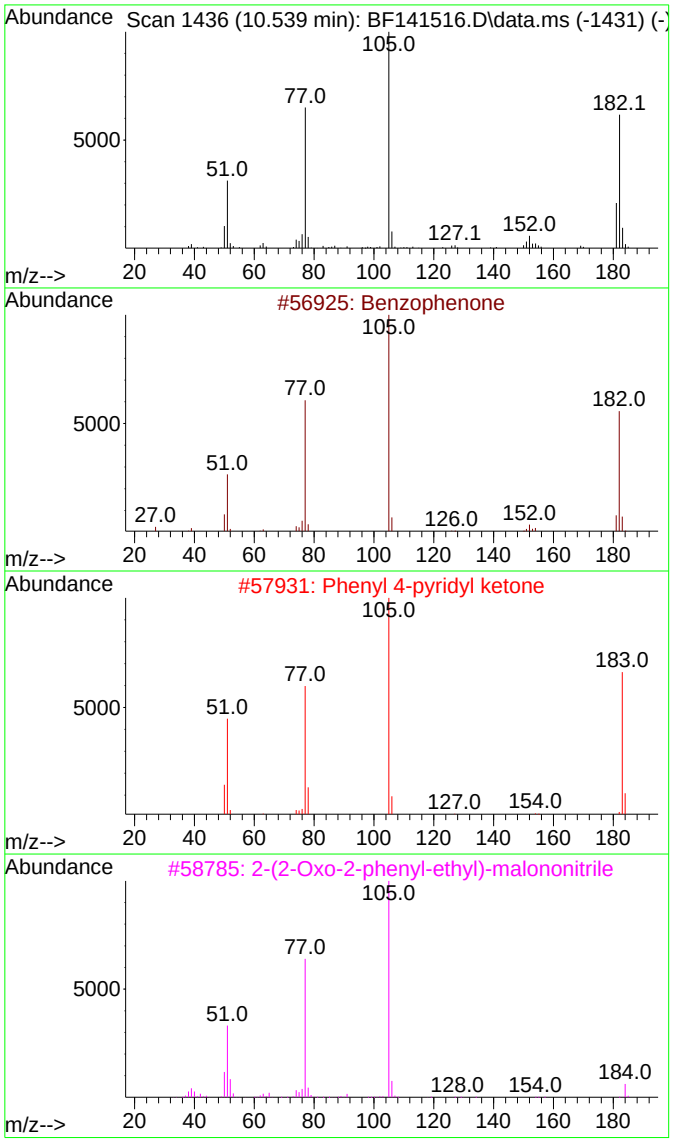
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

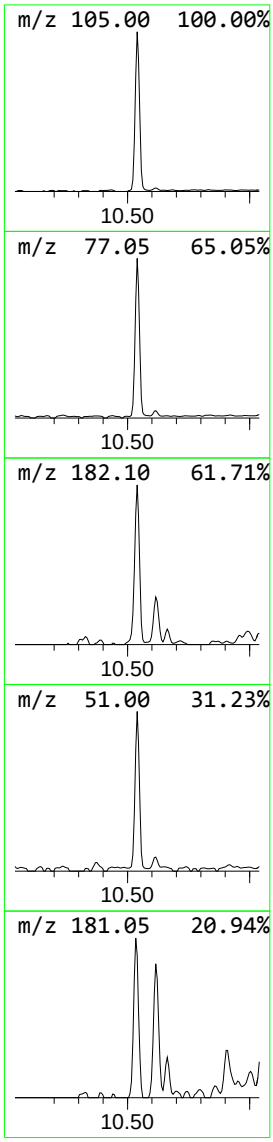
**********

Peak Number 1 Benzophenone Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.539 | 4.73 ng | 162742 | Acenaphthene-d10 | 9.828 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 95 |
| 2 | Phenyl 4-pyridyl ketone | 183 | C12H9NO | 014548-46-0 | 53 |
| 3 | 2-(2-Oxo-2-phenyl-ethyl)-malonon... | 184 | C11H8N2O | 1000296-76-9 | 49 |
| 4 | Benzoylformic acid | 150 | C8H6O3 | 000611-73-4 | 45 |
| 5 | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS | 005925-68-8 | 43 |



Sample Results: **BF141516.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

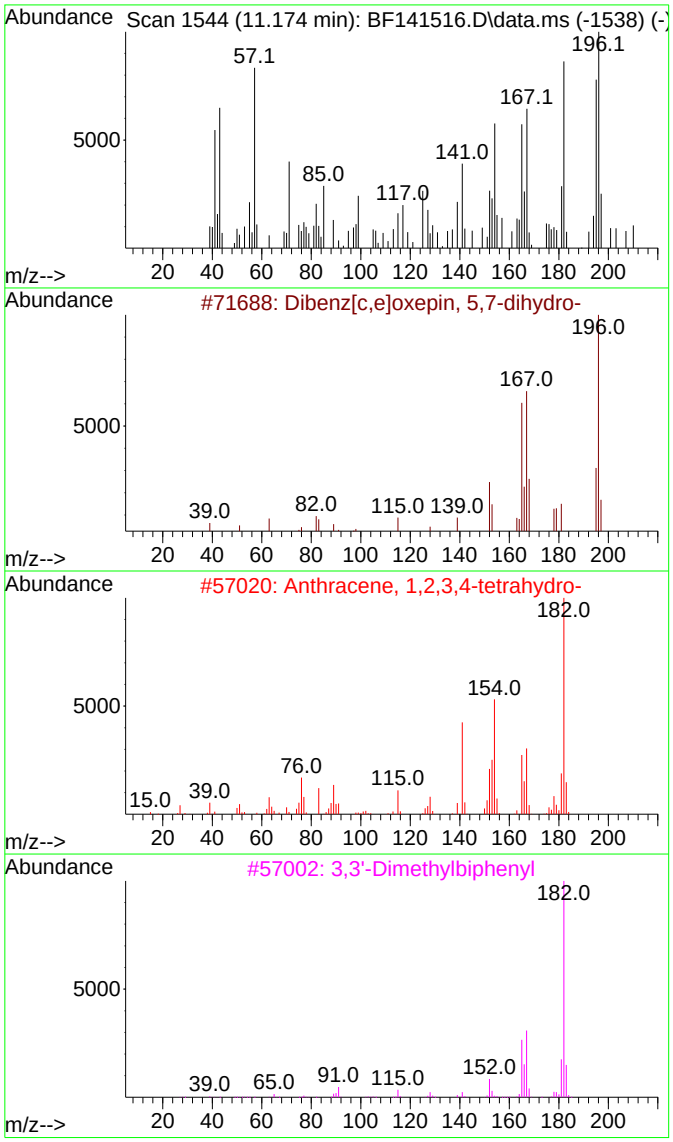
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

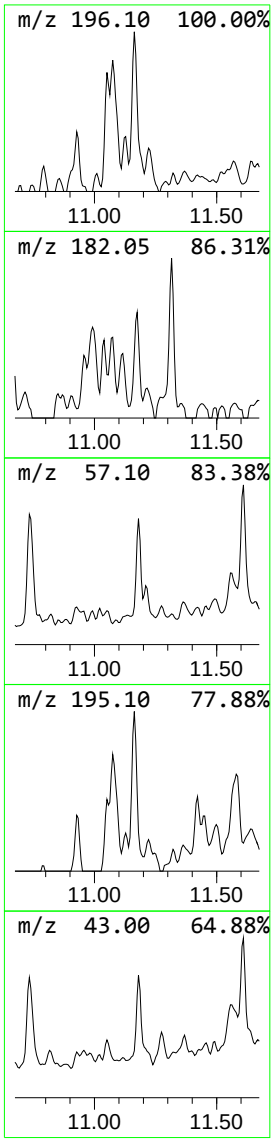
**********

Peak Number 2 unknown11.175 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.175 | 2.27 ng | 61553 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenz[c,e]oxepin, 5,7-dihydro- | 196 | C14H12O | 001136-22-7 | 38 |
| 2 | Anthracene, 1,2,3,4-tetrahydro- | 182 | C14H14 | 002141-42-6 | 38 |
| 3 | 3,3'-Dimethylbiphenyl | 182 | C14H14 | 000612-75-9 | 30 |
| 4 | .beta.-Carboline, 1,2-dimethyl- | 196 | C13H12N2 | 109847-05-4 | 25 |
| 5 | Dehydrochamazulene | 182 | C14H14 | 321732-25-6 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

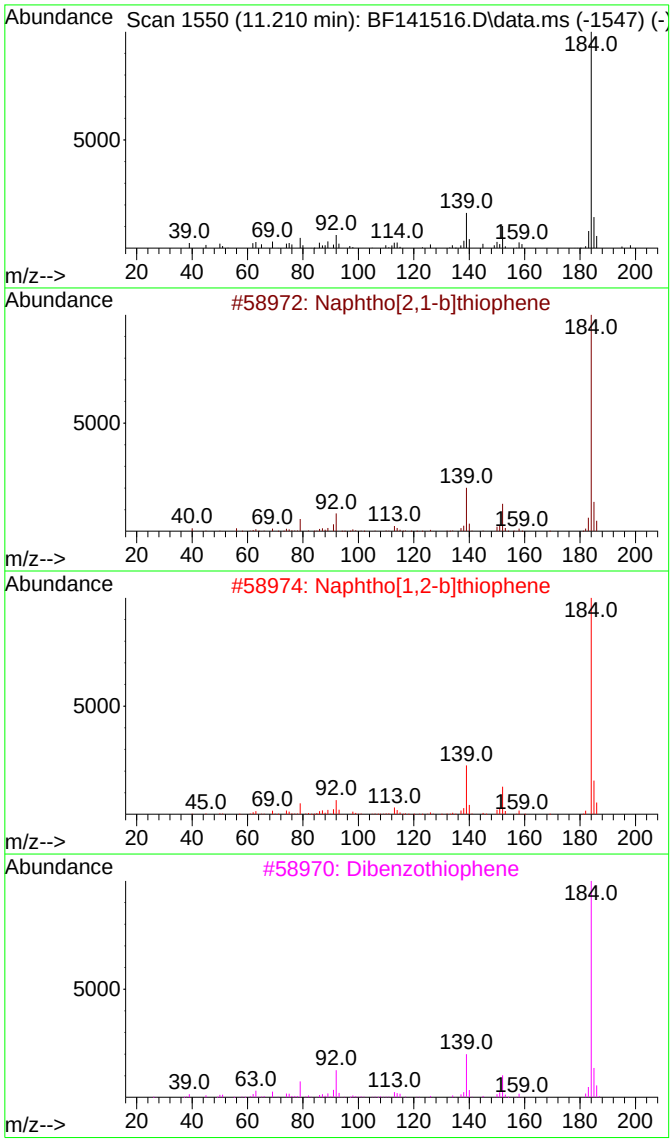
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

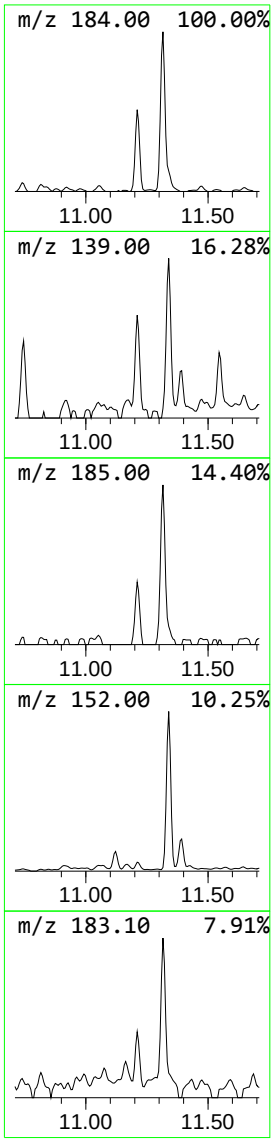
**********

Peak Number 3 Naphtho[2,1-b]thiophene Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.210 | 2.04 ng | 55376 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 94 |
| 2 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 94 |
| 3 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 94 |
| 4 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 91 |
| 5 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 91 |



Sample Results: **BF141516.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

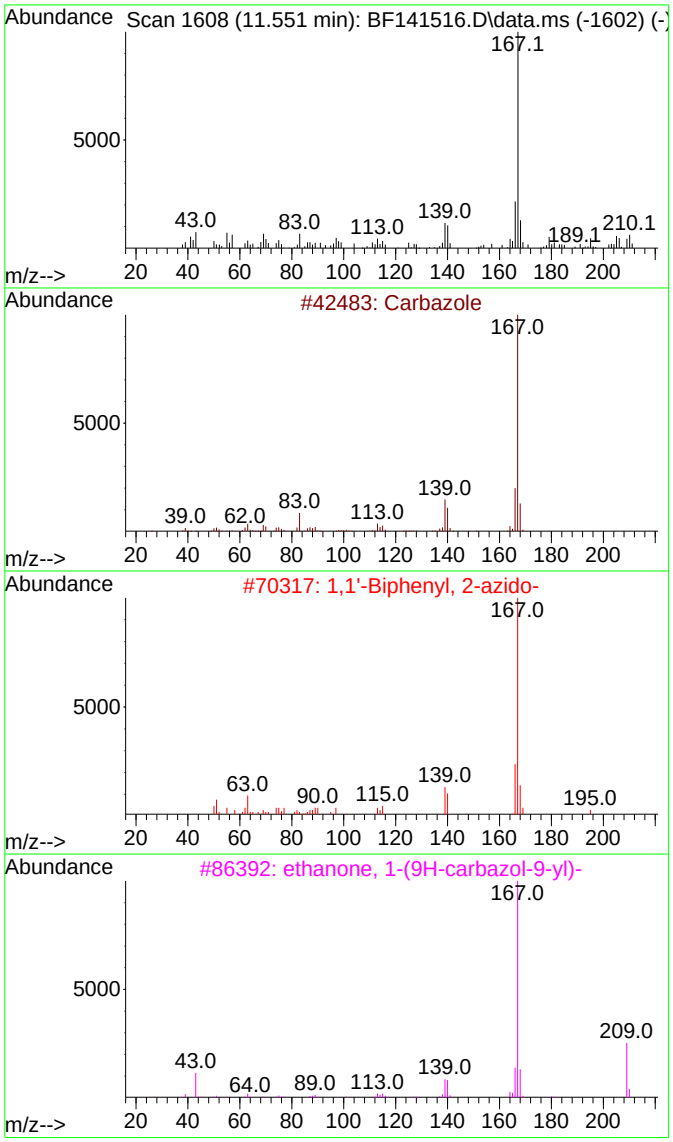
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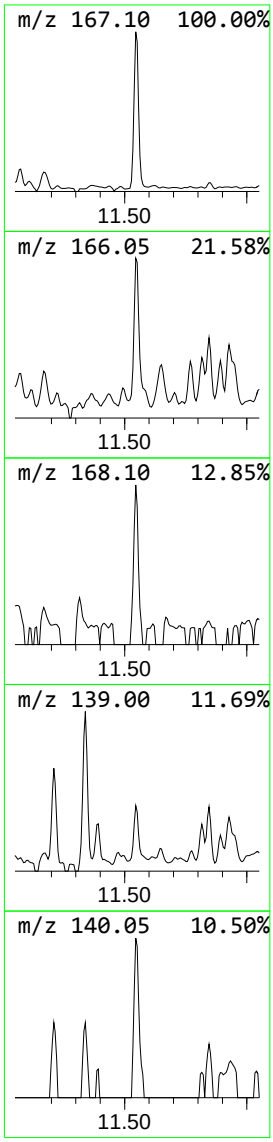
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Peak Number 4 1,1'-Biphenyl, 2-azido- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.551 | 3.73 ng | 101402 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Carbazole | 167 | C12H9N | 000086-74-8 | 93 |
| 2 | 1,1'-Biphenyl, 2-azido- | 195 | C12H9N3 | 007599-23-7 | 91 |
| 3 | ethanone, 1-(9H-carbazol-9-yl)- | 209 | C14H11NO | 1000400-59-5 | 81 |
| 4 | 5H-Indeno[1,2-b]pyridine | 167 | C12H9N | 000244-99-5 | 81 |
| 5 | 9H-Carbazole-9-methanol | 197 | C13H11NO | 002409-36-1 | 74 |



Sample Results: **BF141516.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

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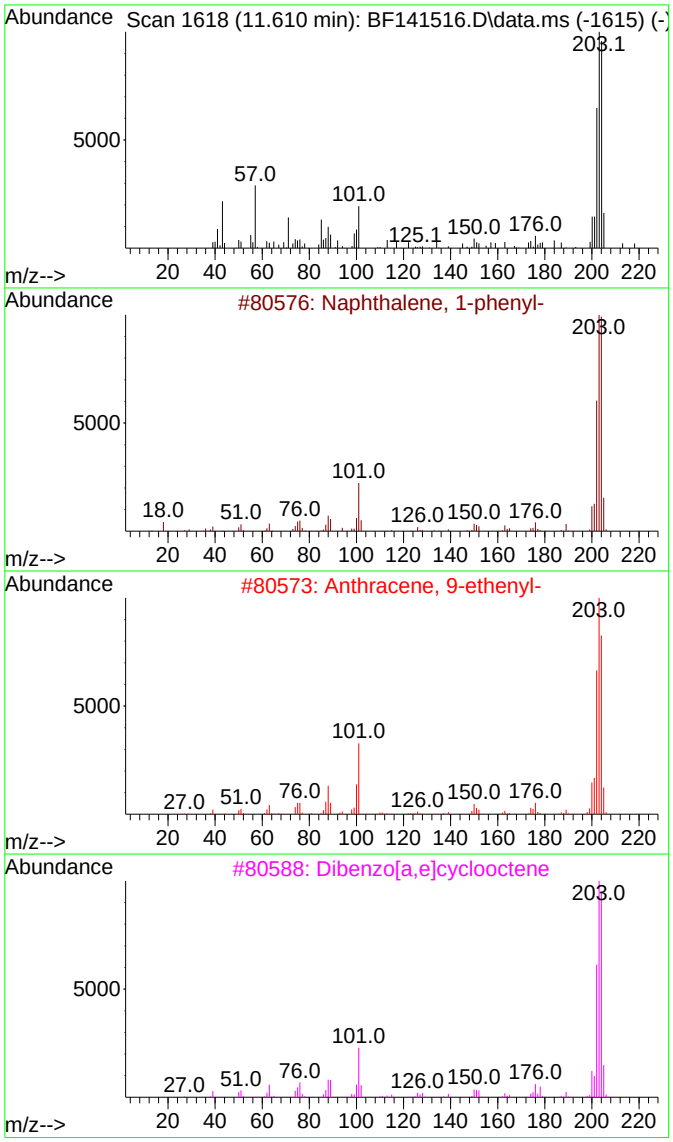
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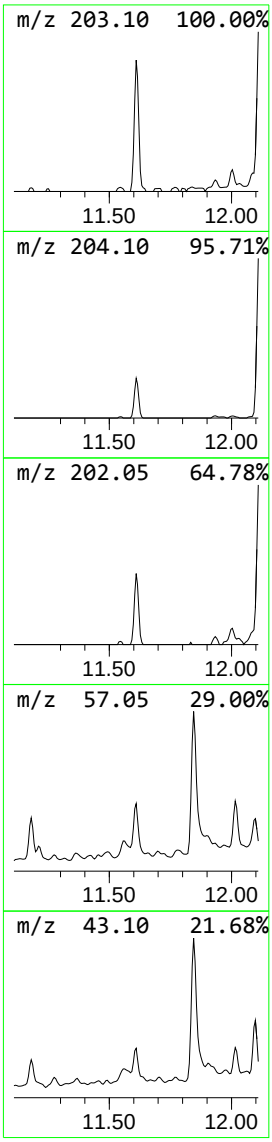
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Peak Number 5 Naphthalene, 1-phenyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.610 | 2.24 ng | 60714 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 94 |
| 2 | Anthracene, 9-ethenyl- | 204 | C16H12 | 002444-68-0 | 93 |
| 3 | Dibenzo[a,e]cyclooctene | 204 | C16H12 | 000262-89-5 | 89 |
| 4 | 1,4-Ethenoanthracene, 1,4-dihydro- | 204 | C16H12 | 027765-96-4 | 76 |
| 5 | Cyclobuta[1'',2'':3,4:3'',4'':3'... | 204 | C16H12 | 006574-36-3 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

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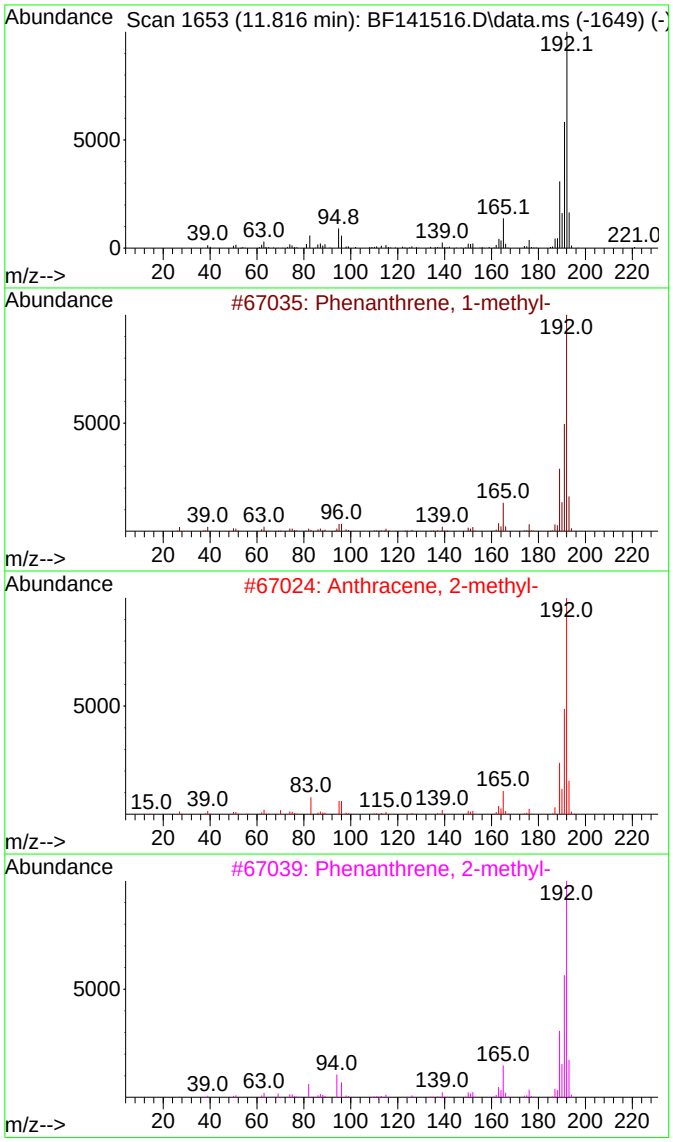
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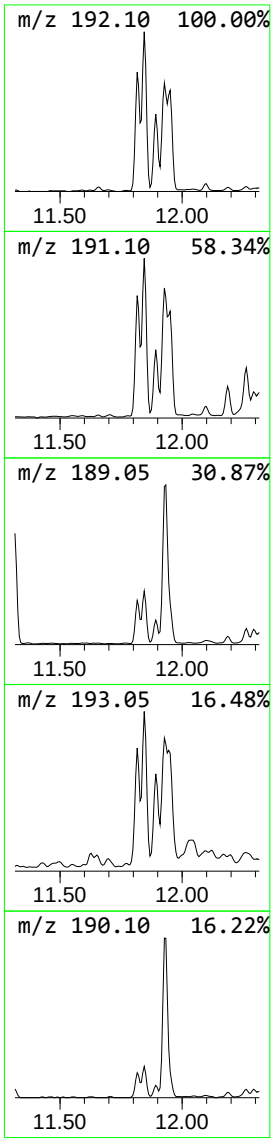
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Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.816 | 5.32 ng | 144572 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 97 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 97 |
| 4 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 95 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

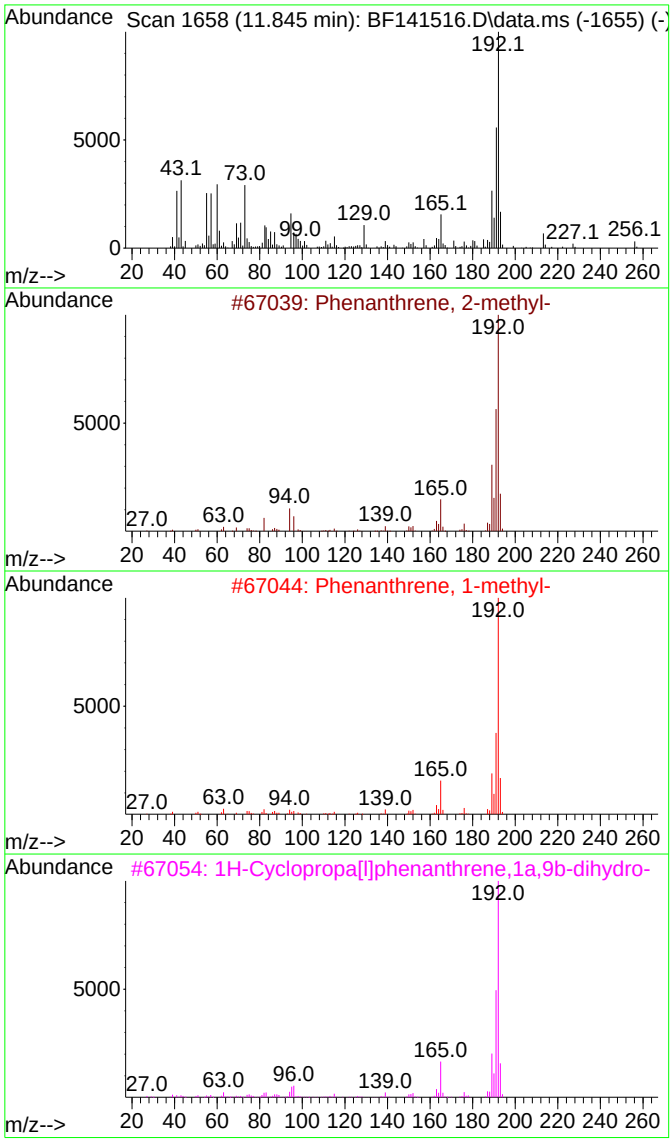
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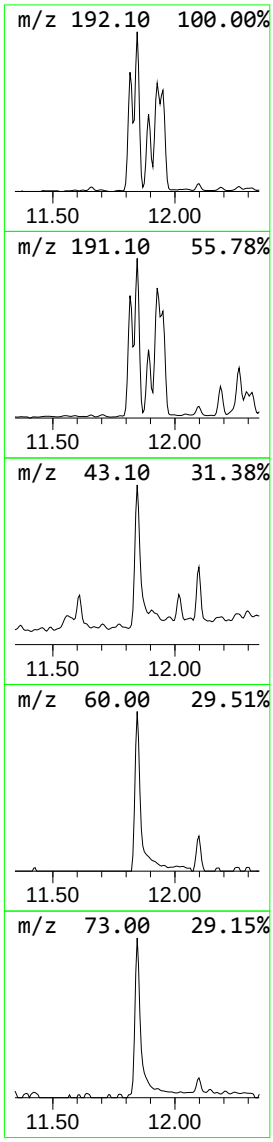
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Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.845 | 12.32 ng | 334552 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 98 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

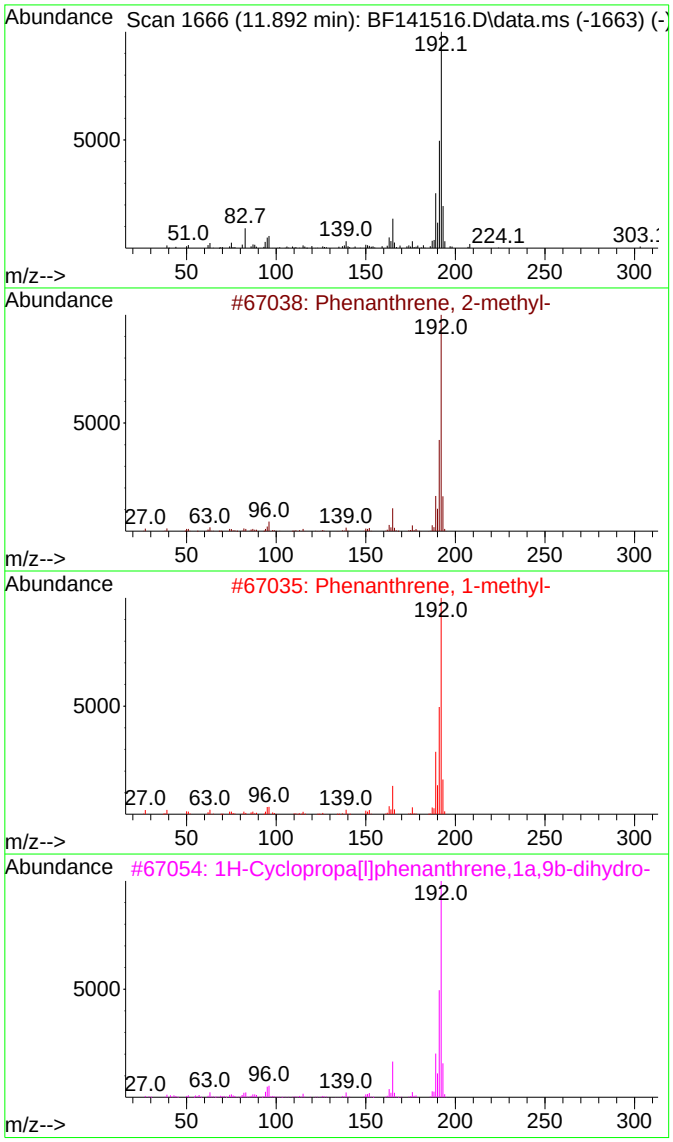
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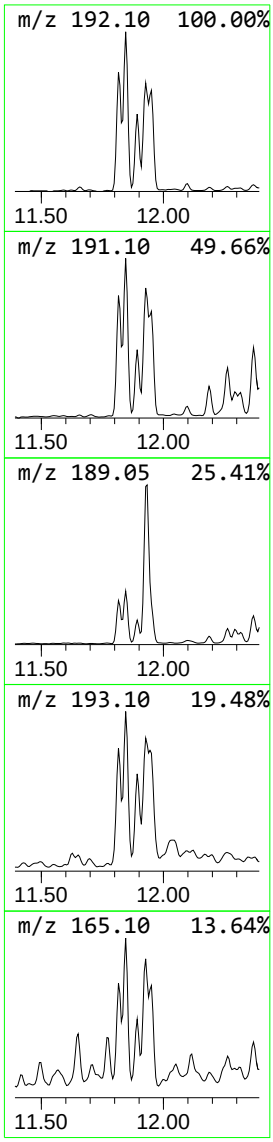
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TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.892 | 3.79 ng | 102890 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 95 |
| 4 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 94 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

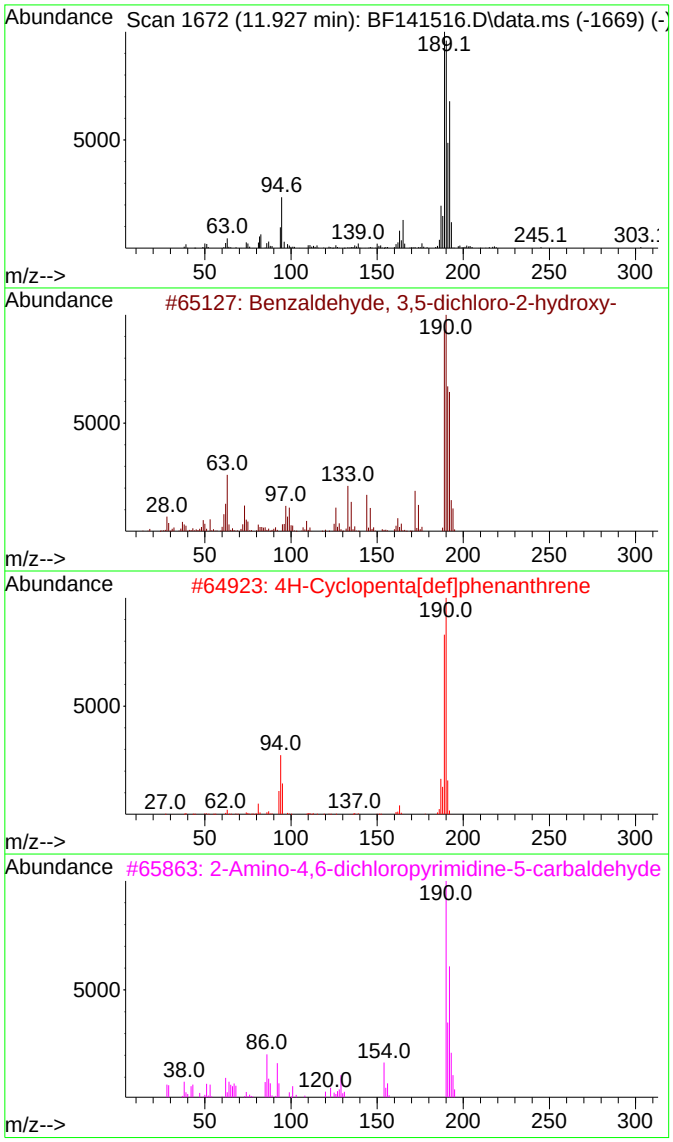
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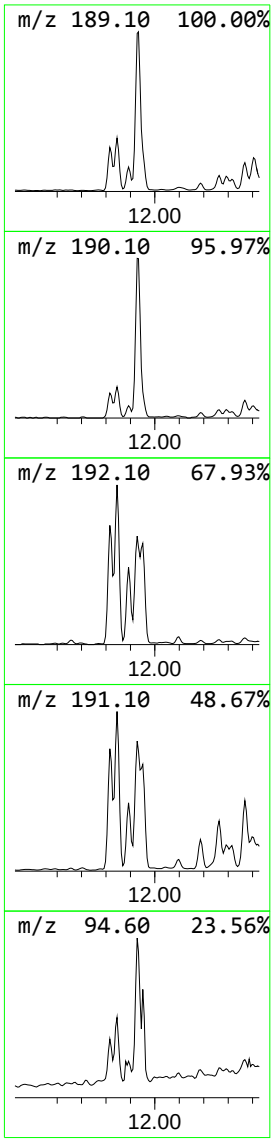
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.927 | 14.59 ng | 396157 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzaldehyde, 3,5-dichloro-2-hyd... | 190 | C7H4Cl2O2 | 000090-60-8 | 72 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 70 |
| 3 | 2-Amino-4,6-dichloropyrimidine-5... | 191 | C5H3Cl2N3O | 005604-46-6 | 38 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 35 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 30 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

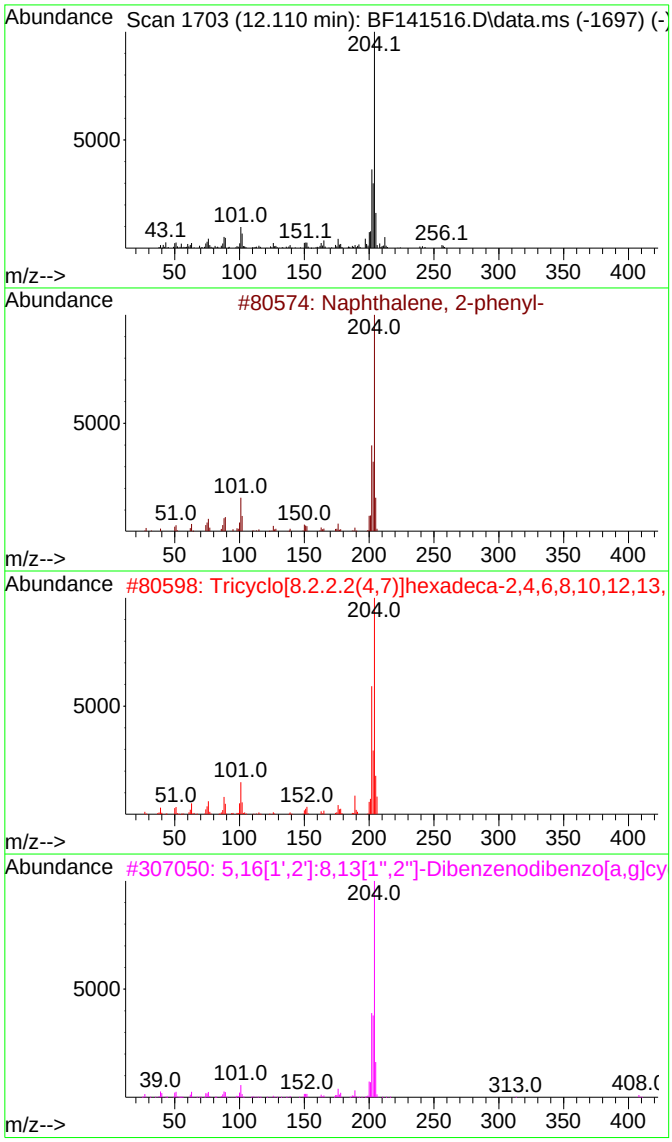
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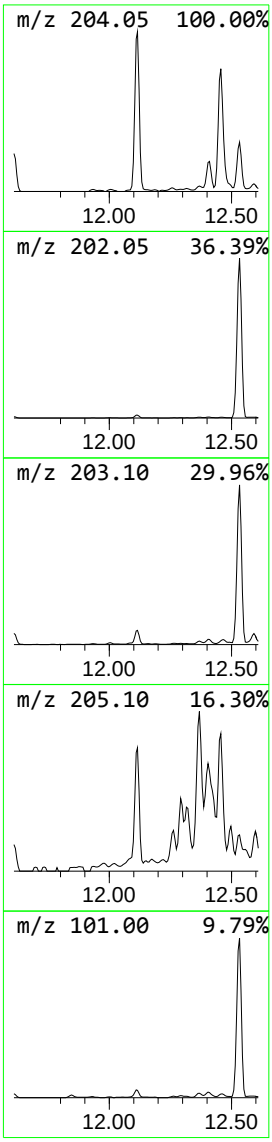
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Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.110 | 6.18 ng | 167747 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 93 |
| 2 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 81 |
| 3 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 74 |
| 4 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 64 |
| 5 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 62 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

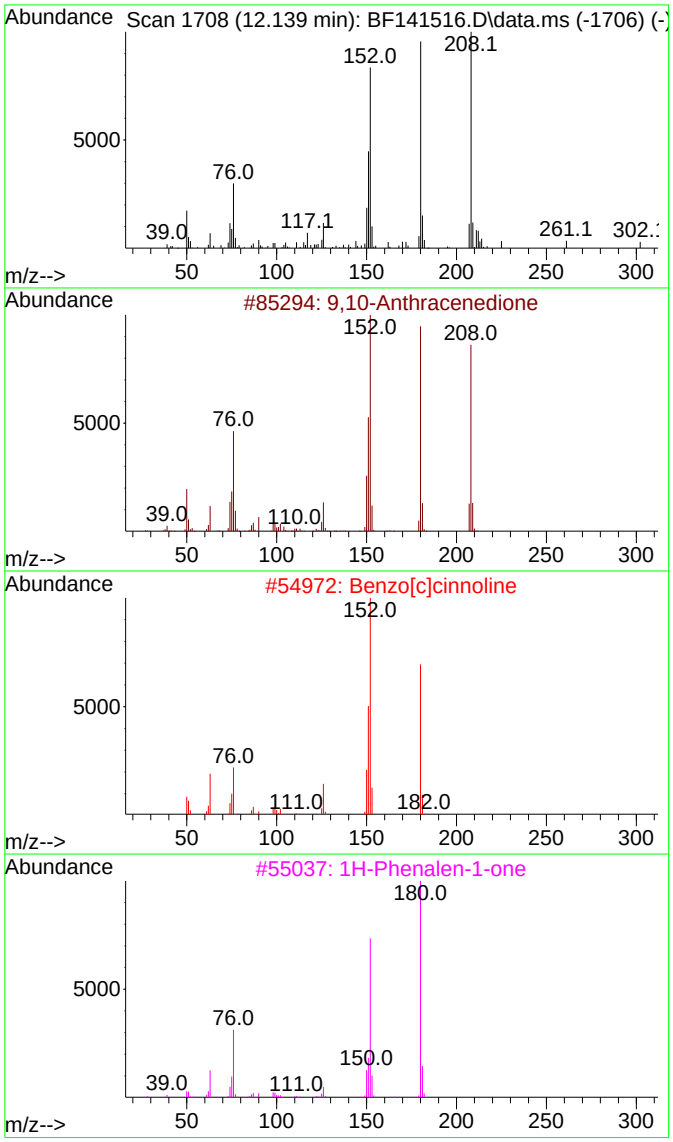
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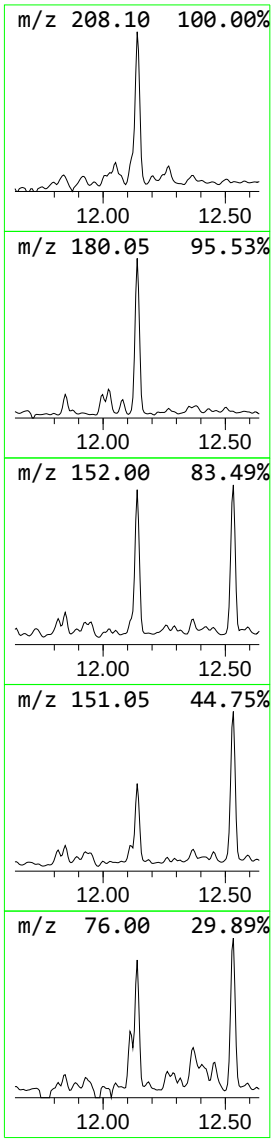
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Peak Number 11 9,10-Anthracenedione Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.139 | 2.19 ng | 59491 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 95 |
| 2 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 78 |
| 3 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 55 |
| 4 | 9,10-Phenanthrenedione | 208 | C14H8O2 | 000084-11-7 | 53 |
| 5 | 1,4-Anthracenedione | 208 | C14H8O2 | 000635-12-1 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

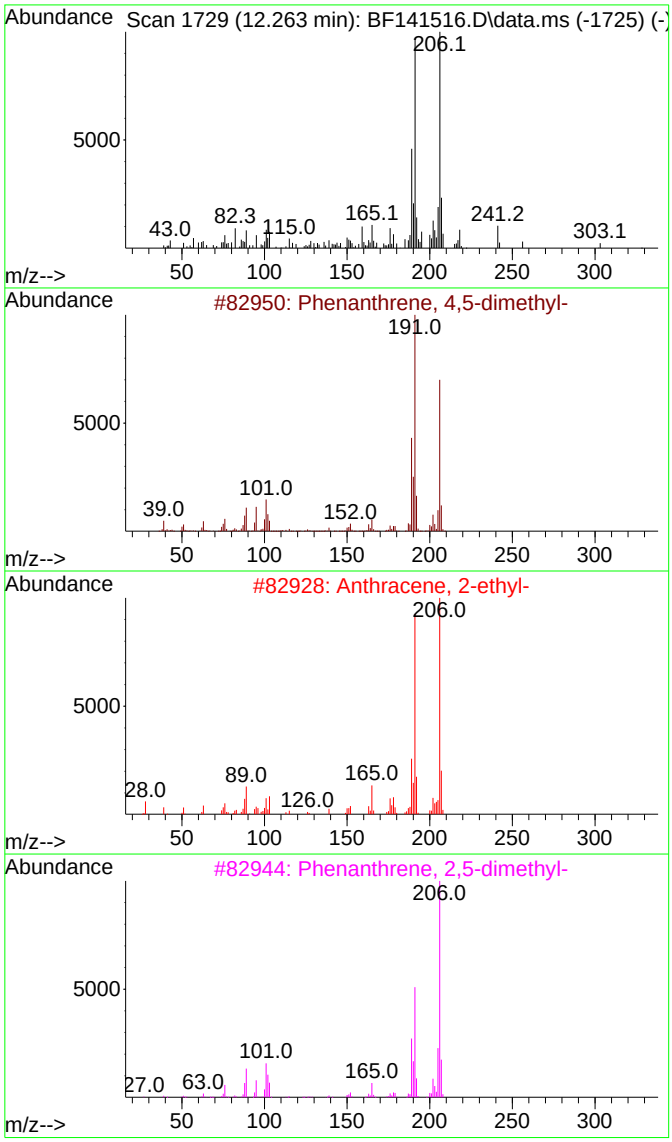
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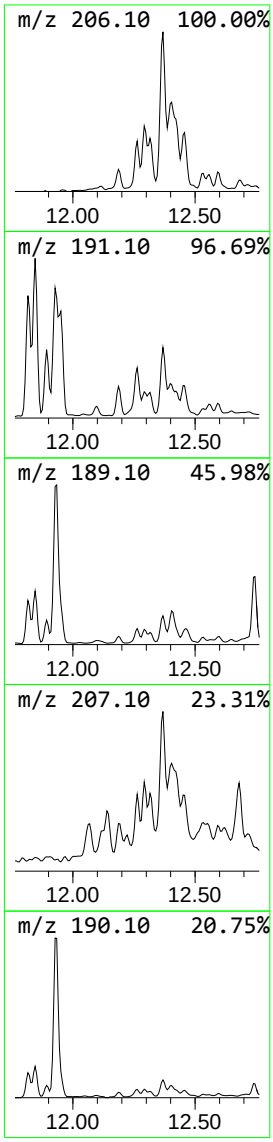
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Peak Number 12 Phenanthrene, 4,5-dimethyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.263 | 2.03 ng | 55064 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 4,5-dimethyl- | 206 | C16H14 | 003674-69-9 | 93 |
| 2 | Anthracene, 2-ethyl- | 206 | C16H14 | 052251-71-5 | 90 |
| 3 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 89 |
| 4 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 87 |
| 5 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 76 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

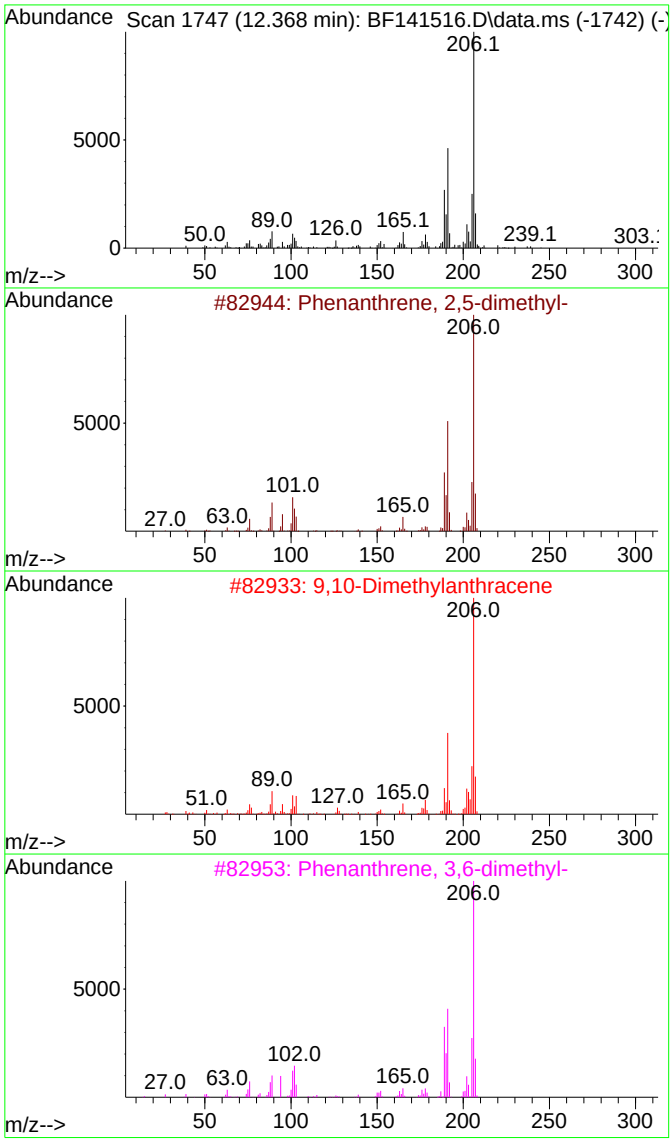
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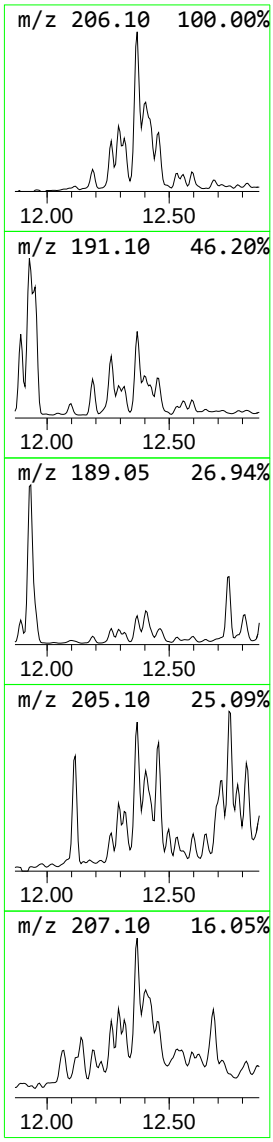
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TIC Integration Parameters: LSCINT.P

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Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.368 | 5.18 ng | 140707 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 97 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 87 |
| 3 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 87 |
| 4 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 86 |
| 5 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

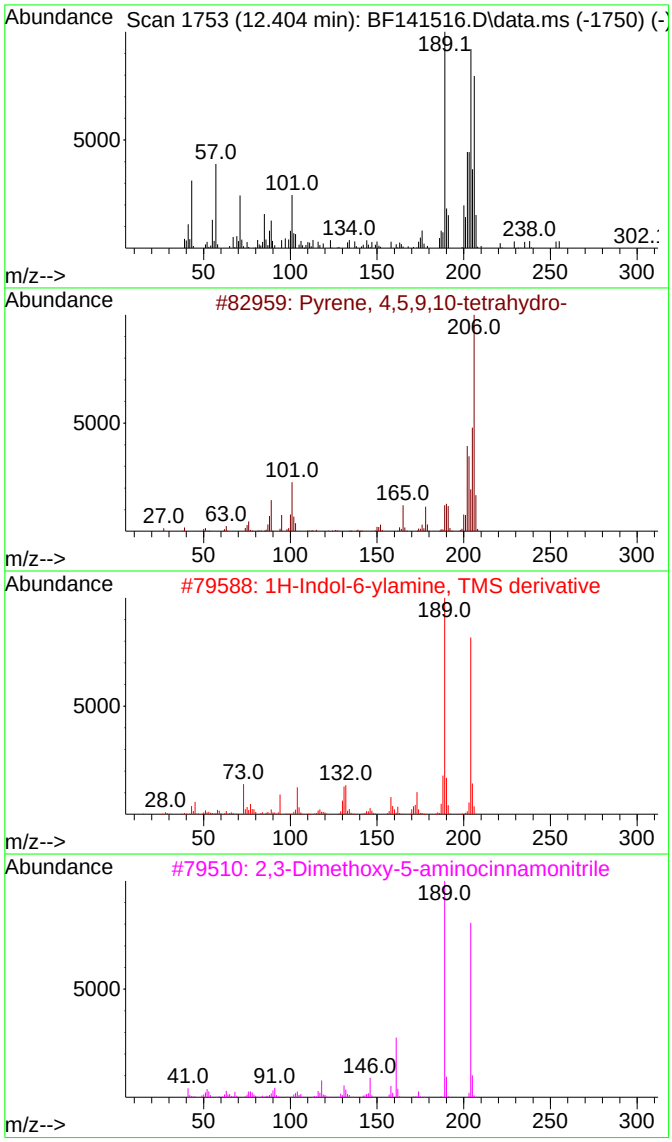
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

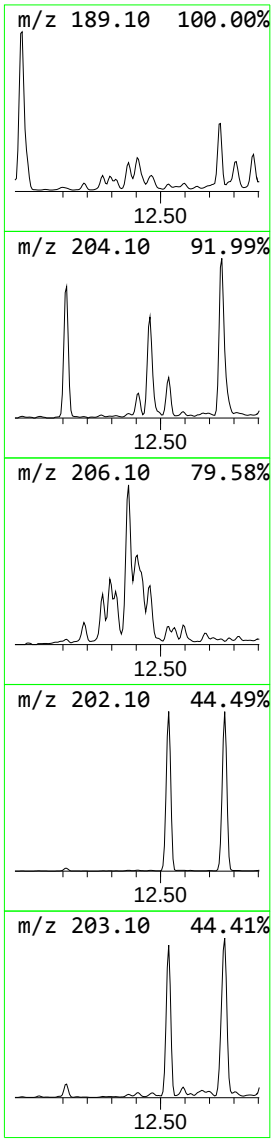
**********

Peak Number 14 unknown12.404 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.404 | 4.16 ng | 112951 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 4,5,9,10-tetrahydro- | 206 | C16H14 | 000781-17-9 | 38 |
| 2 | 1H-Indol-6-ylamine, TMS derivative | 204 | C11H16N2Si | 1000484-86-1 | 35 |
| 3 | 2,3-Dimethoxy-5-aminocinnamonitrile | 204 | C11H12N2O2 | 1000214-46-5 | 30 |
| 4 | Indeno[2,1-a]indene, 5,10-dihydro- | 204 | C16H12 | 006543-29-9 | 30 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

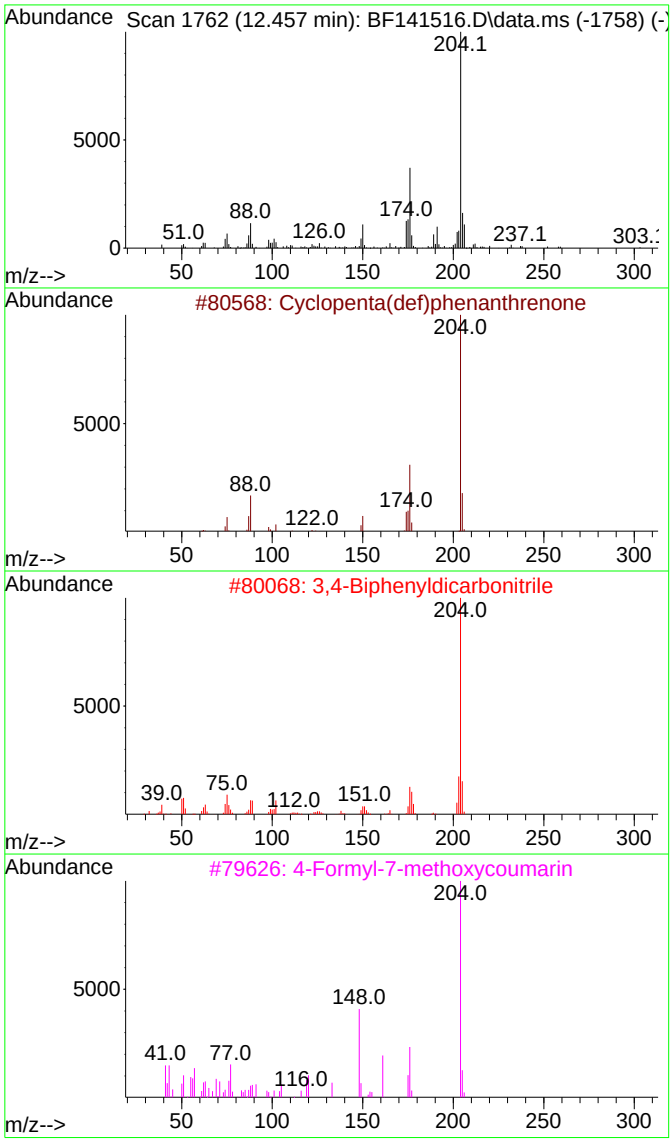
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

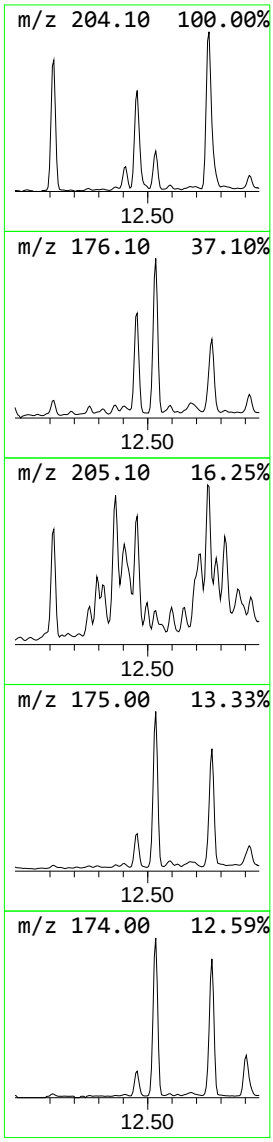
**********

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.457 | 4.52 ng | 122640 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 90 |
| 2 | 3,4-Biphenyldicarbonitrile | 204 | C14H8N2 | 004128-63-6 | 64 |
| 3 | 4-Formyl-7-methoxycoumarin | 204 | C11H8O4 | 1000429-03-0 | 59 |
| 4 | 5,6,7,8-Tetrahydrothieno[2,3-b]q... | 204 | C11H12N2S | 122914-50-5 | 59 |
| 5 | 5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol | 204 | C11H12N2O2 | 1000278-26-8 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

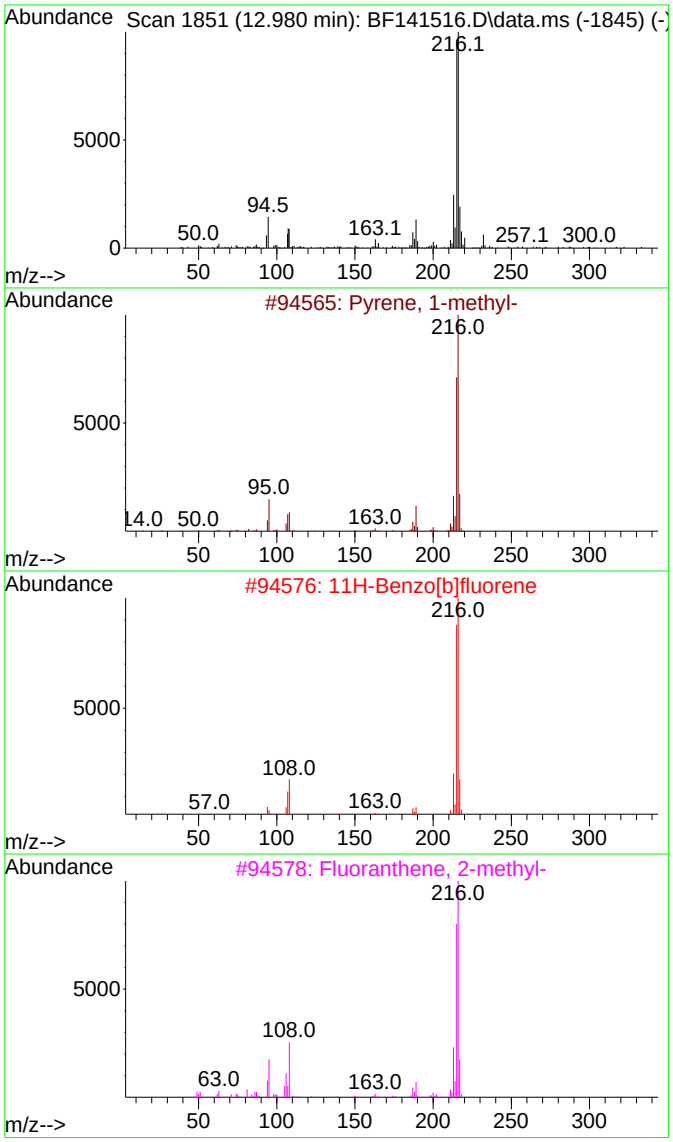
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

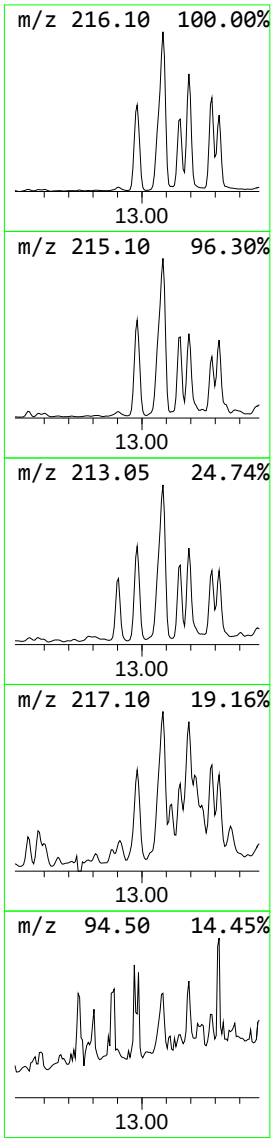
**********

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.980 | 3.33 ng | 240973 | Chrysene-d12 | 13.963 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 96 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 91 |
| 4 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 89 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 83 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

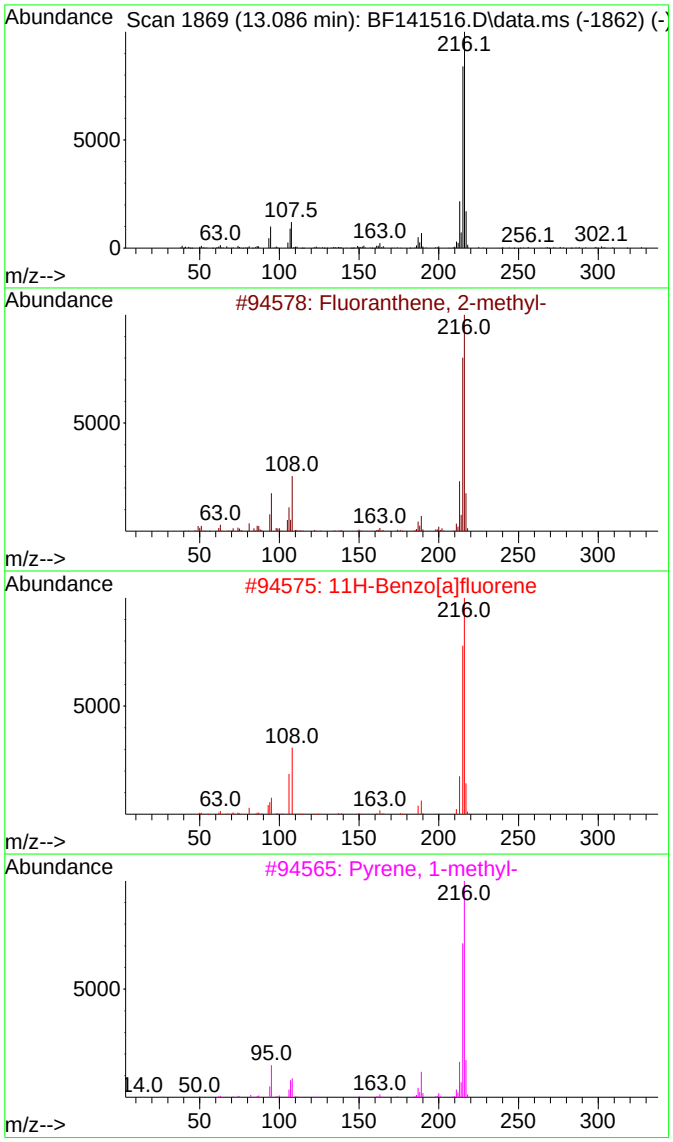
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

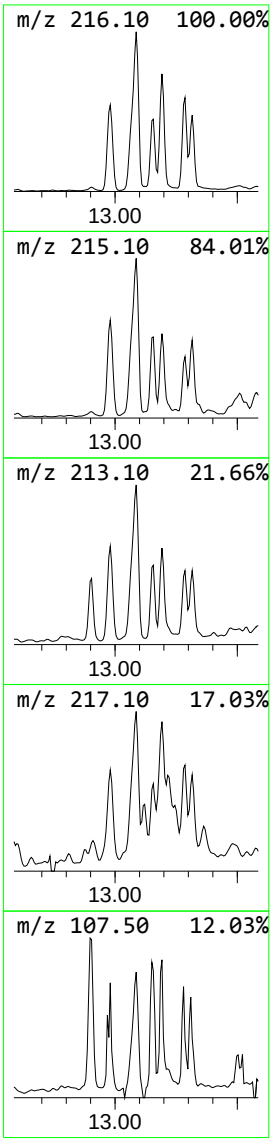
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.086 | 3.89 ng | 281385 | Chrysene-d12 | 13.963 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 93 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 93 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 83 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

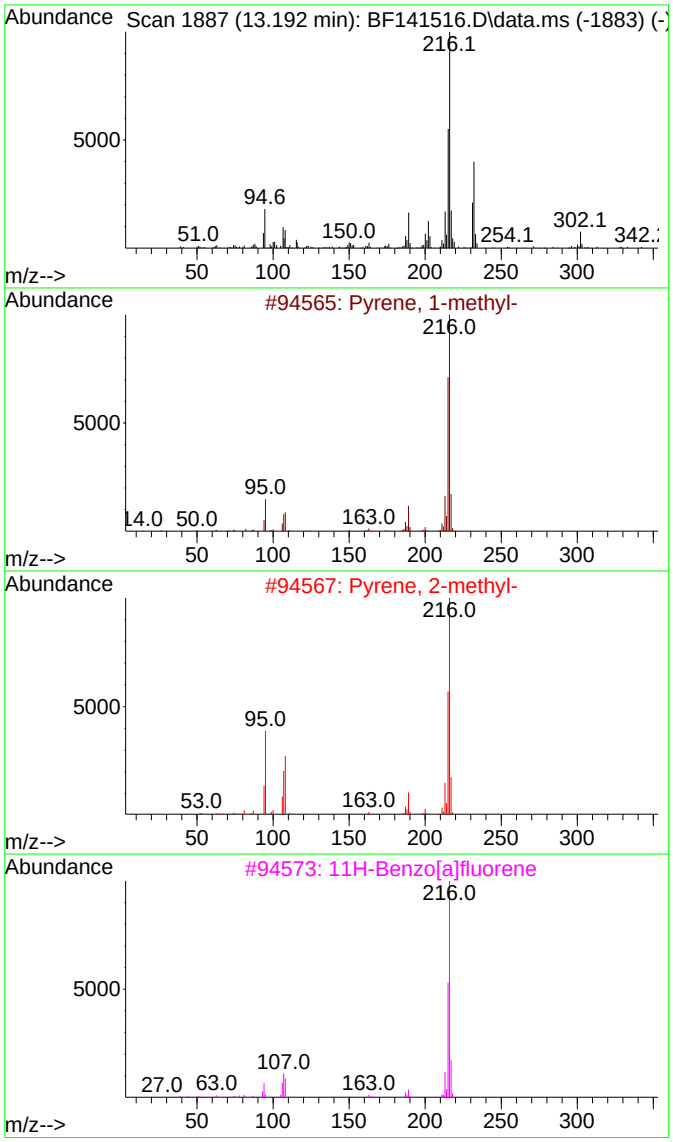
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

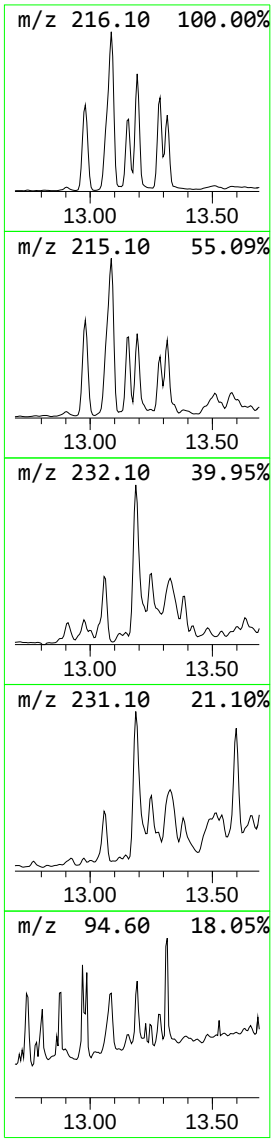
**********

Peak Number 18 Pyrene, 2-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.192 | 3.04 ng | 219674 | Chrysene-d12 | 13.963 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 91 |
| 2 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 83 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 64 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 60 |
| 5 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 55 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

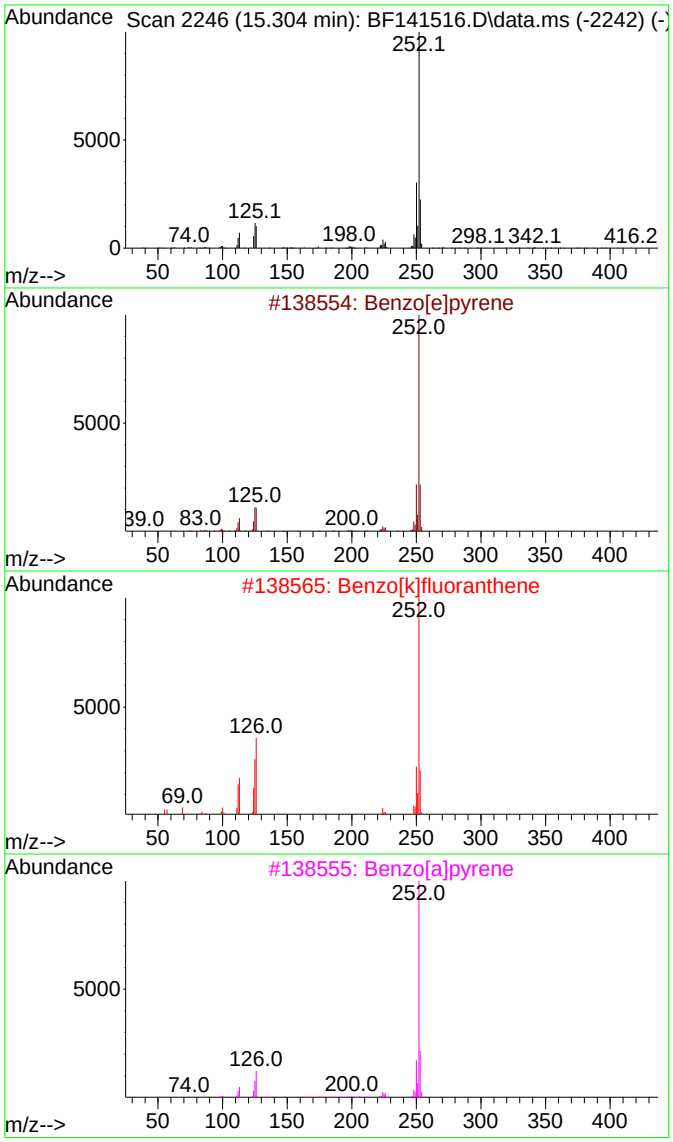
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

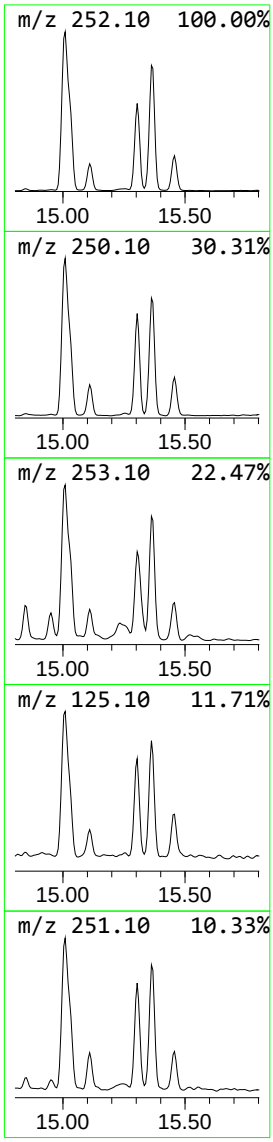
**********

Peak Number 19 Benzo[e]pyrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.304 | 26.20 ng | 396035 | Perylene-d12 | 15.427 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 99 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 95 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 95 |
| 4 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 95 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
Operator : RC/JU
Sample : Q1216-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Benzophenone | 10.539 | 4.7 | ng | 162742 | 3 | 9.828 | 687968 | 20.0 |
| unknown11.175 | 11.175 | 2.3 | ng | 61553 | 4 | 11.316 | 543227 | 20.0 |
| Naphtho[2,1-b]t... | 11.210 | 2.0 | ng | 55376 | 4 | 11.316 | 543227 | 20.0 |
| 1,1'-Biphenyl, ... | 11.551 | 3.7 | ng | 101402 | 4 | 11.316 | 543227 | 20.0 |
| Naphthalene, 1-... | 11.610 | 2.2 | ng | 60714 | 4 | 11.316 | 543227 | 20.0 |
| Phenanthrene, 1... | 11.816 | 5.3 | ng | 144572 | 4 | 11.316 | 543227 | 20.0 |
| Phenanthrene, 2... | 11.845 | 12.3 | ng | 334552 | 4 | 11.316 | 543227 | 20.0 |
| 1H-Cyclopropa[l... | 11.892 | 3.8 | ng | 102890 | 4 | 11.316 | 543227 | 20.0 |
| Benzaldehyde, 3... | 11.927 | 14.6 | ng | 396157 | 4 | 11.316 | 543227 | 20.0 |
| Naphthalene, 2-... | 12.110 | 6.2 | ng | 167747 | 4 | 11.316 | 543227 | 20.0 |
| 9,10-Anthracene... | 12.139 | 2.2 | ng | 59491 | 4 | 11.316 | 543227 | 20.0 |
| Phenanthrene, 4... | 12.263 | 2.0 | ng | 55064 | 4 | 11.316 | 543227 | 20.0 |
| Phenanthrene, 2... | 12.368 | 5.2 | ng | 140707 | 4 | 11.316 | 543227 | 20.0 |
| unknown12.404 | 12.404 | 4.2 | ng | 112951 | 4 | 11.316 | 543227 | 20.0 |
| Cyclopenta(def)... | 12.457 | 4.5 | ng | 122640 | 4 | 11.316 | 543227 | 20.0 |
| Pyrene, 1-methyl- | 12.980 | 3.3 | ng | 240973 | 5 | 13.963 | 1445490 | 20.0 |
| Fluoranthene, 2... | 13.086 | 3.9 | ng | 281385 | 5 | 13.963 | 1445490 | 20.0 |
| Pyrene, 2-methyl- | 13.192 | 3.0 | ng | 219674 | 5 | 13.963 | 1445490 | 20.0 |
| Benzo[e]pyrene | 15.304 | 26.2 | ng | 396035 | 6 | 15.427 | 302337 | 20.0 |

Raw Data: **BF141392.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-21.2-012825 | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-11 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 84.3 |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141392.D | 2 | 01/30/25 09:15 | 02/04/25 01:42 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 780 | U | 430 | 780 | ug/Kg |
| 108-95-2 | Phenol | 400 | U | 200 | 400 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 400 | U | 200 | 400 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 400 | U | 200 | 400 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 400 | U | 190 | 400 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 400 | U | 220 | 400 | ug/Kg |
| 98-86-2 | Acetophenone | 400 | U | 210 | 400 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 780 | U | 190 | 780 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 190 | U | 95.5 | 190 | ug/Kg |
| 67-72-1 | Hexachloroethane | 400 | U | 200 | 400 | ug/Kg |
| 98-95-3 | Nitrobenzene | 400 | U | 220 | 400 | ug/Kg |
| 78-59-1 | Isophorone | 400 | U | 200 | 400 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 400 | U | 220 | 400 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 400 | U | 220 | 400 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 400 | U | 200 | 400 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 400 | U | 180 | 400 | ug/Kg |
| 91-20-3 | Naphthalene | 400 | U | 200 | 400 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 400 | U | 200 | 400 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 400 | U | 200 | 400 | ug/Kg |
| 105-60-2 | Caprolactam | 780 | U | 210 | 780 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 400 | U | 180 | 400 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 400 | U | 200 | 400 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 780 | UQ | 370 | 780 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 400 | U | 170 | 400 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 400 | U | 180 | 400 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 400 | U | 210 | 400 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 400 | U | 200 | 400 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 400 | U | 230 | 400 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 400 | U | 190 | 400 | ug/Kg |

Raw Data: **BF141392.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-21.2-012825 | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-11 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 84.3 |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141392.D | 2 | 01/30/25 09:15 | 02/04/25 01:42 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 400 | U | 210 | 400 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 400 | U | 200 | 400 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 400 | U | 210 | 400 | ug/Kg |
| 83-32-9 | Acenaphthene | 400 | U | 190 | 400 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 780 | U | 580 | 780 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 780 | U | 280 | 780 | ug/Kg |
| 132-64-9 | Dibenzofuran | 400 | U | 200 | 400 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 400 | U | 200 | 400 | ug/Kg |
| 84-66-2 | Diethylphthalate | 400 | U | 190 | 400 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 400 | U | 200 | 400 | ug/Kg |
| 86-73-7 | Fluorene | 400 | U | 200 | 400 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 400 | U | 250 | 400 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 780 | U | 280 | 780 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 400 | U | 190 | 400 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 400 | U | 190 | 400 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 400 | U | 200 | 400 | ug/Kg |
| 1912-24-9 | Atrazine | 400 | U | 220 | 400 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 780 | U | 180 | 780 | ug/Kg |
| 85-01-8 | Phenanthrene | 2000 | | 200 | 400 | ug/Kg |
| 120-12-7 | Anthracene | 570 | | 200 | 400 | ug/Kg |
| 86-74-8 | Carbazole | 220 | J | 190 | 400 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 400 | U | 200 | 400 | ug/Kg |
| 206-44-0 | Fluoranthene | 3000 | | 190 | 400 | ug/Kg |
| 129-00-0 | Pyrene | 1900 | | 200 | 400 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 400 | U | 230 | 400 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 780 | UQ | 230 | 780 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 1200 | | 190 | 400 | ug/Kg |
| 218-01-9 | Chrysene | 1100 | | 190 | 400 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 400 | U | 220 | 400 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 780 | U | 260 | 780 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 1500 | | 190 | 400 | ug/Kg |

Raw Data: **BF141392.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-21.2-012825 | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-11 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 84.3 |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141392.D | 2 | 01/30/25 09:15 | 02/04/25 01:42 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 530 | | 200 | 400 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 1200 | | 220 | 400 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 530 | | 190 | 400 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 400 | U | 190 | 400 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 600 | | 190 | 400 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 400 | U | 210 | 400 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 400 | U | 260 | 400 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 400 | U | 180 | 400 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 84.5 | | 18 - 112 | 56% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 79.6 | | 15 - 107 | 53% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 59.9 | | 18 - 107 | 60% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 61.5 | | 20 - 109 | 61% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 80.0 | | 10 - 116 | 53% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 46.3 | | 10 - 105 | 46% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 78100 | 6.792 | | | |
| 1146-65-2 | Naphthalene-d8 | 291000 | 8.075 | | | |
| 15067-26-2 | Acenaphthene-d10 | 134000 | 9.828 | | | |
| 1517-22-2 | Phenanthrene-d10 | 196000 | 11.316 | | | |
| 1719-03-5 | Chrysene-d12 | 150000 | 13.957 | | | |
| 1520-96-3 | Perylene-d12 | 108000 | 15.404 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |
| 000119-61-9 | Benzophenone | 170 | J | | 10.5 | ug/Kg |
| 000832-69-9 | Phenanthrene, 1-methyl- | 200 | J | | 11.8 | ug/Kg |
| 004505-48-0 | 1H-Indene, 2-phenyl- | 550 | J | | 11.8 | ug/Kg |
| 000203-64-5 | 4H-Cyclopenta[def]phenanthrene | 520 | J | | 11.9 | ug/Kg |
| 005672-97-9 | 5,16[1,2]:8,13[1,2]-Dibenzen | 170 | J | | 12.1 | ug/Kg |
| 000243-17-4 | 11H-Benzo[b]fluorene | 170 | J | | 13.0 | ug/Kg |
| 002381-21-7 | Pyrene, 1-methyl- | 160 | J | | 13.1 | ug/Kg |

Raw Data: **BF141392.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-21.2-012825 | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-11 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 84.3 |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141392.D | 2 | 01/30/25 09:15 | 02/04/25 01:42 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 003353-12-6 | Pyrene, 4-methyl- | 190 | J | | 13.2 | ug/Kg |
| 000192-97-2 | Benzo[e]pyrene | 870 | J | | 15.3 | ug/Kg |

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141392.D
Acq On : 04 Feb 2025 01:42
Operator : RC/JU
Sample : Q1216-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 04 02:57:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.792 | 152 | 78116 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.075 | 136 | 291369 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.828 | 164 | 134383 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.316 | 188 | 196403 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 13.957 | 240 | 149766 | 20.000 | ng | | -0.02 |
| 86) Perylene-d12 | 15.404 | 264 | 108070 | 20.000 | ng | | -0.04 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.416 | 112 | 215009 | 42.255 | ng | | 0.00 |
| 7) Phenol-d6 | 6.434 | 99 | 257476 | 39.777 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.351 | 82 | 165397 | 29.925 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.622 | 330 | 49308 | 40.023 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.151 | 172 | 268332 | 30.734 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.904 | 244 | 224950 | 23.164 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 71) Phenanthrene | 11.339 | 178 | 268590 | 25.441 | ng | | 100 |
| 72) Anthracene | 11.392 | 178 | 74973 | 7.248 | ng | | 99 |
| 73) Carbazole | 11.551 | 167 | 25922 | 2.826 | ng | | 98 |
| 75) Fluoranthene | 12.533 | 202 | 392133 | 37.617 | ng | | 97 |
| 78) Pyrene | 12.757 | 202 | 350900 | 24.409 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.945 | 228 | 161074 | 15.586 | ng | | 97 |
| 83) Chrysene | 13.980 | 228 | 134899 | 14.243 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.839 | 276 | 46854 | 6.717 | ng | # | 92 |
| 88) Benzo(b)fluoranthene | 14.986 | 252 | 129277m | 19.017 | ng | | |
| 89) Benzo(k)fluoranthene | 15.004 | 252 | 40619m | 6.745 | ng | | |
| 90) Benzo(a)pyrene | 15.345 | 252 | 88222 | 15.358 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 16.857 | 278 | 12087 | 2.154 | ng | # | 89 |
| 92) Benzo(g,h,i)perylene | 17.274 | 276 | 44549 | 7.635 | ng | | 95 |

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

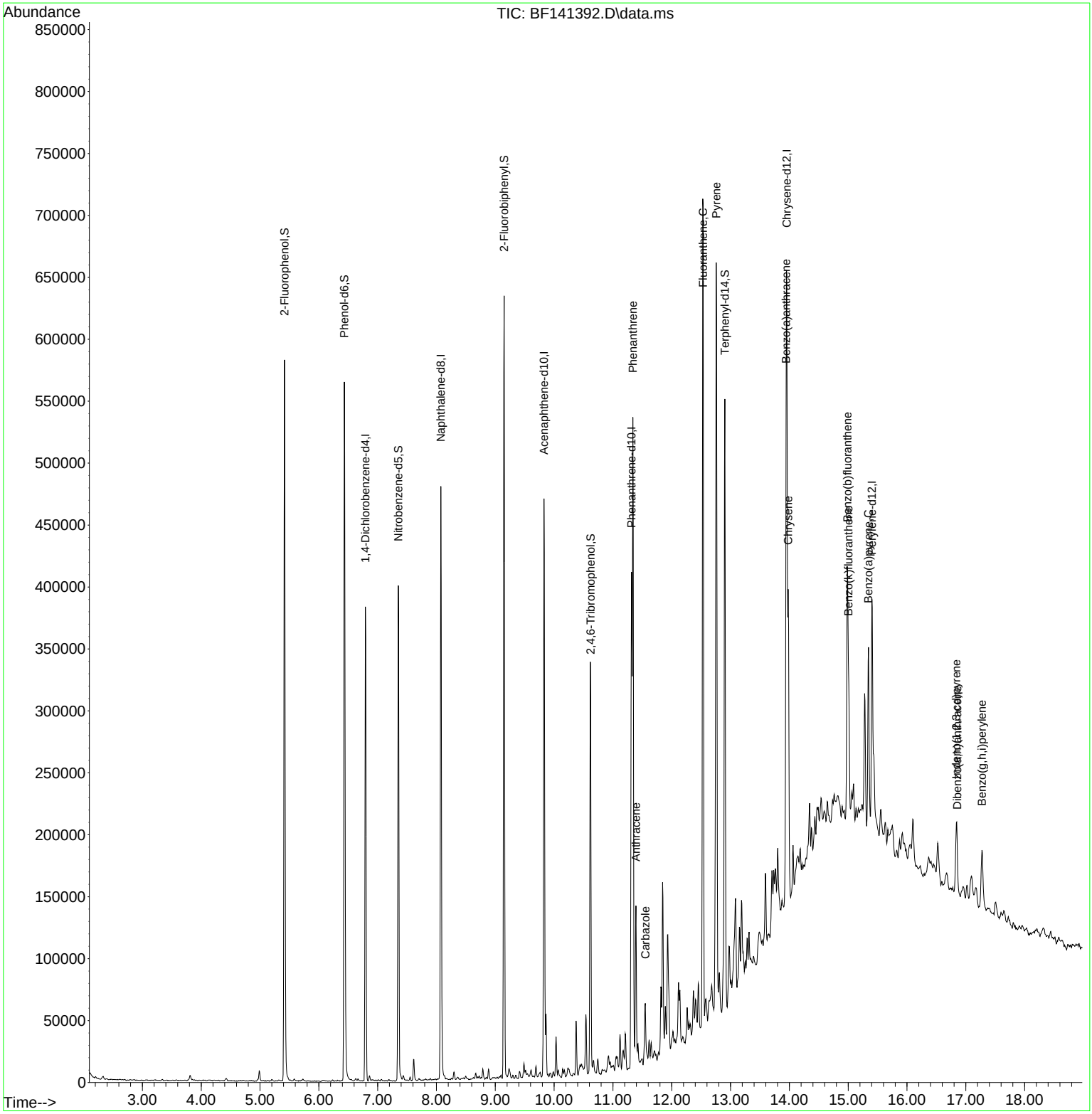
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141392.D
Acq On : 04 Feb 2025 01:42
Operator : RC/JU
Sample : Q1216-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

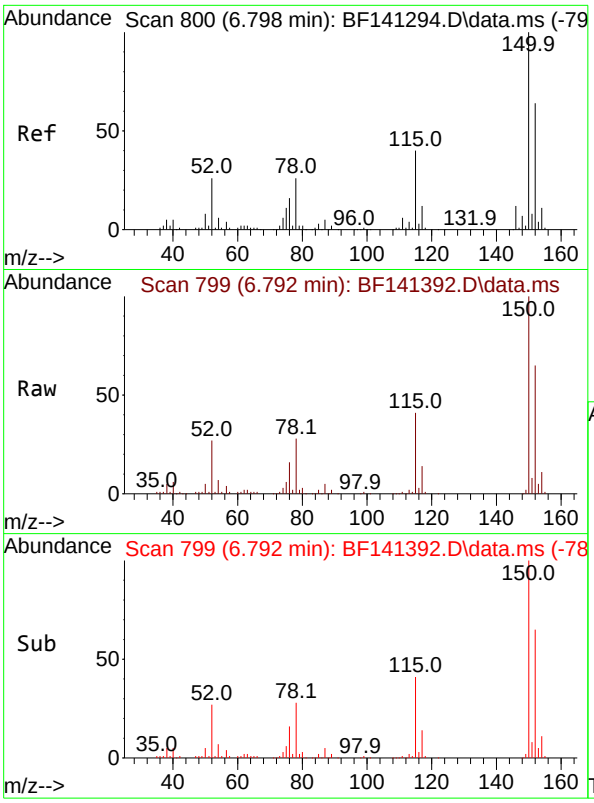
Quant Time: Feb 04 02:57:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

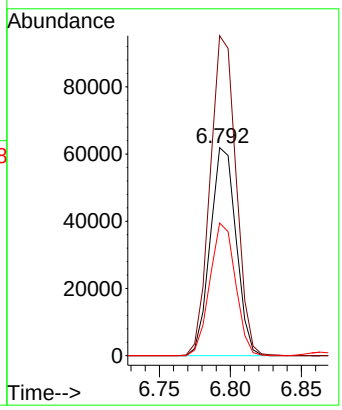





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:152 Resp: 7811

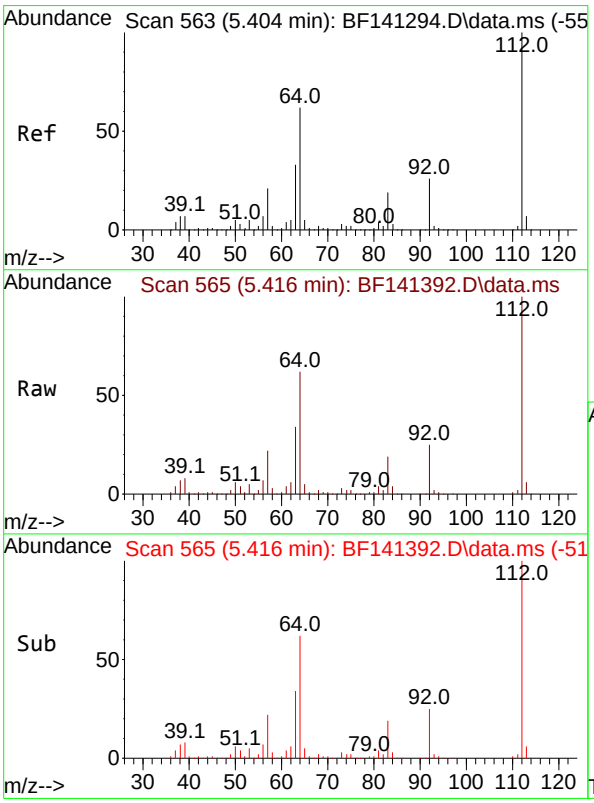
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.9 | 125.9 | 188.9 |
| 115 | 63.8 | 49.7 | 74.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

**Manual Integrations**
**APPROVED**

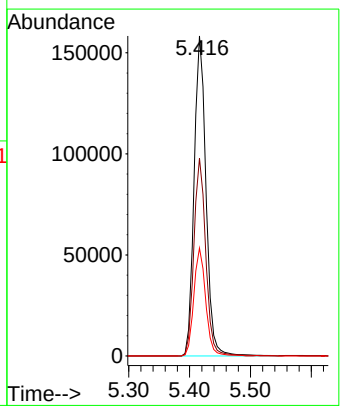
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

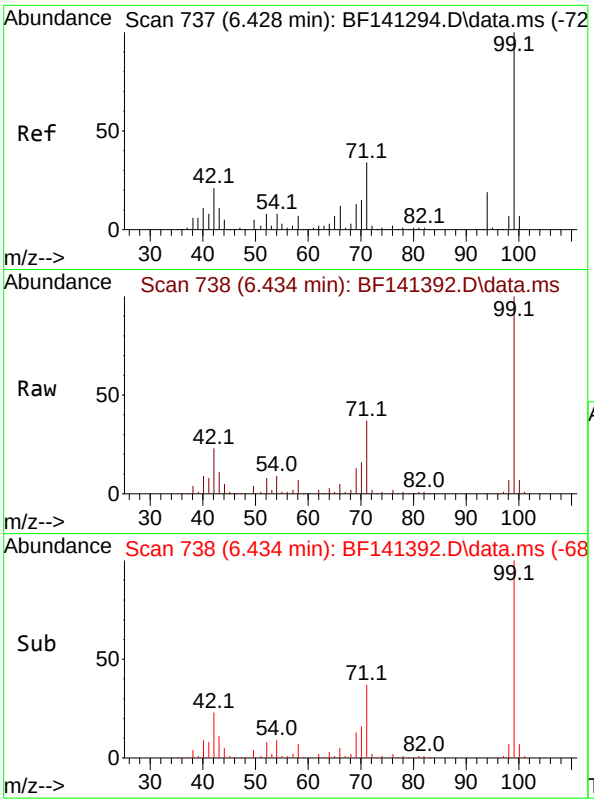



#5
2-Fluorophenol
Concen: 42.255 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:112 Resp: 215009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.8 | 49.8 | 74.8 |
| 63 | 33.7 | 26.1 | 39.1 |

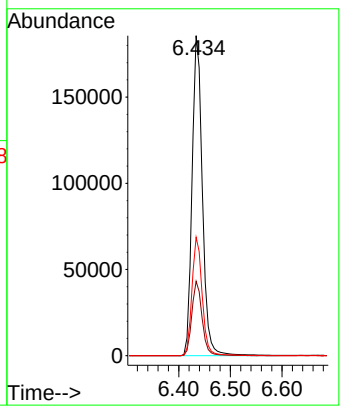





#7
Phenol-d6
Concen: 39.777 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion: 99 Resp: 25747

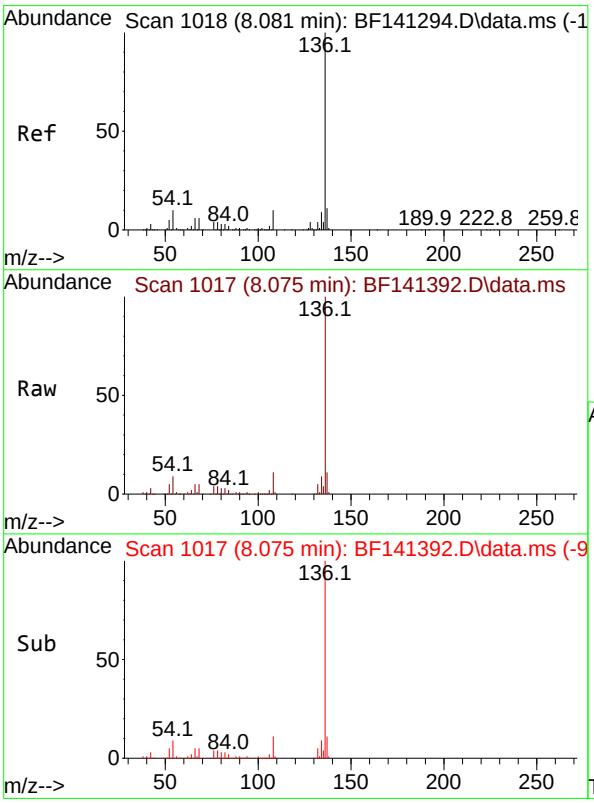
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.3 | 17.1 | 25.7 |
| 71 | 37.0 | 26.9 | 40.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

**Manual Integrations**
**APPROVED**

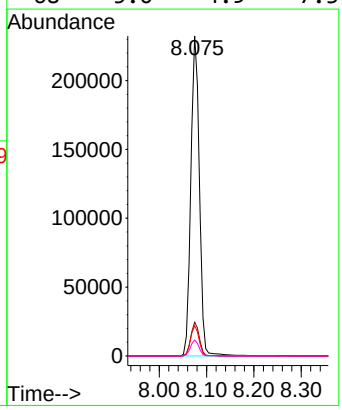
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

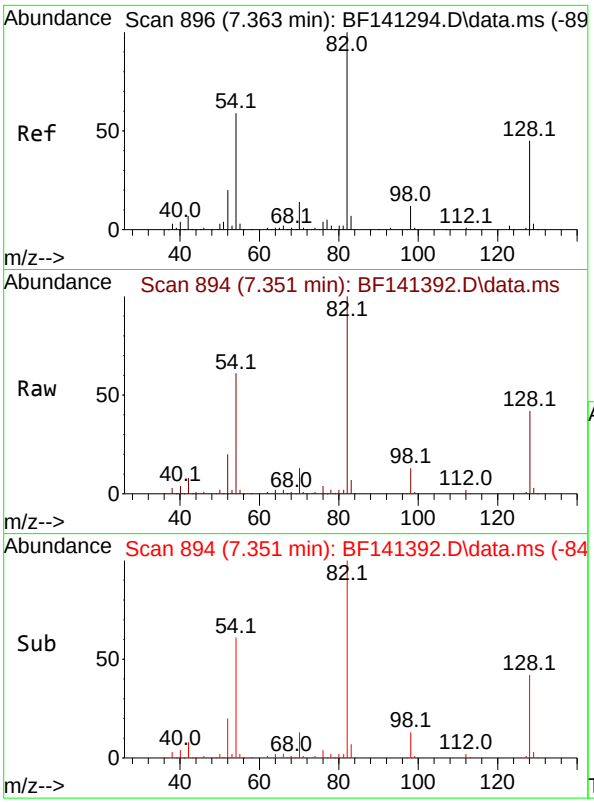



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:136 Resp: 291369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.6 | 13.0 |
| 54 | 9.5 | 7.8 | 11.8 |
| 68 | 5.0 | 4.9 | 7.3 |

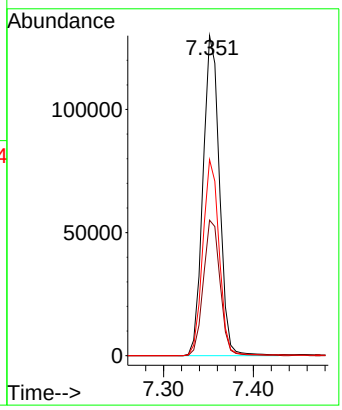





#23
Nitrobenzene-d5
Concen: 29.925 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion: 82 Resp: 16539

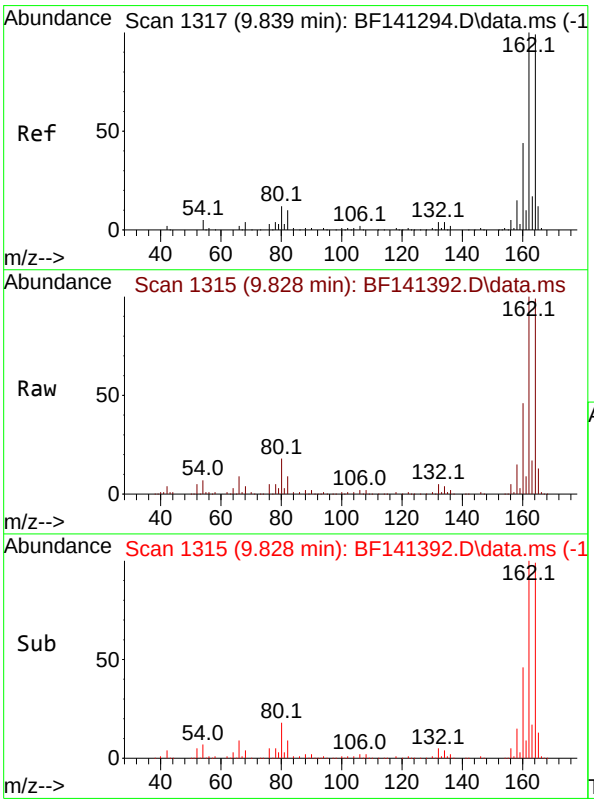
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.3 | 35.7 | 53.5 |
| 54 | 61.3 | 47.1 | 70.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

**Manual Integrations**
**APPROVED**

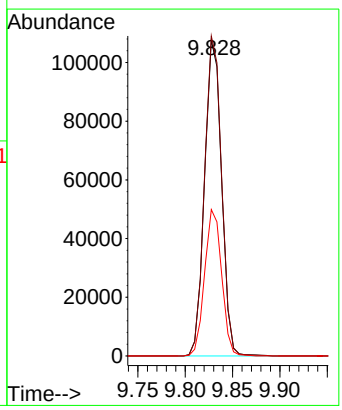
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

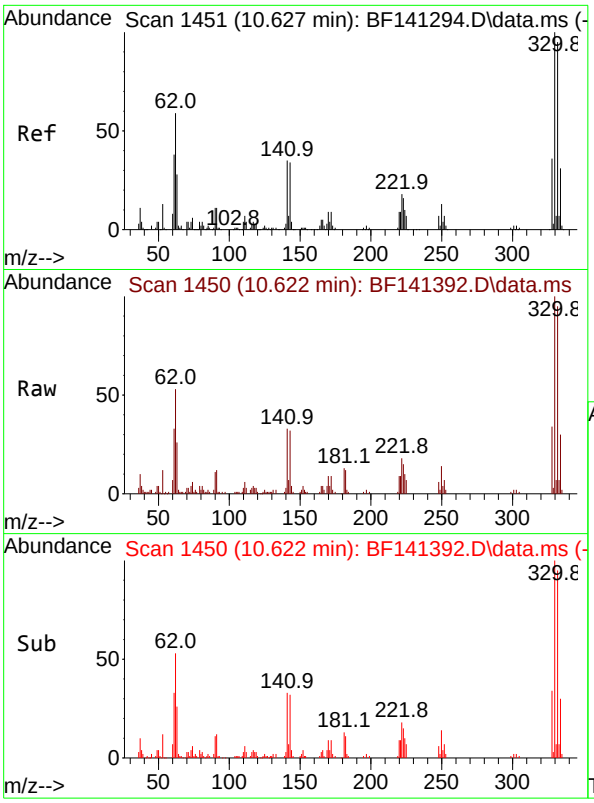



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:164 Resp: 134383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.3 | 80.6 | 121.0 |
| 160 | 46.4 | 35.8 | 53.6 |

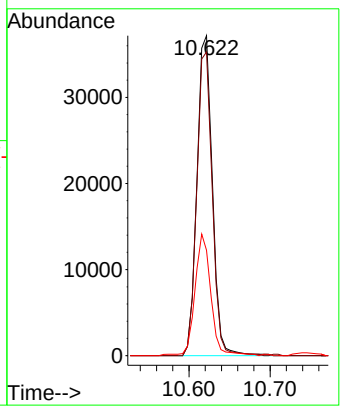





#42
2,4,6-Tribromophenol
Concen: 40.023 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:330 Resp: 4930

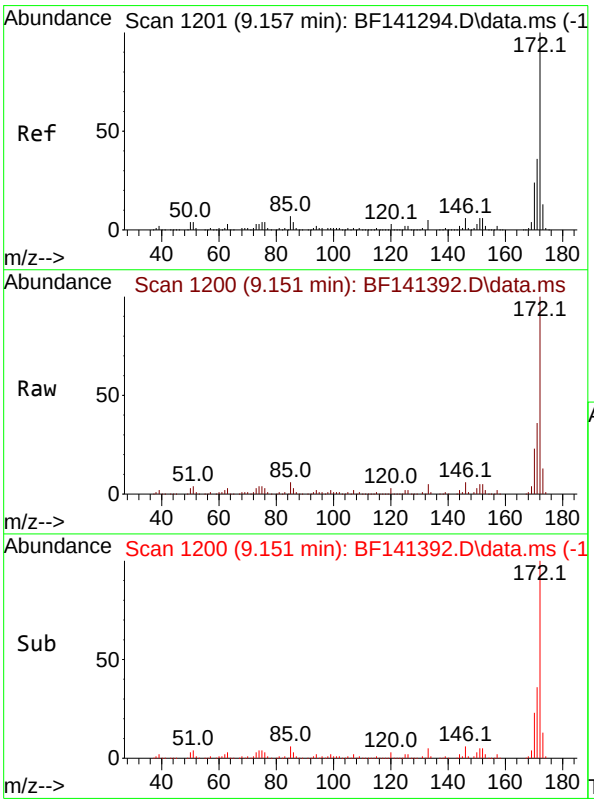
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.0 | 76.1 | 114.1 |
| 141 | 39.1 | 28.8 | 43.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

**Manual Integrations**
**APPROVED**

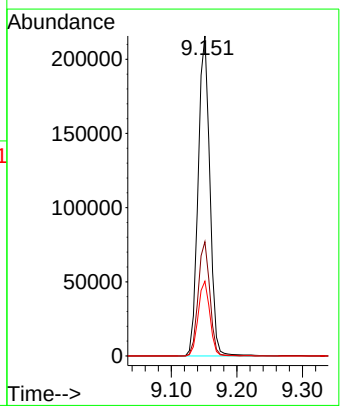
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

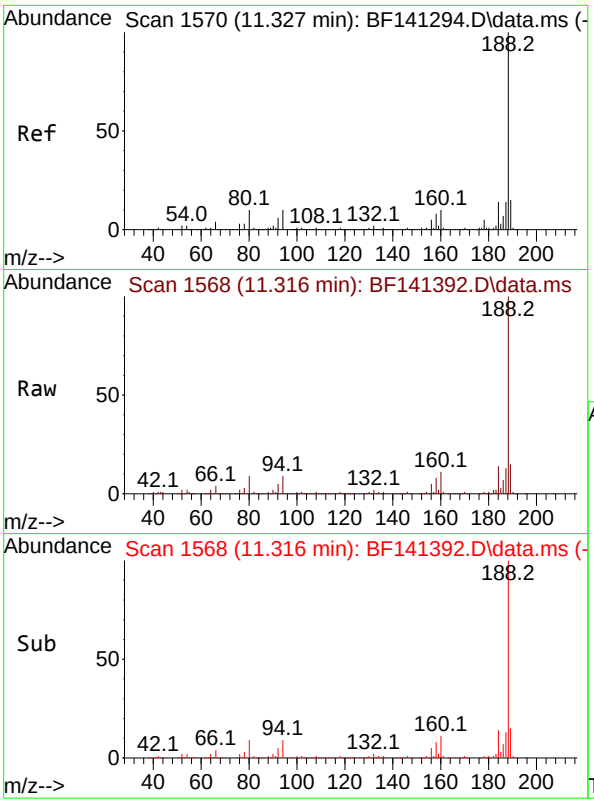



#45
2-Fluorobiphenyl
Concen: 30.734 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:172 Resp: 268332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.7 | 28.8 | 43.2 |
| 170 | 23.4 | 19.0 | 28.6 |

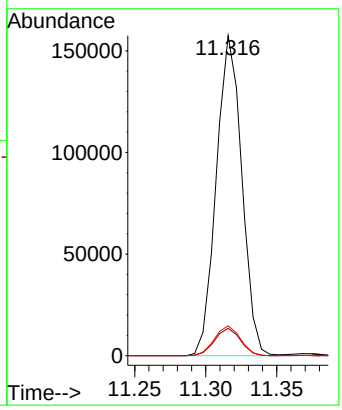





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:188 Resp: 19640

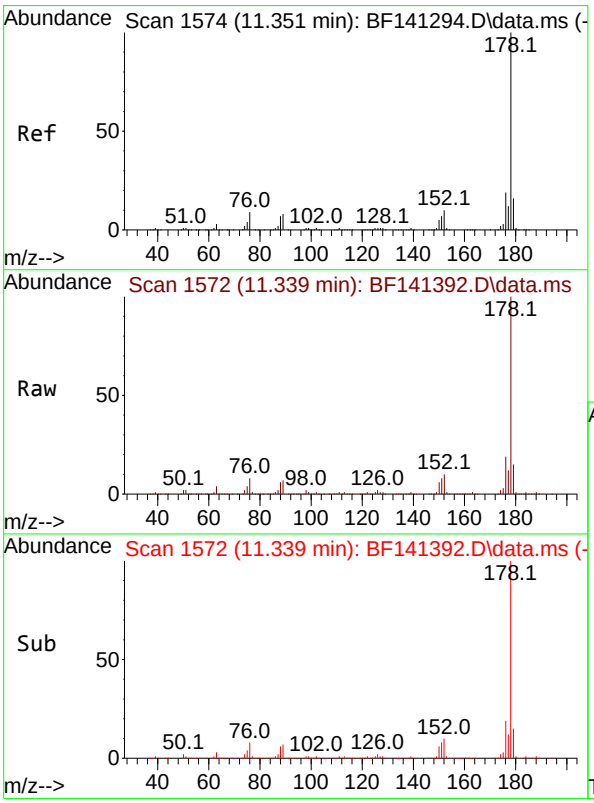
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.6 | 7.8 | 11.6 |
| 80 | 9.3 | 8.2 | 12.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

**Manual Integrations**
**APPROVED**

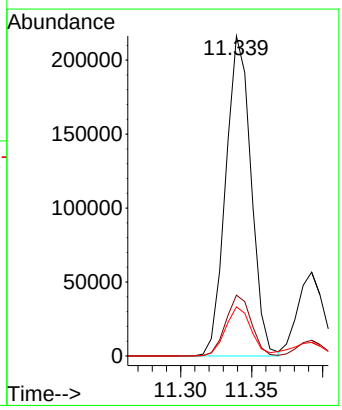
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

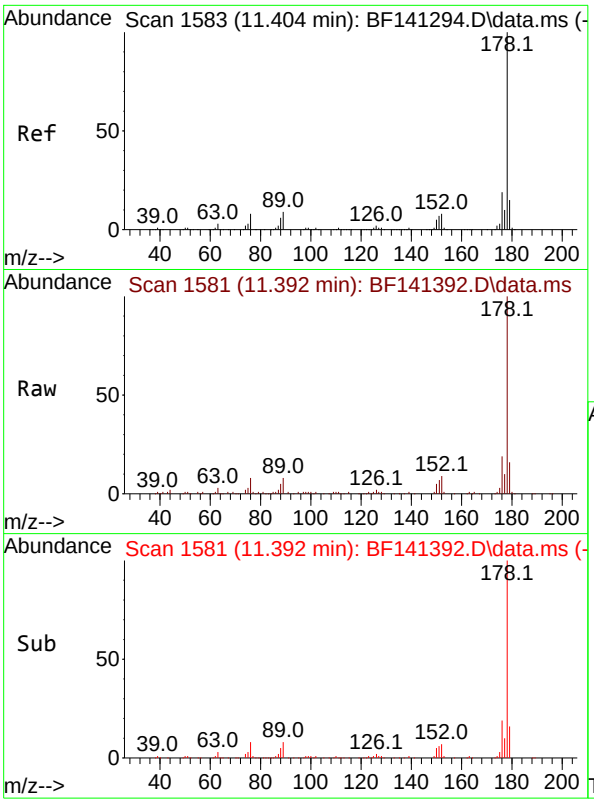



#71
Phenanthrene
Concen: 25.441 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:178 Resp: 268590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.3 | 22.9 |
| 179 | 15.3 | 12.5 | 18.7 |






#72
Anthracene
Concen: 7.248 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

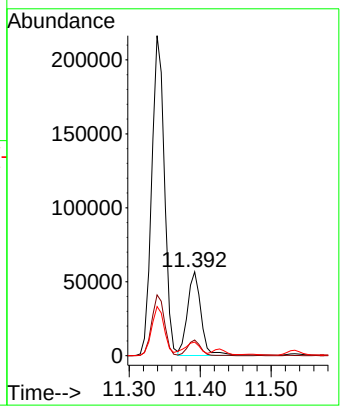
**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

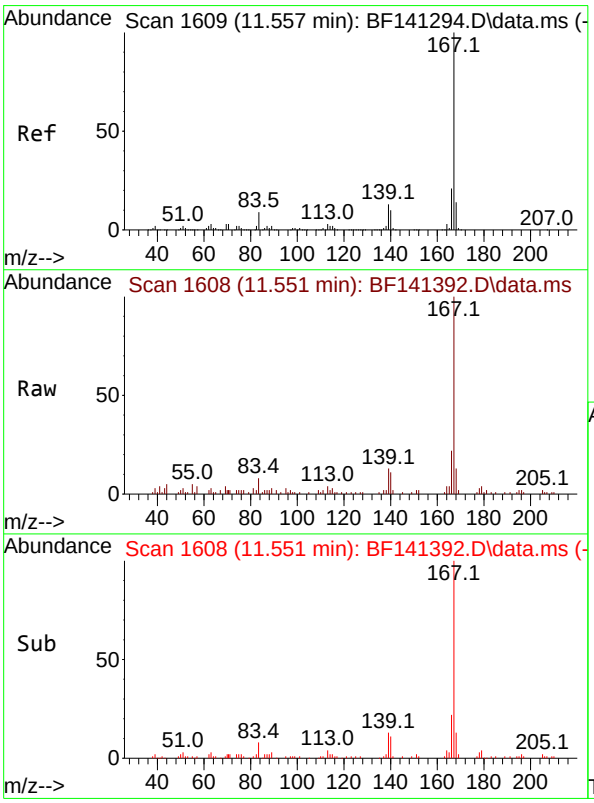
Tgt Ion:178 Resp: 7497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.0 | 22.6 |
| 179 | 16.2 | 12.3 | 18.5 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

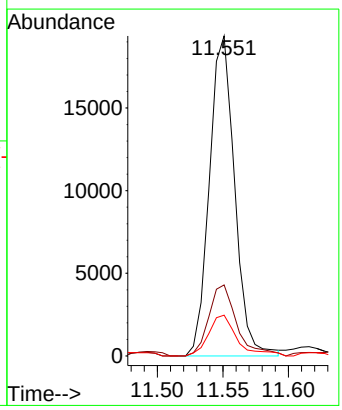


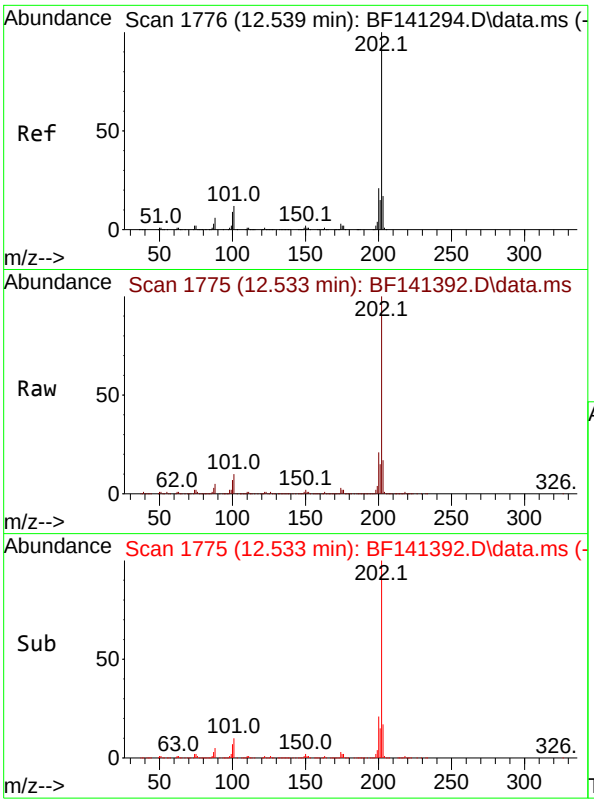




#73
Carbazole
Concen: 2.826 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:167 Resp: 25922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.2 | 17.0 | 25.6 |
| 139 | 12.7 | 10.6 | 16.0 |

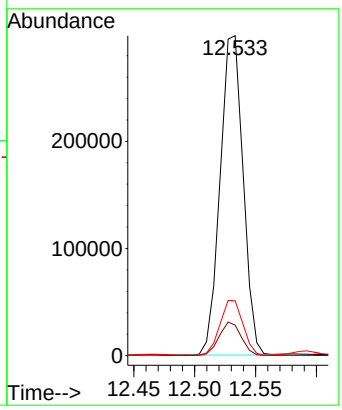





#75
Fluoranthene
Concen: 37.617 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:202 Resp: 39213

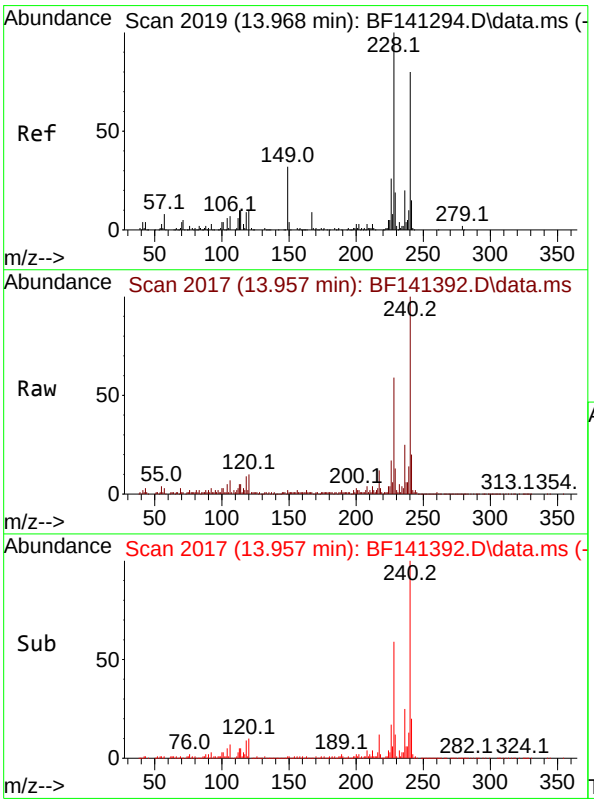
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.6 | 0.0 | 31.7 |
| 203 | 17.2 | 0.0 | 37.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

**Manual Integrations**
**APPROVED**

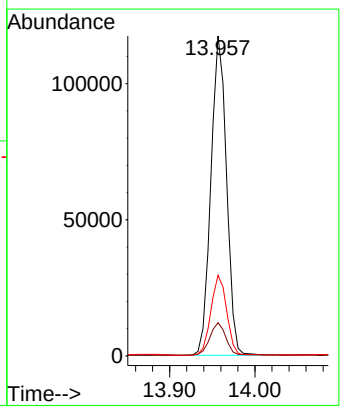
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

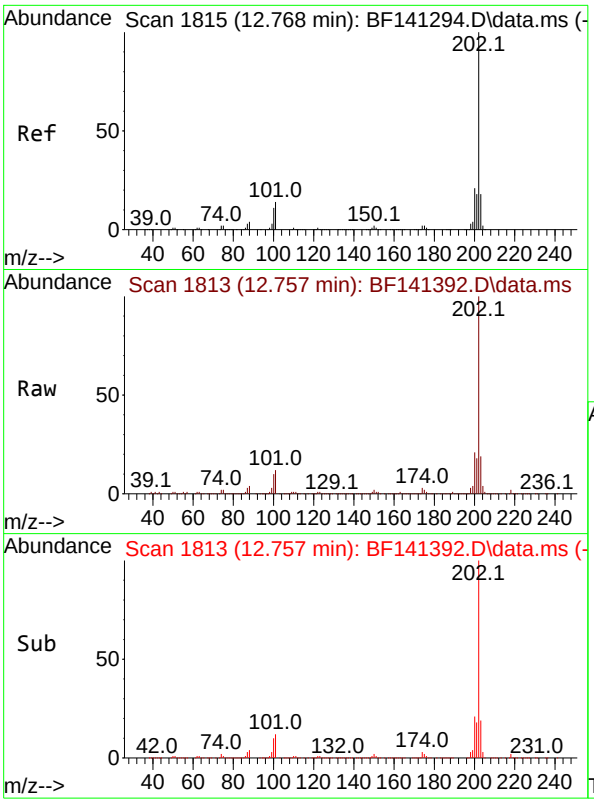



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:240 Resp: 149766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.4 | 10.0 | 15.0 |
| 236 | 25.2 | 19.7 | 29.5 |

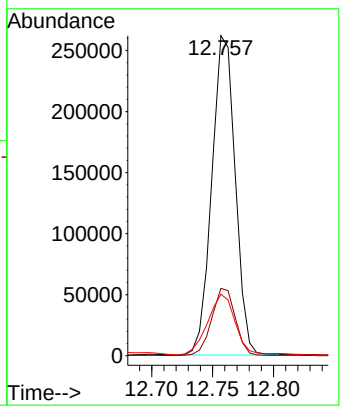





#78
Pyrene
Concen: 24.409 ng
RT: 12.757 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:202 Resp: 350900

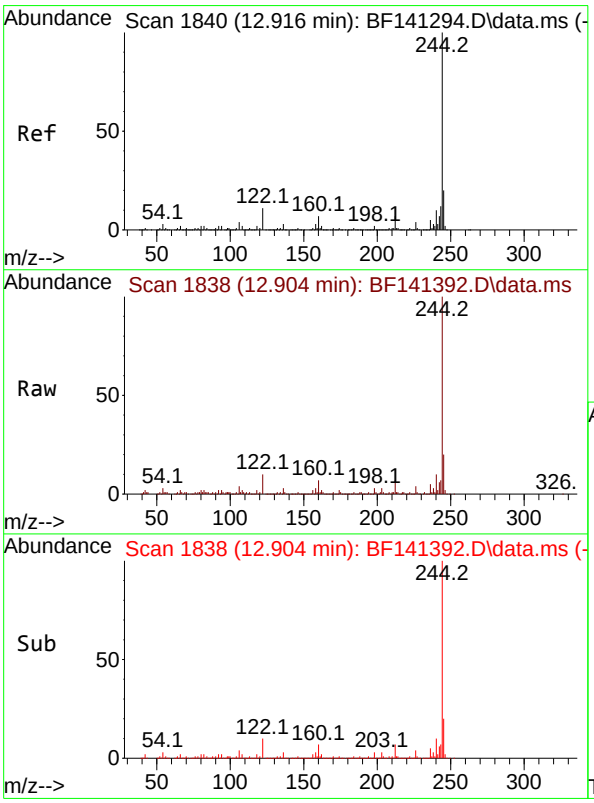
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 17.0 | 25.4 |
| 203 | 19.2 | 14.3 | 21.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

**Manual Integrations**
**APPROVED**

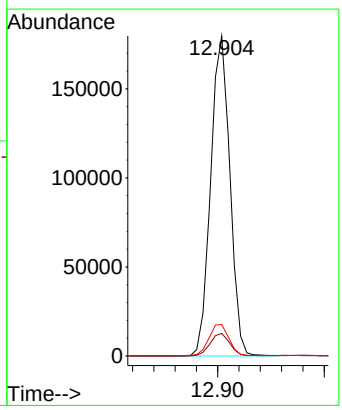
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

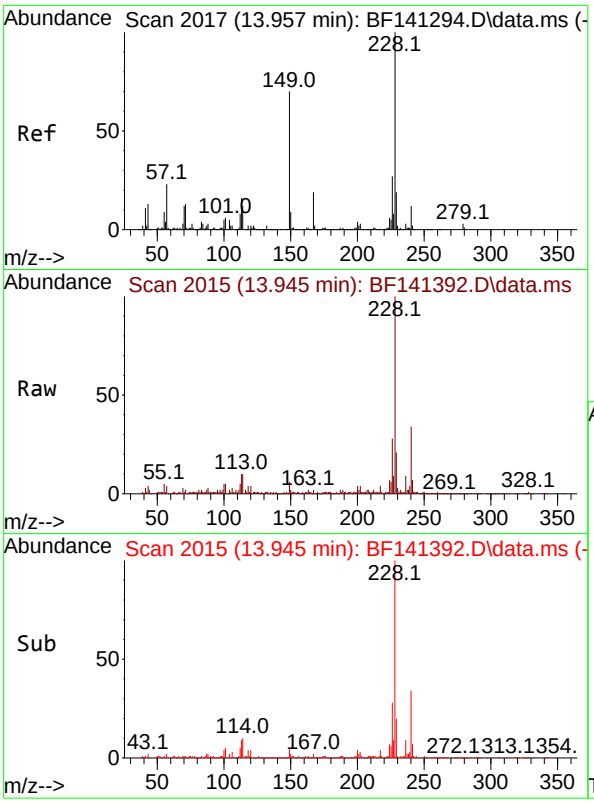



#79
Terphenyl-d14
Concen: 23.164 ng
RT: 12.904 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:244 Resp: 224950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.4 | 8.0 |
| 122 | 9.8 | 8.8 | 13.2 |

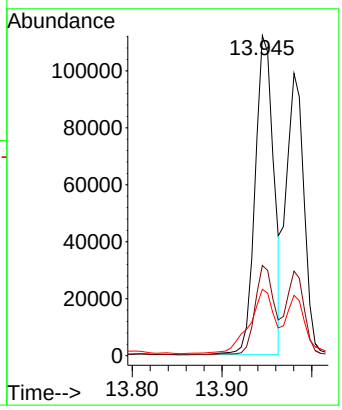





#81
Benzo(a)anthracene
Concen: 15.586 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:228 Resp: 16107

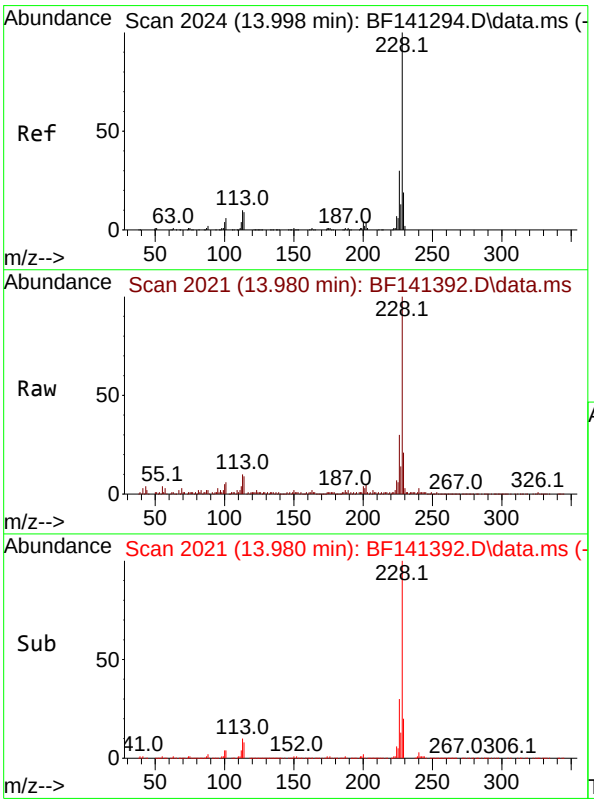
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.2 | 21.4 | 32.2 |
| 229 | 20.8 | 15.5 | 23.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

**Manual Integrations**
**APPROVED**

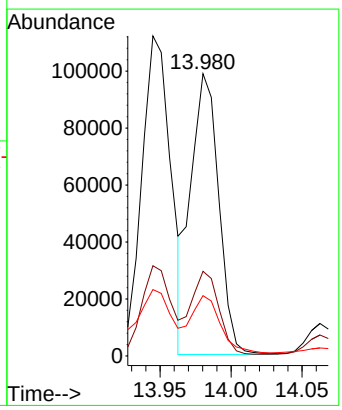
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

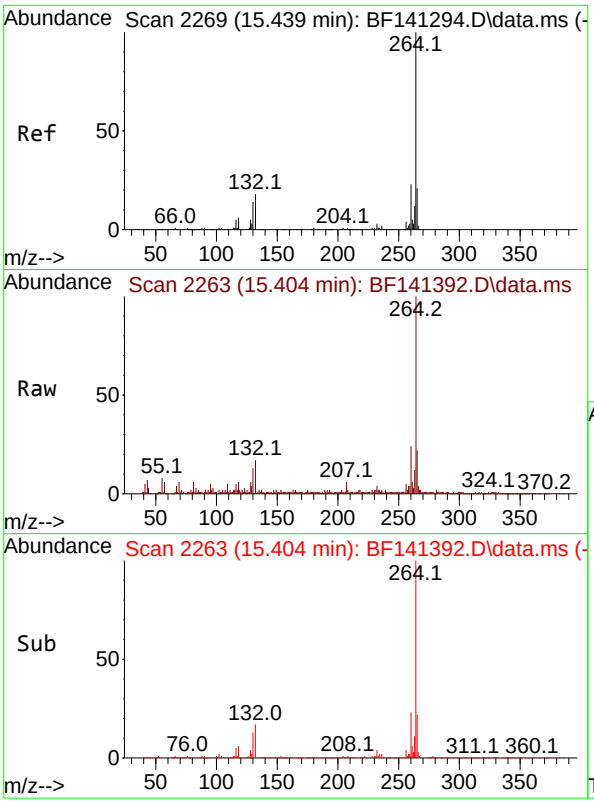



#83
Chrysene
Concen: 14.243 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.018 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:228 Resp: 134899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.0 | 24.1 | 36.1 |
| 229 | 21.4 | 15.6 | 23.4 |






#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

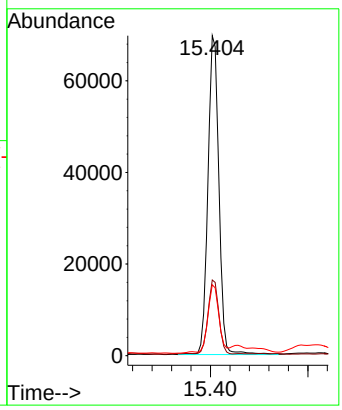
**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

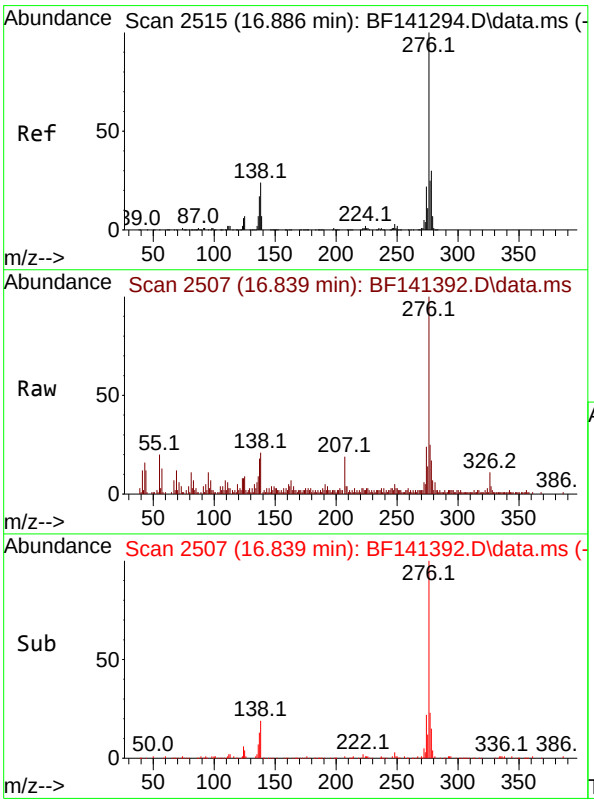
Tgt Ion:264 Resp: 10807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 18.6 | 27.8 |
| 265 | 22.1 | 16.7 | 25.1 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

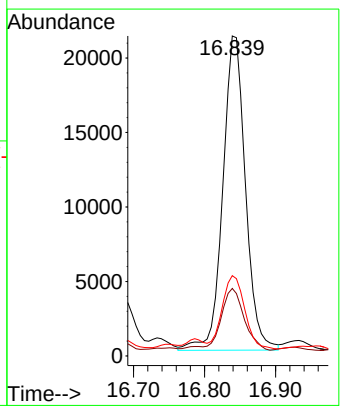


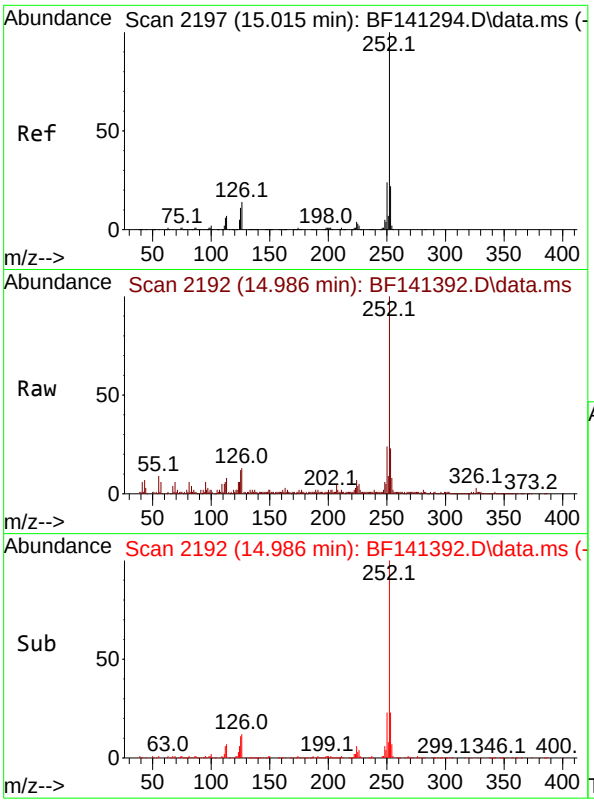




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.717 ng
RT: 16.839 min Scan# 2507
Delta R.T. -0.059 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:276 Resp: 46854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.9 | 21.7 | 32.5# |
| 277 | 23.0 | 20.3 | 30.5 |

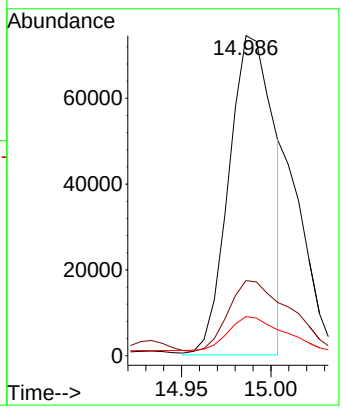





#88
Benzo(b)fluoranthene
Concen: 19.017 ng m
RT: 14.986 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:252 Resp: 12927

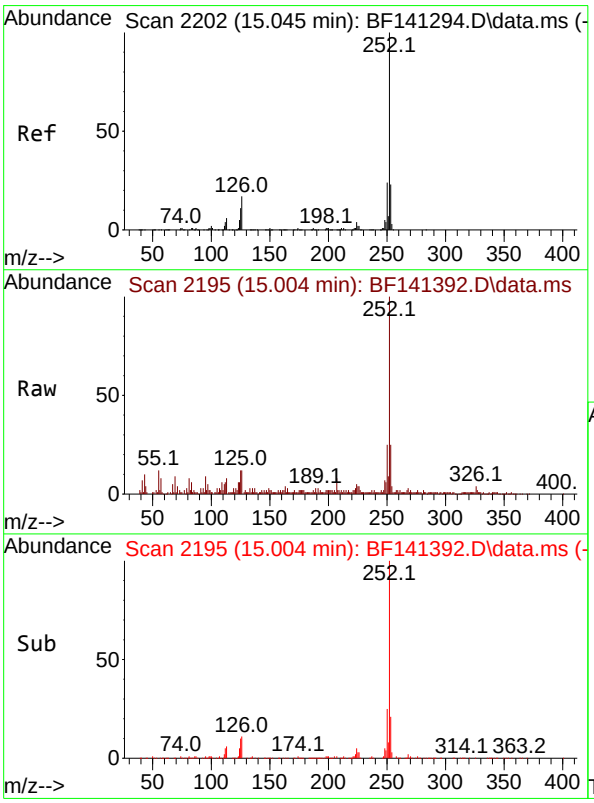
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 17.4 | 26.2 |
| 125 | 12.2 | 8.6 | 12.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

**Manual Integrations**
**APPROVED**

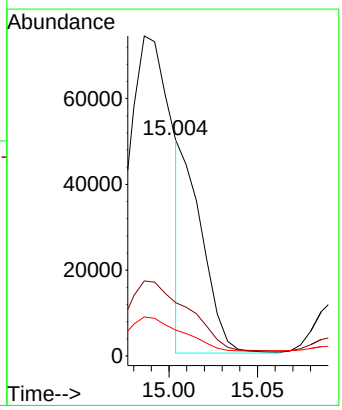
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

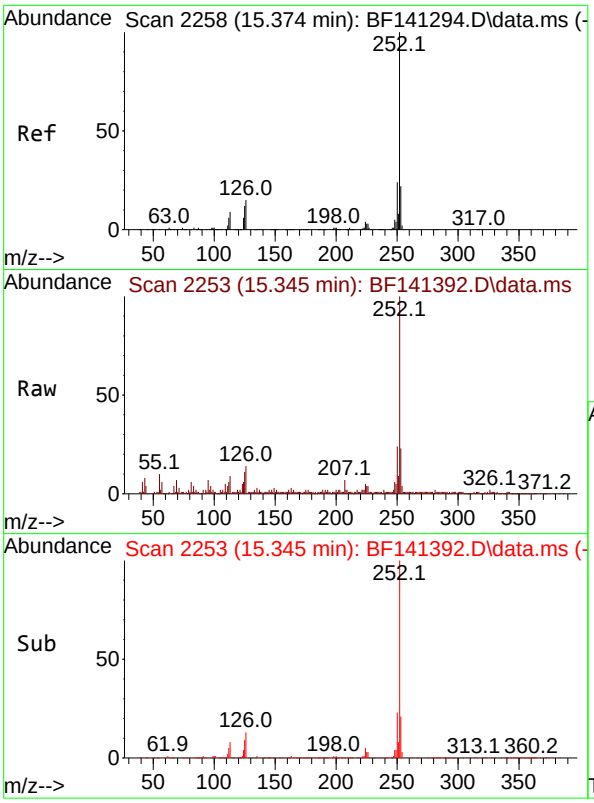



#89
Benzo(k)fluoranthene
Concen: 6.745 ng m
RT: 15.004 min Scan# 2195
Delta R.T. -0.047 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:252 Resp: 40619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.6 | 17.6 | 26.4 |
| 125 | 12.0 | 8.4 | 12.6 |

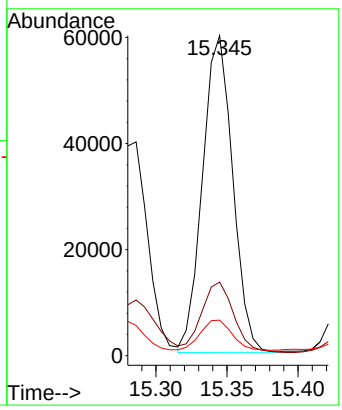





#90
Benzo(a)pyrene
Concen: 15.358 ng
RT: 15.345 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:252 Resp: 8822

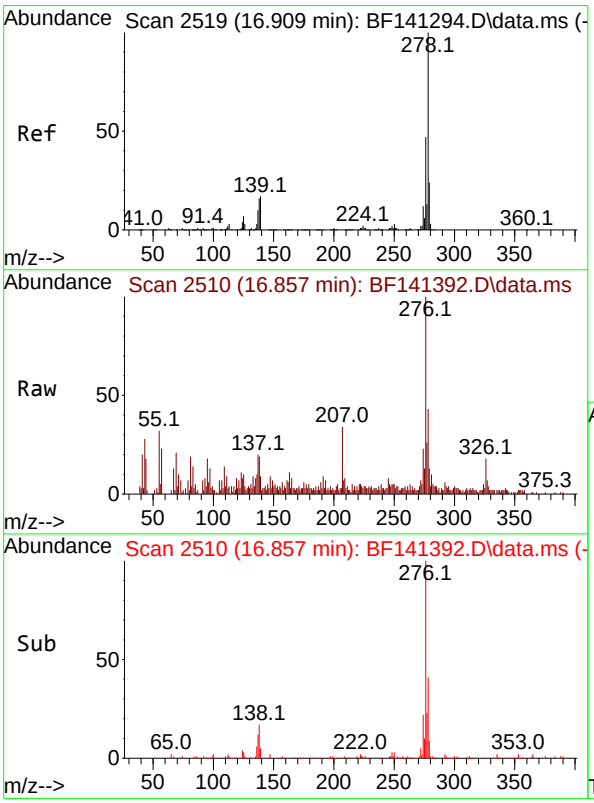
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 17.2 | 25.8 |
| 125 | 11.1 | 9.4 | 14.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

**Manual Integrations**
**APPROVED**

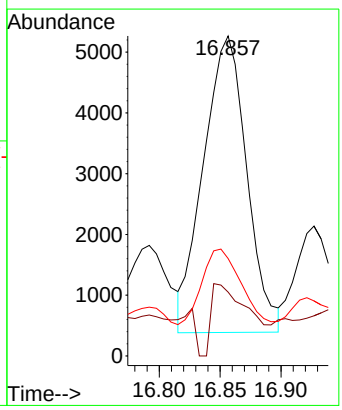
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

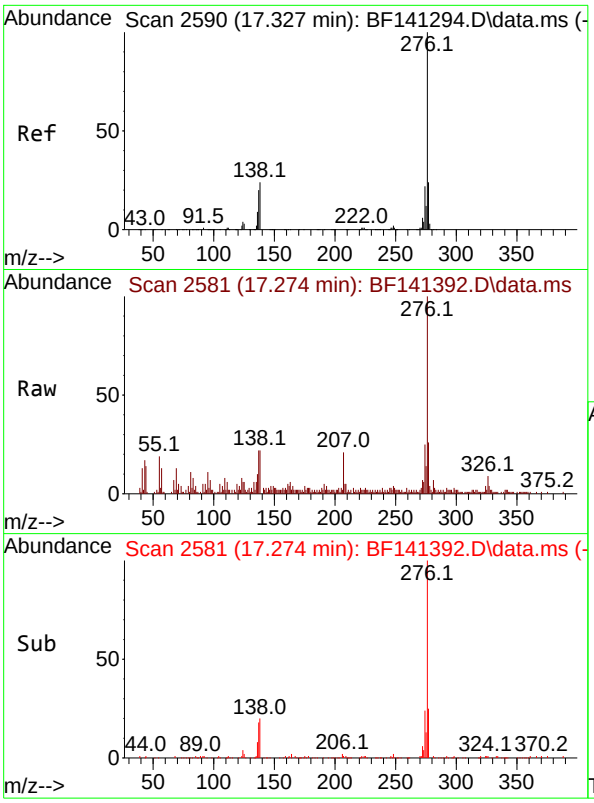



#91
Dibenzo(a,h)anthracene
Concen: 2.154 ng
RT: 16.857 min Scan# 2510
Delta R.T. -0.065 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:278 Resp: 12087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 20.0 | 13.9 | 20.9 |
| 279 | 30.4 | 18.8 | 28.2# |

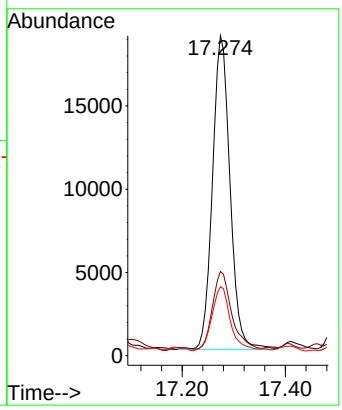





#92
Benzo(g,h,i)perylene
Concen: 7.635 ng
RT: 17.274 min Scan# 2
Delta R.T. -0.071 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:276 Resp: 4454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 26.3 | 19.2 | 28.8 |
| 138 | 21.6 | 19.0 | 28.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

Sample Results: **BF141392.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141392.D
Acq On : 04 Feb 2025 01:42
Operator : RC/JU
Sample : Q1216-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141392.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.987 | 484 | 492 | 498 | rBV2 | 8140 | 13657 | 1.49% | 0.106% |
| 2 | 5.416 | 560 | 565 | 580 | rBV | 581673 | 781442 | 85.01% | 6.071% |
| 3 | 6.434 | 733 | 738 | 755 | rBV | 563725 | 789656 | 85.90% | 6.135% |
| 4 | 6.792 | 794 | 799 | 807 | rVB | 382890 | 478750 | 52.08% | 3.720% |
| 5 | 7.351 | 889 | 894 | 905 | rBV | 399186 | 509027 | 55.38% | 3.955% |
| 6 | 7.610 | 933 | 938 | 947 | rBV | 17139 | 24947 | 2.71% | 0.194% |
| 7 | 8.075 | 1011 | 1017 | 1027 | rBV | 478356 | 613895 | 66.78% | 4.770% |
| 8 | 8.786 | 1135 | 1138 | 1144 | rVB | 8360 | 11302 | 1.23% | 0.088% |
| 9 | 8.886 | 1151 | 1155 | 1161 | rVB | 8189 | 10830 | 1.18% | 0.084% |
| 10 | 9.151 | 1195 | 1200 | 1209 | rBV | 631637 | 786401 | 85.55% | 6.110% |
| 11 | 9.233 | 1209 | 1214 | 1221 | rVB4 | 7380 | 14900 | 1.62% | 0.116% |
| 12 | 9.410 | 1240 | 1244 | 1253 | rBV2 | 5785 | 10400 | 1.13% | 0.081% |
| 13 | 9.486 | 1253 | 1257 | 1260 | rBV | 11404 | 15465 | 1.68% | 0.120% |
| 14 | 9.692 | 1288 | 1292 | 1296 | rBV | 8814 | 11131 | 1.21% | 0.086% |
| 15 | 9.828 | 1310 | 1315 | 1319 | rBV | 466119 | 594552 | 64.68% | 4.619% |
| 16 | 9.863 | 1319 | 1321 | 1325 | rVB | 49363 | 50299 | 5.47% | 0.391% |
| 17 | 10.033 | 1346 | 1350 | 1354 | rVV2 | 31849 | 39758 | 4.33% | 0.309% |
| 18 | 10.145 | 1365 | 1369 | 1372 | rBV2 | 6933 | 9541 | 1.04% | 0.074% |
| 19 | 10.239 | 1380 | 1385 | 1387 | rBV6 | 6415 | 10630 | 1.16% | 0.083% |
| 20 | 10.375 | 1404 | 1408 | 1413 | rVB | 43797 | 54604 | 5.94% | 0.424% |
| 21 | 10.439 | 1413 | 1419 | 1421 | rBV3 | 8260 | 14371 | 1.56% | 0.112% |
| 22 | 10.539 | 1432 | 1436 | 1441 | rVB2 | 47926 | 63637 | 6.92% | 0.494% |
| 23 | 10.616 | 1444 | 1449 | 1455 | rVV | 332550 | 438651 | 47.72% | 3.408% |
| 24 | 10.669 | 1455 | 1458 | 1466 | rVV2 | 10901 | 19144 | 2.08% | 0.149% |
| 25 | 10.745 | 1466 | 1471 | 1478 | rVB5 | 11982 | 18692 | 2.03% | 0.145% |
| 26 | 10.927 | 1495 | 1502 | 1504 | rBV4 | 13157 | 25100 | 2.73% | 0.195% |
| 27 | 11.057 | 1519 | 1524 | 1525 | rBV4 | 11149 | 16103 | 1.75% | 0.125% |
| 28 | 11.122 | 1531 | 1535 | 1539 | rVB | 27615 | 33847 | 3.68% | 0.263% |
| 29 | 11.175 | 1539 | 1544 | 1547 | rVV3 | 15262 | 29892 | 3.25% | 0.232% |
| 30 | 11.210 | 1547 | 1550 | 1556 | rVB | 29242 | 40520 | 4.41% | 0.315% |
| 31 | 11.316 | 1563 | 1568 | 1570 | rBV | 400592 | 544000 | 59.18% | 4.227% |
| 32 | 11.339 | 1570 | 1572 | 1577 | rVV | 524142 | 603638 | 65.67% | 4.690% |
| 33 | 11.392 | 1577 | 1581 | 1585 | rVV | 128284 | 170611 | 18.56% | 1.326% |
| 34 | 11.427 | 1585 | 1587 | 1593 | rVB | 15372 | 17997 | 1.96% | 0.140% |
| 35 | 11.551 | 1601 | 1608 | 1615 | rBV2 | 49783 | 92476 | 10.06% | 0.718% |
| 36 | 11.616 | 1615 | 1619 | 1622 | rVV2 | 16580 | 21737 | 2.36% | 0.169% |

Sample Results: **BF141392.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141392.D
Acq On : 04 Feb 2025 01:42
Operator : RC/JU
Sample : Q1216-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 11.651 | 1622 | 1625 | 1630 | rVB4 | 12412 | 17233 | 1.87% | 0.134% |
| 38 | 11.816 | 1649 | 1653 | 1655 | rBV | 54289 | 69858 | 7.60% | 0.543% |
| 39 | 11.845 | 1655 | 1658 | 1663 | rVV | 136682 | 187564 | 20.40% | 1.457% |
| 40 | 11.892 | 1663 | 1666 | 1669 | rVV | 34741 | 46785 | 5.09% | 0.363% |
| 41 | 11.933 | 1669 | 1673 | 1681 | rVB3 | 92120 | 177228 | 19.28% | 1.377% |
| 42 | 12.022 | 1682 | 1688 | 1691 | rBV6 | 12221 | 23010 | 2.50% | 0.179% |
| 43 | 12.116 | 1700 | 1704 | 1706 | rBV | 43702 | 57654 | 6.27% | 0.448% |
| 44 | 12.263 | 1725 | 1729 | 1732 | rBV2 | 24812 | 33901 | 3.69% | 0.263% |
| 45 | 12.369 | 1743 | 1747 | 1750 | rBV | 32980 | 47035 | 5.12% | 0.365% |
| 46 | 12.404 | 1751 | 1753 | 1758 | rVB2 | 21289 | 29810 | 3.24% | 0.232% |
| 47 | 12.451 | 1758 | 1761 | 1767 | rVB | 35925 | 48863 | 5.32% | 0.380% |
| 48 | 12.527 | 1769 | 1774 | 1779 | rBV | 668386 | 885946 | 96.38% | 6.883% |
| 49 | 12.580 | 1779 | 1783 | 1788 | rVB3 | 17998 | 35285 | 3.84% | 0.274% |
| 50 | 12.633 | 1789 | 1792 | 1793 | rBV2 | 14039 | 16039 | 1.74% | 0.125% |
| 51 | 12.757 | 1806 | 1813 | 1819 | rBV | 603272 | 919228 | 100.00% | 7.142% |
| 52 | 12.810 | 1819 | 1822 | 1829 | rVB2 | 32082 | 48138 | 5.24% | 0.374% |
| 53 | 12.904 | 1830 | 1838 | 1845 | rBV | 491317 | 702672 | 76.44% | 5.459% |
| 54 | 12.974 | 1845 | 1850 | 1854 | rBV2 | 49191 | 96313 | 10.48% | 0.748% |
| 55 | 13.086 | 1866 | 1869 | 1873 | rVB | 72010 | 93812 | 10.21% | 0.729% |
| 56 | 13.151 | 1877 | 1880 | 1883 | rVV | 42505 | 58307 | 6.34% | 0.453% |
| 57 | 13.186 | 1883 | 1886 | 1894 | rVB3 | 59102 | 107144 | 11.66% | 0.832% |
| 58 | 13.280 | 1900 | 1902 | 1905 | rBV | 21071 | 23013 | 2.50% | 0.179% |
| 59 | 13.316 | 1905 | 1908 | 1911 | rVV2 | 23002 | 24724 | 2.69% | 0.192% |
| 60 | 13.592 | 1952 | 1955 | 1960 | rVB | 53922 | 70229 | 7.64% | 0.546% |
| 61 | 13.704 | 1970 | 1974 | 1977 | rBV2 | 49297 | 83196 | 9.05% | 0.646% |
| 62 | 13.951 | 2011 | 2016 | 2020 | rBV2 | 498675 | 910544 | 99.06% | 7.074% |
| 63 | 14.986 | 2188 | 2192 | 2201 | rVB | 195901 | 409335 | 44.53% | 3.180% |
| 64 | 15.280 | 2239 | 2242 | 2248 | rVB | 107085 | 165925 | 18.05% | 1.289% |
| 65 | 15.345 | 2249 | 2253 | 2259 | rBV | 138406 | 200244 | 21.78% | 1.556% |
| 66 | 15.404 | 2259 | 2263 | 2268 | rBV | 175249 | 300283 | 32.67% | 2.333% |

Sum of corrected areas: 12870921

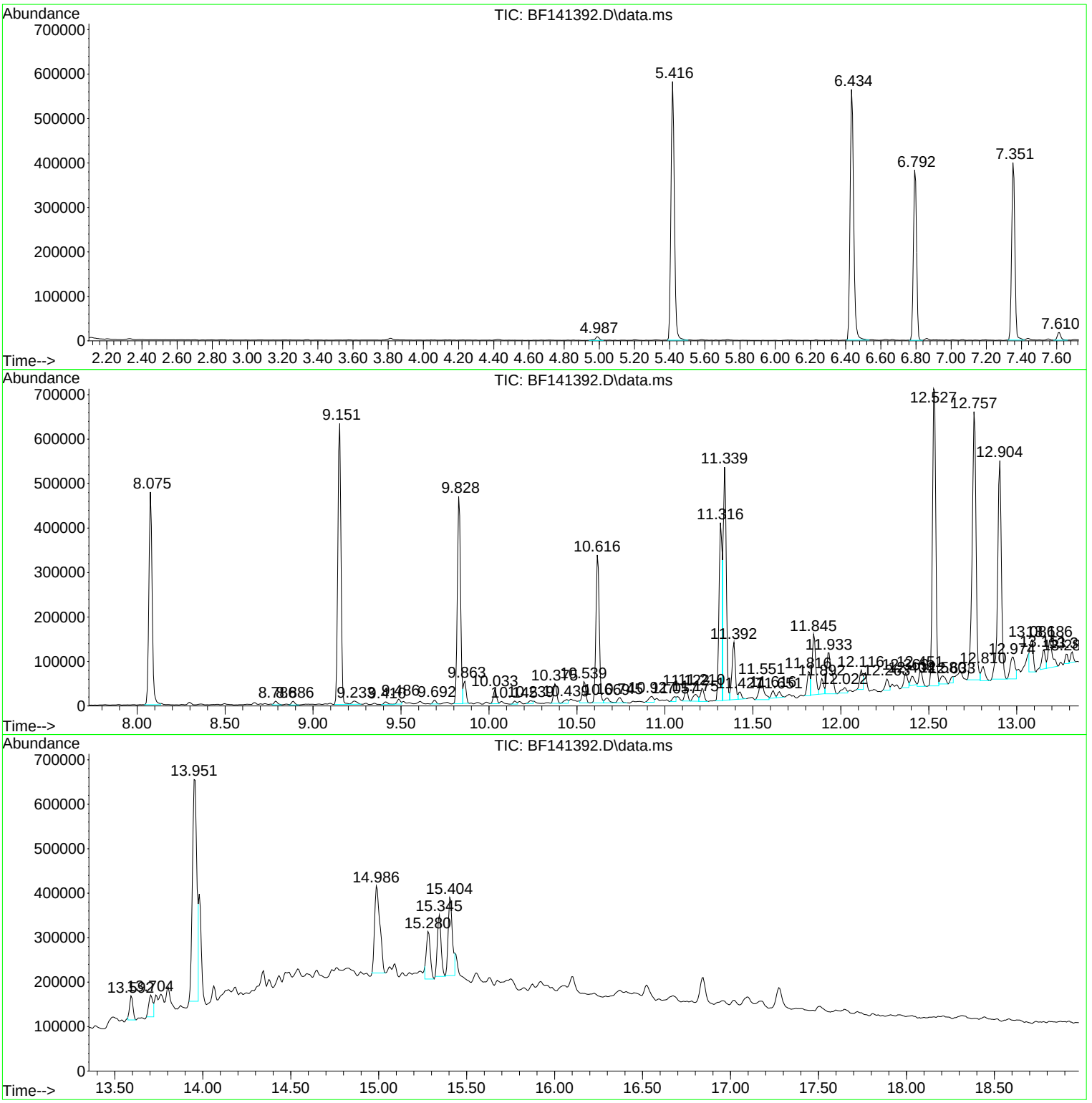
Sample Results: **BF141392.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141392.D
Acq On : 04 Feb 2025 01:42
Operator : RC/JU
Sample : Q1216-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Sample Results: **BF141392.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141392.D
Acq On : 04 Feb 2025 01:42
Operator : RC/JU
Sample : Q1216-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

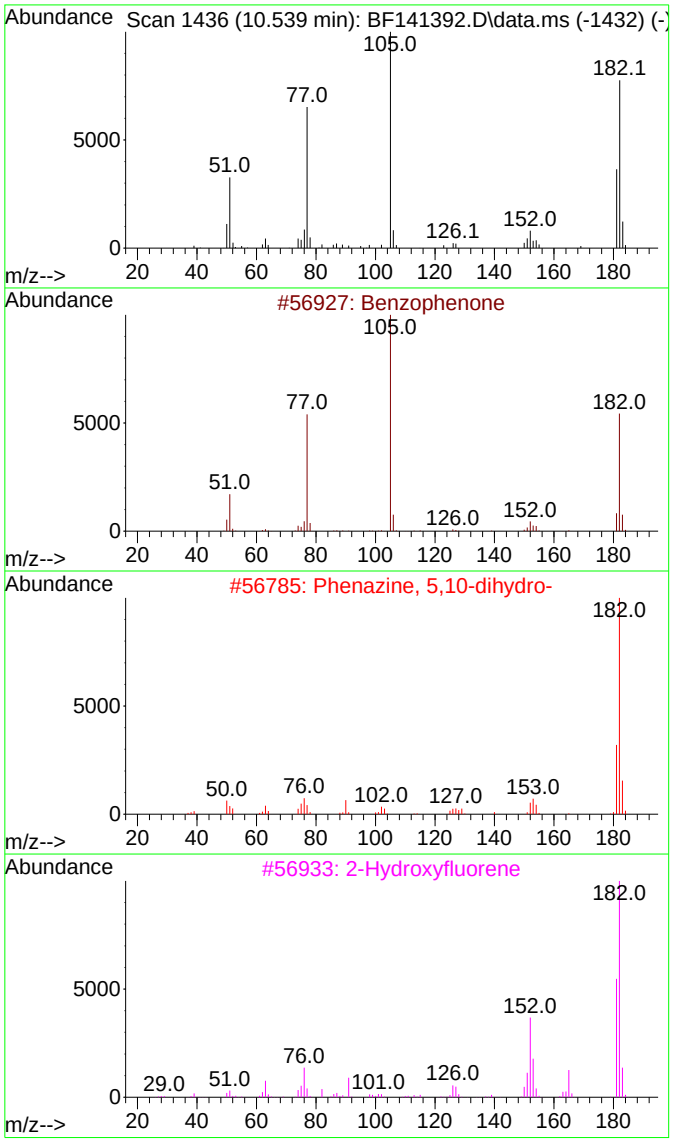
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TIC Integration Parameters: LSCINT.P

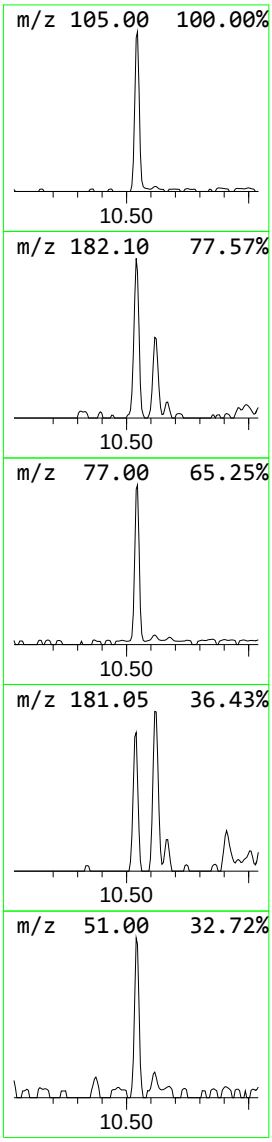
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Peak Number 1 Benzophenone Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.539 | 2.14 ng | 63637 | Acenaphthene-d10 | 9.828 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 95 |
| 2 | Phenazine, 5,10-dihydro- | 182 | C12H10N2 | 000613-32-1 | 53 |
| 3 | 2-Hydroxyfluorene | 182 | C13H10O | 002443-58-5 | 47 |
| 4 | 4,4'-Dimethylbiphenyl | 182 | C14H14 | 000613-33-2 | 46 |
| 5 | 2,4,6-Trimethoxytoluene | 182 | C10H14O3 | 014107-97-2 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141392.D
Acq On : 04 Feb 2025 01:42
Operator : RC/JU
Sample : Q1216-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

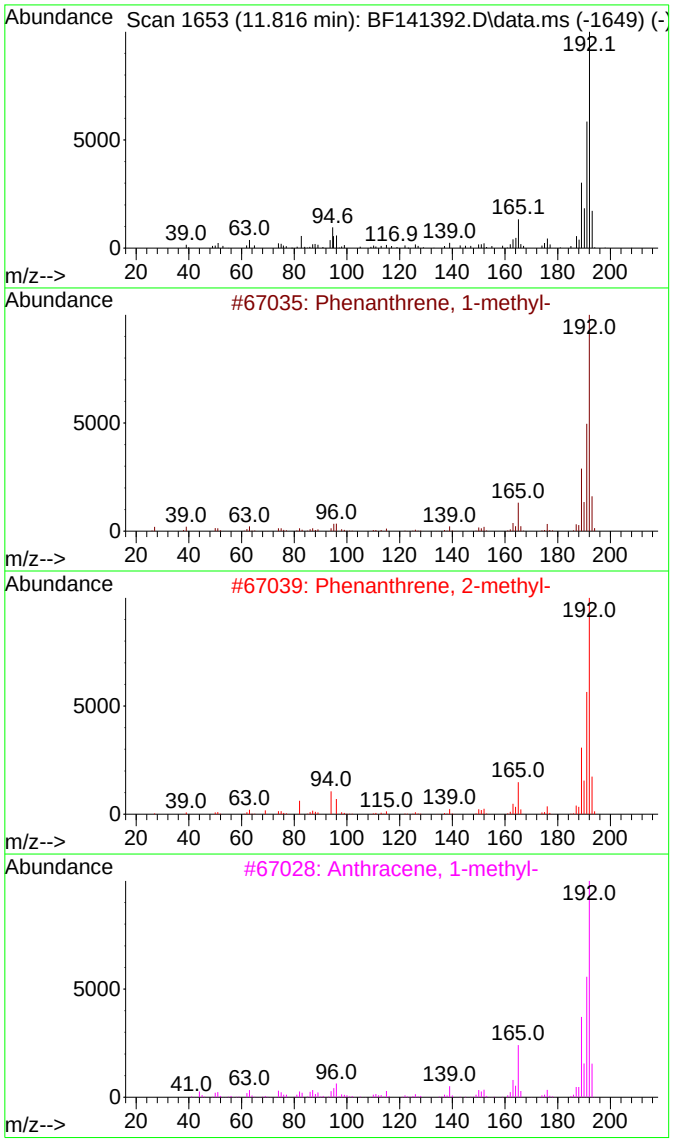
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TIC Integration Parameters: LSCINT.P

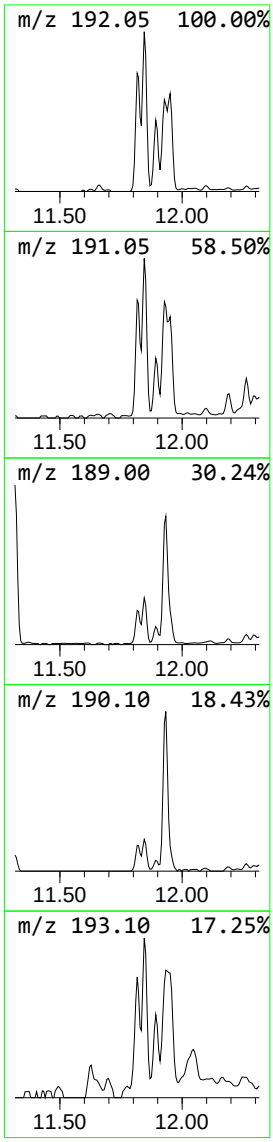
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Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.816 | 2.57 ng | 69858 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141392.D
Acq On : 04 Feb 2025 01:42
Operator : RC/JU
Sample : Q1216-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

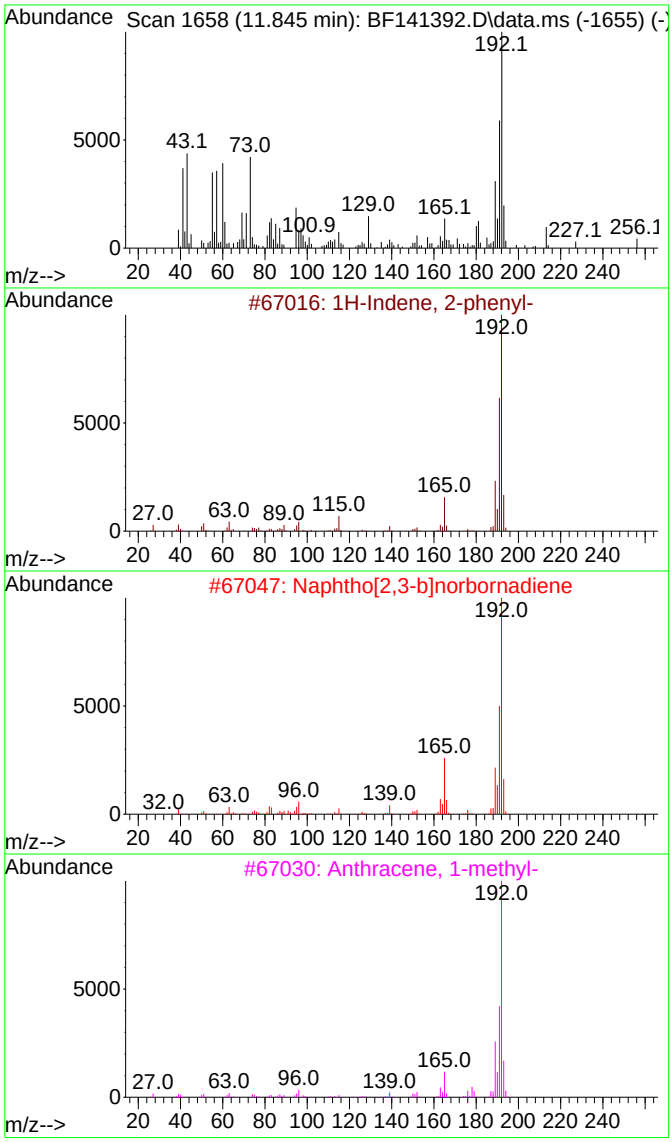
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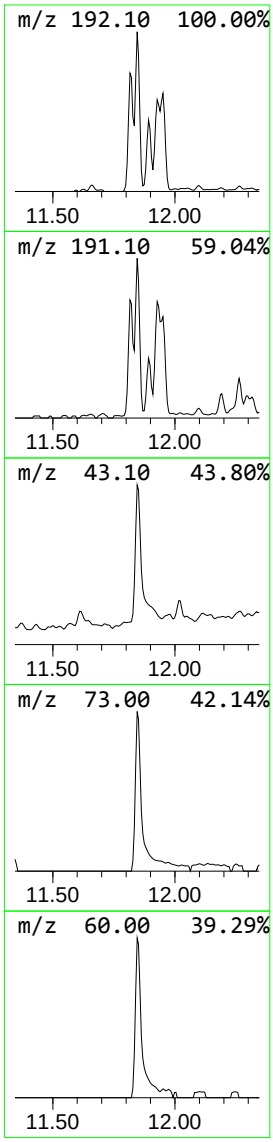
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Peak Number 3 1H-Indene, 2-phenyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.845 | 6.90 ng | 187564 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 90 |
| 2 | Naphtho[2,3-b]norbornadiene | 192 | C15H12 | 107426-38-0 | 90 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 78 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 78 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 78 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141392.D
Acq On : 04 Feb 2025 01:42
Operator : RC/JU
Sample : Q1216-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

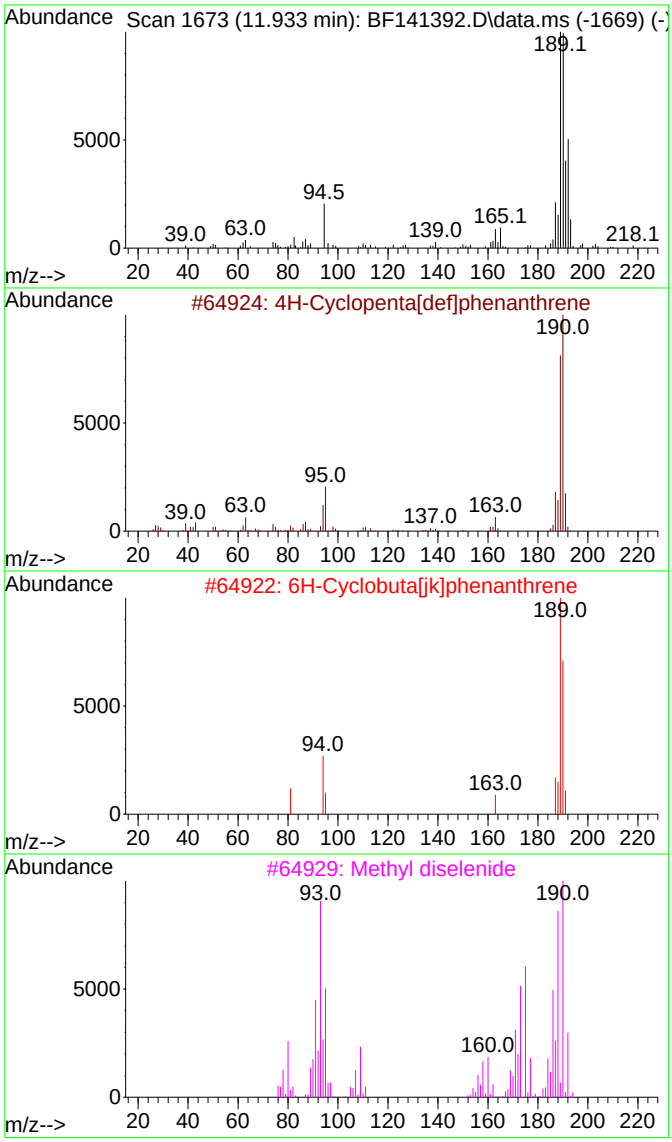
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

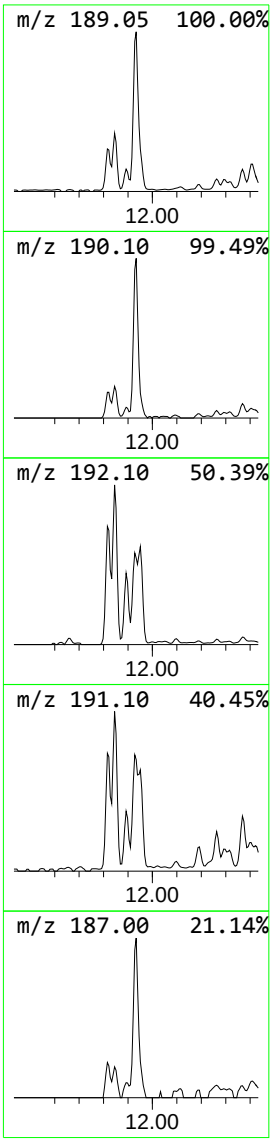
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.933 | 6.52 ng | 177228 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 60 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 50 |
| 3 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 45 |
| 4 | 2-Amino-4,6-dichloropyrimidine-5... | 191 | C5H3Cl2N3O | 005604-46-6 | 32 |
| 5 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141392.D
Acq On : 04 Feb 2025 01:42
Operator : RC/JU
Sample : Q1216-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

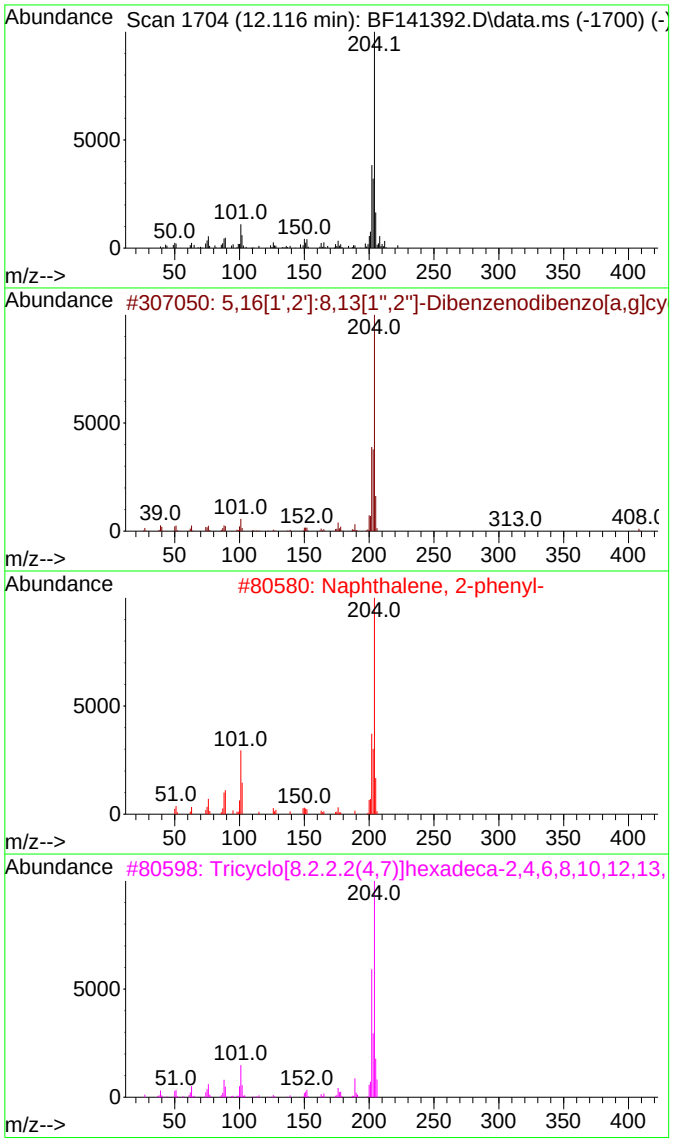
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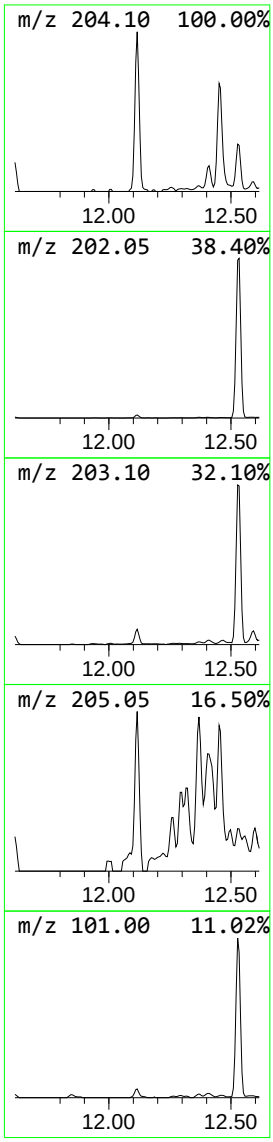
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Peak Number 5 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.116 | 2.12 ng | 57654 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 86 |
| 2 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 86 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 64 |
| 4 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 62 |
| 5 | 3,4-Biphenyldicarbonitrile | 204 | C14H8N2 | 004128-63-6 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141392.D
Acq On : 04 Feb 2025 01:42
Operator : RC/JU
Sample : Q1216-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

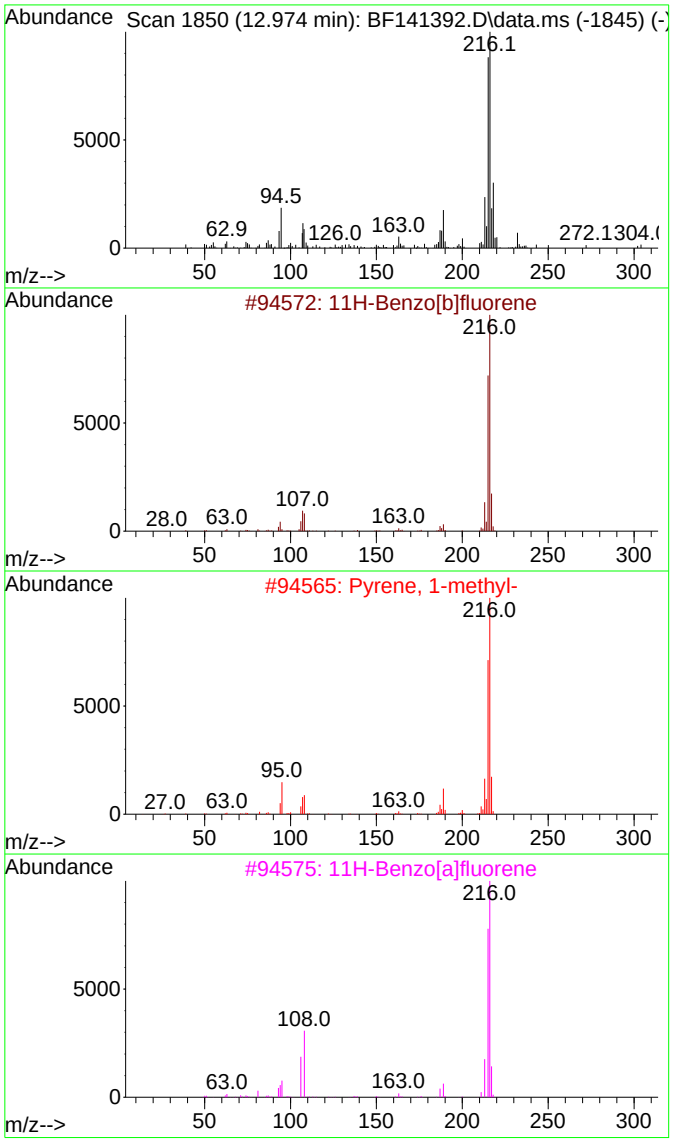
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

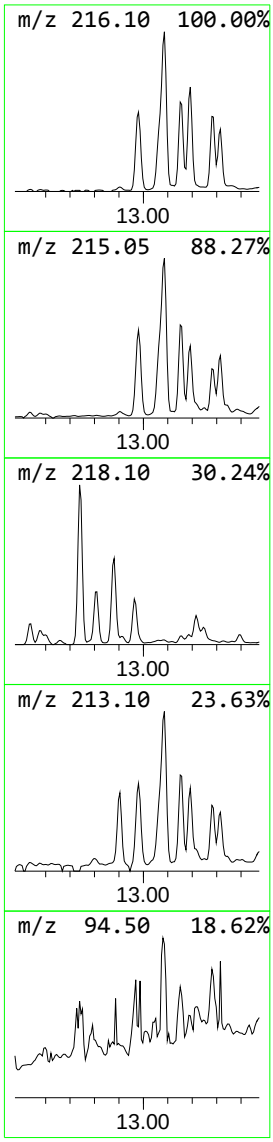
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Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.974 | 2.12 ng | 96313 | Chrysene-d12 | 13.957 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 87 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 72 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 64 |
| 5 | 1,3,5-Triazine-2,4,6-triamine, N... | 216 | C10H12N6 | 046731-79-7 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141392.D
Acq On : 04 Feb 2025 01:42
Operator : RC/JU
Sample : Q1216-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

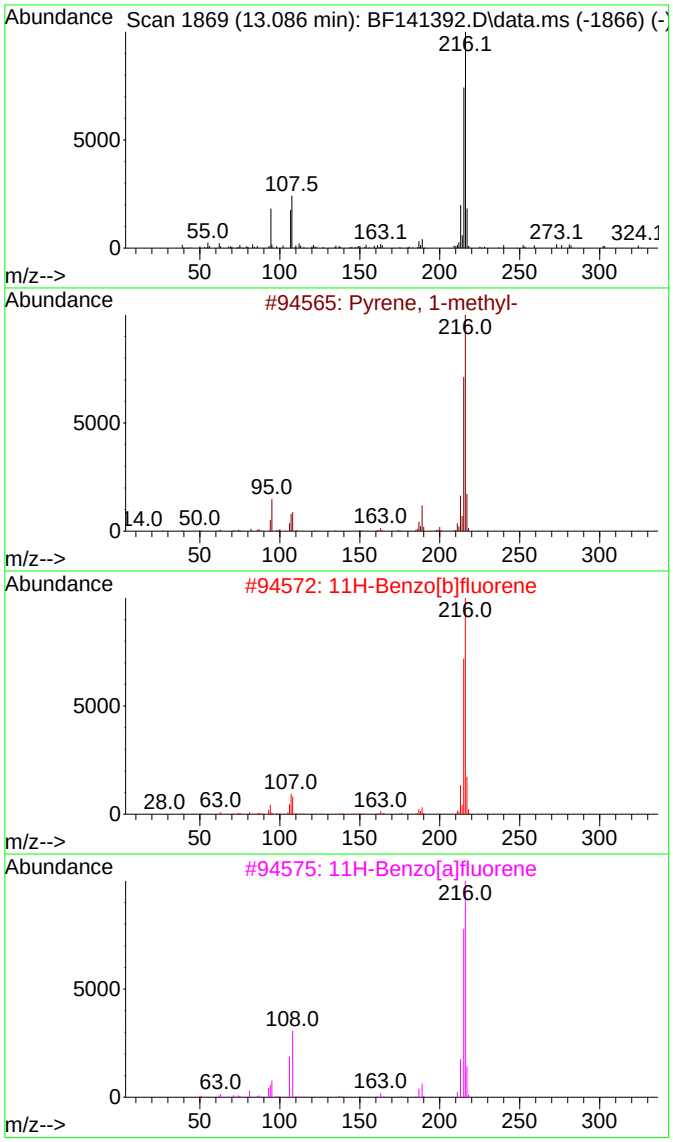
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

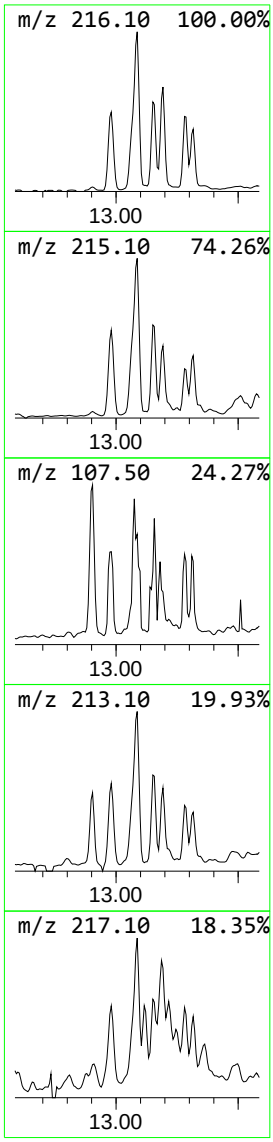
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Peak Number 7 Pyrene, 1-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.086 | 2.06 ng | 93812 | Chrysene-d12 | 13.957 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 72 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 68 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 59 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 53 |
| 5 | 1,3,5-Triazine-2,4,6-triamine, N... | 216 | C10H12N6 | 046731-79-7 | 52 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141392.D
Acq On : 04 Feb 2025 01:42
Operator : RC/JU
Sample : Q1216-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

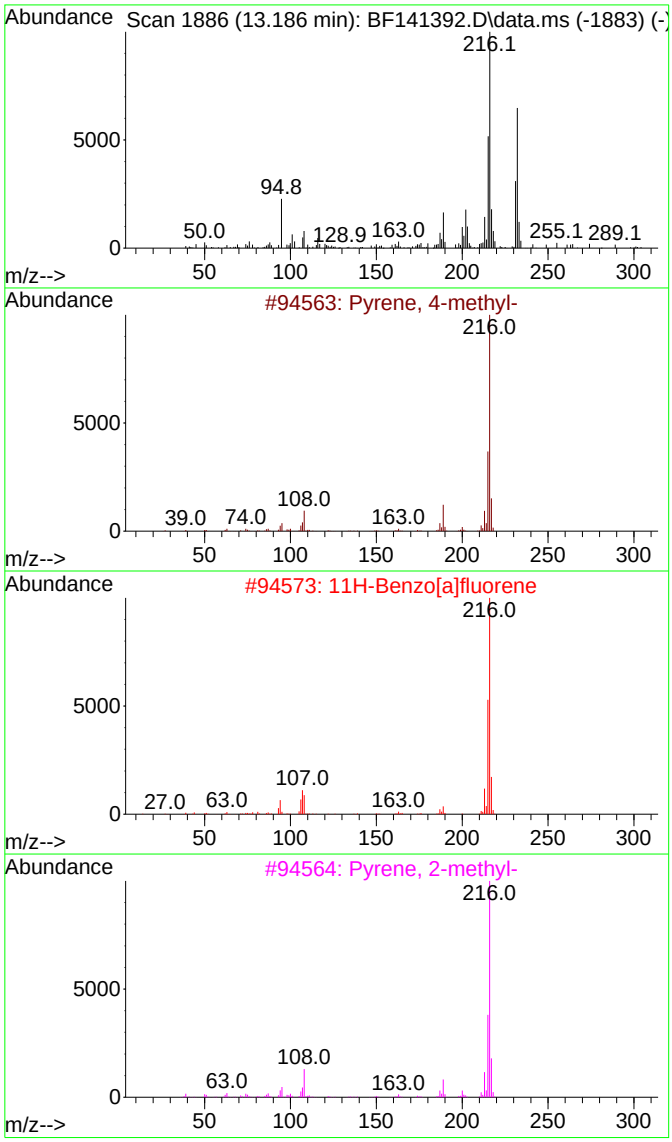
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

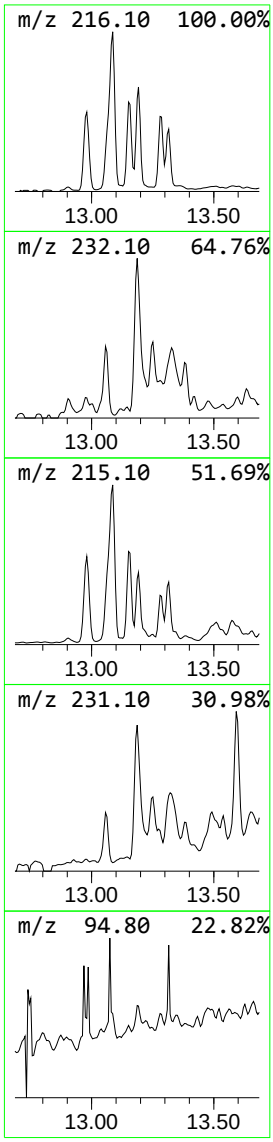
**********

Peak Number 8 Pyrene, 4-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.186 | 2.35 ng | 107144 | Chrysene-d12 | 13.957 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 60 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 60 |
| 3 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 60 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 53 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141392.D
Acq On : 04 Feb 2025 01:42
Operator : RC/JU
Sample : Q1216-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

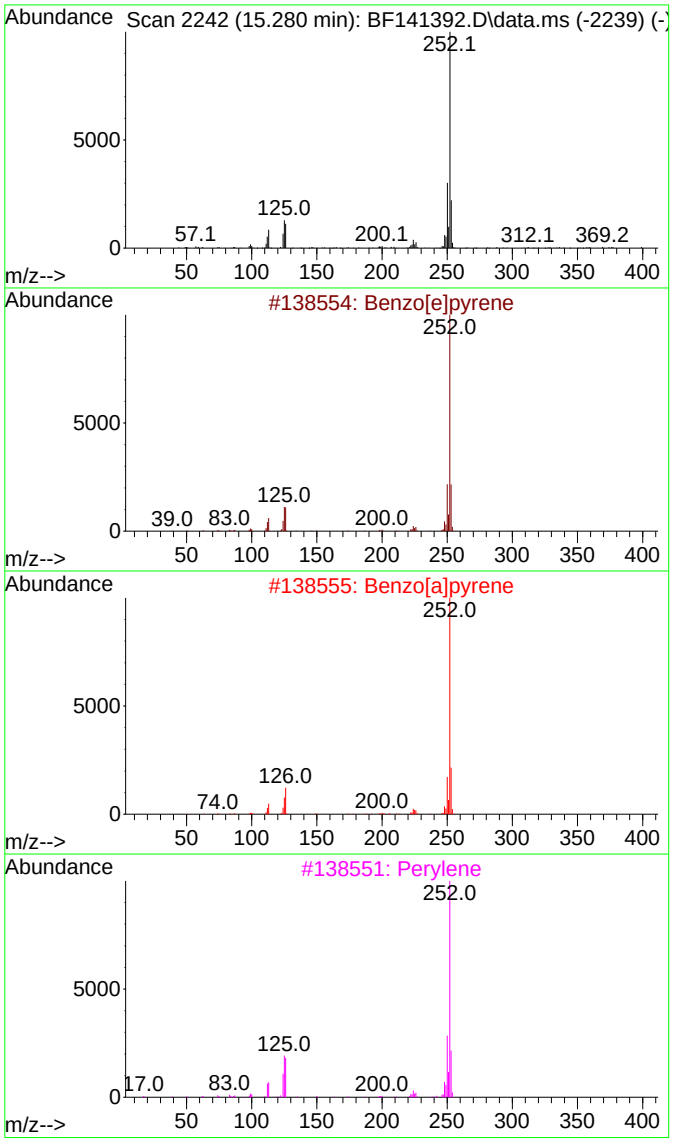
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

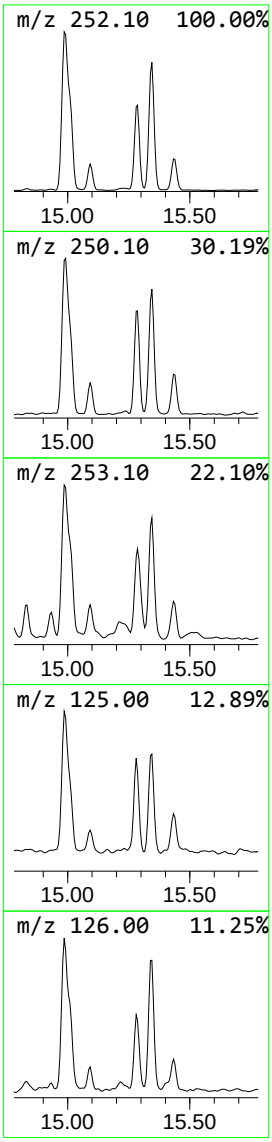
**********

Peak Number 9 Benzo[e]pyrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.280 | 11.05 ng | 165925 | Perylene-d12 | 15.404 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 99 |
| 2 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 96 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 94 |
| 4 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 93 |
| 5 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 93 |



Sample Results: **BF141392.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141392.D
Acq On : 04 Feb 2025 01:42
Operator : RC/JU
Sample : Q1216-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-21.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Benzophenone | 10.539 | 2.1 | ng | 63637 | 3 | 9.828 | 594552 | 20.0 |
| Phenanthrene, 1... | 11.816 | 2.6 | ng | 69858 | 4 | 11.316 | 544000 | 20.0 |
| 1H-Indene, 2-ph... | 11.845 | 6.9 | ng | 187564 | 4 | 11.316 | 544000 | 20.0 |
| 4H-Cyclopenta[d... | 11.933 | 6.5 | ng | 177228 | 4 | 11.316 | 544000 | 20.0 |
| 5,16[1',2']:8,1... | 12.116 | 2.1 | ng | 57654 | 4 | 11.316 | 544000 | 20.0 |
| 11H-Benzo[b]flu... | 12.974 | 2.1 | ng | 96313 | 5 | 13.957 | 910544 | 20.0 |
| Pyrene, 1-methyl- | 13.086 | 2.1 | ng | 93812 | 5 | 13.957 | 910544 | 20.0 |
| Pyrene, 4-methyl- | 13.186 | 2.4 | ng | 107144 | 5 | 13.957 | 910544 | 20.0 |
| Benzo[e]pyrene | 15.280 | 11.1 | ng | 165925 | 6 | 15.404 | 300283 | 20.0 |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-26.1-012825 | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-15 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 82.8 |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141520.D | 1 | 01/30/25 09:15 | 02/07/25 20:47 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 400 | U | 220 | 400 | ug/Kg |
| 108-95-2 | Phenol | 200 | U | 100 | 200 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 200 | U | 100 | 200 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 200 | U | 100 | 200 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 200 | U | 97.2 | 200 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 200 | U | 110 | 200 | ug/Kg |
| 98-86-2 | Acetophenone | 200 | U | 100 | 200 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 400 | U | 96.2 | 400 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 96.5 | U | 48.6 | 96.5 | ug/Kg |
| 67-72-1 | Hexachloroethane | 200 | U | 100 | 200 | ug/Kg |
| 98-95-3 | Nitrobenzene | 200 | U | 110 | 200 | ug/Kg |
| 78-59-1 | Isophorone | 200 | U | 100 | 200 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 200 | U | 110 | 200 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 200 | U | 110 | 200 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 200 | U | 100 | 200 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 200 | U | 91.0 | 200 | ug/Kg |
| 91-20-3 | Naphthalene | 200 | U | 99.6 | 200 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 200 | U | 99.6 | 200 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 200 | U | 100 | 200 | ug/Kg |
| 105-60-2 | Caprolactam | 400 | U | 100 | 400 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U | 93.4 | 200 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 200 | U | 99.5 | 200 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 400 | UQ | 190 | 400 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 200 | U | 86.1 | 200 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 200 | U | 89.2 | 200 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 200 | U | 110 | 200 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 200 | U | 100 | 200 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 200 | U | 110 | 200 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 200 | U | 98.5 | 200 | ug/Kg |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-26.1-012825 | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-15 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 82.8 |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141520.D | 1 | 01/30/25 09:15 | 02/07/25 20:47 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 200 | U | 100 | 200 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 200 | U | 100 | 200 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 200 | U | 110 | 200 | ug/Kg |
| 83-32-9 | Acenaphthene | 520 | | 97.8 | 200 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 400 | U | 290 | 400 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 400 | U | 140 | 400 | ug/Kg |
| 132-64-9 | Dibenzofuran | 160 | J | 100 | 200 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 200 | U | 100 | 200 | ug/Kg |
| 84-66-2 | Diethylphthalate | 200 | U | 96.6 | 200 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 200 | U | 100 | 200 | ug/Kg |
| 86-73-7 | Fluorene | 360 | | 100 | 200 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 200 | U | 130 | 200 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 400 | U | 140 | 400 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 200 | U | 98.4 | 200 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 200 | U | 95.1 | 200 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 200 | U | 100 | 200 | ug/Kg |
| 1912-24-9 | Atrazine | 200 | U | 110 | 200 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 400 | U | 93.2 | 400 | ug/Kg |
| 85-01-8 | Phenanthrene | 6500 | E | 100 | 200 | ug/Kg |
| 120-12-7 | Anthracene | 2000 | | 100 | 200 | ug/Kg |
| 86-74-8 | Carbazole | 200 | | 96.8 | 200 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 200 | U | 100 | 200 | ug/Kg |
| 206-44-0 | Fluoranthene | 13500 | E | 98.5 | 200 | ug/Kg |
| 129-00-0 | Pyrene | 15500 | E | 100 | 200 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 200 | U | 120 | 200 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 400 | UQ | 120 | 400 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 9700 | E | 97.3 | 200 | ug/Kg |
| 218-01-9 | Chrysene | 7400 | E | 95.9 | 200 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 150 | J | 110 | 200 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 400 | U | 130 | 400 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 9200 | E | 97.8 | 200 | ug/Kg |

Raw Data: **BF141520.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-26.1-012825 | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-15 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 82.8 |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141520.D | 1 | 01/30/25 09:15 | 02/07/25 20:47 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 3600 | E | 99.6 | 200 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 8300 | E | 110 | 200 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 4000 | E | 94.2 | 200 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 1200 | | 97.9 | 200 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 4500 | E | 96.6 | 200 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 200 | U | 100 | 200 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 200 | U | 130 | 200 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 200 | U | 90.1 | 200 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 99.3 | | 18 - 112 | 66% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 97.3 | | 15 - 107 | 65% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 69.1 | | 18 - 107 | 69% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 65.1 | | 20 - 109 | 65% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 86.5 | | 10 - 116 | 58% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 64.6 | | 10 - 105 | 65% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 71000 | 6.792 | | | |
| 1146-65-2 | Naphthalene-d8 | 270000 | 8.075 | | | |
| 15067-26-2 | Acenaphthene-d10 | 131000 | 9.828 | | | |
| 1517-22-2 | Phenanthrene-d10 | 198000 | 11.316 | | | |
| 1719-03-5 | Chrysene-d12 | 118000 | 13.974 | | | |
| 1520-96-3 | Perylene-d12 | 102000 | 15.433 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |
| 000581-40-8 | Naphthalene, 2,3-dimethyl- | 160 | J | | 9.49 | ug/Kg |
| 000829-26-5 | Naphthalene, 2,3,6-trimethyl- | 230 | J | | 10.2 | ug/Kg |
| 002320-32-3 | Benzene, [1-(2,4-cyclopentadien-1- | 270 | J | | 10.4 | ug/Kg |
| 000119-61-9 | Benzophenone | 440 | J | | 10.5 | ug/Kg |
| 002531-84-2 | Phenanthrene, 2-methyl- | 140 | J | | 11.8 | ug/Kg |
| 000832-69-9 | Phenanthrene, 1-methyl- | 200 | J | | 11.9 | ug/Kg |
| 000203-64-5 | 4H-Cyclopenta[def]phenanthrene | 380 | J | | 11.9 | ug/Kg |

Raw Data: **BF141520.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-26.1-012825 | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-15 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 82.8 |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141520.D | 1 | 01/30/25 09:15 | 02/07/25 20:47 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 000612-94-2 | Naphthalene, 2-phenyl- | 110 | J | | 12.1 | ug/Kg |
| 003674-66-6 | Phenanthrene, 2,5-dimethyl- | 140 | J | | 12.4 | ug/Kg |
| 005737-13-3 | Cyclopenta(def)phenanthrenone | 130 | J | | 12.5 | ug/Kg |
| 002381-21-7 | Pyrene, 1-methyl- | 190 | J | | 13.0 | ug/Kg |
| 033543-31-6 | Fluoranthene, 2-methyl- | 270 | J | | 13.1 | ug/Kg |
| 003442-78-2 | Pyrene, 2-methyl- | 240 | J | | 13.2 | ug/Kg |
| 000479-79-8 | 11H-Benzo[a]fluoren-11-one | 130 | J | | 13.6 | ug/Kg |
| 000239-35-0 | Benzo[b]naphtho[2,1-d]thiophene | 130 | J | | 13.7 | ug/Kg |
| | unknown13.745 | 120 | J | | 13.7 | ug/Kg |
| 027208-37-3 | Cyclopenta[cd]pyrene | 130 | J | | 13.8 | ug/Kg |
| 000477-75-8 | 9,10[1,2]-Benzenoanthracene, 9,1 | 1200 | J | | 14.8 | ug/Kg |
| 000192-97-2 | Benzo[e]pyrene | 2000 | J | | 15.1 | ug/Kg |
| 000198-55-0 | Perylene | 7300 | J | | 15.3 | ug/Kg |

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Quant Time: Feb 07 22:27:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

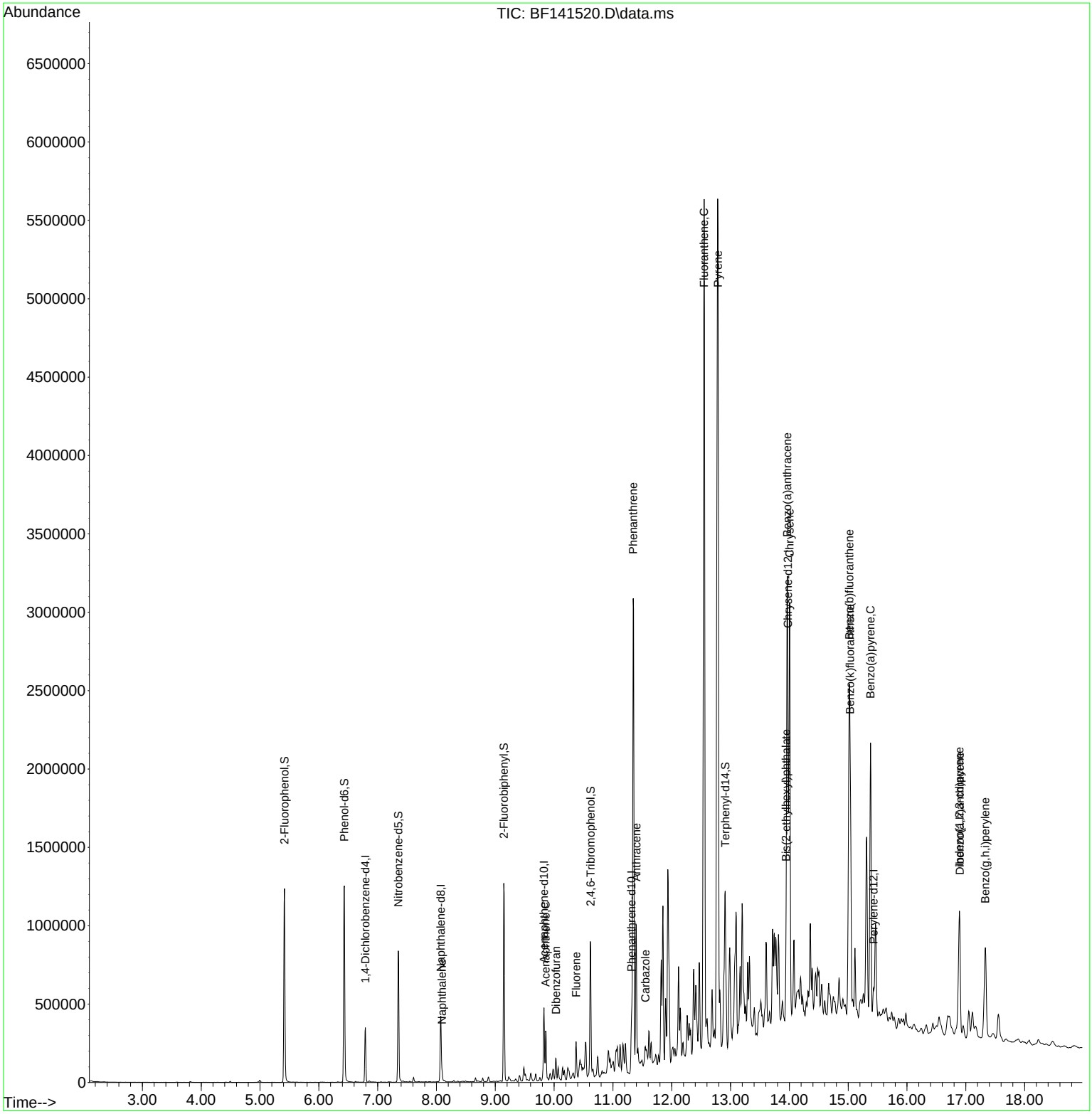
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.792 | 152 | 71035 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.075 | 136 | 270006 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.828 | 164 | 131111 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.316 | 188 | 197575 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.974 | 240 | 117908 | 20.000 | ng | 0.01 |
| 86) Perylene-d12 | 15.433 | 264 | 102212 | 20.000 | ng | # 0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.416 | 112 | 449871 | 99.287 | ng | 0.00 |
| 7) Phenol-d6 | 6.434 | 99 | 557176 | 97.292 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.351 | 82 | 357601 | 69.079 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.622 | 330 | 113961 | 86.526 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.145 | 172 | 553776 | 65.072 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.910 | 244 | 451046 | 64.579 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 31) Naphthalene | 8.092 | 128 | 34335 | 2.443 | ng | 99 |
| 52) Acenaphthene | 9.857 | 154 | 97856 | 13.019 | ng | 99 |
| 55) Dibenzofuran | 10.033 | 168 | 42590 | 3.860 | ng | # 92 |
| 58) Fluorene | 10.375 | 166 | 75430 | 8.843 | ng | # 96 |
| 71) Phenanthrene | 11.345 | 178 | 1772105 | 162.943 | ng | 99 |
| 72) Anthracene | 11.398 | 178 | 533944 | 48.839 | ng | 100 |
| 73) Carbazole | 11.551 | 167 | 48979 | 4.979 | ng | 92 |
| 75) Fluoranthene | 12.551 | 202 | 3866353 | 335.322 | ng | 97 |
| 78) Pyrene | 12.786 | 202 | 3872235 | 385.790 | ng | 97 |
| 81) Benzo(a)anthracene | 13.963 | 228 | 1894079 | 241.661 | ng | 96 |
| 83) Chrysene | 14.004 | 228 | 1323936 | 182.941 | ng | 96 |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149 | 14209 | 3.624 | ng | # 89 |
| 87) Indeno(1,2,3-cd)pyrene | 16.892 | 276 | 623795 | 98.771 | ng | 97 |
| 88) Benzo(b)fluoranthene | 15.021 | 252 | 1566982m | 228.322 | ng | |
| 89) Benzo(k)fluoranthene | 15.033 | 252 | 526532m | 89.845 | ng | |
| 90) Benzo(a)pyrene | 15.380 | 252 | 1146009 | 206.364 | ng | 96 |
| 91) Dibenzo(a,h)anthracene | 16.898 | 278 | 150760m | 29.460 | ng | |
| 92) Benzo(g,h,i)perylene | 17.333 | 276 | 595057 | 111.118 | ng | 98 |

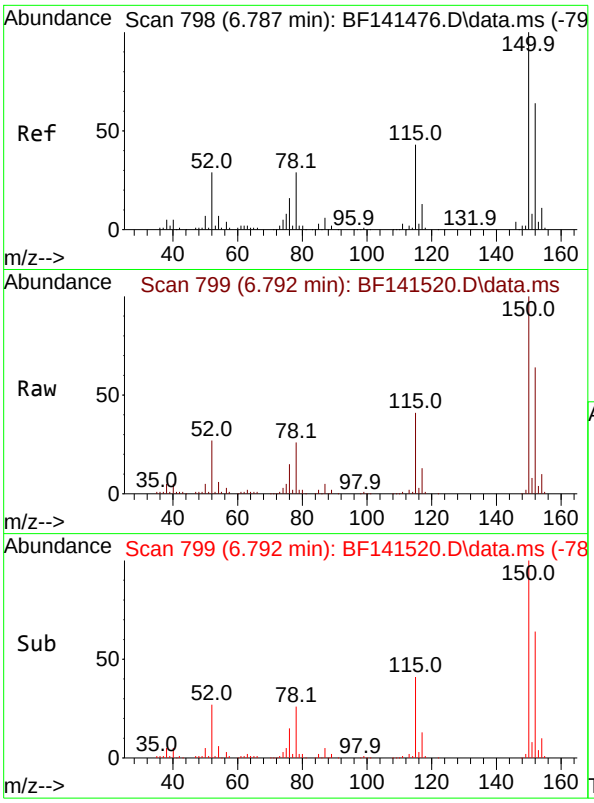
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Quant Time: Feb 07 22:27:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



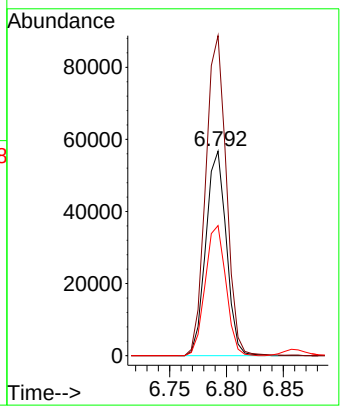


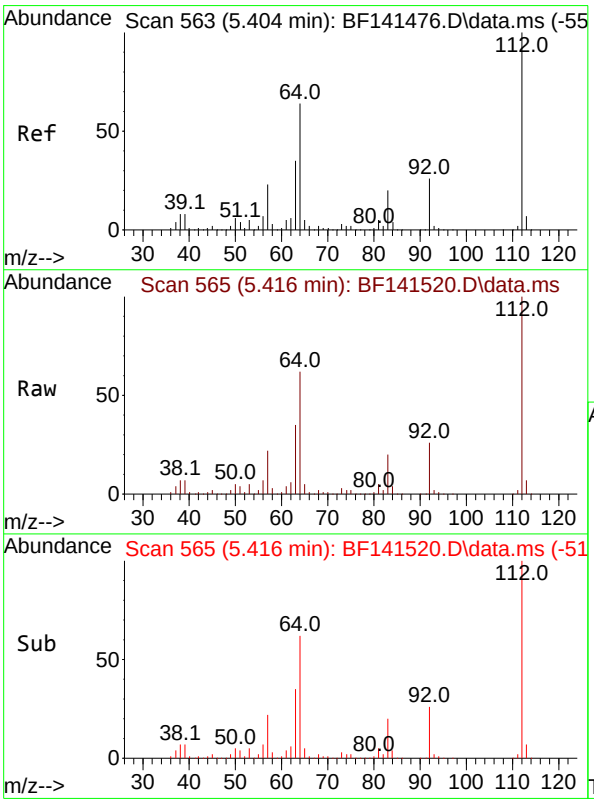

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Tgt Ion:152 Resp: 71035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.5 | 125.0 | 187.4 |
| 115 | 63.6 | 53.6 | 80.4 |

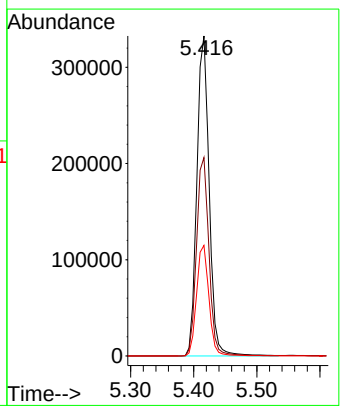


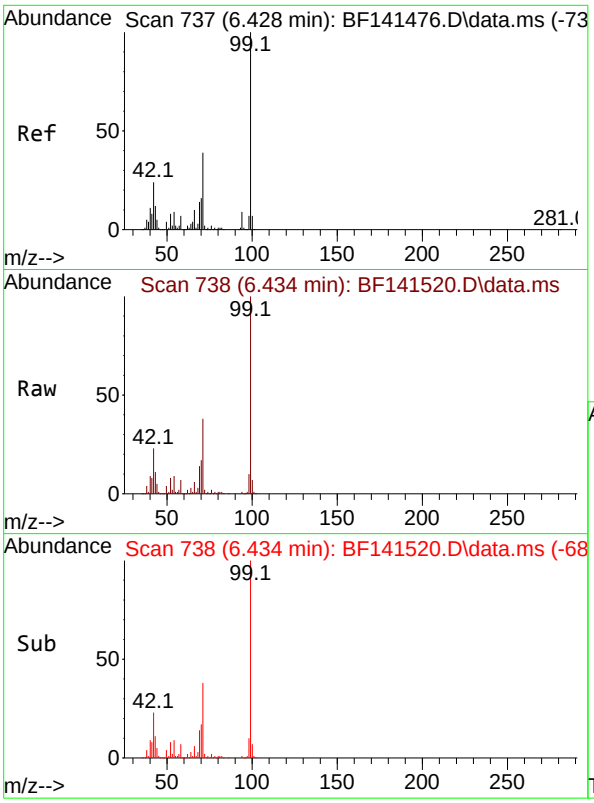




#5
2-Fluorophenol
Concen: 99.287 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:112 Resp: 449871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.0 | 51.1 | 76.7 |
| 63 | 34.5 | 28.4 | 42.6 |



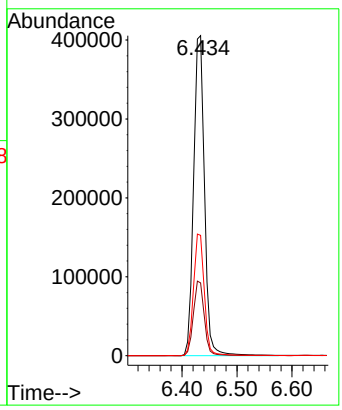


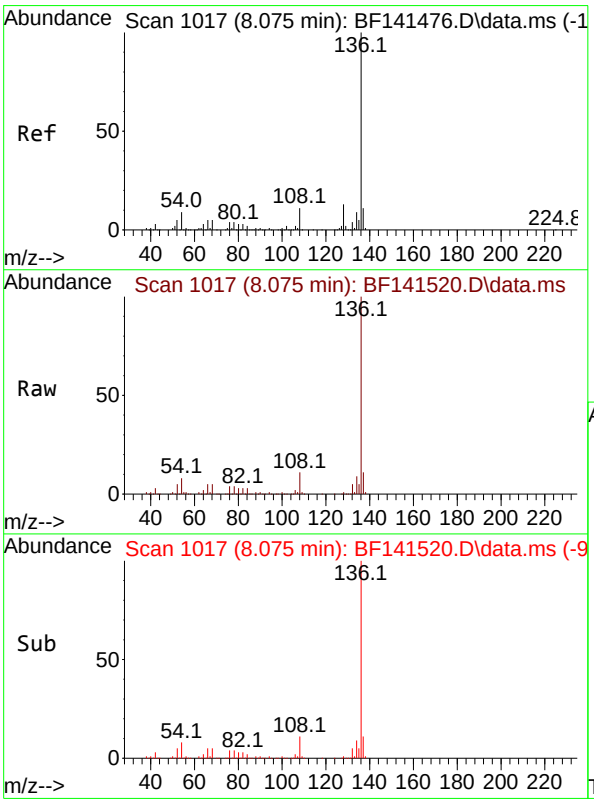

#7
Phenol-d6
Concen: 97.292 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Tgt Ion: 99 Resp: 557176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.8 | 19.1 | 28.7 |
| 71 | 37.6 | 31.1 | 46.7 |

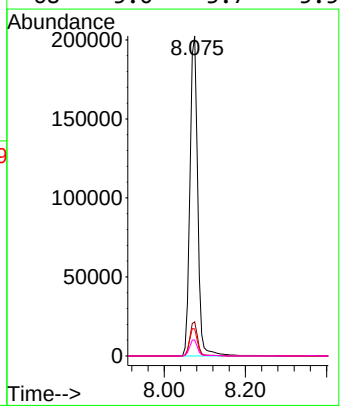


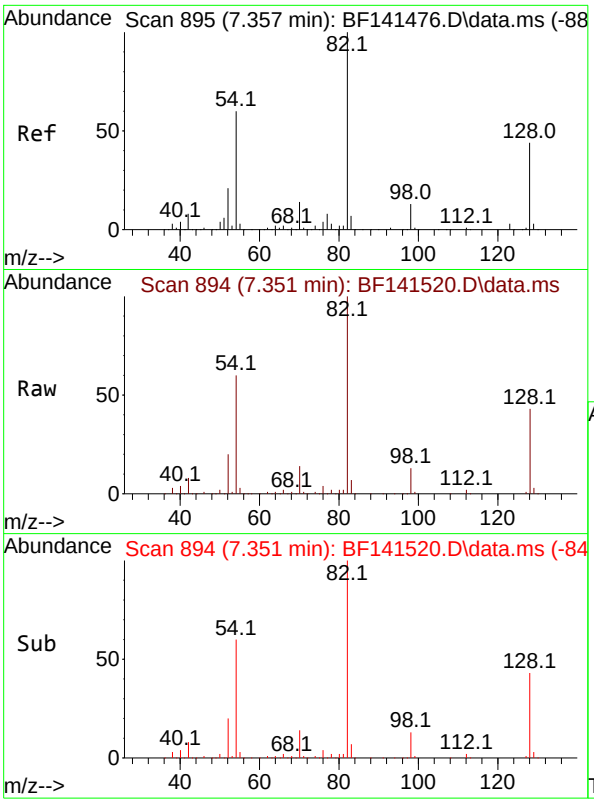




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:136 Resp: 270006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.6 | 13.0 |
| 54 | 8.4 | 7.2 | 10.8 |
| 68 | 5.0 | 3.7 | 5.5 |



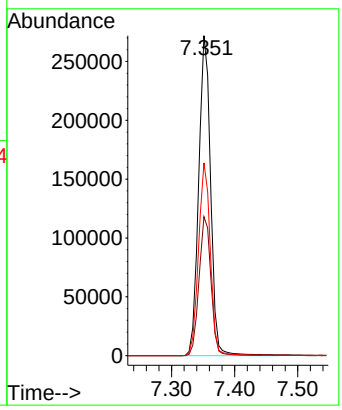


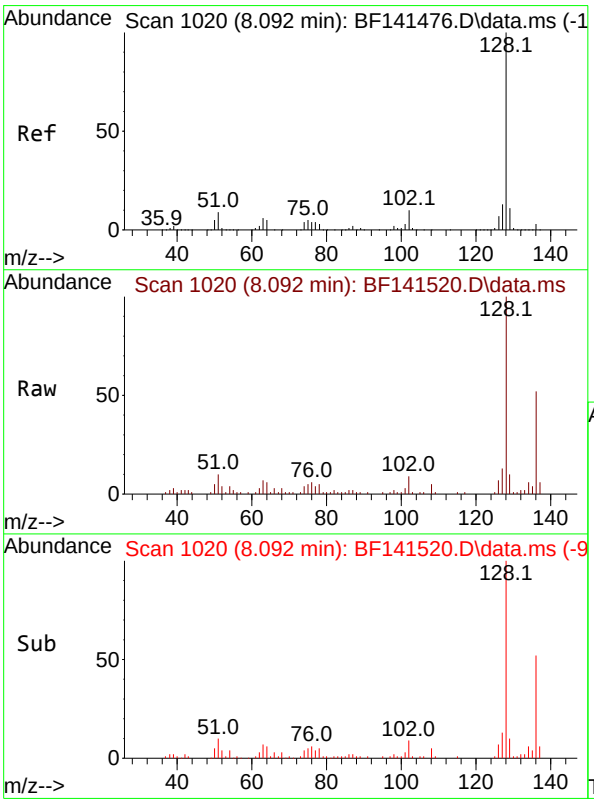

#23
Nitrobenzene-d5
Concen: 69.079 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Tgt Ion: 82 Resp: 357601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.4 | 34.8 | 52.2 |
| 54 | 60.3 | 48.2 | 72.4 |

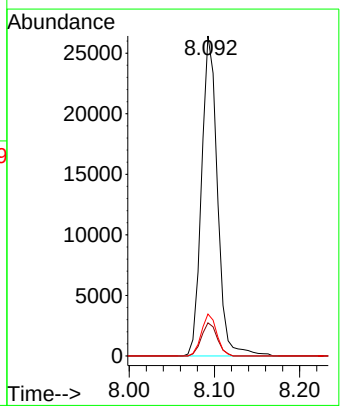


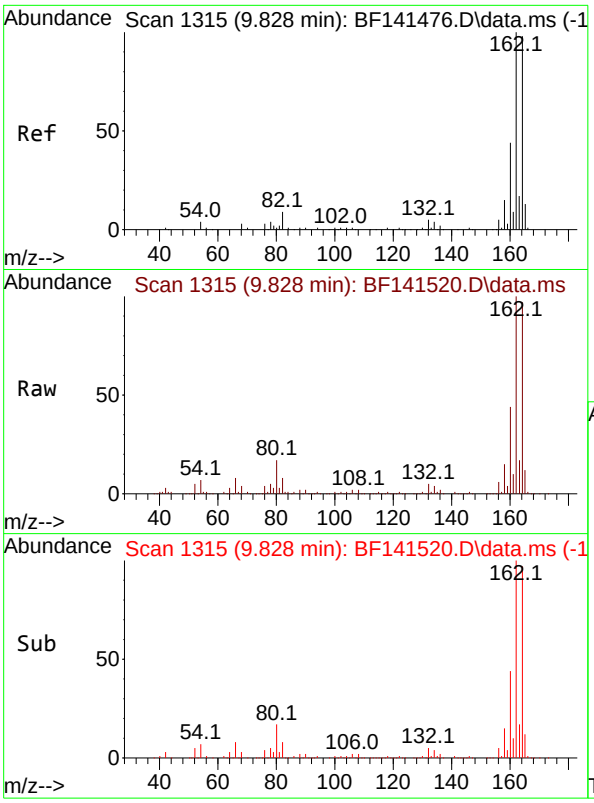




#31
Naphthalene
Concen: 2.443 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:128 Resp: 34335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.3 | 8.9 | 13.3 |
| 127 | 13.1 | 10.7 | 16.1 |



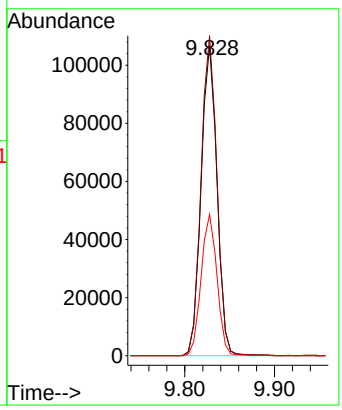


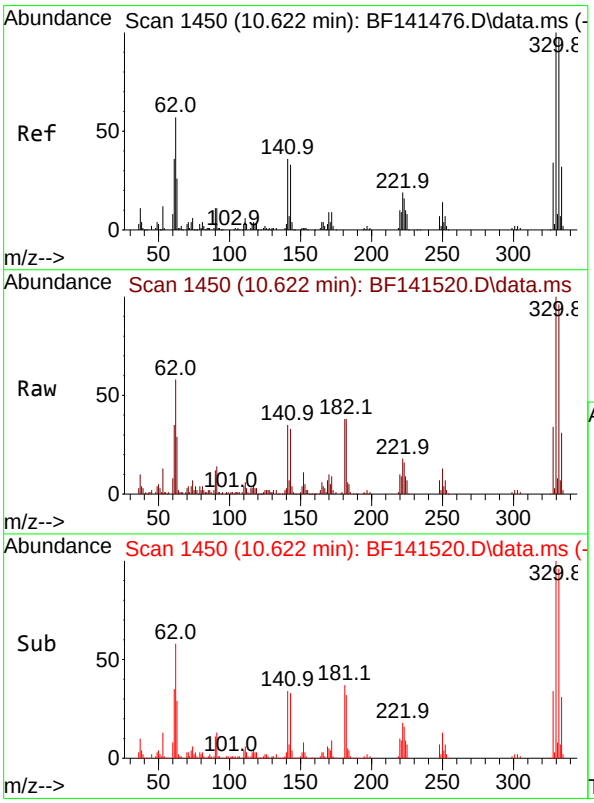

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Tgt Ion:164 Resp: 131111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.2 | 81.3 | 121.9 |
| 160 | 45.6 | 35.9 | 53.9 |

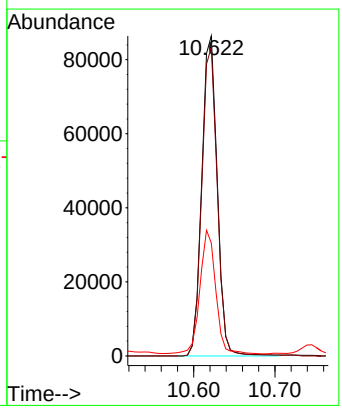


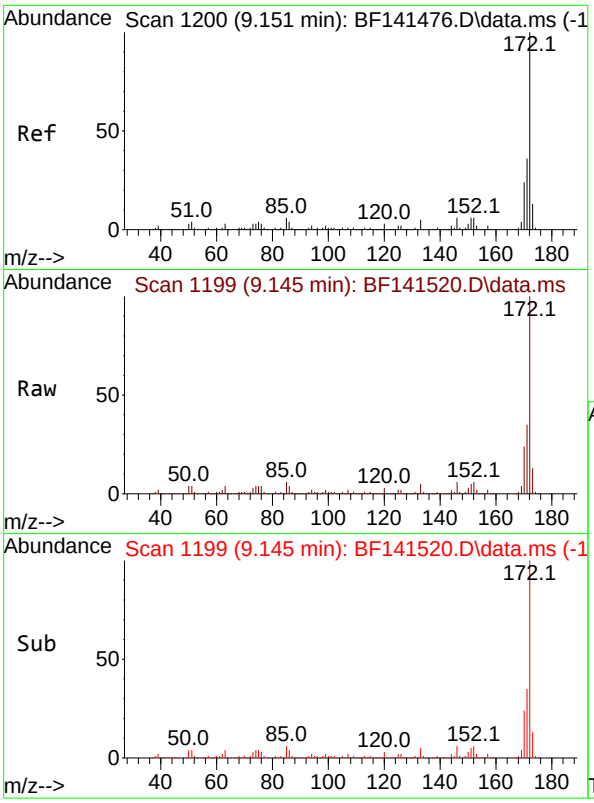




#42
2,4,6-Tribromophenol
Concen: 86.526 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:330 Resp: 113961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 78.5 | 117.7 |
| 141 | 39.7 | 31.0 | 46.4 |



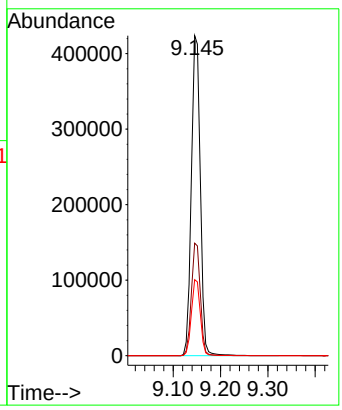


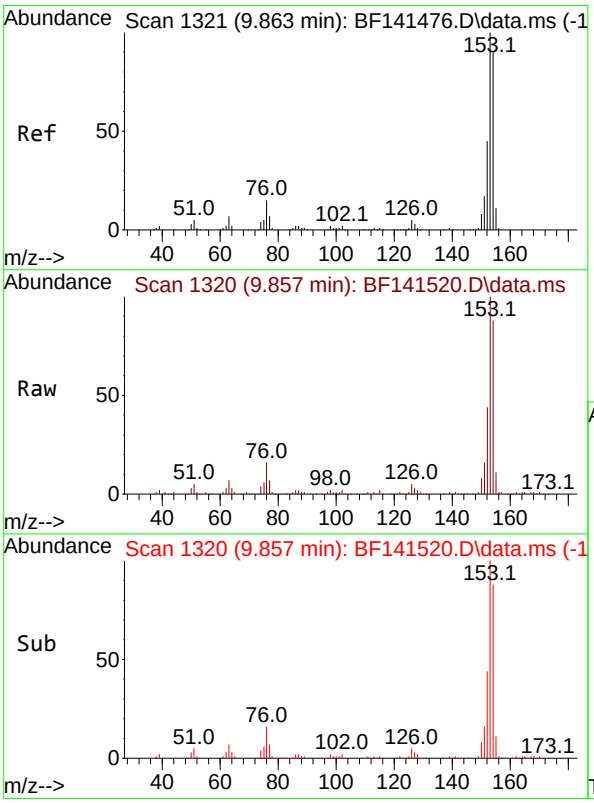

#45
2-Fluorobiphenyl
Concen: 65.072 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Tgt Ion:172 Resp: 553776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.7 | 43.1 |
| 170 | 23.8 | 18.9 | 28.3 |

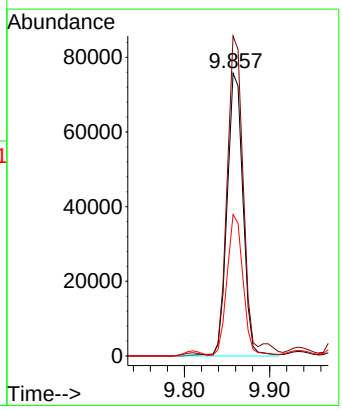


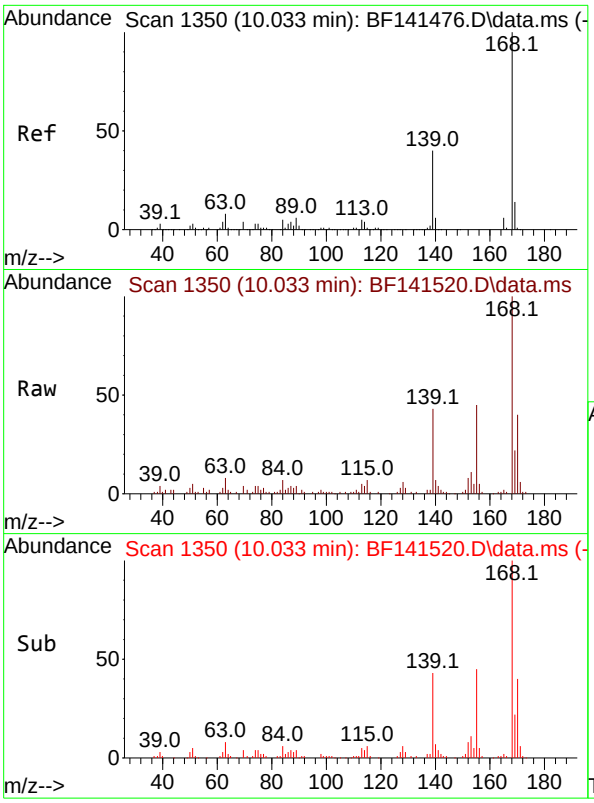




#52
Acenaphthene
Concen: 13.019 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:154 Resp: 97856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.2 | 89.2 | 133.8 |
| 152 | 50.0 | 39.8 | 59.8 |



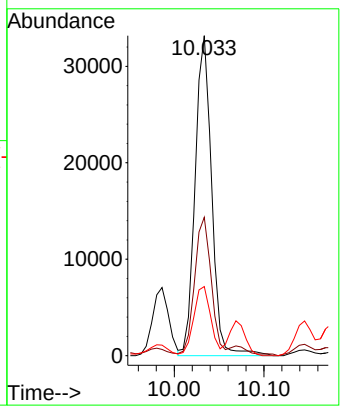


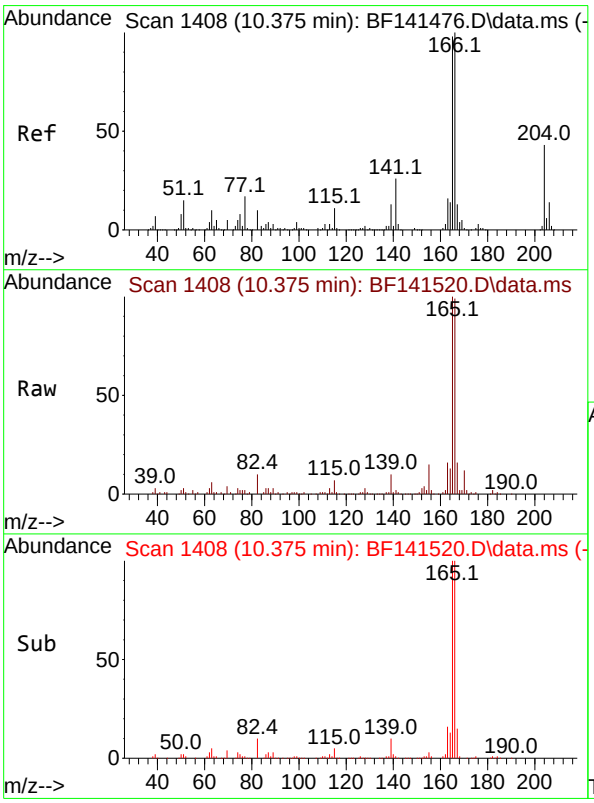

#55
Dibenzofuran
Concen: 3.860 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Tgt Ion:168 Resp: 42590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 43.3 | 32.7 | 49.1 |
| 169 | 21.6 | 10.8 | 16.2# |

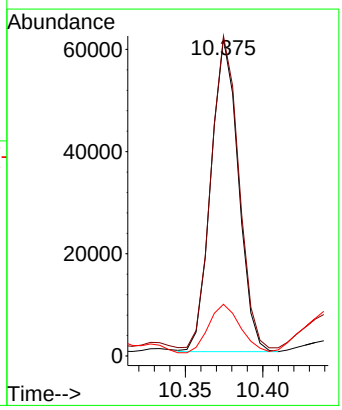


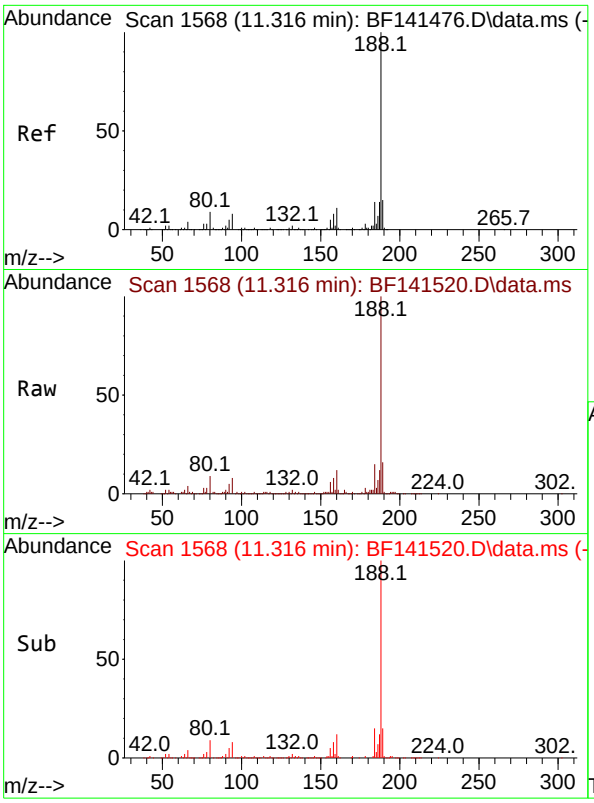




#58
Fluorene
Concen: 8.843 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:166 Resp: 75430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.9 | 78.2 | 117.2 |
| 167 | 16.3 | 10.7 | 16.1# |



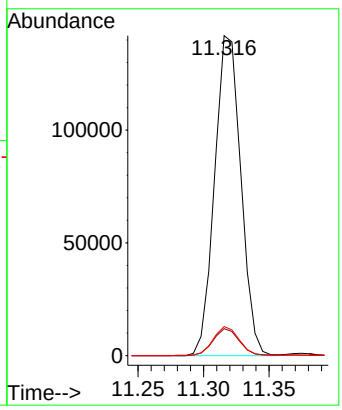


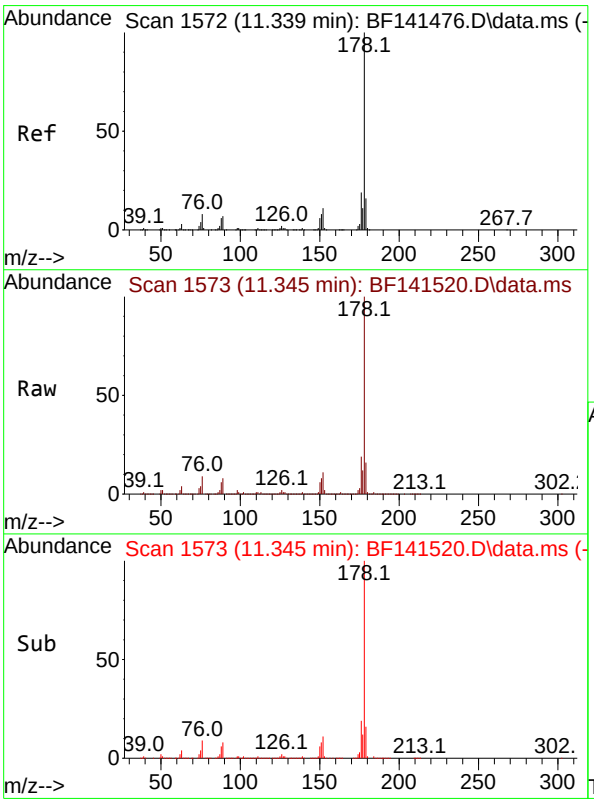

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Tgt Ion:188 Resp: 197575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 6.6 | 10.0 |
| 80 | 9.1 | 7.3 | 10.9 |

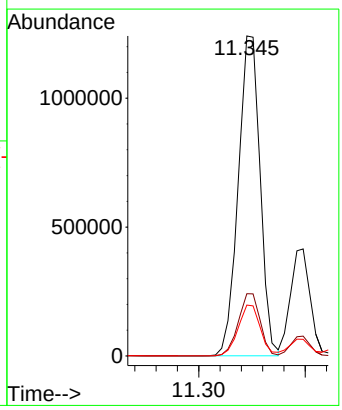


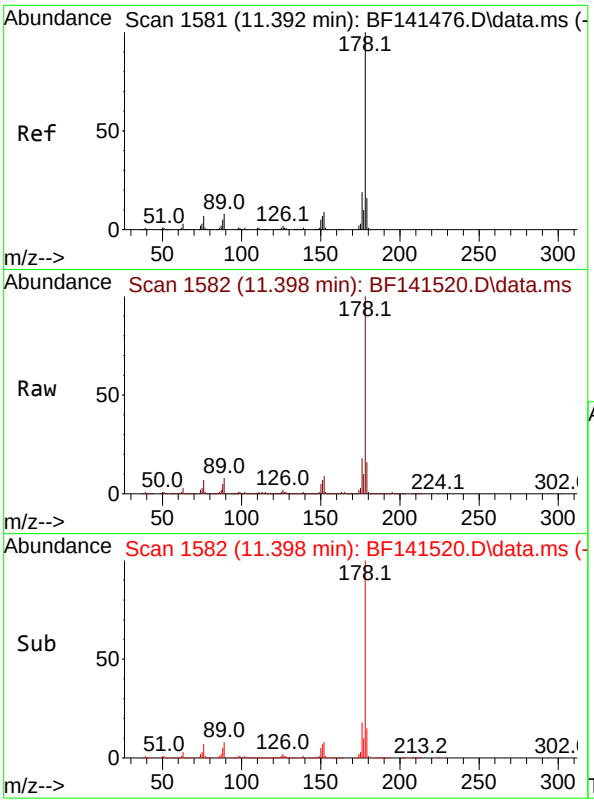




#71
Phenanthrene
Concen: 162.943 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:178 Resp: 1772105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.4 | 23.0 |
| 179 | 15.9 | 12.4 | 18.6 |



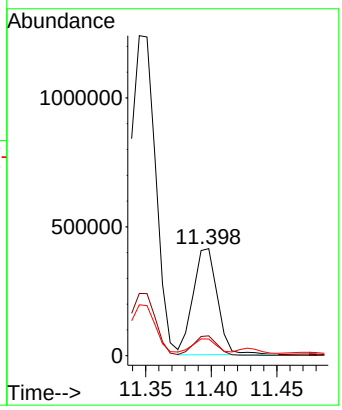


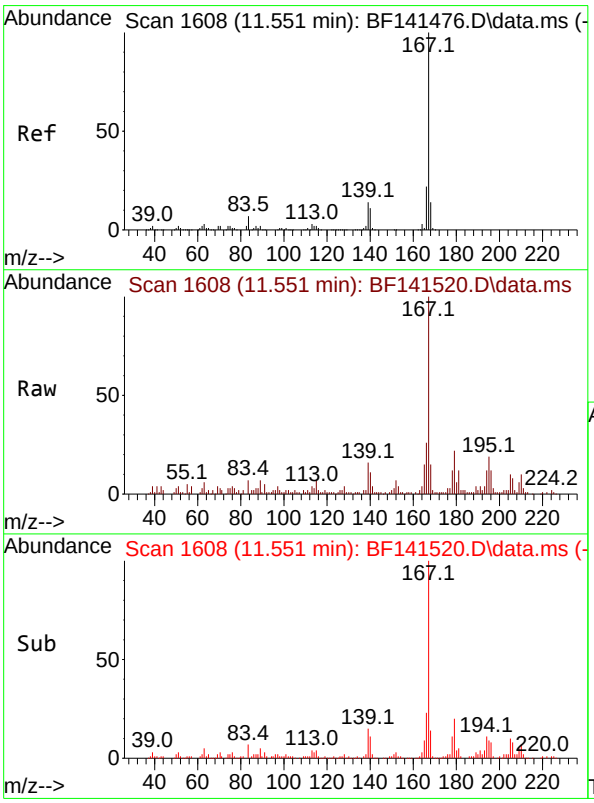

#72
Anthracene
Concen: 48.839 ng
RT: 11.398 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Tgt Ion:178 Resp: 533944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 14.8 | 22.2 |
| 179 | 15.5 | 12.4 | 18.6 |

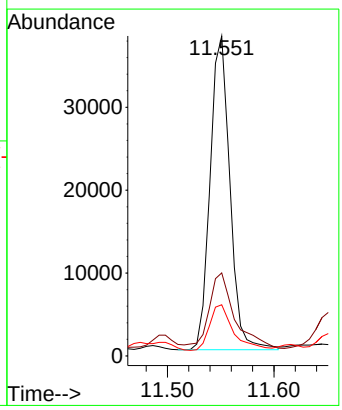


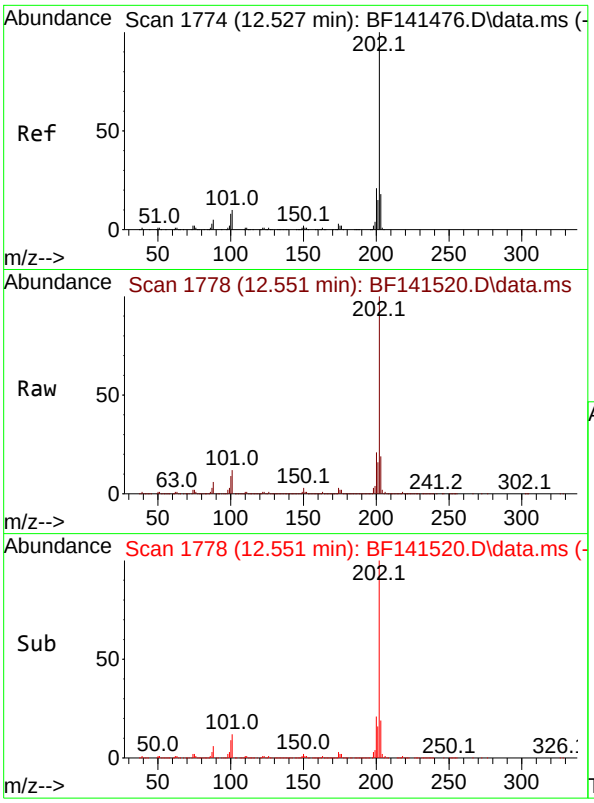




#73
Carbazole
Concen: 4.979 ng
RT: 11.551 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:167 Resp: 48979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 26.0 | 17.4 | 26.2 |
| 139 | 16.0 | 10.9 | 16.3 |



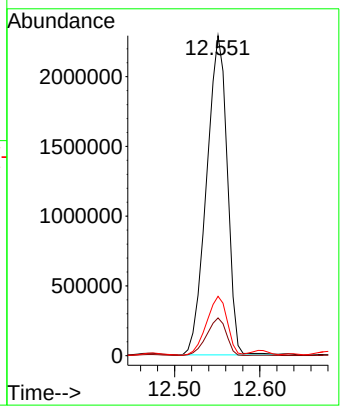


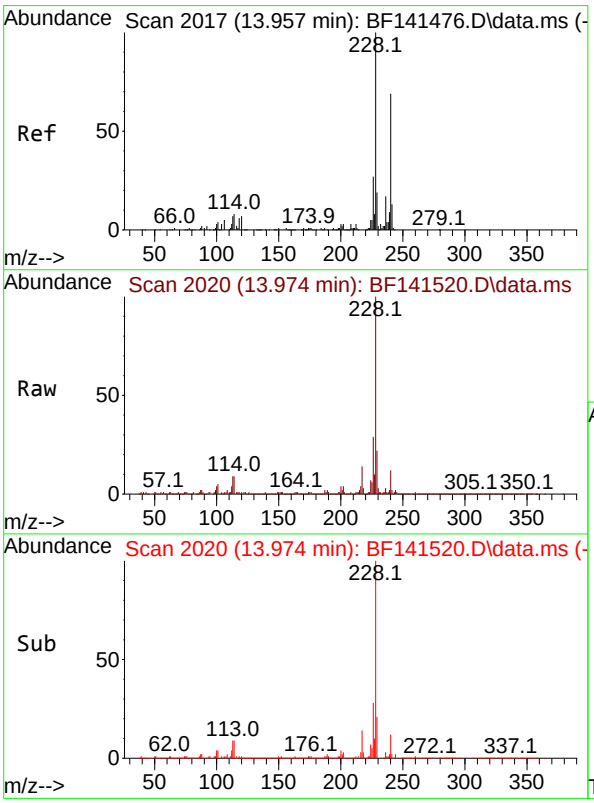

#75
Fluoranthene
Concen: 335.322 ng
RT: 12.551 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Tgt Ion:202 Resp: 3866353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.8 | 0.0 | 30.2 |
| 203 | 18.6 | 0.0 | 37.6 |

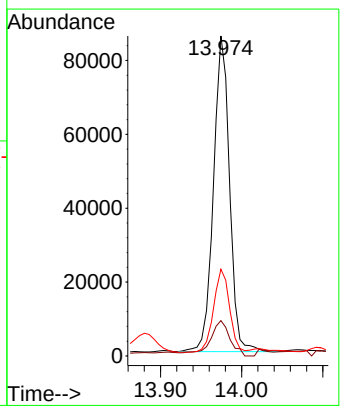


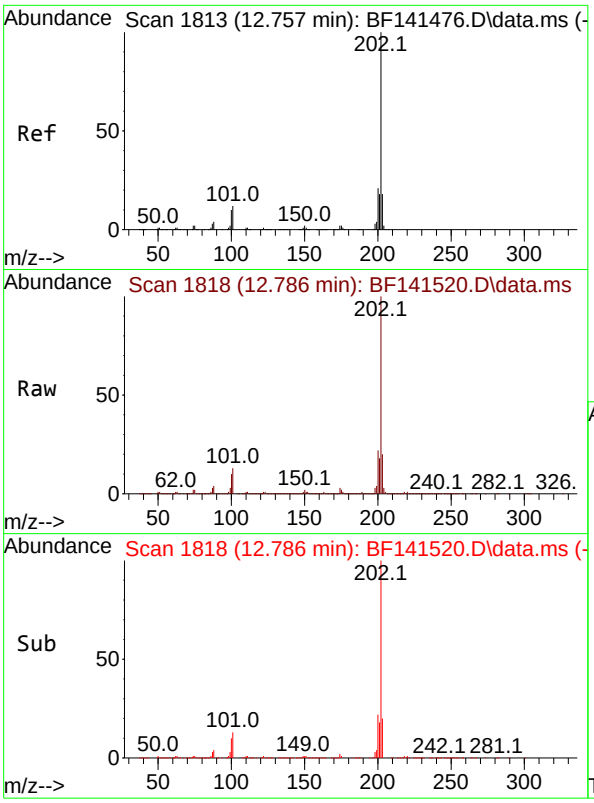




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.012 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:240 Resp: 117908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.1 | 8.0 | 12.0 |
| 236 | 27.1 | 19.8 | 29.8 |



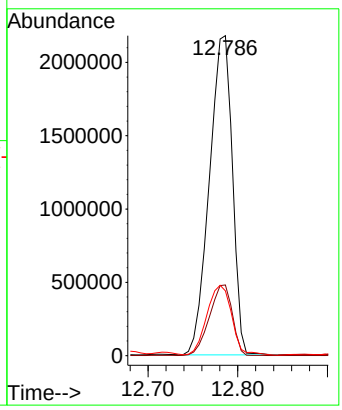


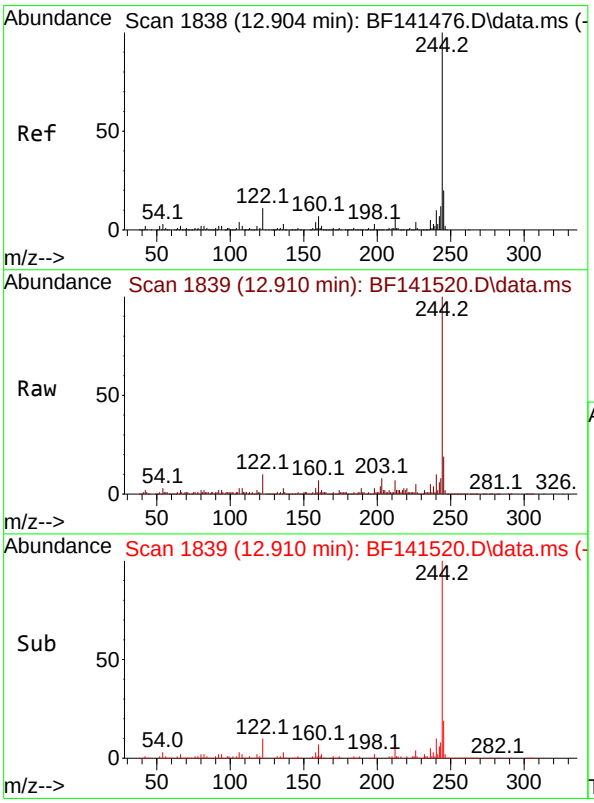

#78
Pyrene
Concen: 385.790 ng
RT: 12.786 min Scan# 1
Delta R.T. 0.024 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Tgt Ion:202 Resp: 3872235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.1 | 17.0 | 25.4 |
| 203 | 20.3 | 14.3 | 21.5 |

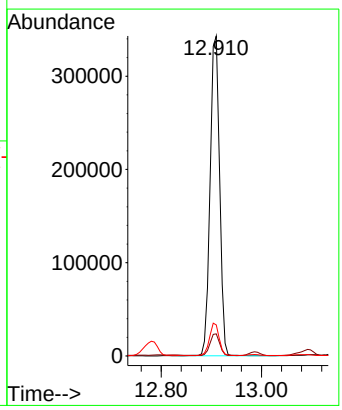


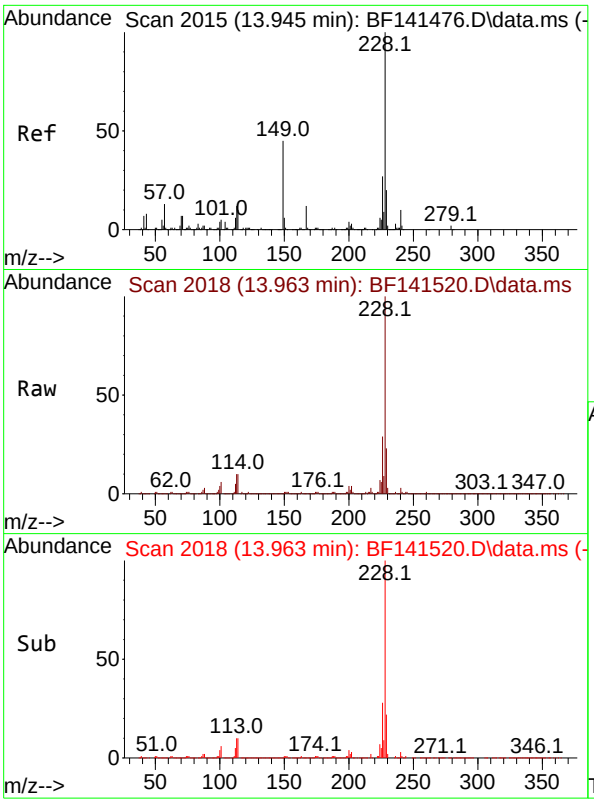




#79
Terphenyl-d14
Concen: 64.579 ng
RT: 12.910 min Scan# 1839
Delta R.T. 0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:244 Resp: 451046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.6 | 8.4 |
| 122 | 9.7 | 8.4 | 12.6 |



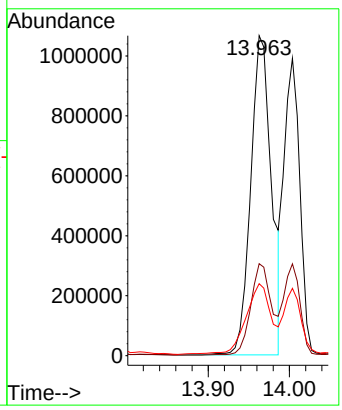


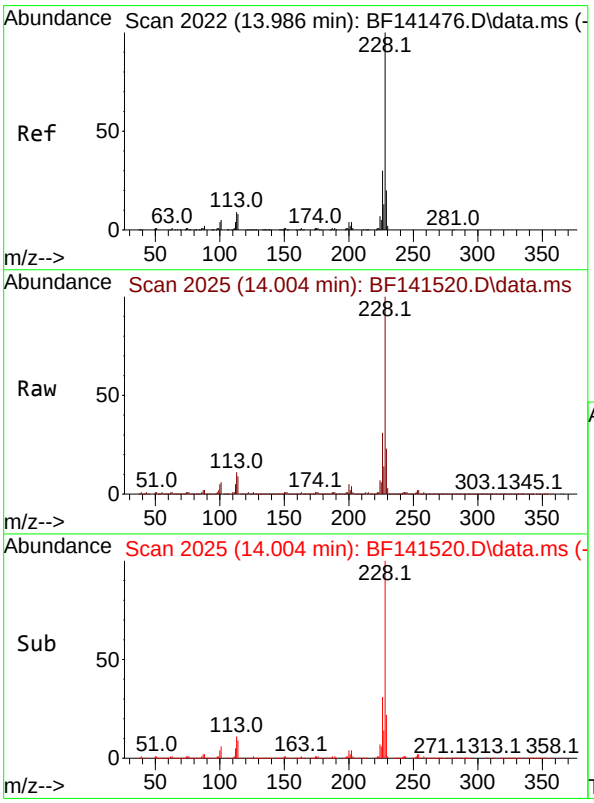

#81
Benzo(a)anthracene
Concen: 241.661 ng
RT: 13.963 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Tgt Ion:228 Resp: 1894079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.7 | 21.8 | 32.8 |
| 229 | 22.5 | 15.8 | 23.6 |

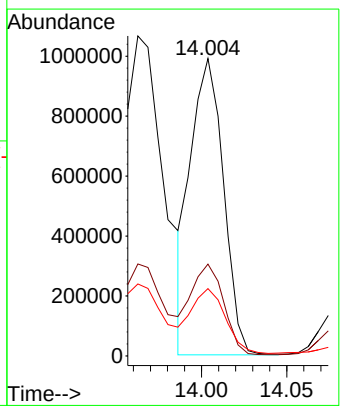


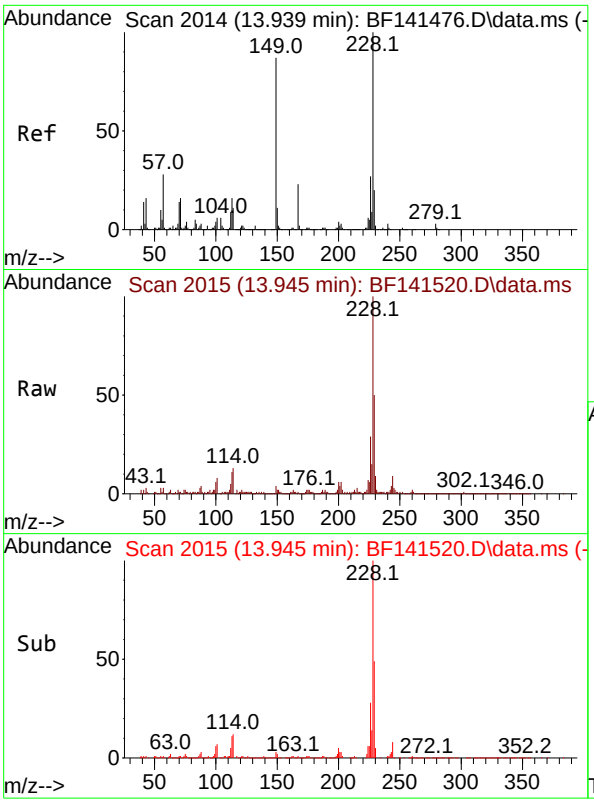




#83
Chrysene
Concen: 182.941 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.012 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:228 Resp: 1323936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.9 | 24.0 | 36.0 |
| 229 | 22.6 | 15.7 | 23.5 |



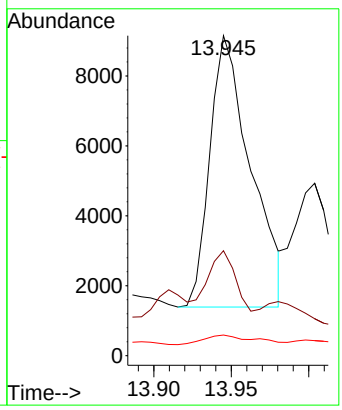


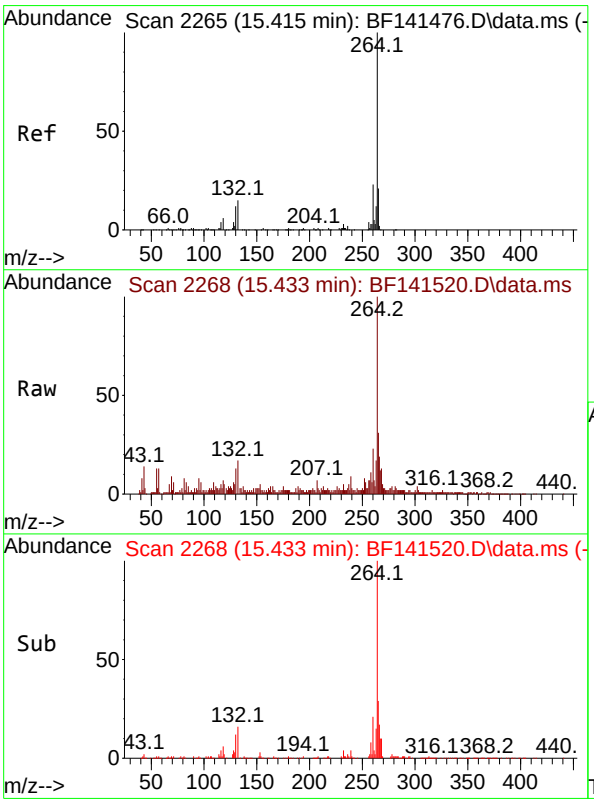

#84
Bis(2-ethylhexyl)phthalate
Concen: 3.624 ng
RT: 13.945 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Tgt Ion:149 Resp: 14209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 32.8 | 21.4 | 32.0# |
| 279 | 6.4 | 3.1 | 4.7# |

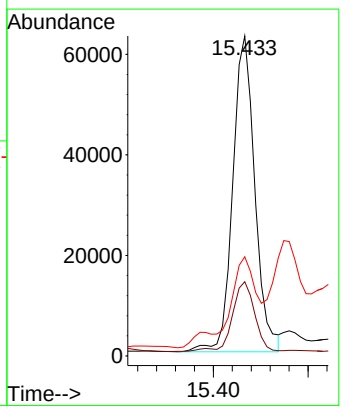


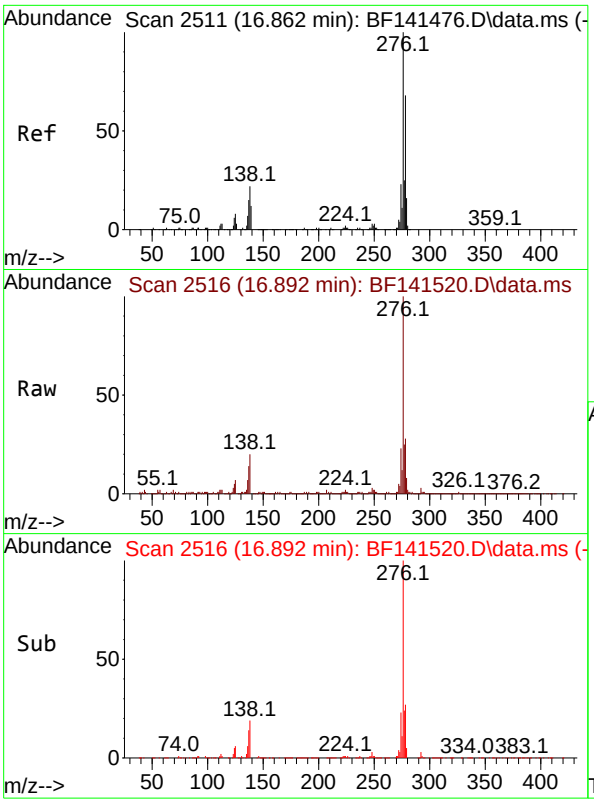




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. 0.018 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:264 Resp: 102212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.6 | 28.0 |
| 265 | 31.0 | 17.0 | 25.4# |



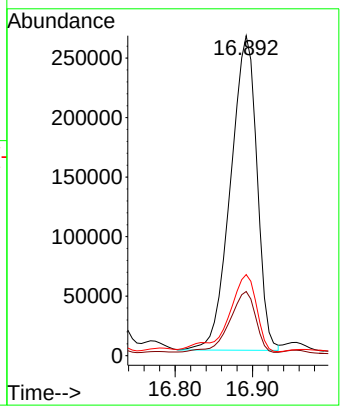


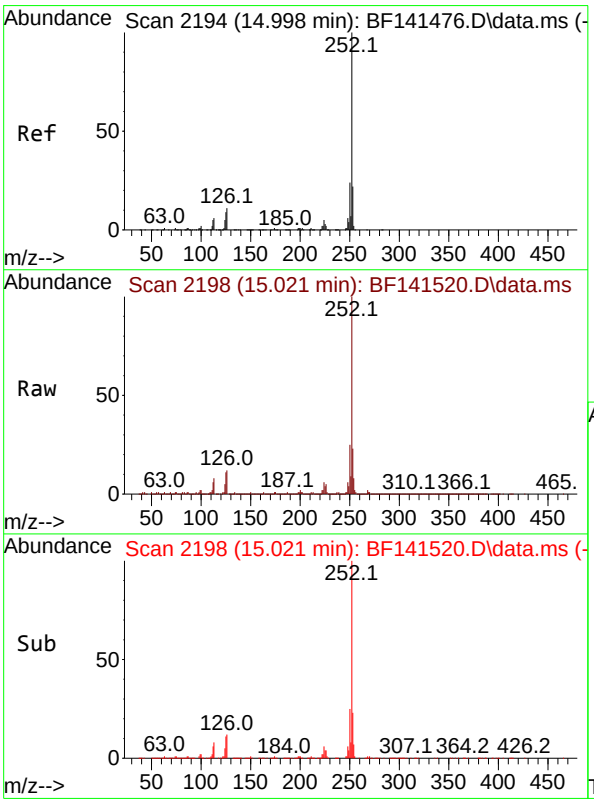

#87
Indeno(1,2,3-cd)pyrene
Concen: 98.771 ng
RT: 16.892 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Tgt Ion:276 Resp: 623795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.8 | 18.0 | 27.0 |
| 277 | 26.5 | 20.4 | 30.6 |

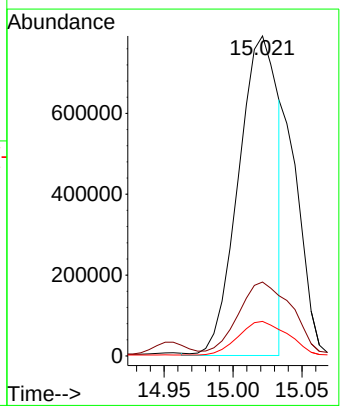


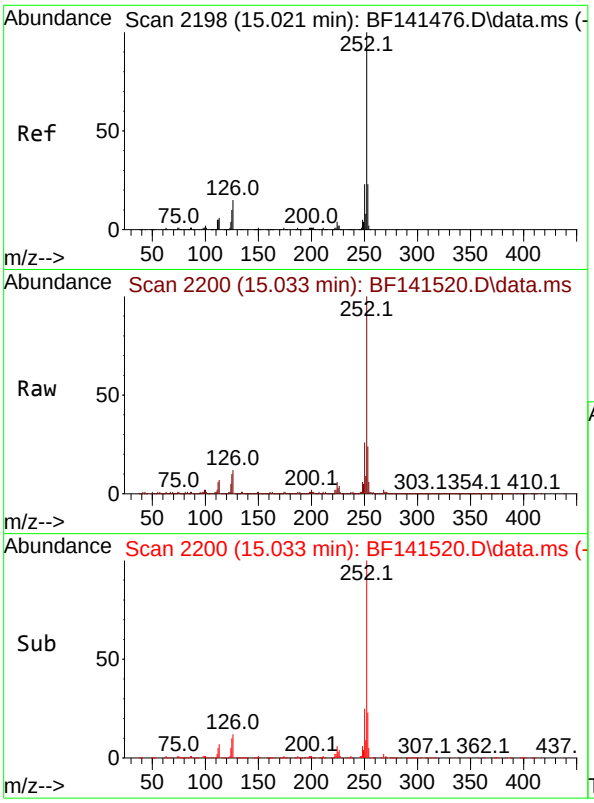




#88
Benzo(b)fluoranthene
Concen: 228.322 ng m
RT: 15.021 min Scan# 2198
Delta R.T. 0.018 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:252 Resp: 1566982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 17.5 | 26.3 |
| 125 | 10.8 | 7.0 | 10.6# |



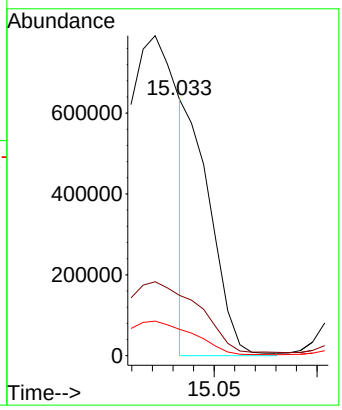


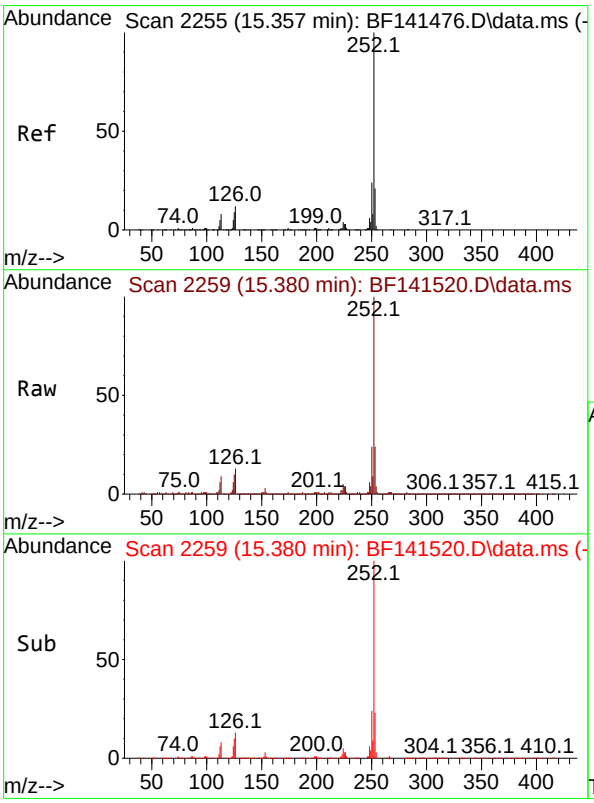

#89
Benzo(k)fluoranthene
Concen: 89.845 ng m
RT: 15.033 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Tgt Ion:252 Resp: 526532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 18.0 | 27.0 |
| 125 | 10.3 | 7.4 | 11.0 |

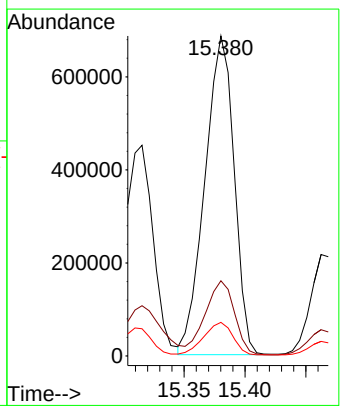


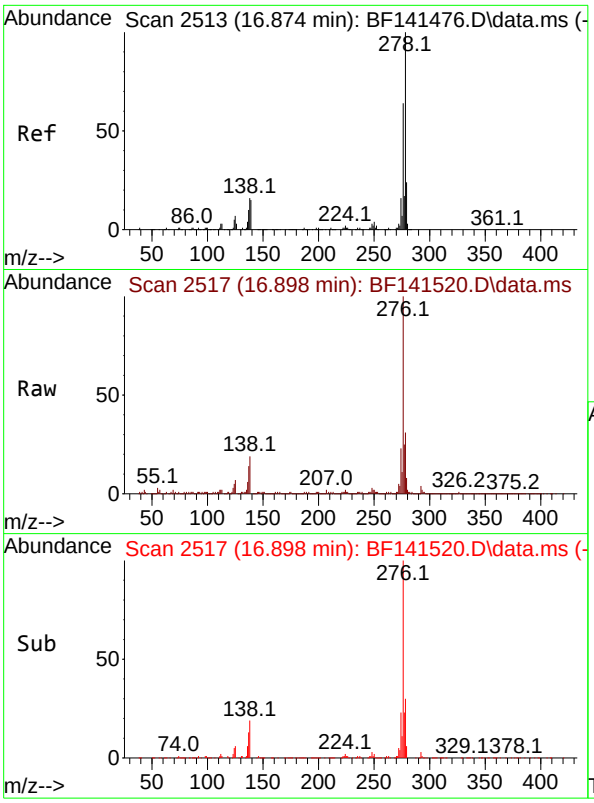




#90
Benzo(a)pyrene
Concen: 206.364 ng
RT: 15.380 min Scan# 2259
Delta R.T. 0.018 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:252 Resp: 1146009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 17.1 | 25.7 |
| 125 | 10.5 | 7.4 | 11.2 |



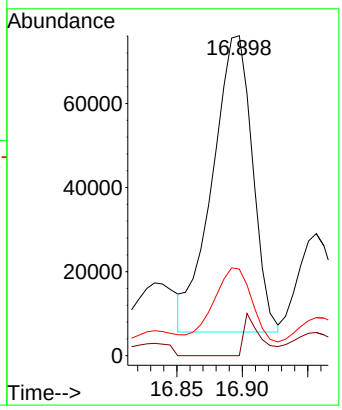


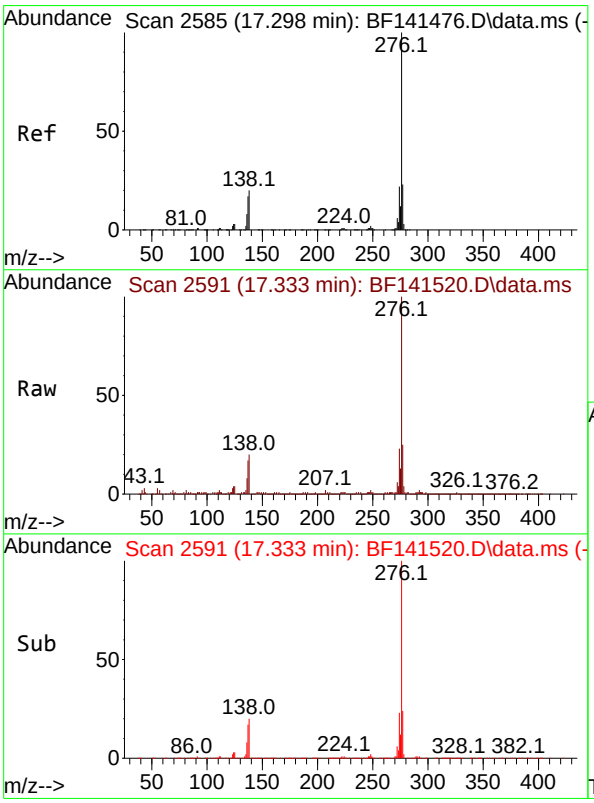

#91
Dibenzo(a,h)anthracene
Concen: 29.460 ng m
RT: 16.898 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Tgt Ion:278 Resp: 150760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 0.0 | 11.8 | 17.6# |
| 279 | 27.0 | 19.1 | 28.7 |

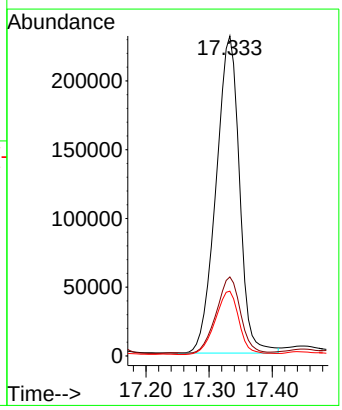



#92
Benzo(g,h,i)perylene
Concen: 111.118 ng
RT: 17.333 min Scan# 2591
Delta R.T. 0.018 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:276 Resp: 595057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.7 | 18.6 | 28.0 |
| 138 | 20.3 | 15.9 | 23.9 |



Sample Results: **BF141520.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141520.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.416 | 559 | 565 | 585 | rVB | 1234025 | 1667046 | 16.17% | 1.882% |
| 2 | 6.434 | 732 | 738 | 755 | rBV | 1252356 | 1743480 | 16.91% | 1.968% |
| 3 | 6.792 | 794 | 799 | 806 | rBV | 347876 | 440542 | 4.27% | 0.497% |
| 4 | 7.351 | 888 | 894 | 899 | rBV | 836255 | 1082976 | 10.51% | 1.223% |
| 5 | 8.075 | 1010 | 1017 | 1025 | rBV2 | 419391 | 638597 | 6.19% | 0.721% |
| 6 | 9.145 | 1194 | 1199 | 1208 | rBV | 1264812 | 1627727 | 15.79% | 1.838% |
| 7 | 9.486 | 1252 | 1257 | 1260 | rBV | 86388 | 124669 | 1.21% | 0.141% |
| 8 | 9.828 | 1307 | 1315 | 1318 | rBV | 465310 | 634798 | 6.16% | 0.717% |
| 9 | 9.857 | 1318 | 1320 | 1325 | rVV | 307734 | 357770 | 3.47% | 0.404% |
| 10 | 10.028 | 1345 | 1349 | 1353 | rBV | 130071 | 172313 | 1.67% | 0.195% |
| 11 | 10.069 | 1353 | 1356 | 1364 | rVB | 81883 | 112356 | 1.09% | 0.127% |
| 12 | 10.233 | 1379 | 1384 | 1392 | rBV2 | 77048 | 177687 | 1.72% | 0.201% |
| 13 | 10.375 | 1403 | 1408 | 1413 | rBV2 | 231152 | 315177 | 3.06% | 0.356% |
| 14 | 10.439 | 1413 | 1419 | 1422 | rBV | 107163 | 212698 | 2.06% | 0.240% |
| 15 | 10.539 | 1431 | 1436 | 1440 | rVB2 | 218698 | 350547 | 3.40% | 0.396% |
| 16 | 10.616 | 1440 | 1449 | 1454 | rBV | 862351 | 1193297 | 11.58% | 1.347% |
| 17 | 10.739 | 1465 | 1470 | 1476 | rVB3 | 128460 | 205438 | 1.99% | 0.232% |
| 18 | 10.922 | 1495 | 1501 | 1504 | rBV3 | 143357 | 267600 | 2.60% | 0.302% |
| 19 | 11.057 | 1518 | 1524 | 1525 | rBV2 | 135656 | 207274 | 2.01% | 0.234% |
| 20 | 11.122 | 1532 | 1535 | 1539 | rVB2 | 162749 | 194433 | 1.89% | 0.219% |
| 21 | 11.169 | 1539 | 1543 | 1547 | rVV3 | 174391 | 309173 | 3.00% | 0.349% |
| 22 | 11.216 | 1547 | 1551 | 1557 | rVB | 185925 | 283816 | 2.75% | 0.320% |
| 23 | 11.345 | 1563 | 1573 | 1578 | rBV | 3030550 | 4877271 | 47.31% | 5.506% |
| 24 | 11.392 | 1578 | 1581 | 1585 | rVV | 911123 | 1200793 | 11.65% | 1.356% |
| 25 | 11.427 | 1585 | 1587 | 1593 | rVB2 | 97457 | 125849 | 1.22% | 0.142% |
| 26 | 11.551 | 1603 | 1608 | 1610 | rBV2 | 115242 | 181624 | 1.76% | 0.205% |
| 27 | 11.610 | 1615 | 1618 | 1622 | rVV | 206474 | 284202 | 2.76% | 0.321% |
| 28 | 11.651 | 1622 | 1625 | 1630 | rVB4 | 130435 | 174631 | 1.69% | 0.197% |
| 29 | 11.822 | 1649 | 1654 | 1656 | rVV | 652844 | 866663 | 8.41% | 0.978% |
| 30 | 11.851 | 1656 | 1659 | 1663 | rVV | 988043 | 1204201 | 11.68% | 1.359% |
| 31 | 11.898 | 1663 | 1667 | 1669 | rVV | 392386 | 481840 | 4.67% | 0.544% |
| 32 | 11.933 | 1669 | 1673 | 1681 | rVB | 1229159 | 2315266 | 22.46% | 2.614% |
| 33 | 12.022 | 1681 | 1688 | 1691 | rBV5 | 94857 | 216394 | 2.10% | 0.244% |
| 34 | 12.116 | 1700 | 1704 | 1707 | rBV | 526757 | 667243 | 6.47% | 0.753% |
| 35 | 12.145 | 1707 | 1709 | 1713 | rVB | 302223 | 345193 | 3.35% | 0.390% |
| 36 | 12.192 | 1713 | 1717 | 1723 | rVB2 | 87716 | 114052 | 1.11% | 0.129% |

Sample Results: **BF141520.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 12.263 | 1724 | 1729 | 1732 | rBV | 259794 | 400820 | 3.89% | 0.452% |
| 38 | 12.298 | 1732 | 1735 | 1737 | rBV | 108554 | 110797 | 1.07% | 0.125% |
| 39 | 12.374 | 1743 | 1748 | 1751 | rBV | 543732 | 853322 | 8.28% | 0.963% |
| 40 | 12.410 | 1751 | 1754 | 1760 | rVV3 | 393775 | 662969 | 6.43% | 0.748% |
| 41 | 12.469 | 1760 | 1764 | 1770 | rVB2 | 548618 | 787249 | 7.64% | 0.889% |
| 42 | 12.551 | 1770 | 1778 | 1783 | rBV | 5418254 | 9112126 | 88.39% | 10.287% |
| 43 | 12.686 | 1796 | 1801 | 1805 | rBV2 | 356587 | 530927 | 5.15% | 0.599% |
| 44 | 12.780 | 1810 | 1817 | 1822 | rBV | 5355241 | 10308713 | 100.00% | 11.637% |
| 45 | 12.910 | 1830 | 1839 | 1846 | rVB3 | 997438 | 2227444 | 21.61% | 2.515% |
| 46 | 12.986 | 1846 | 1852 | 1859 | rBV3 | 636746 | 1273176 | 12.35% | 1.437% |
| 47 | 13.092 | 1859 | 1870 | 1874 | rVV2 | 813460 | 1855307 | 18.00% | 2.094% |
| 48 | 13.163 | 1878 | 1882 | 1884 | rVV2 | 437567 | 589855 | 5.72% | 0.666% |
| 49 | 13.198 | 1884 | 1888 | 1896 | rVV3 | 823866 | 1605720 | 15.58% | 1.813% |
| 50 | 13.292 | 1900 | 1904 | 1906 | rVV | 429317 | 547190 | 5.31% | 0.618% |
| 51 | 13.321 | 1906 | 1909 | 1917 | rVB2 | 449597 | 678213 | 6.58% | 0.766% |
| 52 | 13.516 | 1932 | 1942 | 1945 | rBV3 | 205906 | 628348 | 6.10% | 0.709% |
| 53 | 13.604 | 1950 | 1957 | 1962 | rBV | 542376 | 912171 | 8.85% | 1.030% |
| 54 | 13.716 | 1971 | 1976 | 1978 | rBV | 602038 | 867052 | 8.41% | 0.979% |
| 55 | 13.745 | 1978 | 1981 | 1983 | rVV | 568865 | 818683 | 7.94% | 0.924% |
| 56 | 13.768 | 1983 | 1985 | 1990 | rVV2 | 538938 | 916660 | 8.89% | 1.035% |
| 57 | 13.816 | 1990 | 1993 | 1999 | rVB | 547067 | 735101 | 7.13% | 0.830% |
| 58 | 13.968 | 2011 | 2019 | 2022 | rBV | 2836796 | 5472600 | 53.09% | 6.178% |
| 59 | 14.004 | 2022 | 2025 | 2031 | rVB | 2634371 | 3666058 | 35.56% | 4.139% |
| 60 | 14.080 | 2034 | 2038 | 2042 | rVB | 434589 | 575793 | 5.59% | 0.650% |
| 61 | 14.192 | 2054 | 2057 | 2060 | rVB3 | 171361 | 222612 | 2.16% | 0.251% |
| 62 | 14.357 | 2081 | 2085 | 2088 | rVV | 483868 | 620922 | 6.02% | 0.701% |
| 63 | 14.386 | 2088 | 2090 | 2094 | rVB | 257781 | 300252 | 2.91% | 0.339% |
| 64 | 14.445 | 2095 | 2100 | 2104 | rBV3 | 210655 | 415813 | 4.03% | 0.469% |
| 65 | 14.480 | 2104 | 2106 | 2108 | rBV | 176770 | 198438 | 1.92% | 0.224% |
| 66 | 14.668 | 2134 | 2138 | 2140 | rBV | 186426 | 266050 | 2.58% | 0.300% |
| 67 | 14.845 | 2165 | 2168 | 2175 | rVB2 | 197014 | 299332 | 2.90% | 0.338% |
| 68 | 15.021 | 2190 | 2198 | 2206 | rBV | 2106177 | 5331594 | 51.72% | 6.019% |
| 69 | 15.115 | 2210 | 2214 | 2218 | rVB | 394609 | 505349 | 4.90% | 0.570% |
| 70 | 15.315 | 2242 | 2248 | 2253 | rVB | 1084021 | 1868134 | 18.12% | 2.109% |
| 71 | 15.380 | 2253 | 2259 | 2264 | rVV | 1715802 | 2729703 | 26.48% | 3.082% |
| 72 | 15.433 | 2264 | 2268 | 2269 | rVV2 | 159062 | 206148 | 2.00% | 0.233% |
| 73 | 15.463 | 2270 | 2273 | 2280 | rVB2 | 583661 | 948764 | 9.20% | 1.071% |
| 74 | 16.892 | 2509 | 2516 | 2523 | rVB2 | 775640 | 1709182 | 16.58% | 1.929% |
| 75 | 17.333 | 2583 | 2591 | 2605 | rVB | 571731 | 1449347 | 14.06% | 1.636% |

Sample Results: **BF141520.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 88582570

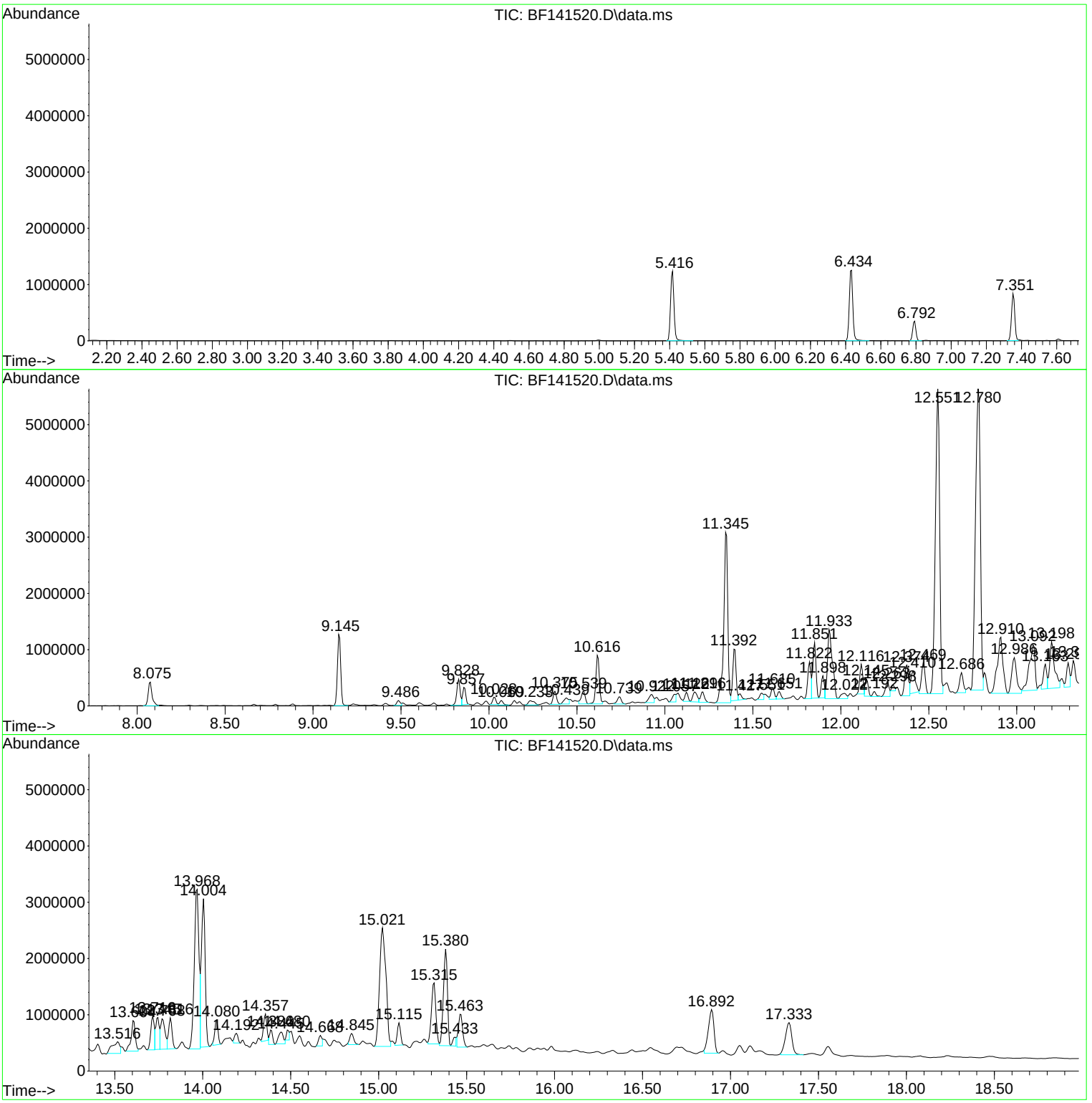
Sample Results: **BF141520.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

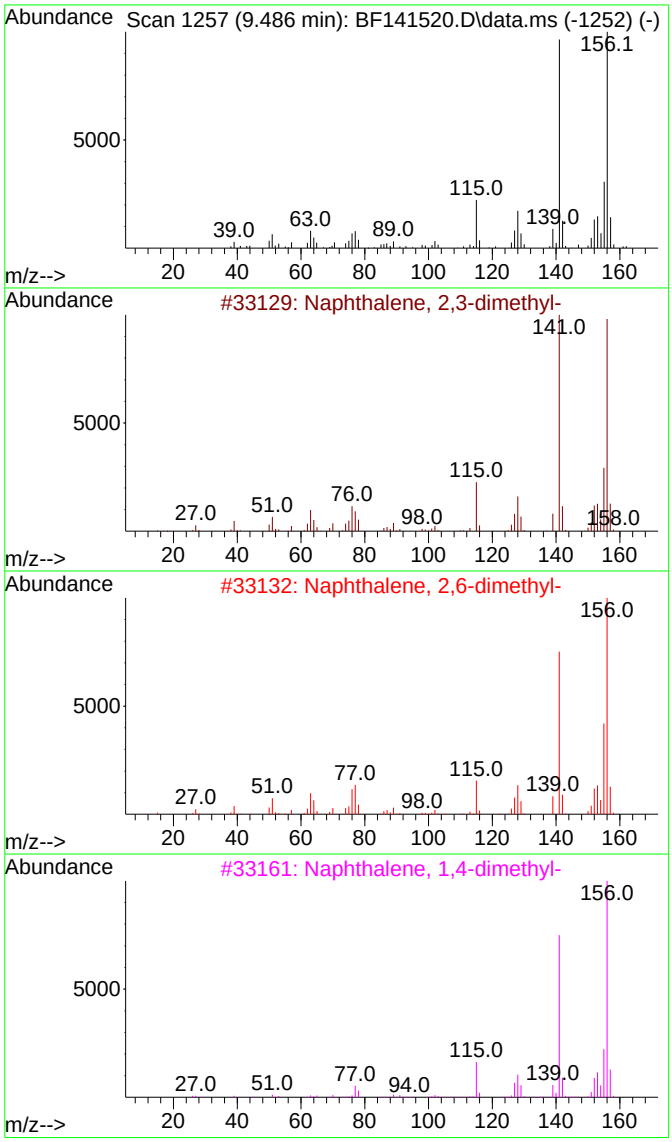
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TIC Integration Parameters: LSCINT.P

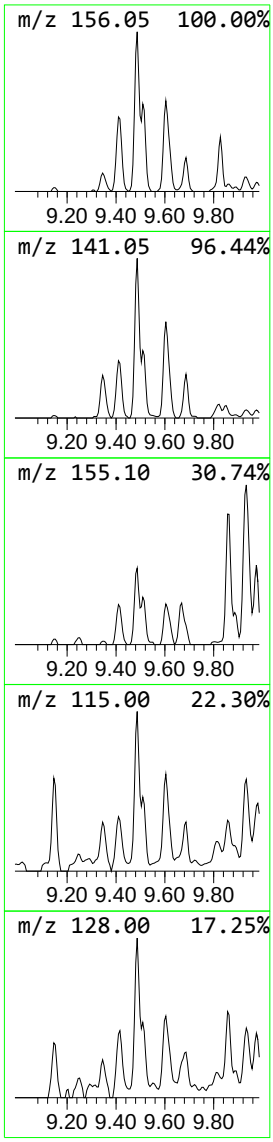
**********

Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.486 | 3.93 ng | 124669 | Acenaphthene-d10 | 9.828 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 2 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 97 |
| 3 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 96 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 5 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 96 |



Sample Results: **BF141520.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

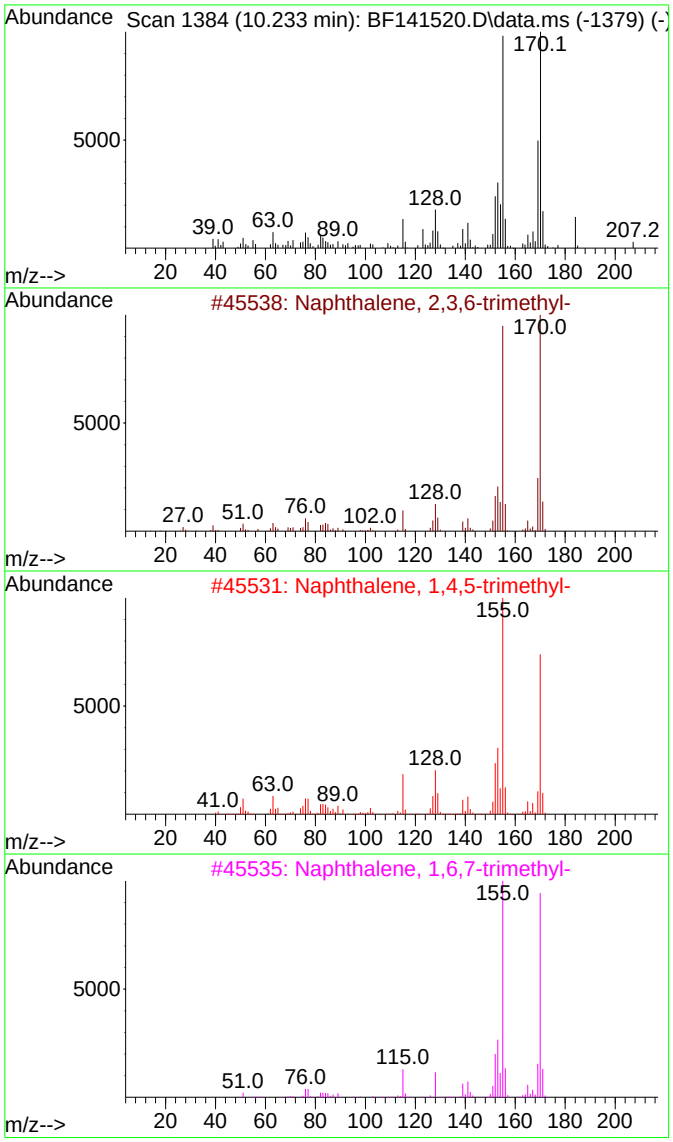
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

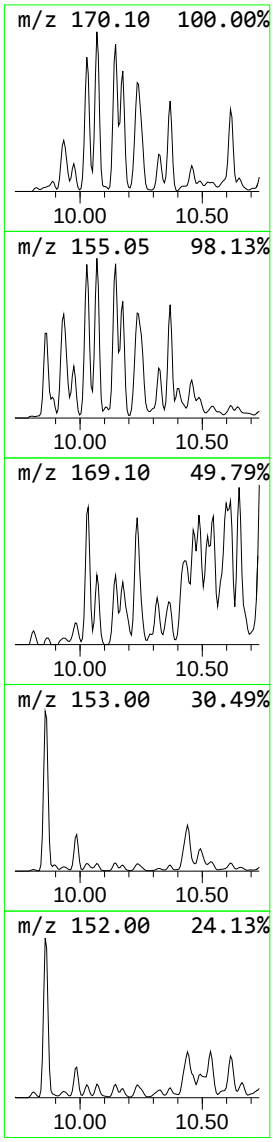
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Naphthalene, 2,3,6-trimethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.233 | 5.60 ng | 177687 | Acenaphthene-d10 | 9.828 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 96 |
| 2 | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14 | 002131-41-1 | 95 |
| 3 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 94 |
| 4 | 4,6,8-Trimethylazulene | 170 | C13H14 | 000941-81-1 | 91 |
| 5 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 90 |



Sample Results: **BF141520.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

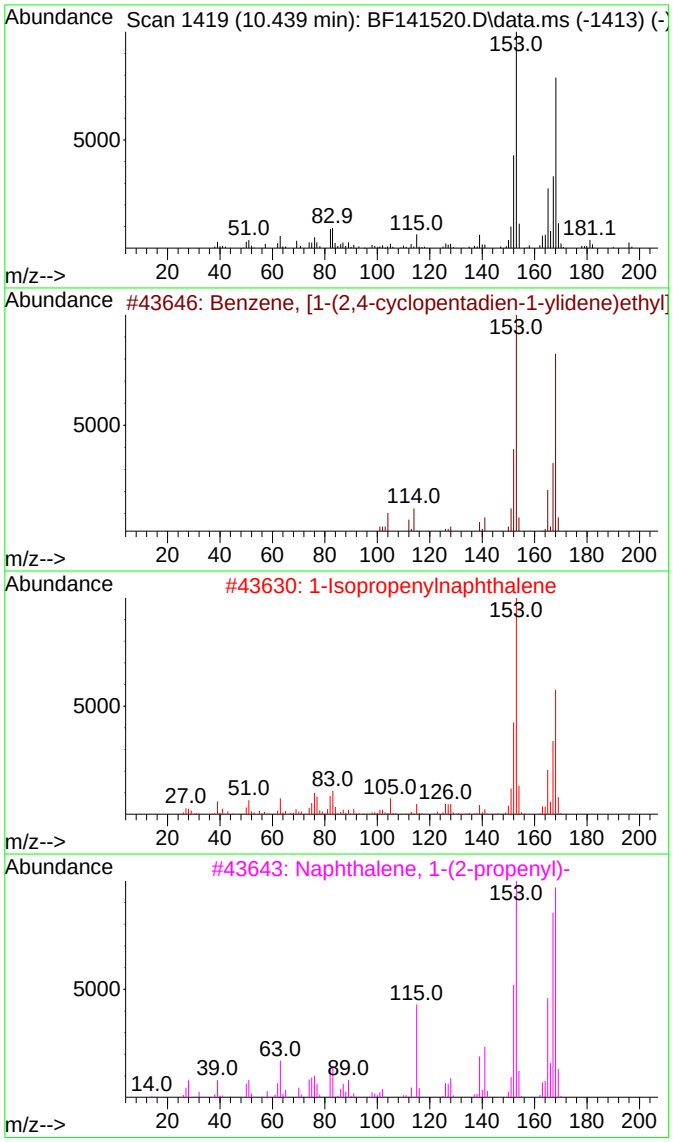
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

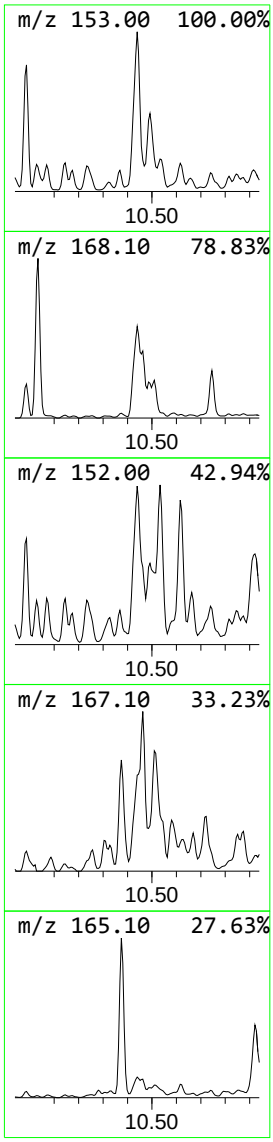
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Benzene, [1-(2,4-cyclopenta... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.439 | 6.70 ng | 212698 | Acenaphthene-d10 | 9.828 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, [1-(2,4-cyclopentadien-... | 168 | C13H12 | 002320-32-3 | 90 |
| 2 | 1-Isopropenylnaphthalene | 168 | C13H12 | 001855-47-6 | 72 |
| 3 | Naphthalene, 1-(2-propenyl)- | 168 | C13H12 | 002489-86-3 | 64 |
| 4 | Naphthalene, 2-(1-methylethenyl)- | 168 | C13H12 | 003710-23-4 | 59 |
| 5 | 4-Methylthio-2,6-xylenol | 168 | C9H12OS | 007379-49-9 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

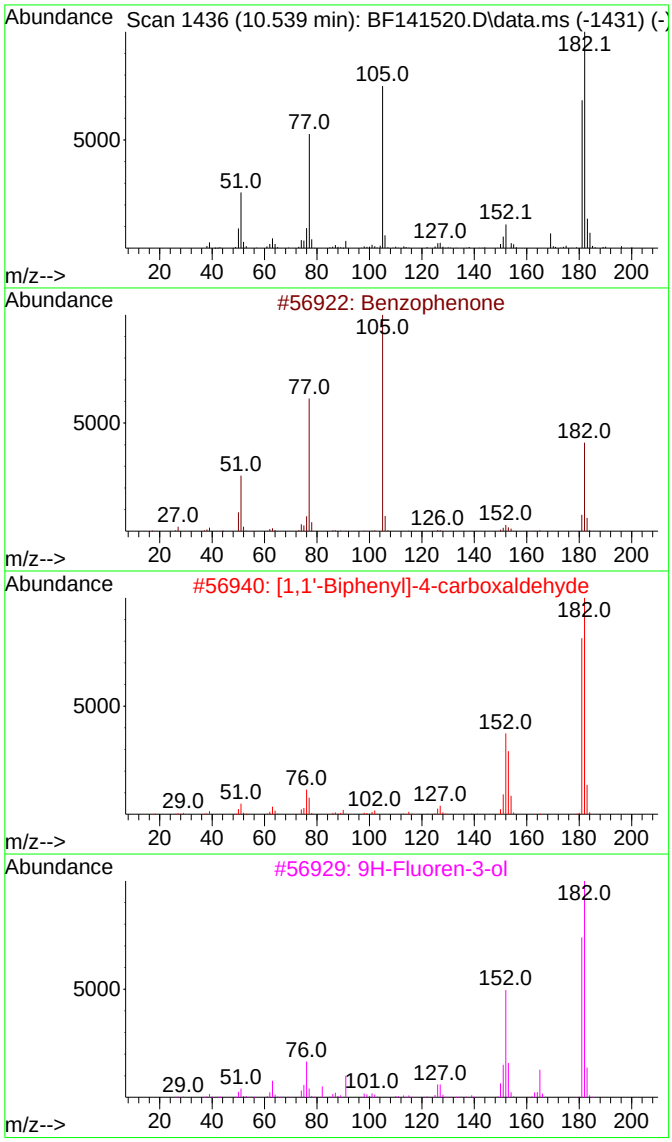
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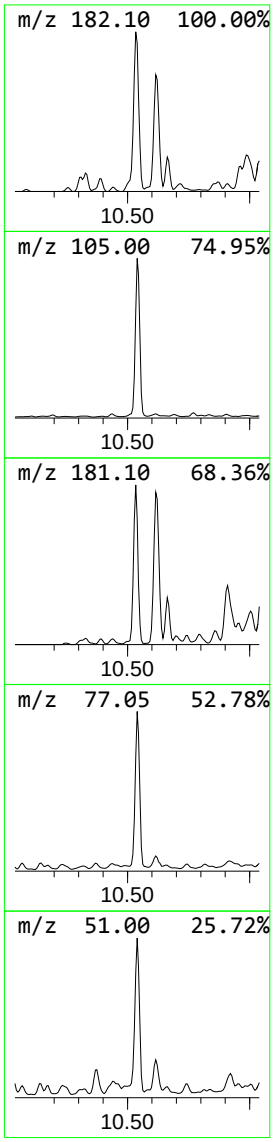
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Peak Number 4 Benzophenone Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.539 | 11.04 ng | 350547 | Acenaphthene-d10 | 9.828 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 81 |
| 2 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 49 |
| 3 | 9H-Fluoren-3-ol | 182 | C13H10O | 006344-67-8 | 49 |
| 4 | 2-Hydroxyfluorene | 182 | C13H10O | 002443-58-5 | 47 |
| 5 | 1-(Difluoromethyl)-6-methylpyrro... | 182 | C9H8F2N2 | 1000411-14-9 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

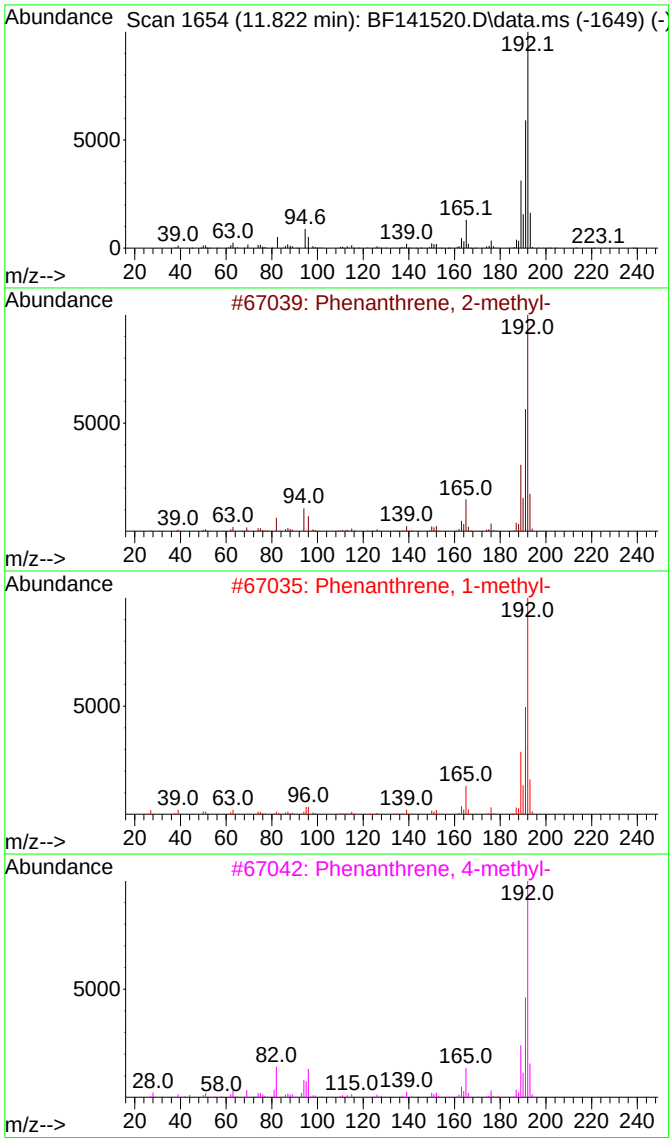
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TIC Integration Parameters: LSCINT.P

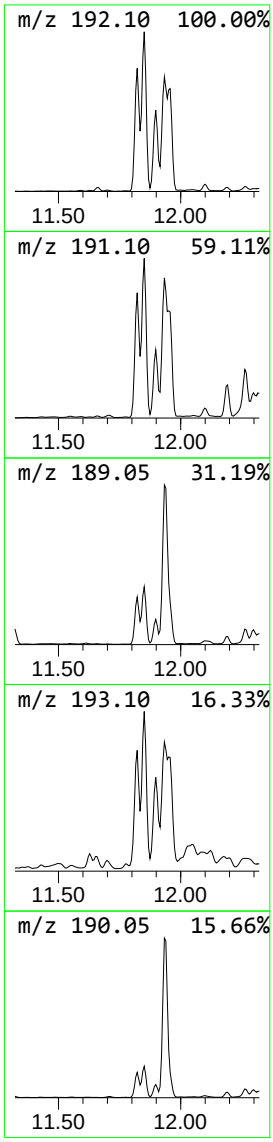
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Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.822 | 3.55 ng | 866663 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 3 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 93 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

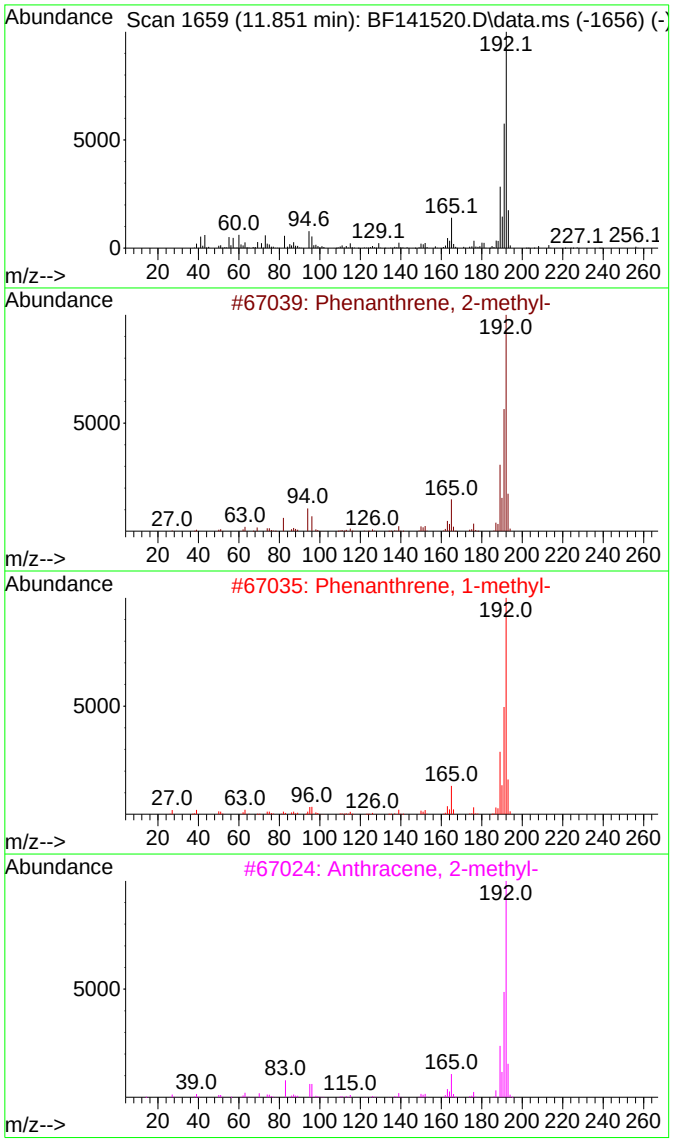
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TIC Integration Parameters: LSCINT.P

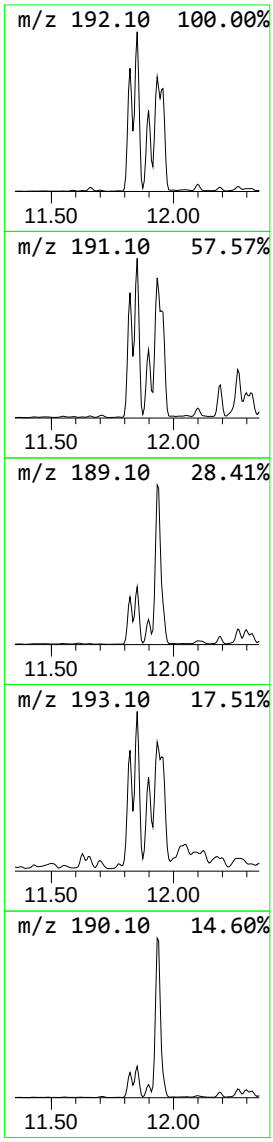
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Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.851 | 4.94 ng | 1204200 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 98 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

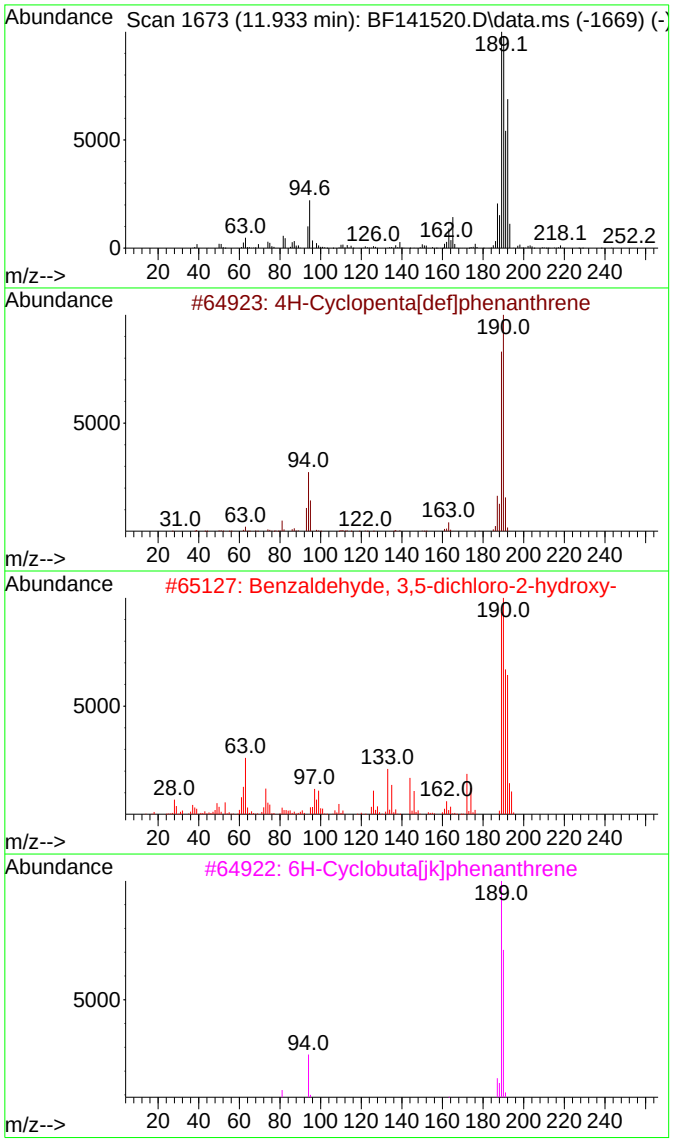
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

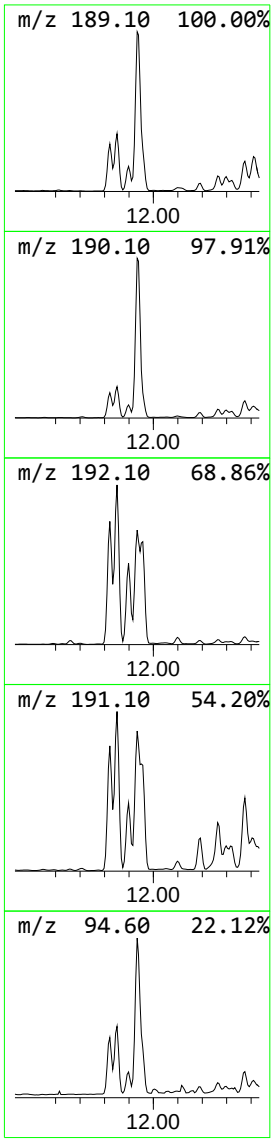
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.933 | 9.49 ng | 2315270 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 70 |
| 2 | Benzaldehyde, 3,5-dichloro-2-hyd... | 190 | C7H4Cl2O2 | 000090-60-8 | 64 |
| 3 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 58 |
| 4 | 4-Bromothiophene-2-aldehyde | 190 | C5H3BrOS | 018791-75-8 | 50 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 30 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

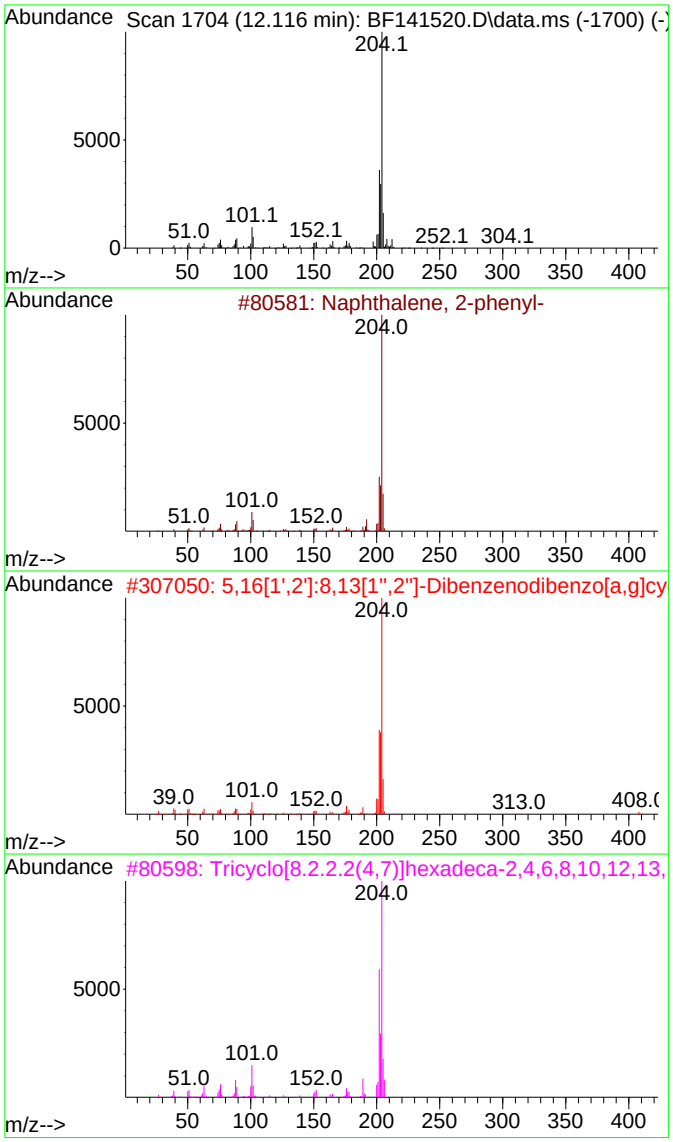
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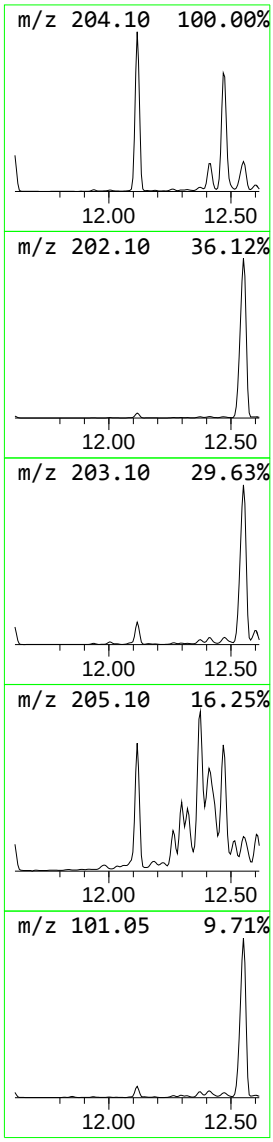
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Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.116 | 2.74 ng | 667243 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 90 |
| 2 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 87 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 74 |
| 4 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 58 |
| 5 | Benzene, 1,1'-(1-buten-3-yne-1,4... | 204 | C16H12 | 013141-45-2 | 52 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

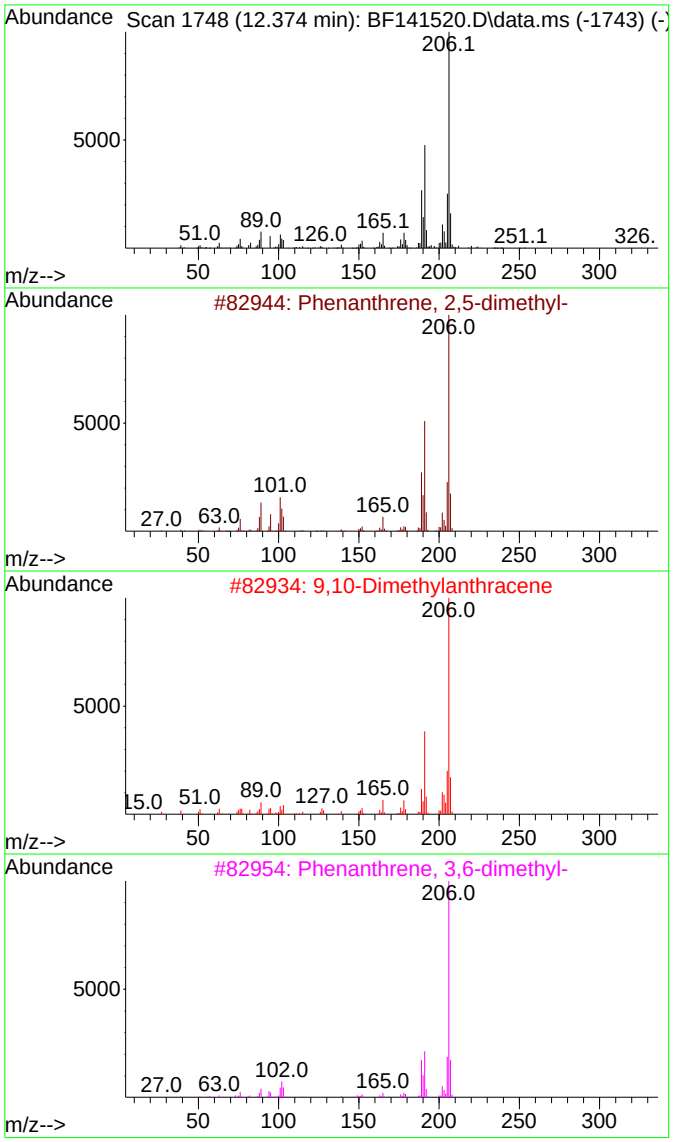
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TIC Integration Parameters: LSCINT.P

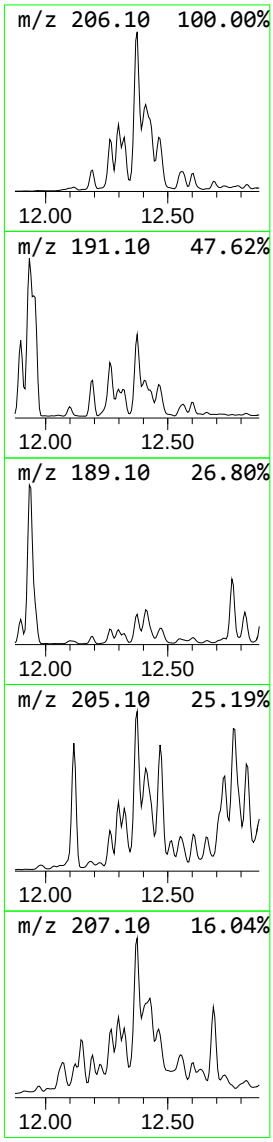
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Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.374 | 3.50 ng | 853322 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 96 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 93 |
| 3 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 91 |
| 4 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 91 |
| 5 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 89 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

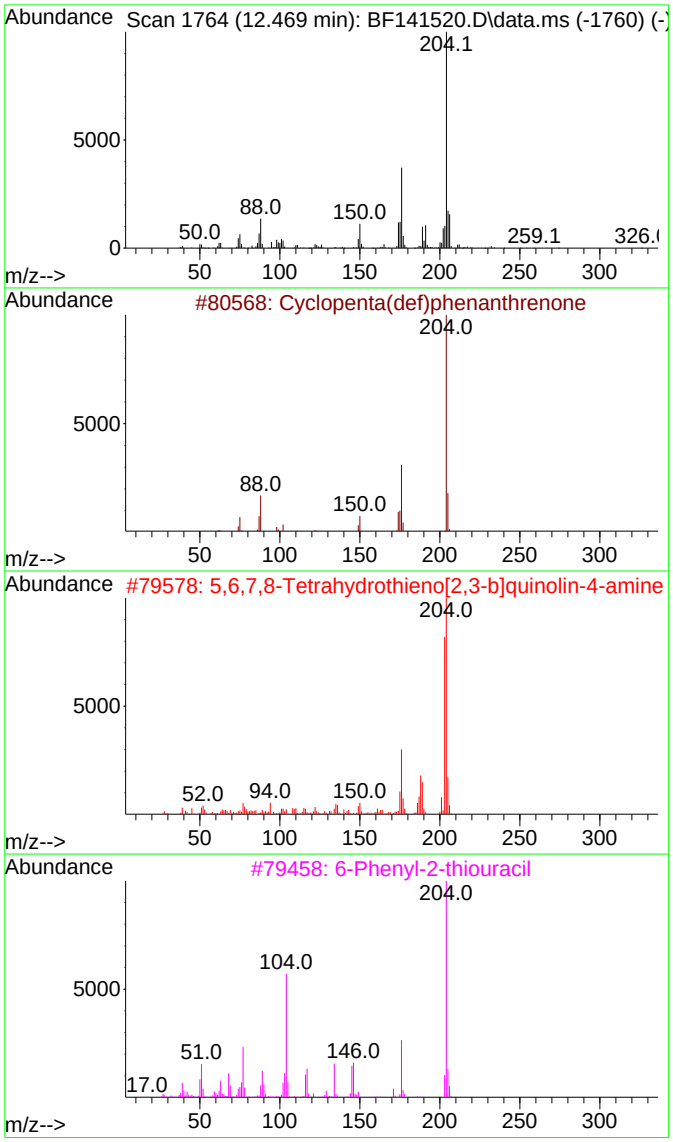
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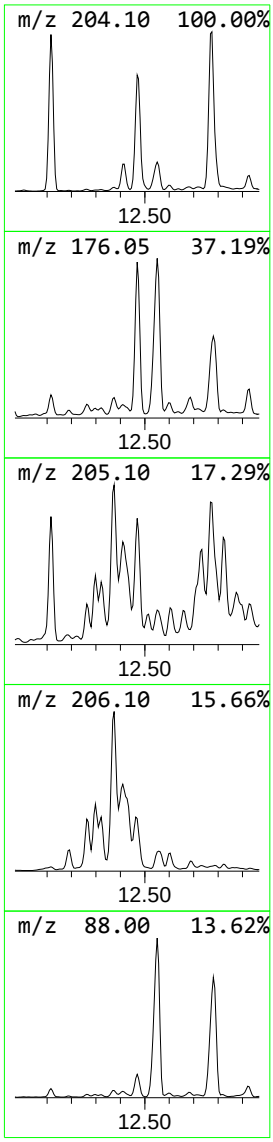
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Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.469 | 3.23 ng | 787249 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 95 |
| 2 | 5,6,7,8-Tetrahydrothieno[2,3-b]q... | 204 | C11H12N2S | 122914-50-5 | 53 |
| 3 | 6-Phenyl-2-thiouracil | 204 | C10H8N2OS | 005590-94-3 | 53 |
| 4 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 50 |
| 5 | 6-Cyanophenanthridine | 204 | C14H8N2 | 002176-28-5 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

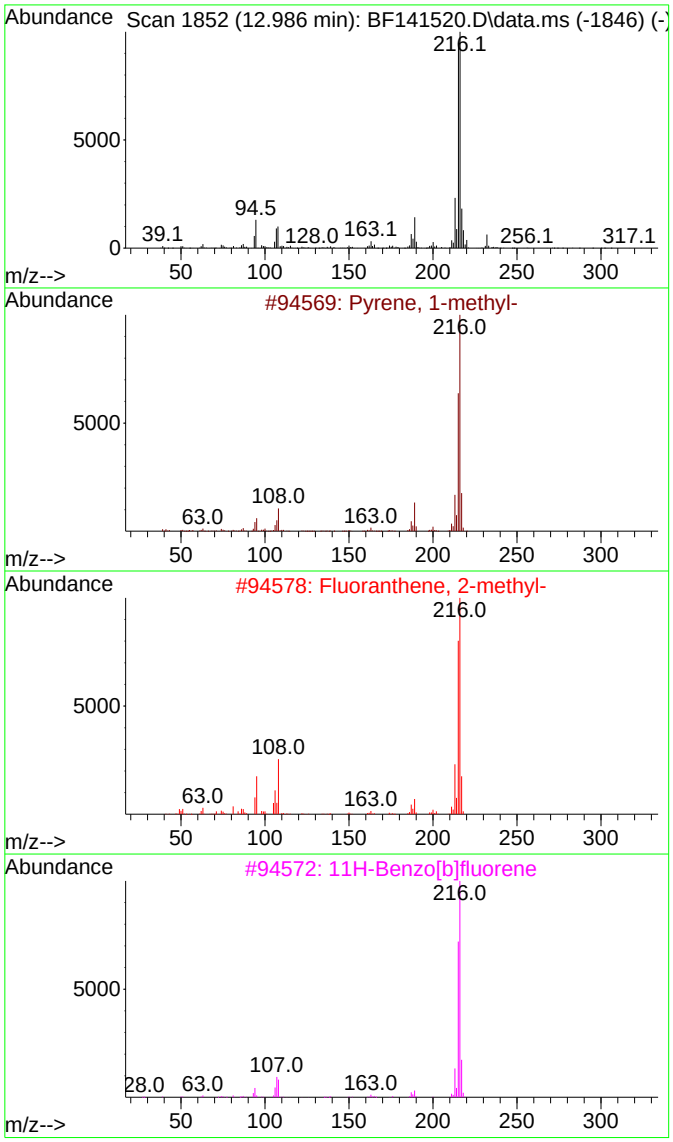
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

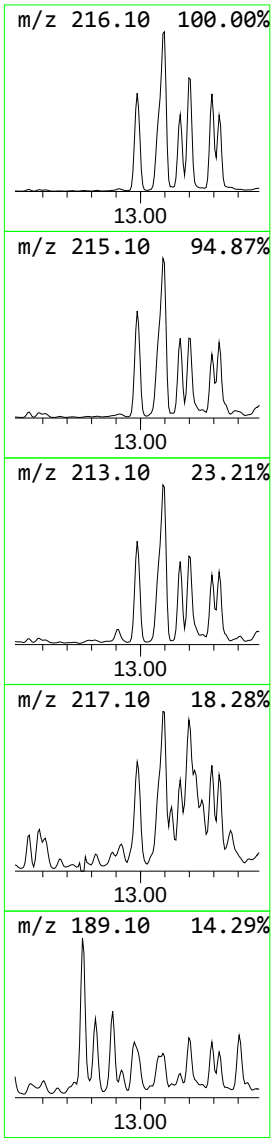
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.986 | 4.65 ng | 1273180 | Chrysene-d12 | 13.974 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 95 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 94 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 83 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

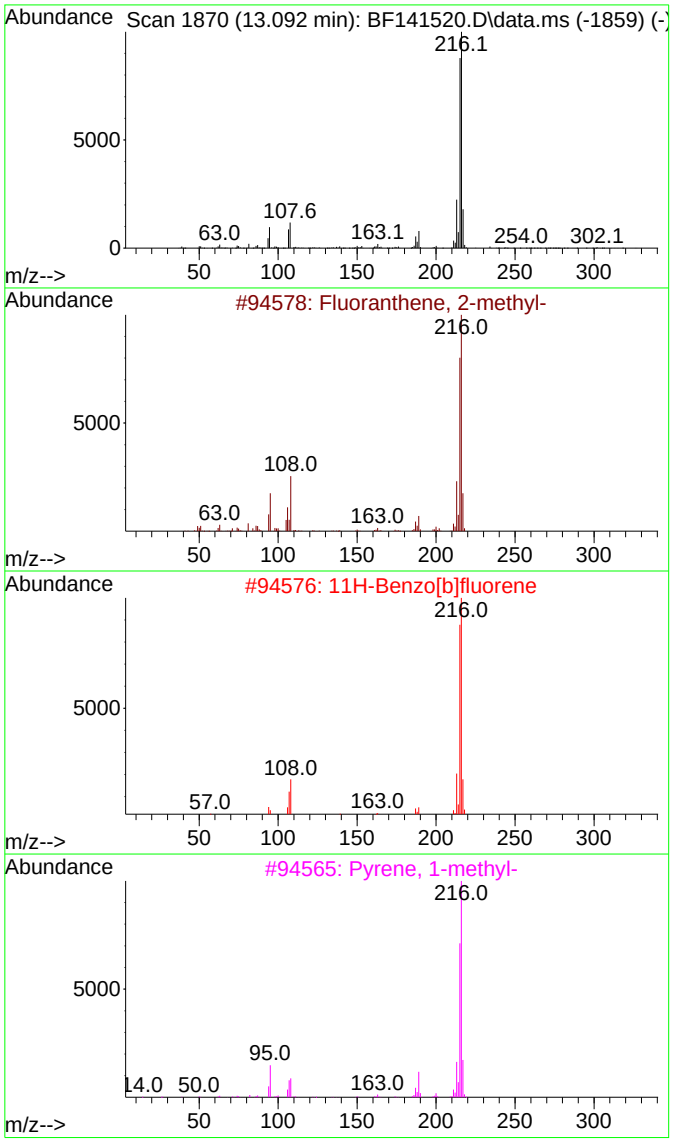
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TIC Integration Parameters: LSCINT.P

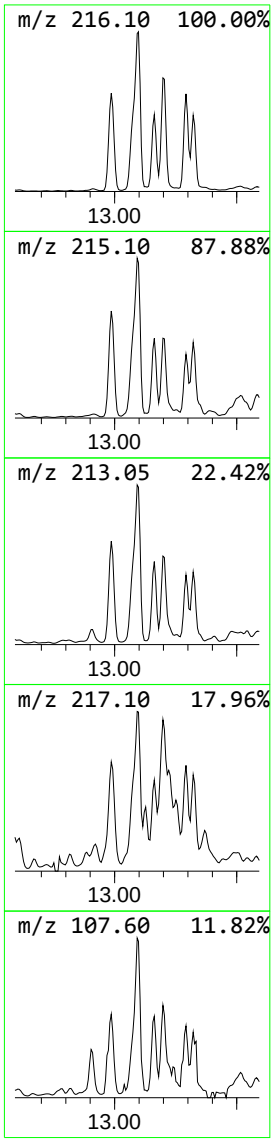
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Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.092 | 6.78 ng | 1855310 | Chrysene-d12 | 13.974 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 95 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 94 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 94 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 93 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

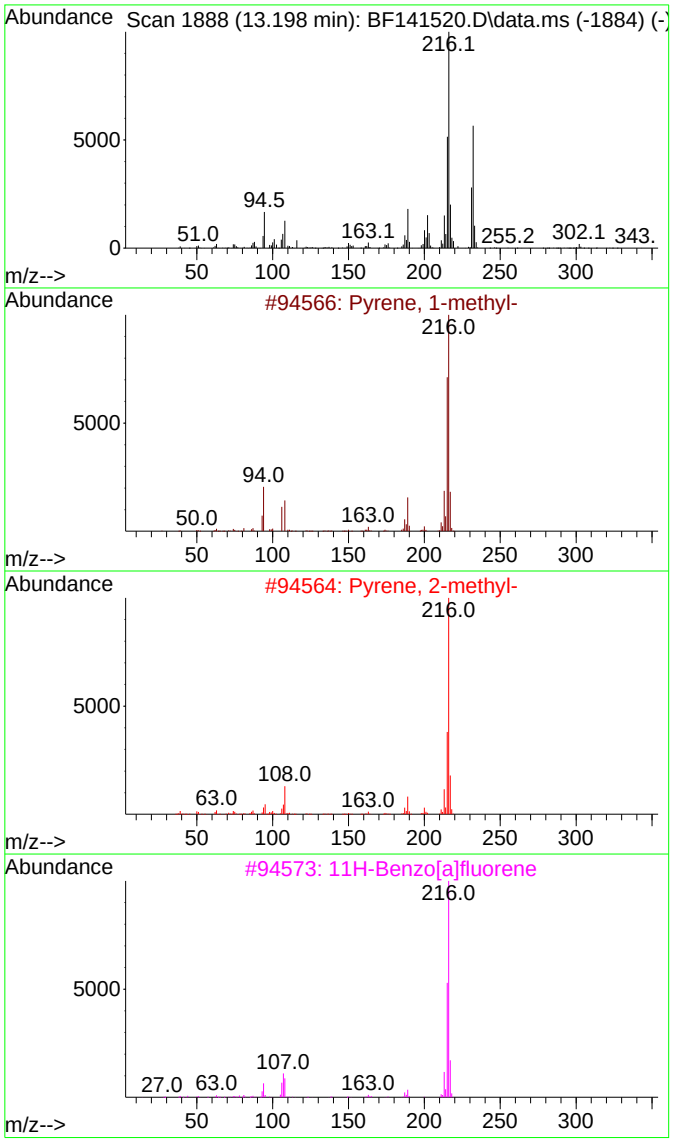
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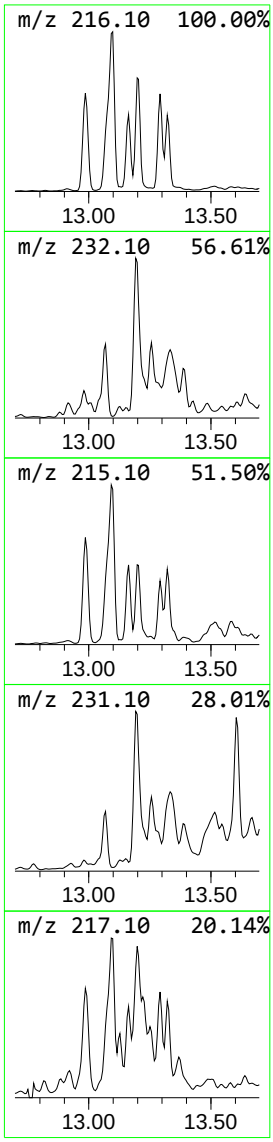
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TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Pyrene, 2-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.198 | 5.87 ng | 1605720 | Chrysene-d12 | 13.974 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 95 |
| 2 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 91 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 64 |
| 4 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 64 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 46 |



Sample Results: **BF141520.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

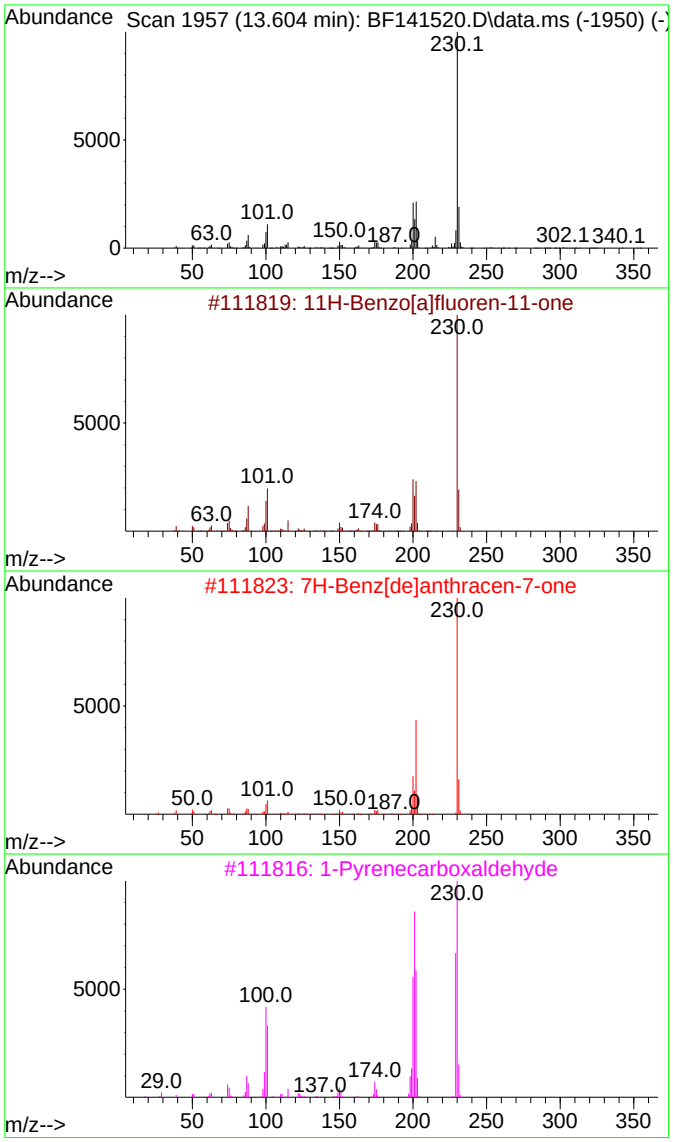
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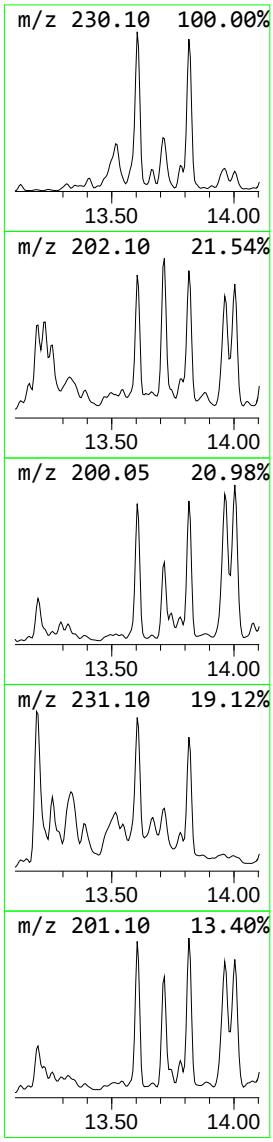
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Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.604 | 3.33 ng | 912171 | Chrysene-d12 | 13.974 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 97 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 90 |
| 3 | 1-Pyrenecarboxaldehyde | 230 | C17H10O | 003029-19-4 | 72 |
| 4 | (E)-.alpha.,.alpha.'-Dicyanostil... | 230 | C16H10N2 | 002450-55-7 | 64 |
| 5 | 4-Pyrenecarbaldehyde | 230 | C17H10O | 022245-51-8 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

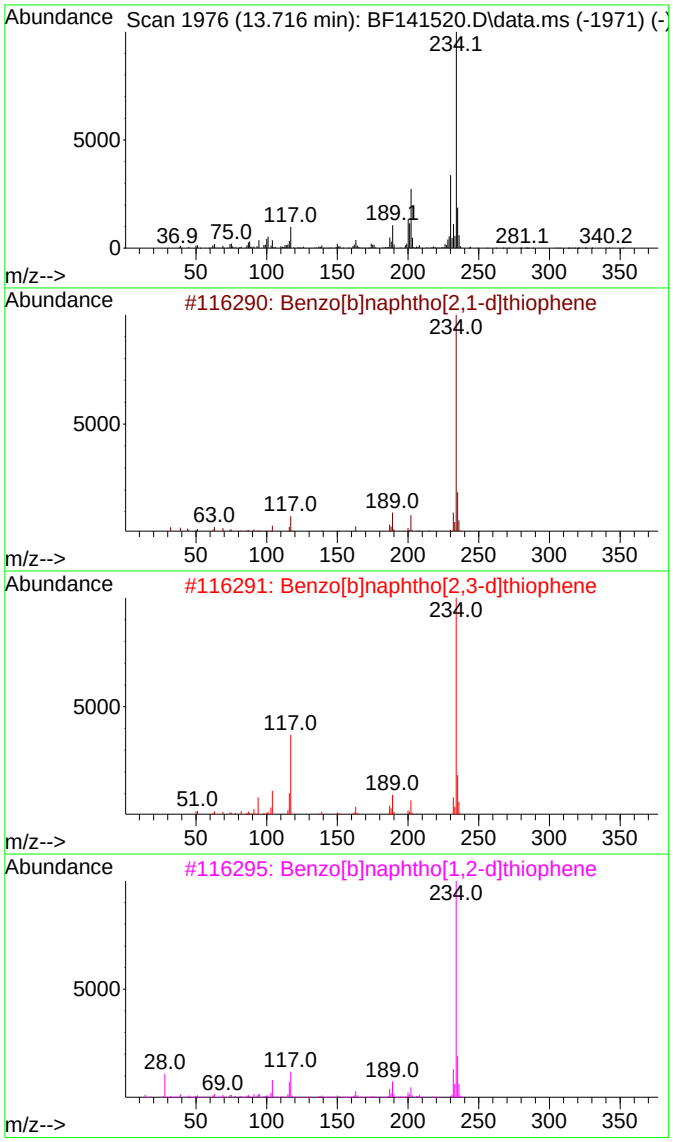
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

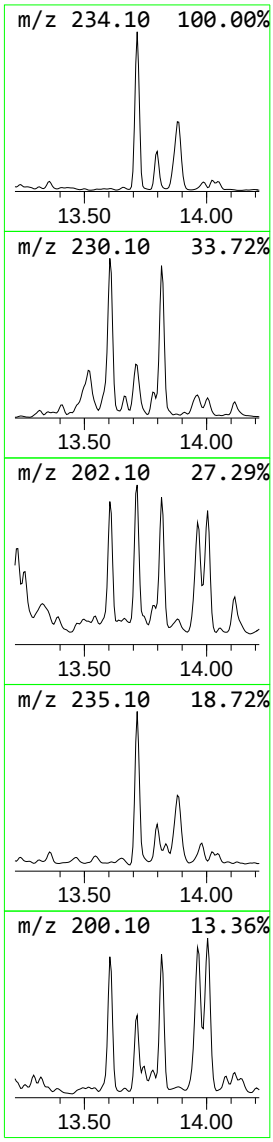
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TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.716 | 3.17 ng | 867052 | Chrysene-d12 | 13.974 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]naphtho[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 93 |
| 2 | Benzo[b]naphtho[2,3-d]thiophene | 234 | C16H10S | 000243-46-9 | 70 |
| 3 | Benzo[b]naphtho[1,2-d]thiophene | 234 | C16H10S | 000205-43-6 | 64 |
| 4 | Quinoxalino[2,3-b]quinoxaline, 5... | 234 | C14H10N4 | 000531-46-4 | 46 |
| 5 | 2-Amino-6-t-butyl-3-cyano-4,5,6,... | 234 | C13H18N2S | 042159-76-2 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

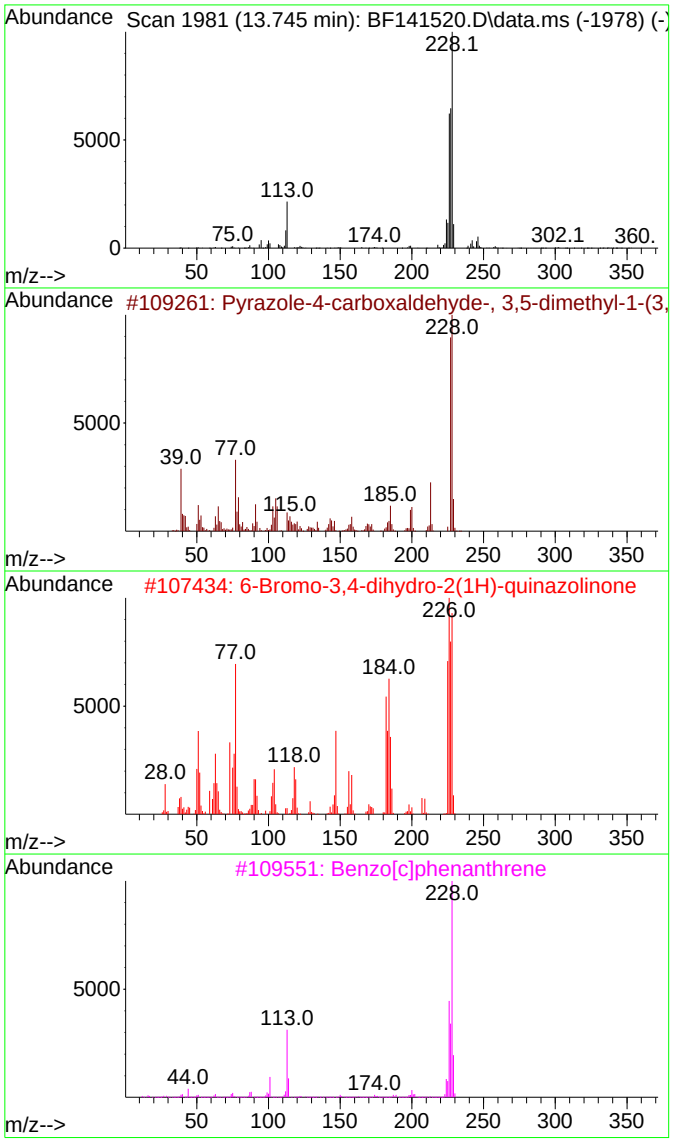
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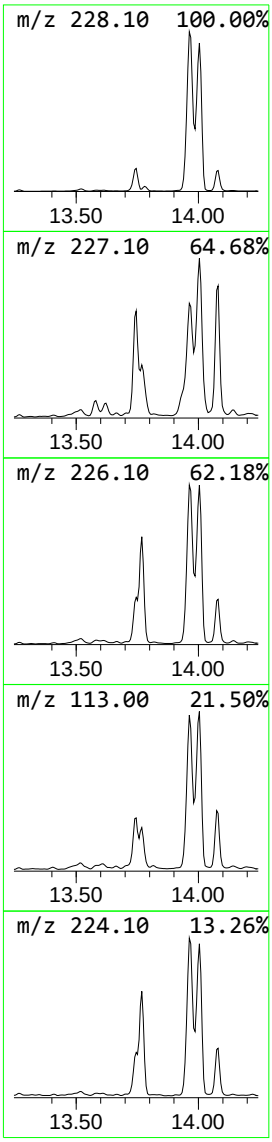
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Peak Number 16 unknown13.745 Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.745 | 2.99 ng | 818683 | Chrysene-d12 | 13.974 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrazole-4-carboxaldehyde-, 3,5-... | 228 | C14H16N2O | 1000272-54-8 | 47 |
| 2 | 6-Bromo-3,4-dihydro-2(1H)-quinaz... | 226 | C8H7BrN2O | 1246765-38-7 | 42 |
| 3 | Benzo[c]phenanthrene | 228 | C18H12 | 000195-19-7 | 38 |
| 4 | Ethyl trans-3-(1-pyrenyl)-2-prop... | 300 | C21H16O2 | 1000326-14-5 | 38 |
| 5 | Benz[a]anthracene | 228 | C18H12 | 000056-55-3 | 37 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

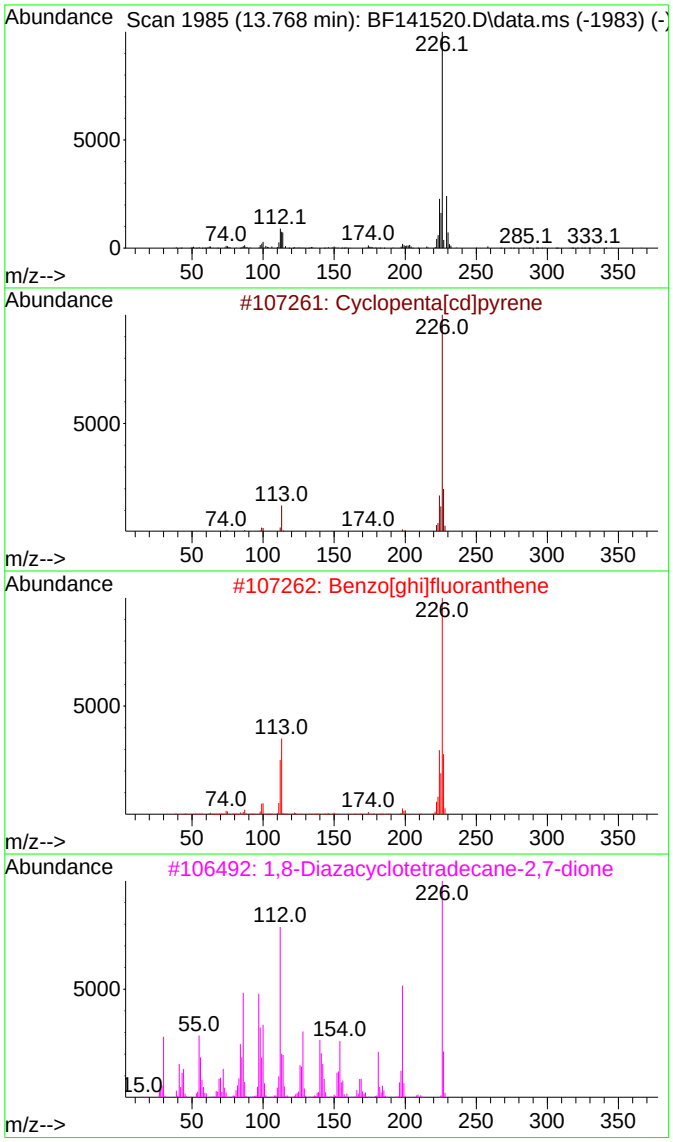
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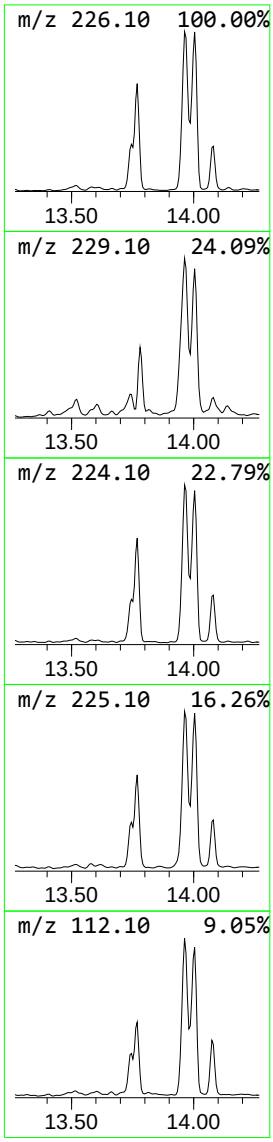
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Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.769 | 3.35 ng | 916660 | Chrysene-d12 | 13.974 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta[cd]pyrene | 226 | C18H10 | 027208-37-3 | 60 |
| 2 | Benzo[ghi]fluoranthene | 226 | C18H10 | 000203-12-3 | 50 |
| 3 | 1,8-Diazacyclotetradecane-2,7-dione | 226 | C12H22N2O2 | 004266-66-4 | 37 |
| 4 | 1,3-Diamino-5,6-dihydro-7-methyl... | 226 | C13H14N4 | 037436-37-6 | 9 |
| 5 | 5(10H)-Pyrido[3,4-b]quinolone, 7... | 226 | C13H10N2O2 | 1000256-99-5 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

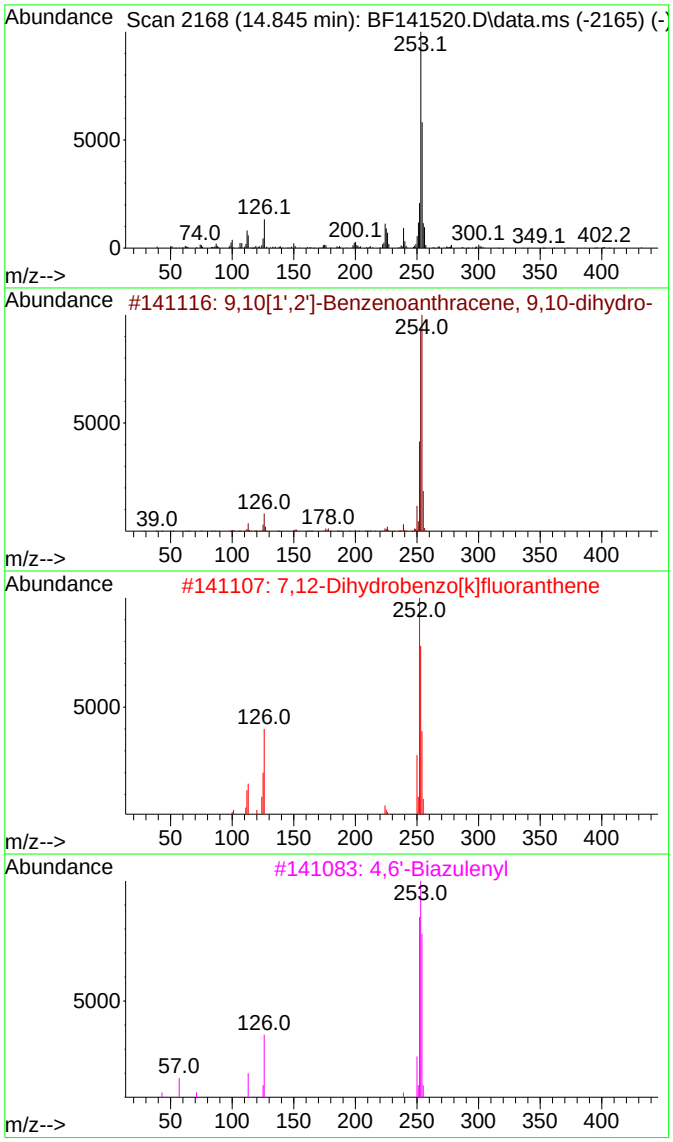
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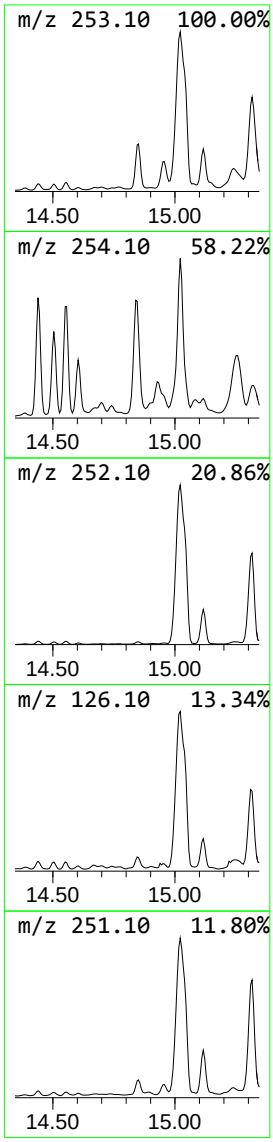
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Peak Number 18 9,10[1',2']-Benzenoanthrace... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.845 | 29.04 ng | 299332 | Perylene-d12 | 15.433 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10[1',2']-Benzenoanthracene, 9... | 254 | C20H14 | 000477-75-8 | 81 |
| 2 | 7,12-Dihydrobenzo[k]fluoranthene | 254 | C20H14 | 1000080-17-7 | 64 |
| 3 | 4,6'-Biazulenyl | 254 | C20H14 | 094154-49-1 | 62 |
| 4 | 3H-Pyrrolo[3,2-f]quinoline, 5-me... | 254 | C16H18N2O | 1000350-44-1 | 58 |
| 5 | Benz(a)anthracene-7-carbonitrile | 253 | C19H11N | 007476-08-6 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

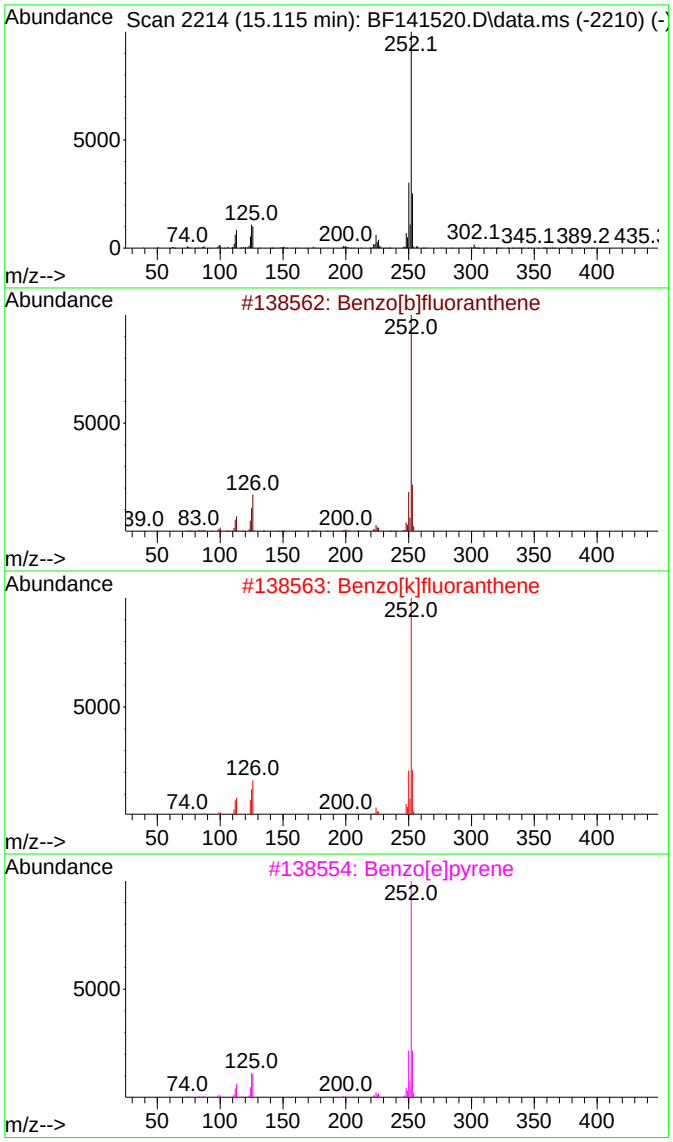
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TIC Integration Parameters: LSCINT.P

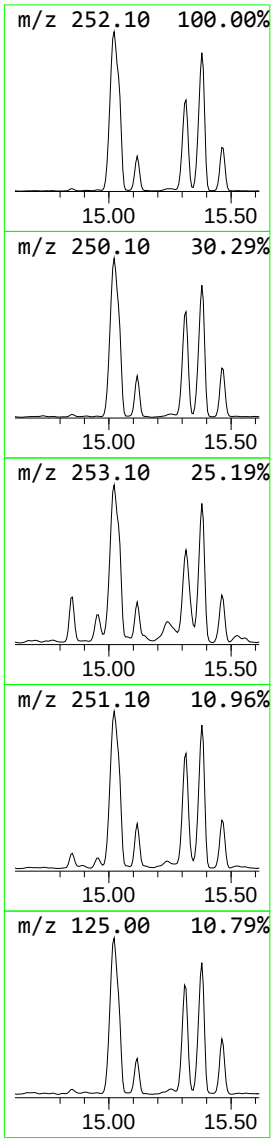
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Peak Number 19 Benzo[e]pyrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.116 | 49.03 ng | 505349 | Perylene-d12 | 15.433 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 93 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 93 |
| 3 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 93 |
| 4 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 90 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

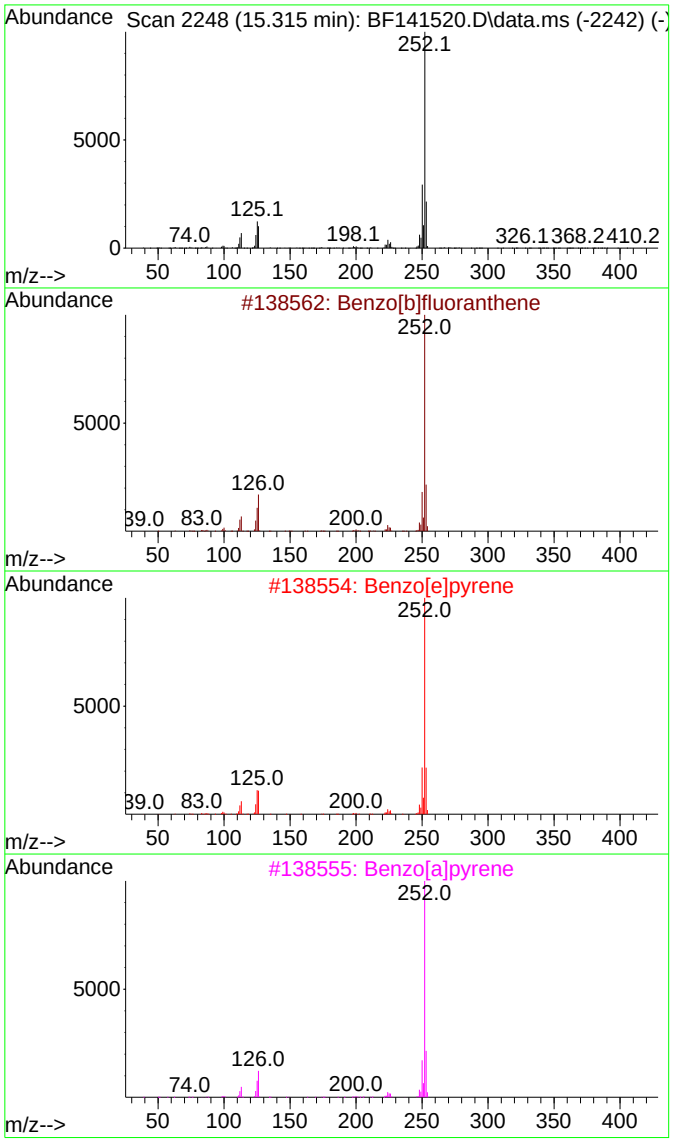
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

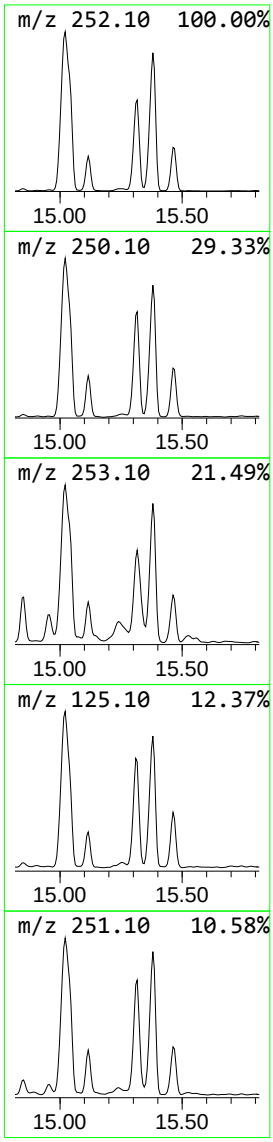
**********

Peak Number 20 Perylene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.316 | 181.24 ng | 1868130 | Perylene-d12 | 15.433 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 97 |
| 2 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 94 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |
| 4 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 93 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 90 |



Sample Results: **BF141520.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Naphthalene, 2,... | 9.486 | 3.9 | ng | 124669 | 3 | 9.828 | 634798 | 20.0 |
| Naphthalene, 2,... | 10.233 | 5.6 | ng | 177687 | 3 | 9.828 | 634798 | 20.0 |
| Benzene, [1-(2,... | 10.439 | 6.7 | ng | 212698 | 3 | 9.828 | 634798 | 20.0 |
| Benzophenone | 10.539 | 11.0 | ng | 350547 | 3 | 9.828 | 634798 | 20.0 |
| Phenanthrene, 2... | 11.822 | 3.5 | ng | 866663 | 4 | 11.316 | 4877270 | 20.0 |
| Phenanthrene, 1... | 11.851 | 4.9 | ng | 1204200 | 4 | 11.316 | 4877270 | 20.0 |
| 4H-Cyclopenta[d... | 11.933 | 9.5 | ng | 2315270 | 4 | 11.316 | 4877270 | 20.0 |
| Naphthalene, 2-... | 12.116 | 2.7 | ng | 667243 | 4 | 11.316 | 4877270 | 20.0 |
| Phenanthrene, 2... | 12.374 | 3.5 | ng | 853322 | 4 | 11.316 | 4877270 | 20.0 |
| Cyclopenta(def)... | 12.469 | 3.2 | ng | 787249 | 4 | 11.316 | 4877270 | 20.0 |
| Pyrene, 1-methyl- | 12.986 | 4.7 | ng | 1273180 | 5 | 13.974 | 5472600 | 20.0 |
| Fluoranthene, 2... | 13.092 | 6.8 | ng | 1855310 | 5 | 13.974 | 5472600 | 20.0 |
| Pyrene, 2-methyl- | 13.198 | 5.9 | ng | 1605720 | 5 | 13.974 | 5472600 | 20.0 |
| 11H-Benzo[a]flu... | 13.604 | 3.3 | ng | 912171 | 5 | 13.974 | 5472600 | 20.0 |
| Benzo[b]naphtho... | 13.716 | 3.2 | ng | 867052 | 5 | 13.974 | 5472600 | 20.0 |
| unknown13.745 | 13.745 | 3.0 | ng | 818683 | 5 | 13.974 | 5472600 | 20.0 |
| Cyclopenta[cd]p... | 13.769 | 3.4 | ng | 916660 | 5 | 13.974 | 5472600 | 20.0 |
| 9,10[1',2']-Ben... | 14.845 | 29.0 | ng | 299332 | 6 | 15.433 | 206148 | 20.0 |
| Benzo[e]pyrene | 15.116 | 49.0 | ng | 505349 | 6 | 15.433 | 206148 | 20.0 |
| Perylene | 15.316 | 181.2 | ng | 1868130 | 6 | 15.433 | 206148 | 20.0 |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-26.1-012825DL | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-15DL | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 82.8 |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141548.D | 5 | 01/30/25 09:15 | 02/10/25 21:12 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 2000 | UD | 1100 | 2000 | ug/Kg |
| 108-95-2 | Phenol | 1000 | UD | 500 | 1000 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 1000 | UD | 500 | 1000 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 1000 | UD | 500 | 1000 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 1000 | UD | 490 | 1000 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 1000 | UD | 550 | 1000 | ug/Kg |
| 98-86-2 | Acetophenone | 1000 | UD | 520 | 1000 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 2000 | UD | 480 | 2000 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 480 | UD | 240 | 480 | ug/Kg |
| 67-72-1 | Hexachloroethane | 1000 | UD | 500 | 1000 | ug/Kg |
| 98-95-3 | Nitrobenzene | 1000 | UD | 550 | 1000 | ug/Kg |
| 78-59-1 | Isophorone | 1000 | UD | 510 | 1000 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 1000 | UD | 570 | 1000 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 1000 | UD | 560 | 1000 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1000 | UD | 520 | 1000 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 1000 | UD | 460 | 1000 | ug/Kg |
| 91-20-3 | Naphthalene | 1000 | UD | 500 | 1000 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 1000 | UD | 500 | 1000 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 1000 | UD | 500 | 1000 | ug/Kg |
| 105-60-2 | Caprolactam | 2000 | UD | 520 | 2000 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 1000 | UD | 470 | 1000 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 1000 | UD | 500 | 1000 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 2000 | UDQ | 940 | 2000 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | UD | 430 | 1000 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 1000 | UD | 450 | 1000 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 1000 | UD | 530 | 1000 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 1000 | UD | 500 | 1000 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 1000 | UD | 570 | 1000 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 1000 | UD | 490 | 1000 | ug/Kg |

Raw Data: **BF141548.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-26.1-012825DL | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-15DL | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 82.8 |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141548.D | 5 | 01/30/25 09:15 | 02/10/25 21:12 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 1000 | UD | 520 | 1000 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | UD | 500 | 1000 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 1000 | UD | 540 | 1000 | ug/Kg |
| 83-32-9 | Acenaphthene | 1000 | UD | 490 | 1000 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 2000 | UD | 1500 | 2000 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 2000 | UD | 700 | 2000 | ug/Kg |
| 132-64-9 | Dibenzofuran | 1000 | UD | 510 | 1000 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 1000 | UD | 520 | 1000 | ug/Kg |
| 84-66-2 | Diethylphthalate | 1000 | UD | 480 | 1000 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1000 | UD | 520 | 1000 | ug/Kg |
| 86-73-7 | Fluorene | 1000 | UD | 520 | 1000 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 1000 | UD | 650 | 1000 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 2000 | UD | 710 | 2000 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 1000 | UD | 490 | 1000 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 1000 | UD | 480 | 1000 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 1000 | UD | 510 | 1000 | ug/Kg |
| 1912-24-9 | Atrazine | 1000 | UD | 550 | 1000 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 2000 | UD | 470 | 2000 | ug/Kg |
| 85-01-8 | Phenanthrene | 6800 | D | 510 | 1000 | ug/Kg |
| 120-12-7 | Anthracene | 1900 | D | 510 | 1000 | ug/Kg |
| 86-74-8 | Carbazole | 1000 | UD | 480 | 1000 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 1000 | UD | 510 | 1000 | ug/Kg |
| 206-44-0 | Fluoranthene | 15100 | D | 490 | 1000 | ug/Kg |
| 129-00-0 | Pyrene | 12000 | D | 500 | 1000 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 1000 | UD | 580 | 1000 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 2000 | UDQ | 590 | 2000 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 9200 | D | 490 | 1000 | ug/Kg |
| 218-01-9 | Chrysene | 7100 | D | 480 | 1000 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 1000 | UD | 550 | 1000 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 2000 | UD | 660 | 2000 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 9500 | D | 490 | 1000 | ug/Kg |

Raw Data: **BF141548.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-26.1-012825DL | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-15DL | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 82.8 |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141548.D | 5 | 01/30/25 09:15 | 02/10/25 21:12 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 4300 | D | 500 | 1000 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 8400 | D | 560 | 1000 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 3500 | D | 470 | 1000 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 970 | JD | 490 | 1000 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 3700 | D | 480 | 1000 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 1000 | UD | 520 | 1000 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 1000 | UD | 660 | 1000 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 1000 | UD | 450 | 1000 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 94.1 | | 18 - 112 | 63% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 92.0 | | 15 - 107 | 61% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 64.0 | | 18 - 107 | 64% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 62.7 | | 20 - 109 | 63% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 70.0 | | 10 - 116 | 47% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 41.9 | | 10 - 105 | 42% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 74000 | 6.786 | | | |
| 1146-65-2 | Naphthalene-d8 | 290000 | 8.069 | | | |
| 15067-26-2 | Acenaphthene-d10 | 145000 | 9.822 | | | |
| 1517-22-2 | Phenanthrene-d10 | 197000 | 11.31 | | | |
| 1719-03-5 | Chrysene-d12 | 175000 | 13.951 | | | |
| 1520-96-3 | Perylene-d12 | 154000 | 15.409 | | | |

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: **BF141548.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141548.D
Acq On : 10 Feb 2025 21:12
Operator : RC/JU
Sample : Q1216-15DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825DL

**Manual Integrations APPROVED**
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

Quant Time: Feb 11 00:10:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.786 | 152 | 74035 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.069 | 136 | 289660 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.822 | 164 | 144714 | 20.000 | ng | -0.01 |
| 64) Phenanthrene-d10 | 11.310 | 188 | 197252 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.951 | 240 | 174653 | 20.000 | ng | -0.01 |
| 86) Perylene-d12 | 15.409 | 264 | 154420 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.404 | 112 | 88865 | 18.818 | ng | 0.00 |
| 7) Phenol-d6 | 6.422 | 99 | 109784 | 18.393 | ng | -0.02 |
| 23) Nitrobenzene-d5 | 7.345 | 82 | 71121 | 12.807 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.610 | 330 | 20355 | 14.002 | ng | -0.02 |
| 45) 2-Fluorobiphenyl | 9.145 | 172 | 117797 | 12.541 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.892 | 244 | 86634 | 8.374 | ng | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 52) Acenaphthene | 9.851 | 154 | 19654 | 2.369 | ng | 99 |
| 71) Phenanthrene | 11.333 | 178 | 369401 | 34.022 | ng | 100 |
| 72) Anthracene | 11.380 | 178 | 102524 | 9.393 | ng | 99 |
| 75) Fluoranthene | 12.527 | 202 | 864822 | 75.127 | ng | 99 |
| 78) Pyrene | 12.757 | 202 | 885039 | 59.528 | ng | 99 |
| 81) Benzo(a)anthracene | 13.945 | 228 | 533419 | 45.946 | ng | 98 |
| 83) Chrysene | 13.980 | 228 | 378245 | 35.284 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.839 | 276 | 164290 | 17.219 | ng | 94 |
| 88) Benzo(b)fluoranthene | 14.992 | 252 | 489044m | 47.166 | ng | |
| 89) Benzo(k)fluoranthene | 15.004 | 252 | 189292m | 21.380 | ng | |
| 90) Benzo(a)pyrene | 15.345 | 252 | 352689 | 42.037 | ng | 96 |
| 91) Dibenzo(a,h)anthracene | 16.851 | 278 | 37455m | 4.845 | ng | |
| 92) Benzo(g,h,i)perylene | 17.274 | 276 | 150699 | 18.627 | ng | 99 |

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

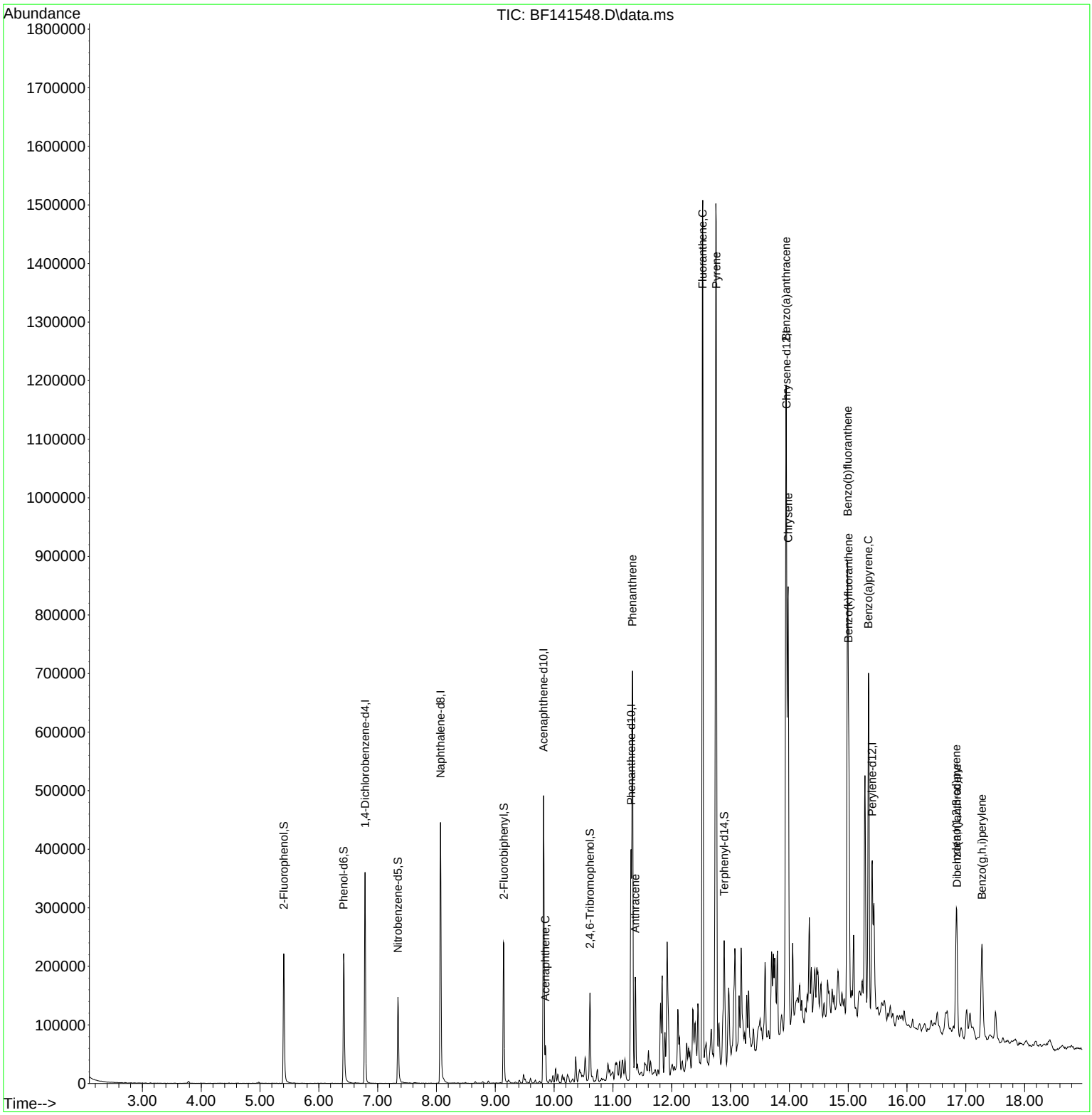
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141548.D
Acq On : 10 Feb 2025 21:12
Operator : RC/JU
Sample : Q1216-15DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

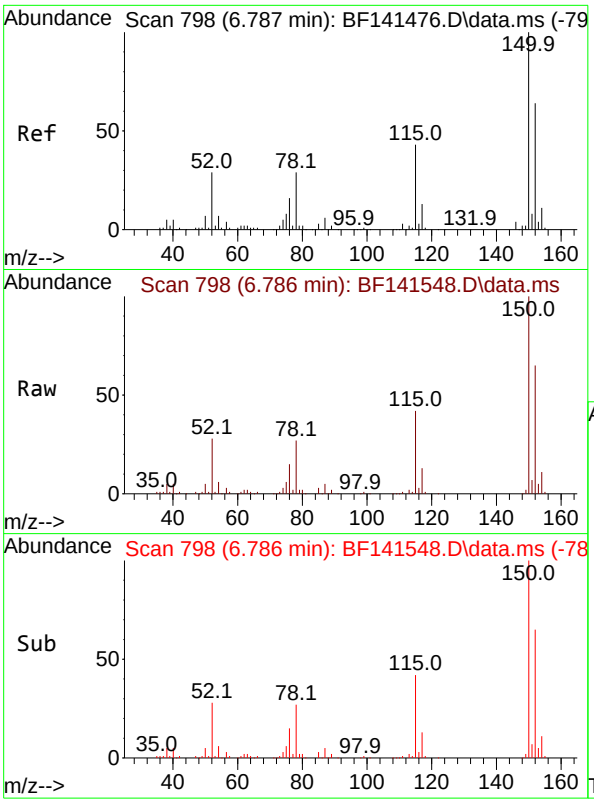
Quant Time: Feb 11 00:10:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825DL

**Manual Integrations APPROVED**

Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

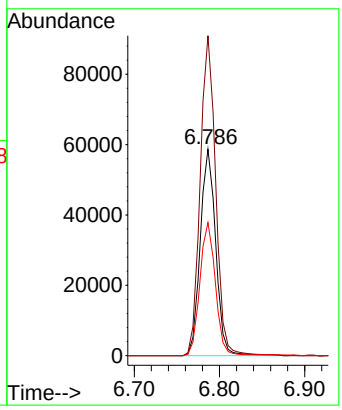





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:152 Resp: 7403

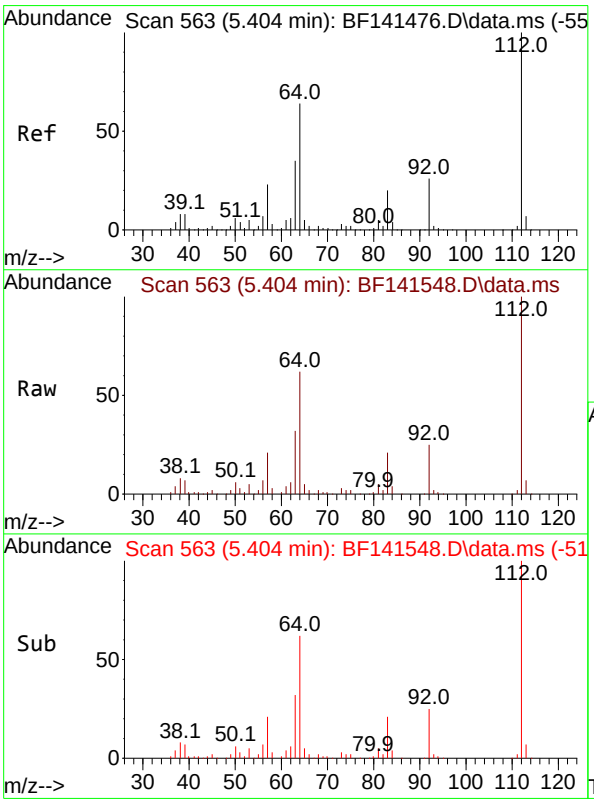
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.0 | 125.0 | 187.4 |
| 115 | 64.5 | 53.6 | 80.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825DL

**Manual Integrations**
**APPROVED**

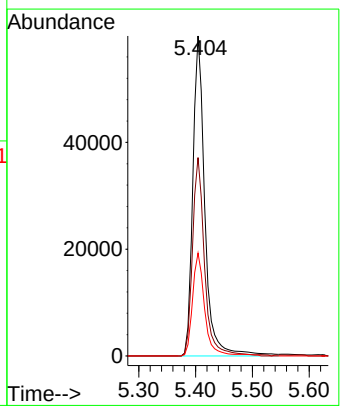
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

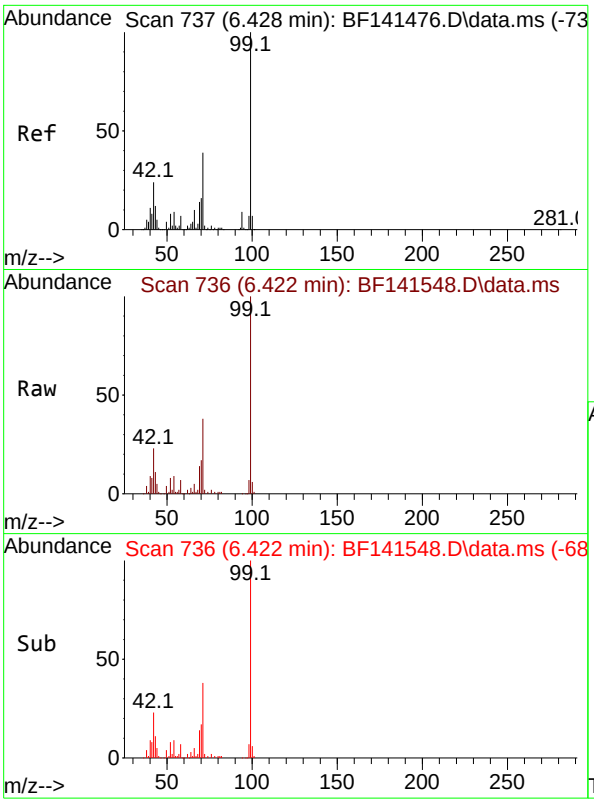



#5
2-Fluorophenol
Concen: 18.818 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:112 Resp: 88865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.0 | 51.1 | 76.7 |
| 63 | 32.2 | 28.4 | 42.6 |

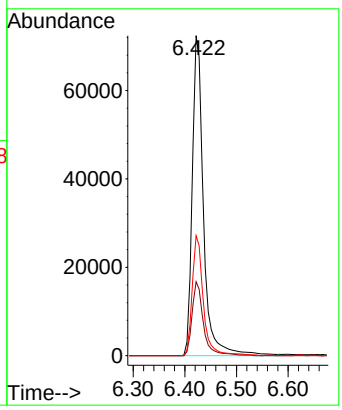





#7
Phenol-d6
Concen: 18.393 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion: 99 Resp: 10978

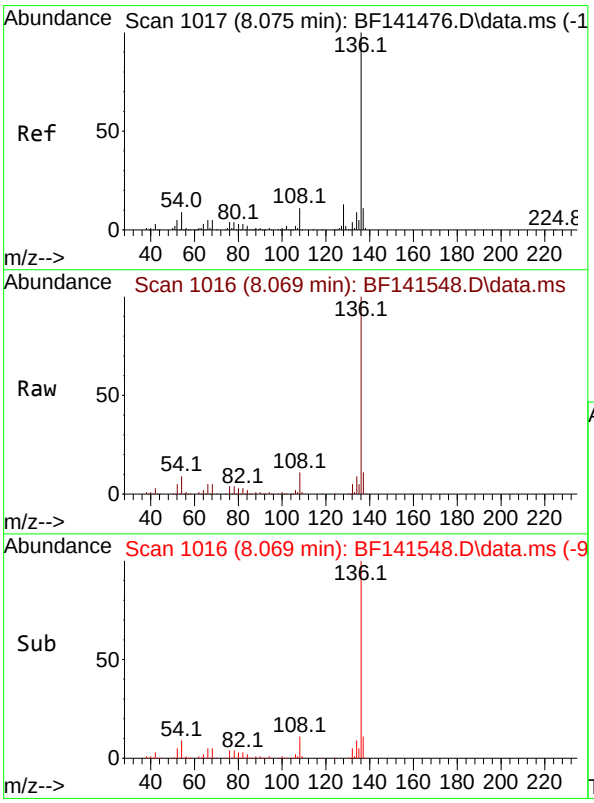
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.1 | 19.1 | 28.7 |
| 71 | 37.5 | 31.1 | 46.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825DL

**Manual Integrations**
**APPROVED**

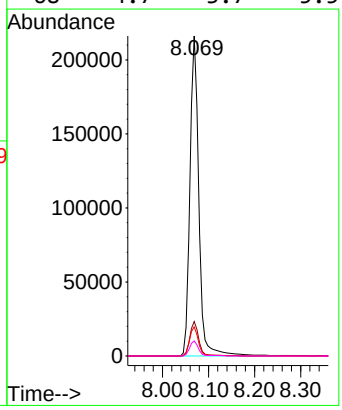
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

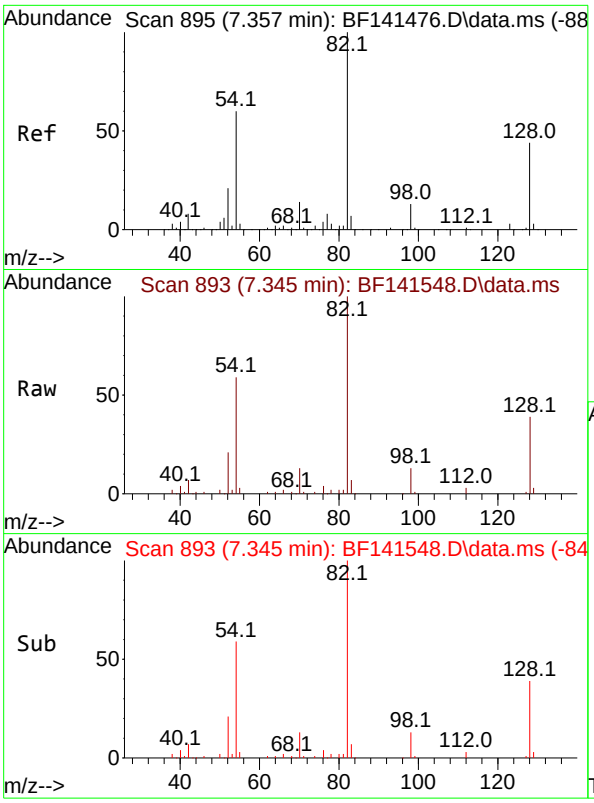



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:136 Resp: 289660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.6 | 13.0 |
| 54 | 9.1 | 7.2 | 10.8 |
| 68 | 4.7 | 3.7 | 5.5 |

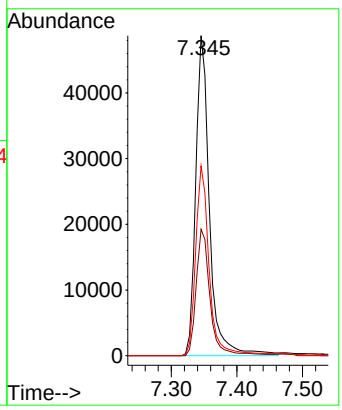





#23
Nitrobenzene-d5
Concen: 12.807 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion: 82 Resp: 7112

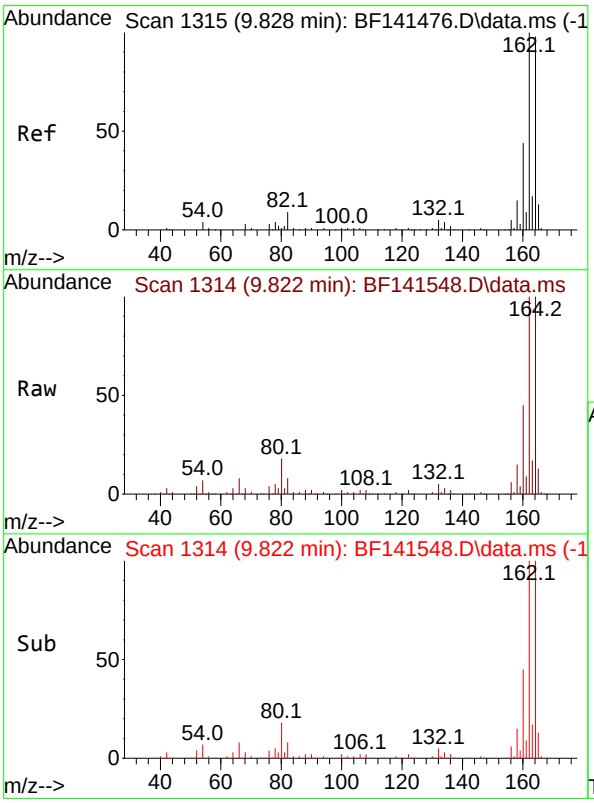
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.5 | 34.8 | 52.2 |
| 54 | 59.3 | 48.2 | 72.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825DL

**Manual Integrations**
**APPROVED**

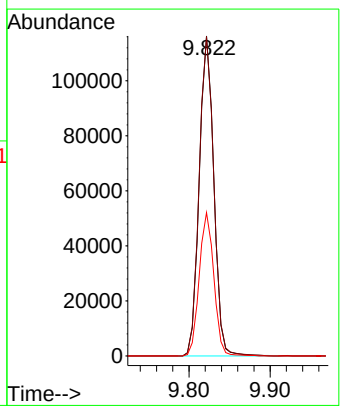
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

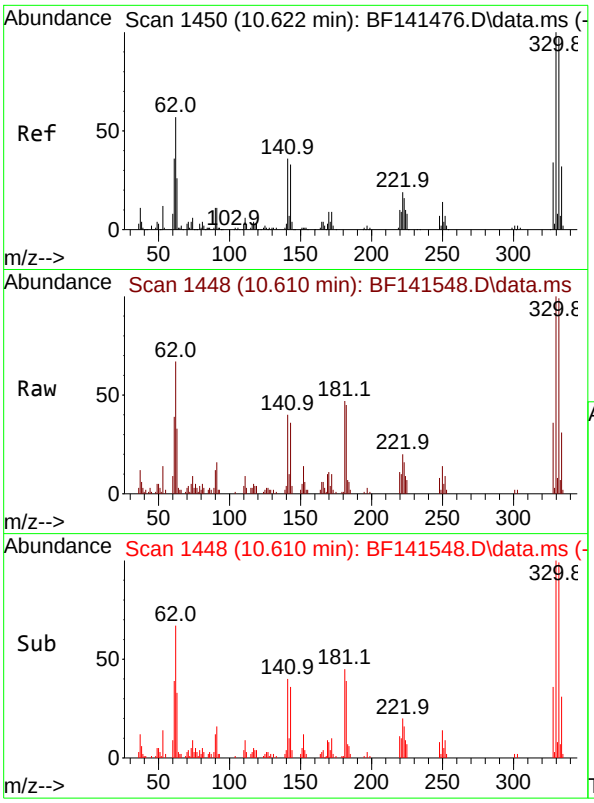



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:164 Resp: 144714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.8 | 81.3 | 121.9 |
| 160 | 44.8 | 35.9 | 53.9 |






#42
2,4,6-Tribromophenol
Concen: 14.002 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

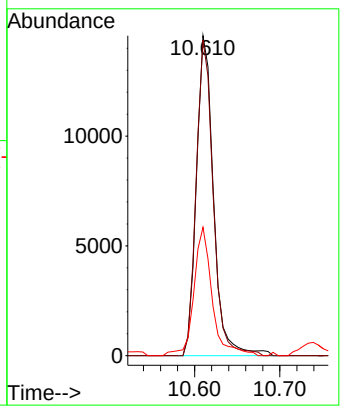
Tgt Ion:330 Resp: 2035

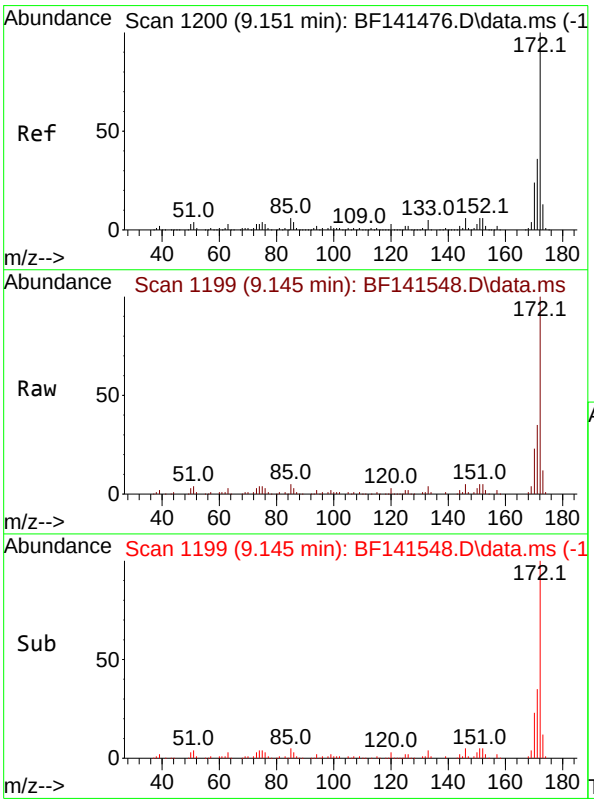
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.7 | 78.5 | 117.7 |
| 141 | 42.7 | 31.0 | 46.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825DL

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

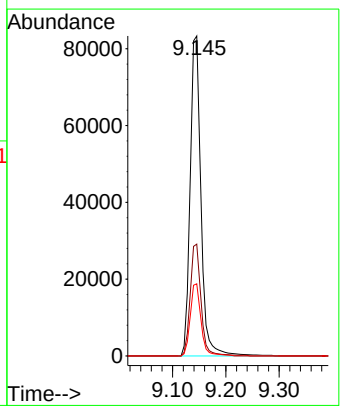


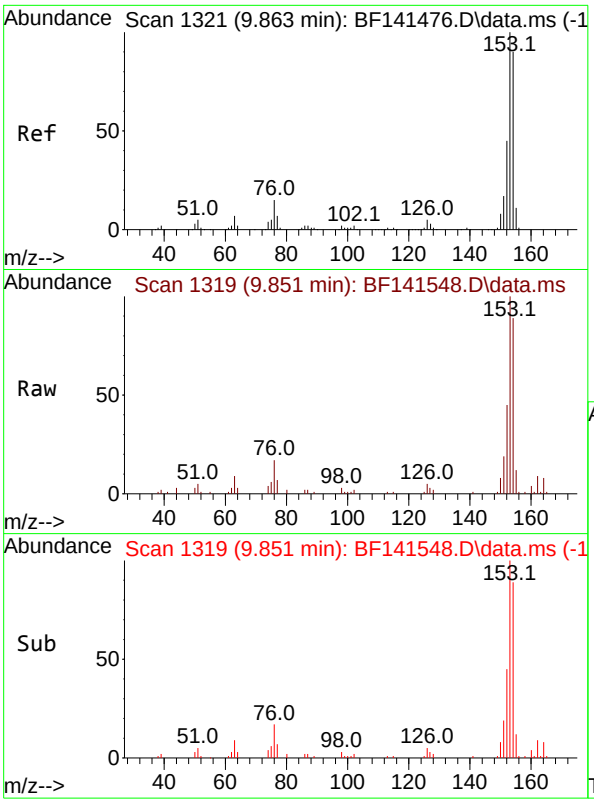




#45
2-Fluorobiphenyl
Concen: 12.541 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:172 Resp: 117797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 28.7 | 43.1 |
| 170 | 22.6 | 18.9 | 28.3 |

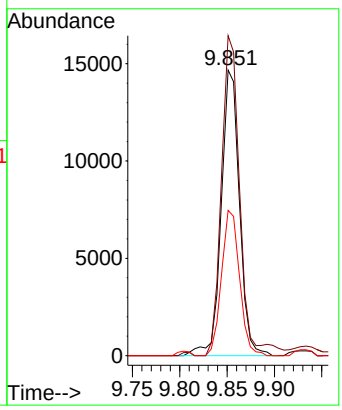





#52
Acenaphthene
Concen: 2.369 ng
RT: 9.851 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:154 Resp: 1965

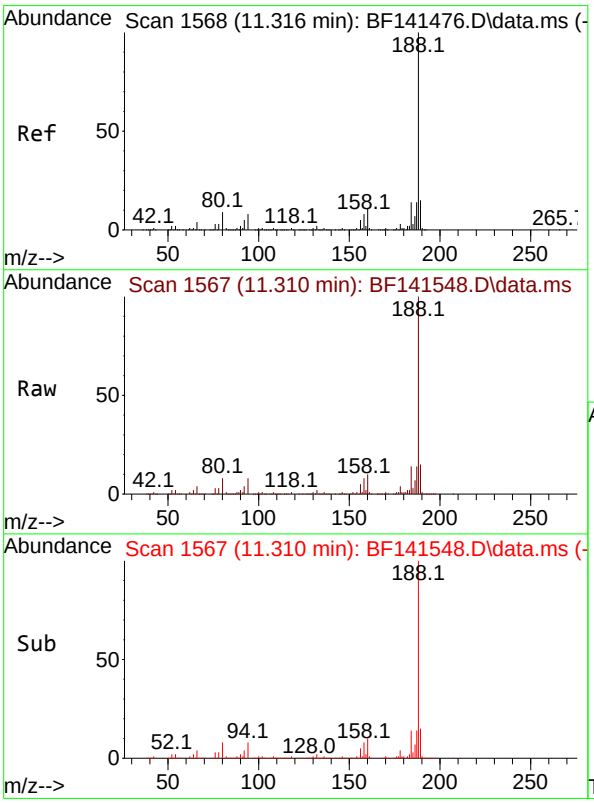
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.0 | 89.2 | 133.8 |
| 152 | 50.9 | 39.8 | 59.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825DL

**Manual Integrations**
**APPROVED**

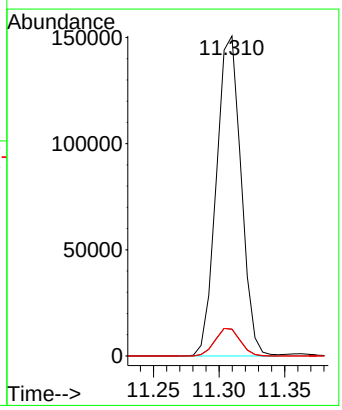
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

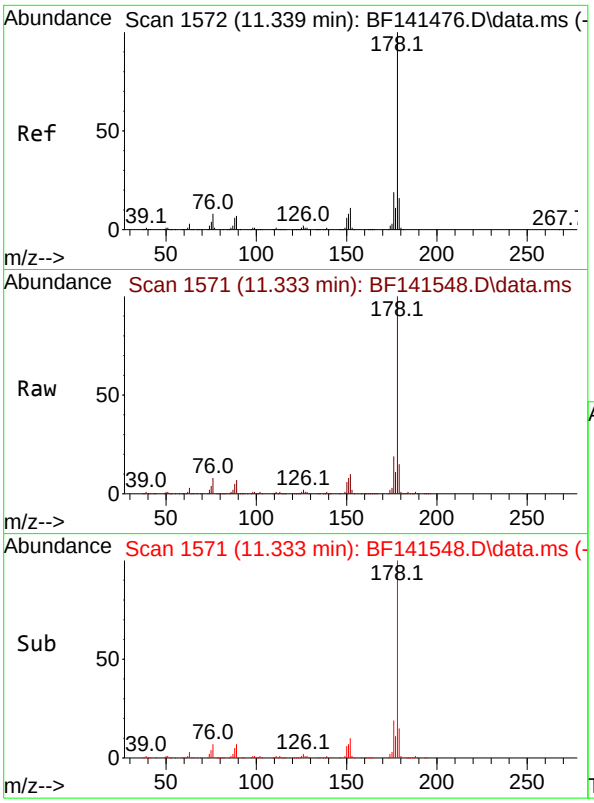



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:188 Resp: 197252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.3 | 6.6 | 10.0 |
| 80 | 8.4 | 7.3 | 10.9 |






#71
Phenanthrene
Concen: 34.022 ng
RT: 11.333 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

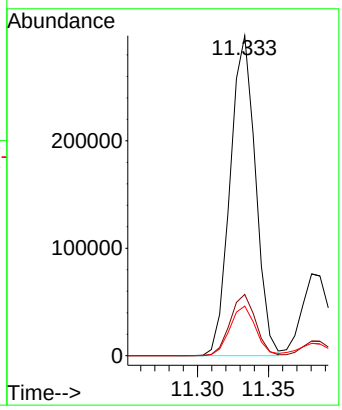
Tgt Ion:178 Resp: 36940

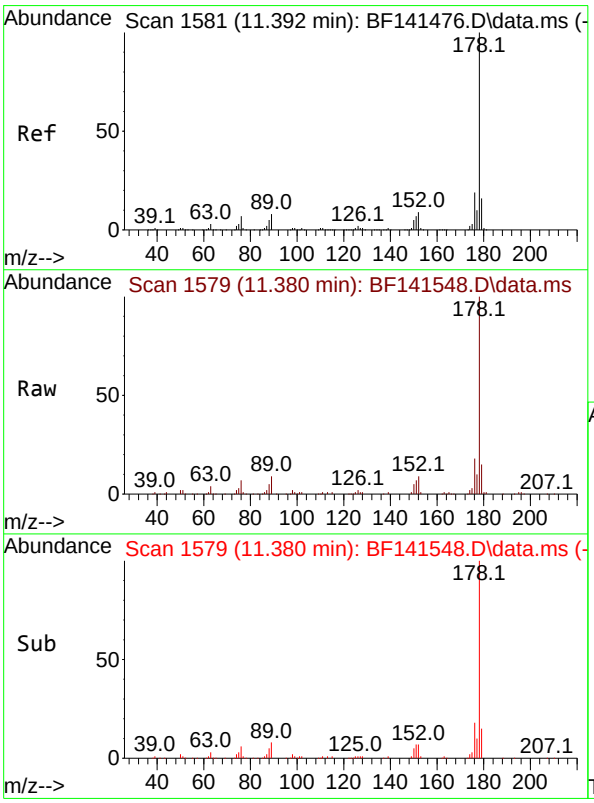
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.4 | 23.0 |
| 179 | 15.5 | 12.4 | 18.6 |

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825DL

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

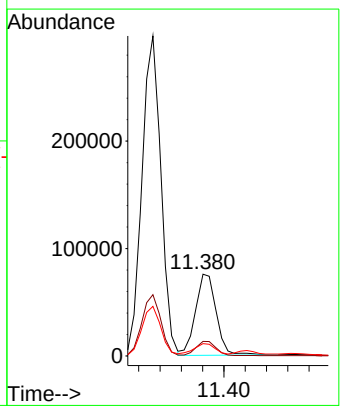


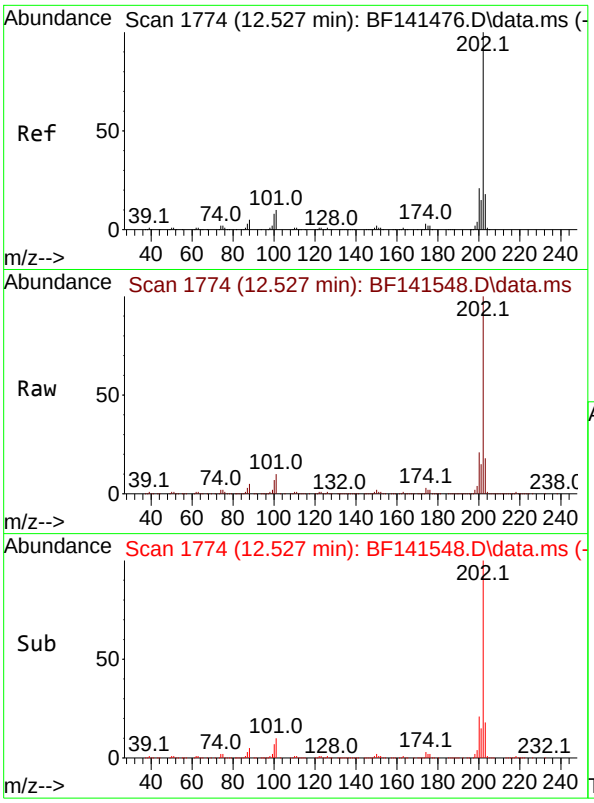




#72
Anthracene
Concen: 9.393 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.018 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:178 Resp: 102524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.9 | 14.8 | 22.2 |
| 179 | 15.2 | 12.4 | 18.6 |

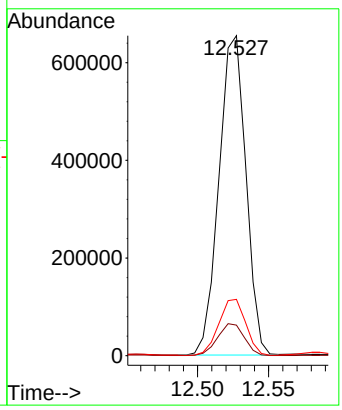





#75
Fluoranthene
Concen: 75.127 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:202 Resp: 86482

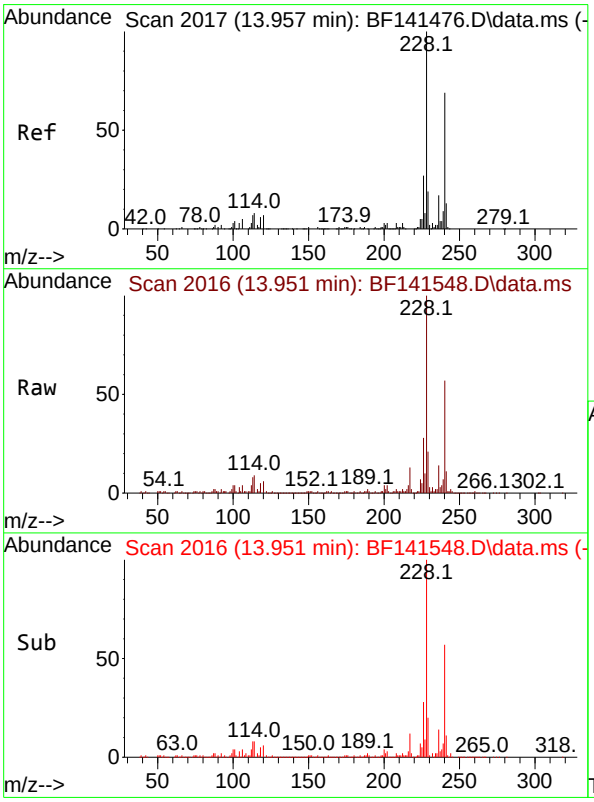
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.5 | 0.0 | 30.2 |
| 203 | 17.6 | 0.0 | 37.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825DL

**Manual Integrations**
**APPROVED**

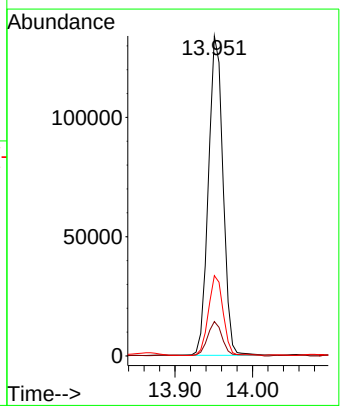
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

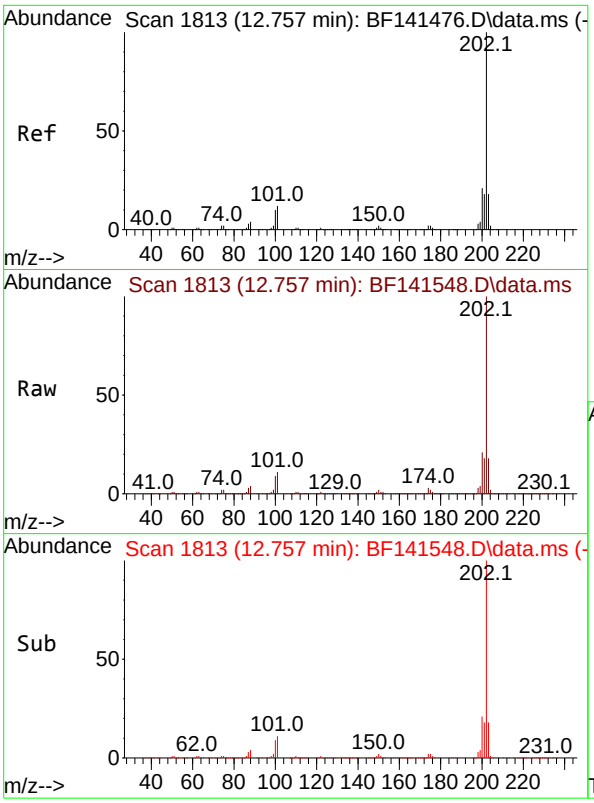



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:240 Resp: 174653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.7 | 8.0 | 12.0 |
| 236 | 25.1 | 19.8 | 29.8 |

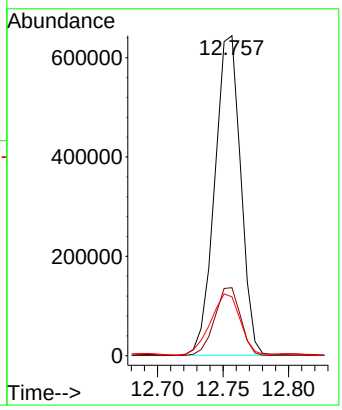





#78
Pyrene
Concen: 59.528 ng
RT: 12.757 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:202 Resp: 88503

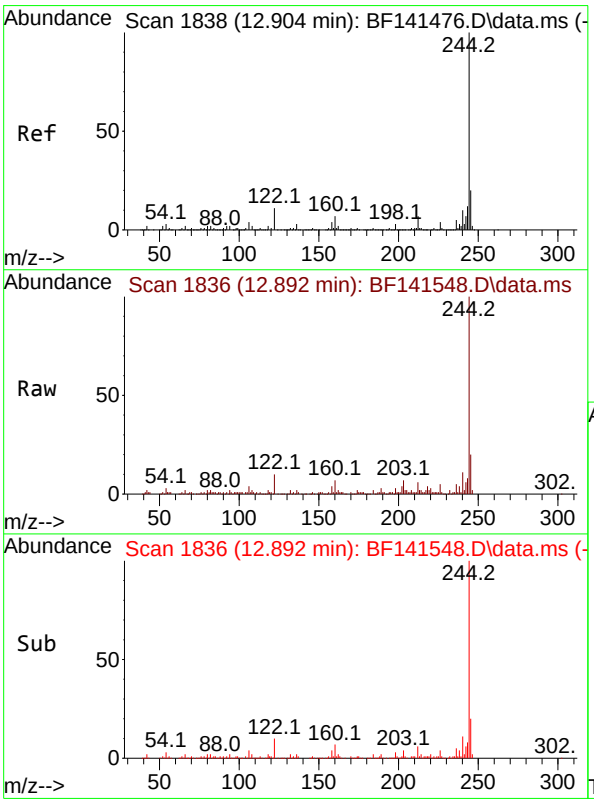
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 17.0 | 25.4 |
| 203 | 18.4 | 14.3 | 21.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825DL

**Manual Integrations**
**APPROVED**

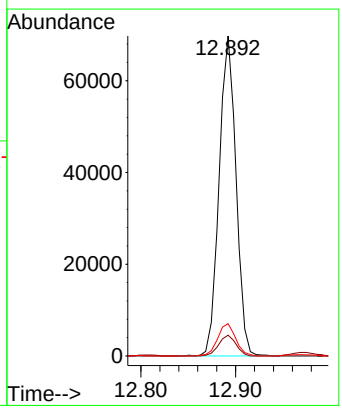
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

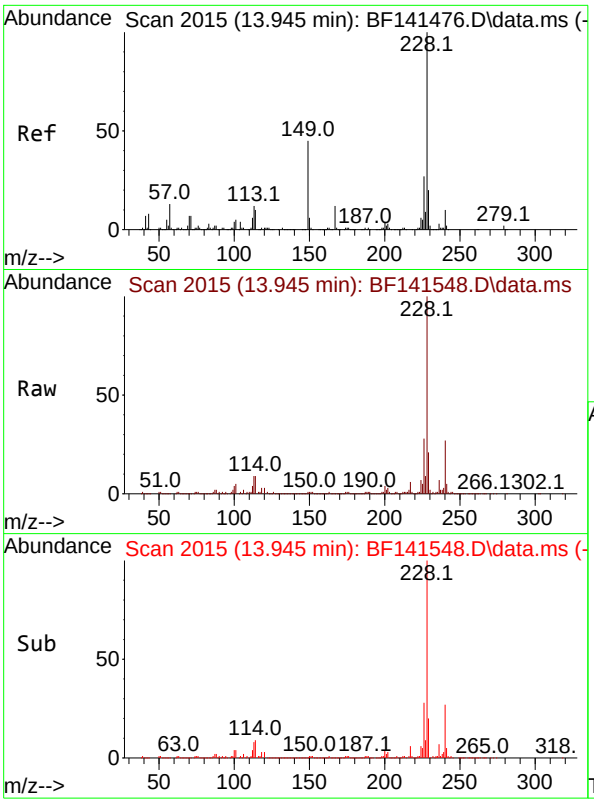



#79
Terphenyl-d14
Concen: 8.374 ng
RT: 12.892 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:244 Resp: 86634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.5 | 5.6 | 8.4 |
| 122 | 10.1 | 8.4 | 12.6 |

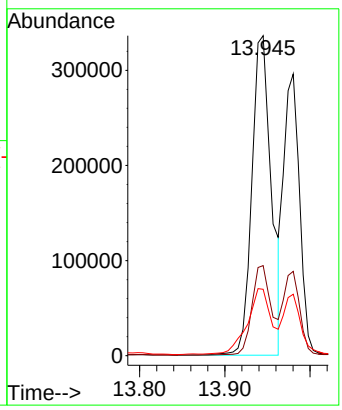





#81
Benzo(a)anthracene
Concen: 45.946 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:228 Resp: 533419

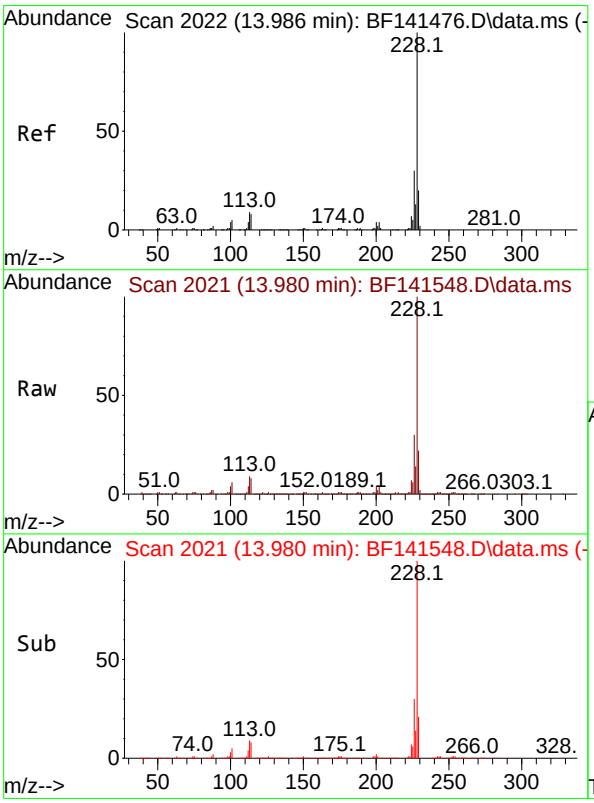
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.1 | 21.8 | 32.8 |
| 229 | 20.7 | 15.8 | 23.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825DL

**Manual Integrations**
**APPROVED**

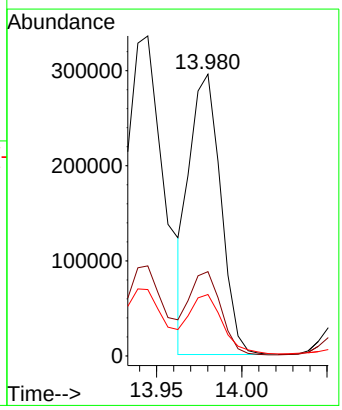
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

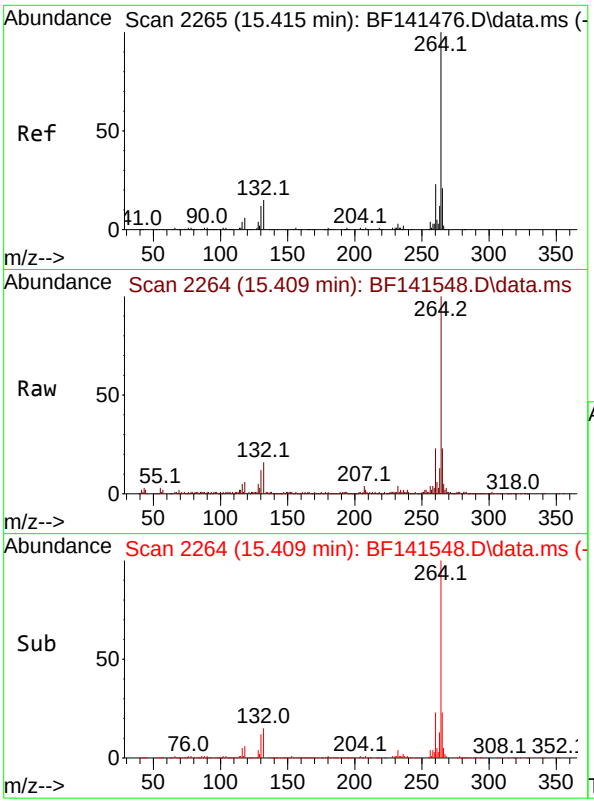



#83
Chrysene
Concen: 35.284 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:228 Resp: 378245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 24.0 | 36.0 |
| 229 | 21.8 | 15.7 | 23.5 |

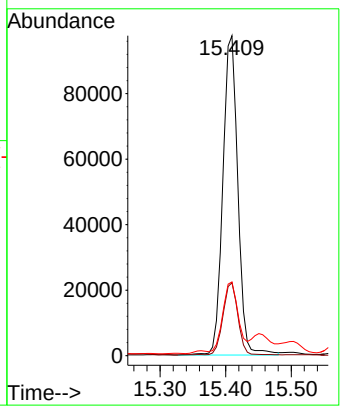





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:264 Resp: 15442

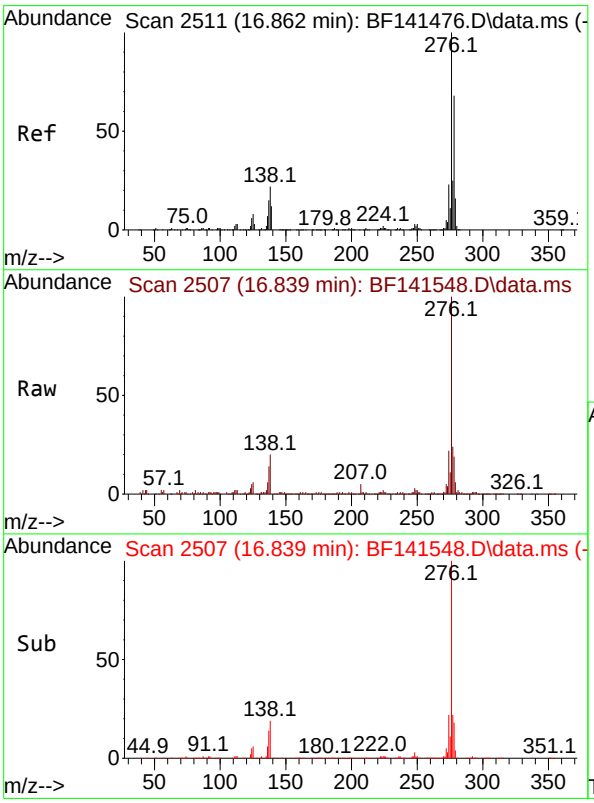
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.8 | 18.6 | 28.0 |
| 265 | 23.1 | 17.0 | 25.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825DL

**Manual Integrations**
**APPROVED**

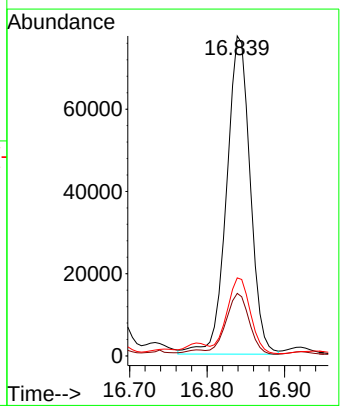
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

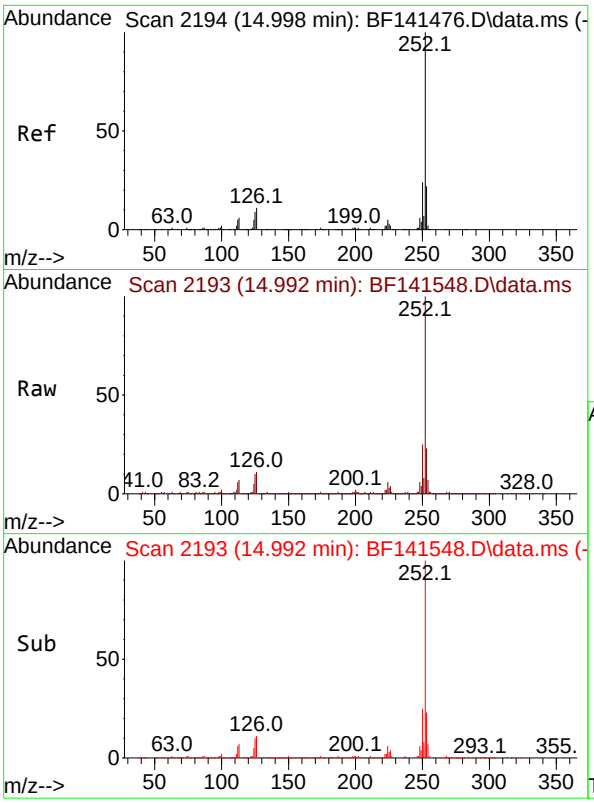



#87
Indeno(1,2,3-cd)pyrene
Concen: 17.219 ng
RT: 16.839 min Scan# 2507
Delta R.T. -0.035 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:276 Resp: 164290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.7 | 18.0 | 27.0 |
| 277 | 23.6 | 20.4 | 30.6 |

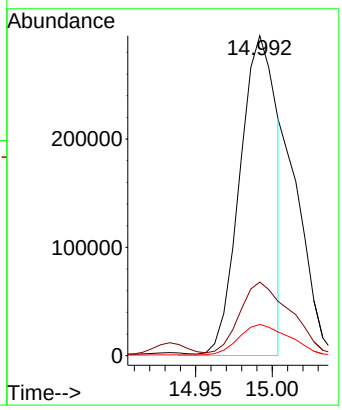





#88
Benzo(b)fluoranthene
Concen: 47.166 ng m
RT: 14.992 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:252 Resp: 48904

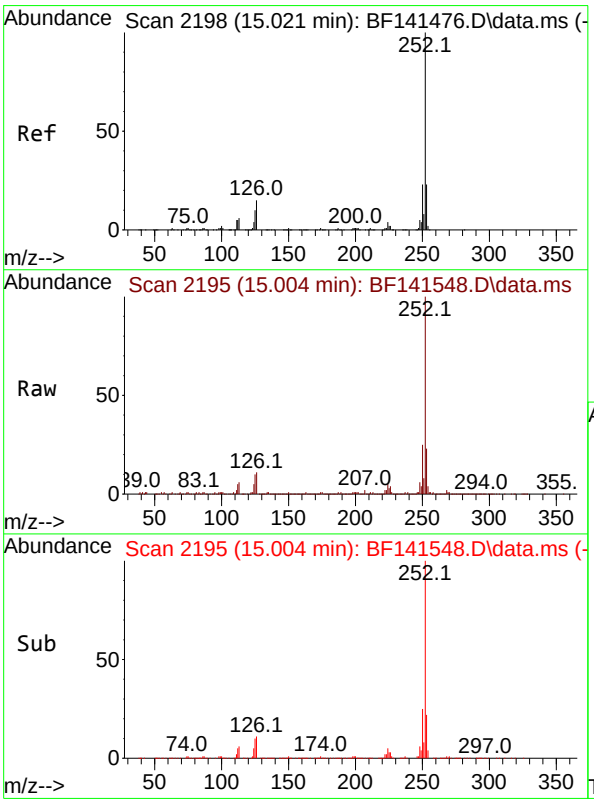
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 17.5 | 26.3 |
| 125 | 9.8 | 7.0 | 10.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825DL

**Manual Integrations**
**APPROVED**

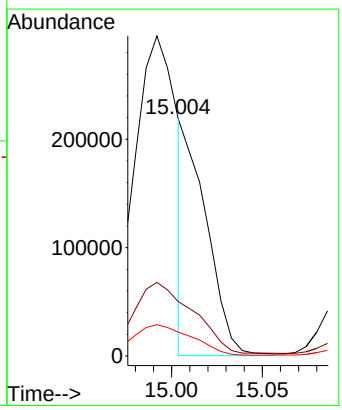
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

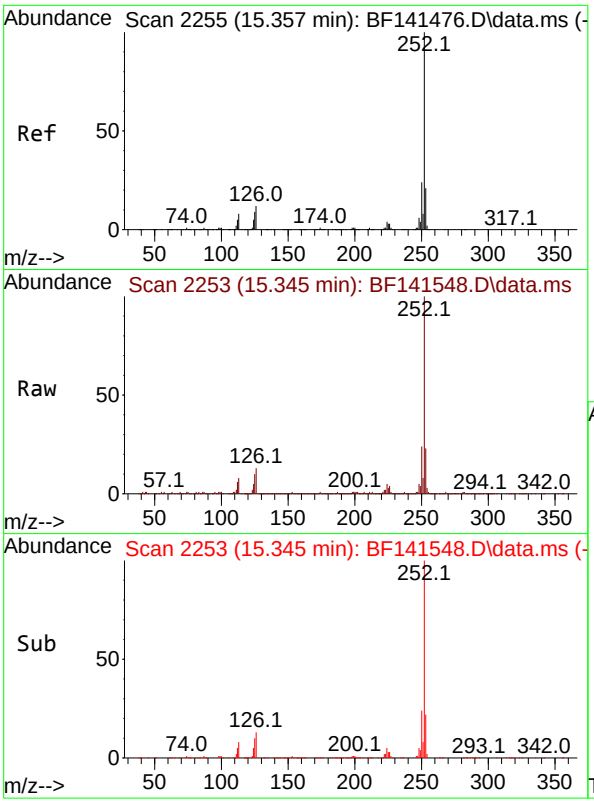



#89
Benzo(k)fluoranthene
Concen: 21.380 ng m
RT: 15.004 min Scan# 2195
Delta R.T. -0.029 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:252 Resp: 189292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 18.0 | 27.0 |
| 125 | 10.0 | 7.4 | 11.0 |

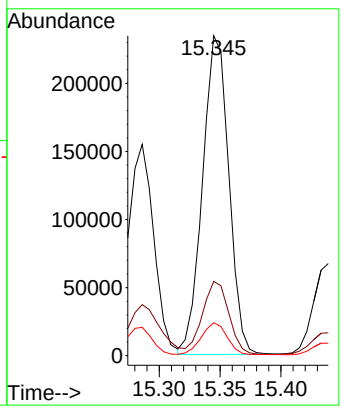





#90
Benzo(a)pyrene
Concen: 42.037 ng
RT: 15.345 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:252 Resp: 35268

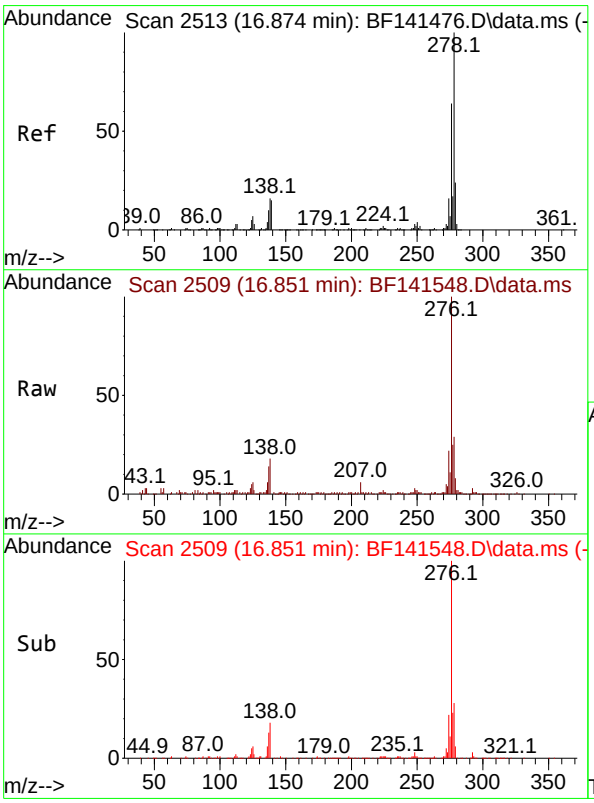
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.1 | 25.7 |
| 125 | 10.3 | 7.4 | 11.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825DL

**Manual Integrations**
**APPROVED**

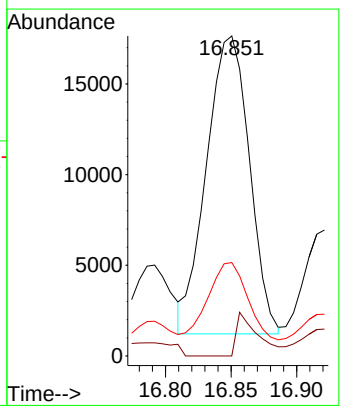
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

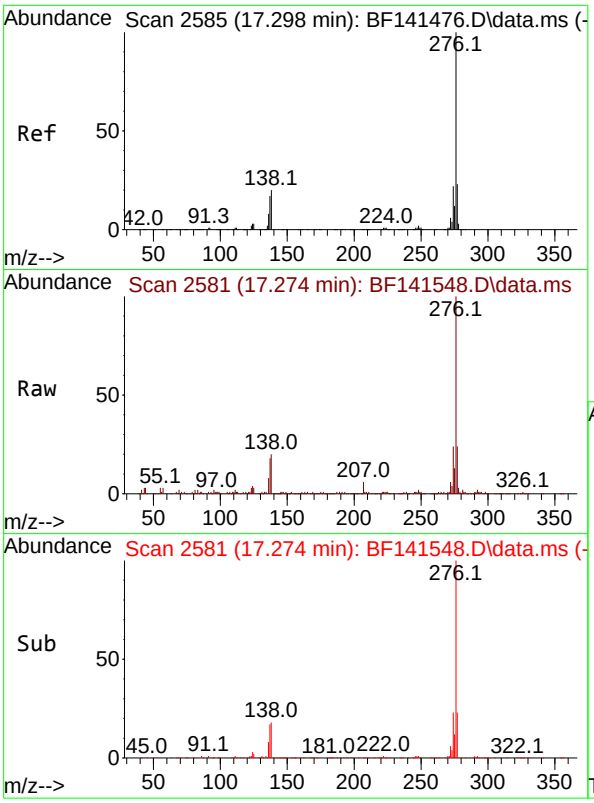



#91
Dibenzo(a,h)anthracene
Concen: 4.845 ng m
RT: 16.851 min Scan# 2509
Delta R.T. -0.041 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:278 Resp: 37455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 0.0 | 11.8 | 17.6# |
| 279 | 29.2 | 19.1 | 28.7# |

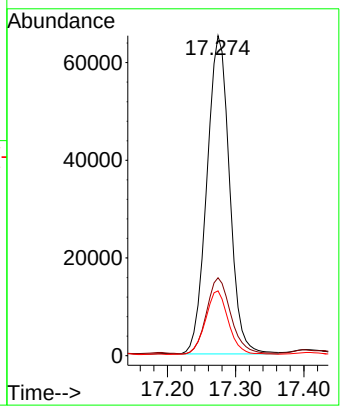





#92
Benzo(g,h,i)perylene
Concen: 18.627 ng
RT: 17.274 min Scan# 2
Delta R.T. -0.041 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:276 Resp: 150699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.3 | 18.6 | 28.0 |
| 138 | 20.2 | 15.9 | 23.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.1-012825DL

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-26.2-012825 | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-19 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 85.8 |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141391.D | 2 | 01/30/25 09:15 | 02/04/25 01:16 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 770 | U | 420 | 770 | ug/Kg |
| 108-95-2 | Phenol | 400 | U | 190 | 400 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 400 | U | 190 | 400 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 400 | U | 190 | 400 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 400 | U | 190 | 400 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 400 | U | 210 | 400 | ug/Kg |
| 98-86-2 | Acetophenone | 400 | U | 200 | 400 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 770 | U | 190 | 770 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 190 | U | 93.7 | 190 | ug/Kg |
| 67-72-1 | Hexachloroethane | 400 | U | 190 | 400 | ug/Kg |
| 98-95-3 | Nitrobenzene | 400 | U | 210 | 400 | ug/Kg |
| 78-59-1 | Isophorone | 400 | U | 200 | 400 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 400 | U | 220 | 400 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 400 | U | 220 | 400 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 400 | U | 200 | 400 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 400 | U | 180 | 400 | ug/Kg |
| 91-20-3 | Naphthalene | 400 | U | 190 | 400 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 400 | U | 190 | 400 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 400 | U | 190 | 400 | ug/Kg |
| 105-60-2 | Caprolactam | 770 | U | 200 | 770 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 400 | U | 180 | 400 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 400 | U | 190 | 400 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 770 | UQ | 360 | 770 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 400 | U | 170 | 400 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 400 | U | 170 | 400 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 400 | U | 200 | 400 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 400 | U | 190 | 400 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 400 | U | 220 | 400 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 400 | U | 190 | 400 | ug/Kg |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-26.2-012825 | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-19 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 85.8 |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141391.D | 2 | 01/30/25 09:15 | 02/04/25 01:16 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 400 | U | 200 | 400 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 400 | U | 190 | 400 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 400 | U | 210 | 400 | ug/Kg |
| 83-32-9 | Acenaphthene | 400 | U | 190 | 400 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 770 | U | 570 | 770 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 770 | U | 270 | 770 | ug/Kg |
| 132-64-9 | Dibenzofuran | 400 | U | 200 | 400 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 400 | U | 200 | 400 | ug/Kg |
| 84-66-2 | Diethylphthalate | 400 | U | 190 | 400 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 400 | U | 200 | 400 | ug/Kg |
| 86-73-7 | Fluorene | 400 | U | 200 | 400 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 400 | U | 250 | 400 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 770 | U | 270 | 770 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 400 | U | 190 | 400 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 400 | U | 180 | 400 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 400 | U | 200 | 400 | ug/Kg |
| 1912-24-9 | Atrazine | 400 | U | 210 | 400 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 770 | U | 180 | 770 | ug/Kg |
| 85-01-8 | Phenanthrene | 1900 | | 200 | 400 | ug/Kg |
| 120-12-7 | Anthracene | 470 | | 200 | 400 | ug/Kg |
| 86-74-8 | Carbazole | 400 | U | 190 | 400 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 400 | U | 200 | 400 | ug/Kg |
| 206-44-0 | Fluoranthene | 3100 | | 190 | 400 | ug/Kg |
| 129-00-0 | Pyrene | 2000 | | 190 | 400 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 400 | U | 230 | 400 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 770 | UQ | 230 | 770 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 1300 | | 190 | 400 | ug/Kg |
| 218-01-9 | Chrysene | 1200 | | 180 | 400 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 400 | U | 210 | 400 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 770 | U | 260 | 770 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 1600 | | 190 | 400 | ug/Kg |

Raw Data: **BF141391.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-26.2-012825 | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-19 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 85.8 |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141391.D | 2 | 01/30/25 09:15 | 02/04/25 01:16 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 560 | | 190 | 400 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 1400 | | 220 | 400 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 550 | | 180 | 400 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 400 | U | 190 | 400 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 650 | | 190 | 400 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 400 | U | 200 | 400 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 400 | U | 260 | 400 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 400 | U | 170 | 400 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 81.6 | | 18 - 112 | 54% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 78.7 | | 15 - 107 | 52% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 60.3 | | 18 - 107 | 60% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 66.5 | | 20 - 109 | 66% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 57.9 | | 10 - 116 | 39% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 45.1 | | 10 - 105 | 45% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 84000 | 6.792 | | | |
| 1146-65-2 | Naphthalene-d8 | 310000 | 8.075 | | | |
| 15067-26-2 | Acenaphthene-d10 | 144000 | 9.828 | | | |
| 1517-22-2 | Phenanthrene-d10 | 204000 | 11.316 | | | |
| 1719-03-5 | Chrysene-d12 | 172000 | 13.957 | | | |
| 1520-96-3 | Perylene-d12 | 128000 | 15.404 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |
| 000119-61-9 | Benzophenone | 190 | J | | 10.5 | ug/Kg |
| 000779-02-2 | Anthracene, 9-methyl- | 220 | J | | 11.8 | ug/Kg |
| 002531-84-2 | Phenanthrene, 2-methyl- | 470 | J | | 11.8 | ug/Kg |
| 000203-64-5 | 4H-Cyclopenta[def]phenanthrene | 550 | J | | 11.9 | ug/Kg |
| 000612-94-2 | Naphthalene, 2-phenyl- | 210 | J | | 12.1 | ug/Kg |
| 1000197-14-1 | 4b,8-Dimethyl-2-isopropylphenanthr | 220 | J | | 12.3 | ug/Kg |
| 002381-21-7 | Pyrene, 1-methyl- | 160 | J | | 13.0 | ug/Kg |

Raw Data: **BF141391.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-26.2-012825 | SDG No.: | Q1216 |
| Lab Sample ID: | Q1216-19 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 85.8 |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141391.D | 2 | 01/30/25 09:15 | 02/04/25 01:16 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 003442-78-2 | Pyrene, 2-methyl- | 320 | J | | 13.2 | ug/Kg |
| 000192-97-2 | Benzo[e]pyrene | 1100 | J | | 15.3 | ug/Kg |

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

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

Sample Results: **BF141391.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141391.D
Acq On : 04 Feb 2025 01:16
Operator : RC/JU
Sample : Q1216-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 04 01:56:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.792 | 152 | 83992 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.075 | 136 | 310163 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.828 | 164 | 143586 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.316 | 188 | 203961 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 13.957 | 240 | 171871 | 20.000 | ng | | -0.02 |
| 86) Perylene-d12 | 15.404 | 264 | 127914 | 20.000 | ng | | -0.04 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.416 | 112 | 223170 | 40.791 | ng | | 0.00 |
| 7) Phenol-d6 | 6.434 | 99 | 274019 | 39.371 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.351 | 82 | 177309 | 30.136 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.616 | 330 | 38087 | 28.934 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 9.151 | 172 | 309947 | 33.225 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.904 | 244 | 251554 | 22.572 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 71) Phenanthrene | 11.339 | 178 | 265295 | 24.197 | ng | | 99 |
| 72) Anthracene | 11.392 | 178 | 64936 | 6.045 | ng | | 98 |
| 75) Fluoranthene | 12.527 | 202 | 429491 | 39.674 | ng | | 99 |
| 78) Pyrene | 12.757 | 202 | 426236 | 25.836 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.945 | 228 | 198124 | 16.705 | ng | | 97 |
| 83) Chrysene | 13.980 | 228 | 168700 | 15.521 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.839 | 276 | 58577 | 7.095 | ng | | 94 |
| 88) Benzo(b)fluoranthene | 14.986 | 252 | 171008m | 21.253 | ng | | |
| 89) Benzo(k)fluoranthene | 15.004 | 252 | 51914m | 7.283 | ng | | |
| 90) Benzo(a)pyrene | 15.345 | 252 | 119381 | 17.558 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.851 | 278 | 14802 | 2.228 | ng | # | 87 |
| 92) Benzo(g,h,i)perylene | 17.274 | 276 | 57534 | 8.330 | ng | | 98 |

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

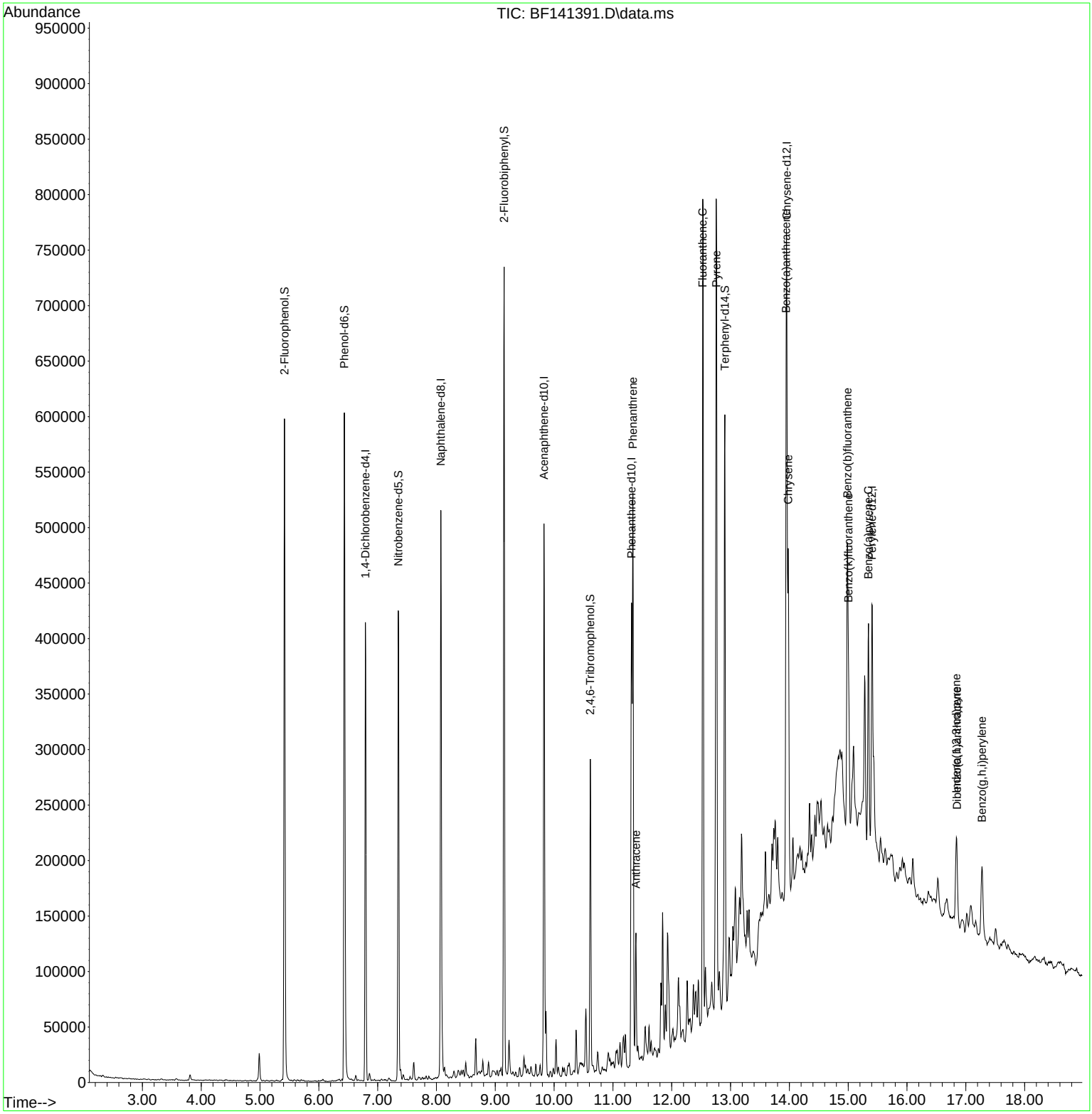
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141391.D
Acq On : 04 Feb 2025 01:16
Operator : RC/JU
Sample : Q1216-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

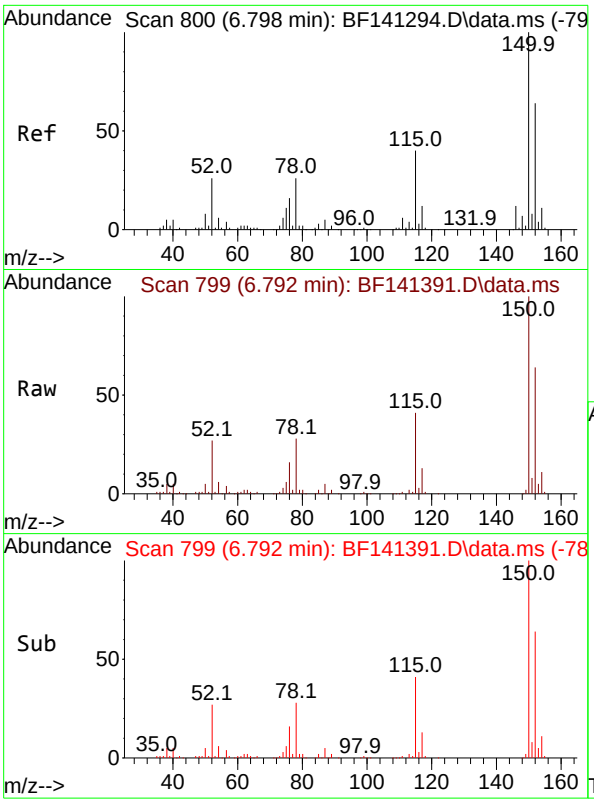
Quant Time: Feb 04 01:56:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

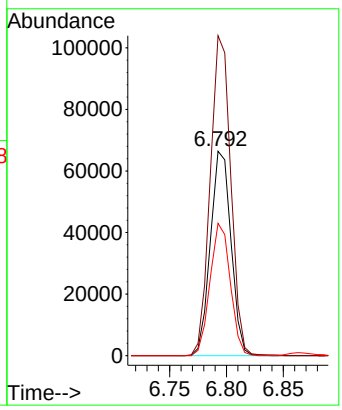





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:152 Resp: 8399

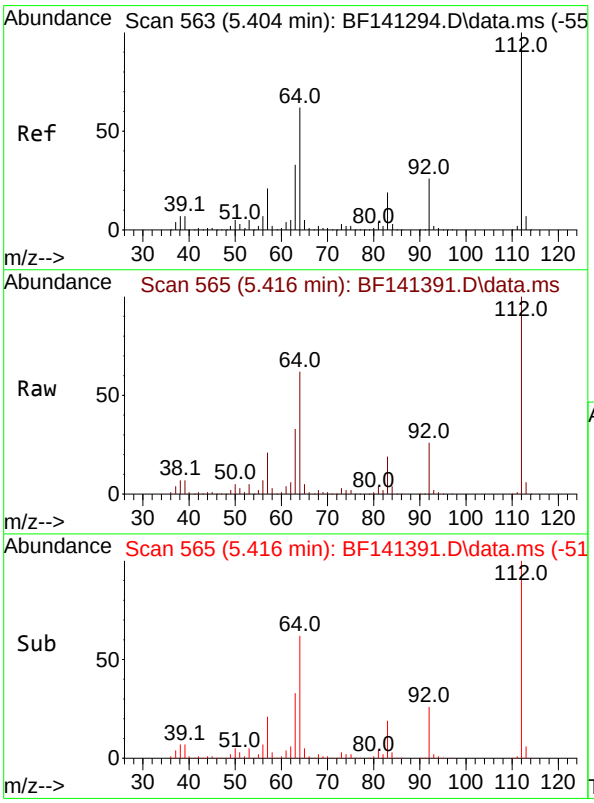
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.5 | 125.9 | 188.9 |
| 115 | 64.7 | 49.7 | 74.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

**Manual Integrations**
**APPROVED**

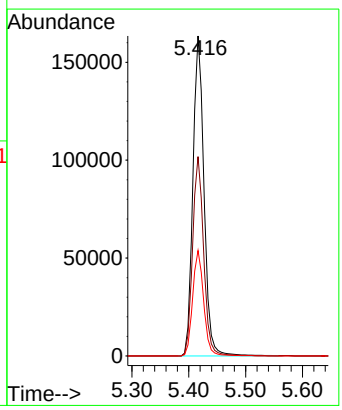
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

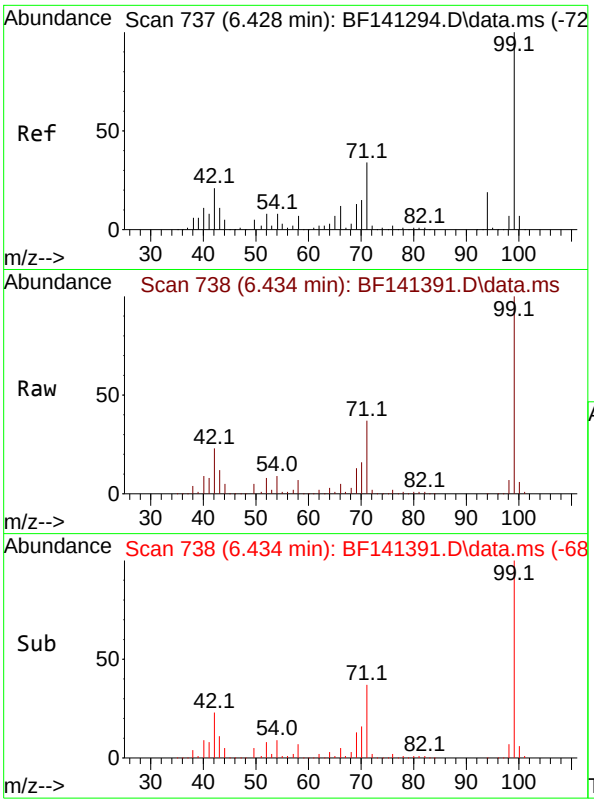



#5
2-Fluorophenol
Concen: 40.791 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:112 Resp: 223170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.3 | 49.8 | 74.8 |
| 63 | 33.0 | 26.1 | 39.1 |

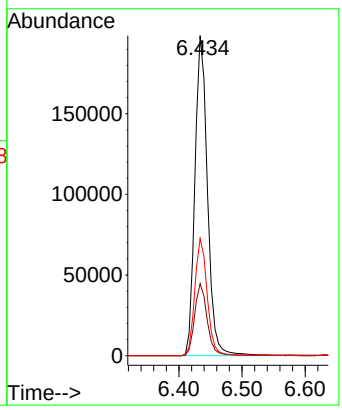





#7
Phenol-d6
Concen: 39.371 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion: 99 Resp: 27401

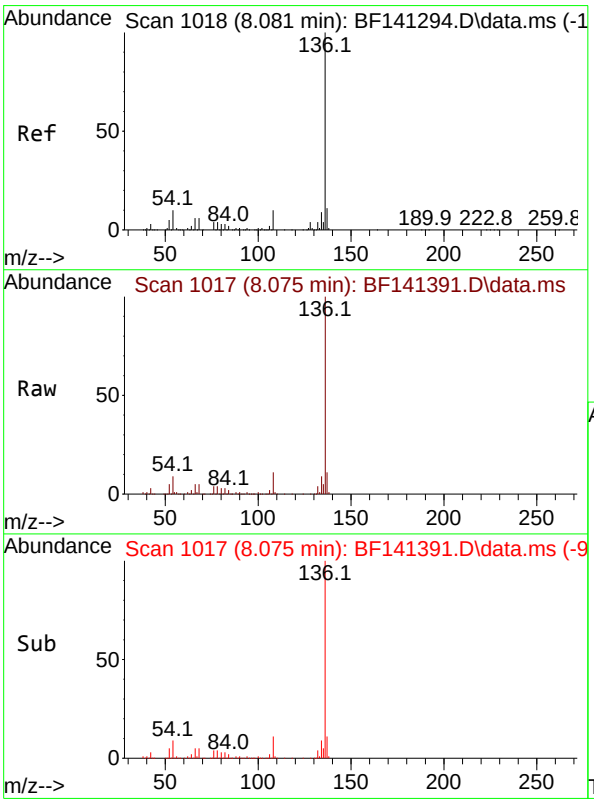
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.5 | 17.1 | 25.7 |
| 71 | 36.6 | 26.9 | 40.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

**Manual Integrations**
**APPROVED**

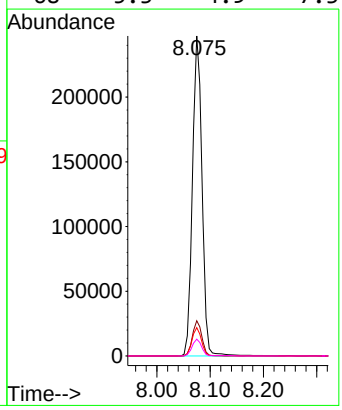
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

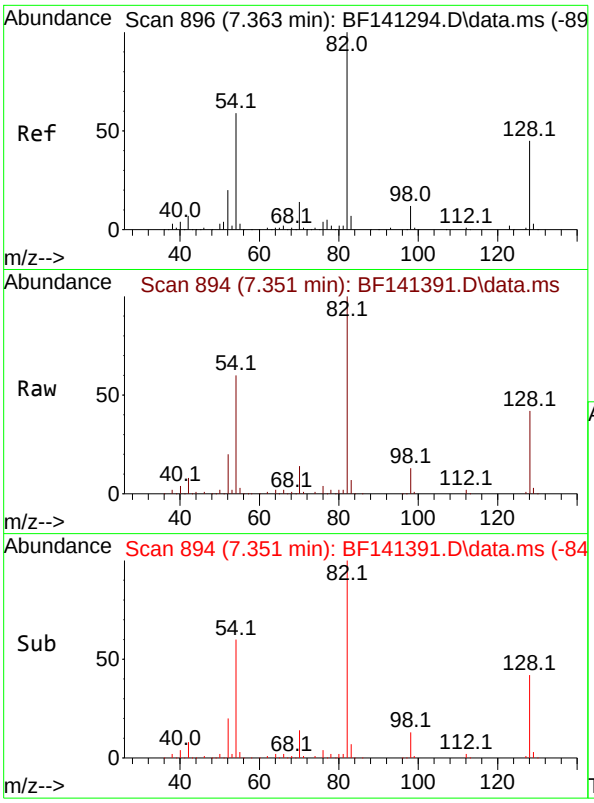



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:136 Resp: 310163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.6 | 13.0 |
| 54 | 8.9 | 7.8 | 11.8 |
| 68 | 5.3 | 4.9 | 7.3 |

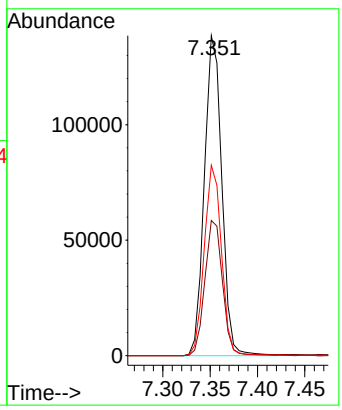





#23
Nitrobenzene-d5
Concen: 30.136 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion: 82 Resp: 17730

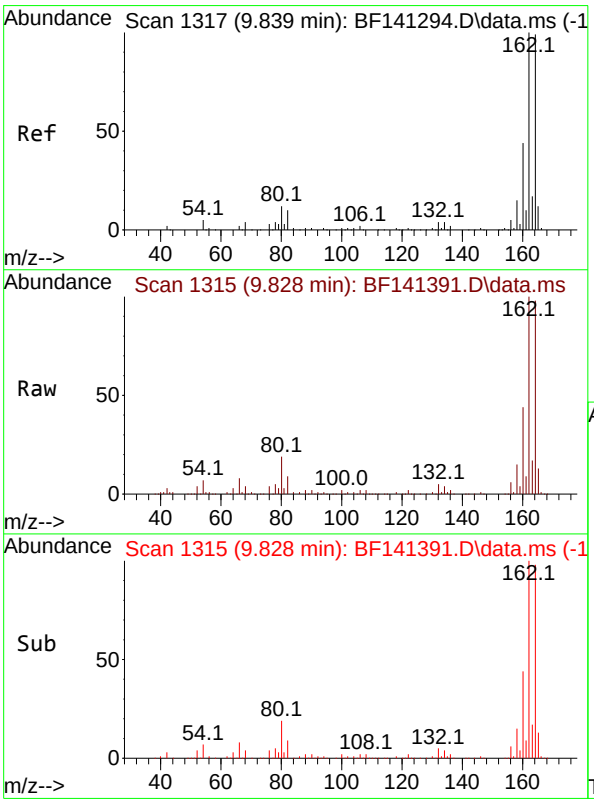
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.3 | 35.7 | 53.5 |
| 54 | 59.5 | 47.1 | 70.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

**Manual Integrations**
**APPROVED**

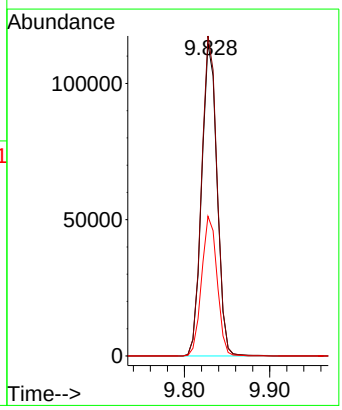
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

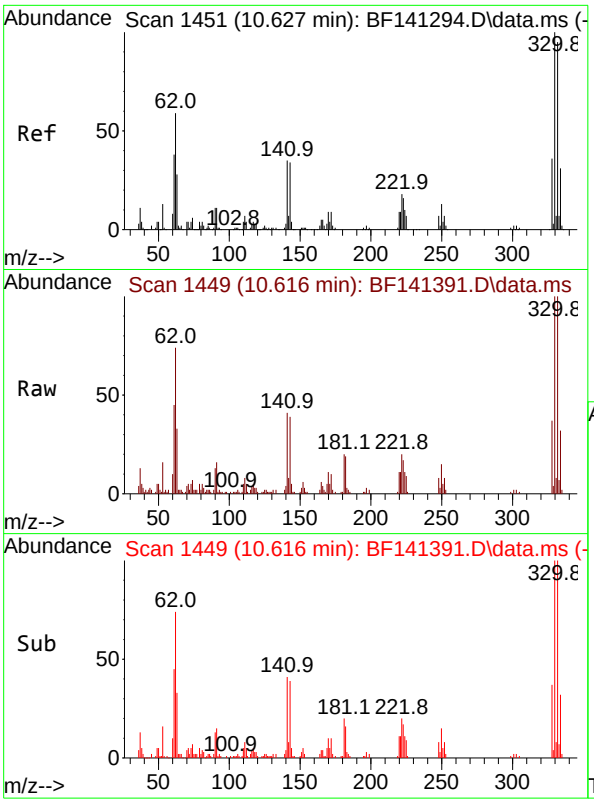



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:164 Resp: 143586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.4 | 80.6 | 121.0 |
| 160 | 44.7 | 35.8 | 53.6 |

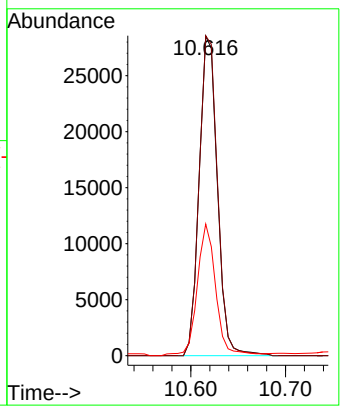





#42
2,4,6-Tribromophenol
Concen: 28.934 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:330 Resp: 3808

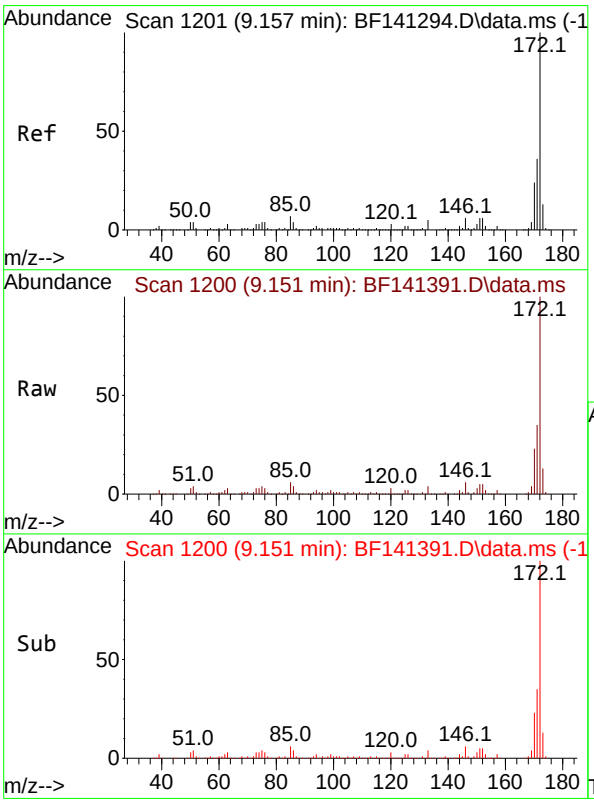
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 100.8 | 76.1 | 114.1 |
| 141 | 42.0 | 28.8 | 43.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

**Manual Integrations**
**APPROVED**

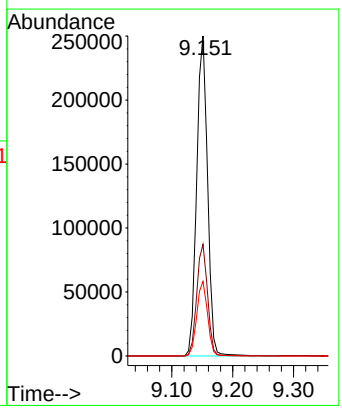
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

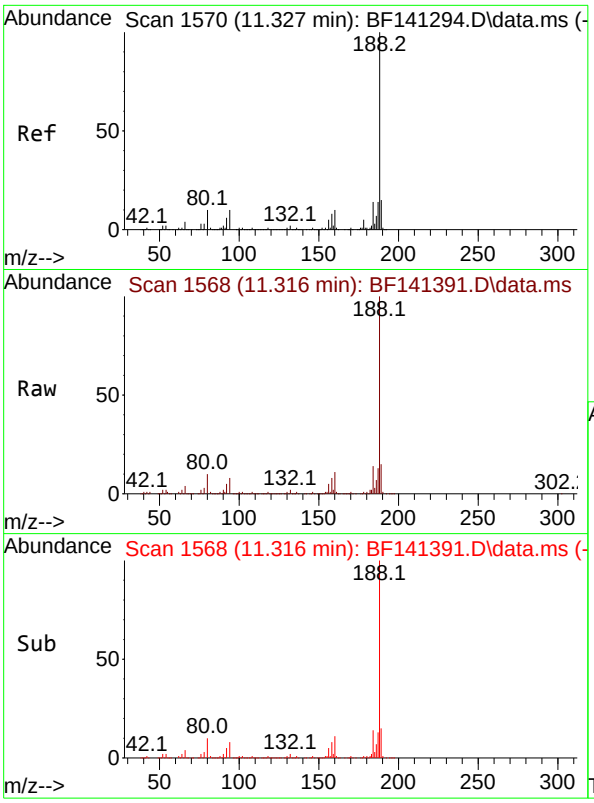



#45
2-Fluorobiphenyl
Concen: 33.225 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:172 Resp: 309947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 28.8 | 43.2 |
| 170 | 23.3 | 19.0 | 28.6 |

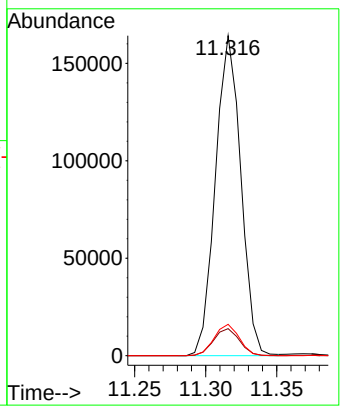





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:188 Resp: 20396

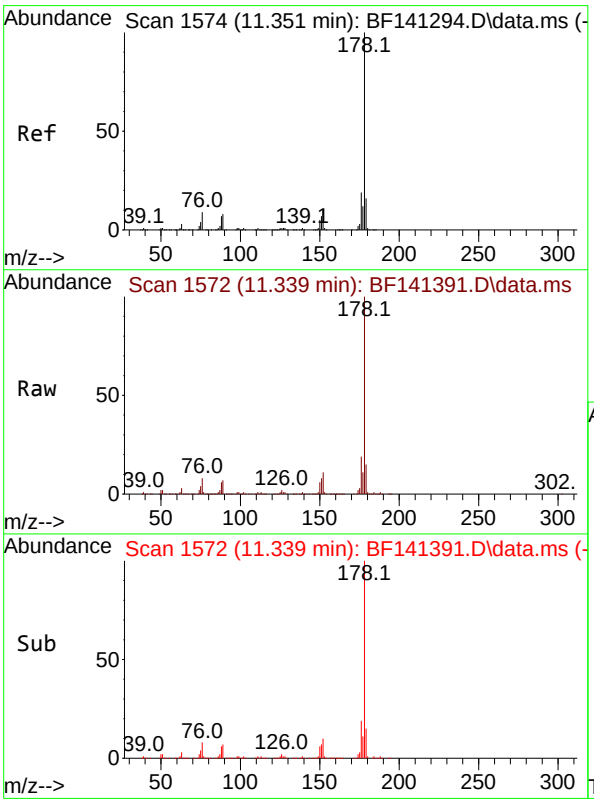
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 7.8 | 11.6 |
| 80 | 9.8 | 8.2 | 12.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

**Manual Integrations**
**APPROVED**

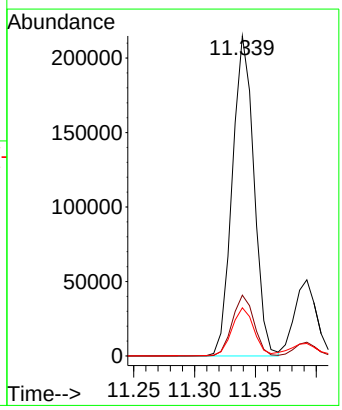
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

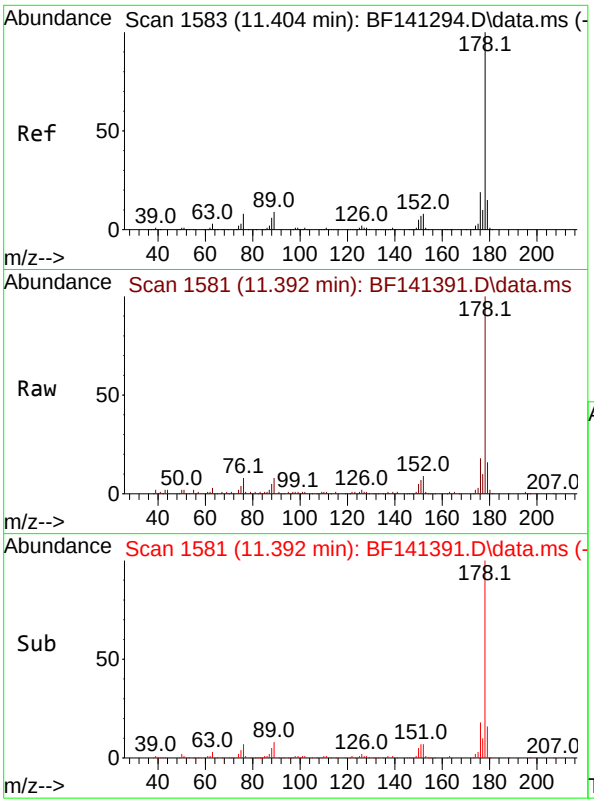



#71
Phenanthrene
Concen: 24.197 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:178 Resp: 265295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.3 | 22.9 |
| 179 | 15.1 | 12.5 | 18.7 |

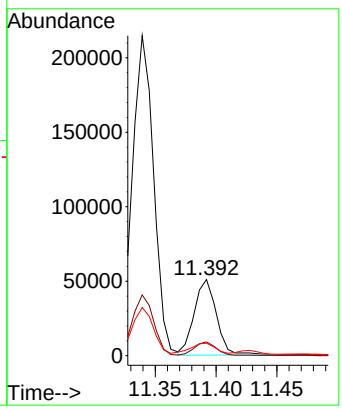





#72
Anthracene
Concen: 6.045 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:178 Resp: 6493

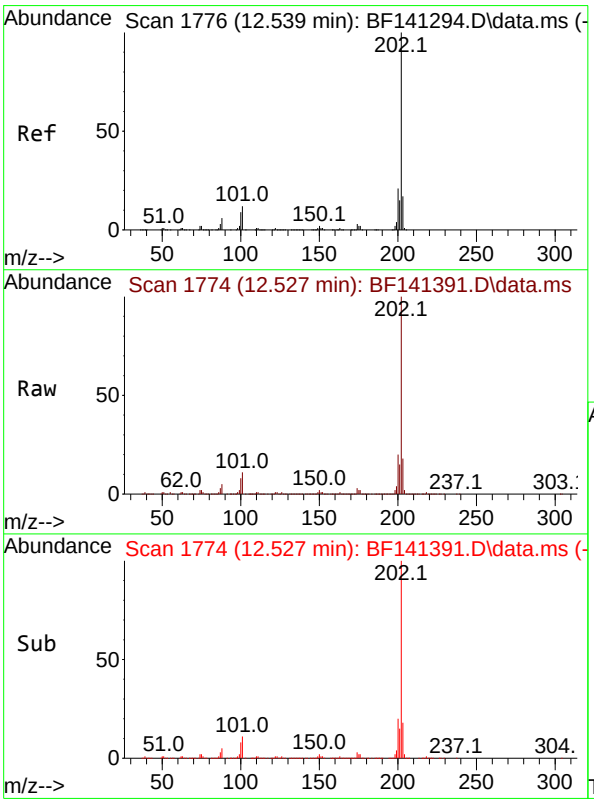
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.1 | 15.0 | 22.6 |
| 179 | 16.4 | 12.3 | 18.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

**Manual Integrations**
**APPROVED**

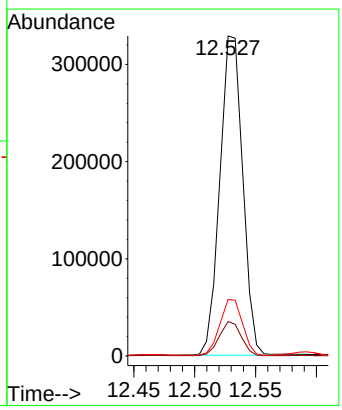
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

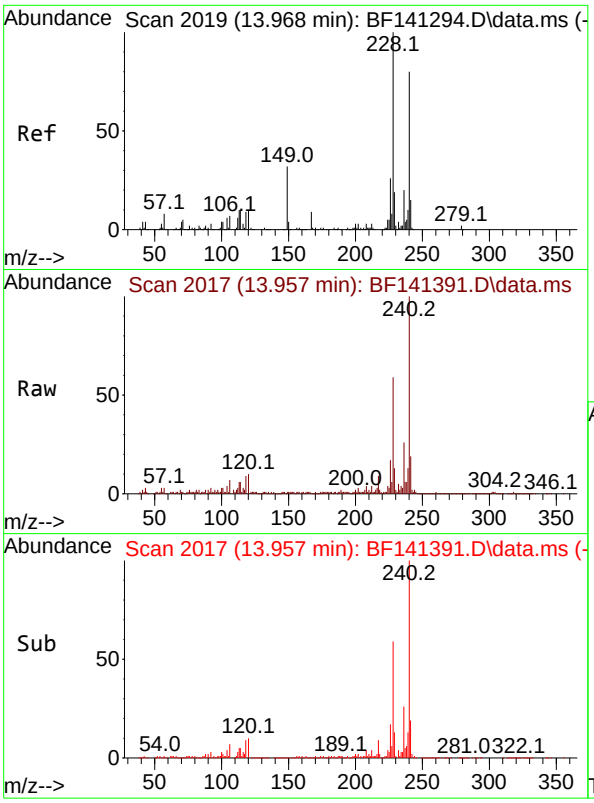



#75
Fluoranthene
Concen: 39.674 ng
RT: 12.527 min Scan# 1774
Delta R.T. -0.012 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:202 Resp: 429491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.7 | 0.0 | 31.7 |
| 203 | 17.7 | 0.0 | 37.5 |

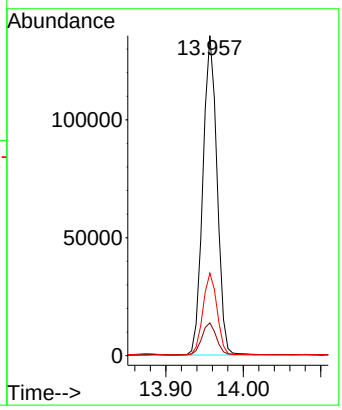





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:240 Resp: 17187

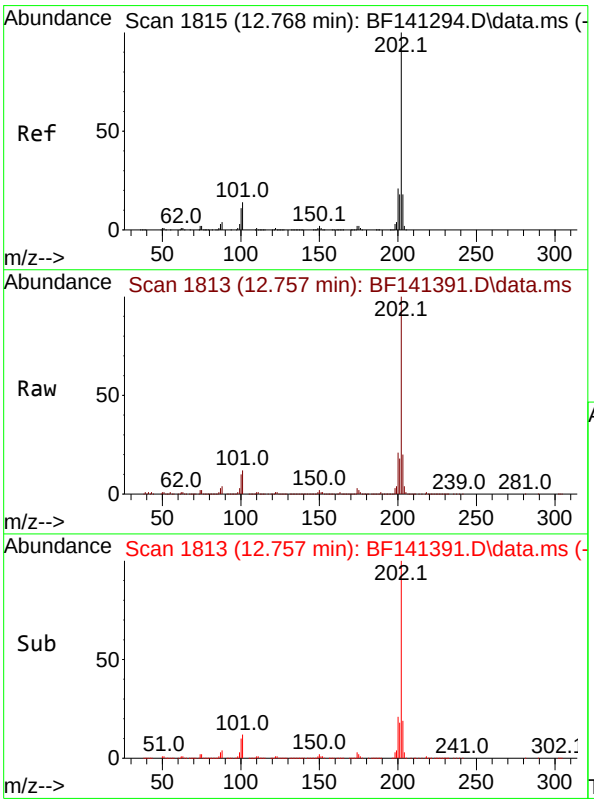
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.3 | 10.0 | 15.0 |
| 236 | 25.8 | 19.7 | 29.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

**Manual Integrations**
**APPROVED**

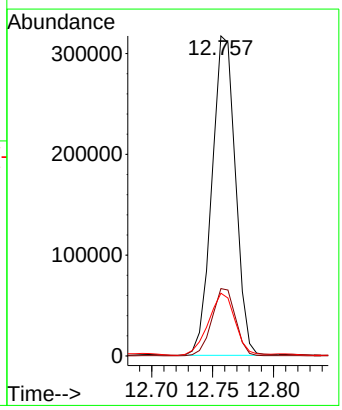
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

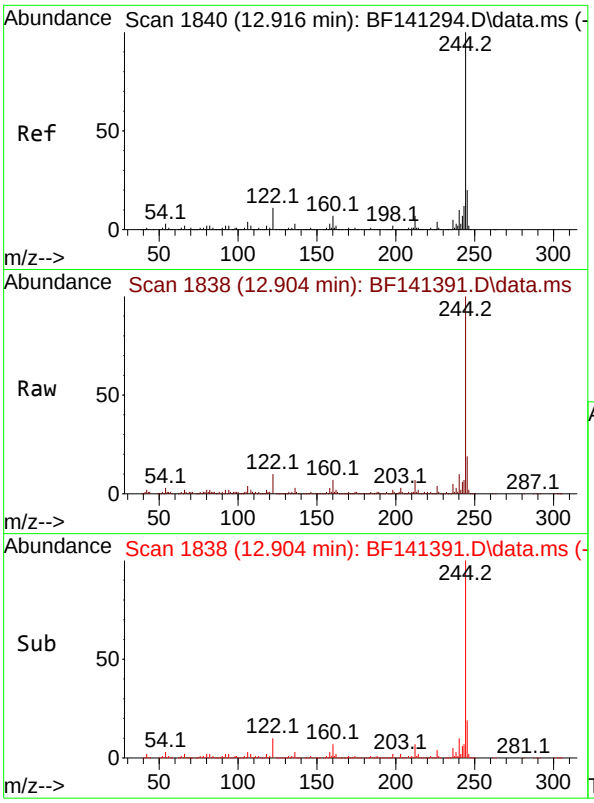



#78
Pyrene
Concen: 25.836 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:202 Resp: 426236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 17.0 | 25.4 |
| 203 | 19.6 | 14.3 | 21.5 |

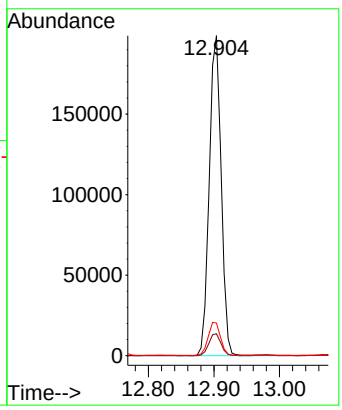





#79
Terphenyl-d14
Concen: 22.572 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:244 Resp: 25155

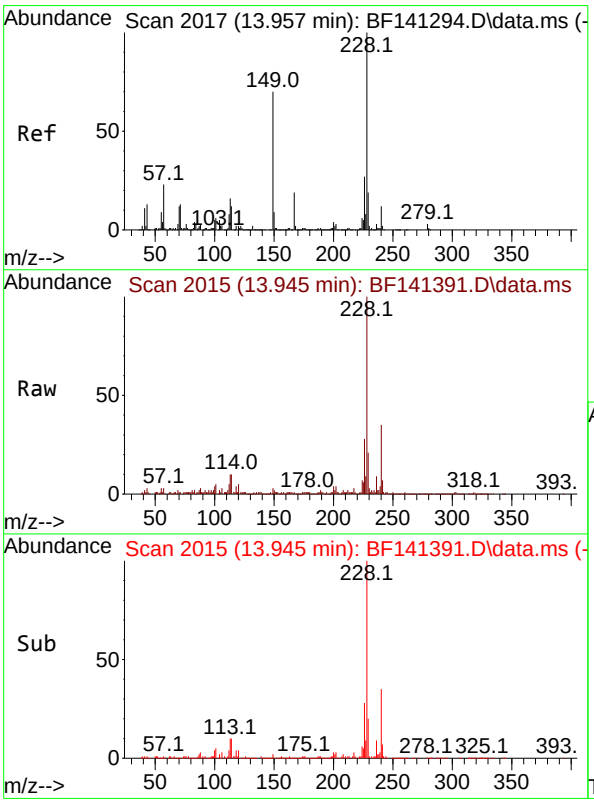
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.4 | 8.0 |
| 122 | 10.2 | 8.8 | 13.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

**Manual Integrations**
**APPROVED**

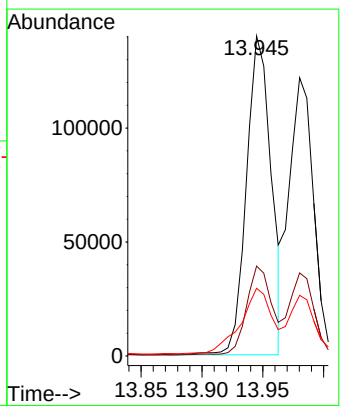
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

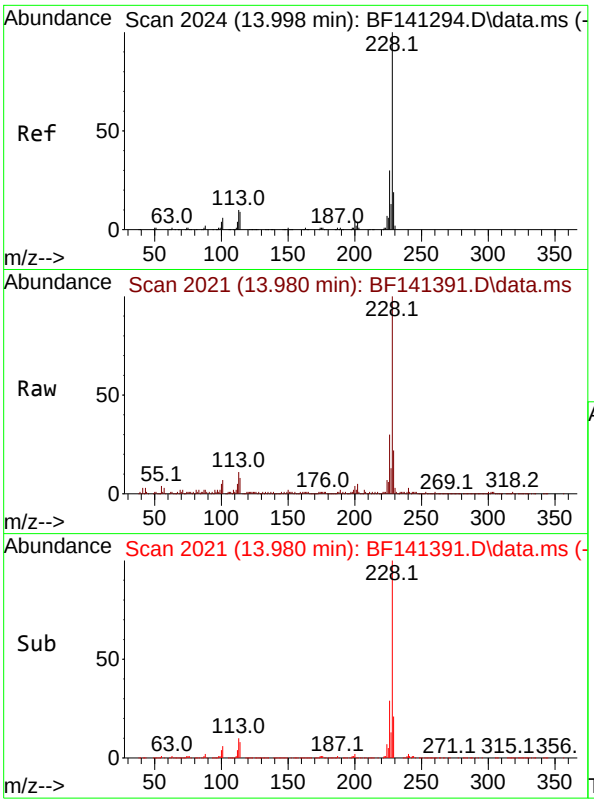



#81
Benzo(a)anthracene
Concen: 16.705 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:228 Resp: 198124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.1 | 21.4 | 32.2 |
| 229 | 21.2 | 15.5 | 23.3 |

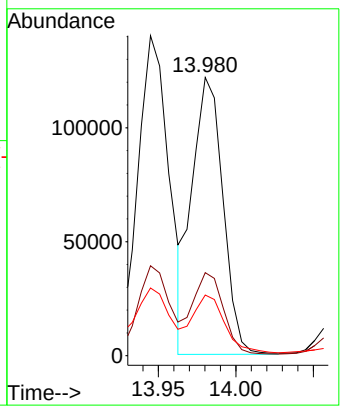





#83
Chrysene
Concen: 15.521 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:228 Resp: 16870

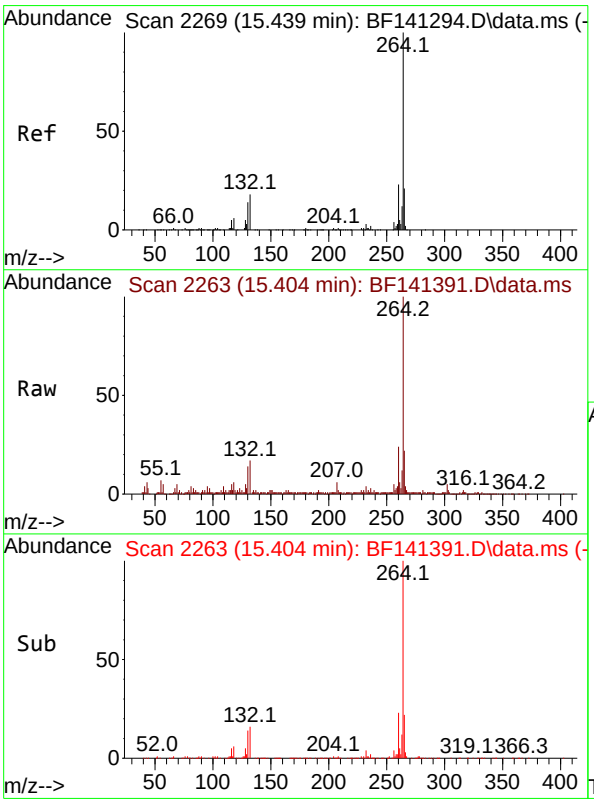
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 24.1 | 36.1 |
| 229 | 21.8 | 15.6 | 23.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

**Manual Integrations**
**APPROVED**

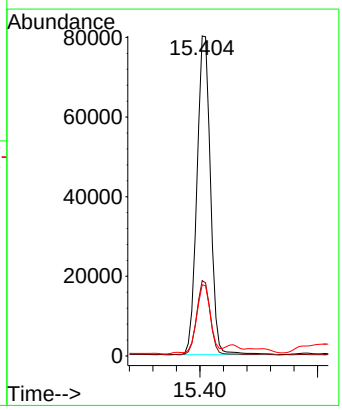
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

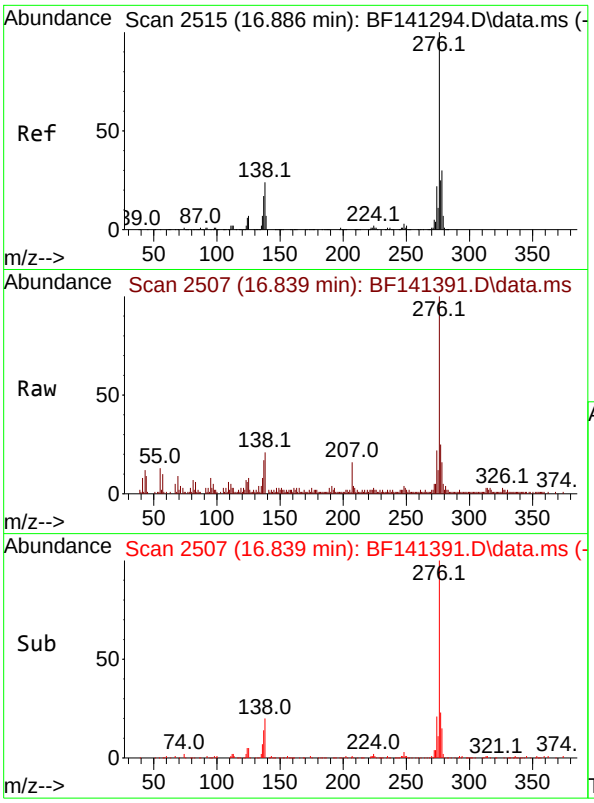



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2263
Delta R.T. -0.035 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:264 Resp: 127914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.6 | 27.8 |
| 265 | 22.3 | 16.7 | 25.1 |

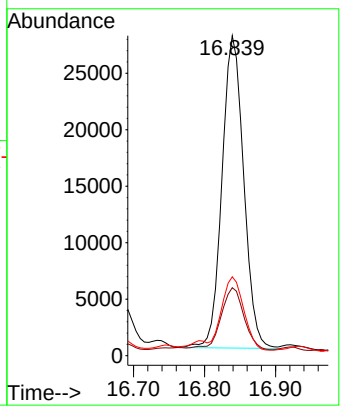





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.095 ng
RT: 16.839 min Scan# 2
Delta R.T. -0.059 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:276 Resp: 5857

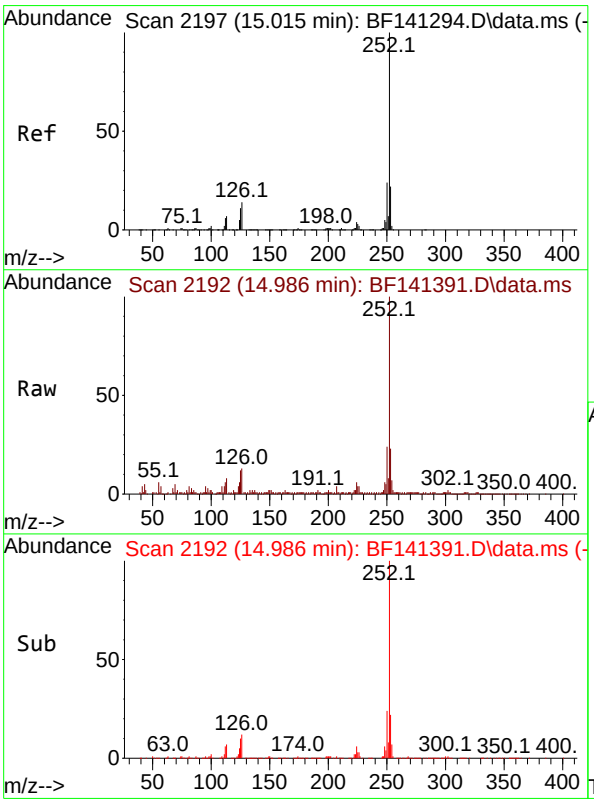
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.5 | 21.7 | 32.5 |
| 277 | 24.0 | 20.3 | 30.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

**Manual Integrations**
**APPROVED**

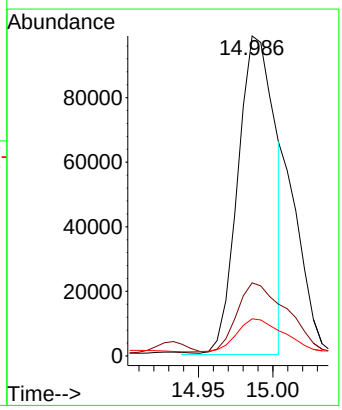
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

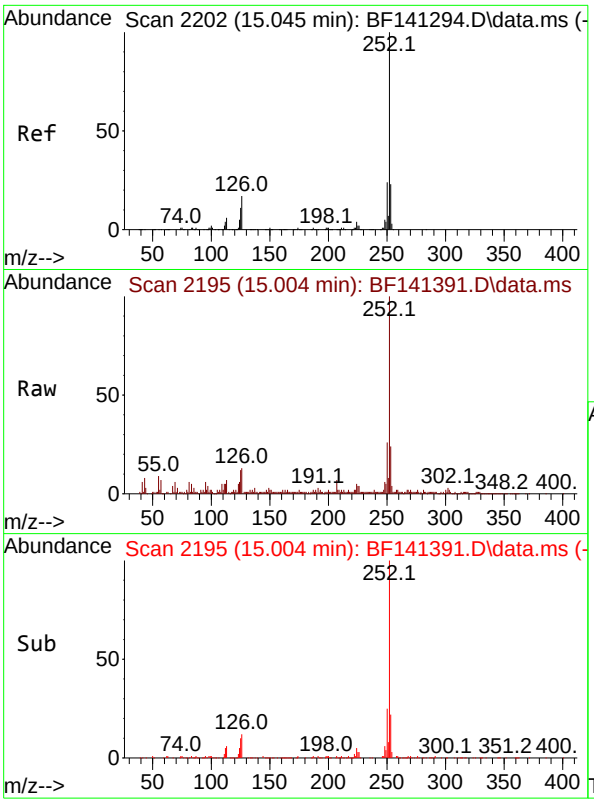



#88
Benzo(b)fluoranthene
Concen: 21.253 ng m
RT: 14.986 min Scan# 2192
Delta R.T. -0.035 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:252 Resp: 171008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 17.4 | 26.2 |
| 125 | 11.6 | 8.6 | 12.8 |

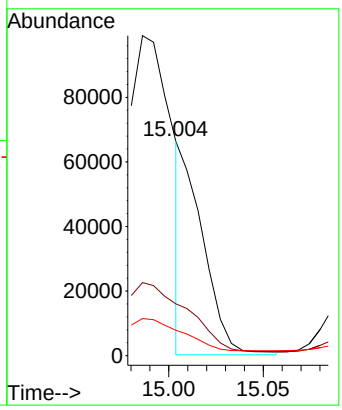





#89
Benzo(k)fluoranthene
Concen: 7.283 ng m
RT: 15.004 min Scan# 2
Delta R.T. -0.047 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:252 Resp: 5191

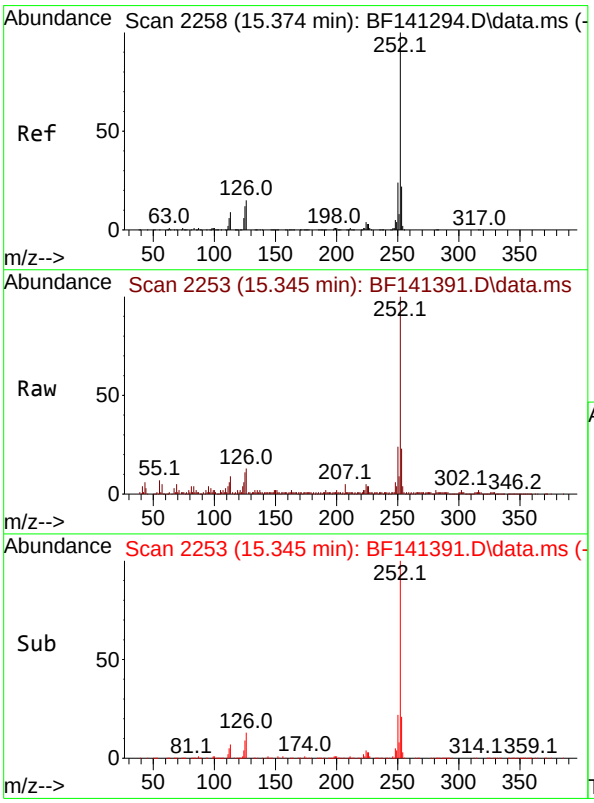
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.2 | 17.6 | 26.4 |
| 125 | 11.9 | 8.4 | 12.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

**Manual Integrations**
**APPROVED**

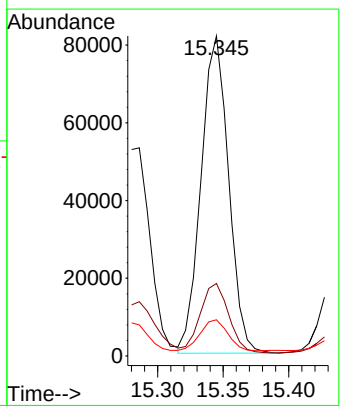
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

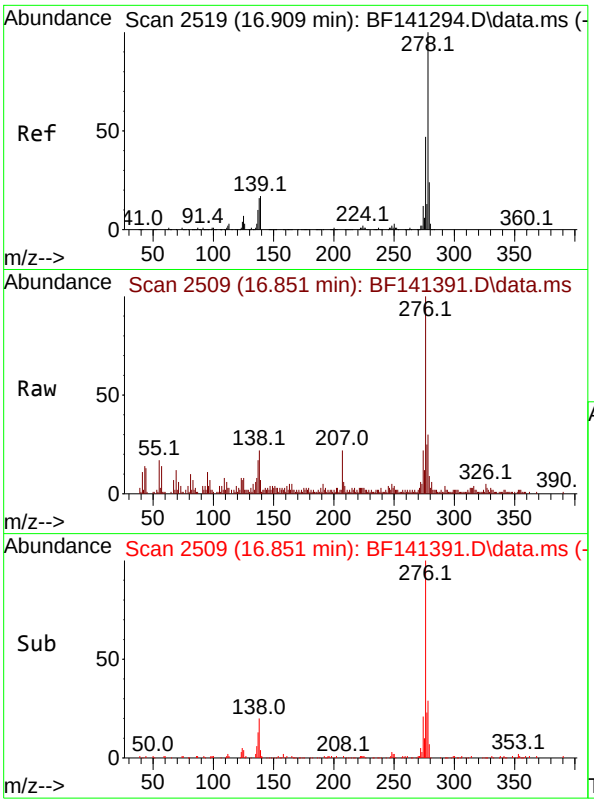



#90
Benzo(a)pyrene
Concen: 17.558 ng
RT: 15.345 min Scan# 2253
Delta R.T. -0.035 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:252 Resp: 119381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 17.2 | 25.8 |
| 125 | 11.3 | 9.4 | 14.2 |






#91
Dibenzo(a,h)anthracene
Concen: 2.228 ng
RT: 16.851 min Scan# 2
Delta R.T. -0.071 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

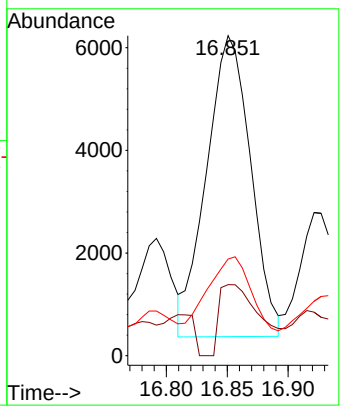
Tgt Ion:278 Resp: 1480

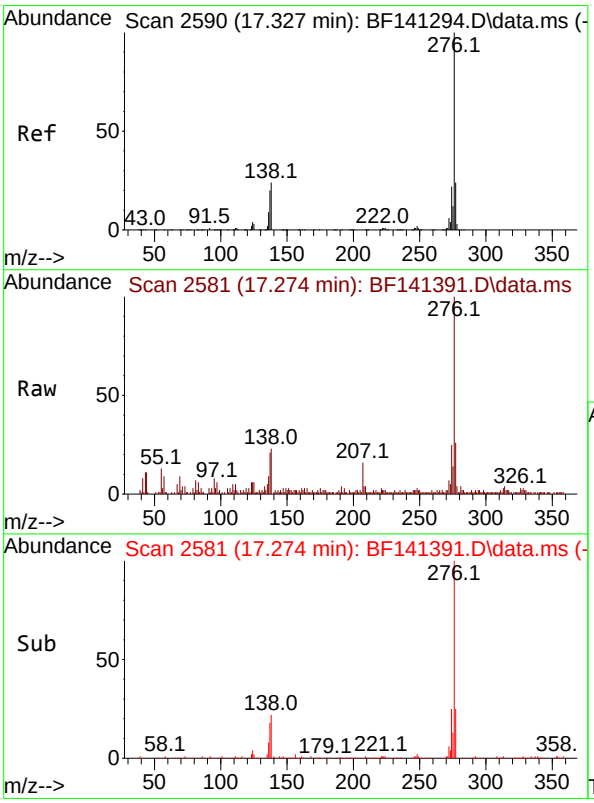
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 22.2 | 13.9 | 20.9# |
| 279 | 30.2 | 18.8 | 28.2# |

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

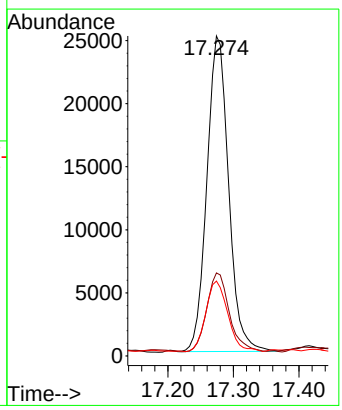



#92
Benzo(g,h,i)perylene
Concen: 8.330 ng
RT: 17.274 min Scan# 2581
Delta R.T. -0.071 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:276 Resp: 57534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 26.0 | 19.2 | 28.8 |
| 138 | 23.4 | 19.0 | 28.4 |



Sample Results: **BF141391.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141391.D
Acq On : 04 Feb 2025 01:16
Operator : RC/JU
Sample : Q1216-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141391.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.987 | 482 | 492 | 500 | rBV | 24918 | 38807 | 3.54% | 0.271% |
| 2 | 5.416 | 560 | 565 | 582 | rVB | 596204 | 803416 | 73.27% | 5.605% |
| 3 | 6.434 | 733 | 738 | 755 | rBV | 601397 | 837558 | 76.38% | 5.843% |
| 4 | 6.792 | 794 | 799 | 805 | rBV | 413178 | 511095 | 46.61% | 3.566% |
| 5 | 7.351 | 885 | 894 | 899 | rBV | 423867 | 543627 | 49.58% | 3.793% |
| 6 | 7.616 | 933 | 939 | 947 | rVB2 | 15789 | 24742 | 2.26% | 0.173% |
| 7 | 8.075 | 1008 | 1017 | 1025 | rBV | 511408 | 693208 | 63.22% | 4.836% |
| 8 | 8.369 | 1060 | 1067 | 1073 | rBV6 | 6612 | 15727 | 1.43% | 0.110% |
| 9 | 8.498 | 1085 | 1089 | 1095 | rBV | 12196 | 16639 | 1.52% | 0.116% |
| 10 | 8.669 | 1113 | 1118 | 1122 | rBV | 32889 | 39531 | 3.61% | 0.276% |
| 11 | 8.786 | 1135 | 1138 | 1143 | rVB | 13668 | 16826 | 1.53% | 0.117% |
| 12 | 8.886 | 1151 | 1155 | 1160 | rVB | 13252 | 17884 | 1.63% | 0.125% |
| 13 | 9.151 | 1195 | 1200 | 1205 | rBV | 728557 | 898936 | 81.98% | 6.272% |
| 14 | 9.233 | 1209 | 1214 | 1222 | rVB2 | 31000 | 45734 | 4.17% | 0.319% |
| 15 | 9.416 | 1240 | 1245 | 1250 | rBV | 8173 | 12253 | 1.12% | 0.085% |
| 16 | 9.486 | 1252 | 1257 | 1260 | rBV | 16786 | 24041 | 2.19% | 0.168% |
| 17 | 9.610 | 1274 | 1278 | 1283 | rVB | 7910 | 12280 | 1.12% | 0.086% |
| 18 | 9.686 | 1287 | 1291 | 1296 | rBV | 10936 | 14419 | 1.31% | 0.101% |
| 19 | 9.763 | 1296 | 1304 | 1308 | rBV | 9993 | 15178 | 1.38% | 0.106% |
| 20 | 9.828 | 1308 | 1315 | 1319 | rBV | 497188 | 637344 | 58.12% | 4.446% |
| 21 | 9.863 | 1319 | 1321 | 1325 | rVB | 57374 | 58198 | 5.31% | 0.406% |
| 22 | 9.986 | 1338 | 1342 | 1345 | rBV2 | 7688 | 11270 | 1.03% | 0.079% |
| 23 | 10.033 | 1345 | 1350 | 1354 | rBV | 31108 | 38355 | 3.50% | 0.268% |
| 24 | 10.075 | 1354 | 1357 | 1364 | rVB3 | 8556 | 12880 | 1.17% | 0.090% |
| 25 | 10.145 | 1365 | 1369 | 1372 | rBV | 7924 | 11042 | 1.01% | 0.077% |
| 26 | 10.239 | 1380 | 1385 | 1386 | rBV3 | 9358 | 13451 | 1.23% | 0.094% |
| 27 | 10.257 | 1386 | 1388 | 1393 | rVB3 | 10656 | 13417 | 1.22% | 0.094% |
| 28 | 10.375 | 1404 | 1408 | 1413 | rVB | 39558 | 50986 | 4.65% | 0.356% |
| 29 | 10.445 | 1413 | 1420 | 1422 | rBV2 | 10047 | 21170 | 1.93% | 0.148% |
| 30 | 10.539 | 1431 | 1436 | 1441 | rVB2 | 57717 | 80111 | 7.31% | 0.559% |
| 31 | 10.616 | 1444 | 1449 | 1455 | rBV | 281637 | 366680 | 33.44% | 2.558% |
| 32 | 10.739 | 1466 | 1470 | 1479 | rVB4 | 19847 | 34710 | 3.17% | 0.242% |
| 33 | 10.822 | 1479 | 1484 | 1487 | rBV6 | 6497 | 11814 | 1.08% | 0.082% |
| 34 | 10.922 | 1495 | 1501 | 1505 | rBV3 | 16703 | 36749 | 3.35% | 0.256% |
| 35 | 11.057 | 1519 | 1524 | 1525 | rBV4 | 15172 | 21011 | 1.92% | 0.147% |
| 36 | 11.122 | 1531 | 1535 | 1539 | rVB | 21619 | 26970 | 2.46% | 0.188% |

Sample Results: **BF141391.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141391.D
Acq On : 04 Feb 2025 01:16
Operator : RC/JU
Sample : Q1216-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 11.180 | 1539 | 1545 | 1548 | rBV5 | 26968 | 52873 | 4.82% | 0.369% |
| 38 | 11.210 | 1548 | 1550 | 1559 | rVB | 29766 | 39956 | 3.64% | 0.279% |
| 39 | 11.316 | 1563 | 1568 | 1570 | rBV | 417179 | 572937 | 52.25% | 3.997% |
| 40 | 11.339 | 1570 | 1572 | 1577 | rVV | 512157 | 573673 | 52.32% | 4.002% |
| 41 | 11.392 | 1577 | 1581 | 1585 | rVV | 114826 | 153370 | 13.99% | 1.070% |
| 42 | 11.427 | 1585 | 1587 | 1591 | rVB2 | 12213 | 13653 | 1.25% | 0.095% |
| 43 | 11.551 | 1603 | 1608 | 1615 | rBV2 | 27628 | 53237 | 4.85% | 0.371% |
| 44 | 11.616 | 1615 | 1619 | 1622 | rVV | 27150 | 35859 | 3.27% | 0.250% |
| 45 | 11.651 | 1622 | 1625 | 1630 | rVB3 | 12603 | 16886 | 1.54% | 0.118% |
| 46 | 11.816 | 1649 | 1653 | 1655 | rVV | 63767 | 81977 | 7.48% | 0.572% |
| 47 | 11.845 | 1655 | 1658 | 1663 | rVV | 125041 | 171738 | 15.66% | 1.198% |
| 48 | 11.892 | 1663 | 1666 | 1669 | rVV | 39642 | 55342 | 5.05% | 0.386% |
| 49 | 11.927 | 1669 | 1672 | 1681 | rVB2 | 103691 | 203367 | 18.55% | 1.419% |
| 50 | 12.022 | 1682 | 1688 | 1691 | rBV5 | 15935 | 31001 | 2.83% | 0.216% |
| 51 | 12.116 | 1699 | 1704 | 1707 | rBV | 49282 | 78035 | 7.12% | 0.544% |
| 52 | 12.263 | 1724 | 1729 | 1733 | rBV | 53201 | 82065 | 7.48% | 0.573% |
| 53 | 12.369 | 1743 | 1747 | 1750 | rBV | 38665 | 53758 | 4.90% | 0.375% |
| 54 | 12.410 | 1750 | 1754 | 1758 | rVV2 | 30182 | 53903 | 4.92% | 0.376% |
| 55 | 12.451 | 1758 | 1761 | 1766 | rVB | 41566 | 57243 | 5.22% | 0.399% |
| 56 | 12.527 | 1769 | 1774 | 1779 | rBV | 742595 | 968552 | 88.33% | 6.757% |
| 57 | 12.574 | 1779 | 1782 | 1788 | rVB3 | 44485 | 68846 | 6.28% | 0.480% |
| 58 | 12.757 | 1806 | 1813 | 1819 | rBV | 729958 | 1096559 | 100.00% | 7.650% |
| 59 | 12.904 | 1830 | 1838 | 1844 | rBV | 530044 | 764798 | 69.75% | 5.336% |
| 60 | 12.974 | 1845 | 1850 | 1854 | rBV3 | 56613 | 108152 | 9.86% | 0.755% |
| 61 | 13.039 | 1858 | 1861 | 1863 | rBV | 43069 | 54122 | 4.94% | 0.378% |
| 62 | 13.186 | 1883 | 1886 | 1899 | rVB3 | 100819 | 216803 | 19.77% | 1.513% |
| 63 | 13.280 | 1900 | 1902 | 1905 | rBV | 27343 | 26989 | 2.46% | 0.188% |
| 64 | 13.951 | 2011 | 2016 | 2020 | rBV2 | 590801 | 1059448 | 96.62% | 7.391% |
| 65 | 14.986 | 2188 | 2192 | 2201 | rVB | 253184 | 529683 | 48.30% | 3.695% |
| 66 | 15.280 | 2239 | 2242 | 2248 | rVB | 148165 | 236429 | 21.56% | 1.649% |
| 67 | 15.345 | 2249 | 2253 | 2258 | rVB | 191075 | 271873 | 24.79% | 1.897% |
| 68 | 15.404 | 2259 | 2263 | 2267 | rBV | 203903 | 338983 | 30.91% | 2.365% |
| 69 | 16.839 | 2503 | 2507 | 2517 | rVB2 | 81833 | 183479 | 16.73% | 1.280% |

Sum of corrected areas: 14333648

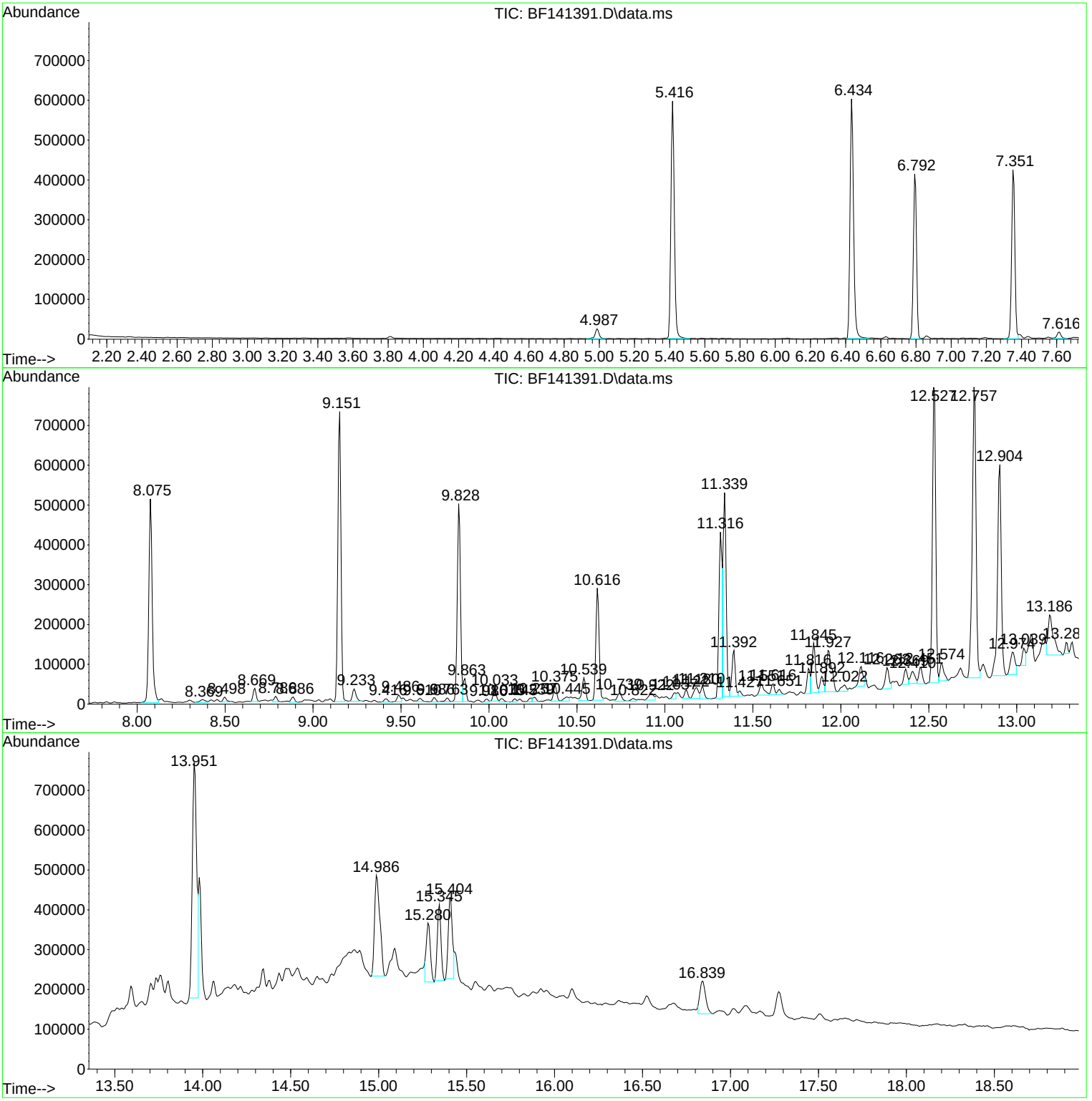
Sample Results: **BF141391.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141391.D
Acq On : 04 Feb 2025 01:16
Operator : RC/JU
Sample : Q1216-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Sample Results: **BF141391.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141391.D
Acq On : 04 Feb 2025 01:16
Operator : RC/JU
Sample : Q1216-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

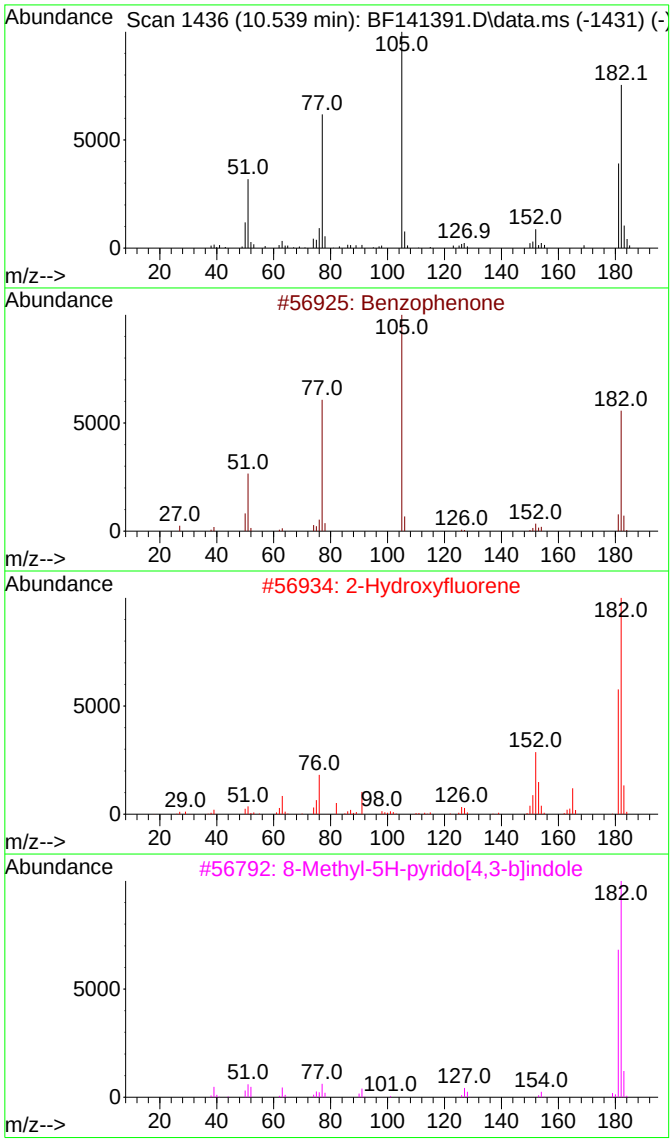
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

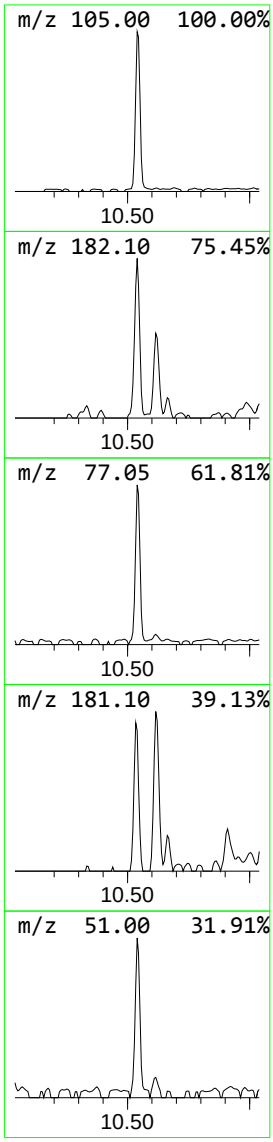
**********

Peak Number 1 Benzophenone Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.539 | 2.51 ng | 80111 | Acenaphthene-d10 | 9.828 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 87 |
| 2 | 2-Hydroxyfluorene | 182 | C13H10O | 002443-58-5 | 49 |
| 3 | 8-Methyl-5H-pyrido[4,3-b]indole | 182 | C12H10N2 | 088894-13-7 | 49 |
| 4 | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS | 005925-68-8 | 30 |
| 5 | Benzhydrazide, N2-(2-methoxy-5-n... | 299 | C15H13N3O4 | 349572-84-5 | 27 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141391.D
Acq On : 04 Feb 2025 01:16
Operator : RC/JU
Sample : Q1216-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

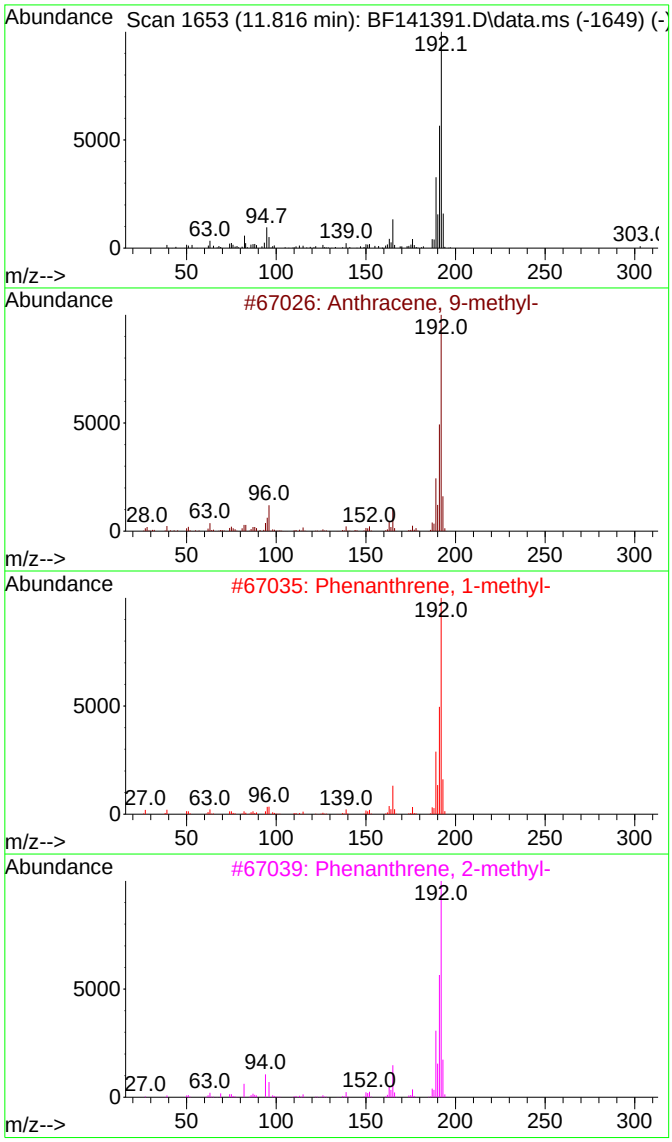
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TIC Integration Parameters: LSCINT.P

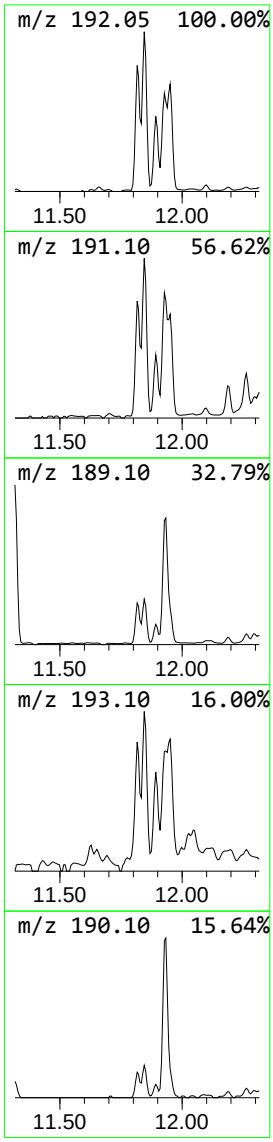
**********

Peak Number 2 Anthracene, 9-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.816 | 2.86 ng | 81977 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 94 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 91 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141391.D
Acq On : 04 Feb 2025 01:16
Operator : RC/JU
Sample : Q1216-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

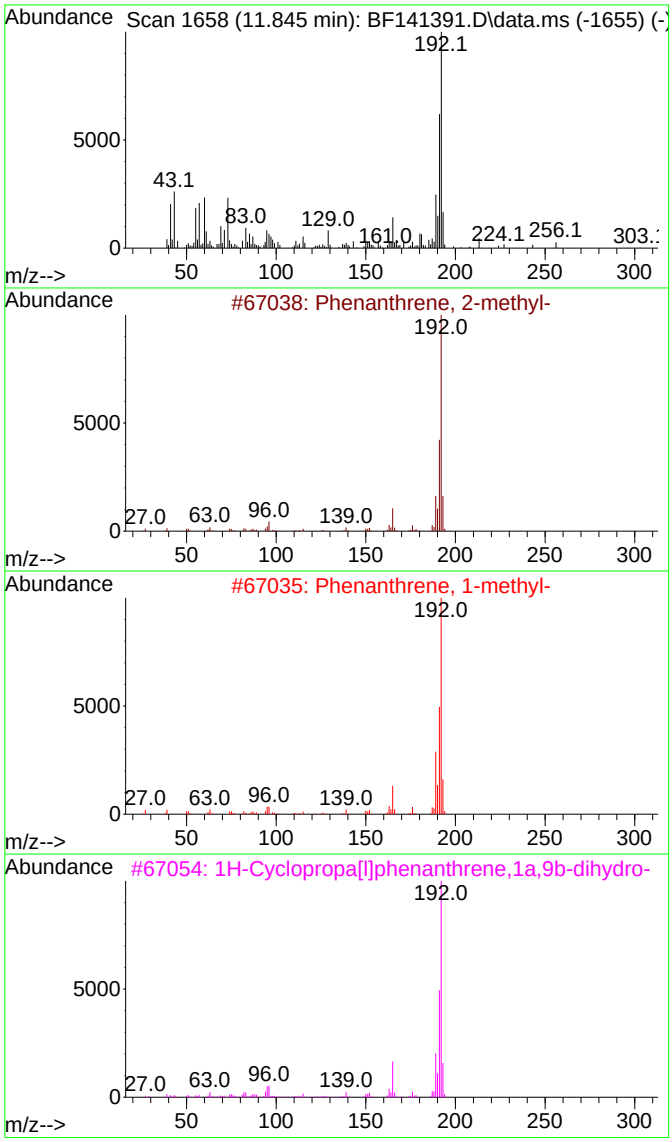
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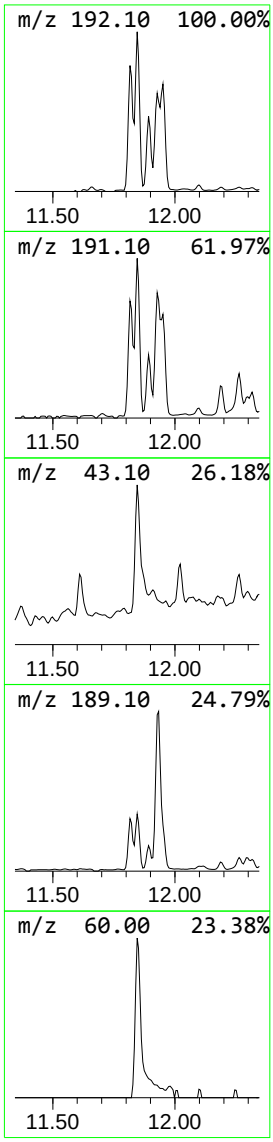
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Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.845 | 6.00 ng | 171738 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 97 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141391.D
Acq On : 04 Feb 2025 01:16
Operator : RC/JU
Sample : Q1216-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

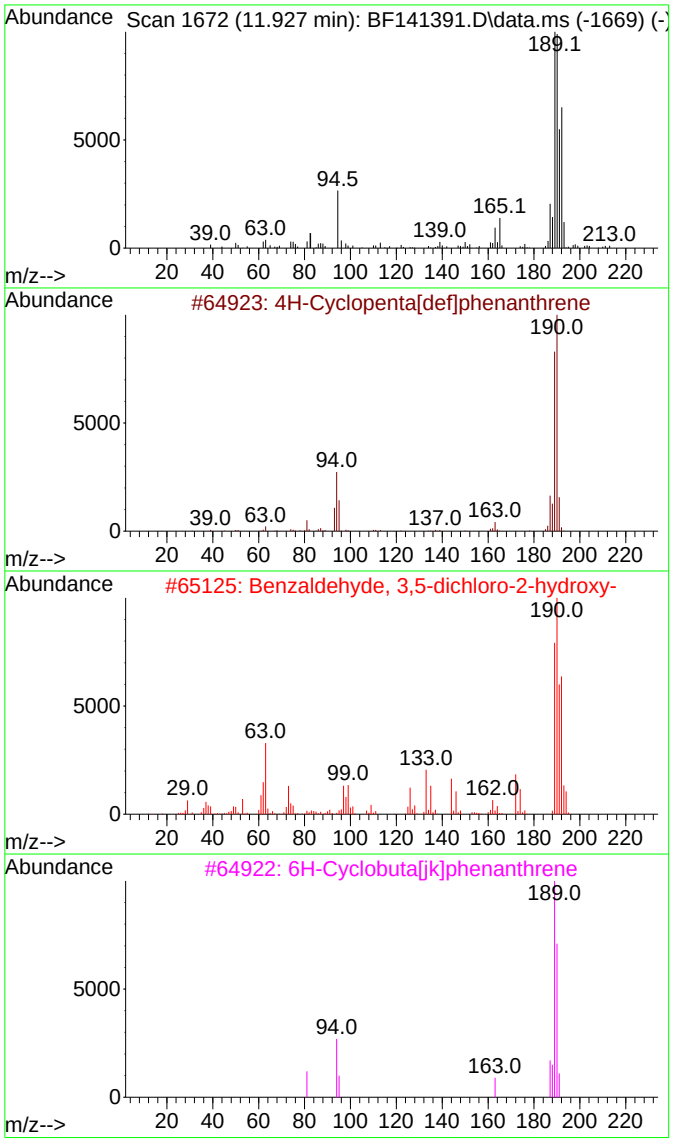
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TIC Integration Parameters: LSCINT.P

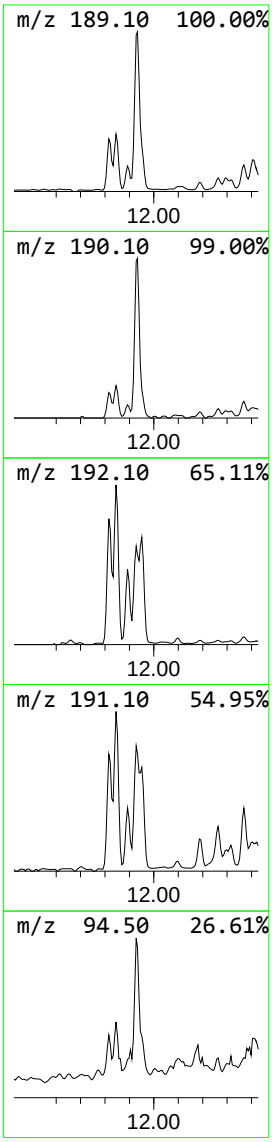
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Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.927 | 7.10 ng | 203367 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 70 |
| 2 | Benzaldehyde, 3,5-dichloro-2-hyd... | 190 | C7H4Cl2O2 | 000090-60-8 | 64 |
| 3 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 58 |
| 4 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 25 |
| 5 | Propyne, 1,3-diphenyl- | 192 | C15H12 | 004980-70-5 | 22 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141391.D
Acq On : 04 Feb 2025 01:16
Operator : RC/JU
Sample : Q1216-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

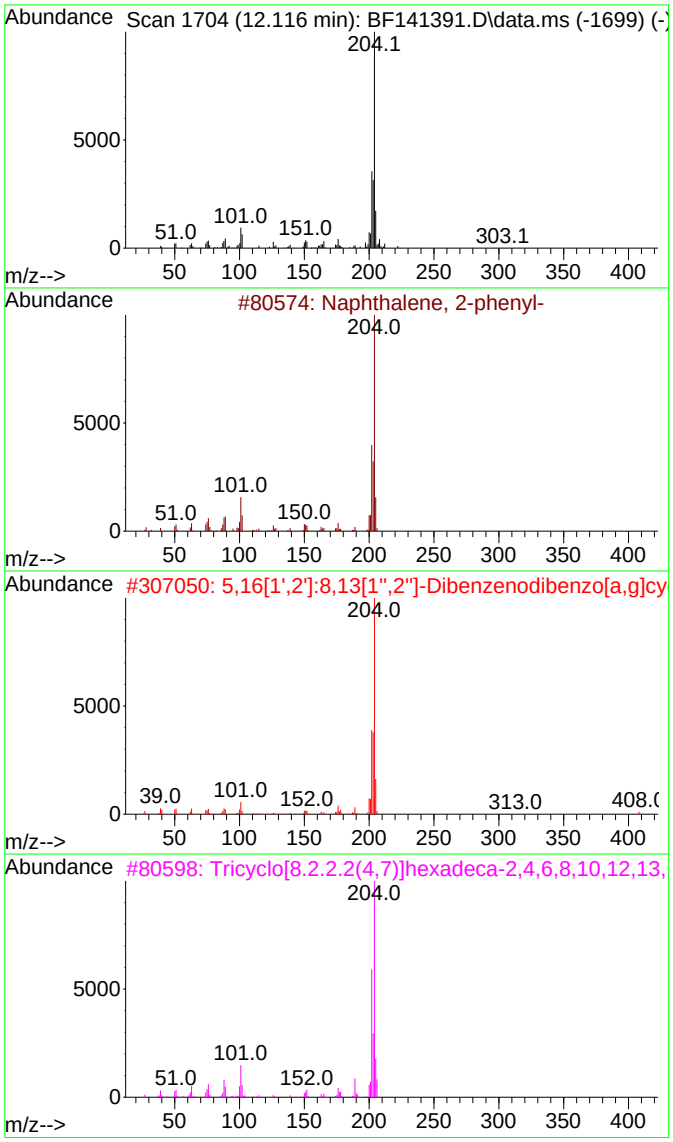
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TIC Integration Parameters: LSCINT.P

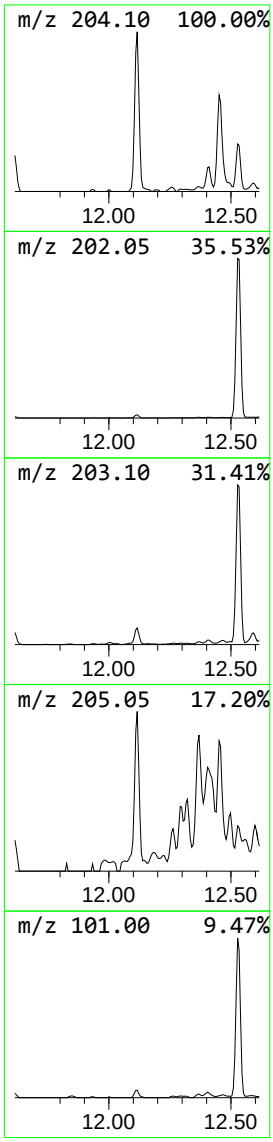
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Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.116 | 2.72 ng | 78035 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 95 |
| 2 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 91 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 74 |
| 4 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 62 |
| 5 | 9-Acridinecarbonitrile | 204 | C14H8N2 | 005326-19-2 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141391.D
Acq On : 04 Feb 2025 01:16
Operator : RC/JU
Sample : Q1216-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

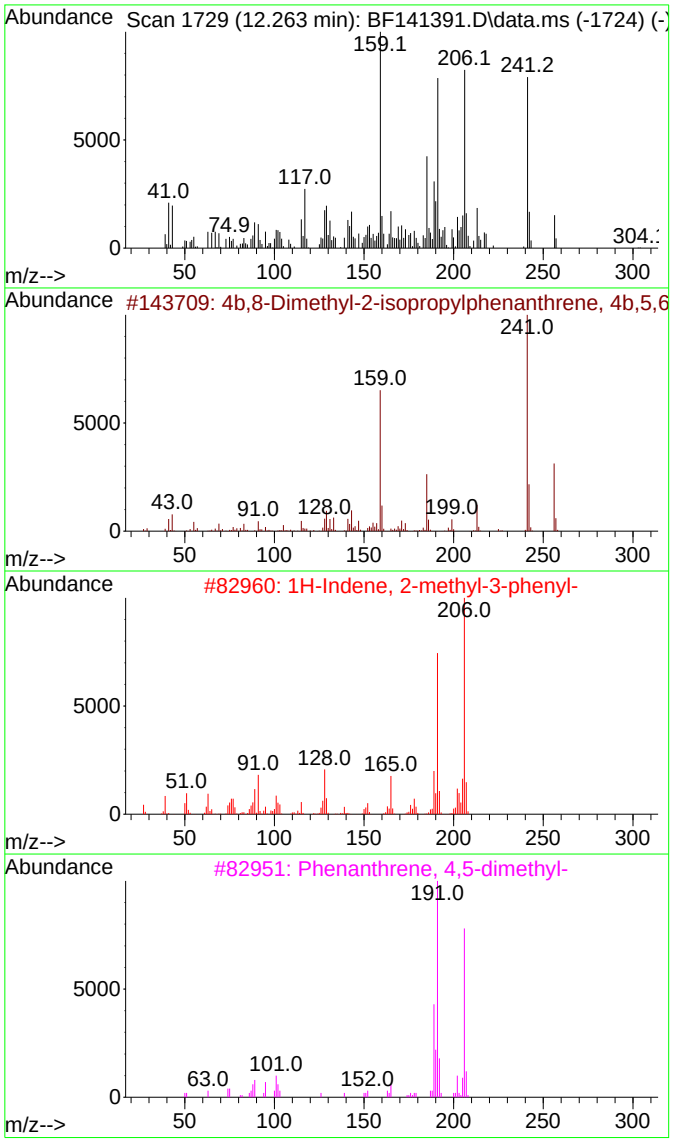
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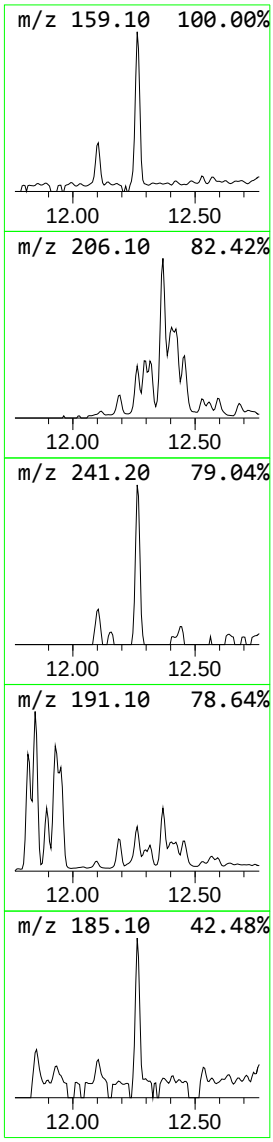
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Peak Number 6 4b,8-Dimethyl-2-isopropylph... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.263 | 2.86 ng | 82065 | Phenanthrene-d10 | 11.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4b,8-Dimethyl-2-isopropylphenant... | 256 | C19H28 | 1000197-14-1 | 94 |
| 2 | 1H-Indene, 2-methyl-3-phenyl- | 206 | C16H14 | 035099-60-6 | 72 |
| 3 | Phenanthrene, 4,5-dimethyl- | 206 | C16H14 | 003674-69-9 | 62 |
| 4 | Anthracene, 2-ethyl- | 206 | C16H14 | 052251-71-5 | 46 |
| 5 | 1,3-Diphenyl-3-methylcyclopropene | 206 | C16H14 | 086544-79-8 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141391.D
Acq On : 04 Feb 2025 01:16
Operator : RC/JU
Sample : Q1216-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

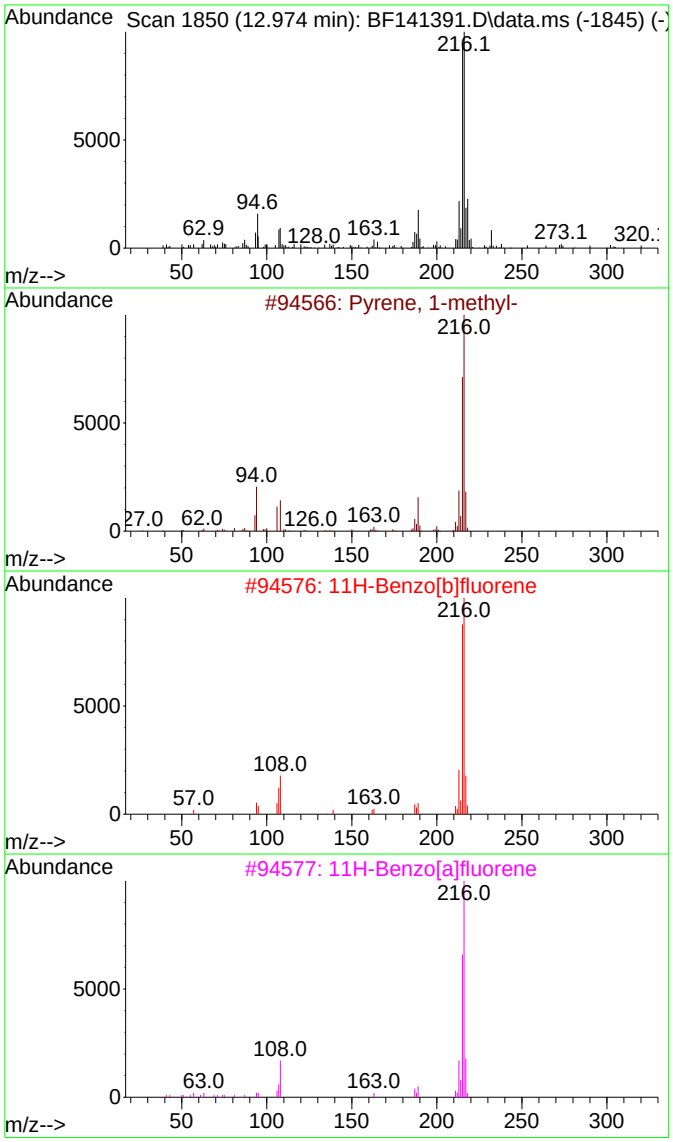
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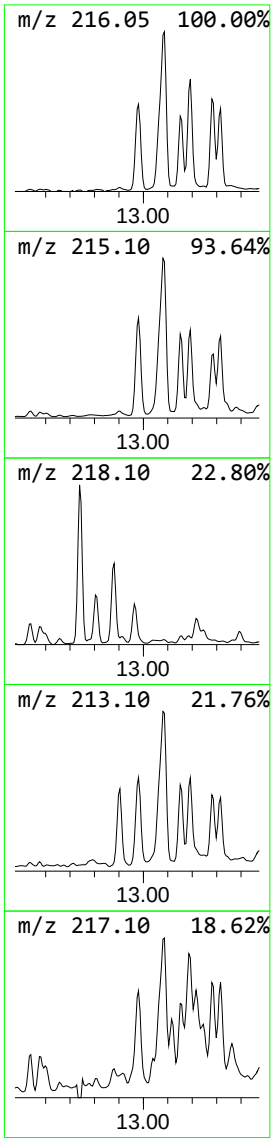
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Peak Number 7 Pyrene, 1-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.974 | 2.04 ng | 108152 | Chrysene-d12 | 13.957 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 94 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 81 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 81 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 74 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 62 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141391.D
Acq On : 04 Feb 2025 01:16
Operator : RC/JU
Sample : Q1216-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

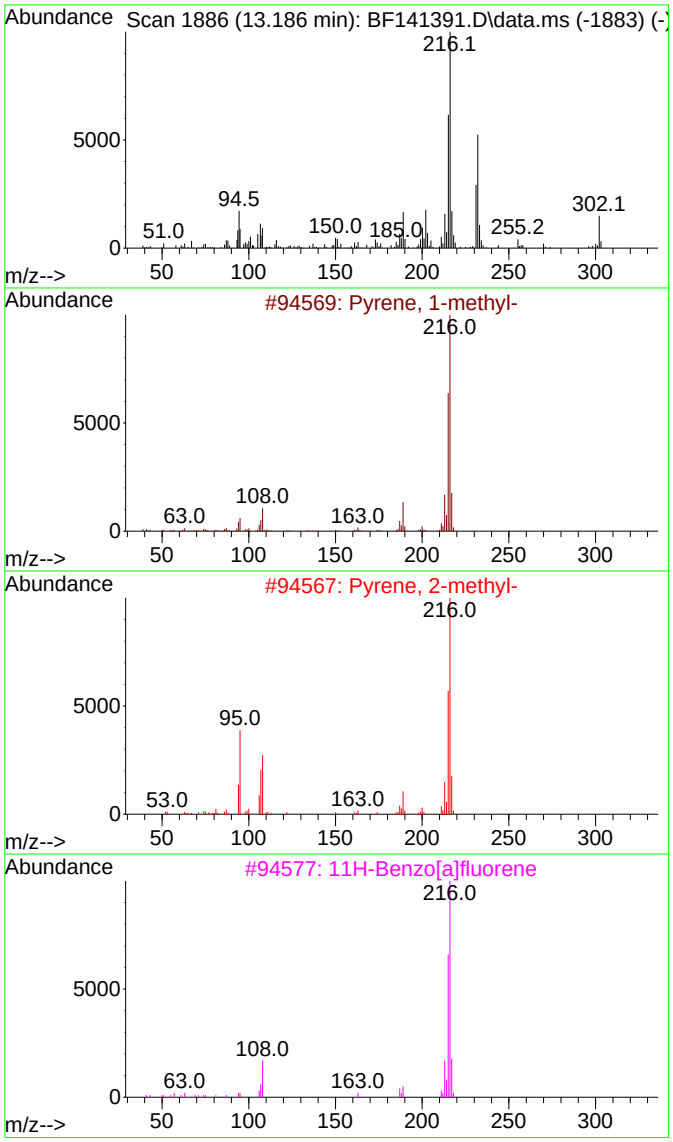
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TIC Integration Parameters: LSCINT.P

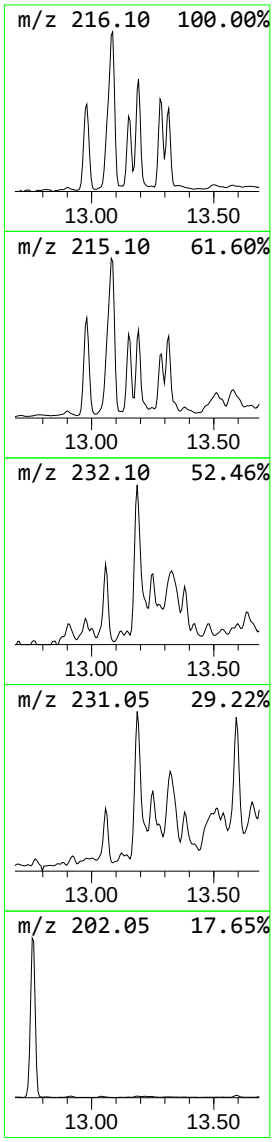
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Peak Number 8 Pyrene, 2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.186 | 4.09 ng | 216803 | Chrysene-d12 | 13.957 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 91 |
| 2 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 78 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 49 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 46 |
| 5 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 46 |



Sample Results: **BF141391.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141391.D
Acq On : 04 Feb 2025 01:16
Operator : RC/JU
Sample : Q1216-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

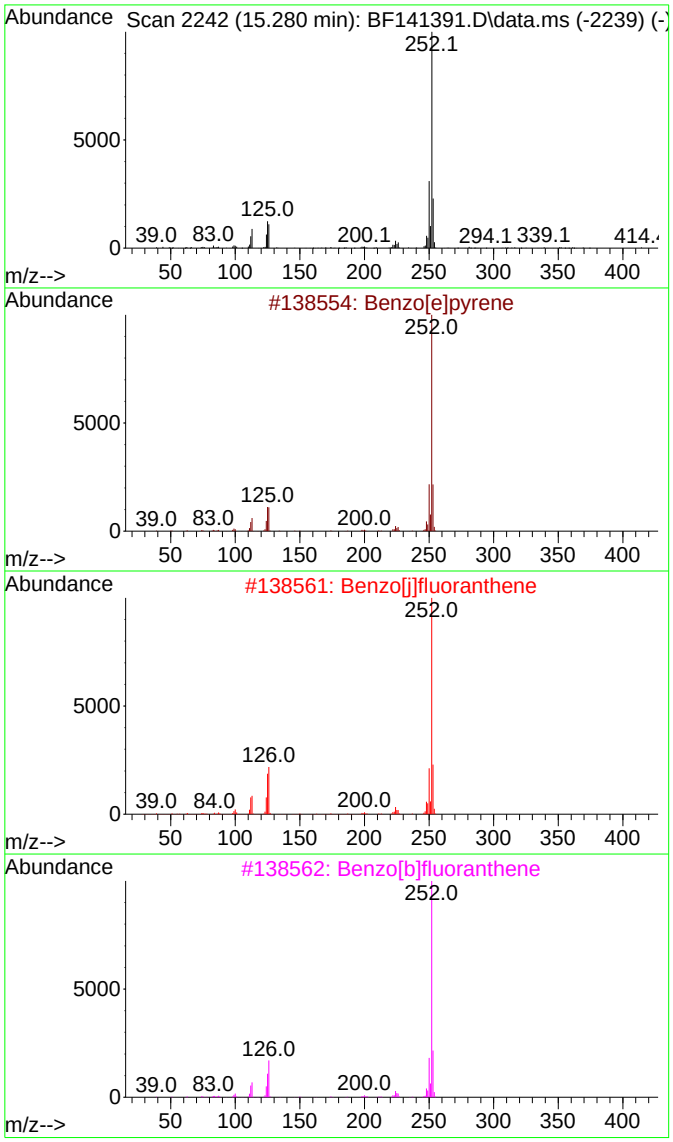
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TIC Integration Parameters: LSCINT.P

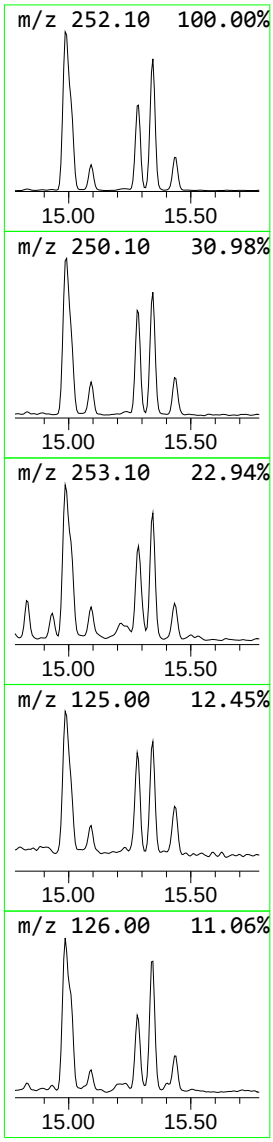
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Peak Number 9 Benzo[e]pyrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.280 | 13.95 ng | 236429 | Perylene-d12 | 15.404 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 99 |
| 2 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 95 |
| 3 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 94 |
| 4 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 93 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |



Sample Results: **BF141391.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141391.D
Acq On : 04 Feb 2025 01:16
Operator : RC/JU
Sample : Q1216-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-26.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Benzophenone | 10.539 | 2.5 | ng | 80111 | 3 | 9.828 | 637344 | 20.0 |
| Anthracene, 9-m... | 11.816 | 2.9 | ng | 81977 | 4 | 11.316 | 572937 | 20.0 |
| Phenanthrene, 2... | 11.845 | 6.0 | ng | 171738 | 4 | 11.316 | 572937 | 20.0 |
| 4H-Cyclopenta[d... | 11.927 | 7.1 | ng | 203367 | 4 | 11.316 | 572937 | 20.0 |
| Naphthalene, 2-... | 12.116 | 2.7 | ng | 78035 | 4 | 11.316 | 572937 | 20.0 |
| 4b,8-Dimethyl-2... | 12.263 | 2.9 | ng | 82065 | 4 | 11.316 | 572937 | 20.0 |
| Pyrene, 1-methyl- | 12.974 | 2.0 | ng | 108152 | 5 | 13.957 | 1059450 | 20.0 |
| Pyrene, 2-methyl- | 13.186 | 4.1 | ng | 216803 | 5 | 13.957 | 1059450 | 20.0 |
| Benzo[e]pyrene | 15.280 | 13.9 | ng | 236429 | 6 | 15.404 | 338983 | 20.0 |

# CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date(s): 01/29/2025 01/29/2025

Calibration Time(s): 10:30 17:05

LAB FILE ID: RRF2.5 = BF141290.D RRF005 = BF141291.D RRF010 = BF141292.D
RRF020 = BF141293.D RRF040 = BF141294.D RRF050 = BF141295.D

| COMPOUND | RRF2.5 | RRF005 | RRF010 | RRF020 | RRF040 | RRF050 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| 2-Fluorophenol | | 1.428 | 1.391 | 1.402 | 1.201 | 1.267 | 1.303 | 8.0 |
| Benzaldehyde | | 1.166 | 1.130 | 1.104 | 0.895 | 0.861 | 0.960 | 17.8 |
| Phenol-d6 | | 1.841 | 1.800 | 1.743 | 1.520 | 1.611 | 1.657 | 8.5 |
| Phenol | | 1.938 | 1.879 | 1.884 | 1.643 | 1.696 | 1.757 | 8.2 |
| bis(2-Chloroethyl)ether | | 1.478 | 1.413 | 1.426 | 1.232 | 1.299 | 1.347 | 6.9 |
| 2-Chlorophenol | | 1.535 | 1.510 | 1.487 | 1.297 | 1.353 | 1.396 | 8.2 |
| 2-Methylphenol | | 1.237 | 1.175 | 1.210 | 1.042 | 1.107 | 1.135 | 6.6 |
| 2,2-oxybis(1-Chloropropane) | | 2.533 | 2.484 | 2.495 | 2.189 | 2.296 | 2.342 | 7.0 |
| Acetophenone | | 0.547 | 0.523 | 0.517 | 0.436 | 0.449 | 0.475 | 11.1 |
| 3+4-Methylphenols | | 1.561 | 1.564 | 1.502 | 1.287 | 1.331 | 1.393 | 10.6 |
| n-Nitroso-di-n-propylamine | 1.084 | 1.052 | 1.060 | 1.032 | 0.895 | 0.936 | 0.985 | 8.3 |
| Nitrobenzene-d5 | | 0.405 | 0.396 | 0.406 | 0.354 | 0.373 | 0.379 | 6.1 |
| Hexachloroethane | | 0.609 | 0.612 | 0.610 | 0.530 | 0.560 | 0.571 | 7.1 |
| Nitrobenzene | | 0.418 | 0.411 | 0.420 | 0.371 | 0.385 | 0.393 | 6.1 |
| Isophorone | | 0.698 | 0.685 | 0.694 | 0.611 | 0.640 | 0.656 | 5.6 |
| 2-Nitrophenol | | 0.176 | 0.187 | 0.199 | 0.177 | 0.189 | 0.185 | 4.7 |
| 2,4-Dimethylphenol | | 0.244 | 0.239 | 0.249 | 0.224 | 0.235 | 0.236 | 4.1 |
| bis(2-Chloroethoxy)methane | | 0.454 | 0.440 | 0.445 | 0.389 | 0.405 | 0.418 | 6.7 |
| 2,4-Dichlorophenol | | 0.307 | 0.300 | 0.312 | 0.271 | 0.284 | 0.289 | 6.4 |
| Naphthalene | | 1.193 | 1.145 | 1.140 | 0.976 | 1.020 | 1.057 | 9.7 |
| 4-Chloroaniline | | 0.382 | 0.378 | 0.391 | 0.338 | 0.351 | 0.358 | 7.4 |
| Hexachlorobutadiene | | 0.209 | 0.207 | 0.209 | 0.179 | 0.190 | 0.194 | 7.5 |
| Caprolactam | | 0.097 | 0.095 | 0.102 | 0.089 | 0.094 | 0.094 | 4.9 |
| 4-Chloro-3-methylphenol | | 0.328 | 0.328 | 0.334 | 0.287 | 0.301 | 0.310 | 6.7 |
| 2-Methylnaphthalene | | 0.755 | 0.732 | 0.724 | 0.624 | 0.643 | 0.672 | 9.7 |
| Hexachlorocyclopentadiene | | 0.136 | 0.157 | 0.174 | 0.172 | 0.182 | 0.168 | 9.7 |
| 2,4,6-Trichlorophenol | | 0.381 | 0.380 | 0.390 | 0.364 | 0.375 | 0.372 | 3.8 |
| 2-Fluorobiphenyl | | 1.597 | 1.464 | 1.398 | 1.184 | 1.202 | 1.299 | 14.5 |
| 2,4,5-Trichlorophenol | | 0.429 | 0.425 | 0.429 | 0.377 | 0.391 | 0.405 | 5.5 |
| 1,1-Biphenyl | | 1.810 | 1.692 | 1.650 | 1.454 | 1.492 | 1.560 | 10.3 |
| 2-Chloronaphthalene | | 1.396 | 1.310 | 1.290 | 1.122 | 1.159 | 1.216 | 9.6 |
| 2-Nitroaniline | | 0.386 | 0.389 | 0.407 | 0.364 | 0.382 | 0.382 | 3.9 |
| Dimethylphthalate | | 1.498 | 1.456 | 1.445 | 1.239 | 1.299 | 1.351 | 8.3 |
| Acenaphthylene | | 1.921 | 1.854 | 1.815 | 1.595 | 1.620 | 1.702 | 9.4 |

All other compounds must meet a minimum RRF of 0.010.

Raw Data

Alliance TECHNICAL GROUP

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date(s): 01/29/2025 01/29/2025

Calibration Time(s): 10:30 17:05

LAB FILE ID: RRF2.5 = BF141290.D RRF005 = BF141291.D RRF010 = BF141292.D
RRF020 = BF141293.D RRF040 = BF141294.D RRF050 = BF141295.D

| COMPOUND | RRF2.5 | RRF005 | RRF010 | RRF020 | RRF040 | RRF050 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| 2,6-Dinitrotoluene | | 0.333 | 0.331 | 0.333 | 0.296 | 0.304 | 0.314 | 5.9 |
| 3-Nitroaniline | | 0.321 | 0.330 | 0.341 | 0.303 | 0.293 | 0.307 | 8.4 |
| Acenaphthene | | 1.361 | 1.300 | 1.291 | 1.128 | 1.170 | 1.216 | 8.5 |
| 2,4-Dinitrophenol | | | 0.102 | 0.136 | 0.147 | 0.156 | 0.146 | 16.8 |
| 4-Nitrophenol | | 0.187 | 0.215 | 0.251 | 0.224 | 0.231 | 0.225 | 9.2 |
| Dibenzofuran | | 1.869 | 1.788 | 1.755 | 1.518 | 1.525 | 1.627 | 10.7 |
| 2,4-Dinitrotoluene | | 0.424 | 0.431 | 0.443 | 0.386 | 0.392 | 0.406 | 7.0 |
| Diethylphthalate | | 1.470 | 1.417 | 1.412 | 1.225 | 1.238 | 1.310 | 9.3 |
| 4-Chlorophenyl-phenylether | | 0.738 | 0.694 | 0.659 | 0.567 | 0.565 | 0.617 | 13.0 |
| Fluorene | | 1.512 | 1.410 | 1.353 | 1.167 | 1.164 | 1.262 | 13.0 |
| 4-Nitroaniline | | 0.297 | 0.312 | 0.330 | 0.290 | 0.294 | 0.302 | 5.4 |
| 4,6-Dinitro-2-methylphenol | | 0.080 | 0.105 | 0.122 | 0.125 | 0.131 | 0.118 | 16.3 |
| n-Nitrosodiphenylamine | | 0.716 | 0.684 | 0.674 | 0.626 | 0.622 | 0.647 | 6.9 |
| 2,4,6-Tribromophenol | | 0.198 | 0.198 | 0.198 | 0.173 | 0.175 | 0.183 | 8.0 |
| 4-Bromophenyl-phenylether | | 0.235 | 0.234 | 0.234 | 0.217 | 0.218 | 0.224 | 4.6 |
| Hexachlorobenzene | | 0.257 | 0.250 | 0.248 | 0.229 | 0.229 | 0.238 | 6.1 |
| Atrazine | | 0.211 | 0.202 | 0.213 | 0.213 | 0.215 | 0.216 | 4.9 |
| Pentachlorophenol | | 0.112 | 0.136 | 0.146 | 0.143 | 0.146 | 0.139 | 9.1 |
| Phenanthrene | | 1.233 | 1.170 | 1.142 | 1.025 | 1.008 | 1.075 | 10.0 |
| Anthracene | | 1.179 | 1.146 | 1.120 | 1.009 | 0.999 | 1.053 | 9.0 |
| Carbazole | | 1.019 | 1.014 | 1.021 | 0.899 | 0.878 | 0.934 | 9.0 |
| Di-n-butylphthalate | | 1.244 | 1.239 | 1.245 | 1.086 | 1.051 | 1.132 | 9.7 |
| Fluoranthene | | 1.195 | 1.202 | 1.196 | 1.013 | 0.963 | 1.062 | 12.6 |
| Pyrene | | 2.178 | 2.063 | 2.002 | 1.754 | 1.870 | 1.920 | 9.1 |
| Terphenyl-d14 | | 1.543 | 1.411 | 1.370 | 1.183 | 1.238 | 1.297 | 11.7 |
| Butylbenzylphthalate | | 0.686 | 0.690 | 0.739 | 0.626 | 0.657 | 0.671 | 6.5 |
| 3,3-Dichlorobenzidine | | 0.412 | 0.422 | 0.427 | 0.418 | 0.478 | 0.439 | 5.8 |
| Benzo(a)anthracene | | 1.532 | 1.410 | 1.453 | 1.270 | 1.375 | 1.380 | 7.0 |
| Chrysene | | 1.332 | 1.325 | 1.342 | 1.136 | 1.267 | 1.265 | 6.0 |
| Bis(2-ethylhexyl)phthalate | | 0.882 | 0.903 | 0.956 | 0.785 | 0.831 | 0.851 | 7.9 |
| Di-n-octyl phthalate | | 1.194 | 1.267 | 1.438 | 1.230 | 1.365 | 1.321 | 7.0 |
| Benzo(b)fluoranthene | | 1.358 | 1.382 | 1.328 | 1.120 | 1.265 | 1.258 | 8.3 |
| Benzo(k)fluoranthene | | 1.167 | 1.114 | 1.274 | 1.083 | 1.049 | 1.114 | 7.3 |
| Benzo(a)pyrene | | 1.118 | 1.059 | 1.131 | 1.011 | 1.061 | 1.063 | 4.4 |
| Indeno(1,2,3-cd)pyrene | | 1.217 | 1.268 | 1.337 | 1.257 | 1.348 | 1.291 | 3.7 |

All other compounds must meet a minimum RRF of 0.010.

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date(s): 01/29/2025 01/29/2025

Calibration Time(s): 10:30 17:05

LAB FILE ID: RRF2.5 = BF141290.D RRF005 = BF141291.D RRF010 = BF141292.D
RRF020 = BF141293.D RRF040 = BF141294.D RRF050 = BF141295.D

| COMPOUND | RRF2.5 | RRF005 | RRF010 | RRF020 | RRF040 | RRF050 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dibenzo(a,h)anthracene | | 0.966 | 1.001 | 1.101 | 1.016 | 1.087 | 1.039 | 4.7 |
| Benzo(g,h,i)perylene | | 1.011 | 1.075 | 1.139 | 1.043 | 1.123 | 1.080 | 4.2 |
| 1,2,4,5-Tetrachlorobenzene | | 0.615 | 0.613 | 0.603 | 0.534 | 0.555 | 0.569 | 7.3 |
| 1,4-Dioxane | | 0.600 | 0.603 | 0.597 | 0.538 | 0.574 | 0.573 | 5.2 |
| 2,3,4,6-Tetrachlorophenol | | 0.325 | 0.343 | 0.341 | 0.304 | 0.305 | 0.319 | 6.1 |

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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141290.D 5 =BF141291.D 10 =BF141292.D 20 =BF141293.D 40 =BF141294.D 50 =BF141295.D 60 =BF141296.D 80 =BF1412
97.D

| | | Compound | 2.5 | 5 | 10 | 20 | 40 | 50 | 60 | 80 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | | | |
| 2) | | 1,4-Dioxane | | 0.600 | 0.603 | 0.597 | 0.538 | 0.574 | 0.569 | 0.530 | 0.573 | 5.19 |
| 3) | | Pyridine | | 1.364 | 1.410 | 1.450 | 1.320 | 1.394 | 1.404 | 1.322 | 1.380 | 3.46 |
| 4) | | n-Nitrosodimet... | | 0.770 | 0.789 | 0.824 | 0.751 | 0.803 | 0.813 | 0.771 | 0.789 | 3.32 |
| 5) | S | 2-Fluorophenol | | 1.428 | 1.391 | 1.402 | 1.201 | 1.267 | 1.268 | 1.163 | 1.303 | 8.03 |
| 6) | | Aniline | | 1.480 | 1.511 | 1.542 | 1.359 | 1.404 | 1.350 | 1.174 | 1.403 | 8.93 |
| 7) | S | Phenol-d6 | | 1.841 | 1.800 | 1.743 | 1.520 | 1.611 | 1.611 | 1.475 | 1.657 | 8.47 |
| 8) | | 2-Chlorophenol | | 1.535 | 1.510 | 1.487 | 1.297 | 1.353 | 1.355 | 1.237 | 1.396 | 8.24 |
| 9) | | Benzaldehyde | | 1.166 | 1.130 | 1.104 | 0.895 | 0.861 | 0.837 | 0.727 | 0.960 | 17.81 |
| 10) | C | Phenol | | 1.938 | 1.879 | 1.884 | 1.643 | 1.696 | 1.704 | 1.554 | 1.757 | 8.22 |
| 11) | | bis(2-Chloroet... | | 1.478 | 1.413 | 1.426 | 1.232 | 1.299 | 1.329 | 1.253 | 1.347 | 6.93 |
| 12) | | 1,3-Dichlorobe... | | 1.697 | 1.668 | 1.648 | 1.429 | 1.499 | 1.474 | 1.362 | 1.540 | 8.49 |
| 13) | C | 1,4-Dichlorobe... | | 1.719 | 1.663 | 1.659 | 1.432 | 1.502 | 1.487 | 1.365 | 1.547 | 8.66 |
| 14) | | 1,2-Dichlorobe... | | 1.629 | 1.609 | 1.565 | 1.338 | 1.392 | 1.366 | 1.240 | 1.448 | 10.46 |
| 15) | | Benzyl Alcohol | | 1.138 | 1.201 | 1.216 | 1.082 | 1.137 | 1.125 | 1.028 | 1.133 | 5.72 |
| 16) | | 2,2'-oxybis(1-... | | 2.533 | 2.484 | 2.495 | 2.189 | 2.296 | 2.287 | 2.112 | 2.342 | 7.01 |
| 17) | | 2-Methylphenol | | 1.237 | 1.175 | 1.210 | 1.042 | 1.107 | 1.120 | 1.053 | 1.135 | 6.62 |
| 18) | | Hexachloroethane | | 0.609 | 0.612 | 0.610 | 0.530 | 0.560 | 0.561 | 0.513 | 0.571 | 7.09 |
| 19) | P | n-Nitroso-di-n... | 1.084 | 1.052 | 1.060 | 1.032 | 0.895 | 0.936 | 0.945 | 0.874 | 0.985 | 8.27 |
| 20) | | 3+4-Methylphenols | | 1.561 | 1.564 | 1.502 | 1.287 | 1.331 | 1.323 | 1.186 | 1.393 | 10.65 |
| 21) | I | Naphthalene-d8 | ----------ISTD---------- | | | | | | | | | |
| 22) | | Acetophenone | | 0.547 | 0.523 | 0.517 | 0.436 | 0.449 | 0.443 | 0.412 | 0.475 | 11.06 |
| 23) | S | Nitrobenzene-d5 | | 0.405 | 0.396 | 0.406 | 0.354 | 0.373 | 0.373 | 0.349 | 0.379 | 6.14 |
| 24) | | Nitrobenzene | | 0.418 | 0.411 | 0.420 | 0.371 | 0.385 | 0.389 | 0.358 | 0.393 | 6.14 |
| 25) | | Isophorone | | 0.698 | 0.685 | 0.694 | 0.611 | 0.640 | 0.648 | 0.615 | 0.656 | 5.62 |
| 26) | C | 2-Nitrophenol | | 0.176 | 0.187 | 0.199 | 0.177 | 0.189 | 0.191 | 0.179 | 0.185 | 4.66 |
| 27) | | 2,4-Dimethylph... | | 0.244 | 0.239 | 0.249 | 0.224 | 0.235 | 0.238 | 0.223 | 0.236 | 4.12 |
| 28) | | bis(2-Chloroet... | | 0.454 | 0.440 | 0.445 | 0.389 | 0.405 | 0.411 | 0.384 | 0.418 | 6.70 |
| 29) | C | 2,4-Dichloroph... | | 0.307 | 0.300 | 0.312 | 0.271 | 0.284 | 0.286 | 0.262 | 0.289 | 6.39 |
| 30) | | 1,2,4-Trichlor... | | 0.372 | 0.354 | 0.354 | 0.304 | 0.318 | 0.316 | 0.292 | 0.330 | 9.11 |
| 31) | | Naphthalene | | 1.193 | 1.145 | 1.140 | 0.976 | 1.020 | 1.002 | 0.919 | 1.057 | 9.72 |
| 32) | | Benzoic acid | | 0.140 | 0.178 | 0.238 | 0.221 | 0.241 | 0.259 | 0.242 | 0.217 | 19.59 |
| 33) | | 4-Chloroaniline | | 0.382 | 0.378 | 0.391 | 0.338 | 0.351 | 0.349 | 0.318 | 0.358 | 7.38 |
| 34) | C | Hexachlorobuta... | | 0.209 | 0.207 | 0.209 | 0.179 | 0.190 | 0.187 | 0.174 | 0.194 | 7.52 |
| 35) | | Caprolactam | | 0.097 | 0.095 | 0.102 | 0.089 | 0.094 | 0.096 | 0.089 | 0.094 | 4.89 |
| 36) | C | 4-Chloro-3-met... | | 0.328 | 0.328 | 0.334 | 0.287 | 0.301 | 0.307 | 0.283 | 0.310 | 6.71 |
| 37) | | 2-Methylnaphth... | | 0.755 | 0.732 | 0.724 | 0.624 | 0.643 | 0.639 | 0.583 | 0.672 | 9.68 |
| 38) | | 1-Methylnaphth... | | 0.757 | 0.723 | 0.711 | 0.606 | 0.625 | 0.623 | 0.573 | 0.660 | 10.56 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF012925.M

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 39) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 40) | | 1,2,4,5-Tetrac... | 0.615 | 0.613 | 0.603 | 0.534 | 0.555 | 0.551 | 0.512 | 0.569 | 7.25 |
| 41) | P | Hexachlorocycl... | 0.136 | 0.157 | 0.174 | 0.172 | 0.182 | 0.181 | 0.174 | 0.168 | 9.69 |
| 42) | S | 2,4,6-Tribromo... | 0.198 | 0.198 | 0.198 | 0.173 | 0.175 | 0.179 | 0.163 | 0.183 | 7.98 |
| 43) | C | 2,4,6-Trichlor... | 0.381 | 0.380 | 0.390 | 0.364 | 0.375 | 0.369 | 0.347 | 0.372 | 3.79 |
| 44) | | 2,4,5-Trichlor... | 0.429 | 0.425 | 0.429 | 0.377 | 0.391 | 0.403 | 0.383 | 0.405 | 5.50 |
| 45) | S | 2-Fluorobiphenyl | 1.597 | 1.464 | 1.398 | 1.184 | 1.202 | 1.168 | 1.083 | 1.299 | 14.48 |
| 46) | | 1,1'-Biphenyl | 1.810 | 1.692 | 1.650 | 1.454 | 1.492 | 1.460 | 1.360 | 1.560 | 10.27 |
| 47) | | 2-Chloronaphth... | 1.396 | 1.310 | 1.290 | 1.122 | 1.159 | 1.156 | 1.077 | 1.216 | 9.59 |
| 48) | | 2-Nitroaniline | 0.386 | 0.389 | 0.407 | 0.364 | 0.382 | 0.385 | 0.364 | 0.382 | 3.91 |
| 49) | | Acenaphthylene | 1.921 | 1.854 | 1.815 | 1.595 | 1.620 | 1.612 | 1.495 | 1.702 | 9.38 |
| 50) | | Dimethylphthalate | 1.498 | 1.456 | 1.445 | 1.239 | 1.299 | 1.296 | 1.223 | 1.351 | 8.34 |
| 51) | | 2,6-Dinitrotol... | 0.333 | 0.331 | 0.333 | 0.296 | 0.304 | 0.309 | 0.290 | 0.314 | 5.90 |
| 52) | C | Acenaphthene | 1.361 | 1.300 | 1.291 | 1.128 | 1.170 | 1.180 | 1.079 | 1.216 | 8.46 |
| 53) | | 3-Nitroaniline | 0.321 | 0.330 | 0.341 | 0.303 | 0.293 | 0.298 | 0.264 | 0.307 | 8.44 |
| 54) | P | 2,4-Dinitrophenol | | 0.102 | 0.136 | 0.147 | 0.156 | 0.169 | 0.164 | 0.146 | 16.81 |
| 55) | | Dibenzofuran | 1.869 | 1.788 | 1.755 | 1.518 | 1.525 | 1.539 | 1.398 | 1.627 | 10.72 |
| 56) | P | 4-Nitrophenol | 0.187 | 0.215 | 0.251 | 0.224 | 0.231 | 0.244 | 0.222 | 0.225 | 9.21 |
| 57) | | 2,4-Dinitrotol... | 0.424 | 0.431 | 0.443 | 0.386 | 0.392 | 0.404 | 0.362 | 0.406 | 7.03 |
| 58) | | Fluorene | 1.512 | 1.410 | 1.353 | 1.167 | 1.164 | 1.172 | 1.059 | 1.262 | 12.96 |
| 59) | | 2,3,4,6-Tetrac... | 0.325 | 0.343 | 0.341 | 0.304 | 0.305 | 0.324 | 0.291 | 0.319 | 6.11 |
| 60) | | Diethylphthalate | 1.470 | 1.417 | 1.412 | 1.225 | 1.238 | 1.260 | 1.146 | 1.310 | 9.32 |
| 61) | | 4-Chlorophenyl... | 0.738 | 0.694 | 0.659 | 0.567 | 0.565 | 0.571 | 0.522 | 0.617 | 13.04 |
| 62) | | 4-Nitroaniline | 0.297 | 0.312 | 0.330 | 0.290 | 0.294 | 0.311 | 0.281 | 0.302 | 5.45 |
| 63) | | Azobenzene | 1.464 | 1.411 | 1.390 | 1.224 | 1.249 | 1.276 | 1.162 | 1.311 | 8.51 |
| 64) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 65) | | 4,6-Dinitro-2-... | 0.080 | 0.105 | 0.122 | 0.125 | 0.131 | 0.134 | 0.131 | 0.118 | 16.29 |
| 66) | c | n-Nitrosodiphe... | 0.716 | 0.684 | 0.674 | 0.626 | 0.622 | 0.614 | 0.593 | 0.647 | 6.89 |
| 67) | | 4-Bromophenyl-... | 0.235 | 0.234 | 0.234 | 0.217 | 0.218 | 0.220 | 0.210 | 0.224 | 4.57 |
| 68) | | Hexachlorobenzene | 0.257 | 0.250 | 0.248 | 0.229 | 0.229 | 0.232 | 0.217 | 0.238 | 6.07 |
| 69) | | Atrazine | 0.211 | 0.202 | 0.213 | 0.213 | 0.215 | 0.235 | 0.224 | 0.216 | 4.86 |
| 70) | C | Pentachlorophenol | 0.112 | 0.136 | 0.146 | 0.143 | 0.146 | 0.149 | 0.141 | 0.139 | 9.08 |
| 71) | | Phenanthrene | 1.233 | 1.170 | 1.142 | 1.025 | 1.008 | 1.010 | 0.937 | 1.075 | 9.96 |
| 72) | | Anthracene | 1.179 | 1.146 | 1.120 | 1.009 | 0.999 | 0.996 | 0.924 | 1.053 | 9.00 |
| 73) | | Carbazole | 1.019 | 1.014 | 1.021 | 0.899 | 0.878 | 0.900 | 0.807 | 0.934 | 9.04 |
| 74) | | Di-n-butylphth... | 1.244 | 1.239 | 1.245 | 1.086 | 1.051 | 1.081 | 0.978 | 1.132 | 9.65 |
| 75) | C | Fluoranthene | 1.195 | 1.202 | 1.196 | 1.013 | 0.963 | 0.982 | 0.880 | 1.062 | 12.57 |
| 76) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 77) | | Benzidine | 0.882 | 0.480 | 0.210 | 0.730 | 0.906 | 0.724 | 0.556 | 0.641 | 38.34 |
| 78) | | Pyrene | 2.178 | 2.063 | 2.002 | 1.754 | 1.870 | 1.898 | 1.674 | 1.920 | 9.14 |
| 79) | S | Terphenyl-d14 | 1.543 | 1.411 | 1.370 | 1.183 | 1.238 | 1.230 | 1.103 | 1.297 | 11.68 |
| 80) | | Butylbenzylpht... | 0.686 | 0.690 | 0.739 | 0.626 | 0.657 | 0.688 | 0.610 | 0.671 | 6.49 |
| 81) | | Benzo(a)anthra... | 1.532 | 1.410 | 1.453 | 1.270 | 1.375 | 1.355 | 1.265 | 1.380 | 6.96 |
| 82) | | 3,3'-Dichlorob... | 0.412 | 0.422 | 0.427 | 0.418 | 0.478 | 0.466 | 0.449 | 0.439 | 5.82 |
| 83) | | Chrysene | 1.332 | 1.325 | 1.342 | 1.136 | 1.267 | 1.243 | 1.210 | 1.265 | 5.98 |
| 84) | | Bis(2-ethylhex... | 0.882 | 0.903 | 0.956 | 0.785 | 0.831 | 0.834 | 0.764 | 0.851 | 7.93 |
| 85) | c | Di-n-octyl pht... | 1.194 | 1.267 | 1.438 | 1.230 | 1.365 | 1.406 | 1.352 | 1.321 | 6.98 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF012925.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 86) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | |
| 87) | | Indeno(1,2,3-c... | 1.217 | 1.268 | 1.337 | 1.257 | 1.348 | 1.322 | 1.287 | 1.291 | 3.67 |
| 88) | | Benzo(b)fluora... | 1.358 | 1.382 | 1.328 | 1.120 | 1.265 | 1.218 | 1.136 | 1.258 | 8.33 |
| 89) | | Benzo(k)fluora... | 1.167 | 1.114 | 1.274 | 1.083 | 1.049 | 1.060 | 1.054 | 1.114 | 7.32 |
| 90) | C | Benzo(a)pyrene | 1.118 | 1.059 | 1.131 | 1.011 | 1.061 | 1.051 | 1.010 | 1.063 | 4.44 |
| 91) | | Dibenzo(a,h)an... | 0.966 | 1.001 | 1.101 | 1.016 | 1.087 | 1.071 | 1.028 | 1.039 | 4.73 |
| 92) | | Benzo(g,h,i)pe... | 1.011 | 1.075 | 1.139 | 1.043 | 1.123 | 1.105 | 1.063 | 1.080 | 4.22 |

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141290.D
Acq On : 29 Jan 2025 10:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 29 16:26:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.798 | 152 | 137039 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.081 | 136 | 552749 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.833 | 164 | 301993 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.322 | 188 | 536934 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.963 | 240 | 311885 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.427 | 264 | 276754 | 20.000 | ng | -0.01 |
| 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... | 7.198 | 70 | 18566 | 2.764 | ng | 99 |

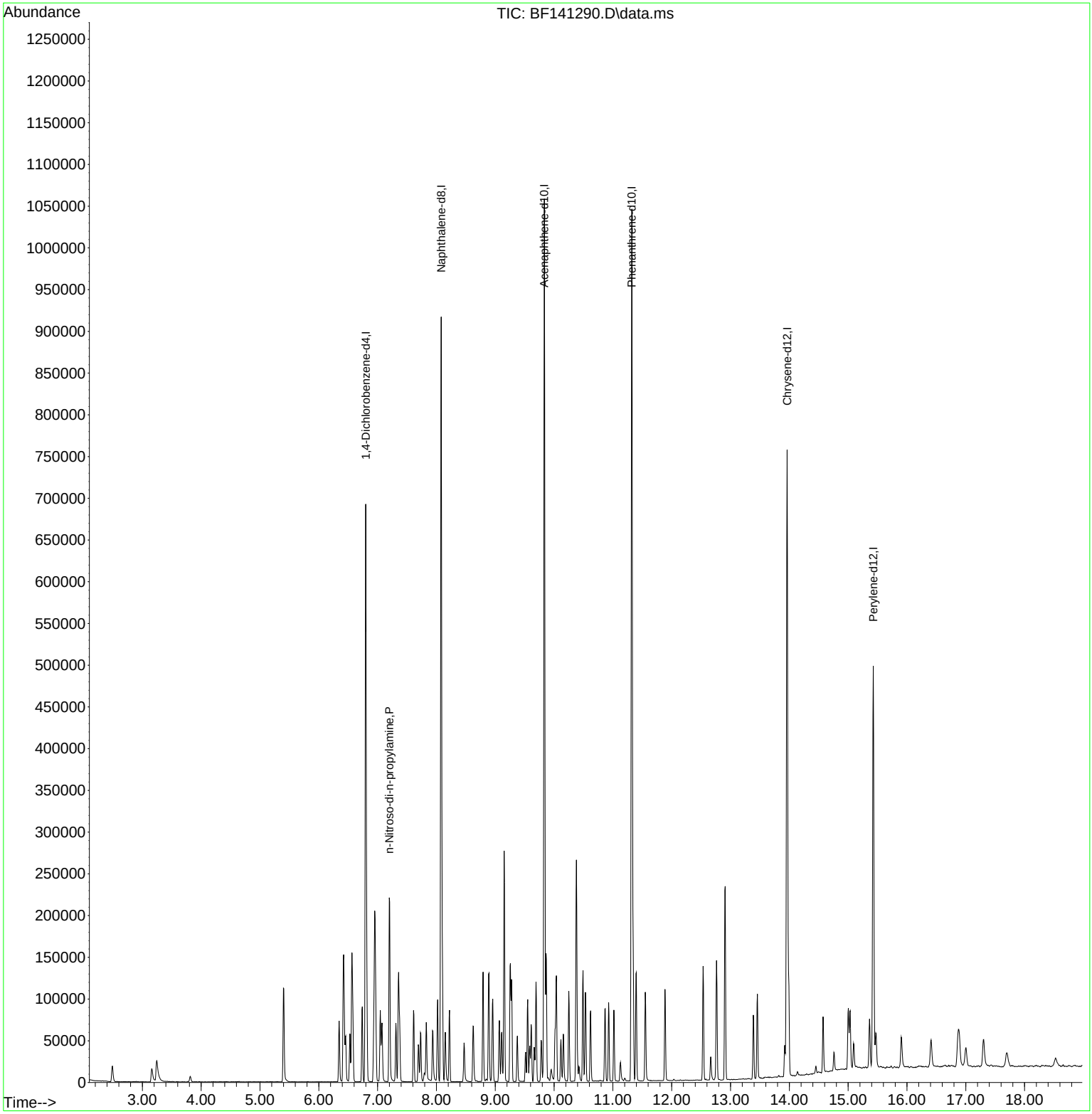
(#) = qualifier out of range (m) = manual integration (+) = signals summed

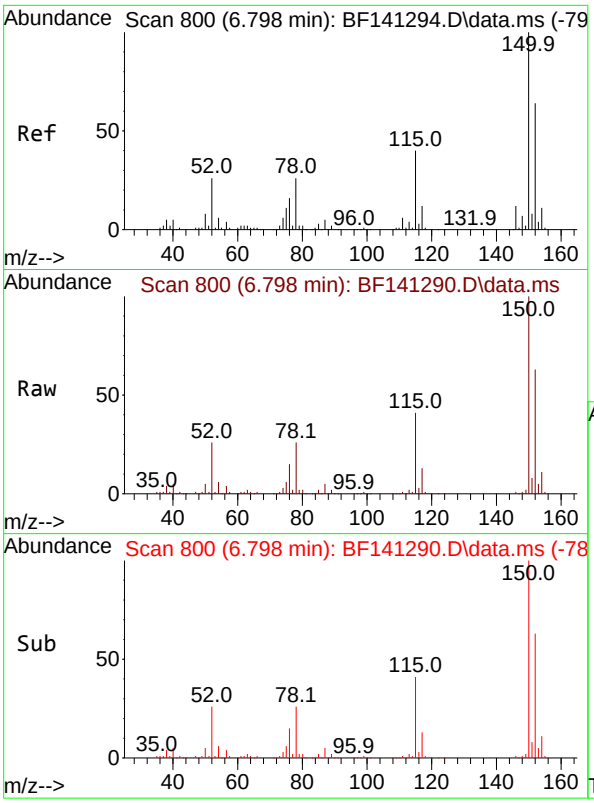
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141290.D
Acq On : 29 Jan 2025 10:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 29 16:26:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration



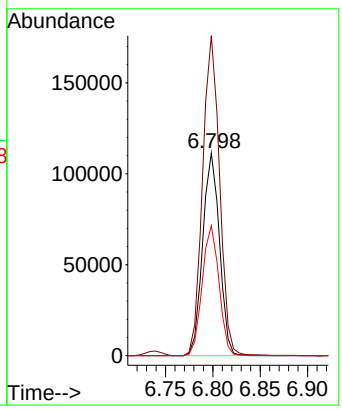


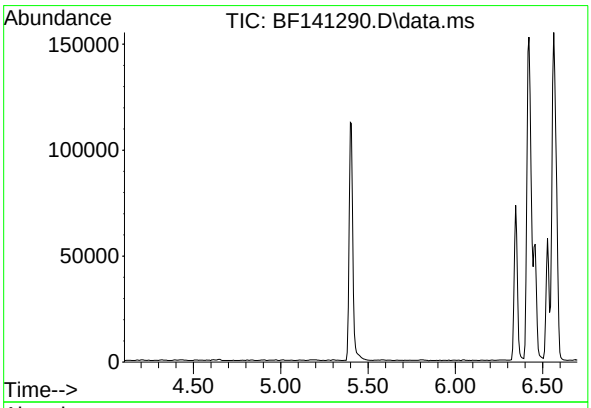

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

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

Tgt Ion:152 Resp: 137039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.8 | 125.9 | 188.9 |
| 115 | 64.0 | 49.7 | 74.5 |



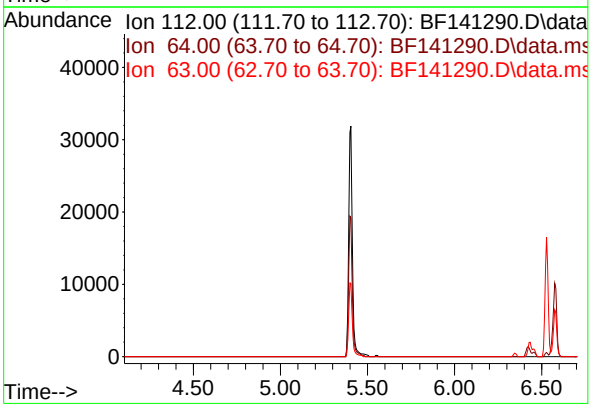



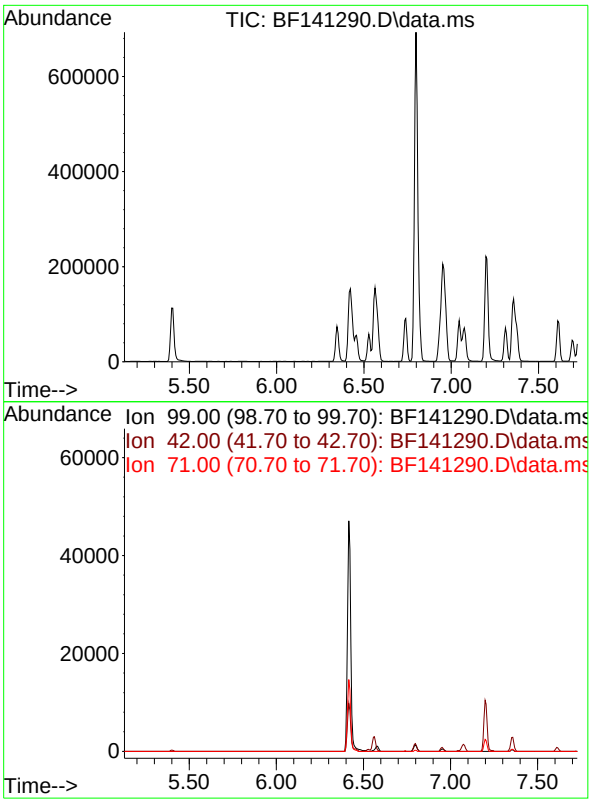

#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.40 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 112

| Sig | Exp Ratio |
|---|---|
| 112 | 100 |
| 64 | 62.3 |
| 63 | 32.6 |





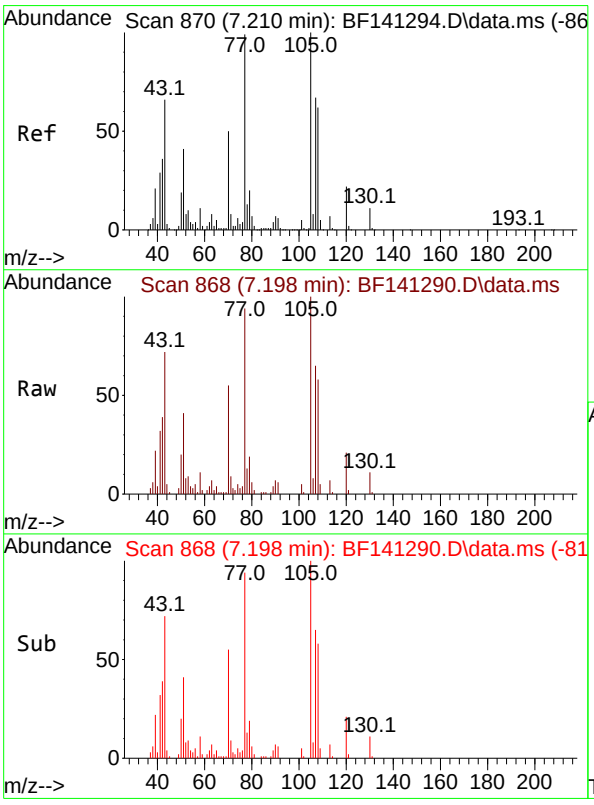

#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.43 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

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

Tgt Ion: 99

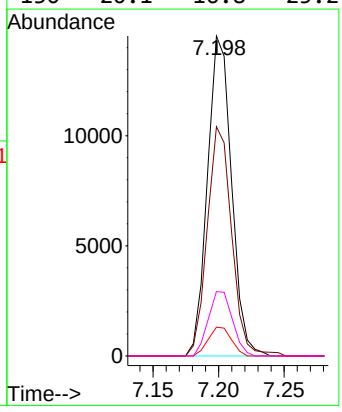
| Sig | Exp Ratio |
|---|---|
| 99 | 100 |
| 42 | 21.4 |
| 71 | 33.6 |

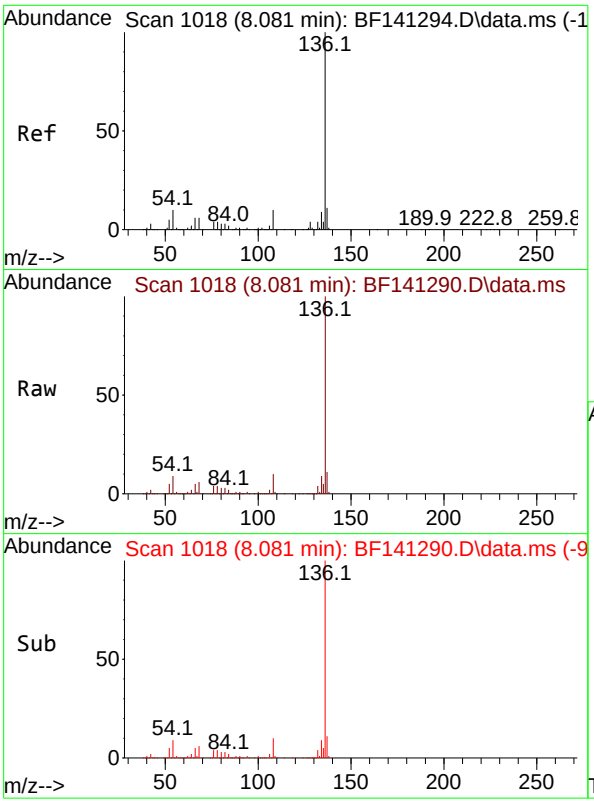



#19
n-Nitroso-di-n-propylamine
Concen: 2.764 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 70 Resp: 18566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 71.6 | 56.8 | 85.2 |
| 101 | 9.0 | 7.7 | 11.5 |
| 130 | 20.1 | 16.8 | 25.2 |



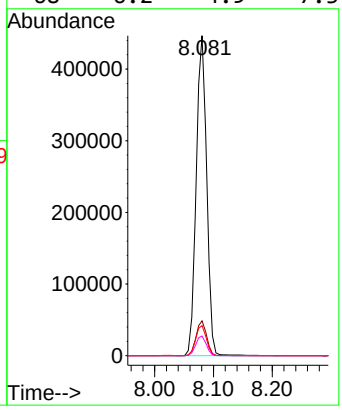


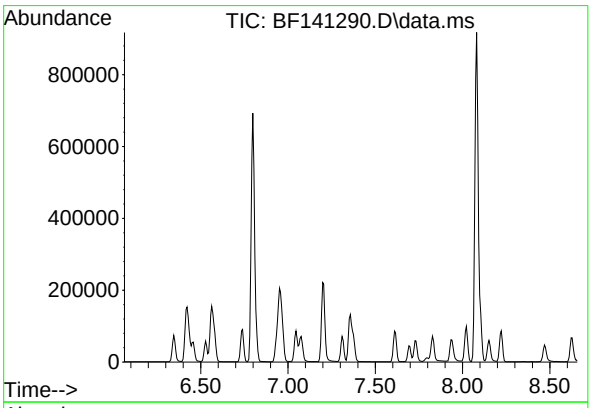

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

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

Tgt Ion:136 Resp: 552749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.6 | 13.0 |
| 54 | 9.4 | 7.8 | 11.8 |
| 68 | 6.2 | 4.9 | 7.3 |



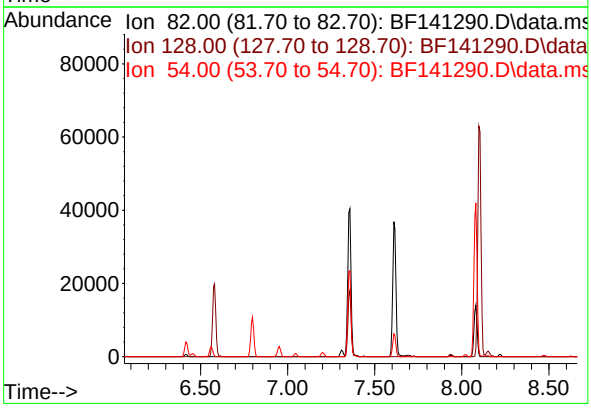



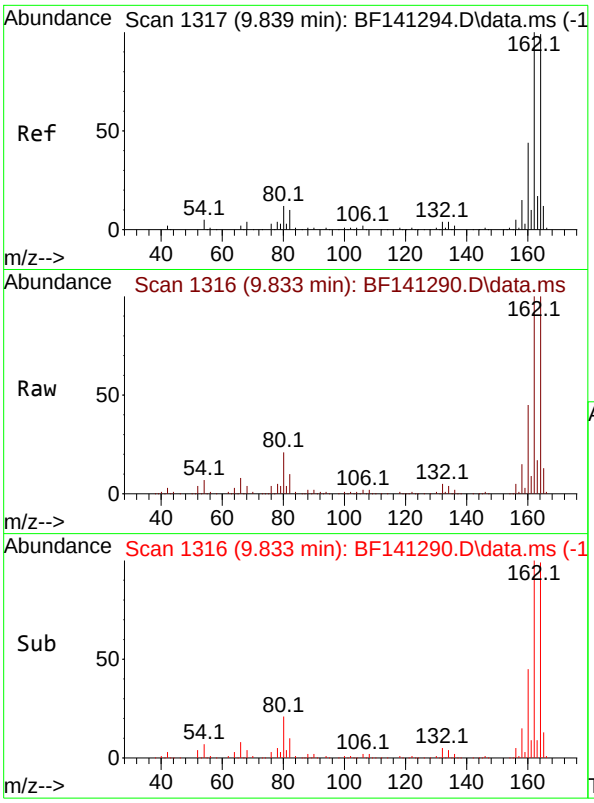

#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.36 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 82

| Sig | Exp Ratio |
|---|---|
| 82 | 100 |
| 128 | 44.6 |
| 54 | 58.9 |



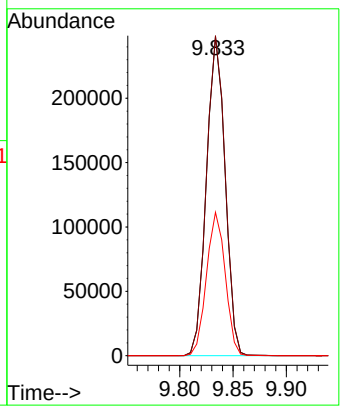


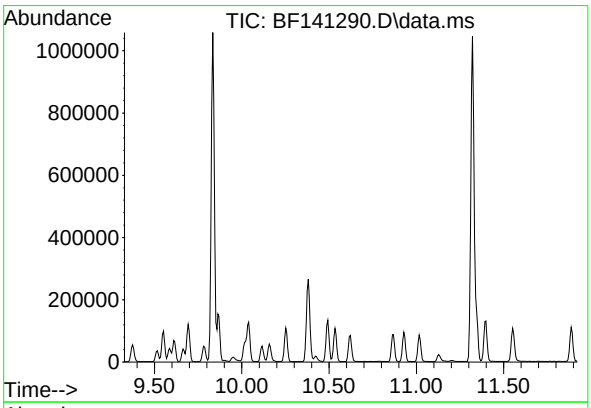

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

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

Tgt Ion:164 Resp: 301993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.3 | 80.6 | 121.0 |
| 160 | 44.9 | 35.8 | 53.6 |



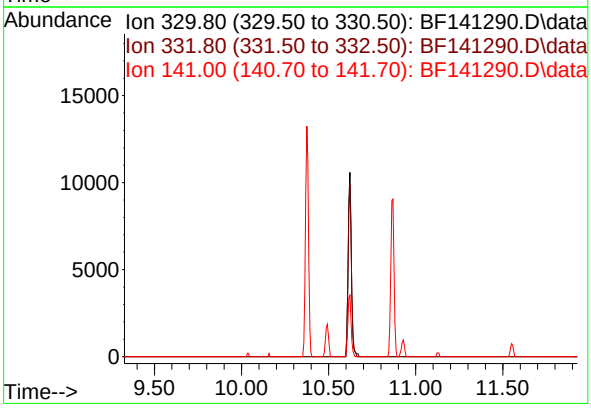



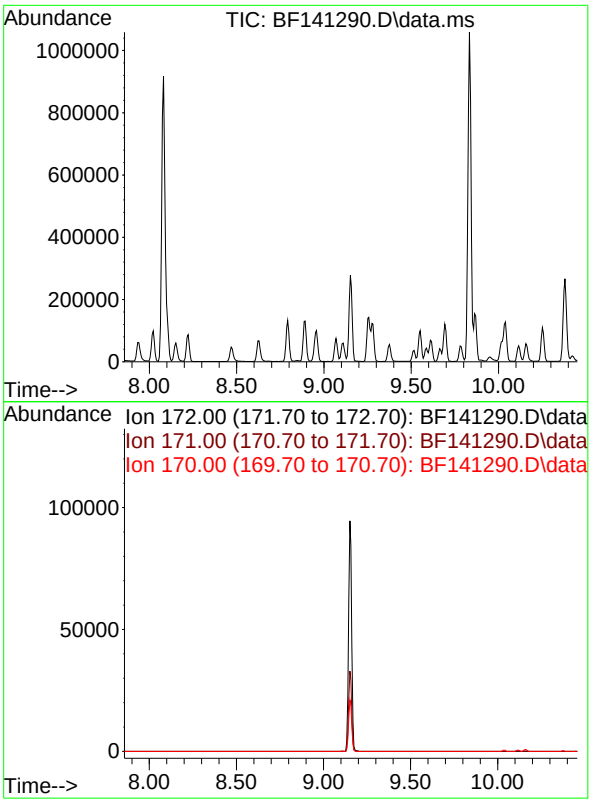

#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.63 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 330

| Sig | Exp Ratio |
|---|---|
| 330 | 100 |
| 332 | 95.1 |
| 141 | 36.0 |





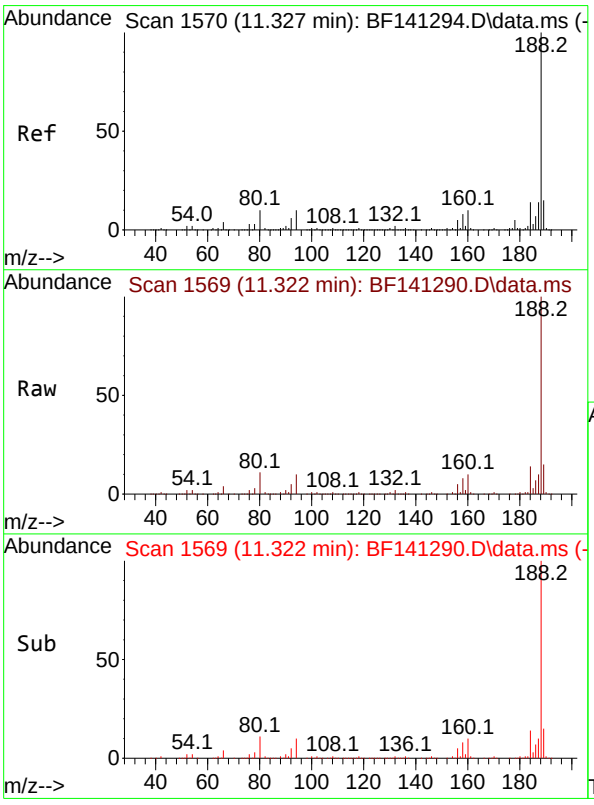

#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.16 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

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

Tgt Ion: 172

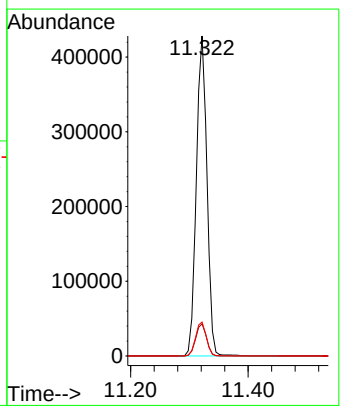
| Sig | Exp Ratio |
|---|---|
| 172 | 100 |
| 171 | 36.0 |
| 170 | 23.8 |

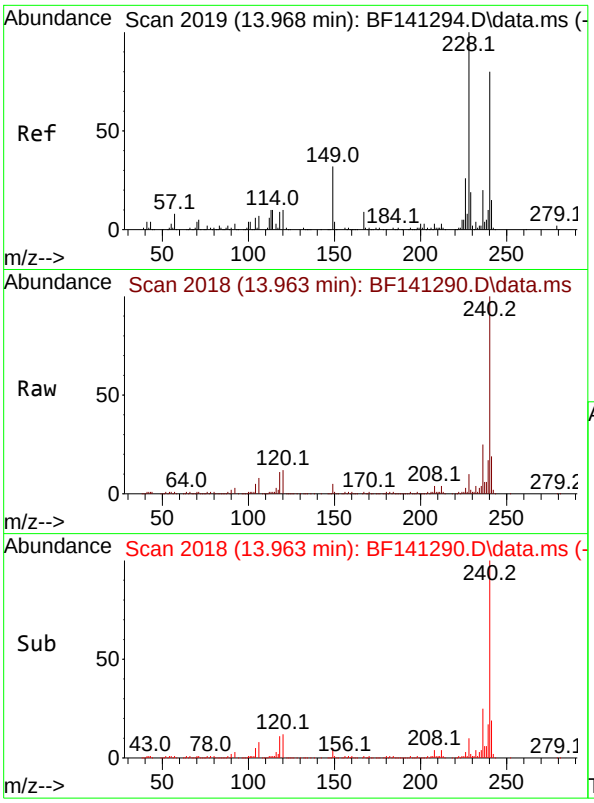



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion:188 Resp: 536934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.1 | 7.8 | 11.6 |
| 80 | 10.6 | 8.2 | 12.4 |



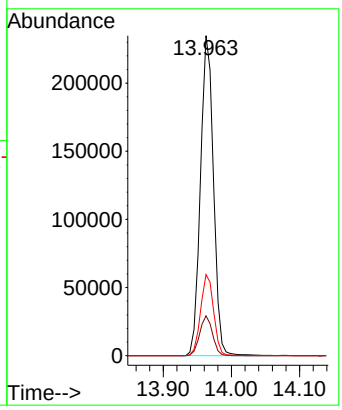


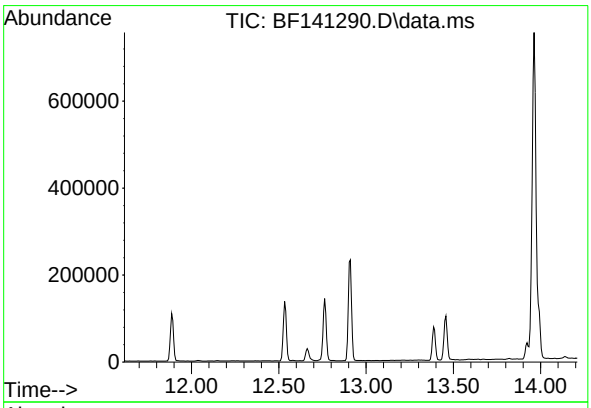

#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

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

Tgt Ion:240 Resp: 311885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.4 | 10.0 | 15.0 |
| 236 | 25.3 | 19.7 | 29.5 |



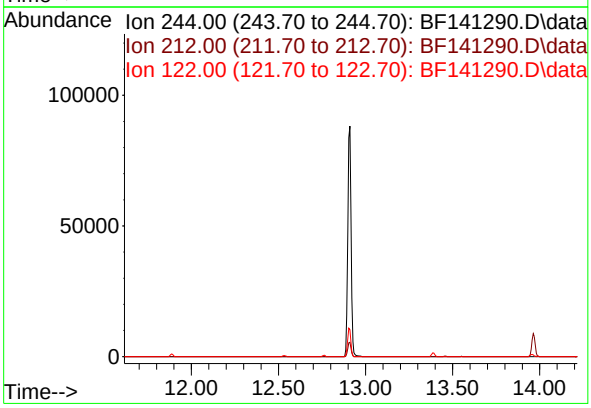



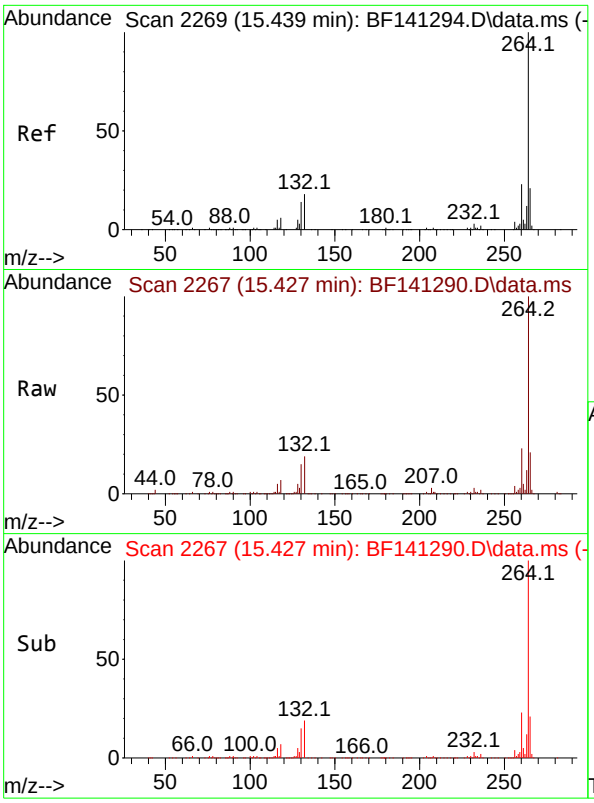

#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.92 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 244

| Sig | Exp Ratio |
|---|---|
| 244 | 100 |
| 212 | 6.7 |
| 122 | 11.0 |



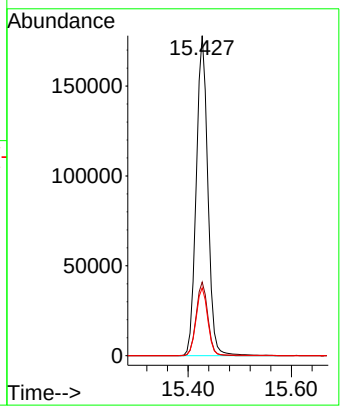



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

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

Tgt Ion:264 Resp: 276754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 18.6 | 27.8 |
| 265 | 21.2 | 16.7 | 25.1 |



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141291.D
Acq On : 29 Jan 2025 10:56
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jan 29 16:26:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.799 | 152 | 134200 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.081 | 136 | 531551 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.834 | 164 | 281034 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.322 | 188 | 497368 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.963 | 240 | 288657 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.427 | 264 | 273117 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.404 | 112 | 95839 | 11.044 | ng | | 0.00 |
| 7) Phenol-d6 | 6.416 | 99 | 123556 | 11.172 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.357 | 82 | 107680 | 10.719 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.622 | 330 | 27799 | 10.855 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.151 | 172 | 224446 | 12.320 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.910 | 244 | 222747 | 11.874 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.487 | 88 | 20141 | 5.229 | ng | | 99 |
| 3) Pyridine | 3.234 | 79 | 45762 | 4.967 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.158 | 42 | 25819 | 4.894 | ng | # | 96 |
| 6) Aniline | 6.457 | 93 | 49669 | 5.373 | ng | | 99 |
| 8) 2-Chlorophenol | 6.581 | 128 | 51505 | 5.527 | ng | | 96 |
| 9) Benzaldehyde | 6.346 | 77 | 39117 | 6.090 | ng | | 97 |
| 10) Phenol | 6.434 | 94 | 65035 | 5.558 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 6.528 | 93 | 49579 | 5.510 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.740 | 146 | 56929 | 5.539 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.816 | 146 | 57684 | 5.573 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.969 | 146 | 54653 | 5.650 | ng | | 98 |
| 15) Benzyl Alcohol | 6.934 | 79 | 38176 | 5.053 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075 | 45 | 84988 | 5.436 | ng | | 100 |
| 17) 2-Methylphenol | 7.046 | 107 | 41498 | 5.500 | ng | | 99 |
| 18) Hexachloroethane | 7.310 | 117 | 20418 | 5.332 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 7.198 | 70 | 35278 | 5.363 | ng | | 100 |
| 20) 3+4-Methylphenols | 7.198 | 107 | 52364 | 5.645 | ng | # | 90 |
| 22) Acetophenone | 7.204 | 105 | 72756 | 5.774 | ng | | 98 |
| 24) Nitrobenzene | 7.375 | 77 | 55610 | 5.337 | ng | | 99 |
| 25) Isophorone | 7.610 | 82 | 92818 | 5.346 | ng | | 98 |
| 26) 2-Nitrophenol | 7.693 | 139 | 23372 | 4.789 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.728 | 122 | 32462 | 5.205 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.828 | 93 | 60286 | 5.449 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.934 | 162 | 40847 | 5.360 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.022 | 180 | 49479 | 5.661 | ng | | 96 |
| 31) Naphthalene | 8.098 | 128 | 158560 | 5.672 | ng | | 99 |
| 32) Benzoic acid | 7.793 | 122 | 18585 | 3.281 | ng | | 93 |
| 33) 4-Chloroaniline | 8.151 | 127 | 50760 | 5.405 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.222 | 225 | 27720 | 5.419 | ng | | 99 |
| 35) Caprolactam | 8.475 | 113 | 12827 | 5.204 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 8.622 | 107 | 43627 | 5.334 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.793 | 142 | 100305 | 5.634 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.893 | 142 | 100569 | 5.767 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.957 | 216 | 43228 | 5.410 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 8.945 | 237 | 9555 | 3.985 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.069 | 196 | 26790 | 5.136 | ng | | 97 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141291.D
Acq On : 29 Jan 2025 10:56
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jan 29 16:26:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

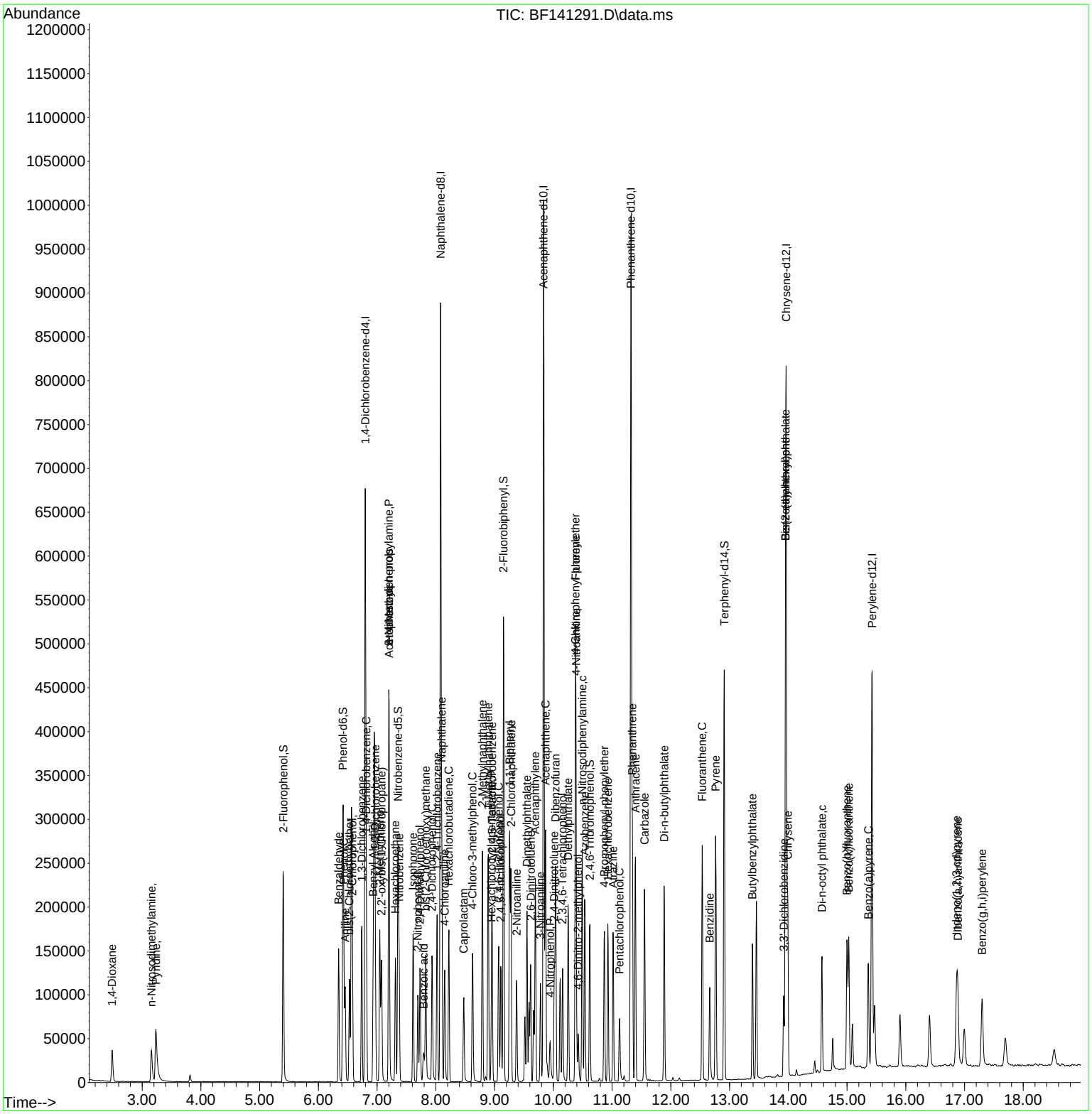
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.104 | 196 | 30127 | 5.309 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.257 | 154 | 127187 | 5.801 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.281 | 162 | 98081 | 5.760 | ng | 97 |
| 48) 2-Nitroaniline | 9.375 | 65 | 27154 | 5.056 | ng | 99 |
| 49) Acenaphthylene | 9.692 | 152 | 134958 | 5.643 | ng | 99 |
| 50) Dimethylphthalate | 9.551 | 163 | 105240 | 5.584 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.616 | 165 | 23372 | 5.329 | ng | 95 |
| 52) Acenaphthene | 9.869 | 154 | 95591 | 5.617 | ng | 100 |
| 53) 3-Nitroaniline | 9.781 | 138 | 22582 | 5.206 | ng | 91 |
| 55) Dibenzofuran | 10.039 | 168 | 131288 | 5.769 | ng | 98 |
| 56) 4-Nitrophenol | 9.945 | 139 | 13160 | 4.226 | ng | 89 |
| 57) 2,4-Dinitrotoluene | 10.016 | 165 | 29799 | 5.268 | ng | 98 |
| 58) Fluorene | 10.381 | 166 | 106198 | 6.002 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232 | 22818 | 5.090 | ng | 96 |
| 60) Diethylphthalate | 10.251 | 149 | 103307 | 5.660 | ng | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.375 | 204 | 51875 | 6.007 | ng | 98 |
| 62) 4-Nitroaniline | 10.387 | 138 | 20870 | 5.008 | ng | 95 |
| 63) Azobenzene | 10.534 | 77 | 102878 | 5.623 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.422 | 198 | 9960 | 3.353 | ng | 92 |
| 66) n-Nitrosodiphenylamine | 10.492 | 169 | 89060 | 5.523 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.869 | 248 | 29160 | 5.245 | ng | 94 |
| 68) Hexachlorobenzene | 10.928 | 284 | 31990 | 5.424 | ng | 98 |
| 69) Atrazine | 11.016 | 200 | 26258 | 4.855 | ng | 97 |
| 70) Pentachlorophenol | 11.128 | 266 | 13924 | 4.027 | ng | 96 |
| 71) Phenanthrene | 11.345 | 178 | 153320 | 5.738 | ng | 99 |
| 72) Anthracene | 11.398 | 178 | 146593 | 5.625 | ng | 99 |
| 73) Carbazole | 11.551 | 167 | 126760 | 5.491 | ng | 99 |
| 74) Di-n-butylphthalate | 11.886 | 149 | 154718 | 5.560 | ng | 100 |
| 75) Fluoranthene | 12.533 | 202 | 148553 | 5.696 | ng | 99 |
| 77) Benzidine | 12.663 | 184 | 63661 | 7.253 | ng | 98 |
| 78) Pyrene | 12.763 | 202 | 157175 | 5.639 | ng | 99 |
| 80) Butylbenzylphthalate | 13.386 | 149 | 49477 | 5.140 | ng | 99 |
| 81) Benzo(a)anthracene | 13.951 | 228 | 110559 | 5.588 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.922 | 252 | 29754 | 4.803 | ng | 100 |
| 83) Chrysene | 13.992 | 228 | 96099 | 5.238 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.951 | 149 | 63638 | 5.269 | ng | 98 |
| 85) Di-n-octyl phthalate | 14.574 | 149 | 86163 | 4.560 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.863 | 276 | 83074 | 4.657 | ng | 99 |
| 88) Benzo(b)fluoranthene | 14.998 | 252 | 92690 | 5.465 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.027 | 252 | 79701 | 5.247 | ng | 99 |
| 90) Benzo(a)pyrene | 15.363 | 252 | 76368 | 5.268 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.886 | 278 | 65991 | 4.615 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.298 | 276 | 69049 | 4.591 | ng | 97 |

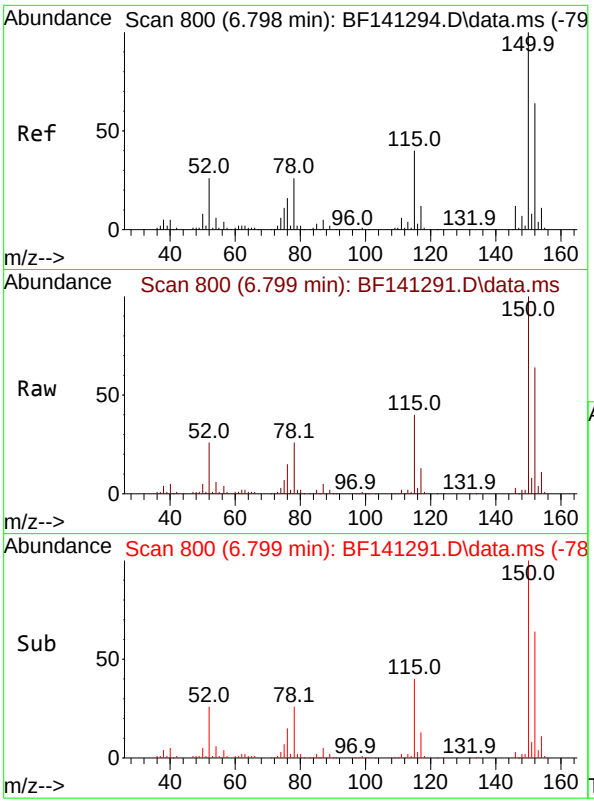
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141291.D
Acq On : 29 Jan 2025 10:56
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jan 29 16:26:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration



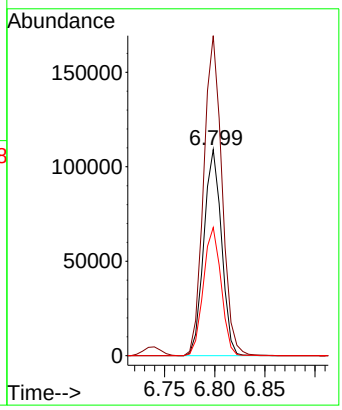


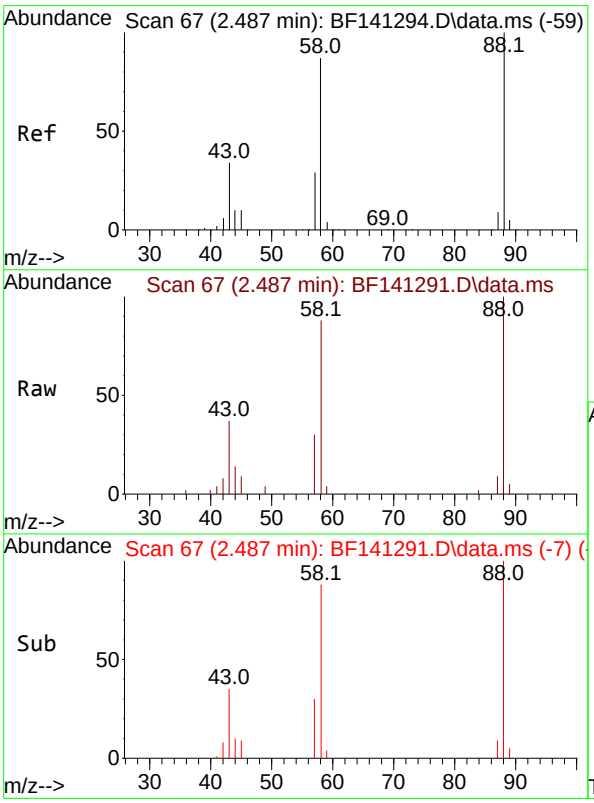

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.799 min Scan# 8
Delta R.T. 0.001 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:152 Resp: 134200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.3 | 125.9 | 188.9 |
| 115 | 62.2 | 49.7 | 74.5 |

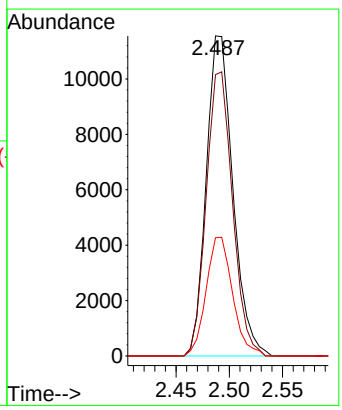


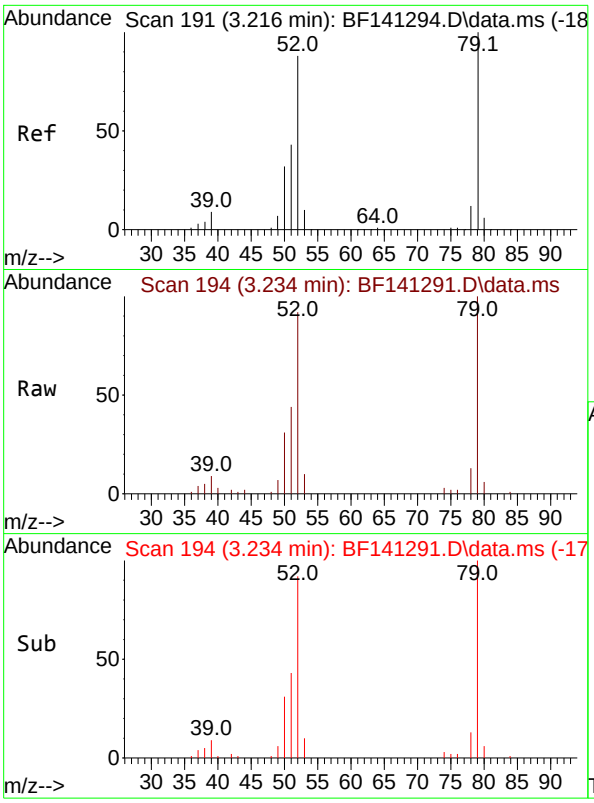




#2
1,4-Dioxane
Concen: 5.229 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 88 Resp: 20141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 87.4 | 70.2 | 105.4 |
| 43 | 36.8 | 27.6 | 41.4 |



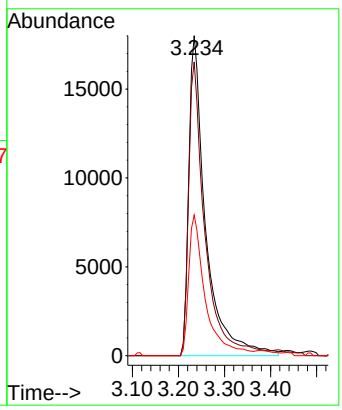


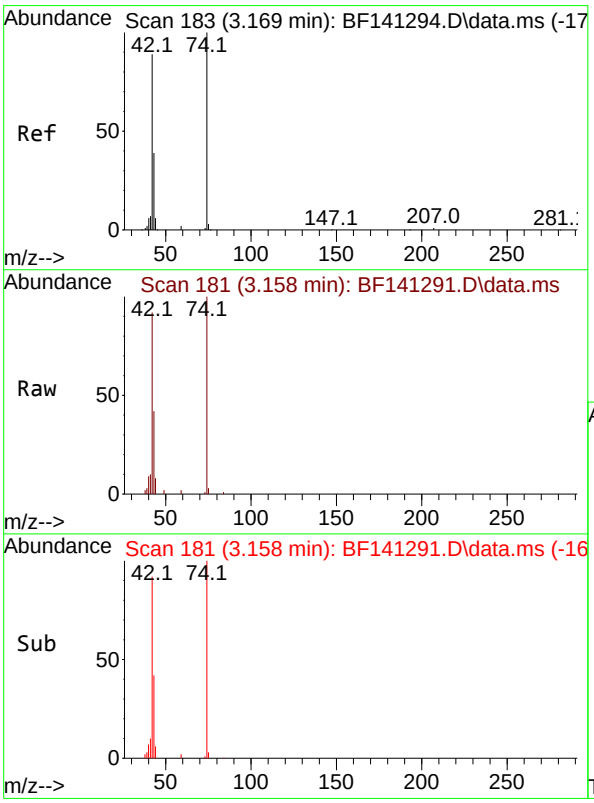

#3
Pyridine
Concen: 4.967 ng
RT: 3.234 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion: 79 Resp: 45762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 91.8 | 70.3 | 105.5 |
| 51 | 43.9 | 34.3 | 51.5 |

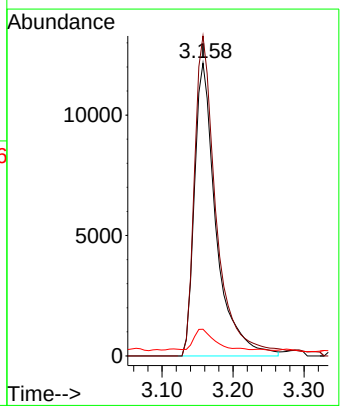


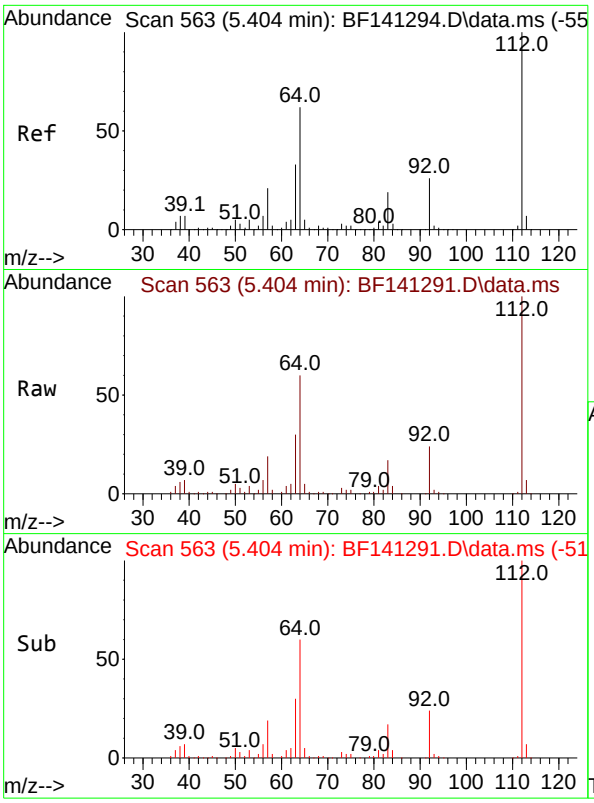




#4
n-Nitrosodimethylamine
Concen: 4.894 ng
RT: 3.158 min Scan# 181
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 42 Resp: 25819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 109.3 | 90.3 | 135.5 |
| 44 | 9.1 | 5.7 | 8.5# |



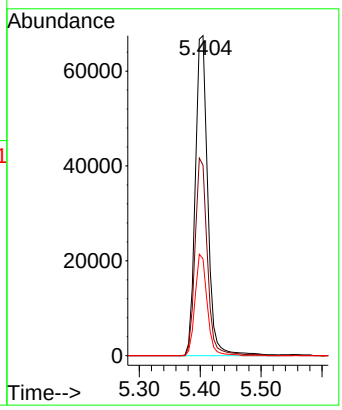


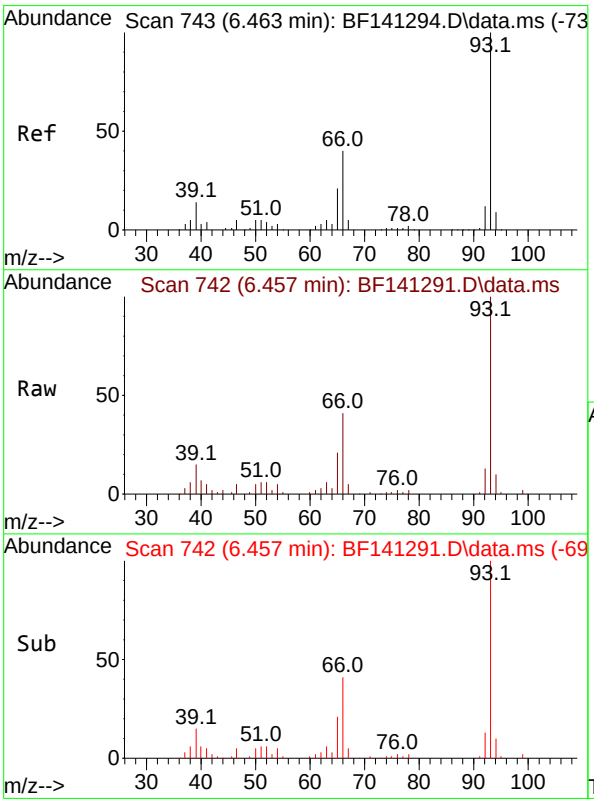

#5
2-Fluorophenol
Concen: 11.044 ng
RT: 5.404 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:112 Resp: 95839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.5 | 49.8 | 74.8 |
| 63 | 30.2 | 26.1 | 39.1 |

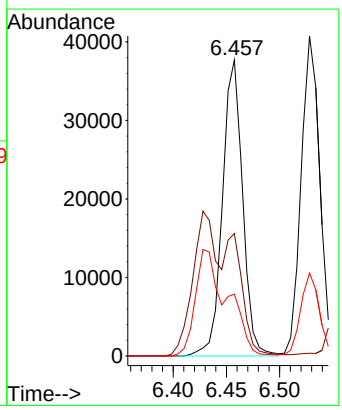


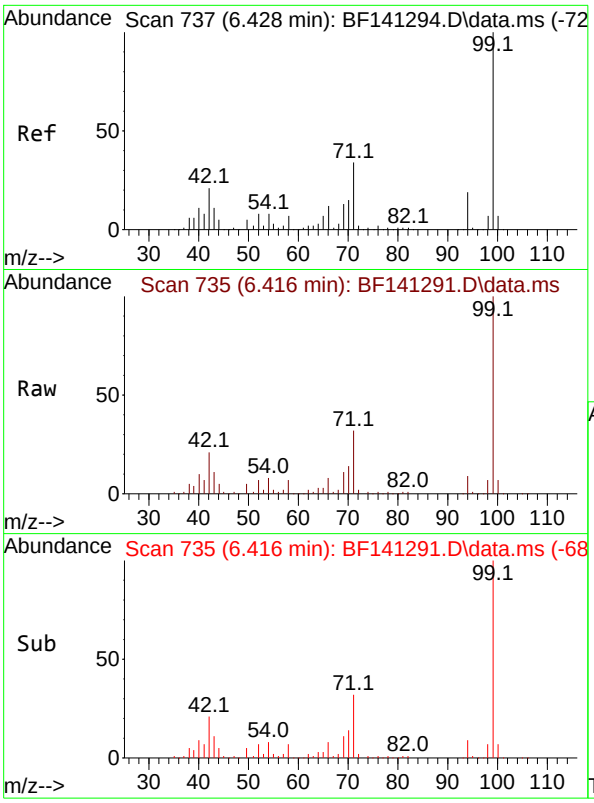




#6
Aniline
Concen: 5.373 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 93 Resp: 49669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 41.4 | 32.5 | 48.7 |
| 65 | 20.9 | 17.0 | 25.6 |



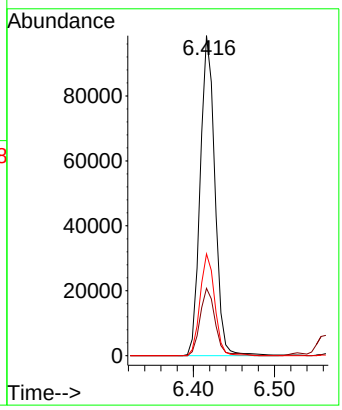


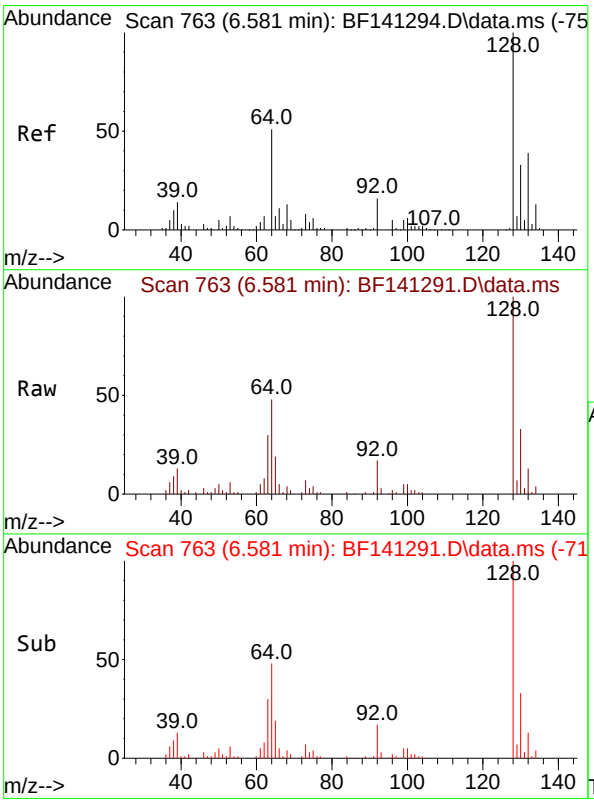

#7
Phenol-d6
Concen: 11.172 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion: 99 Resp: 123556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.0 | 17.1 | 25.7 |
| 71 | 31.8 | 26.9 | 40.3 |

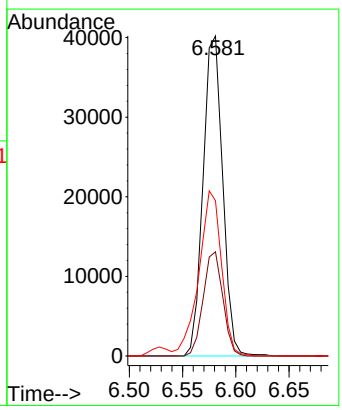


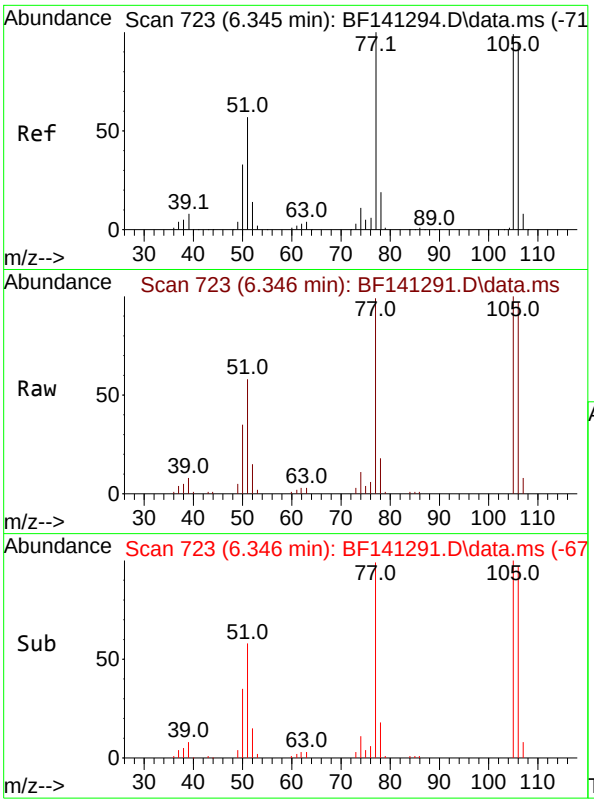




#8
2-Chlorophenol
Concen: 5.527 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:128 Resp: 51505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.5 | 12.5 | 52.5 |
| 64 | 48.5 | 32.9 | 72.9 |



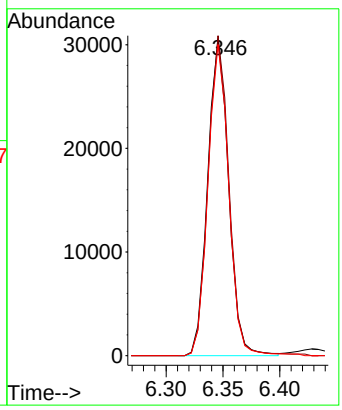


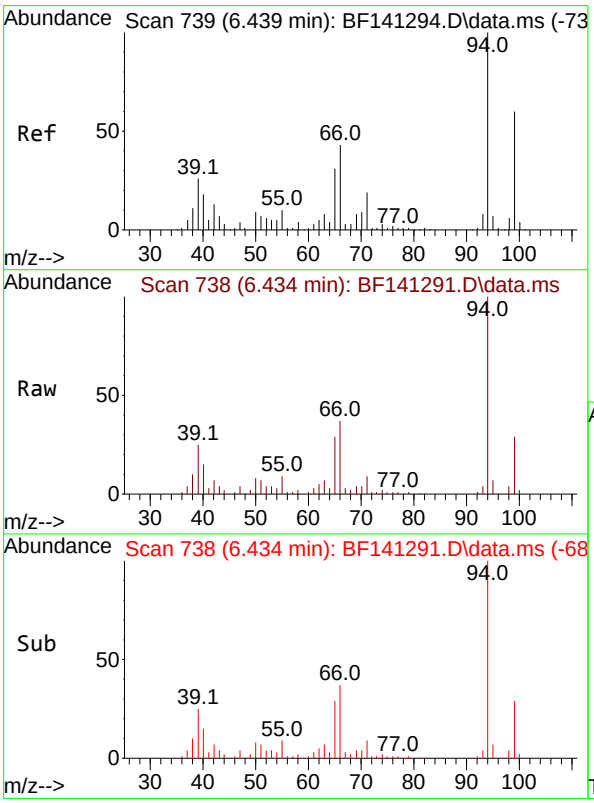

#9
Benzaldehyde
Concen: 6.090 ng
RT: 6.346 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion: 77 Resp: 39117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 100.9 | 79.4 | 119.4 |
| 106 | 98.1 | 74.6 | 114.6 |

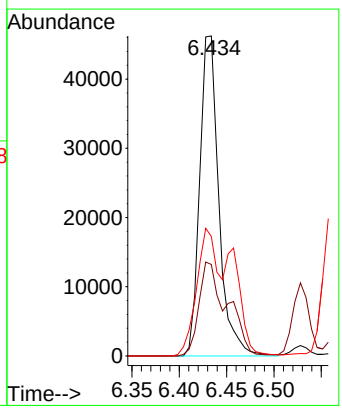


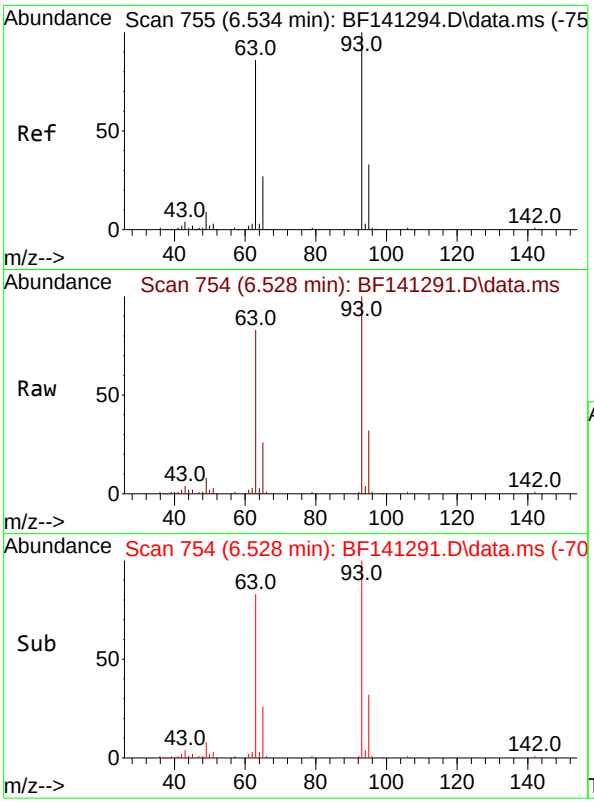




#10
Phenol
Concen: 5.558 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 94 Resp: 65035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.6 | 10.8 | 50.8 |
| 66 | 37.4 | 23.3 | 63.3 |



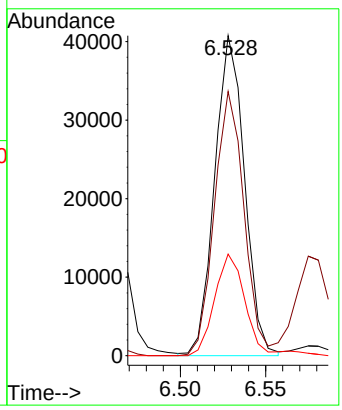


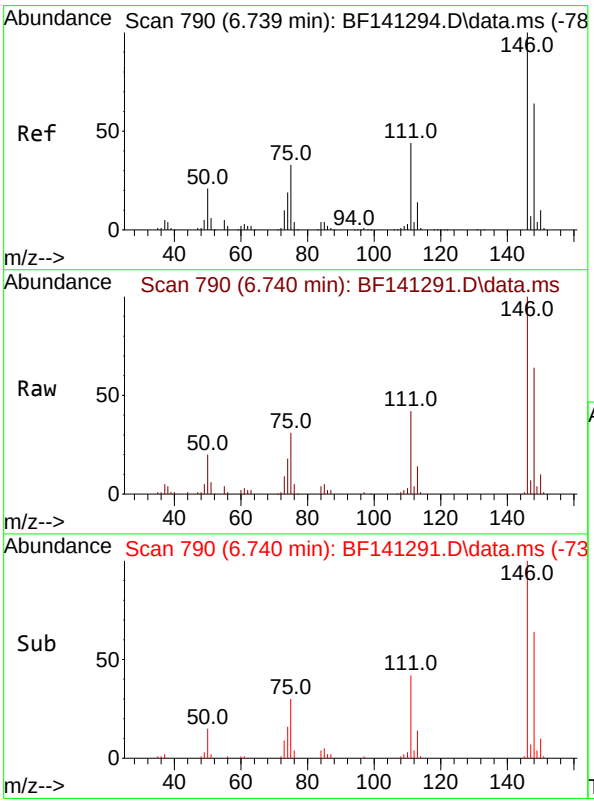

#11
bis(2-Chloroethyl)ether
Concen: 5.510 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion: 93 Resp: 49579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 82.6 | 65.0 | 105.0 |
| 95 | 31.7 | 12.4 | 52.4 |

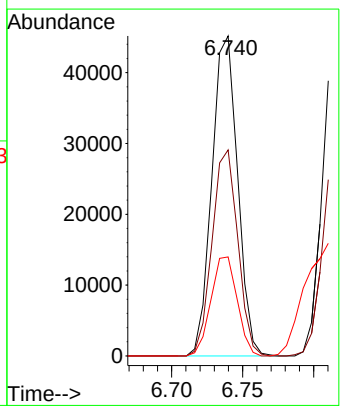


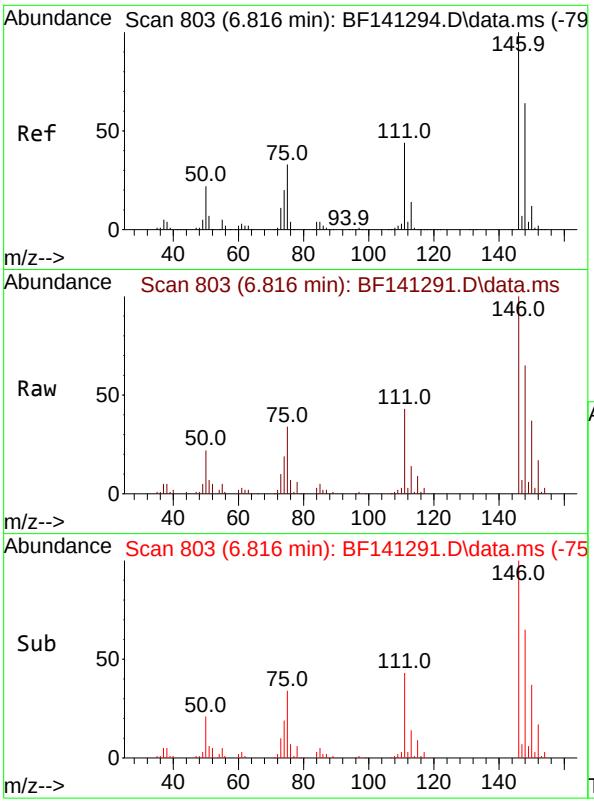




#12
1,3-Dichlorobenzene
Concen: 5.539 ng
RT: 6.740 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:146 Resp: 56929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.2 | 76.8 |
| 75 | 30.9 | 26.2 | 39.4 |



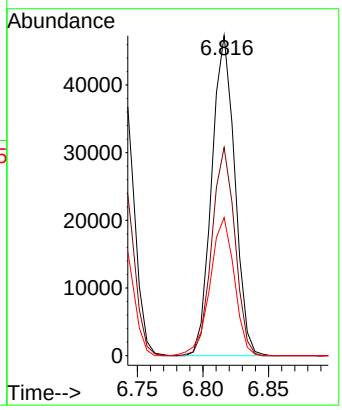


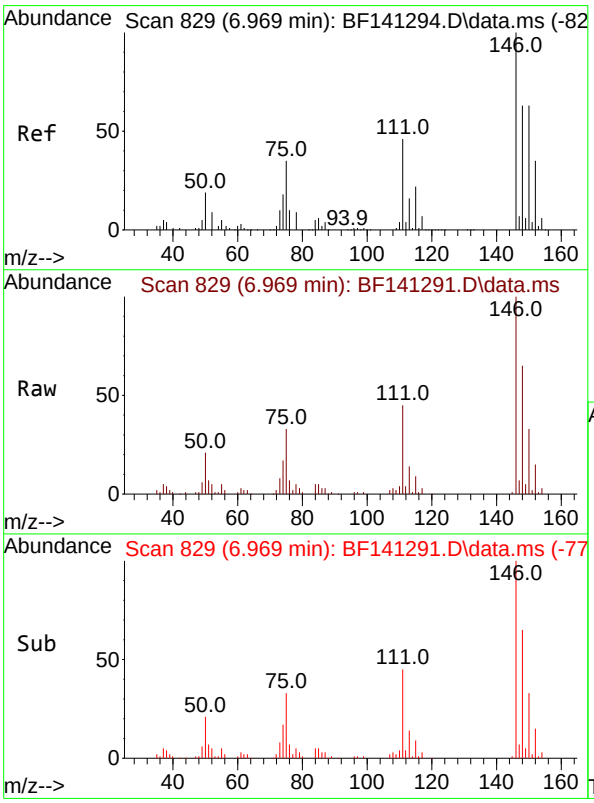

#13
1,4-Dichlorobenzene
Concen: 5.573 ng
RT: 6.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:146 Resp: 57684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.0 | 51.2 | 76.8 |
| 111 | 43.2 | 35.0 | 52.4 |

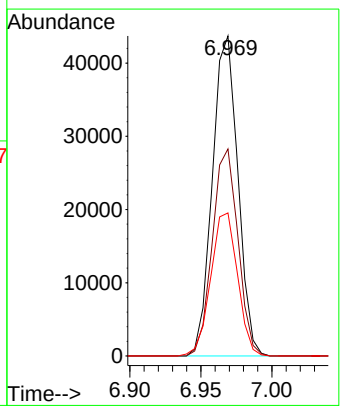


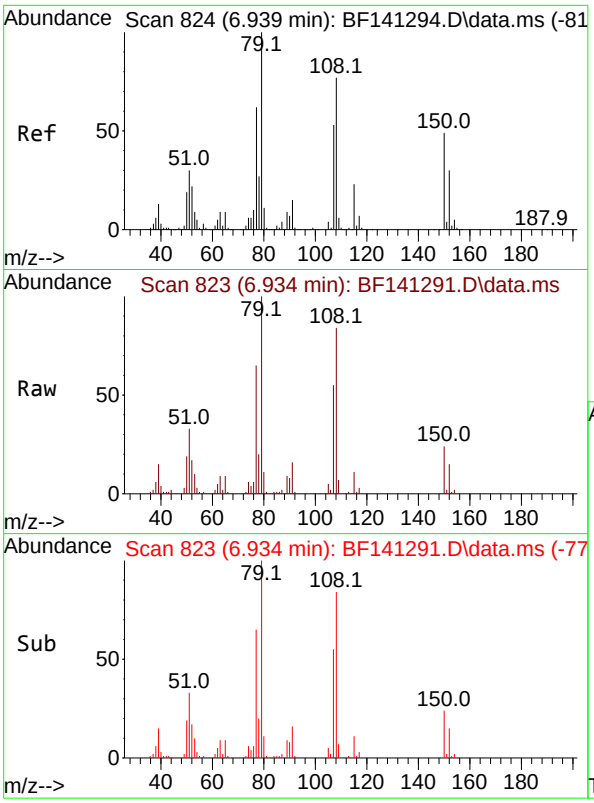




#14
1,2-Dichlorobenzene
Concen: 5.650 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:146 Resp: 54653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 50.5 | 75.7 |
| 111 | 44.7 | 36.6 | 55.0 |



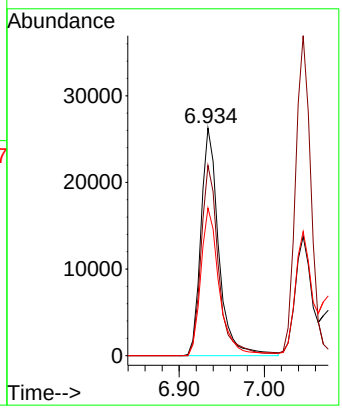


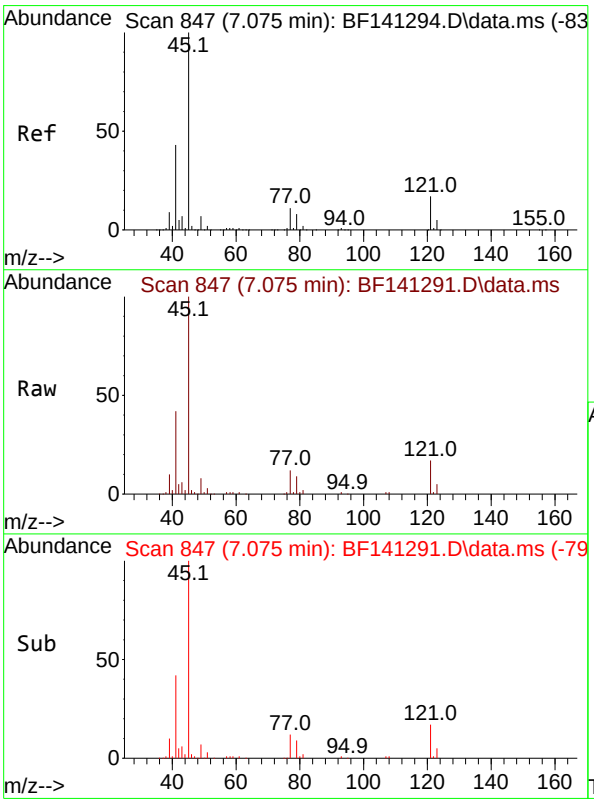

#15
Benzyl Alcohol
Concen: 5.053 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion: 79 Resp: 38176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 83.6 | 61.4 | 92.0 |
| 77 | 64.8 | 49.9 | 74.9 |

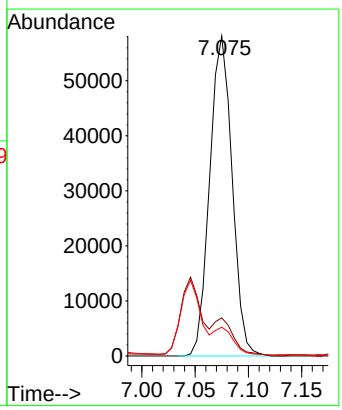


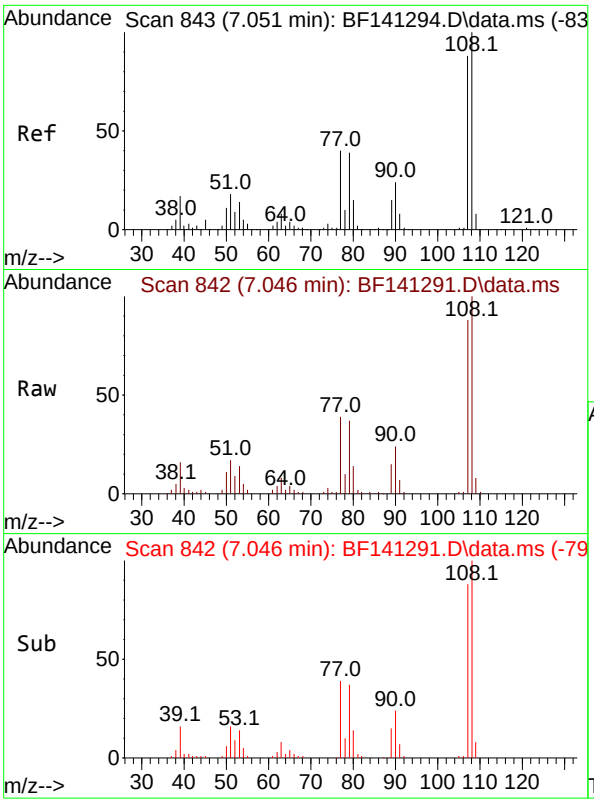




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.436 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 45 Resp: 84988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 11.9 | 0.0 | 31.8 |
| 79 | 9.0 | 0.0 | 29.1 |



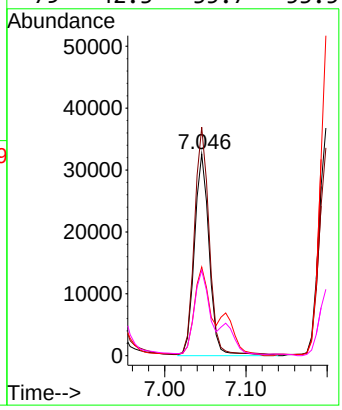


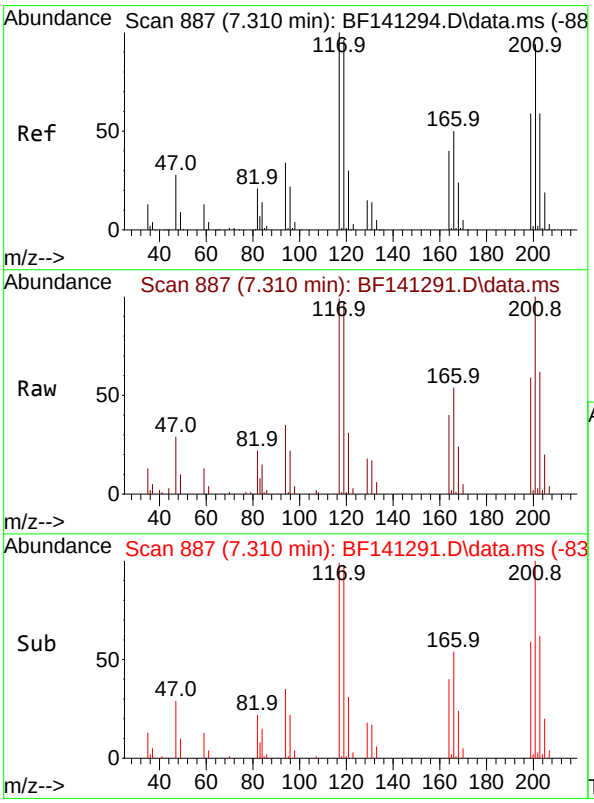

#17
2-Methylphenol
Concen: 5.500 ng
RT: 7.046 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:107 Resp: 41498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.4 | 90.8 | 136.2 |
| 77 | 44.0 | 36.2 | 54.4 |
| 79 | 42.3 | 35.7 | 53.5 |

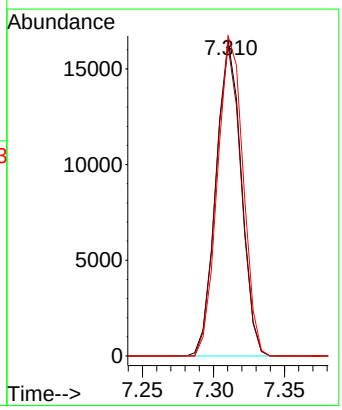


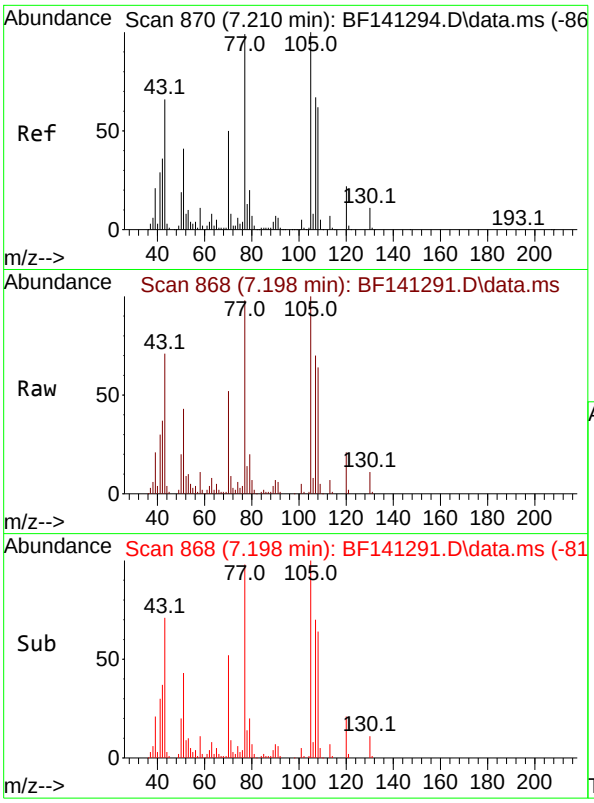




#18
Hexachloroethane
Concen: 5.332 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:117 Resp: 20418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 98.1 | 76.6 | 114.8 |
| 201 | 101.4 | 74.8 | 112.2 |



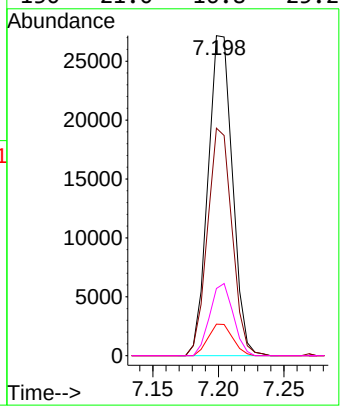


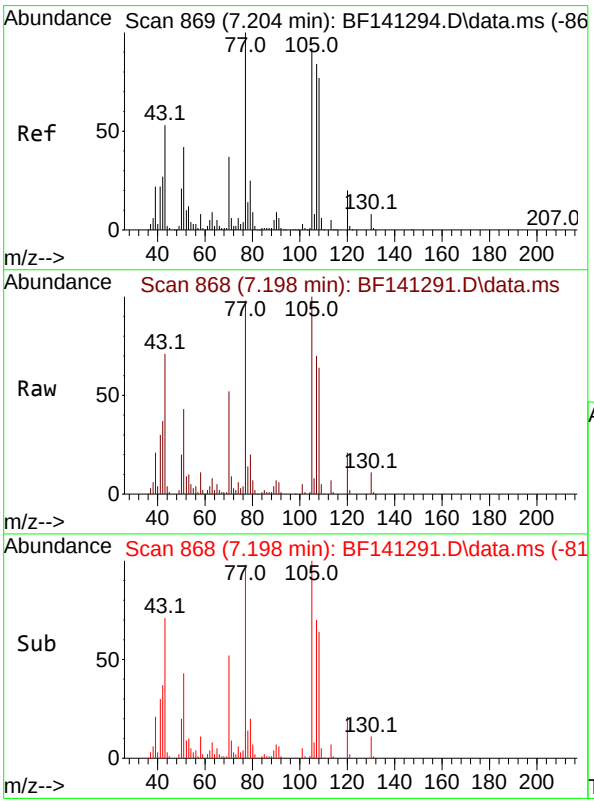

#19
n-Nitroso-di-n-propylamine
Concen: 5.363 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion: 70 Resp: 35278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 71.1 | 56.8 | 85.2 |
| 101 | 9.9 | 7.7 | 11.5 |
| 130 | 21.0 | 16.8 | 25.2 |

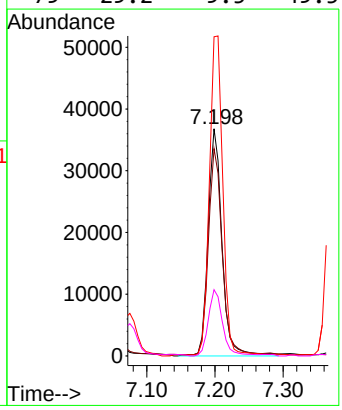


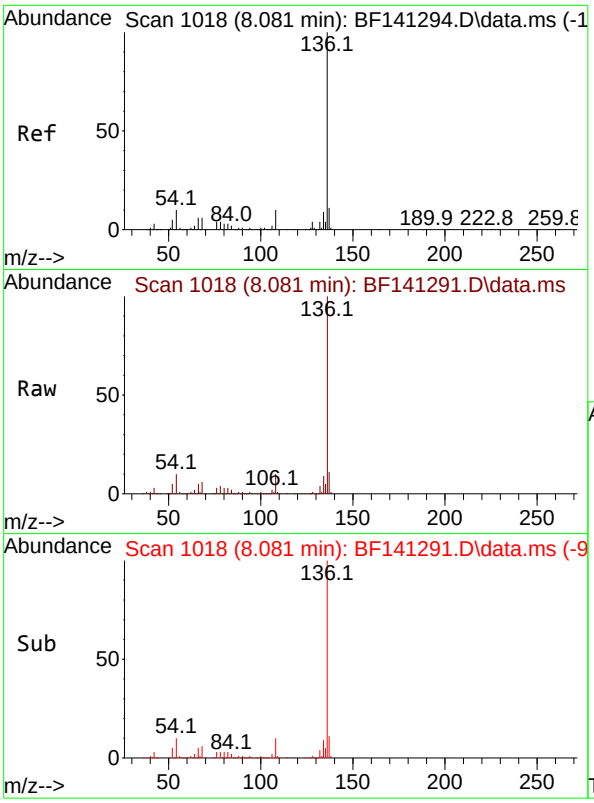




#20
3+4-Methylphenols
Concen: 5.645 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:107 Resp: 52364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.3 | 70.9 | 110.9 |
| 77 | 140.5 | 98.5 | 138.5# |
| 79 | 29.2 | 9.5 | 49.5 |



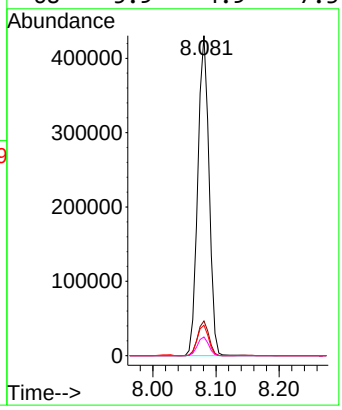


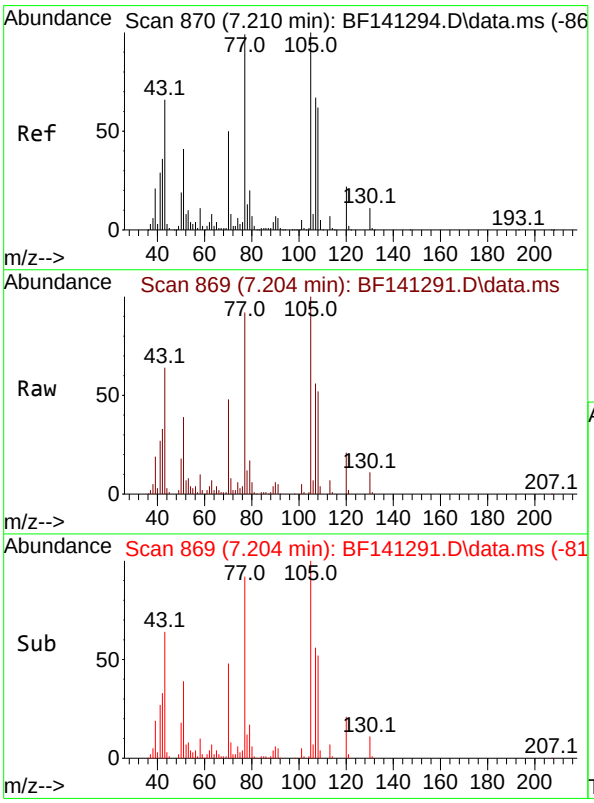

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:136 Resp: 531551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.6 | 13.0 |
| 54 | 9.5 | 7.8 | 11.8 |
| 68 | 5.9 | 4.9 | 7.3 |

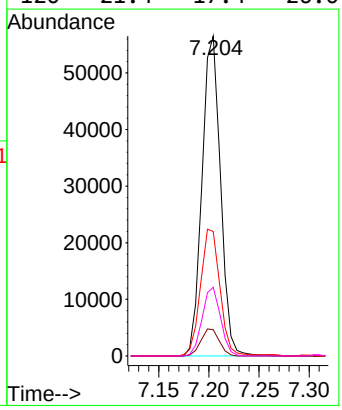


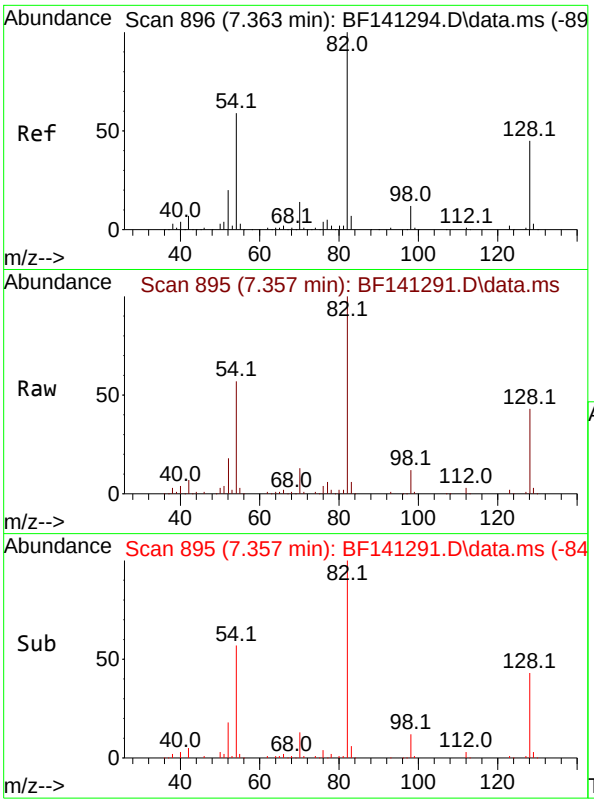




#22
Acetophenone
Concen: 5.774 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:105 Resp: 72756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.2 | 6.8 | 10.2 |
| 51 | 38.9 | 32.6 | 49.0 |
| 120 | 21.4 | 17.4 | 26.0 |



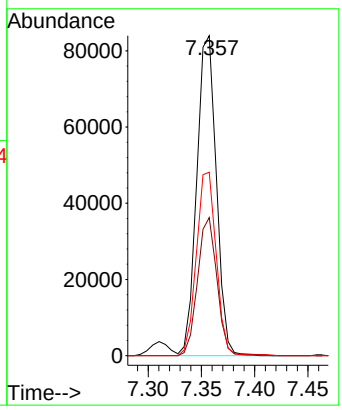


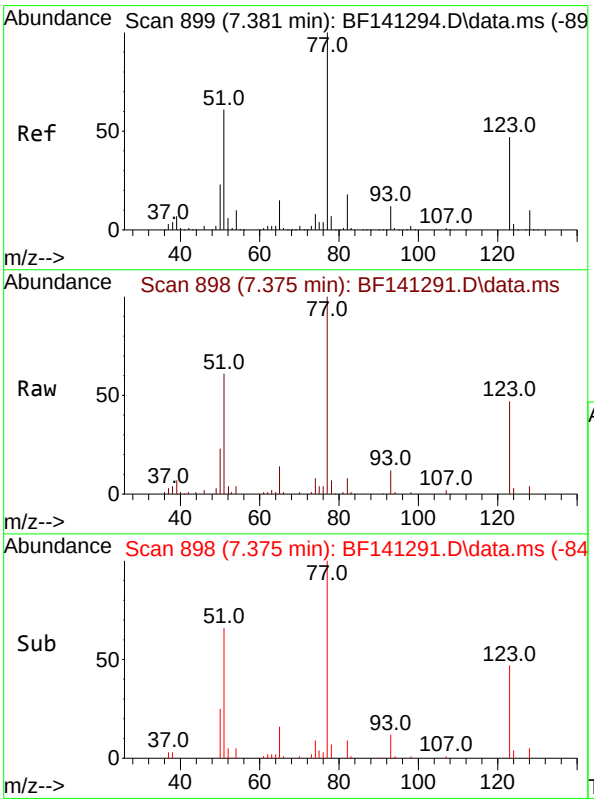

#23
Nitrobenzene-d5
Concen: 10.719 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion: 82 Resp: 107680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.2 | 35.7 | 53.5 |
| 54 | 57.4 | 47.1 | 70.7 |

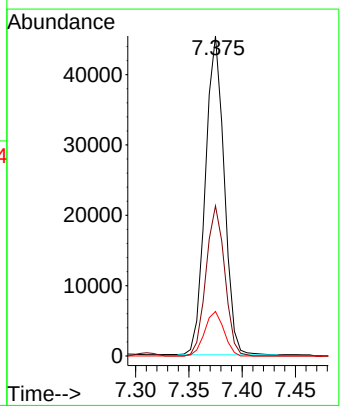


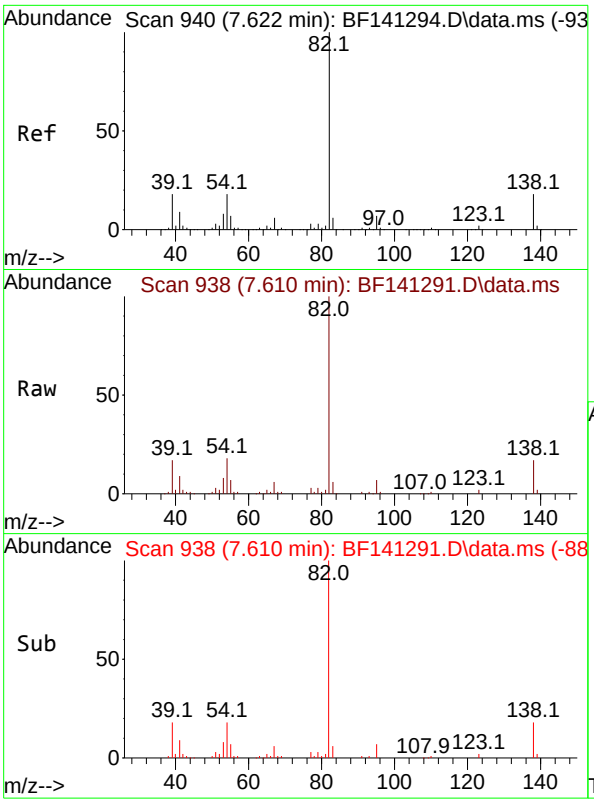




#24
Nitrobenzene
Concen: 5.337 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 77 Resp: 55610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.9 | 37.3 | 55.9 |
| 65 | 13.9 | 11.8 | 17.6 |



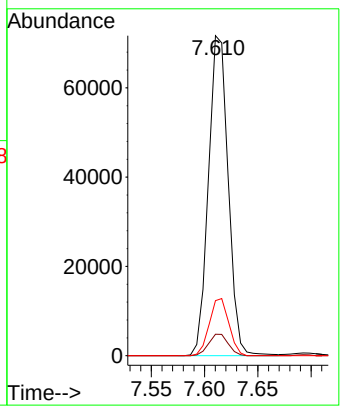


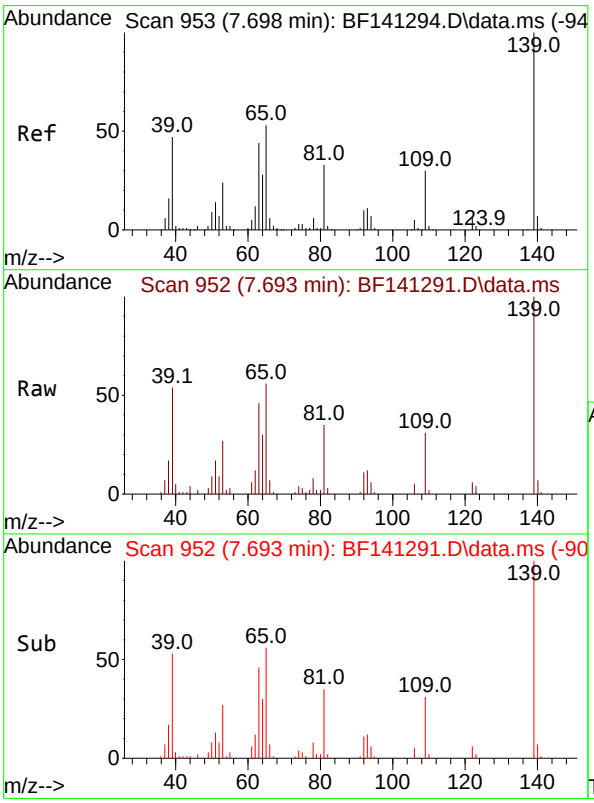

#25
Isophorone
Concen: 5.346 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion: 82 Resp: 92818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.7 | 5.8 | 8.6 |
| 138 | 17.2 | 14.7 | 22.1 |

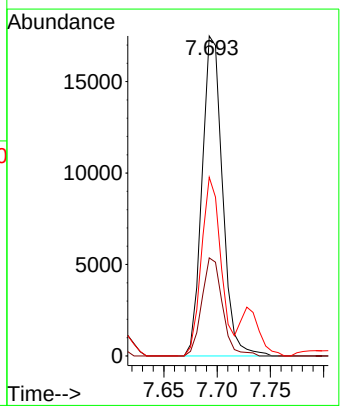


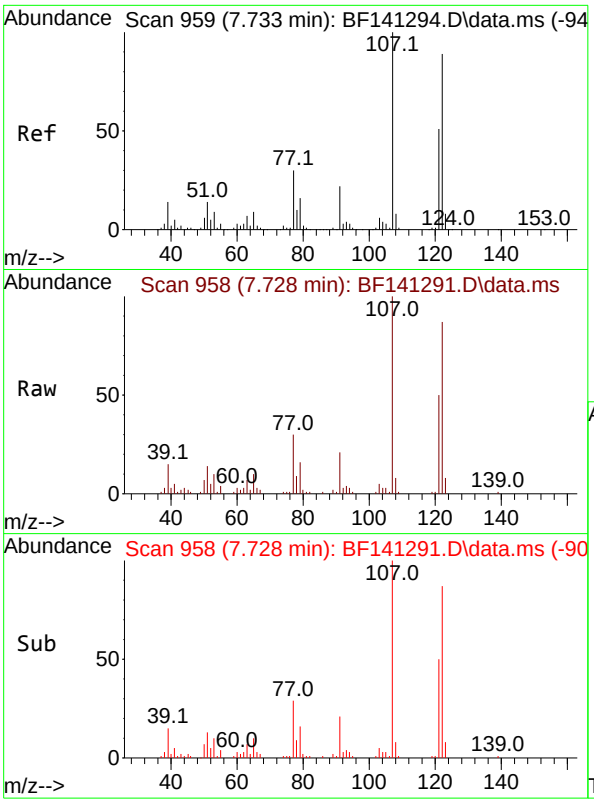




#26
2-Nitrophenol
Concen: 4.789 ng
RT: 7.693 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:139 Resp: 23372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.7 | 23.8 | 35.6 |
| 65 | 55.8 | 42.2 | 63.4 |



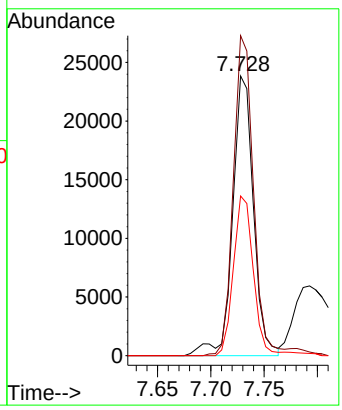


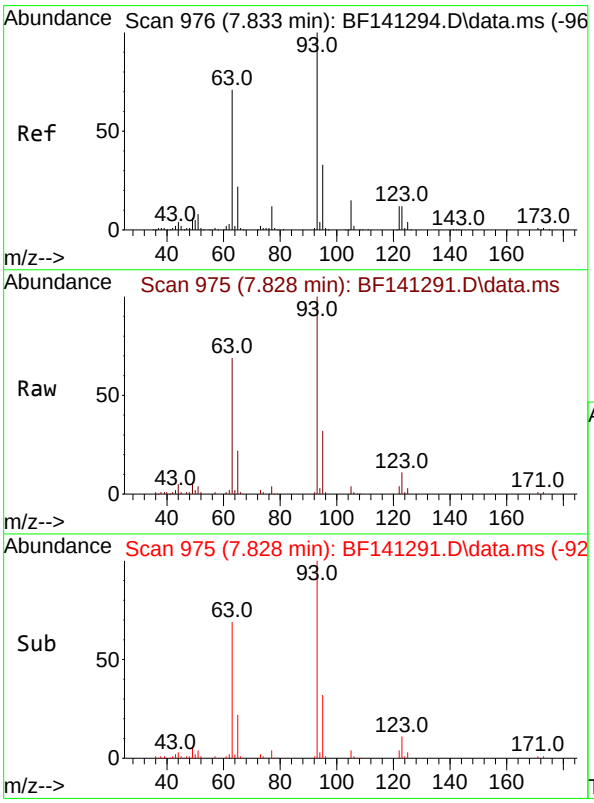

#27
2,4-Dimethylphenol
Concen: 5.205 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:122 Resp: 32462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.4 | 89.9 | 134.9 |
| 121 | 57.1 | 46.1 | 69.1 |

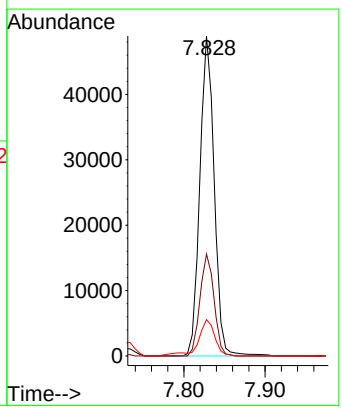


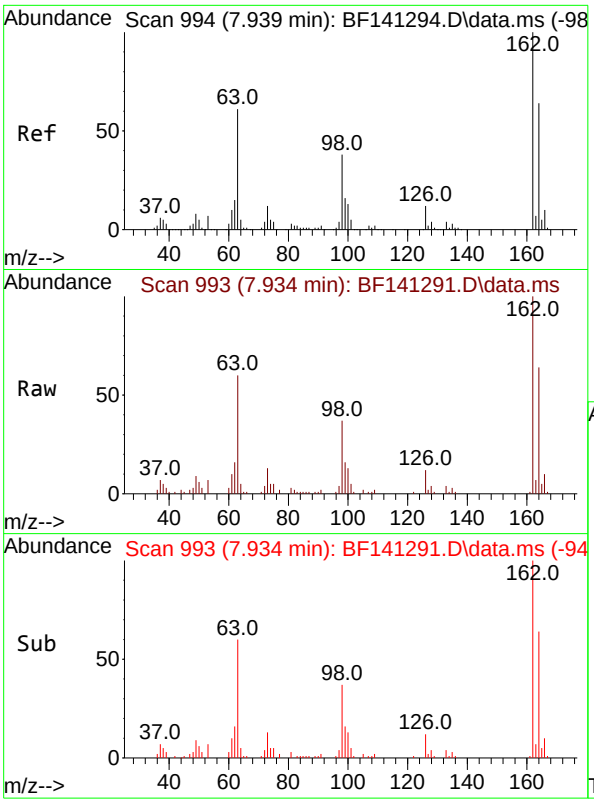




#28
bis(2-Chloroethoxy)methane
Concen: 5.449 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 93 Resp: 60286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 31.9 | 26.2 | 39.2 |
| 123 | 11.3 | 10.2 | 15.4 |



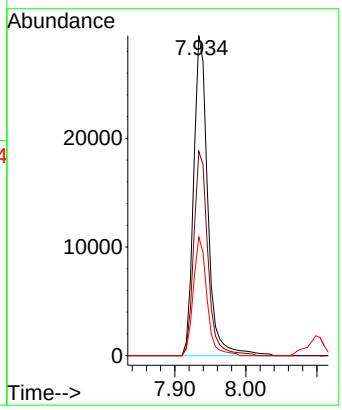


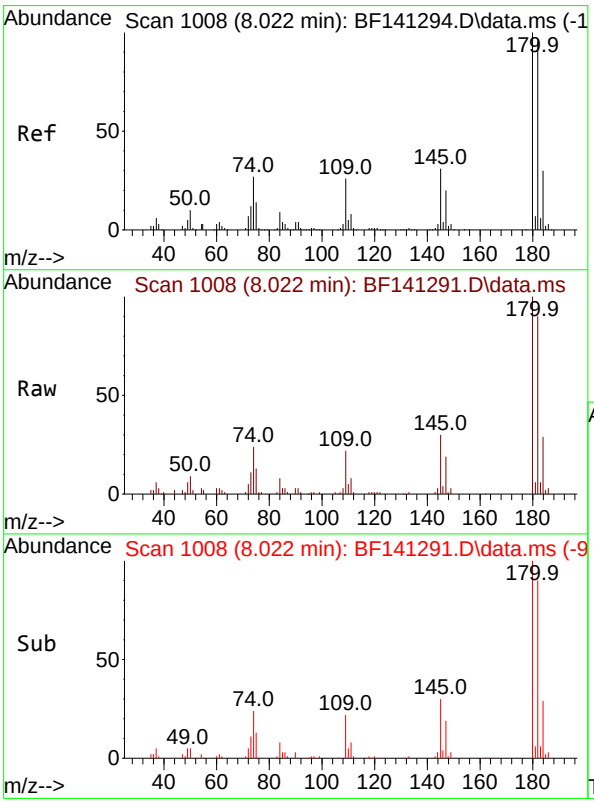

#29
2,4-Dichlorophenol
Concen: 5.360 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:162 Resp: 40847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.9 | 44.2 | 84.2 |
| 98 | 37.0 | 18.2 | 58.2 |

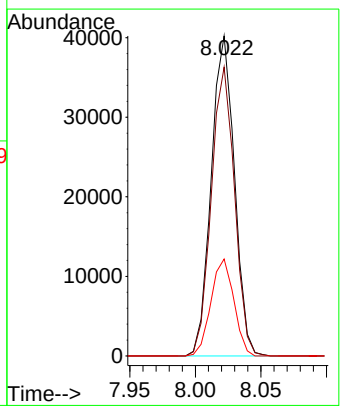


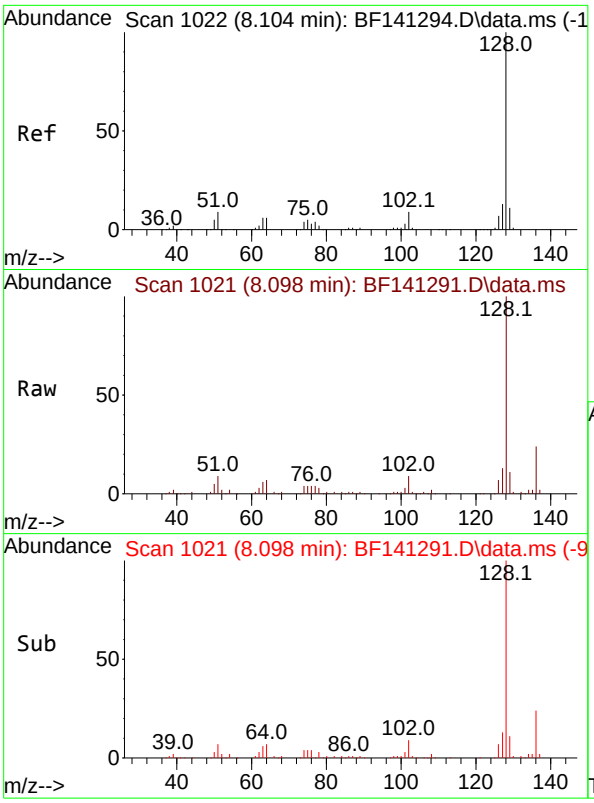




#30
1,2,4-Trichlorobenzene
Concen: 5.661 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:180 Resp: 49479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 90.2 | 76.4 | 114.6 |
| 145 | 30.3 | 24.9 | 37.3 |



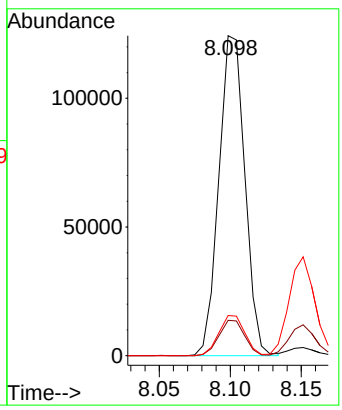


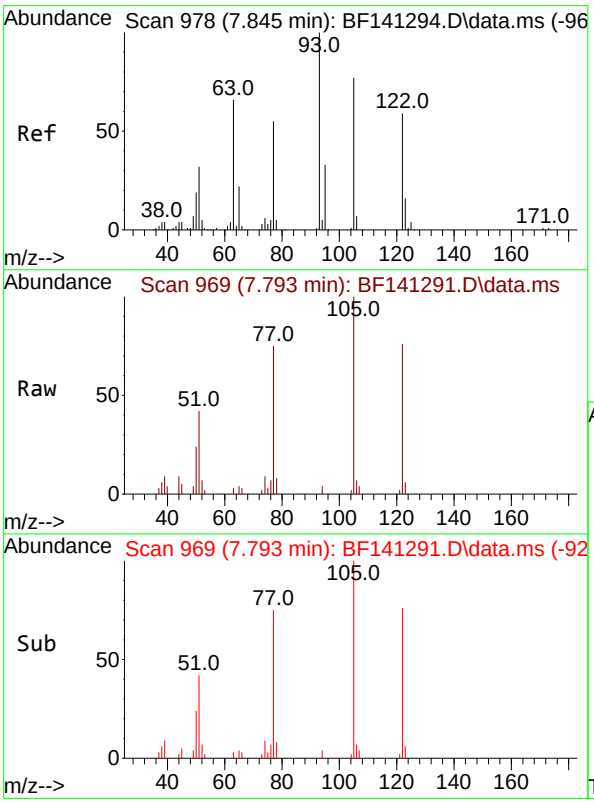

#31
Naphthalene
Concen: 5.672 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:128 Resp: 158560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.9 | 13.3 |
| 127 | 12.6 | 10.6 | 15.8 |

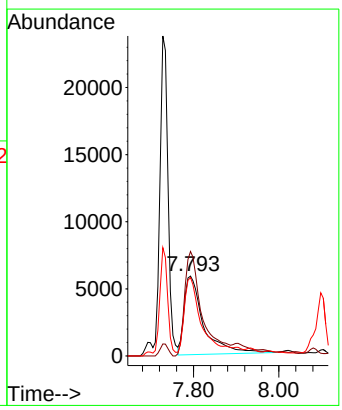


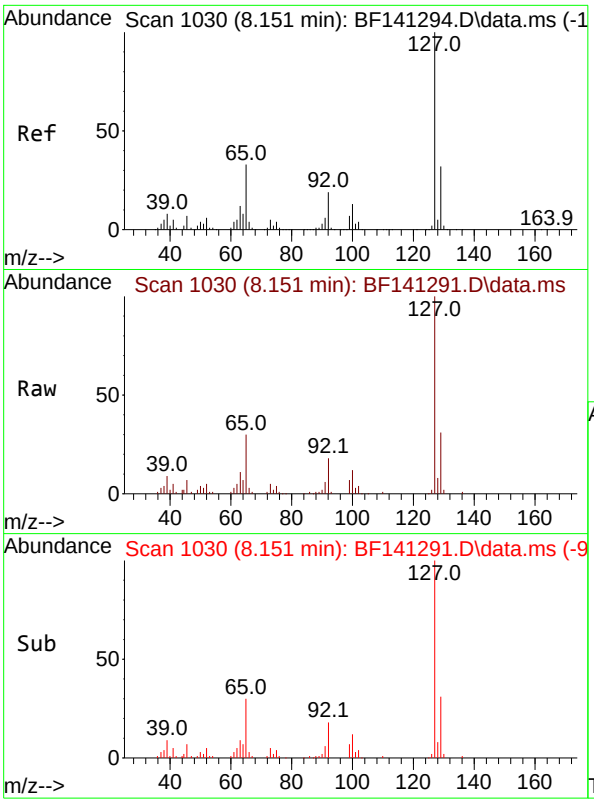




#32
Benzoic acid
Concen: 3.281 ng
RT: 7.793 min Scan# 969
Delta R.T. -0.053 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:122 Resp: 18585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 130.7 | 103.4 | 143.4 |
| 77 | 98.2 | 70.9 | 110.9 |



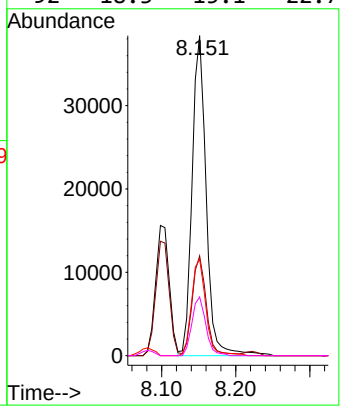


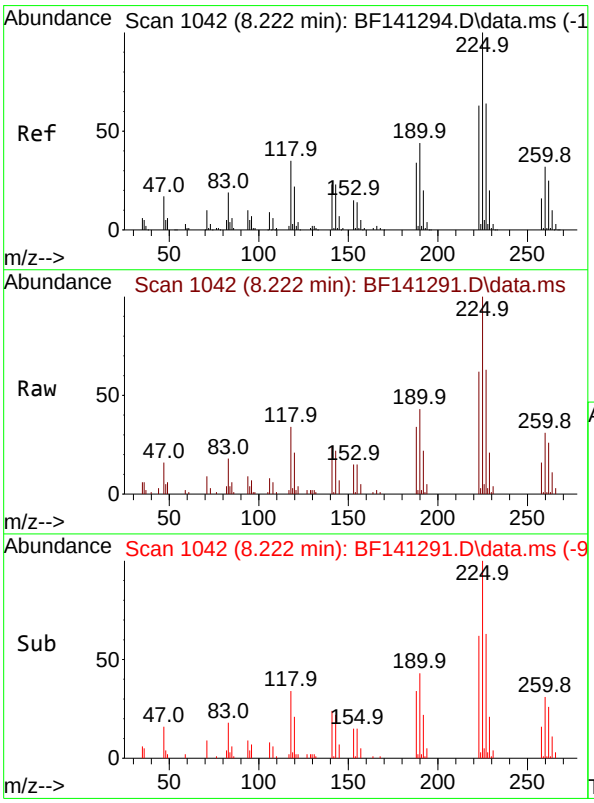

#33
4-Chloroaniline
Concen: 5.405 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:127 Resp: 50760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.2 | 25.7 | 38.5 |
| 65 | 30.1 | 26.4 | 39.6 |
| 92 | 18.3 | 15.1 | 22.7 |

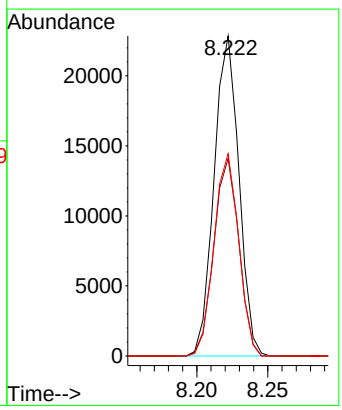


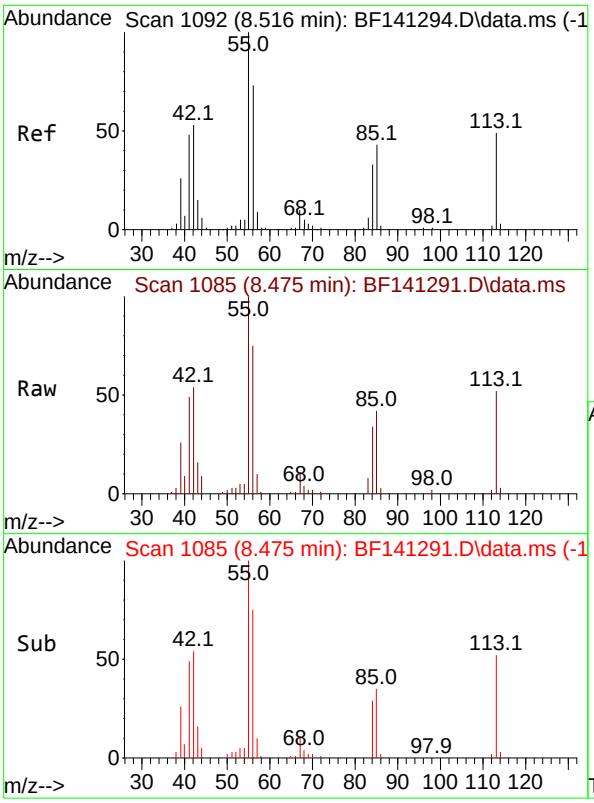




#34
Hexachlorobutadiene
Concen: 5.419 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:225 Resp: 27720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.7 | 50.4 | 75.6 |
| 227 | 63.2 | 51.3 | 76.9 |



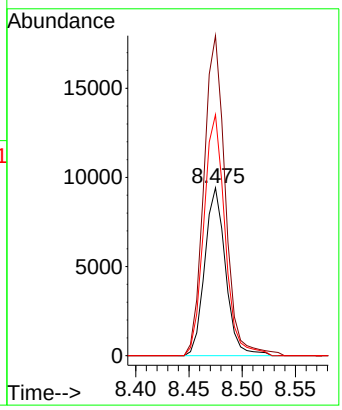


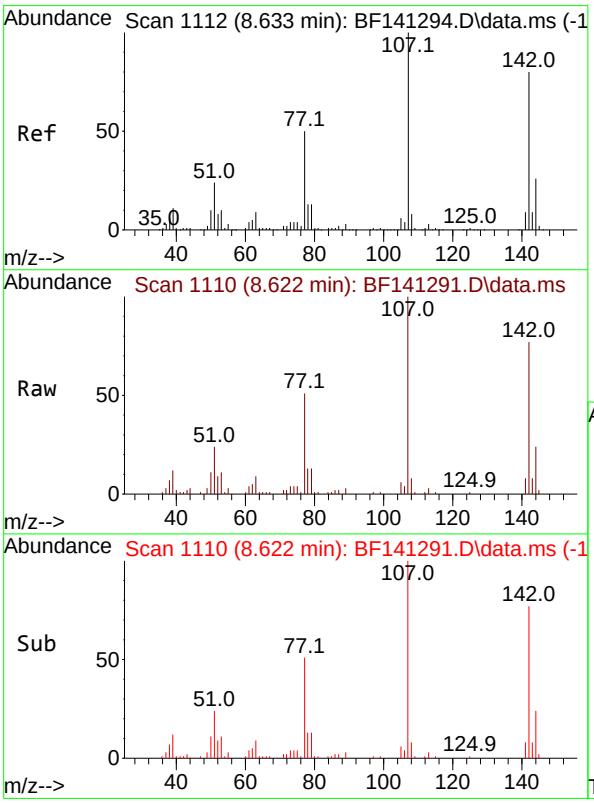

#35
Caprolactam
Concen: 5.204 ng
RT: 8.475 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:113 Resp: 12827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 190.7 | 182.9 | 222.9 |
| 56 | 143.6 | 127.9 | 167.9 |

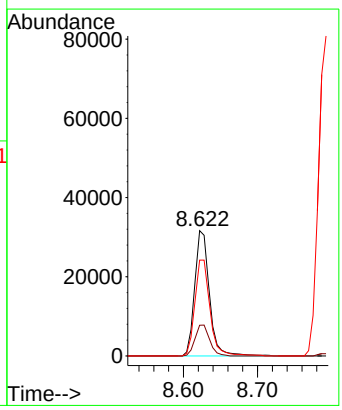


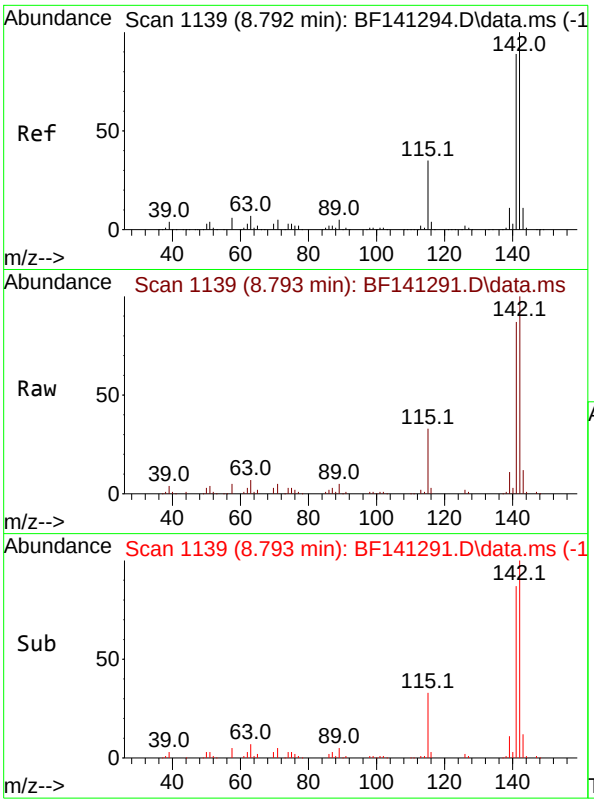




#36
4-Chloro-3-methylphenol
Concen: 5.334 ng
RT: 8.622 min Scan# 1110
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:107 Resp: 43627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.5 | 20.7 | 31.1 |
| 142 | 76.6 | 63.8 | 95.8 |



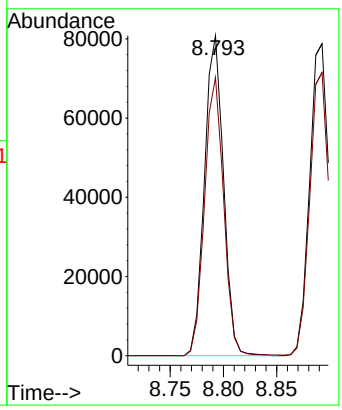


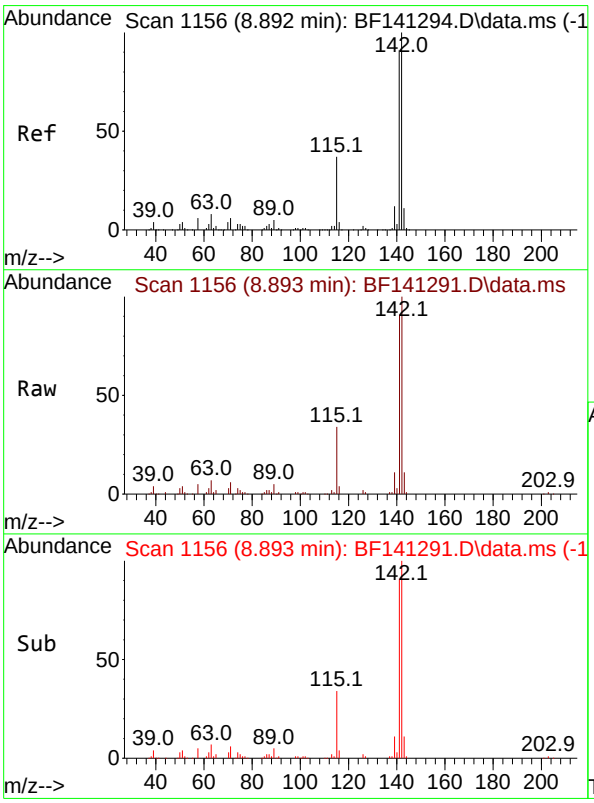

#37
2-Methylnaphthalene
Concen: 5.634 ng
RT: 8.793 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:142 Resp: 100305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.9 | 71.3 | 106.9 |

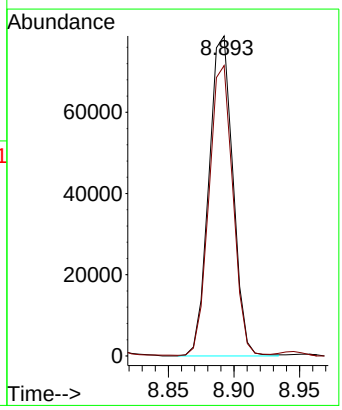


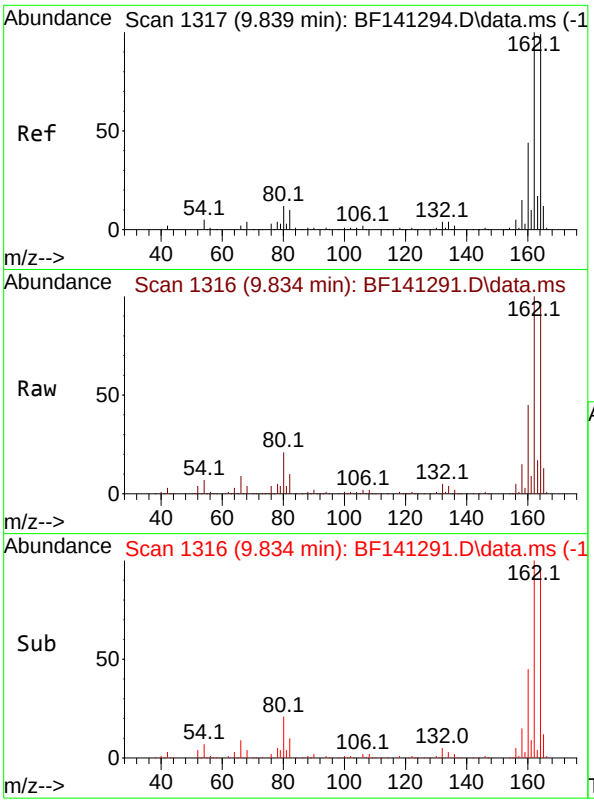




#38
1-Methylnaphthalene
Concen: 5.767 ng
RT: 8.893 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:142 Resp: 100569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.8 | 73.2 | 109.8 |



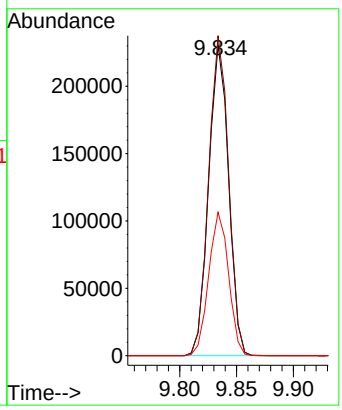


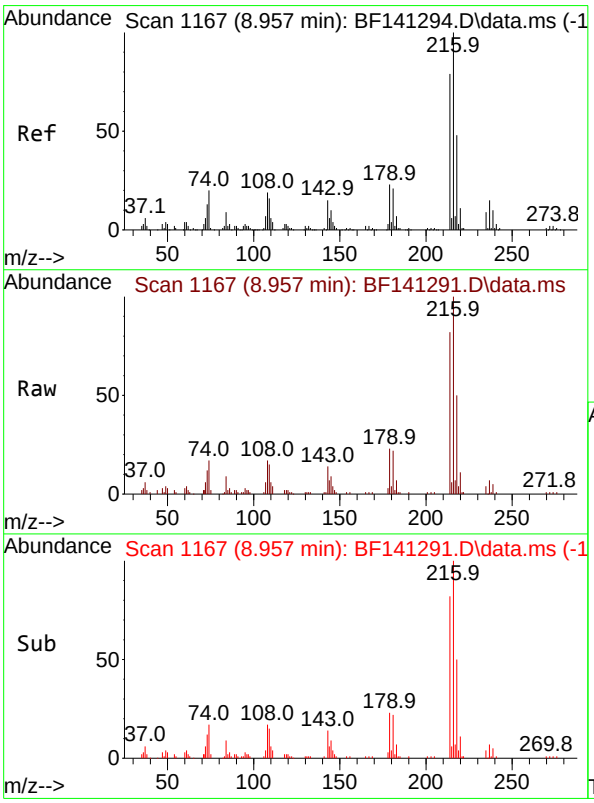

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:164 Resp: 281034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.1 | 80.6 | 121.0 |
| 160 | 46.2 | 35.8 | 53.6 |

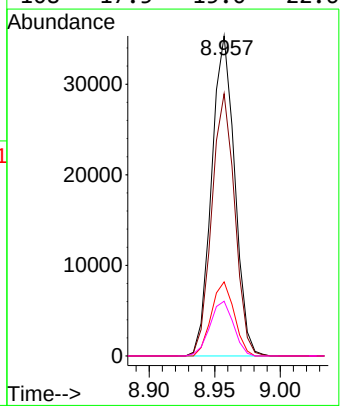


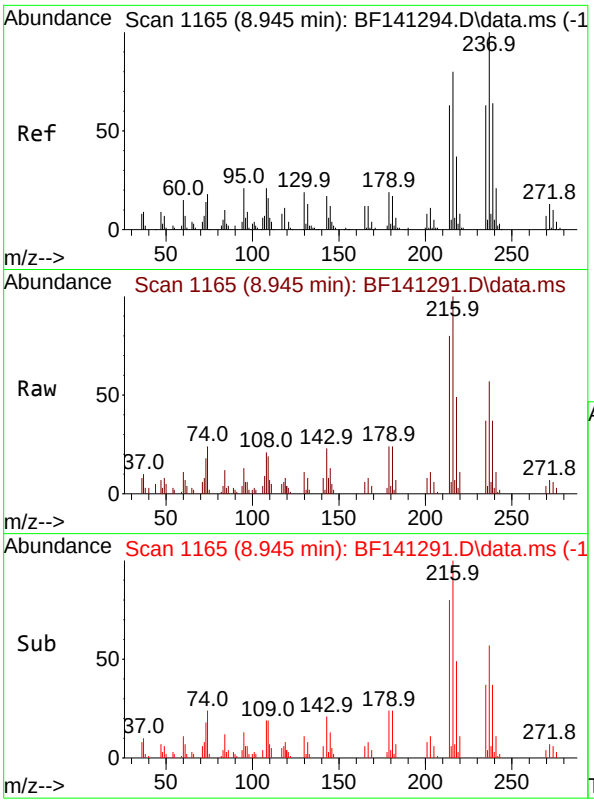




#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.410 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:216 Resp: 43228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 81.4 | 63.2 | 94.8 |
| 179 | 22.9 | 17.8 | 26.8 |
| 108 | 17.5 | 15.0 | 22.6 |



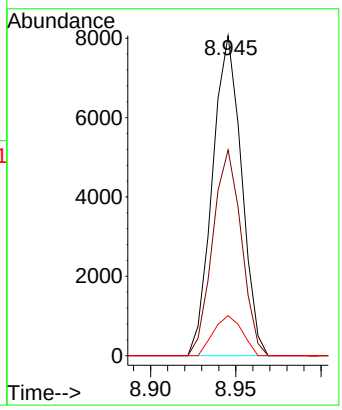


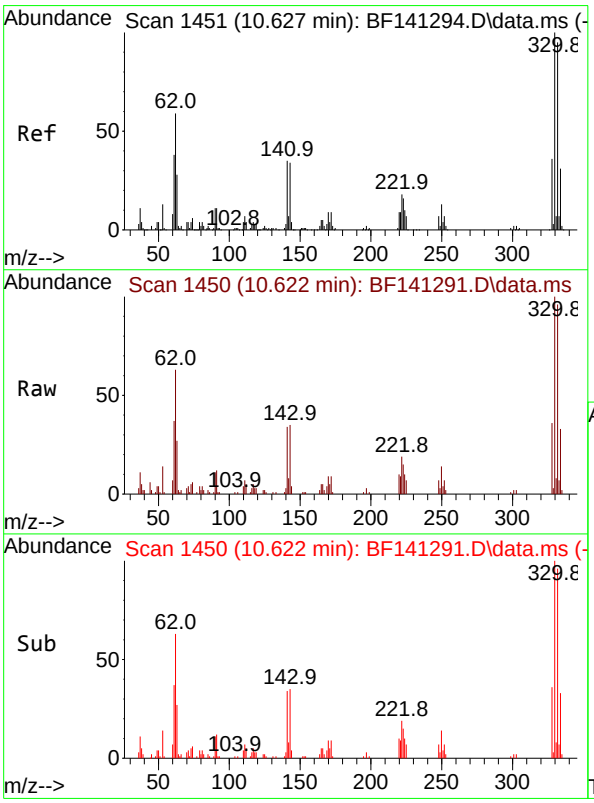

#41
Hexachlorocyclopentadiene
Concen: 3.985 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:237 Resp: 9555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 64.3 | 42.9 | 82.9 |
| 272 | 12.5 | 0.0 | 32.8 |

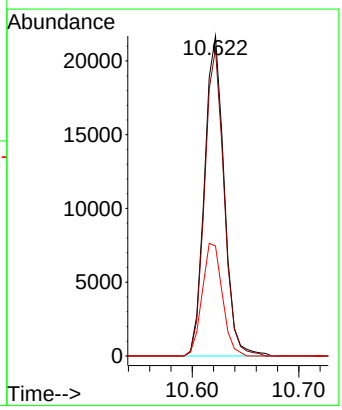


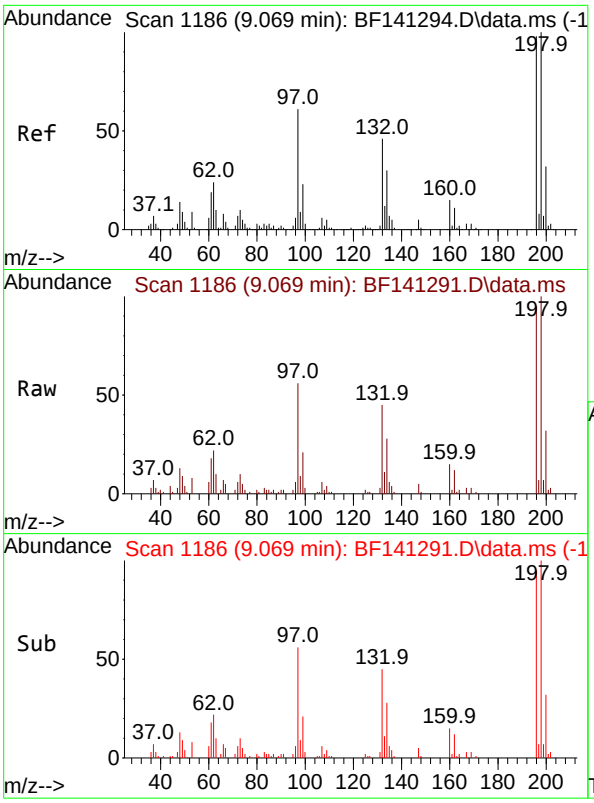




#42
2,4,6-Tribromophenol
Concen: 10.855 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:330 Resp: 27799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.8 | 76.1 | 114.1 |
| 141 | 36.2 | 28.8 | 43.2 |



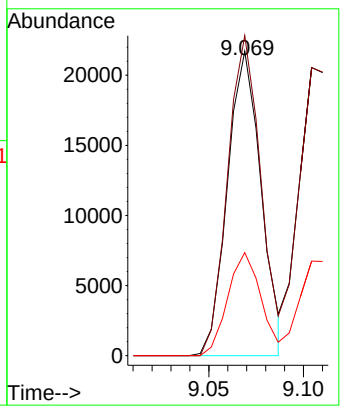


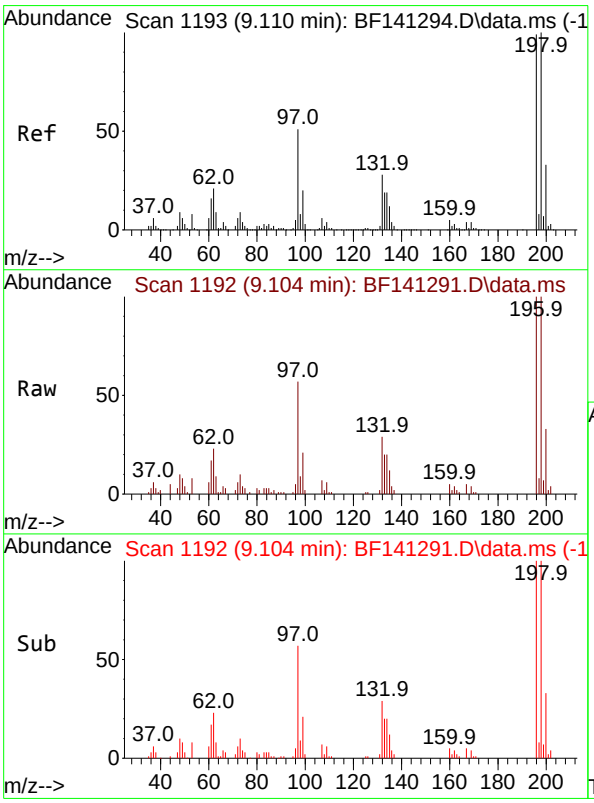

#43
2,4,6-Trichlorophenol
Concen: 5.136 ng
RT: 9.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:196 Resp: 26790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 105.1 | 81.8 | 122.6 |
| 200 | 33.8 | 26.3 | 39.5 |

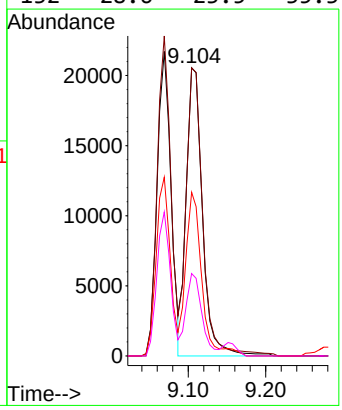


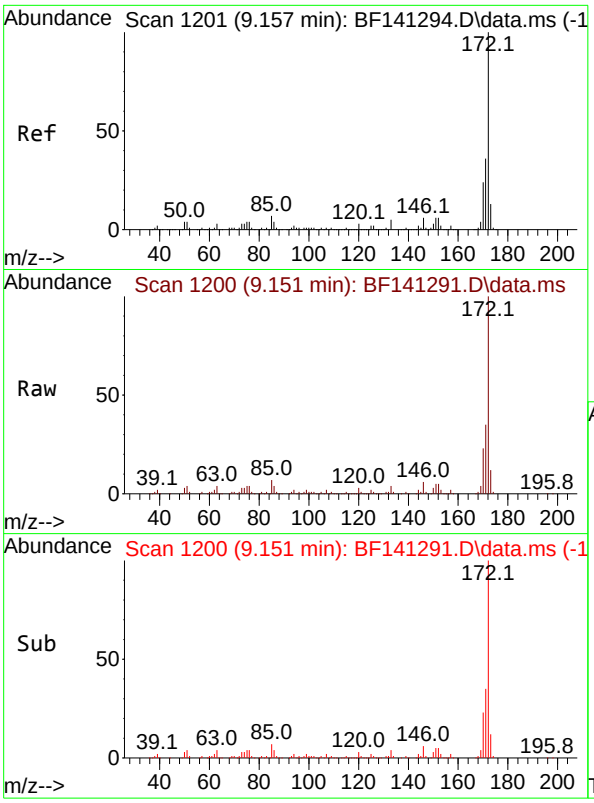




#44
2,4,5-Trichlorophenol
Concen: 5.309 ng
RT: 9.104 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:196 Resp: 30127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.0 | 80.5 | 120.7 |
| 97 | 56.8 | 42.8 | 64.2 |
| 132 | 28.6 | 23.5 | 35.3 |



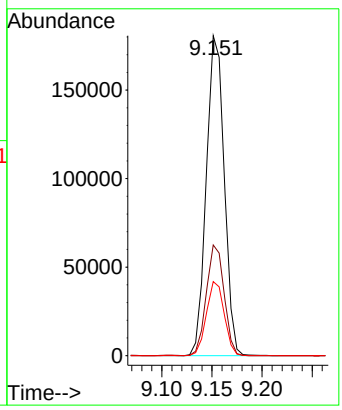


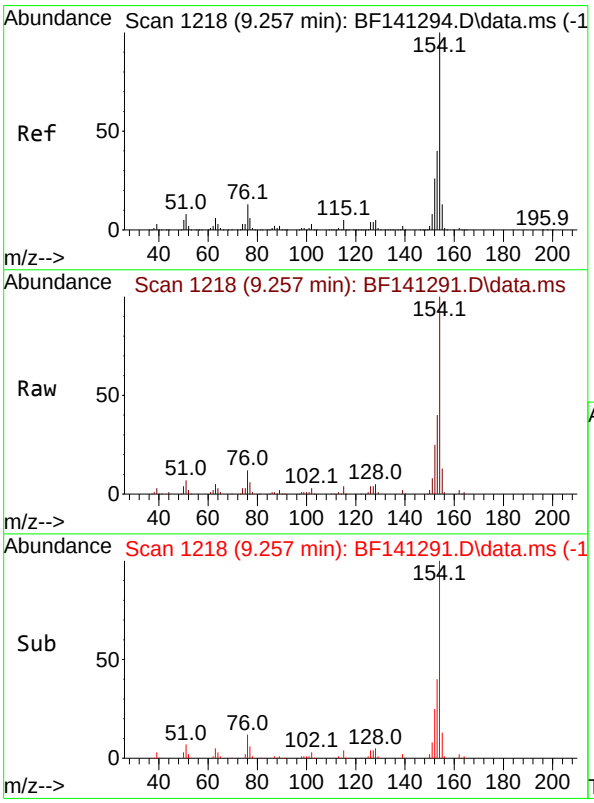

#45
2-Fluorobiphenyl
Concen: 12.320 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:172 Resp: 224446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.6 | 28.8 | 43.2 |
| 170 | 23.1 | 19.0 | 28.6 |

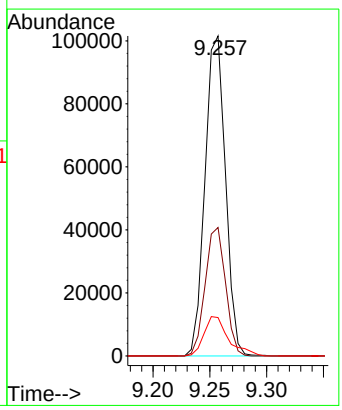


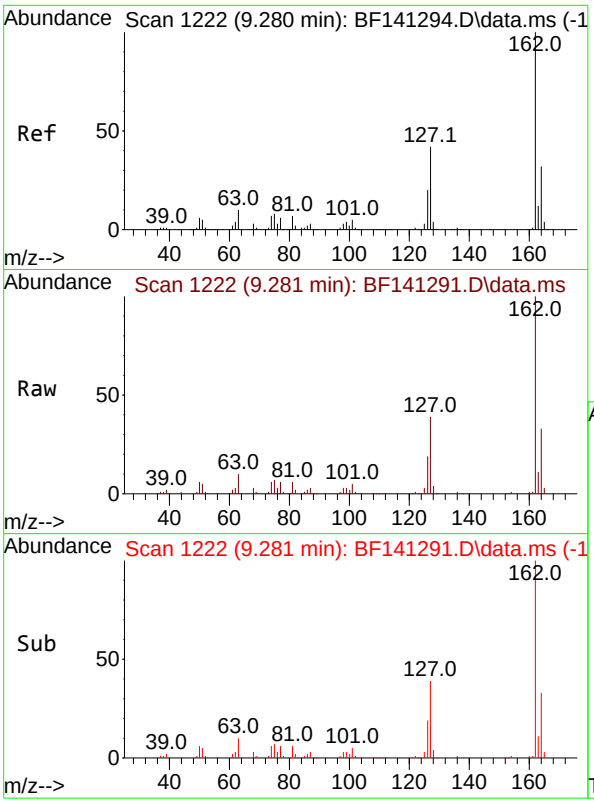




#46
1,1'-Biphenyl
Concen: 5.801 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:154 Resp: 127187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.1 | 20.0 | 60.0 |
| 76 | 12.0 | 0.0 | 32.8 |



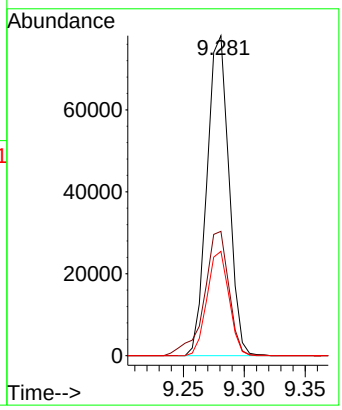


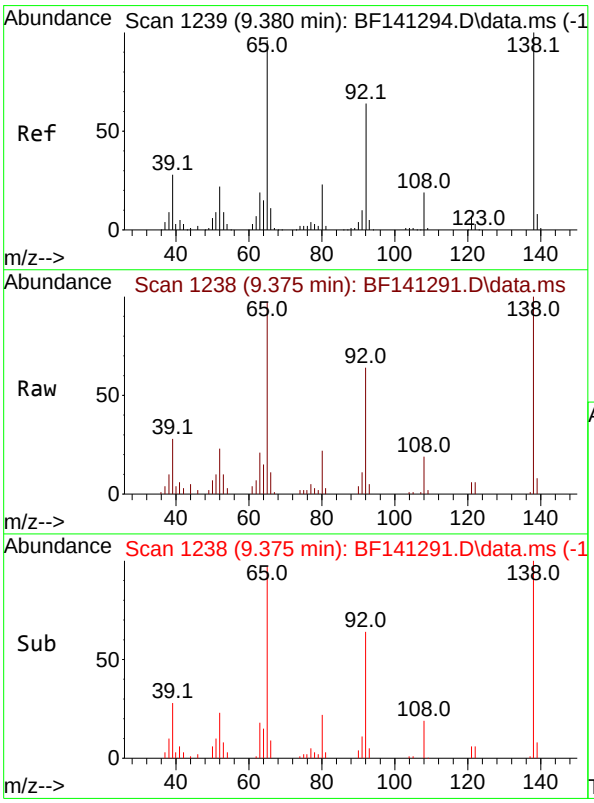

#47
2-Chloronaphthalene
Concen: 5.760 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:162 Resp: 98081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 38.8 | 33.7 | 50.5 |
| 164 | 32.6 | 25.9 | 38.9 |

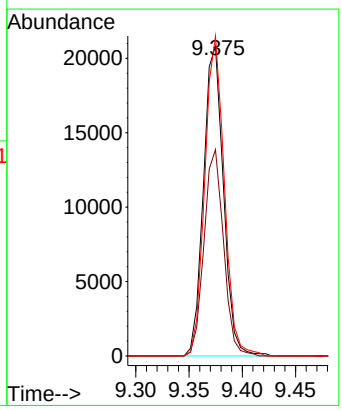


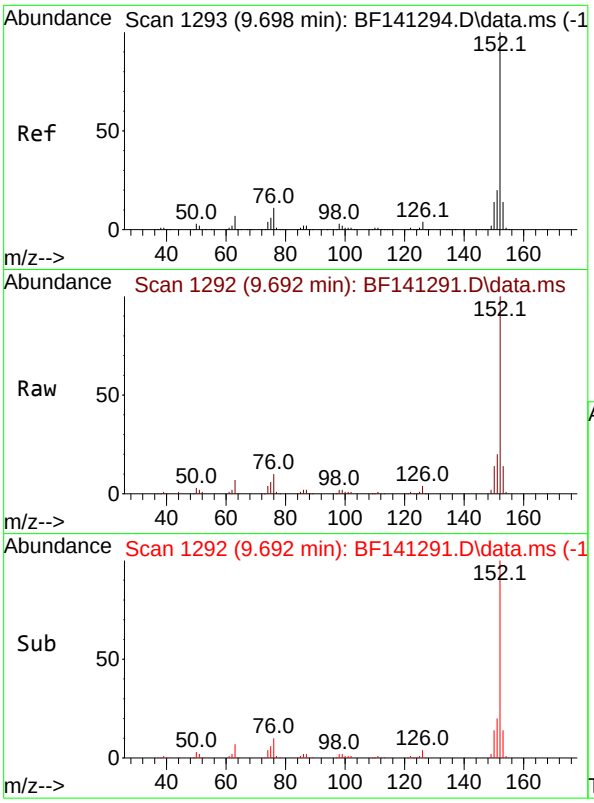




#48
2-Nitroaniline
Concen: 5.056 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 65 Resp: 27154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 66.6 | 53.3 | 79.9 |
| 138 | 103.3 | 83.6 | 125.4 |



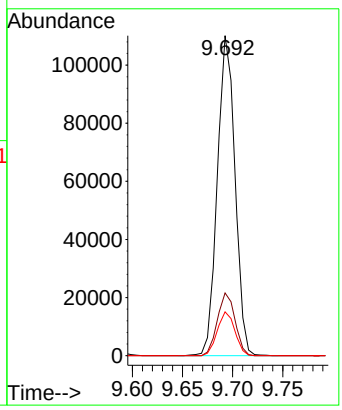


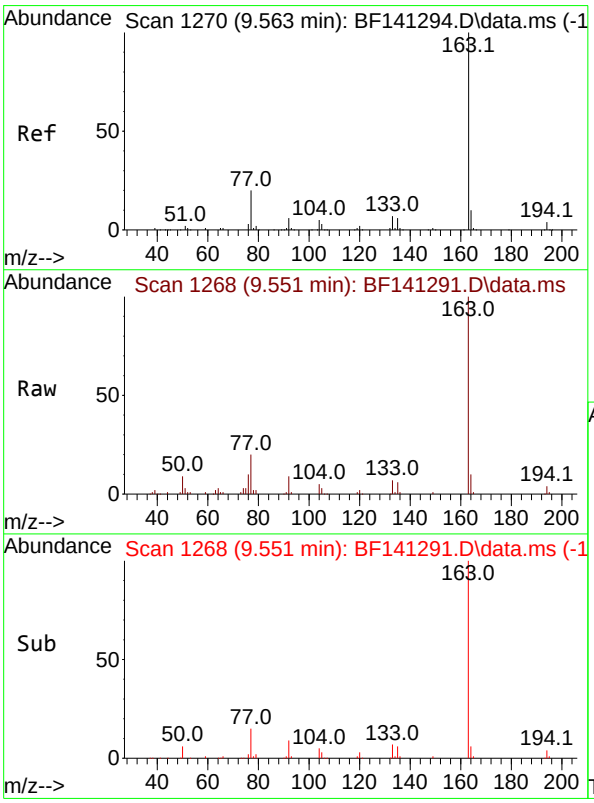

#49
Acenaphthylene
Concen: 5.643 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:152 Resp: 134958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.6 | 16.2 | 24.2 |
| 153 | 13.7 | 11.0 | 16.6 |

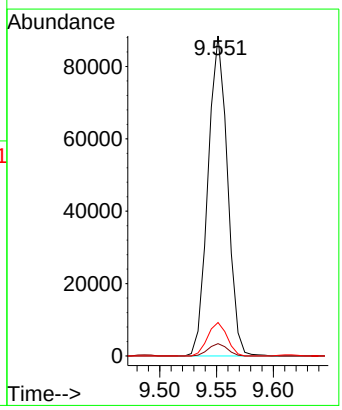


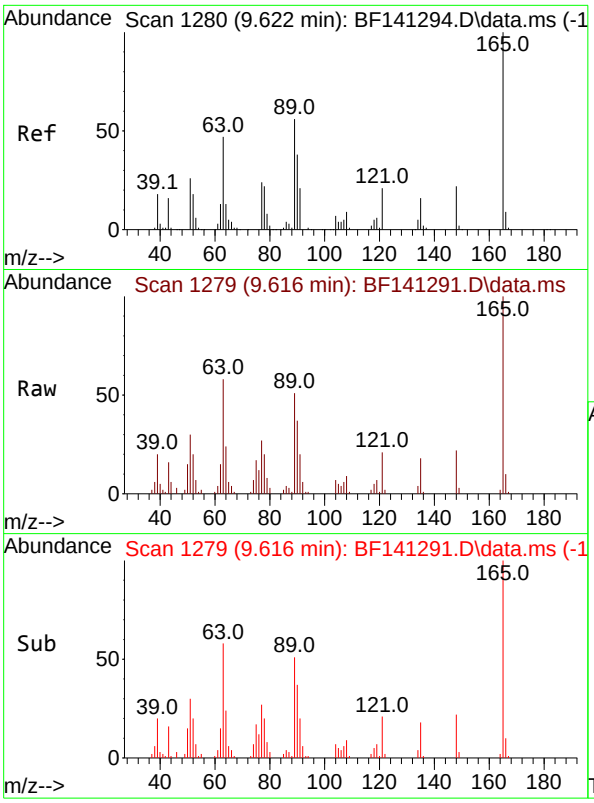




#50
Dimethylphthalate
Concen: 5.584 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:163 Resp: 105240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.0 | 4.6 |
| 164 | 10.5 | 8.0 | 12.0 |



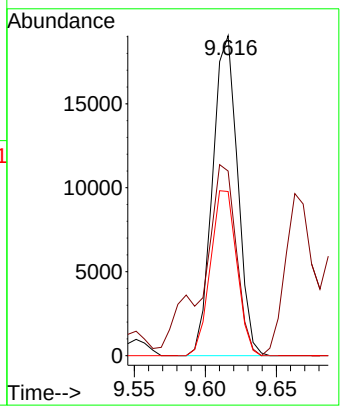


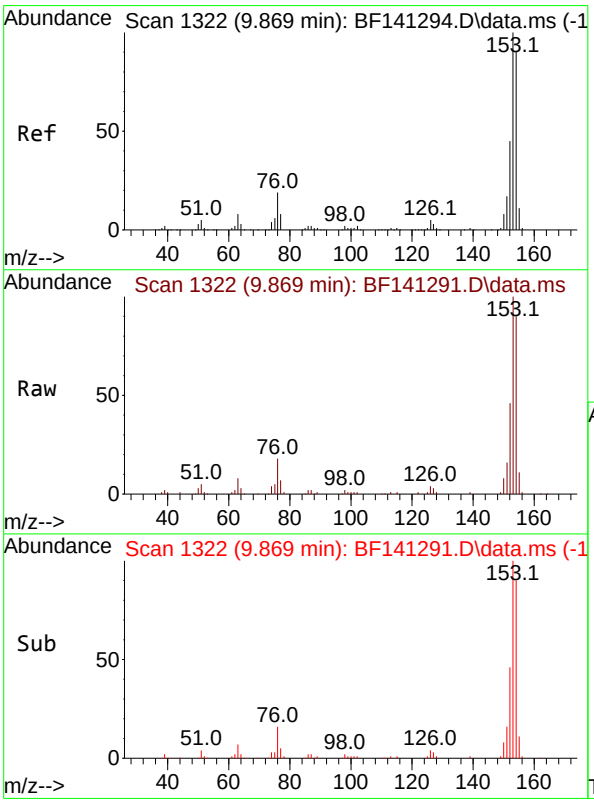

#51
2,6-Dinitrotoluene
Concen: 5.329 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:165 Resp: 23372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 57.7 | 48.1 | 72.1 |
| 89 | 51.3 | 44.9 | 67.3 |

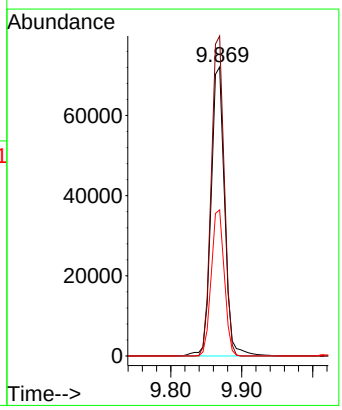


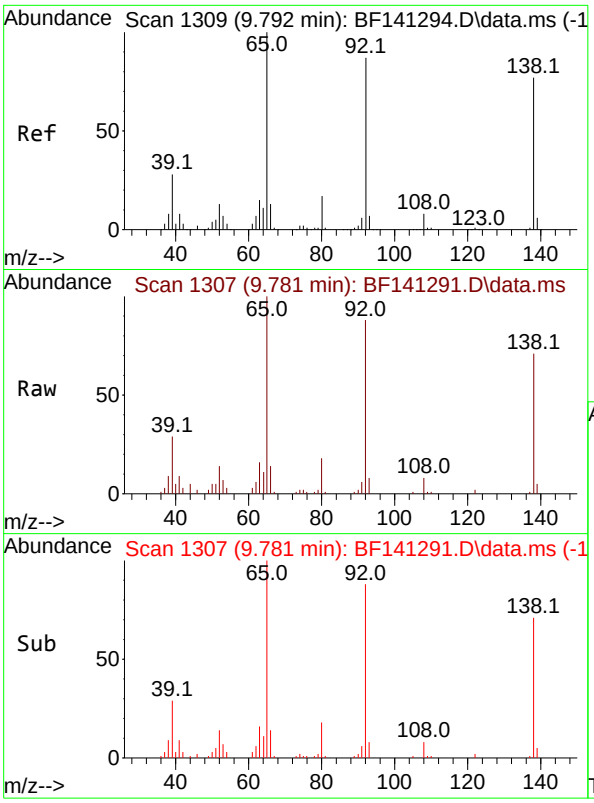




#52
Acenaphthene
Concen: 5.617 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:154 Resp: 95591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.8 | 89.0 | 133.4 |
| 152 | 50.6 | 40.2 | 60.4 |



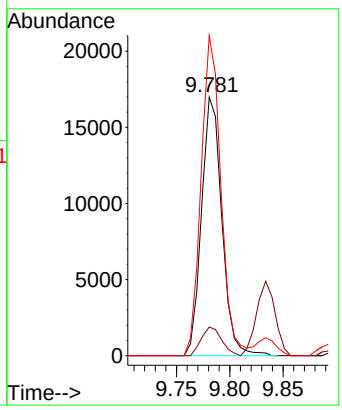


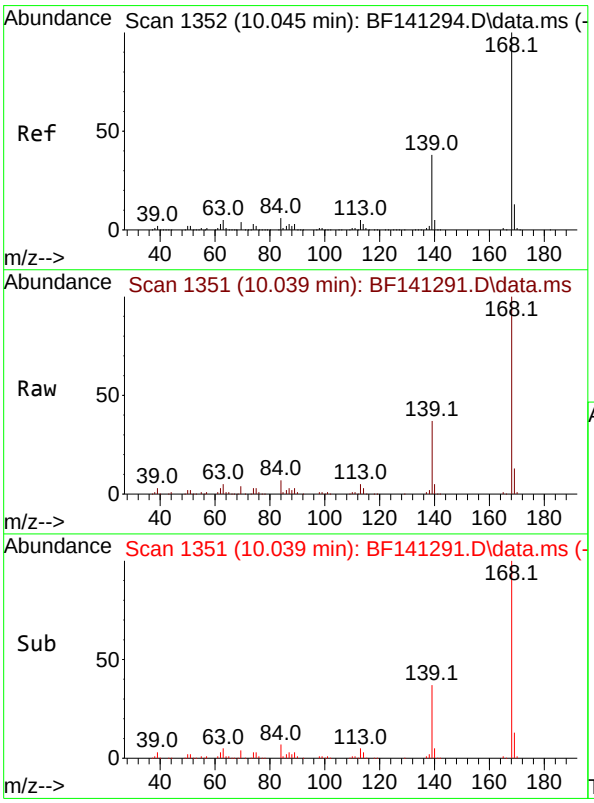

#53
3-Nitroaniline
Concen: 5.206 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:138 Resp: 22582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.1 | 8.6 | 12.8 |
| 92 | 123.7 | 91.0 | 136.6 |

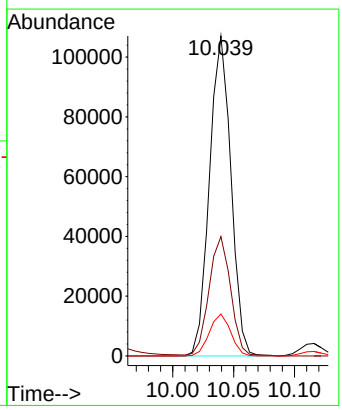


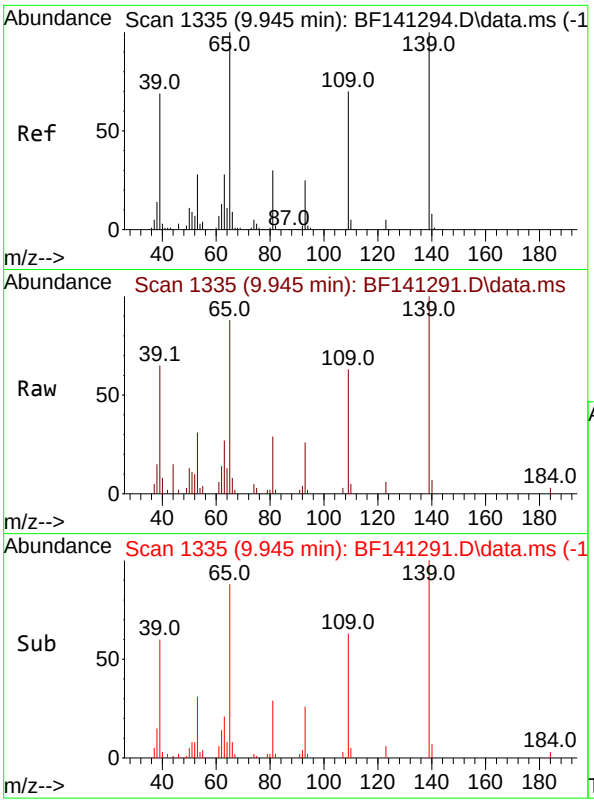




#55
Dibenzofuran
Concen: 5.769 ng
RT: 10.039 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:168 Resp: 131288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.3 | 30.6 | 46.0 |
| 169 | 13.1 | 10.8 | 16.2 |



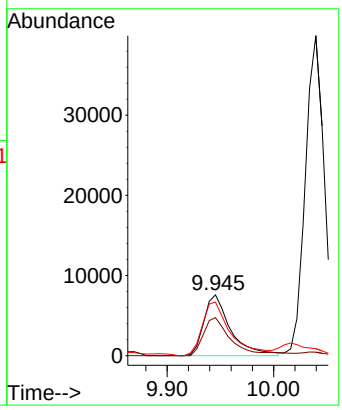


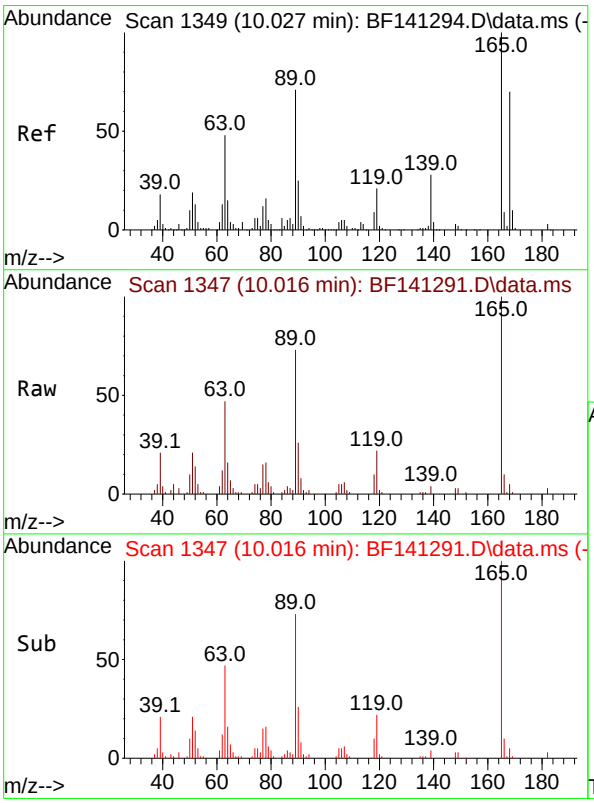

#56
4-Nitrophenol
Concen: 4.226 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:139 Resp: 13160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 62.7 | 50.2 | 90.2 |
| 65 | 88.2 | 80.6 | 120.6 |

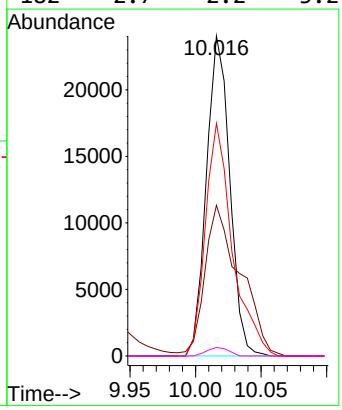


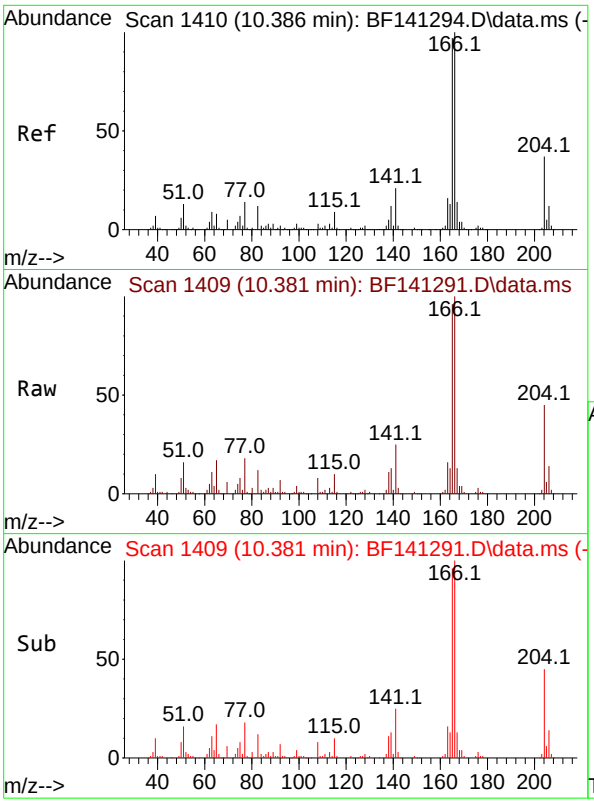




#57
2,4-Dinitrotoluene
Concen: 5.268 ng
RT: 10.016 min Scan# 1347
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:165 Resp: 29799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.1 | 39.2 | 58.8 |
| 89 | 72.7 | 56.9 | 85.3 |
| 182 | 2.7 | 2.2 | 3.2 |



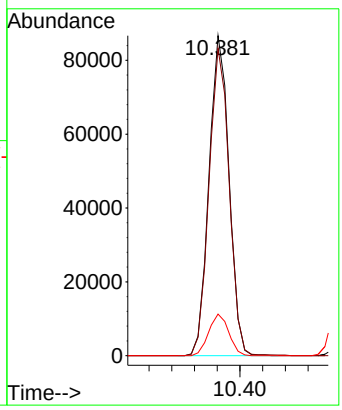


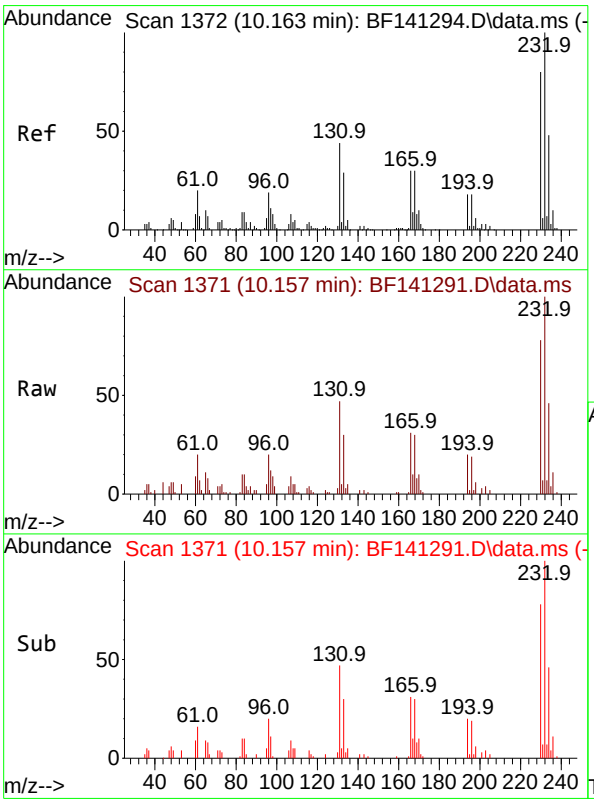

#58
Fluorene
Concen: 6.002 ng
RT: 10.381 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:166 Resp: 106198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.0 | 77.5 | 116.3 |
| 167 | 13.0 | 10.9 | 16.3 |

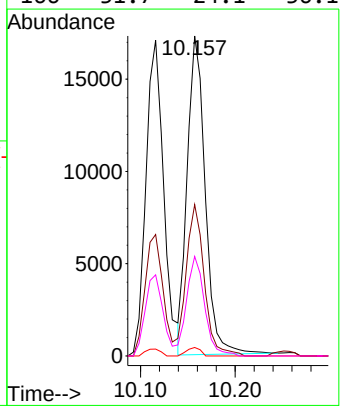


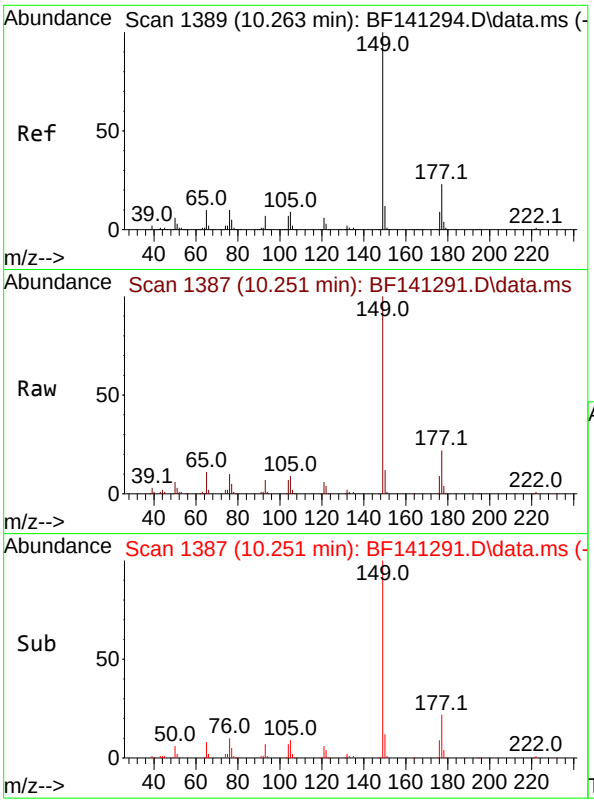




#59
2,3,4,6-Tetrachlorophenol
Concen: 5.090 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:232 Resp: 22818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 48.3 | 36.4 | 54.6 |
| 130 | 2.1 | 1.9 | 2.9 |
| 166 | 31.7 | 24.1 | 36.1 |



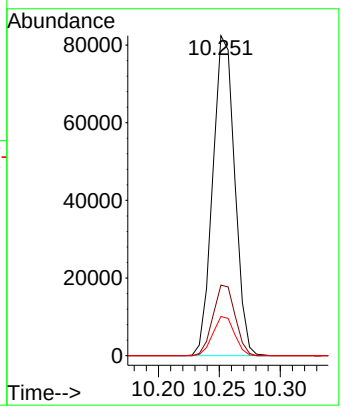


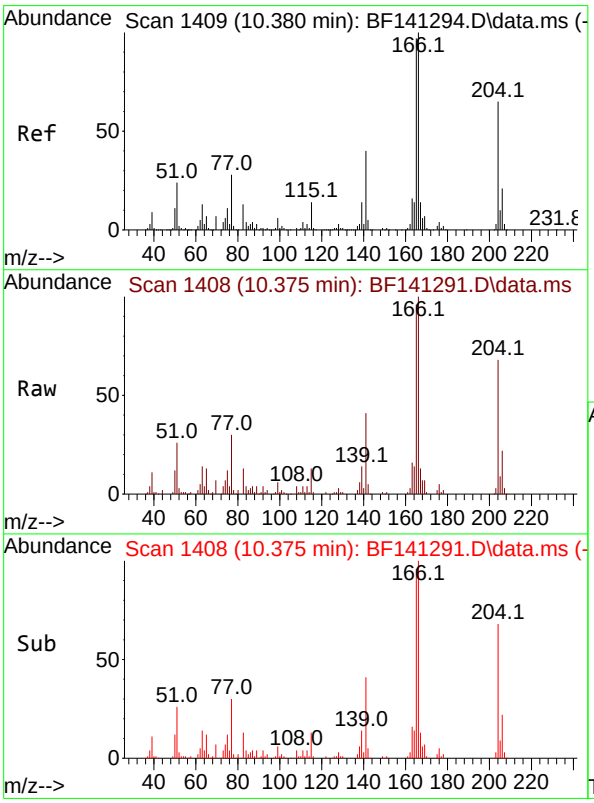

#60
Diethylphthalate
Concen: 5.660 ng
RT: 10.251 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:149 Resp: 103307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.1 | 18.5 | 27.7 |
| 150 | 12.3 | 10.0 | 15.0 |

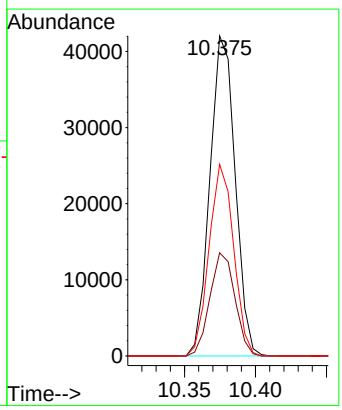


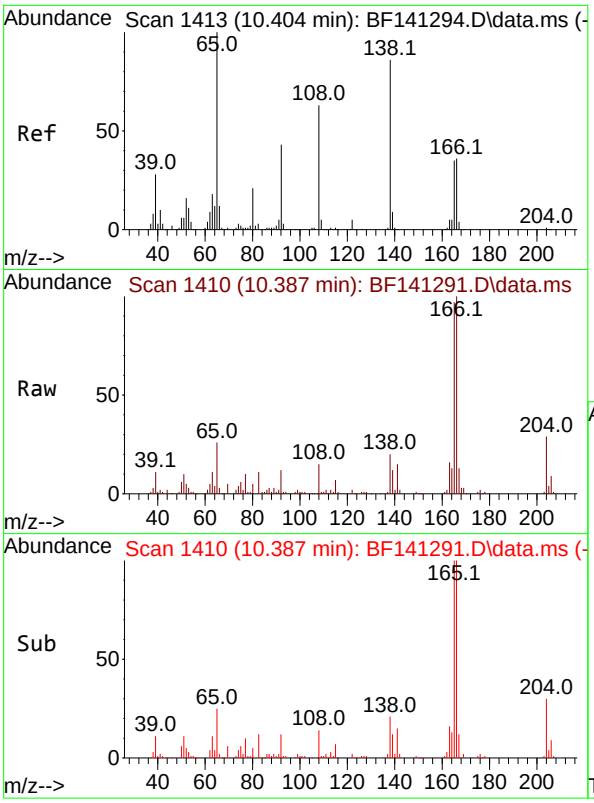




#61
4-Chlorophenyl-phenylether
Concen: 6.007 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:204 Resp: 51875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.3 | 25.9 | 38.9 |
| 141 | 59.9 | 49.5 | 74.3 |



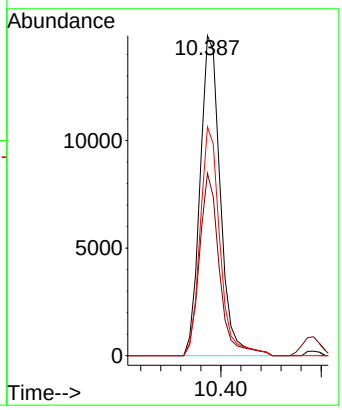


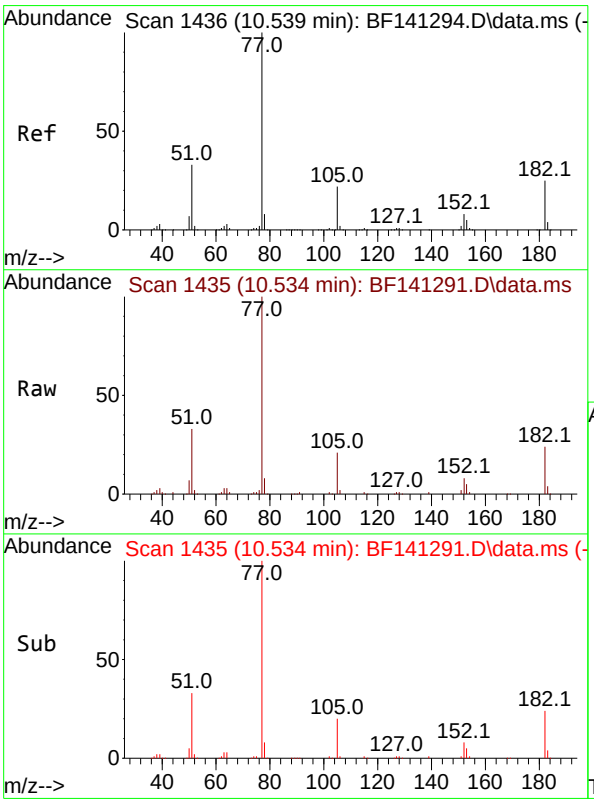

#62
4-Nitroaniline
Concen: 5.008 ng
RT: 10.387 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:138 Resp: 20870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 57.0 | 30.1 | 70.1 |
| 108 | 71.5 | 53.1 | 93.1 |

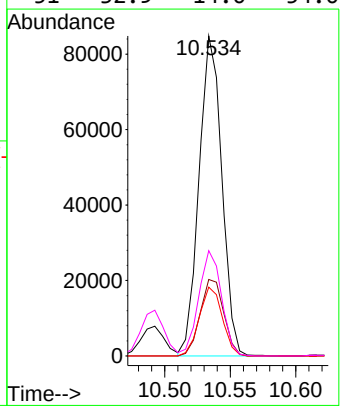


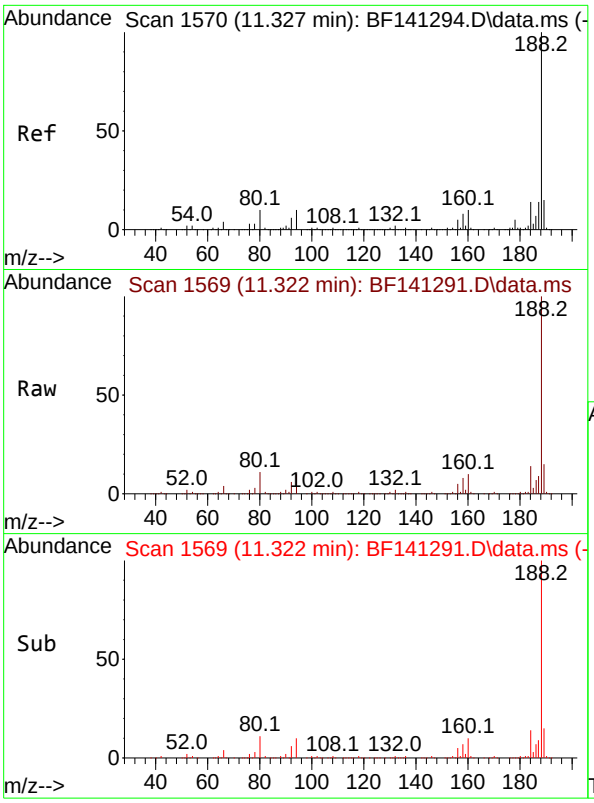




#63
Azobenzene
Concen: 5.623 ng
RT: 10.534 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 77 Resp: 102878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 23.9 | 5.1 | 45.1 |
| 105 | 21.5 | 1.8 | 41.8 |
| 51 | 32.9 | 14.0 | 54.0 |



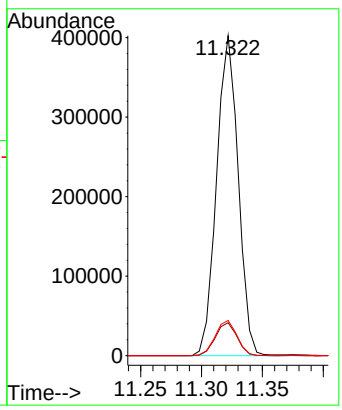


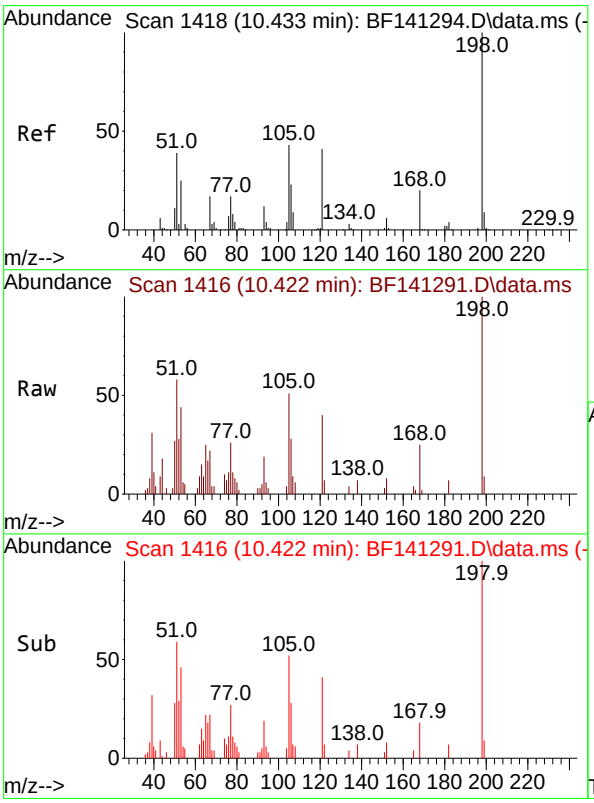

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:188 Resp: 497368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.3 | 7.8 | 11.6 |
| 80 | 11.0 | 8.2 | 12.4 |

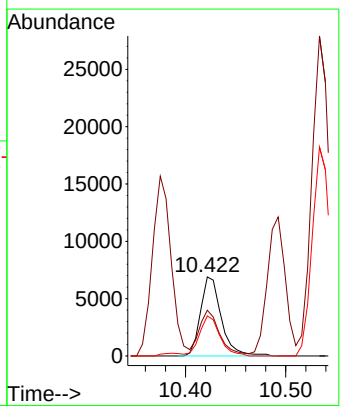


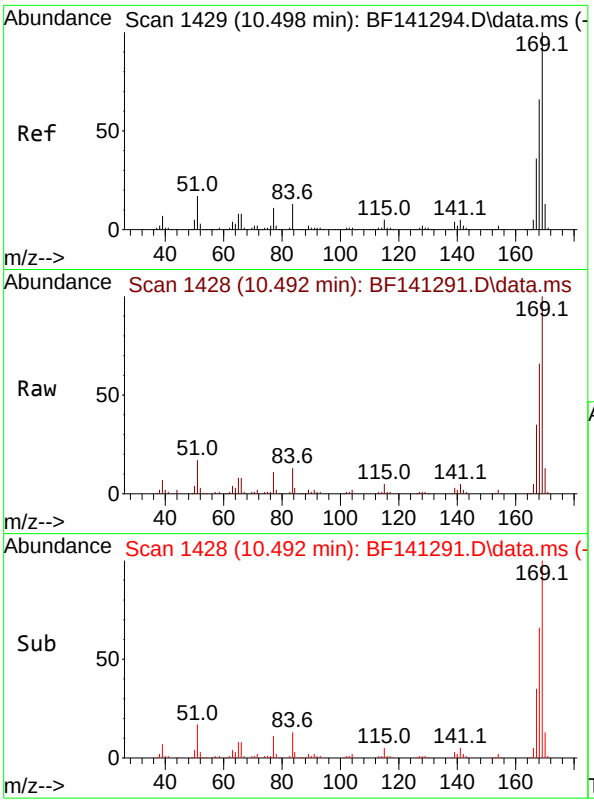




#65
4,6-Dinitro-2-methylphenol
Concen: 3.353 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:198 Resp: 9960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 57.8 | 33.4 | 73.4 |
| 105 | 50.6 | 24.4 | 64.4 |



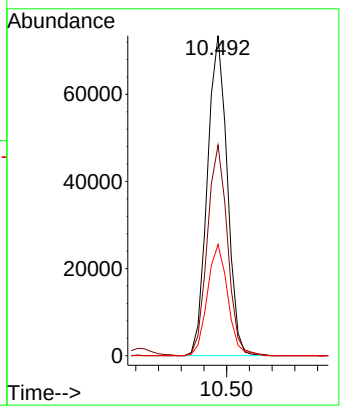


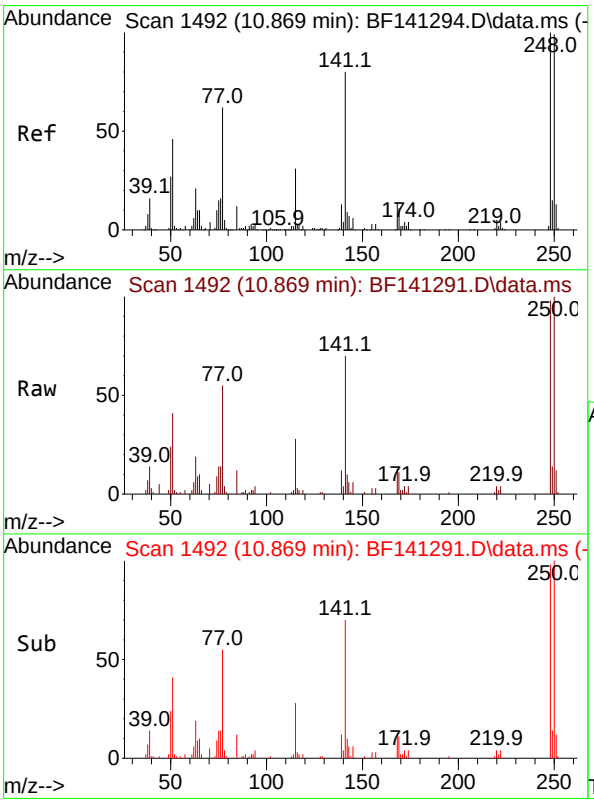

#66
n-Nitrosodiphenylamine
Concen: 5.523 ng
RT: 10.492 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:169 Resp: 89060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.8 | 53.0 | 79.4 |
| 167 | 34.7 | 28.8 | 43.2 |

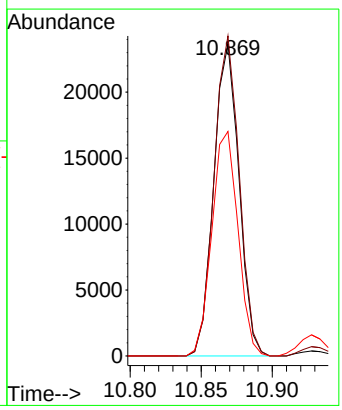


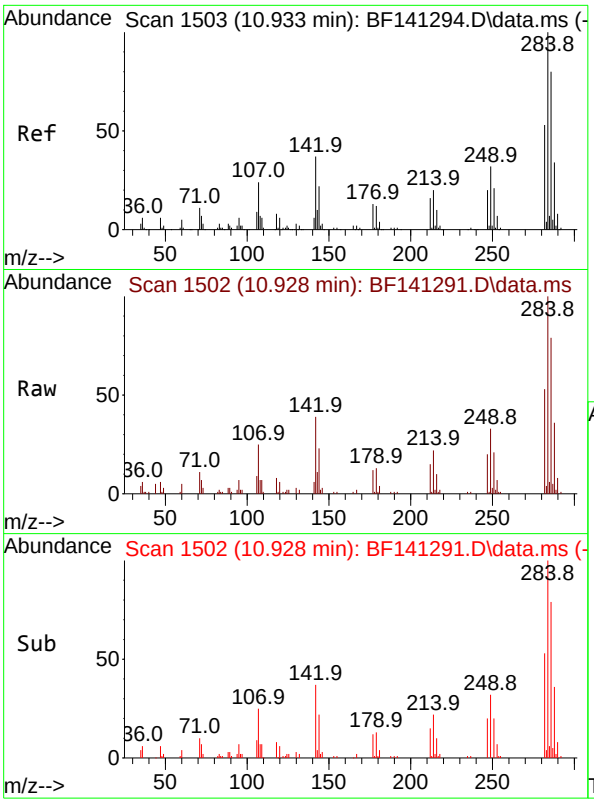




#67
4-Bromophenyl-phenylether
Concen: 5.245 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:248 Resp: 29160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 102.5 | 79.0 | 118.4 |
| 141 | 71.9 | 63.7 | 95.5 |



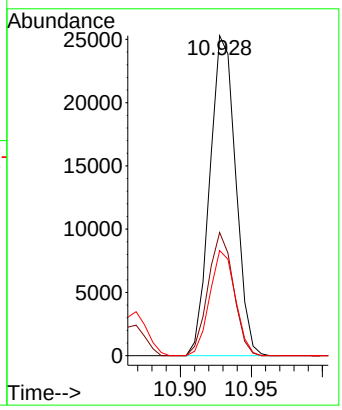


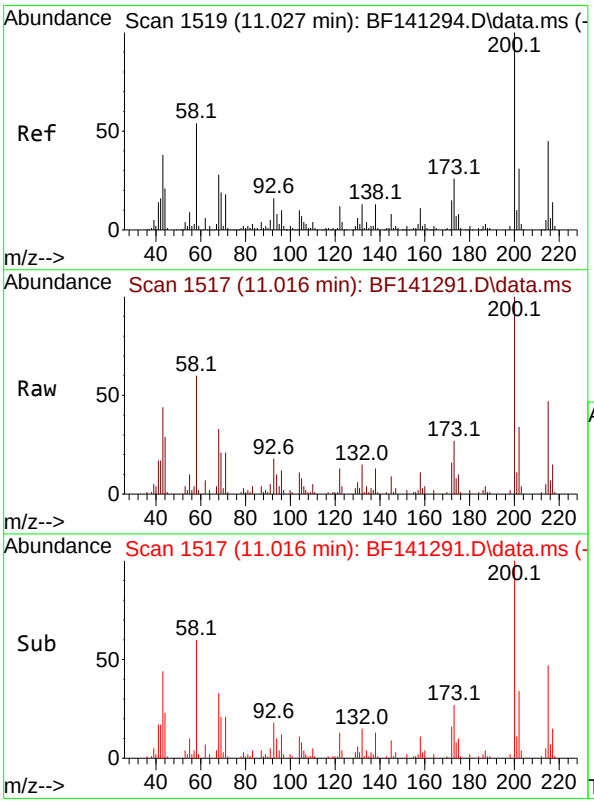

#68
Hexachlorobenzene
Concen: 5.424 ng
RT: 10.928 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:284 Resp: 31990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 38.5 | 29.5 | 44.3 |
| 249 | 32.8 | 25.4 | 38.2 |

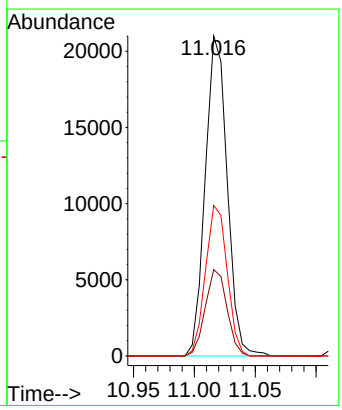


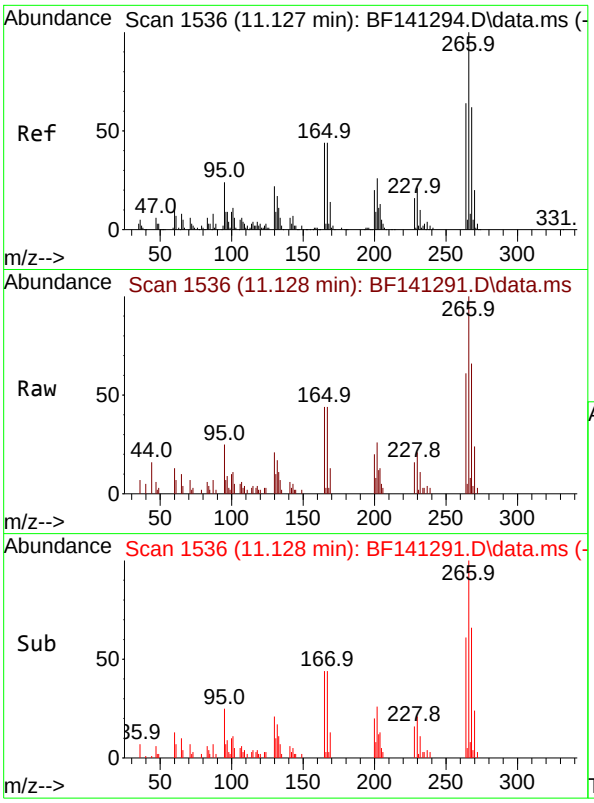




#69
Atrazine
Concen: 4.855 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:200 Resp: 26258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.0 | 5.9 | 45.9 |
| 215 | 47.0 | 25.2 | 65.2 |



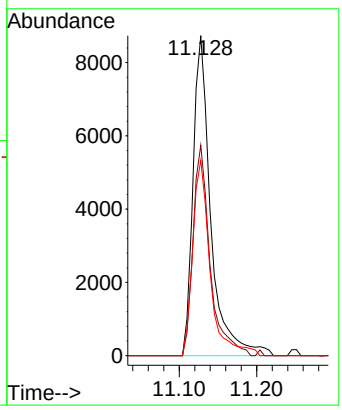


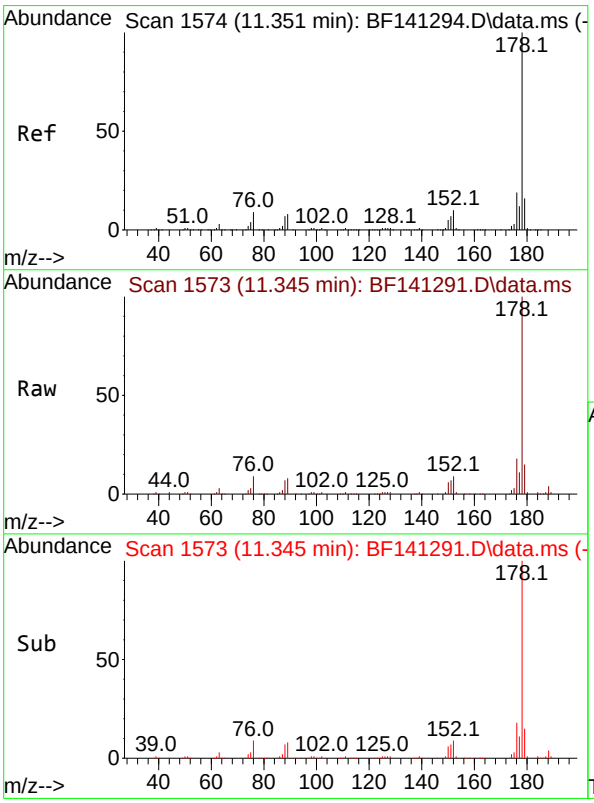

#70
Pentachlorophenol
Concen: 4.027 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:266 Resp: 13924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 65.7 | 49.9 | 74.9 |
| 264 | 61.1 | 51.0 | 76.4 |

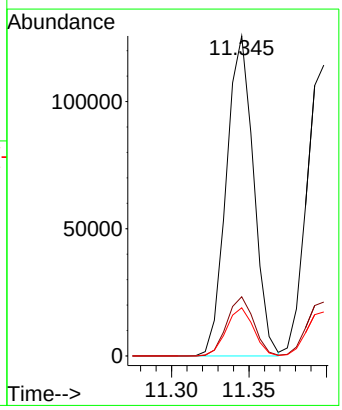


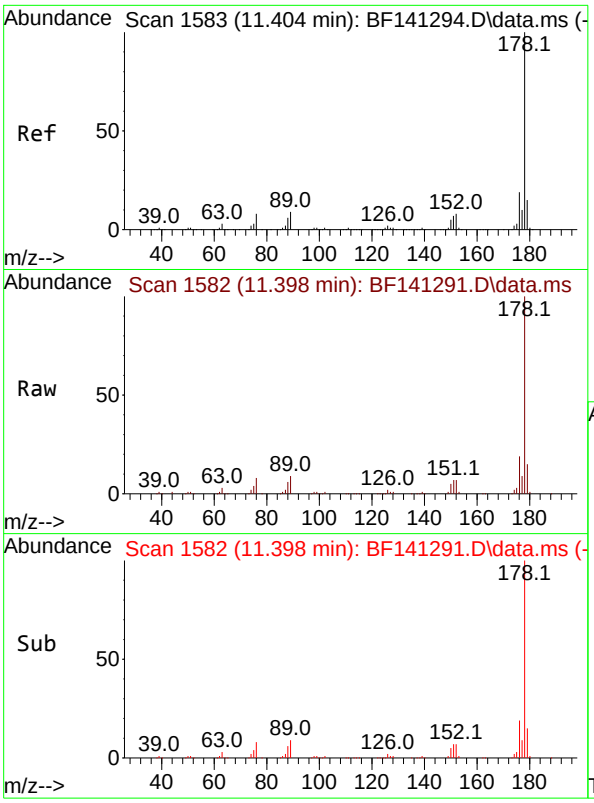




#71
Phenanthrene
Concen: 5.738 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:178 Resp: 153320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 15.3 | 22.9 |
| 179 | 15.0 | 12.5 | 18.7 |



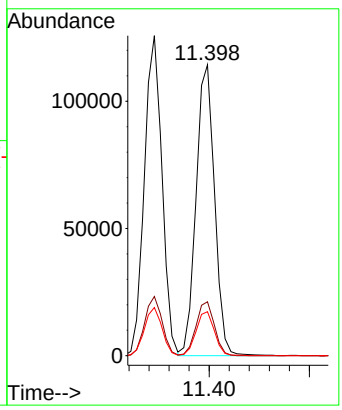


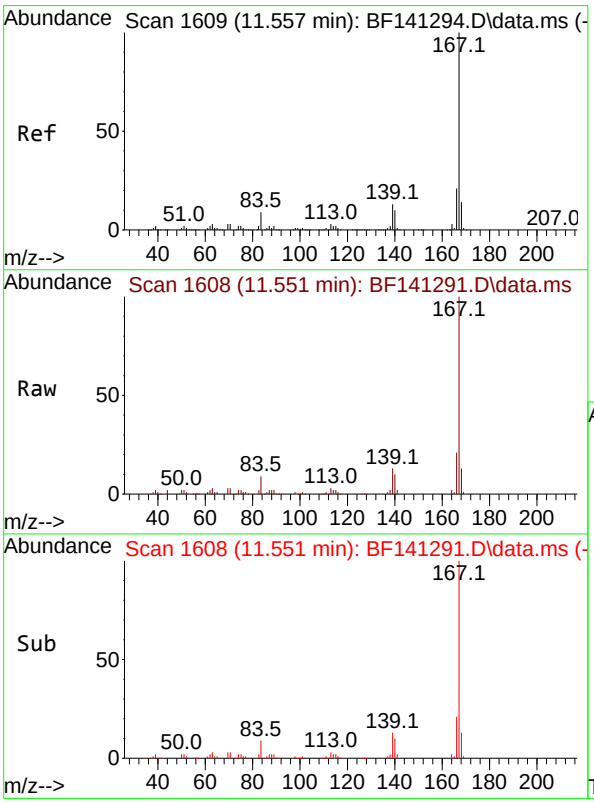

#72
Anthracene
Concen: 5.625 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:178 Resp: 146593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.0 | 22.6 |
| 179 | 15.1 | 12.3 | 18.5 |

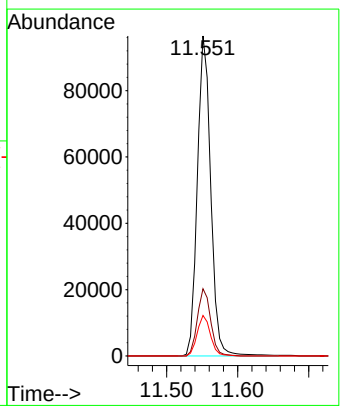


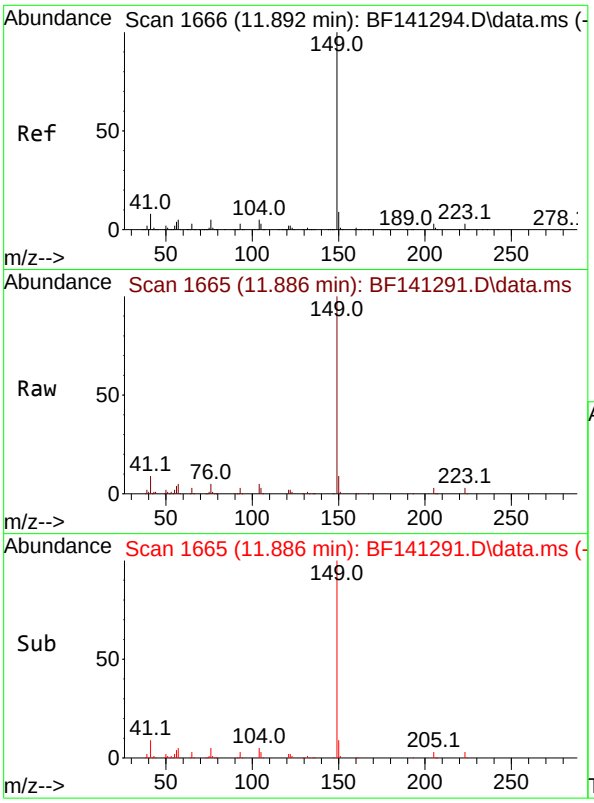




#73
Carbazole
Concen: 5.491 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:167 Resp: 126760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.0 | 17.0 | 25.6 |
| 139 | 12.6 | 10.6 | 16.0 |



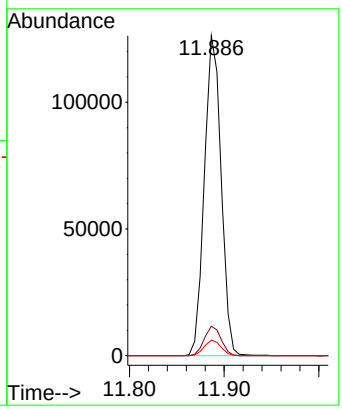


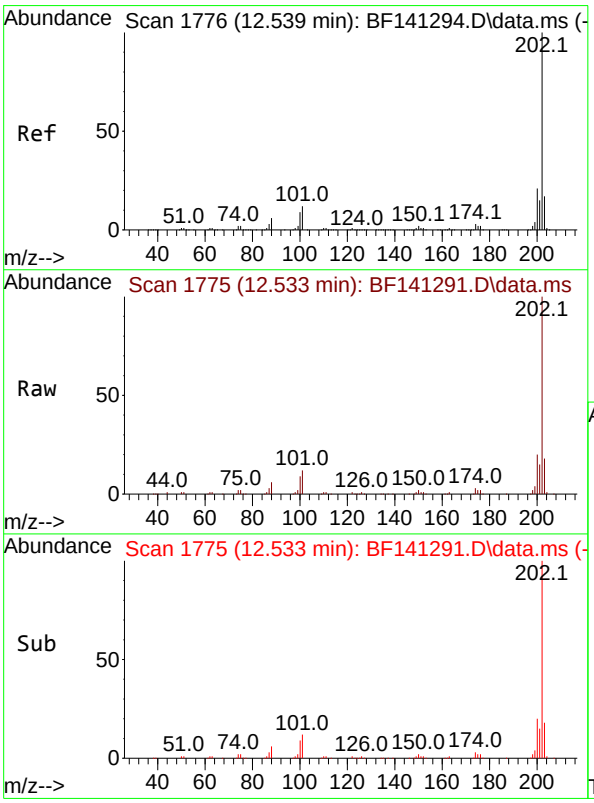

#74
Di-n-butylphthalate
Concen: 5.560 ng
RT: 11.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:149 Resp: 154718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.4 | 11.2 |
| 104 | 4.9 | 3.9 | 5.9 |

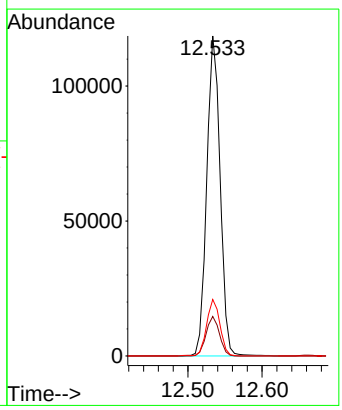


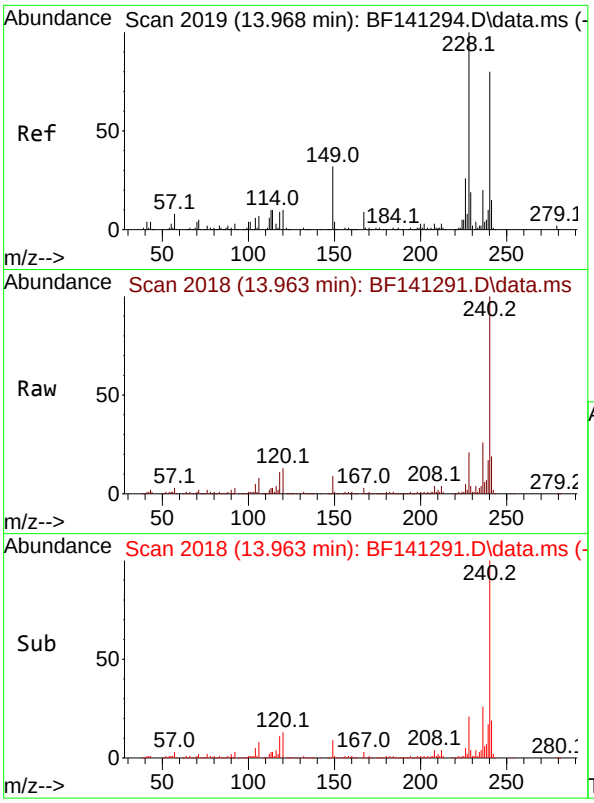




#75
Fluoranthene
Concen: 5.696 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:202 Resp: 148553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.4 | 0.0 | 31.7 |
| 203 | 17.6 | 0.0 | 37.5 |



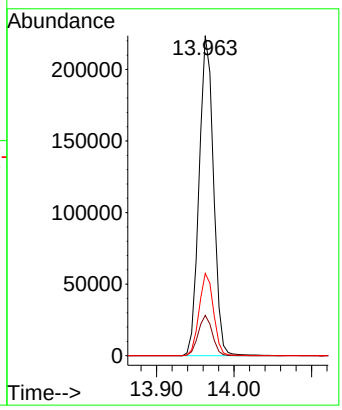


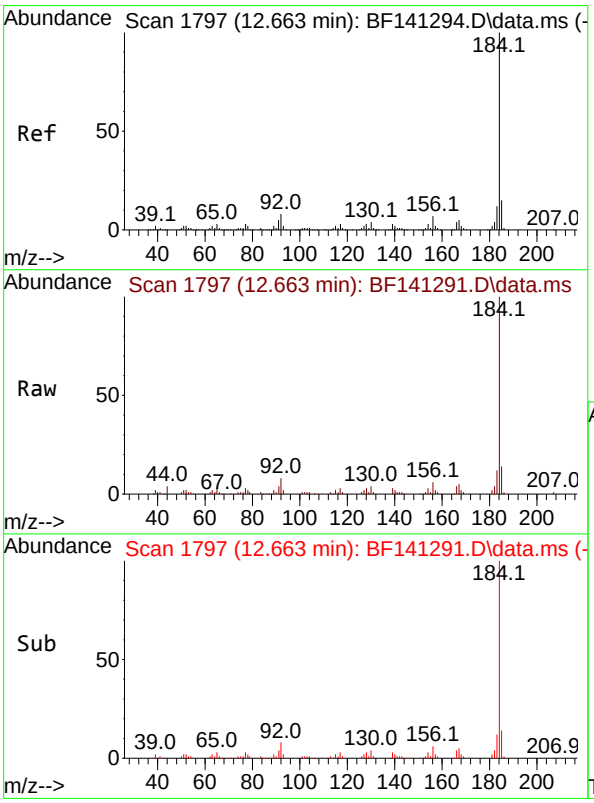

#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:240 Resp: 288657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.6 | 10.0 | 15.0 |
| 236 | 25.7 | 19.7 | 29.5 |

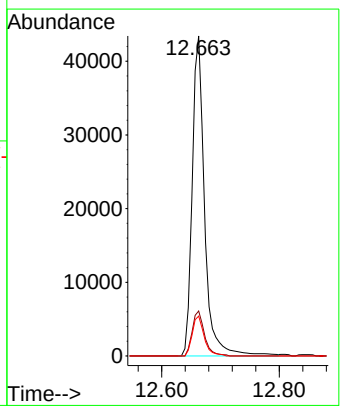


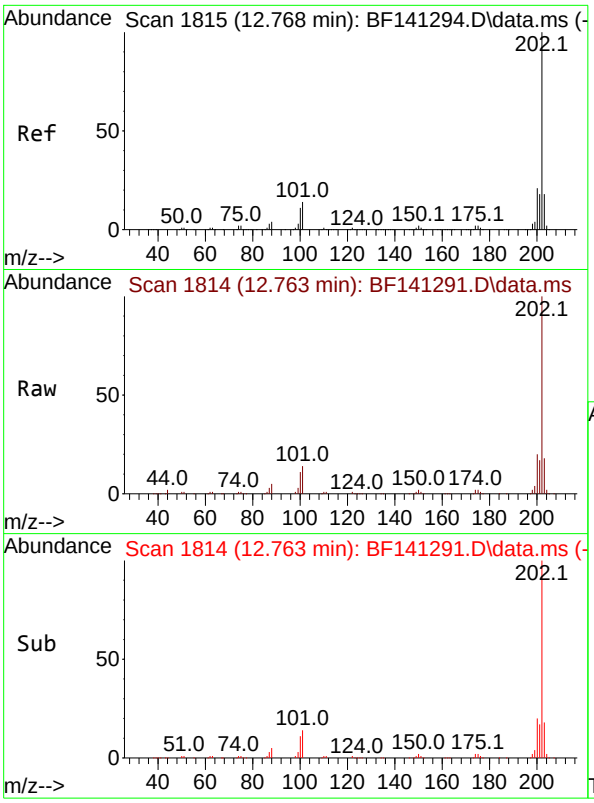




#77
Benzidine
Concen: 7.253 ng
RT: 12.663 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:184 Resp: 63661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.1 | 11.9 | 17.9 |
| 183 | 12.4 | 9.5 | 14.3 |



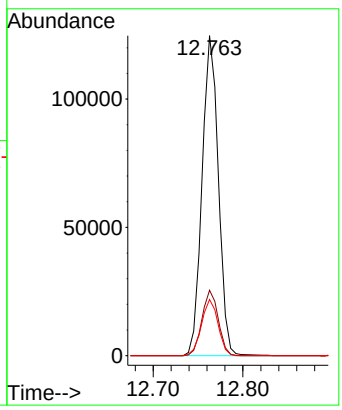


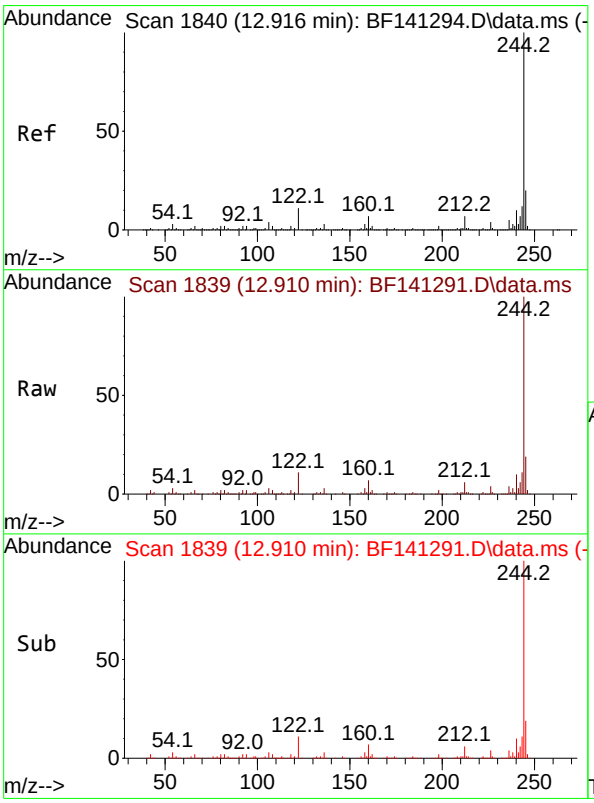

#78
Pyrene
Concen: 5.639 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:202 Resp: 157175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.4 | 17.0 | 25.4 |
| 203 | 17.6 | 14.3 | 21.5 |

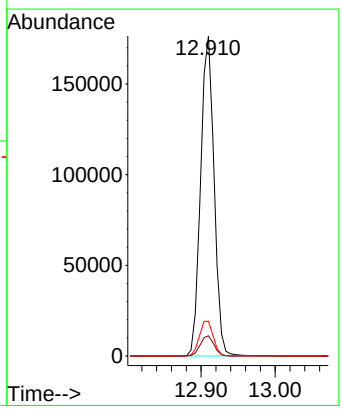


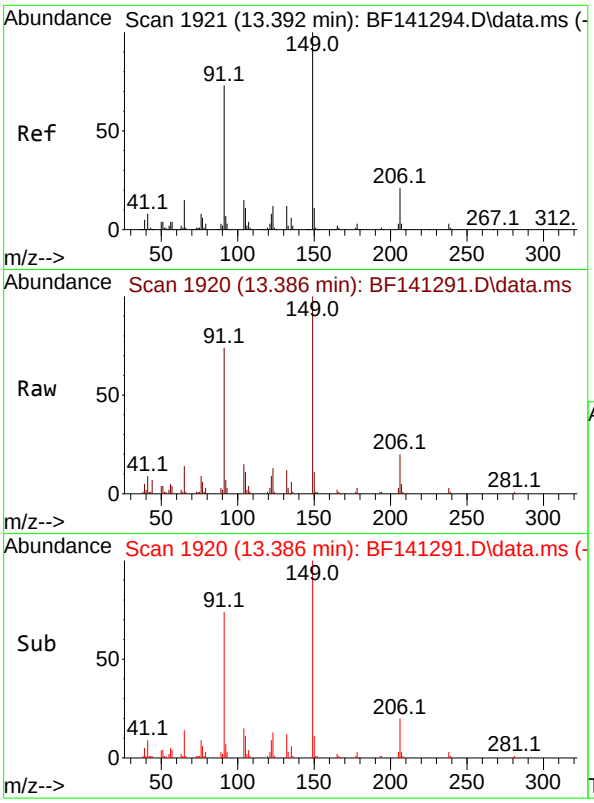




#79
Terphenyl-d14
Concen: 11.874 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:244 Resp: 222747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.3 | 5.4 | 8.0 |
| 122 | 10.9 | 8.8 | 13.2 |



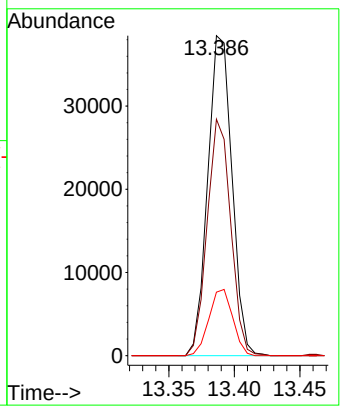


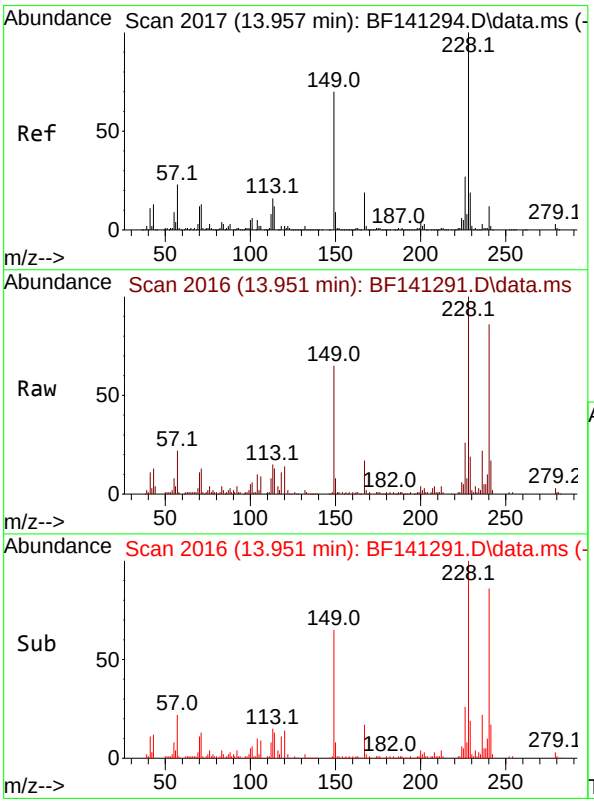

#80
Butylbenzylphthalate
Concen: 5.140 ng
RT: 13.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:149 Resp: 49477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 73.9 | 58.6 | 87.8 |
| 206 | 19.9 | 16.7 | 25.1 |

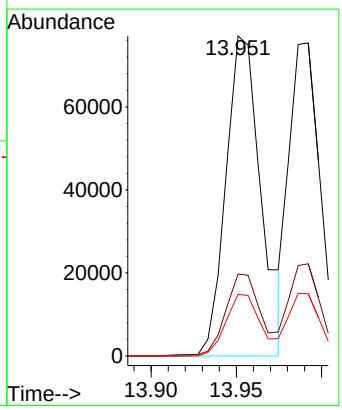


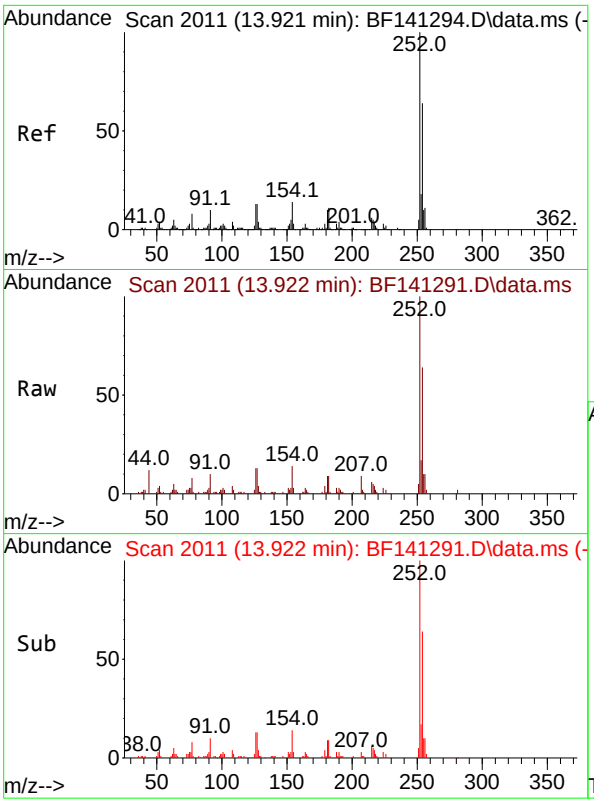




#81
Benzo(a)anthracene
Concen: 5.588 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:228 Resp: 110559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 25.6 | 21.4 | 32.2 |
| 229 | 19.3 | 15.5 | 23.3 |



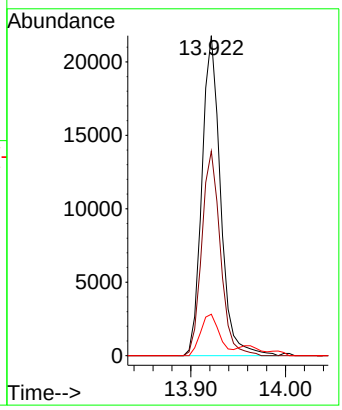


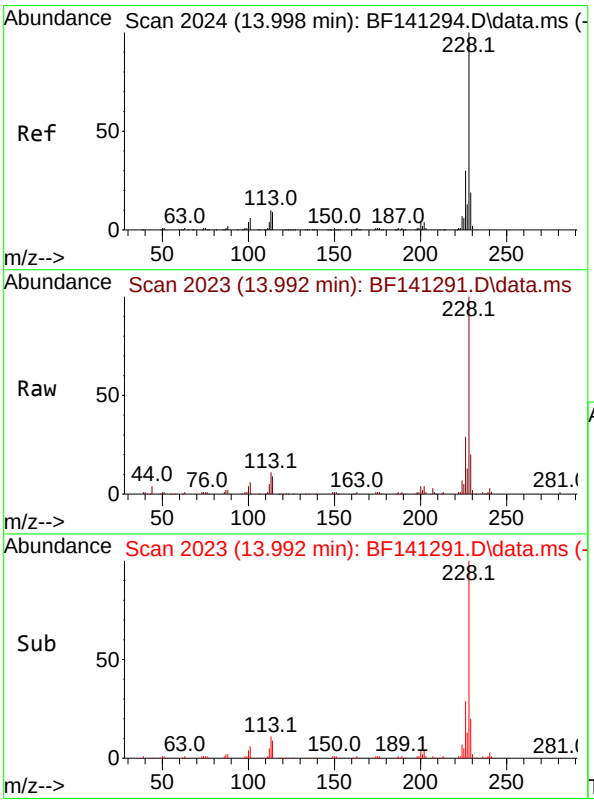

#82
3,3'-Dichlorobenzidine
Concen: 4.803 ng
RT: 13.922 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:252 Resp: 29754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.9 | 51.3 | 76.9 |
| 126 | 13.0 | 10.0 | 15.0 |

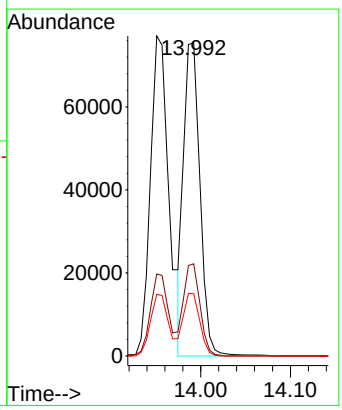


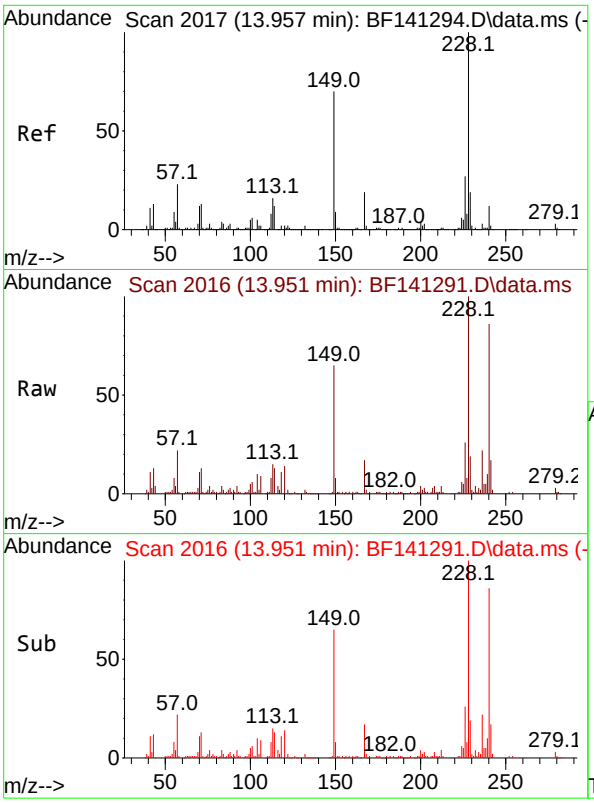




#83
Chrysene
Concen: 5.238 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:228 Resp: 96099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.5 | 24.1 | 36.1 |
| 229 | 19.9 | 15.6 | 23.4 |



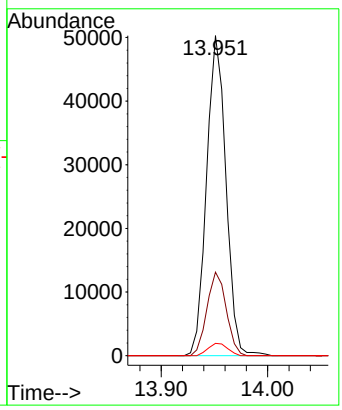


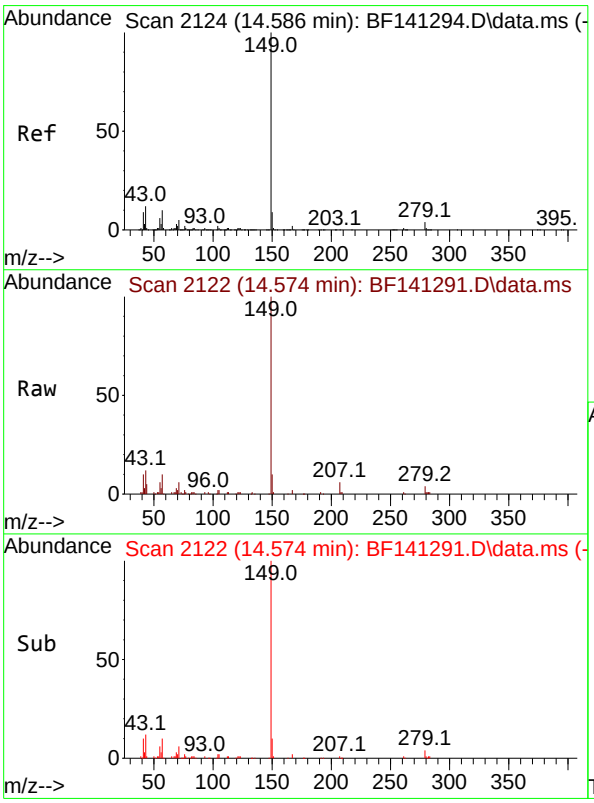

#84
Bis(2-ethylhexyl)phthalate
Concen: 5.269 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:149 Resp: 63638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.1 | 21.8 | 32.8 |
| 279 | 3.9 | 3.3 | 4.9 |

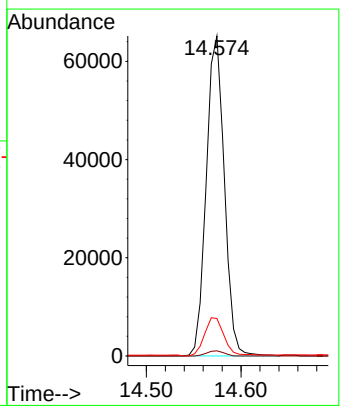


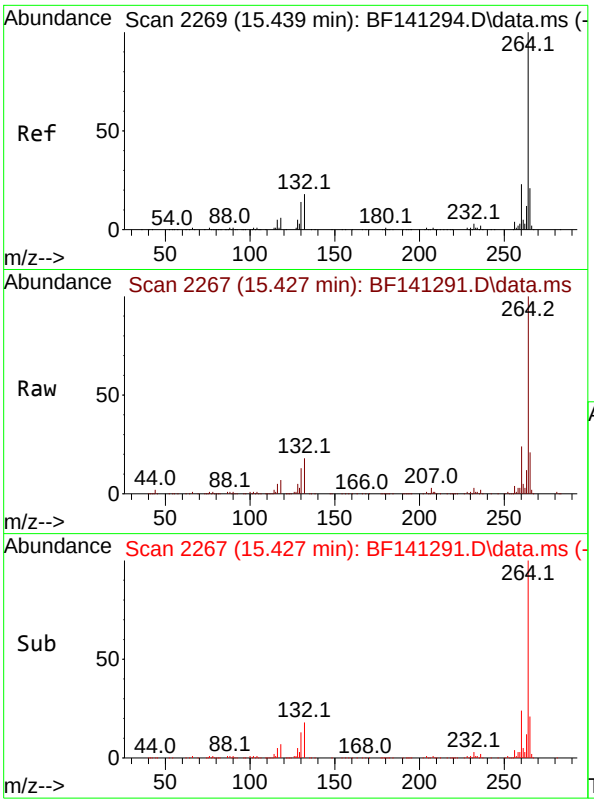




#85
Di-n-octyl phthalate
Concen: 4.560 ng
RT: 14.574 min Scan# 2122
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:149 Resp: 86163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 13.3 | 9.8 | 14.8 |



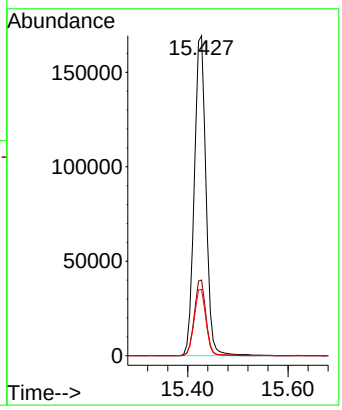


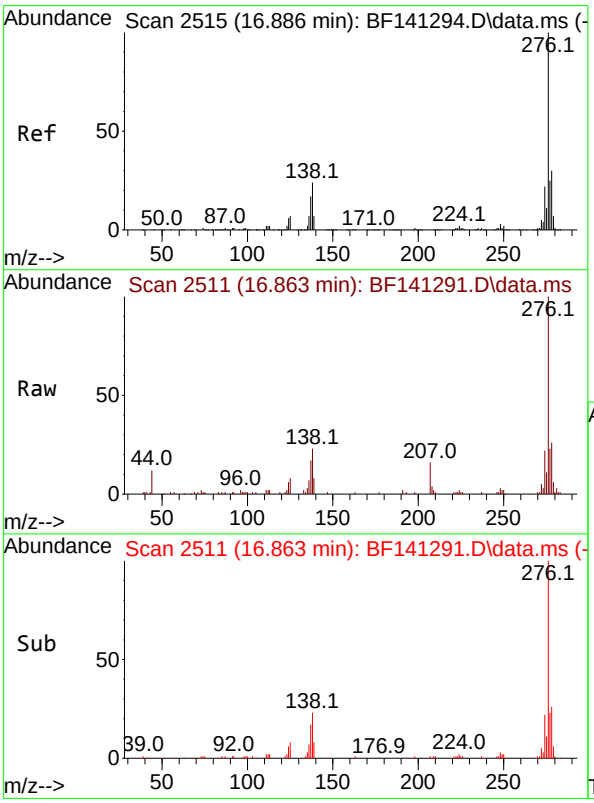

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:264 Resp: 273117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.6 | 27.8 |
| 265 | 20.7 | 16.7 | 25.1 |

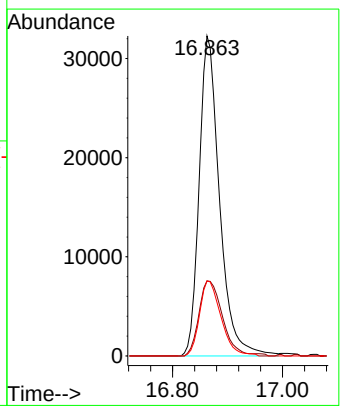


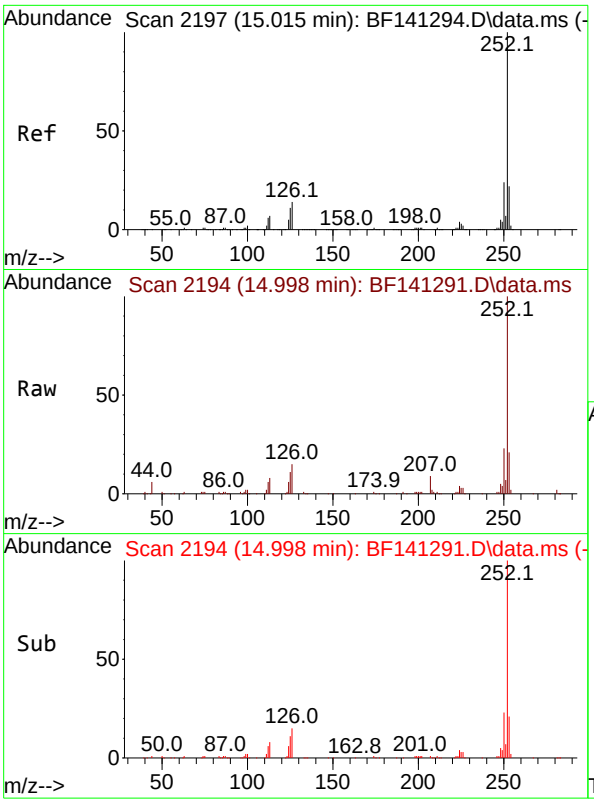




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.657 ng
RT: 16.863 min Scan# 2511
Delta R.T. -0.023 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:276 Resp: 83074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.3 | 21.7 | 32.5 |
| 277 | 24.7 | 20.3 | 30.5 |



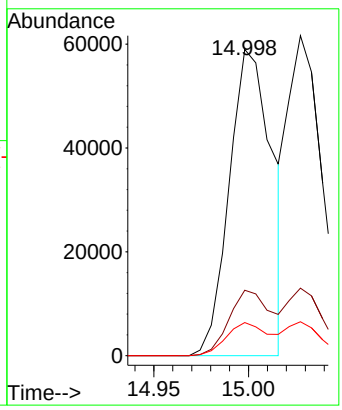


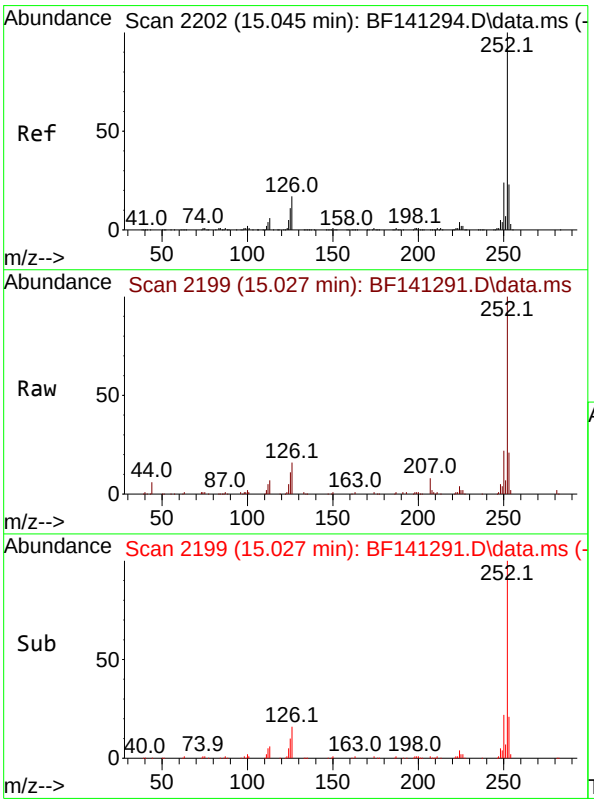

#88
Benzo(b)fluoranthene
Concen: 5.465 ng
RT: 14.998 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:252 Resp: 92690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.4 | 26.2 |
| 125 | 10.8 | 8.6 | 12.8 |

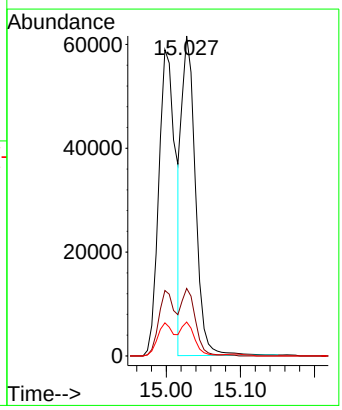


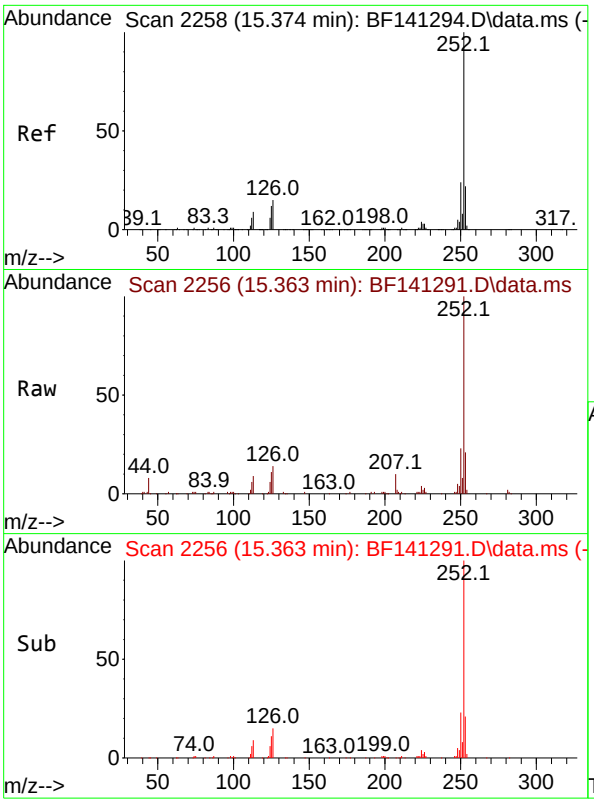




#89
Benzo(k)fluoranthene
Concen: 5.247 ng
RT: 15.027 min Scan# 2199
Delta R.T. -0.017 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:252 Resp: 79701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.1 | 17.6 | 26.4 |
| 125 | 10.6 | 8.4 | 12.6 |



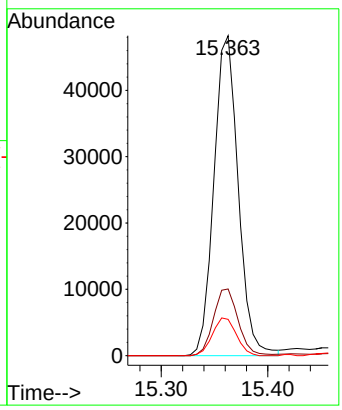


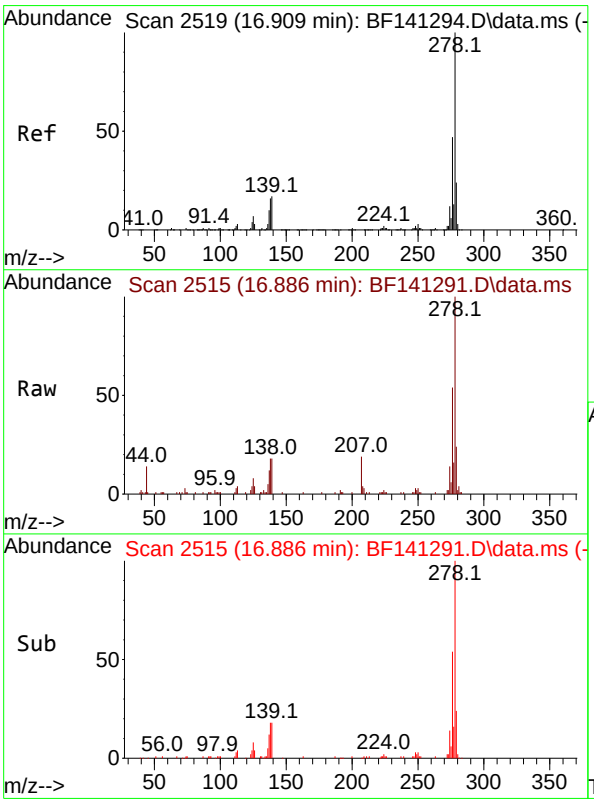

#90
Benzo(a)pyrene
Concen: 5.268 ng
RT: 15.363 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:252 Resp: 76368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 20.9 | 17.2 | 25.8 |
| 125 | 11.3 | 9.4 | 14.2 |

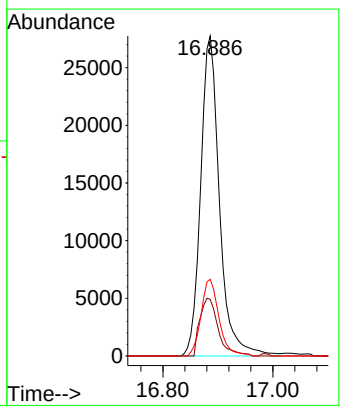


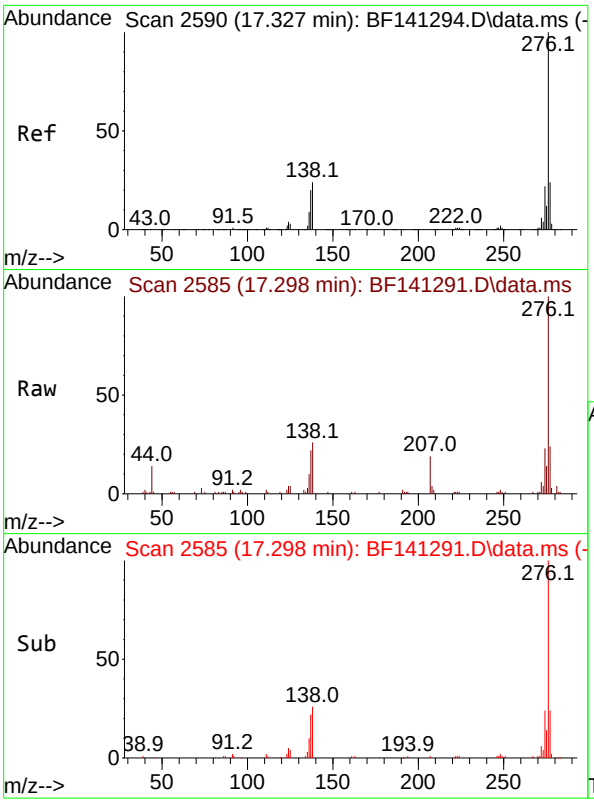




#91
Dibenzo(a,h)anthracene
Concen: 4.615 ng
RT: 16.886 min Scan# 2515
Delta R.T. -0.023 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:278 Resp: 65991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.7 | 13.9 | 20.9 |
| 279 | 24.0 | 18.8 | 28.2 |



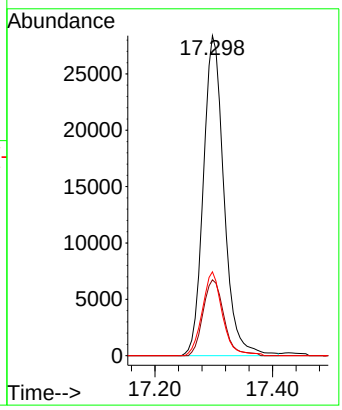



#92
Benzo(g,h,i)perylene
Concen: 4.591 ng
RT: 17.298 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

Tgt Ion:276 Resp: 69049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 19.2 | 28.8 |
| 138 | 26.2 | 19.0 | 28.4 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141292.D
Acq On : 29 Jan 2025 11:49
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 16:29:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.798 | 152 | 132200 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.081 | 136 | 533326 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.834 | 164 | 289559 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.322 | 188 | 510795 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.969 | 240 | 308114 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.433 | 264 | 280028 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.399 | 112 | 183846 | 21.507 | ng | 0.00 |
| 7) Phenol-d6 | 6.416 | 99 | 237908 | 21.836 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.357 | 82 | 211040 | 20.937 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.622 | 330 | 57417 | 21.761 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.151 | 172 | 423852 | 22.581 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.910 | 244 | 434781 | 21.713 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.487 | 88 | 39830 | 10.497 | ng | 98 |
| 3) Pyridine | 3.222 | 79 | 93176 | 10.267 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.152 | 42 | 52157 | 10.036 | ng | 98 |
| 6) Aniline | 6.457 | 93 | 99872 | 10.968 | ng | 99 |
| 8) 2-Chlorophenol | 6.581 | 128 | 99805 | 10.871 | ng | 95 |
| 9) Benzaldehyde | 6.346 | 77 | 74679 | 11.803 | ng | 99 |
| 10) Phenol | 6.434 | 94 | 124196 | 10.775 | ng | 96 |
| 11) bis(2-Chloroethyl)ether | 6.528 | 93 | 93367 | 10.533 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.740 | 146 | 110278 | 10.891 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.816 | 146 | 109956 | 10.784 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 6.969 | 146 | 106335 | 11.160 | ng | 98 |
| 15) Benzyl Alcohol | 6.934 | 79 | 79378 | 10.665 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075 | 45 | 164185 | 10.661 | ng | 99 |
| 17) 2-Methylphenol | 7.045 | 107 | 77643 | 10.446 | ng | 98 |
| 18) Hexachloroethane | 7.310 | 117 | 40445 | 10.721 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.204 | 70 | 70075 | 10.815 | ng | 99 |
| 20) 3+4-Methylphenols | 7.198 | 107 | 103360 | 11.310 | ng | 95 |
| 22) Acetophenone | 7.204 | 105 | 139527 | 11.036 | ng | 98 |
| 24) Nitrobenzene | 7.375 | 77 | 109497 | 10.474 | ng | 99 |
| 25) Isophorone | 7.616 | 82 | 182564 | 10.480 | ng | 100 |
| 26) 2-Nitrophenol | 7.692 | 139 | 49783 | 10.167 | ng | 98 |
| 27) 2,4-Dimethylphenol | 7.728 | 122 | 63681m | 10.177 | ng | |
| 28) bis(2-Chloroethoxy)met... | 7.828 | 93 | 117232 | 10.561 | ng | 98 |
| 29) 2,4-Dichlorophenol | 7.934 | 162 | 79949 | 10.457 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.022 | 180 | 94419 | 10.767 | ng | 98 |
| 31) Naphthalene | 8.098 | 128 | 305386 | 10.887 | ng | 99 |
| 32) Benzoic acid | 7.798 | 122 | 47549 | 8.367 | ng | 99 |
| 33) 4-Chloroaniline | 8.151 | 127 | 100852 | 10.703 | ng | 98 |
| 34) Hexachlorobutadiene | 8.222 | 225 | 55103 | 10.736 | ng | 99 |
| 35) Caprolactam | 8.481 | 113 | 25363 | 10.256 | ng | 100 |
| 36) 4-Chloro-3-methylphenol | 8.622 | 107 | 87592 | 10.674 | ng | 98 |
| 37) 2-Methylnaphthalene | 8.792 | 142 | 195160 | 10.925 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.892 | 142 | 192861 | 11.022 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.957 | 216 | 88710 | 10.775 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 8.945 | 237 | 22759 | 9.212 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.069 | 196 | 55036 | 10.241 | ng | 99 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141292.D
Acq On : 29 Jan 2025 11:49
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 16:29:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.104 | 196 | 61493 | 10.518 | ng | 100 |
| 46) 1,1'-Biphenyl | 9.257 | 154 | 245028 | 10.847 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.281 | 162 | 189709 | 10.812 | ng | 98 |
| 48) 2-Nitroaniline | 9.375 | 65 | 56247 | 10.164 | ng | 99 |
| 49) Acenaphthylene | 9.692 | 152 | 268471 | 10.895 | ng | 99 |
| 50) Dimethylphthalate | 9.551 | 163 | 210816 | 10.857 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.616 | 165 | 47955 | 10.613 | ng | 97 |
| 52) Acenaphthene | 9.869 | 154 | 188283 | 10.738 | ng | 100 |
| 53) 3-Nitroaniline | 9.781 | 138 | 47818 | 10.699 | ng | 95 |
| 54) 2,4-Dinitrophenol | 9.892 | 184 | 14749 | 6.925 | ng | 98 |
| 55) Dibenzofuran | 10.039 | 168 | 258832 | 11.038 | ng | 99 |
| 56) 4-Nitrophenol | 9.939 | 139 | 31196 | 9.722 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 10.016 | 165 | 62418 | 10.710 | ng | 99 |
| 58) Fluorene | 10.381 | 166 | 204141 | 11.197 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232 | 49596 | 10.737 | ng | 100 |
| 60) Diethylphthalate | 10.257 | 149 | 205131 | 10.908 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.375 | 204 | 100485 | 11.294 | ng | 100 |
| 62) 4-Nitroaniline | 10.392 | 138 | 45222 | 10.533 | ng | 99 |
| 63) Azobenzene | 10.534 | 77 | 204300 | 10.839 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.422 | 198 | 26939 | 8.831 | ng | 91 |
| 66) n-Nitrosodiphenylamine | 10.492 | 169 | 174617 | 10.544 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.869 | 248 | 59770 | 10.468 | ng | 96 |
| 68) Hexachlorobenzene | 10.928 | 284 | 63908 | 10.551 | ng | 100 |
| 69) Atrazine | 11.016 | 200 | 51633 | 9.295 | ng | 99 |
| 70) Pentachlorophenol | 11.128 | 266 | 34788 | 9.796 | ng | 99 |
| 71) Phenanthrene | 11.345 | 178 | 298892 | 10.893 | ng | 99 |
| 72) Anthracene | 11.398 | 178 | 292813 | 10.940 | ng | 99 |
| 73) Carbazole | 11.551 | 167 | 258853 | 10.919 | ng | 99 |
| 74) Di-n-butylphthalate | 11.886 | 149 | 316336 | 11.070 | ng | 99 |
| 75) Fluoranthene | 12.533 | 202 | 306969 | 11.462 | ng | 99 |
| 77) Benzidine | 12.657 | 184 | 73918 | 7.890 | ng | 98 |
| 78) Pyrene | 12.763 | 202 | 317744 | 10.681 | ng | 99 |
| 80) Butylbenzylphthalate | 13.386 | 149 | 106335 | 10.349 | ng | 99 |
| 81) Benzo(a)anthracene | 13.957 | 228 | 217291 | 10.289 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.922 | 252 | 65021 | 9.833 | ng | 99 |
| 83) Chrysene | 13.992 | 228 | 204080 | 10.421 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.951 | 149 | 139099 | 10.789 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.580 | 149 | 195129 | 9.676 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.874 | 276 | 177554 | 9.708 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.010 | 252 | 193558 | 11.130 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.039 | 252 | 155925 | 10.012 | ng | 99 |
| 90) Benzo(a)pyrene | 15.374 | 252 | 148214 | 9.972 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 16.898 | 278 | 140143 | 9.559 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.315 | 276 | 150453 | 9.756 | ng | 99 |

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

ICAL Form

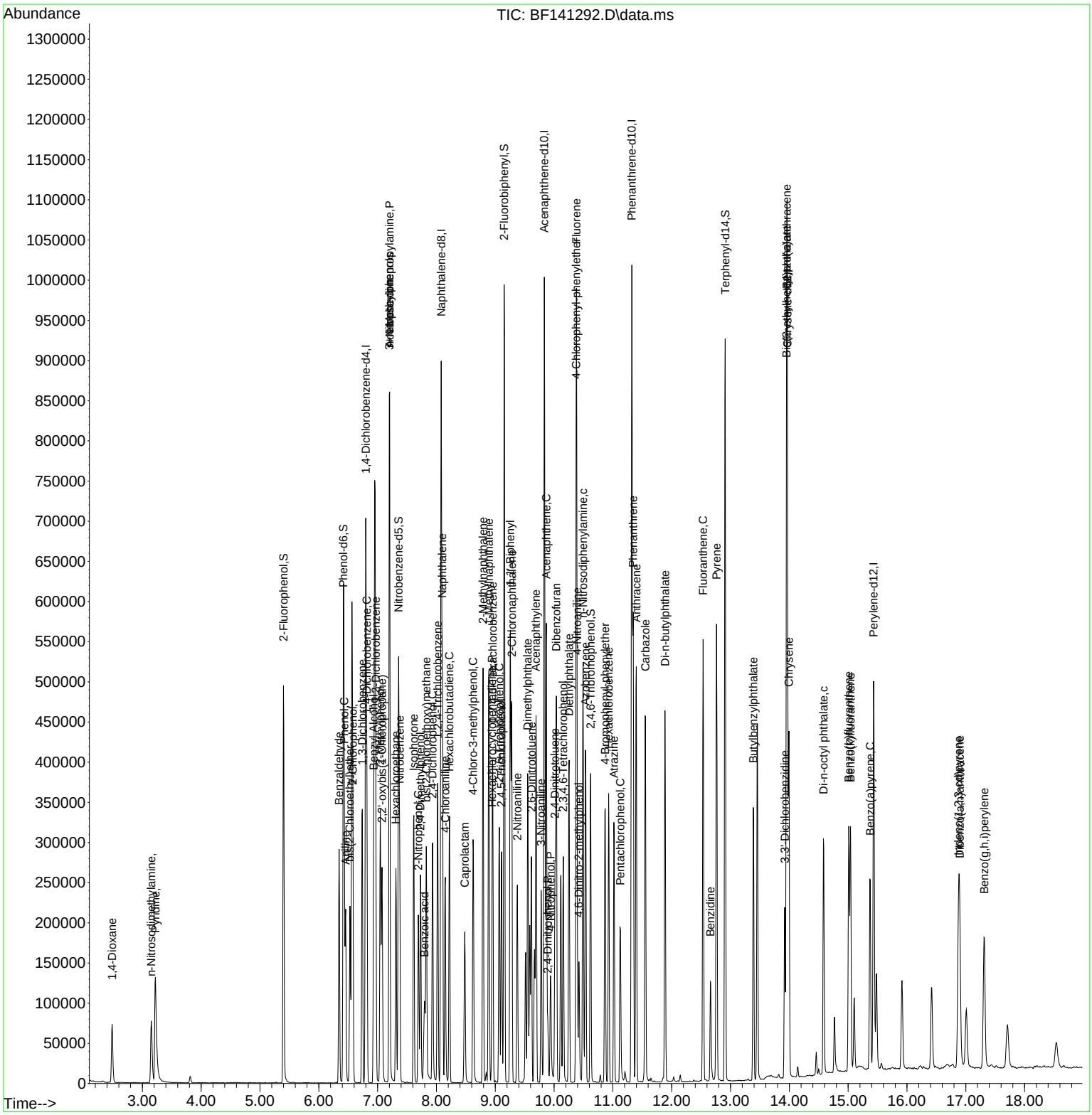
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141292.D
Acq On : 29 Jan 2025 11:49
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

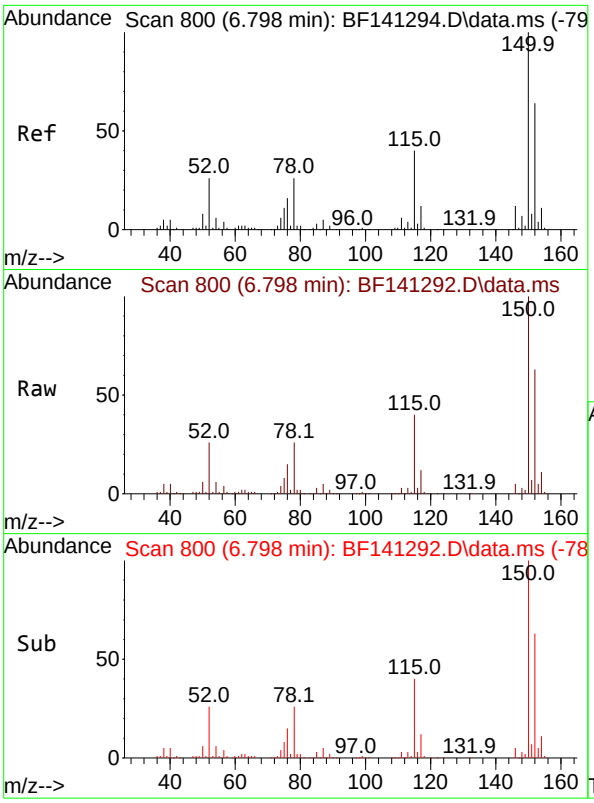
Quant Time: Jan 29 16:29:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

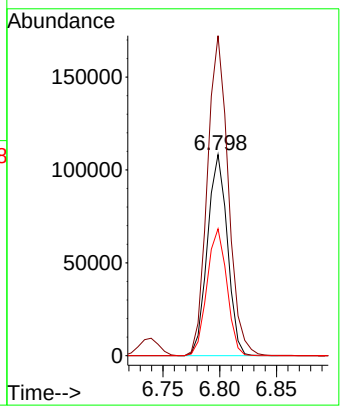





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8(
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:152 Resp: 13220(

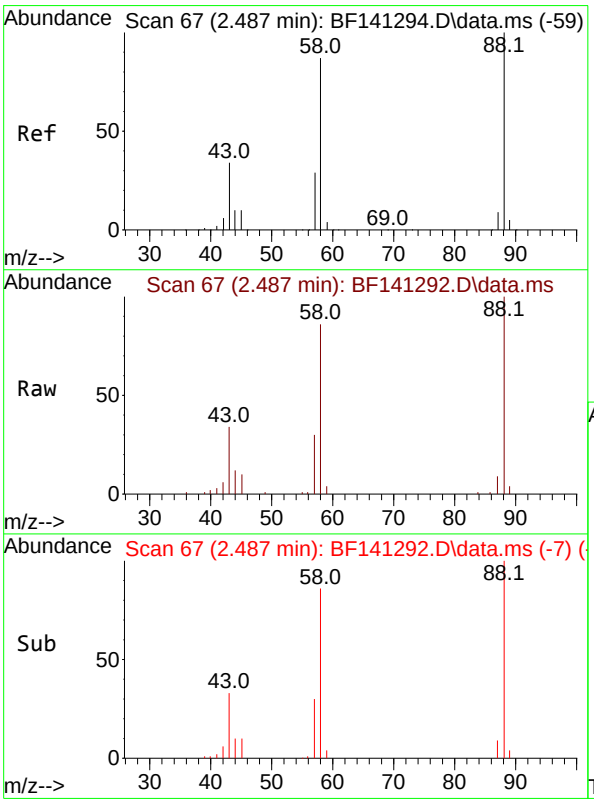
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.1 | 125.9 | 188.9 |
| 115 | 63.1 | 49.7 | 74.5 |




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

**Manual Integrations**
**APPROVED**

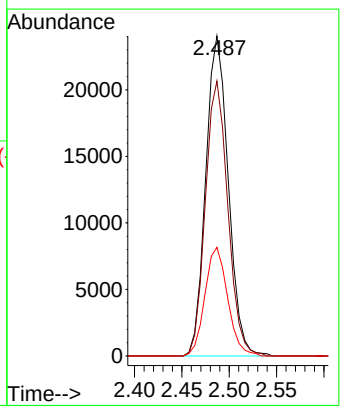
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

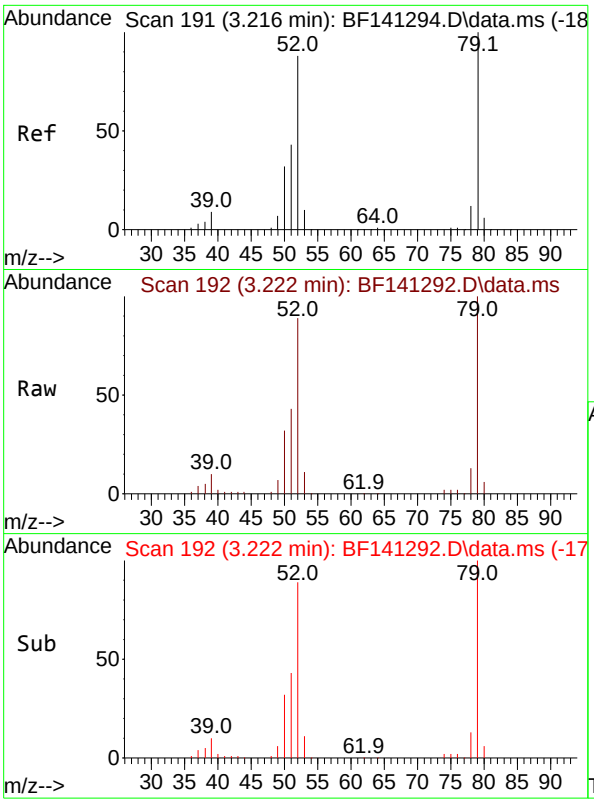



#2
1,4-Dioxane
Concen: 10.497 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 88 Resp: 39830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 85.5 | 70.2 | 105.4 |
| 43 | 34.3 | 27.6 | 41.4 |

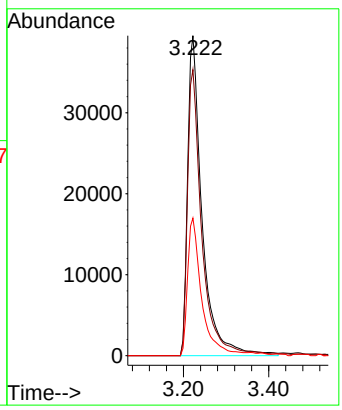





#3
Pyridine
Concen: 10.267 ng
RT: 3.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 79 Resp: 9317

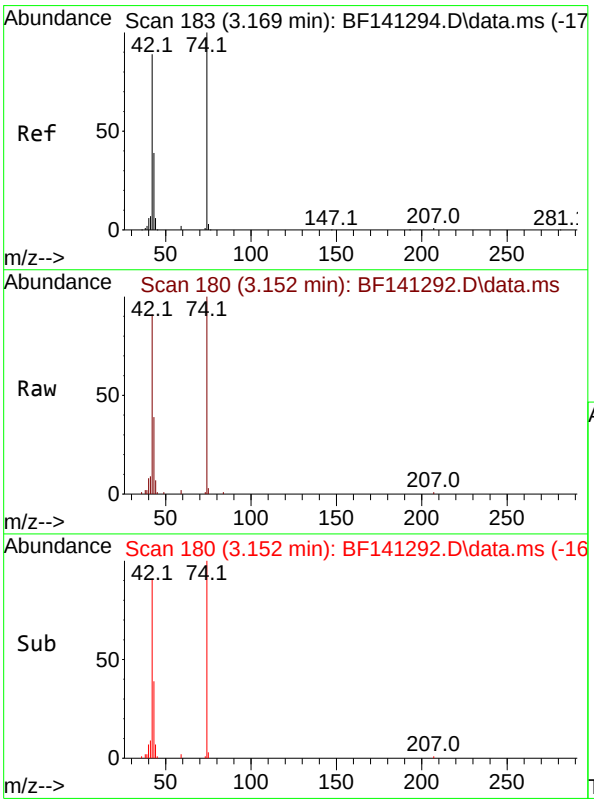
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 89.4 | 70.3 | 105.5 |
| 51 | 43.0 | 34.3 | 51.5 |




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

**Manual Integrations**
**APPROVED**

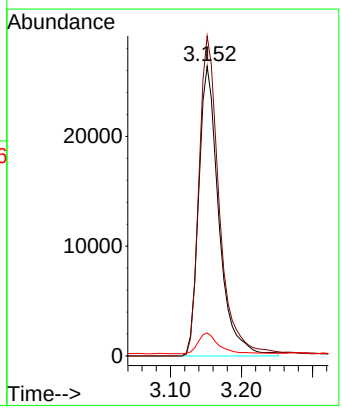
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

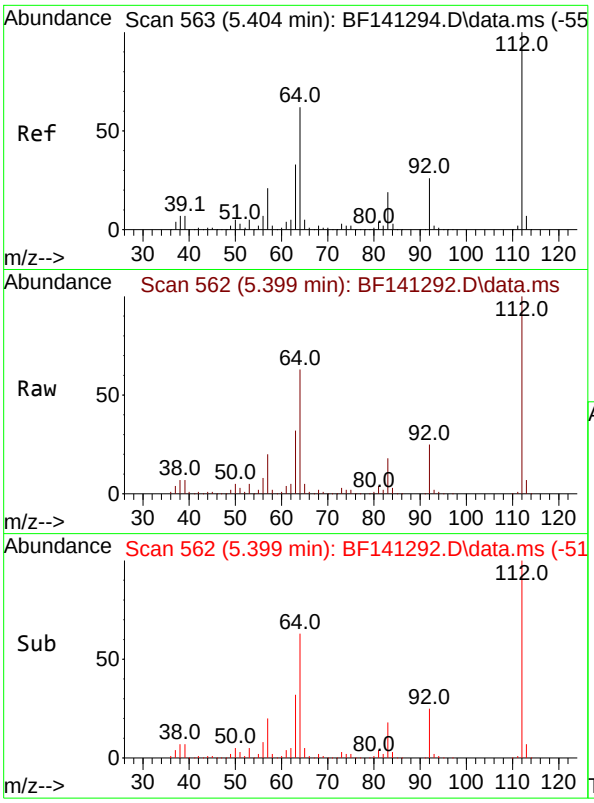



#4
n-Nitrosodimethylamine
Concen: 10.036 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.017 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 42 Resp: 52157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 110.5 | 90.3 | 135.5 |
| 44 | 8.0 | 5.7 | 8.5 |

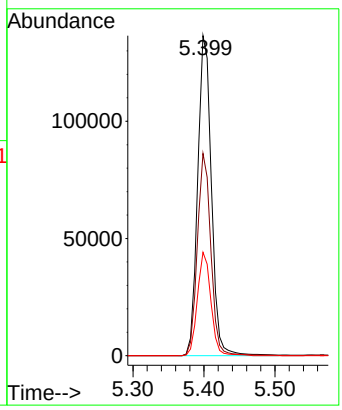





#5
2-Fluorophenol
Concen: 21.507 ng
RT: 5.399 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:112 Resp: 18384

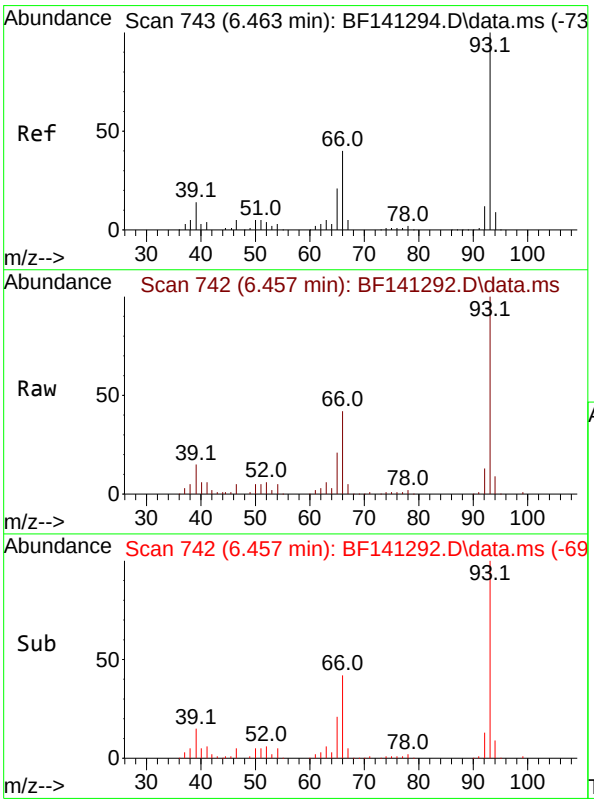
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.2 | 49.8 | 74.8 |
| 63 | 32.3 | 26.1 | 39.1 |




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

**Manual Integrations**
**APPROVED**

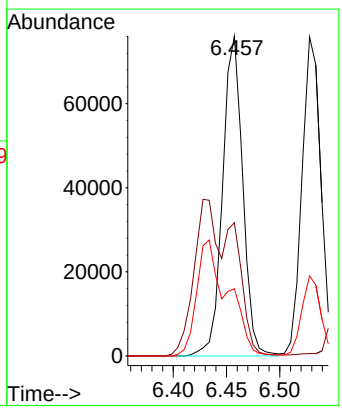
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

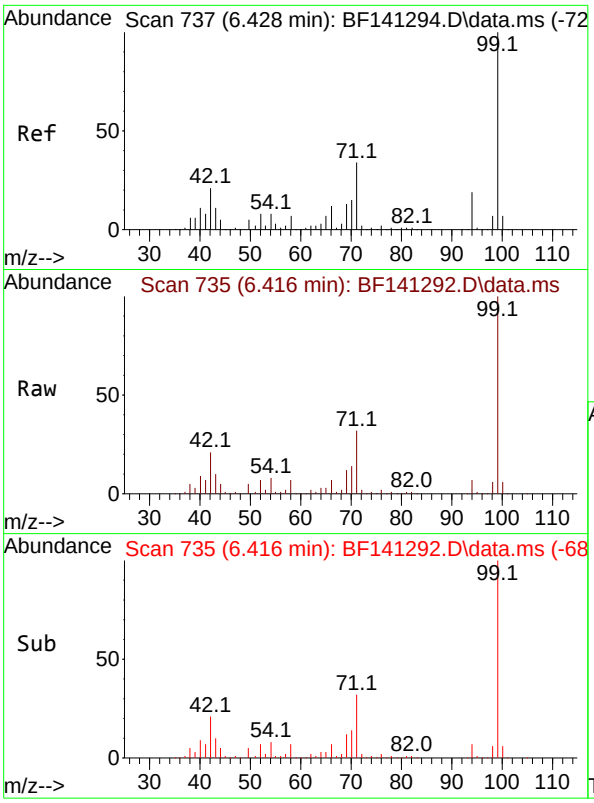



#6
Aniline
Concen: 10.968 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 93 Resp: 99872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 41.7 | 32.5 | 48.7 |
| 65 | 21.0 | 17.0 | 25.6 |

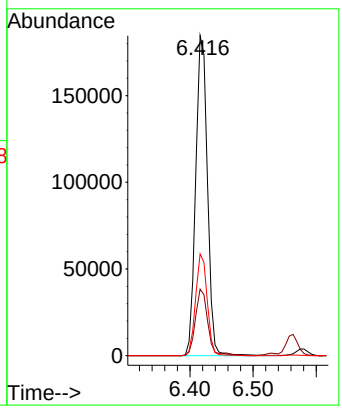





#7
Phenol-d6
Concen: 21.836 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 99 Resp: 23790

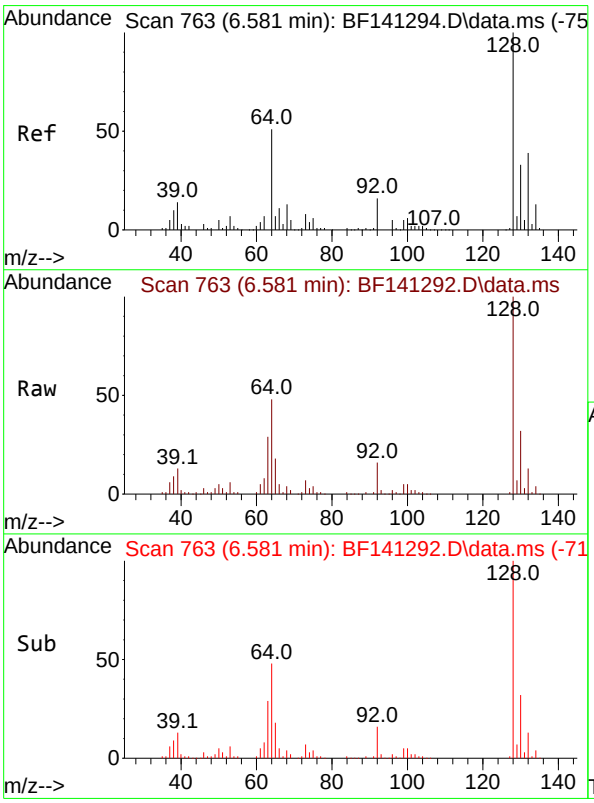
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.8 | 17.1 | 25.7 |
| 71 | 31.8 | 26.9 | 40.3 |




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

**Manual Integrations**
**APPROVED**

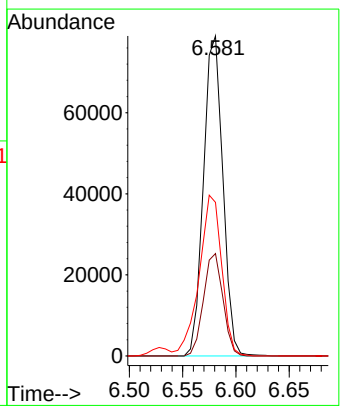
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

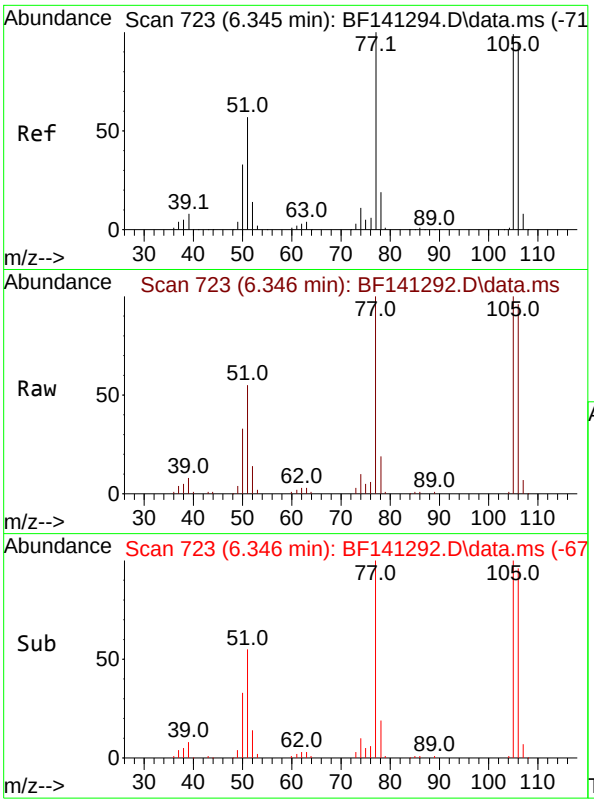



#8
2-Chlorophenol
Concen: 10.871 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:128 Resp: 99805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.0 | 12.5 | 52.5 |
| 64 | 48.0 | 32.9 | 72.9 |

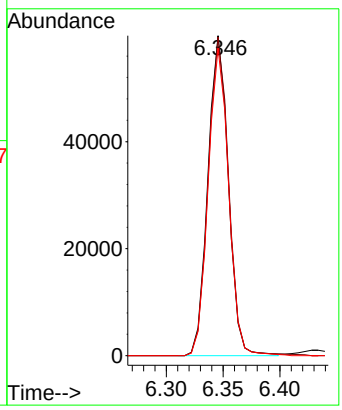





#9
Benzaldehyde
Concen: 11.803 ng
RT: 6.346 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 77 Resp: 7467

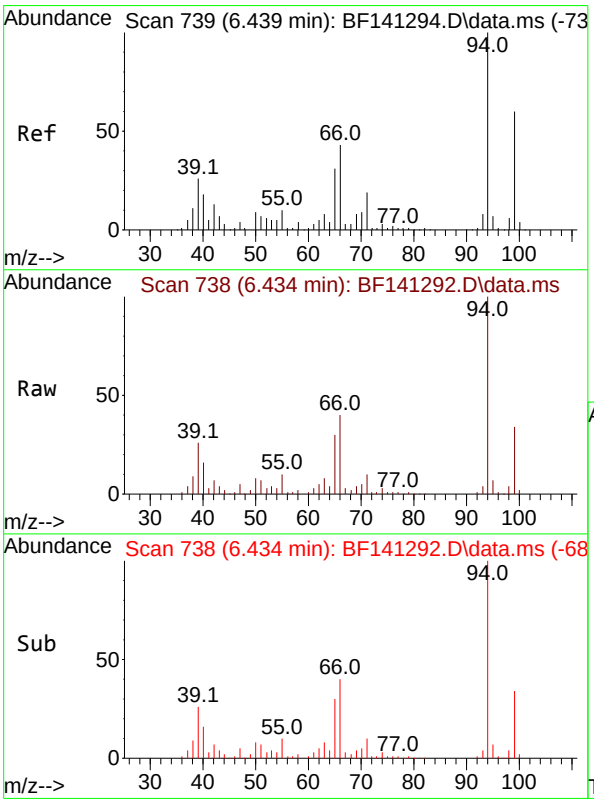
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.6 | 79.4 | 119.4 |
| 106 | 96.1 | 74.6 | 114.6 |




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

**Manual Integrations**
**APPROVED**

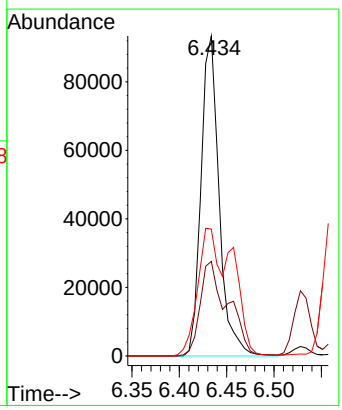
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

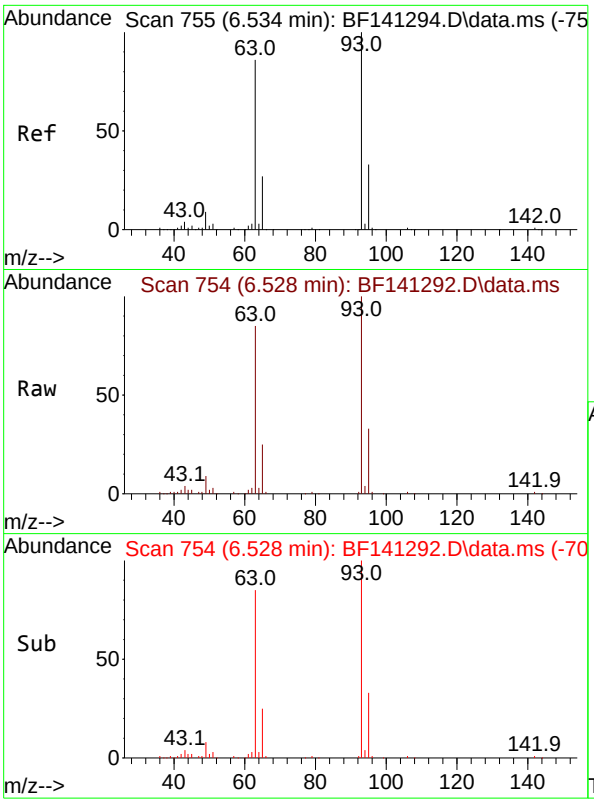



#10
Phenol
Concen: 10.775 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 94 Resp: 124196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.5 | 10.8 | 50.8 |
| 66 | 39.7 | 23.3 | 63.3 |

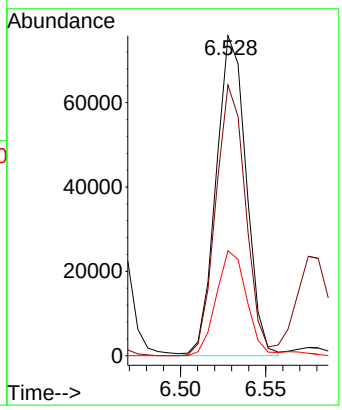





#11
bis(2-Chloroethyl)ether
Concen: 10.533 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 93 Resp: 9336

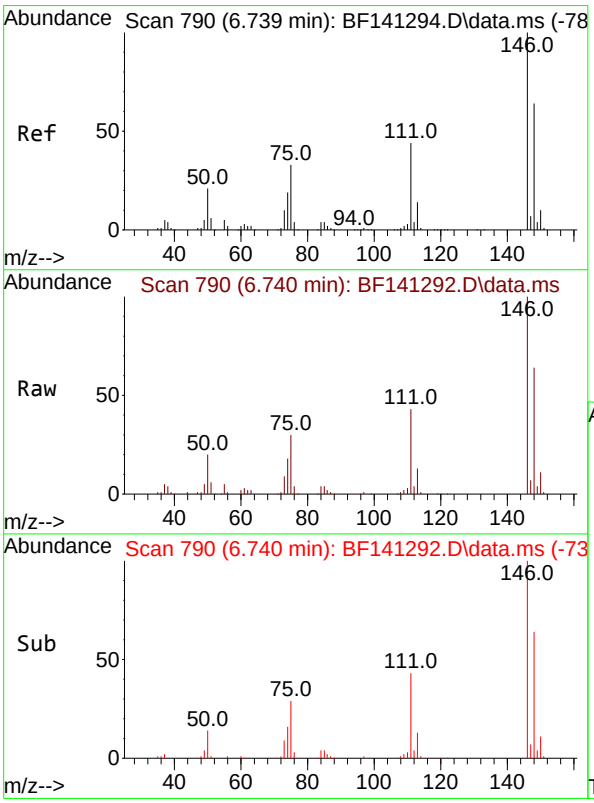
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 84.6 | 65.0 | 105.0 |
| 95 | 32.8 | 12.4 | 52.4 |




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

**Manual Integrations**
**APPROVED**

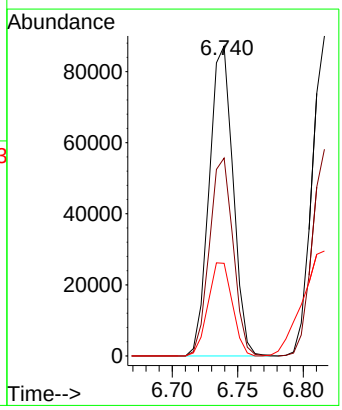
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

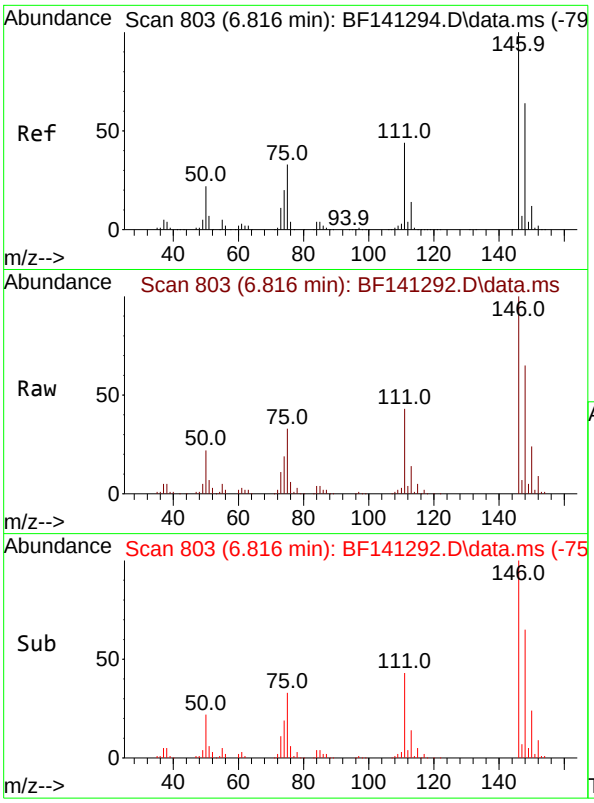



#12
1,3-Dichlorobenzene
Concen: 10.891 ng
RT: 6.740 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:146 Resp: 110278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.2 | 76.8 |
| 75 | 29.9 | 26.2 | 39.4 |

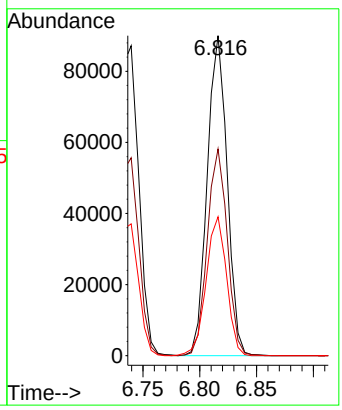





#13
1,4-Dichlorobenzene
Concen: 10.784 ng
RT: 6.816 min Scan# 8(
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:146 Resp: 10995(

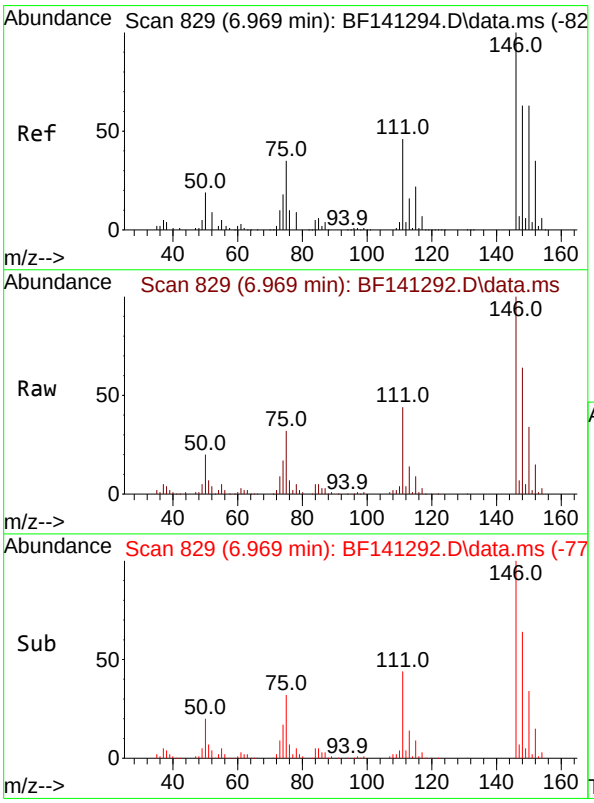
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.2 | 76.8 |
| 111 | 43.4 | 35.0 | 52.4 |




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

**Manual Integrations**
**APPROVED**

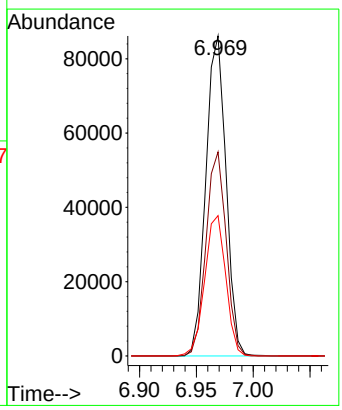
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

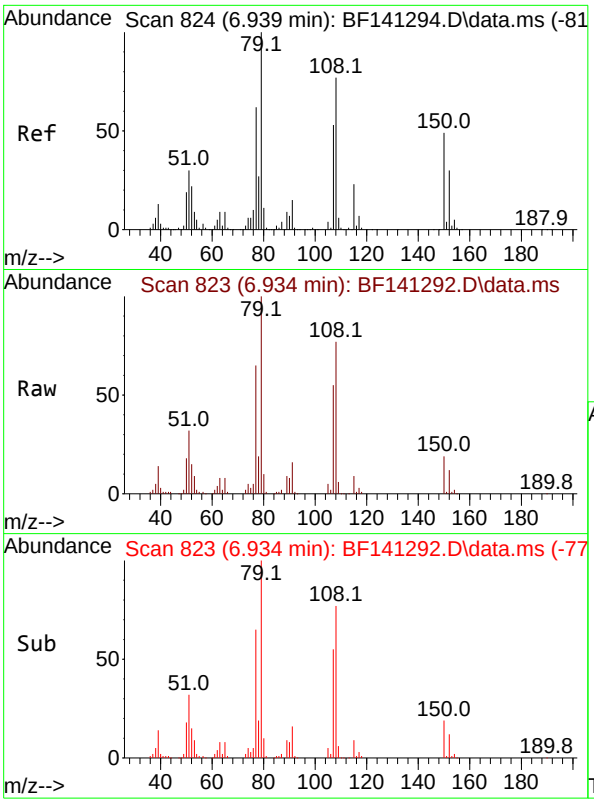



#14
1,2-Dichlorobenzene
Concen: 11.160 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:146 Resp: 106335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 50.5 | 75.7 |
| 111 | 43.8 | 36.6 | 55.0 |






#15
Benzyl Alcohol
Concen: 10.665 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

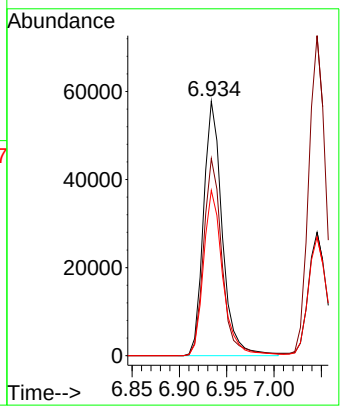
Tgt Ion: 79 Resp: 7937

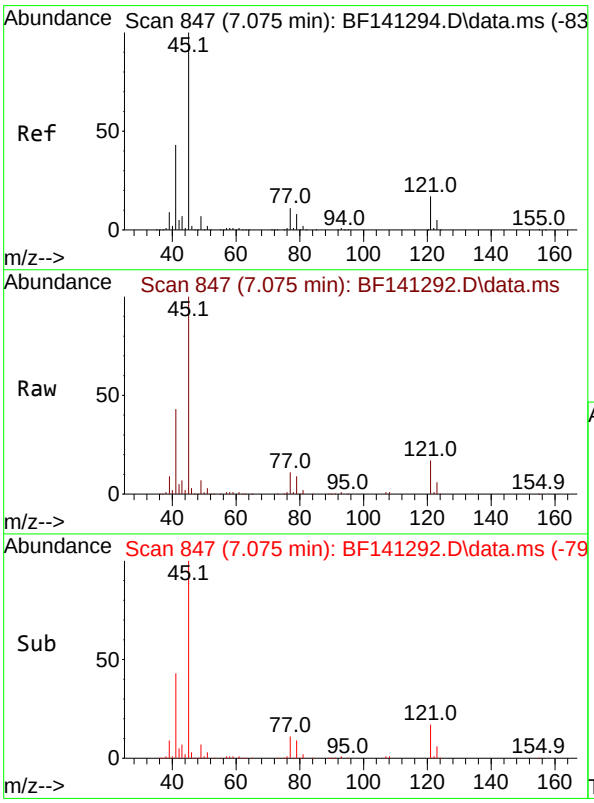
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 77.5 | 61.4 | 92.0 |
| 77 | 65.0 | 49.9 | 74.9 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

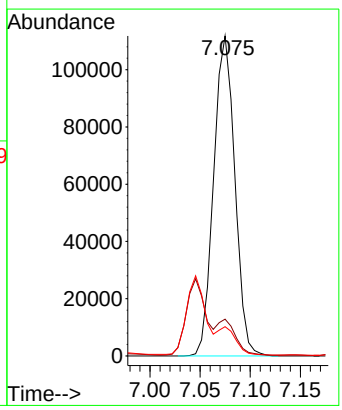


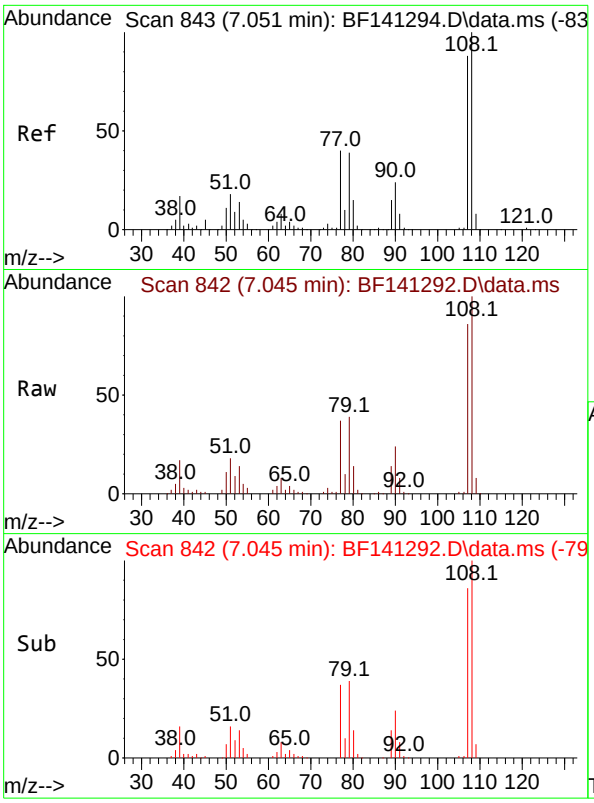




#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.661 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 45 Resp: 164185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 11.5 | 0.0 | 31.8 |
| 79 | 9.2 | 0.0 | 29.1 |

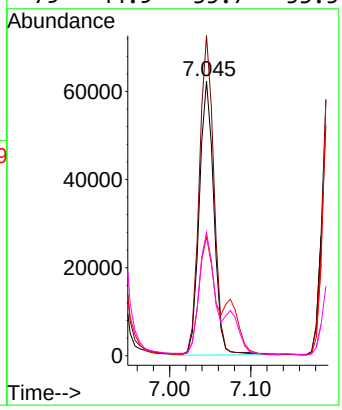





#17
2-Methylphenol
Concen: 10.446 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:107 Resp: 7764

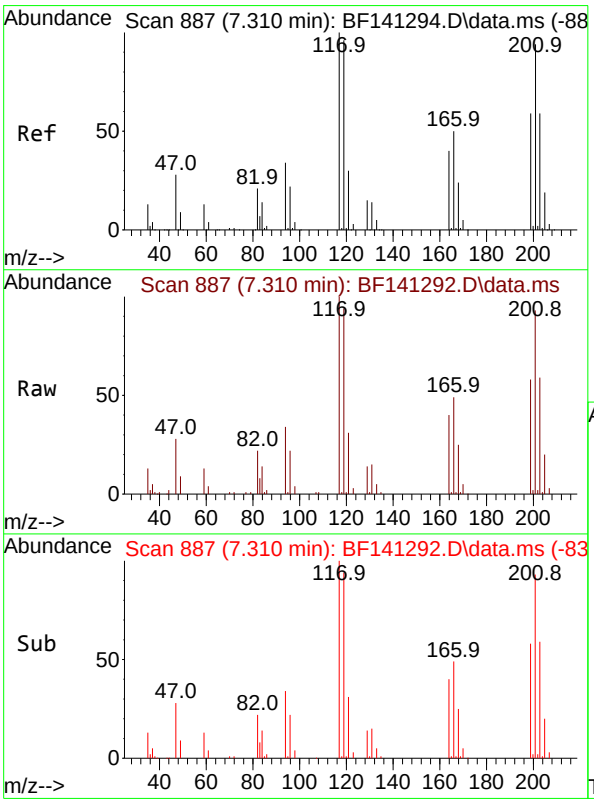
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 116.6 | 90.8 | 136.2 |
| 77 | 43.3 | 36.2 | 54.4 |
| 79 | 44.9 | 35.7 | 53.5 |




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

**Manual Integrations**
**APPROVED**

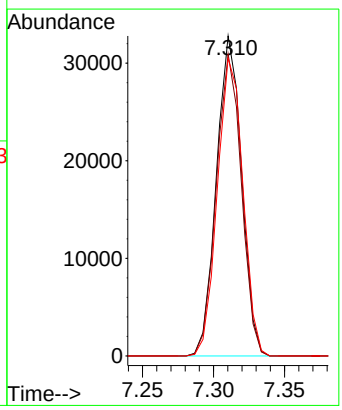
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

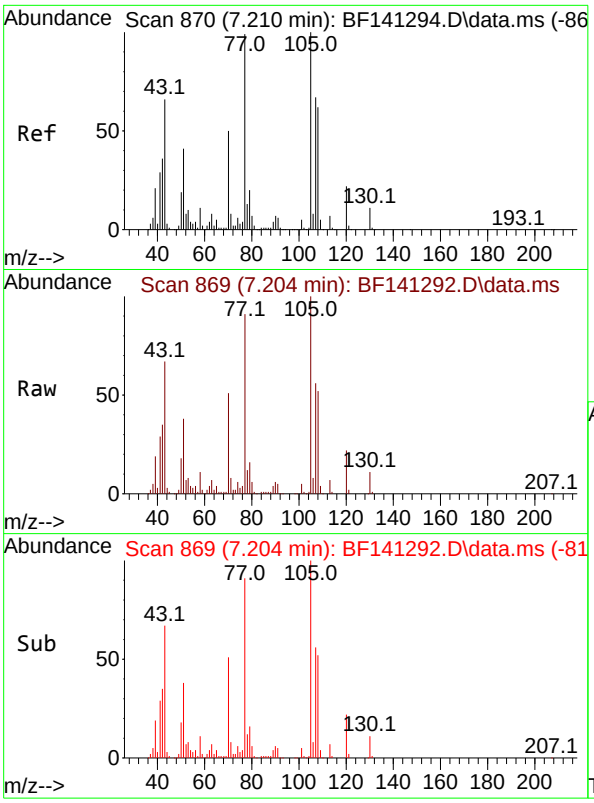



#18
Hexachloroethane
Concen: 10.721 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:117 Resp: 40445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.3 | 76.6 | 114.8 |
| 201 | 93.1 | 74.8 | 112.2 |

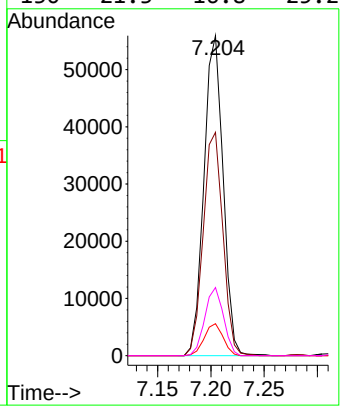





#19
n-Nitroso-di-n-propylamine
Concen: 10.815 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 70 Resp: 7007

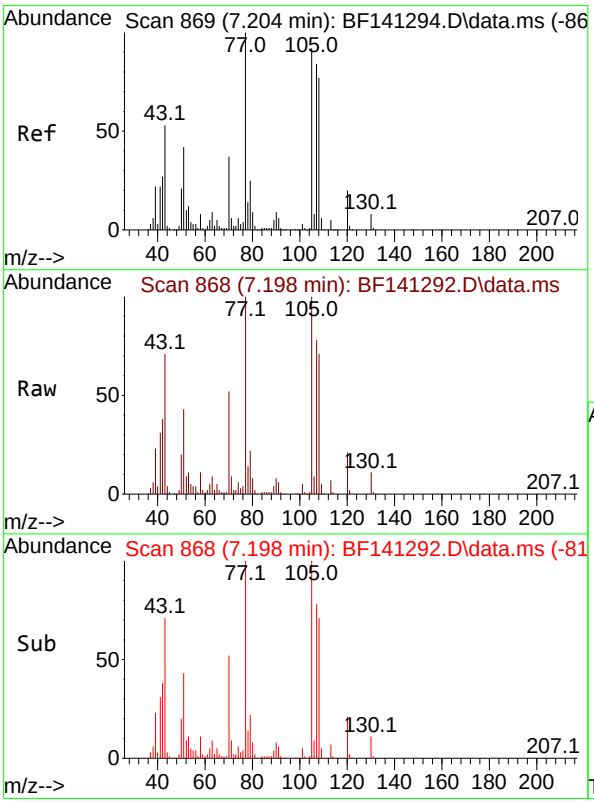
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 69.8 | 56.8 | 85.2 |
| 101 | 10.0 | 7.7 | 11.5 |
| 130 | 21.3 | 16.8 | 25.2 |




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

**Manual Integrations**
**APPROVED**

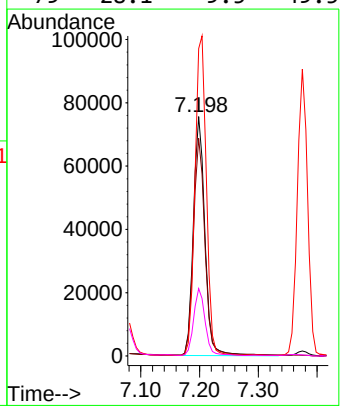
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

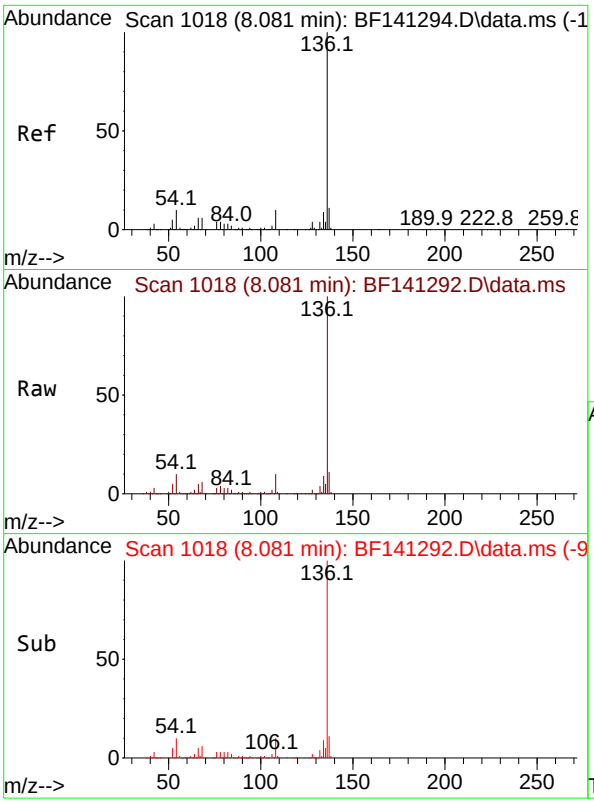



#20
3+4-Methylphenols
Concen: 11.310 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:107 Resp: 103360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.0 | 70.9 | 110.9 |
| 77 | 128.4 | 98.5 | 138.5 |
| 79 | 28.1 | 9.5 | 49.5 |

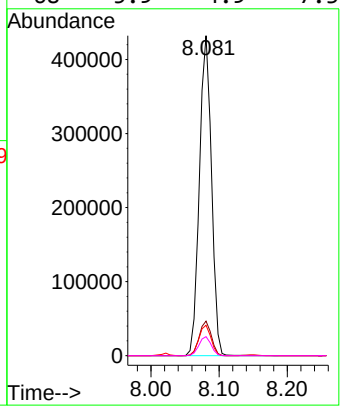





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:136 Resp: 53332(

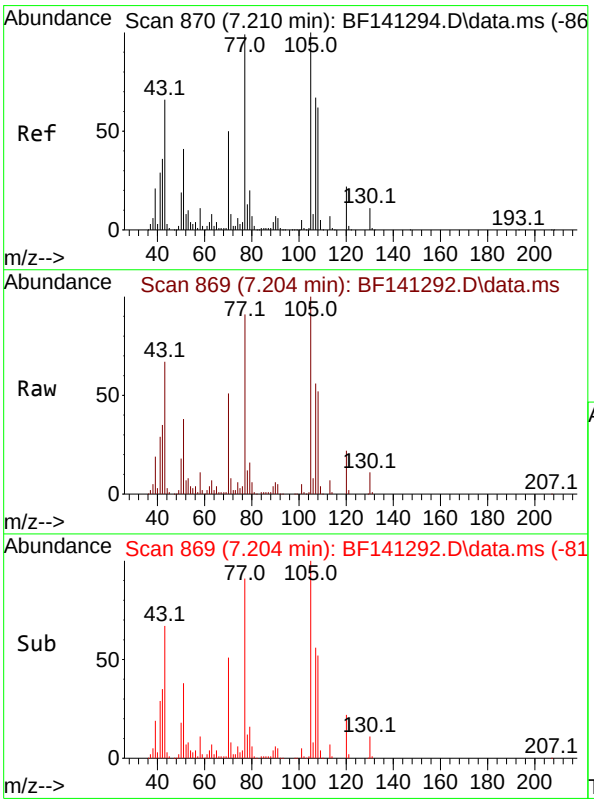
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.6 | 13.0 |
| 54 | 9.5 | 7.8 | 11.8 |
| 68 | 5.9 | 4.9 | 7.3 |




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

**Manual Integrations**
**APPROVED**

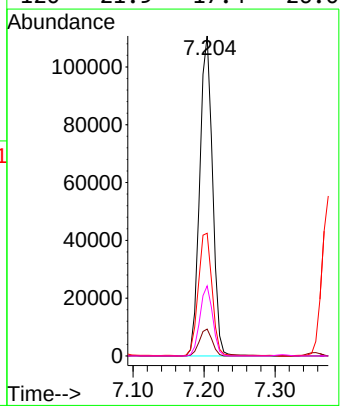
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

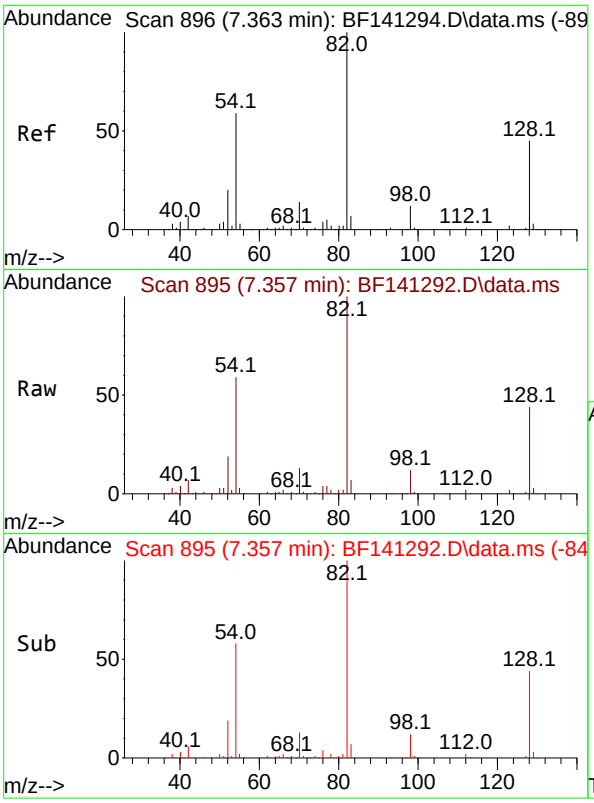



#22
Acetophenone
Concen: 11.036 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:105 Resp: 139527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.4 | 6.8 | 10.2 |
| 51 | 38.3 | 32.6 | 49.0 |
| 120 | 21.9 | 17.4 | 26.0 |






#23
Nitrobenzene-d5
Concen: 20.937 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

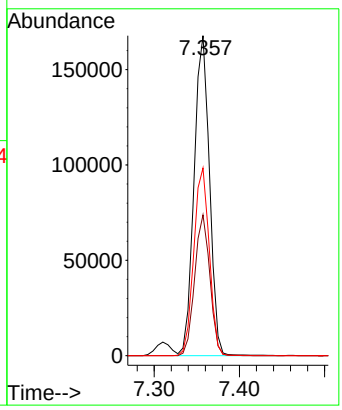
Tgt Ion: 82 Resp: 21104

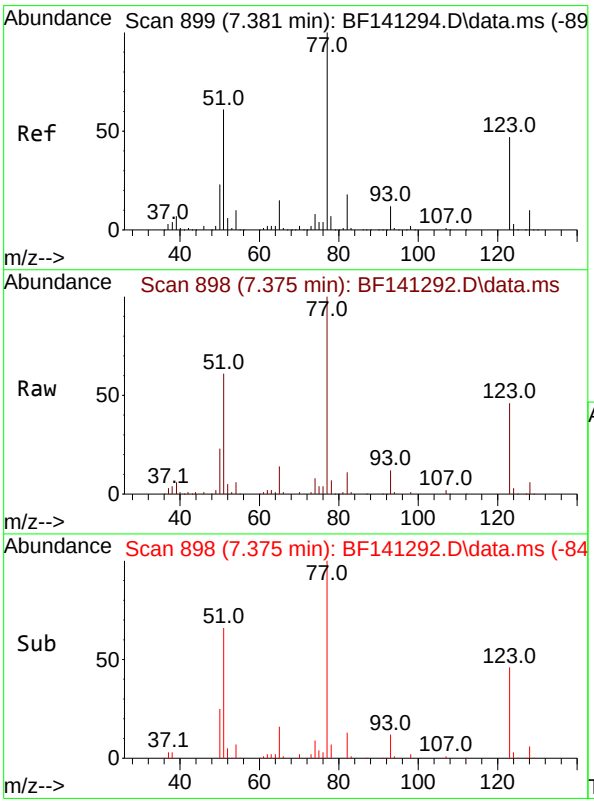
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.0 | 35.7 | 53.5 |
| 54 | 58.7 | 47.1 | 70.7 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

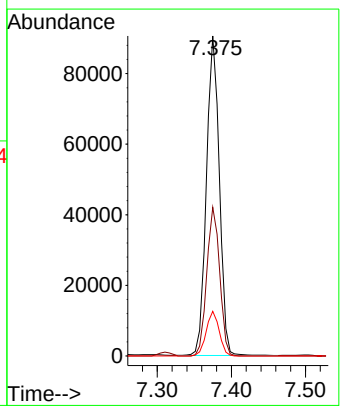


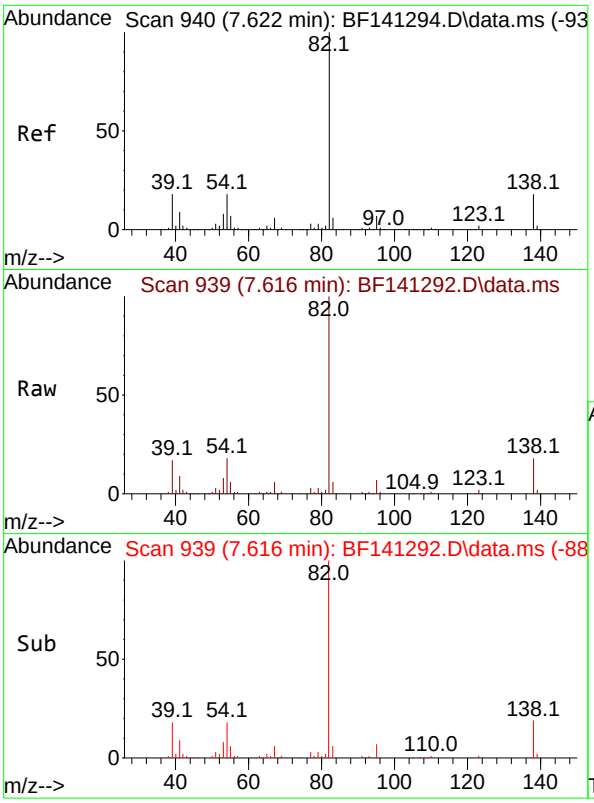




#24
Nitrobenzene
Concen: 10.474 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 77 Resp: 109497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.5 | 37.3 | 55.9 |
| 65 | 14.0 | 11.8 | 17.6 |

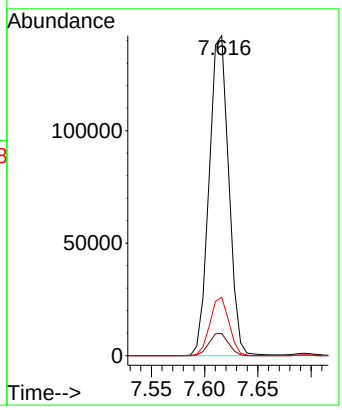





#25
Isophorone
Concen: 10.480 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 82 Resp: 18256

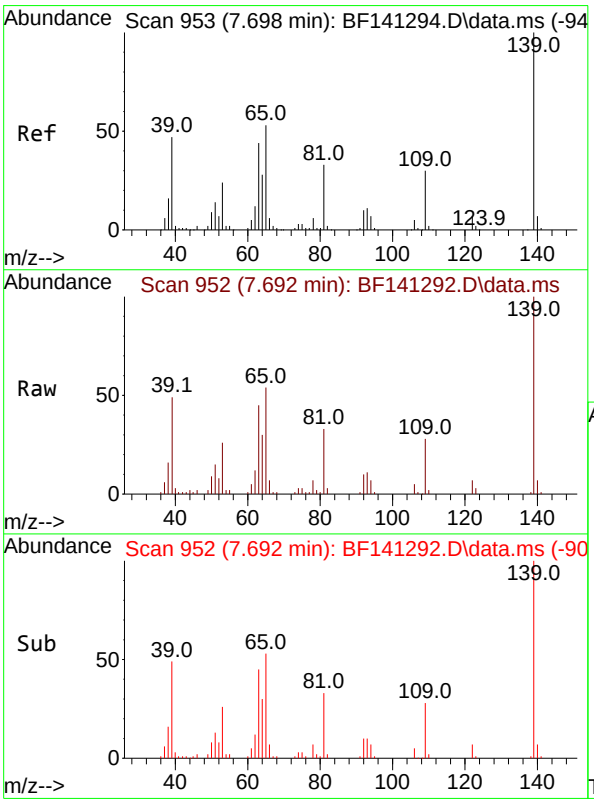
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.9 | 5.8 | 8.6 |
| 138 | 18.2 | 14.7 | 22.1 |




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

**Manual Integrations**
**APPROVED**

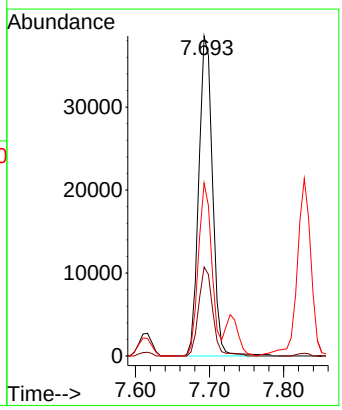
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

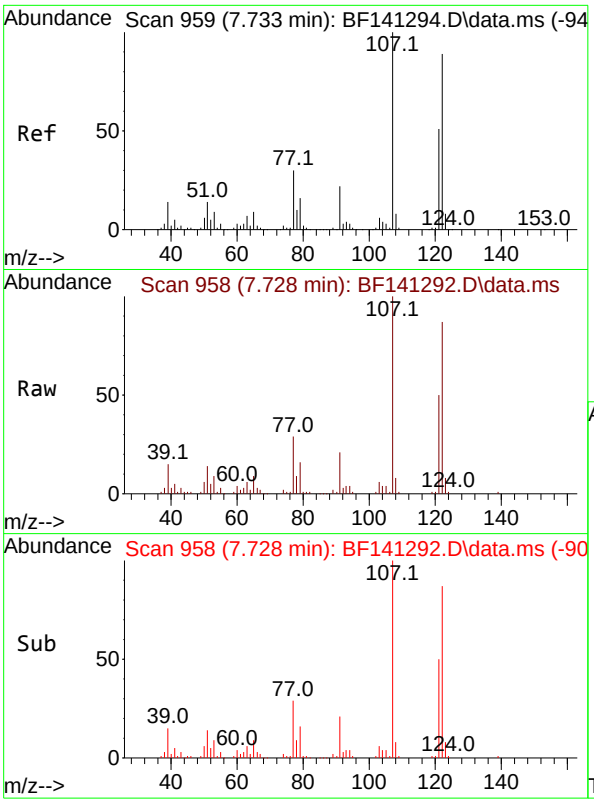



#26
2-Nitrophenol
Concen: 10.167 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:139 Resp: 49783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 27.8 | 23.8 | 35.6 |
| 65 | 54.0 | 42.2 | 63.4 |

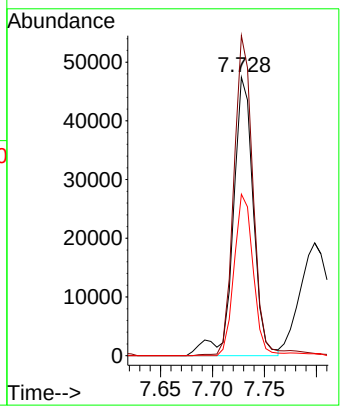





#27
2,4-Dimethylphenol
Concen: 10.177 ng m
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:122 Resp: 6368

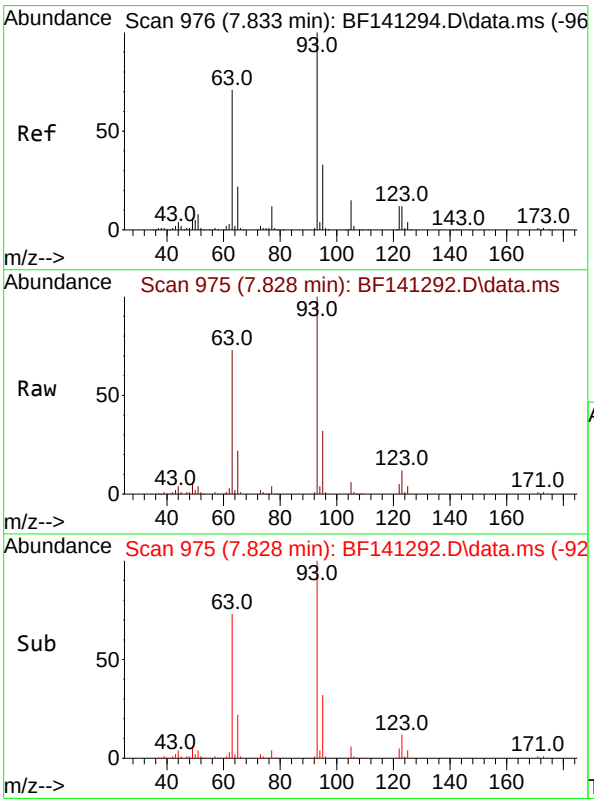
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.9 | 89.9 | 134.9 |
| 121 | 58.0 | 46.1 | 69.1 |




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

**Manual Integrations**
**APPROVED**

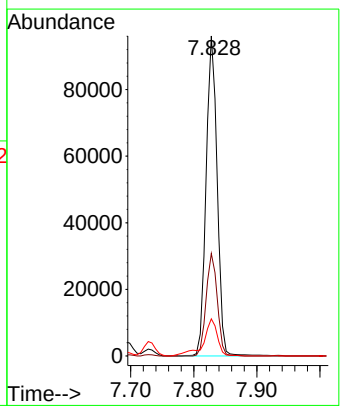
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

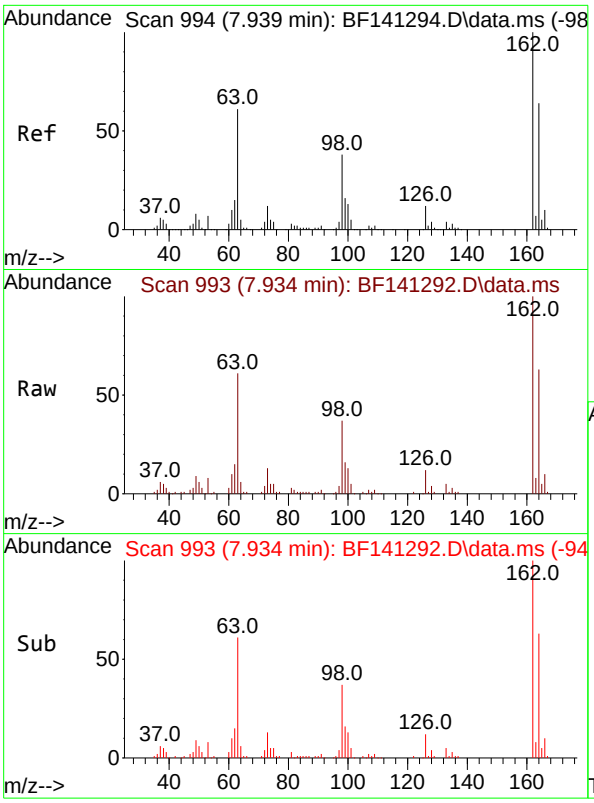



#28
bis(2-Chloroethoxy)methane
Concen: 10.561 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 93 Resp: 117232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.0 | 26.2 | 39.2 |
| 123 | 11.6 | 10.2 | 15.4 |

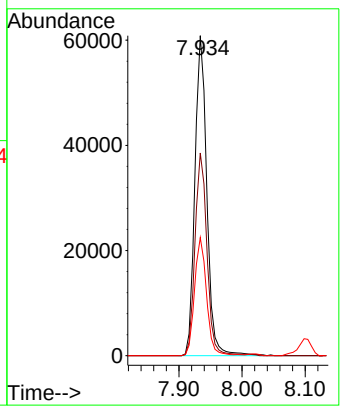





#29
2,4-Dichlorophenol
Concen: 10.457 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:162 Resp: 7994

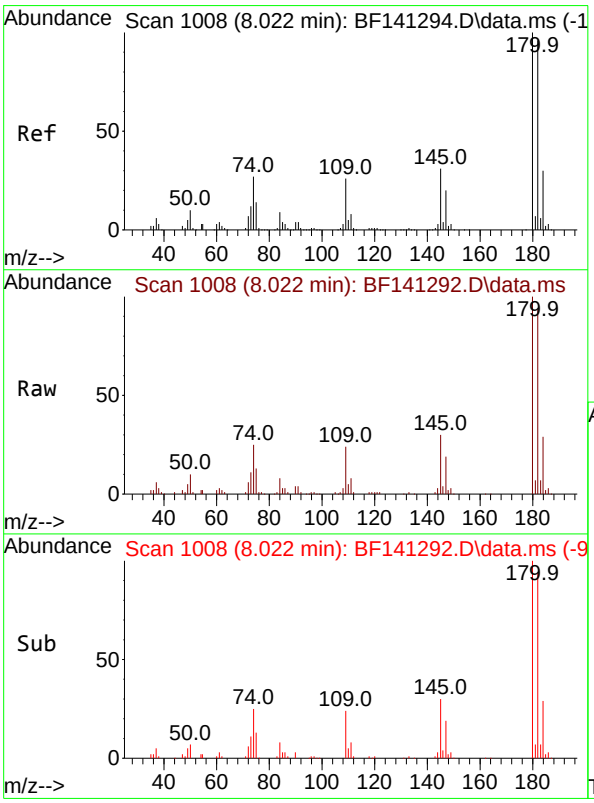
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.4 | 44.2 | 84.2 |
| 98 | 36.9 | 18.2 | 58.2 |




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

**Manual Integrations**
**APPROVED**

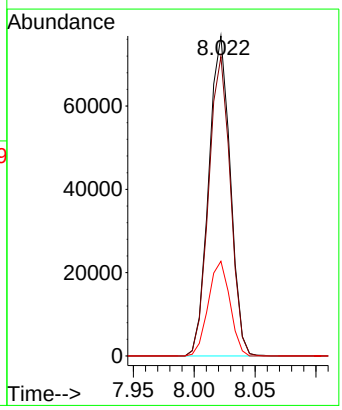
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

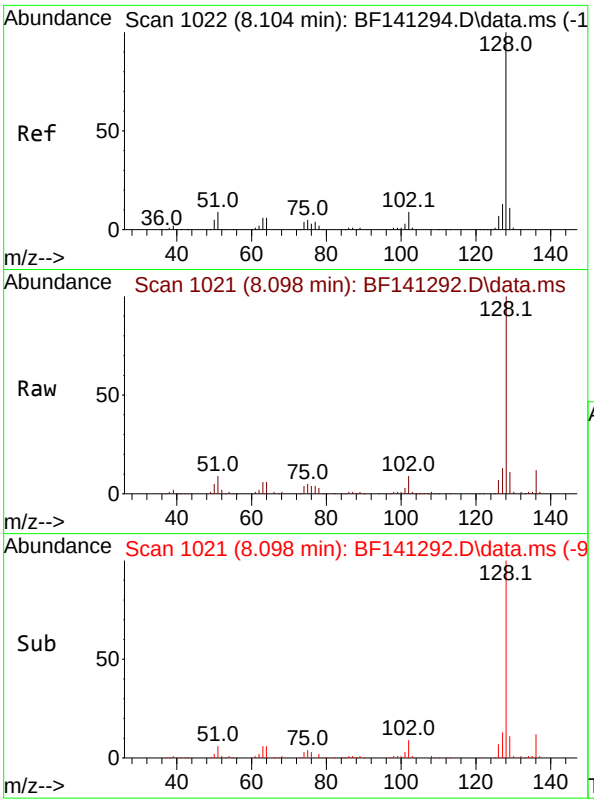



#30
1,2,4-Trichlorobenzene
Concen: 10.767 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:180 Resp: 94419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.6 | 76.4 | 114.6 |
| 145 | 29.6 | 24.9 | 37.3 |






#31
Naphthalene
Concen: 10.887 ng
RT: 8.098 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

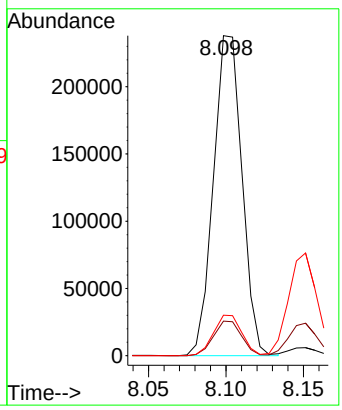
Tgt Ion:128 Resp: 30538(

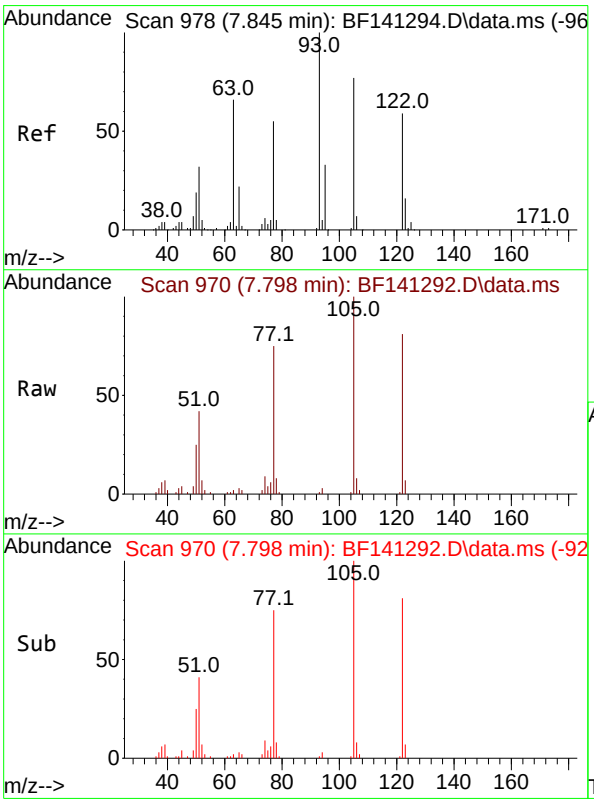
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.9 | 13.3 |
| 127 | 12.7 | 10.6 | 15.8 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

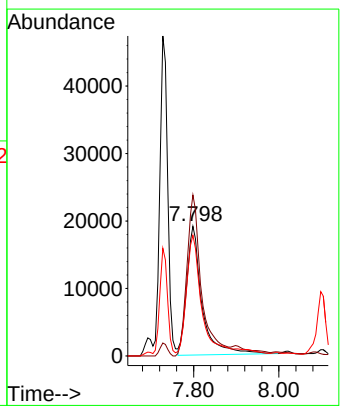


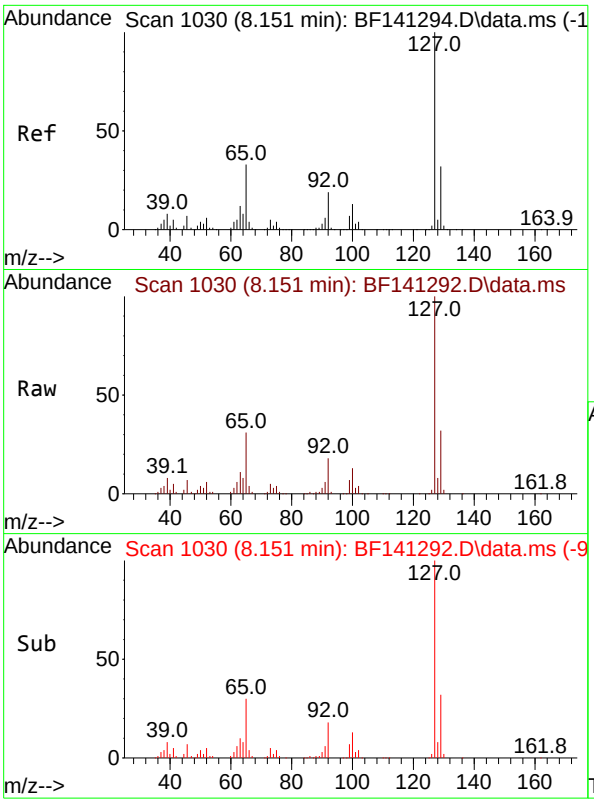




#32
Benzoic acid
Concen: 8.367 ng
RT: 7.798 min Scan# 970
Delta R.T. -0.047 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:122 Resp: 47549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.1 | 103.4 | 143.4 |
| 77 | 93.0 | 70.9 | 110.9 |

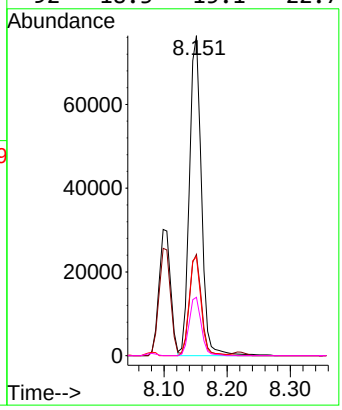





#33
4-Chloroaniline
Concen: 10.703 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:127 Resp: 10085

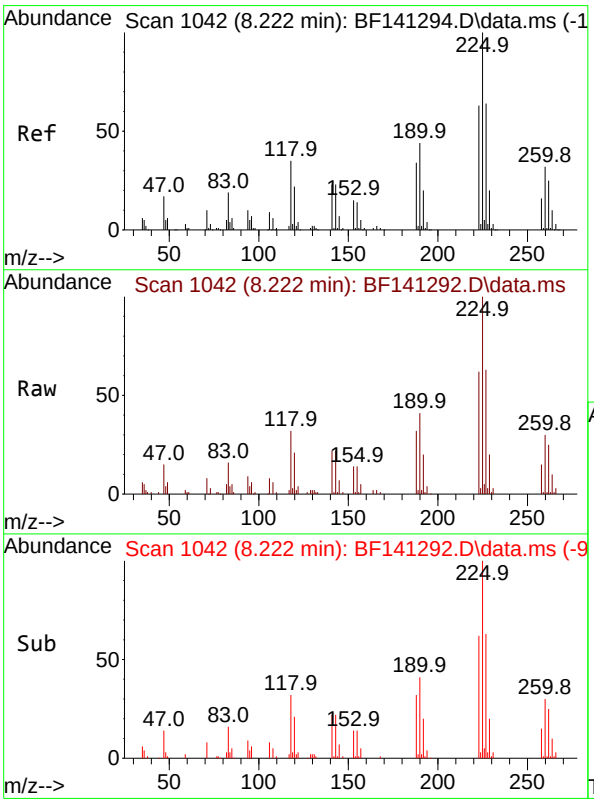
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.7 | 25.7 | 38.5 |
| 65 | 30.9 | 26.4 | 39.6 |
| 92 | 18.3 | 15.1 | 22.7 |




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

**Manual Integrations**
**APPROVED**

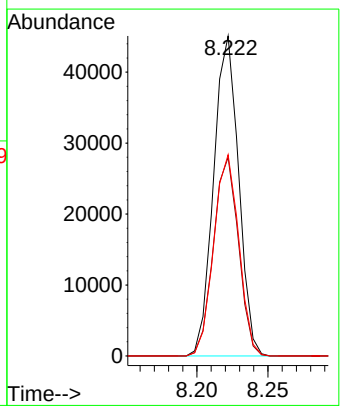
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

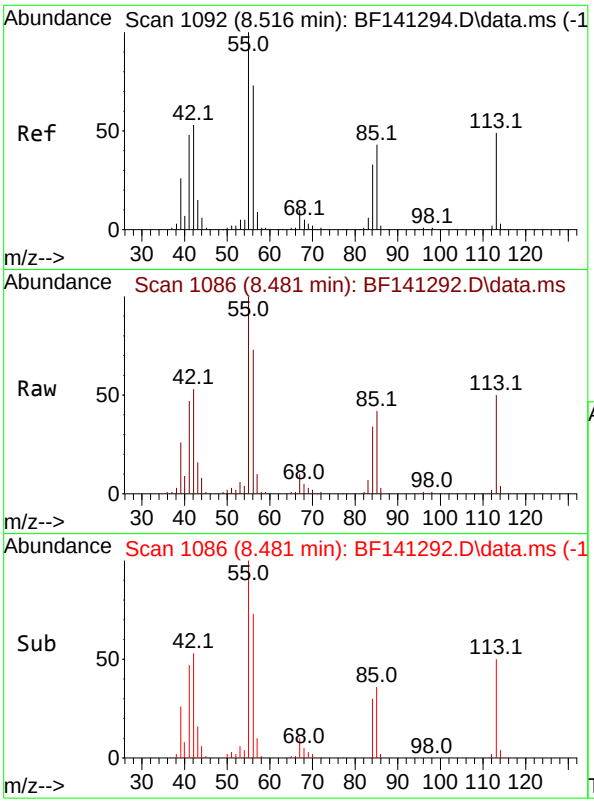



#34
Hexachlorobutadiene
Concen: 10.736 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:225 Resp: 55103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.0 | 50.4 | 75.6 |
| 227 | 62.9 | 51.3 | 76.9 |






#35
Caprolactam
Concen: 10.256 ng
RT: 8.481 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

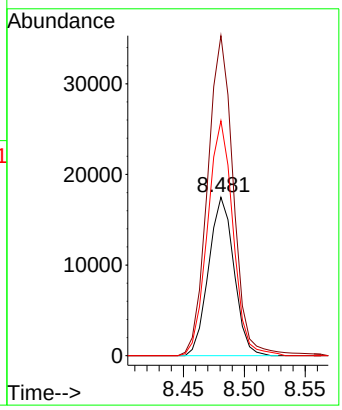
Tgt Ion:113 Resp: 2536

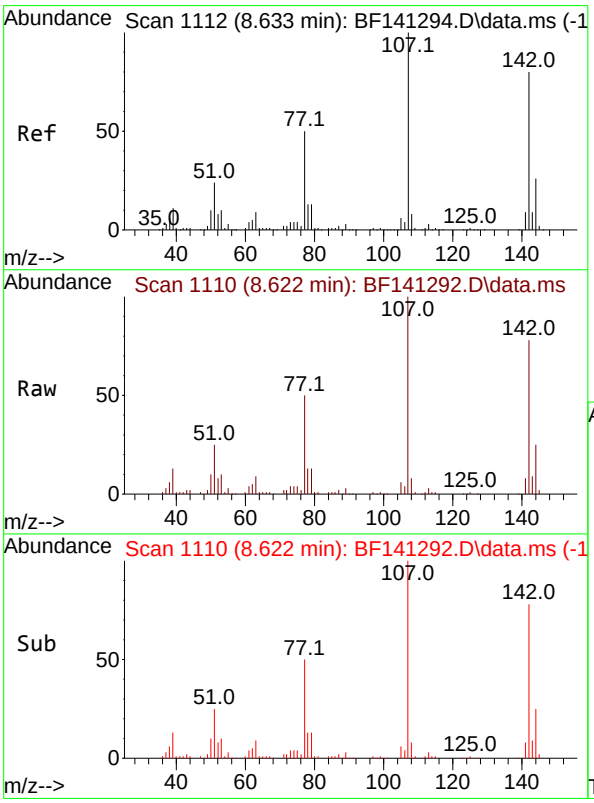
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 201.9 | 182.9 | 222.9 |
| 56 | 148.2 | 127.9 | 167.9 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

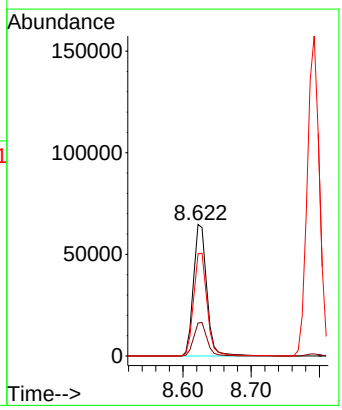


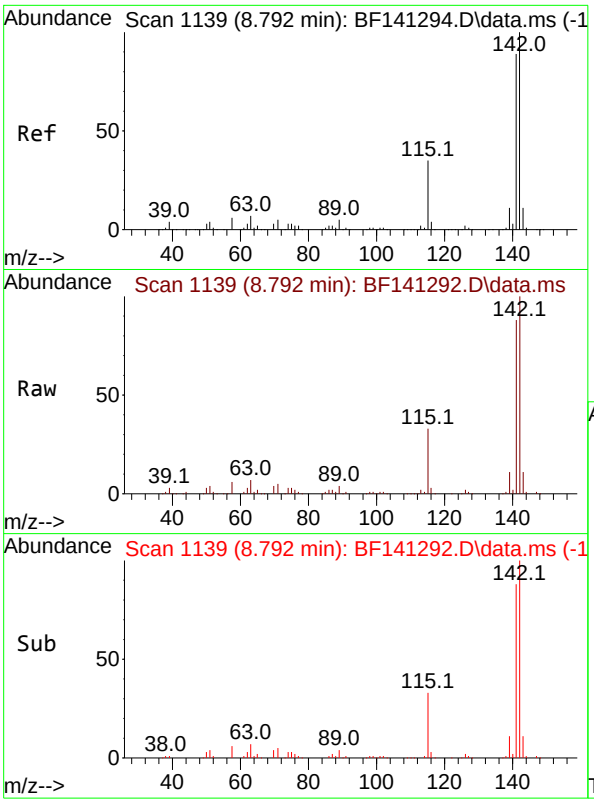




#36
4-Chloro-3-methylphenol
Concen: 10.674 ng
RT: 8.622 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:107 Resp: 87592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.1 | 20.7 | 31.1 |
| 142 | 77.6 | 63.8 | 95.8 |






#37
2-Methylnaphthalene
Concen: 10.925 ng
RT: 8.792 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

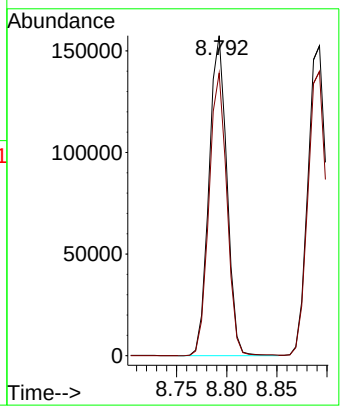
Tgt Ion:142 Resp: 19516

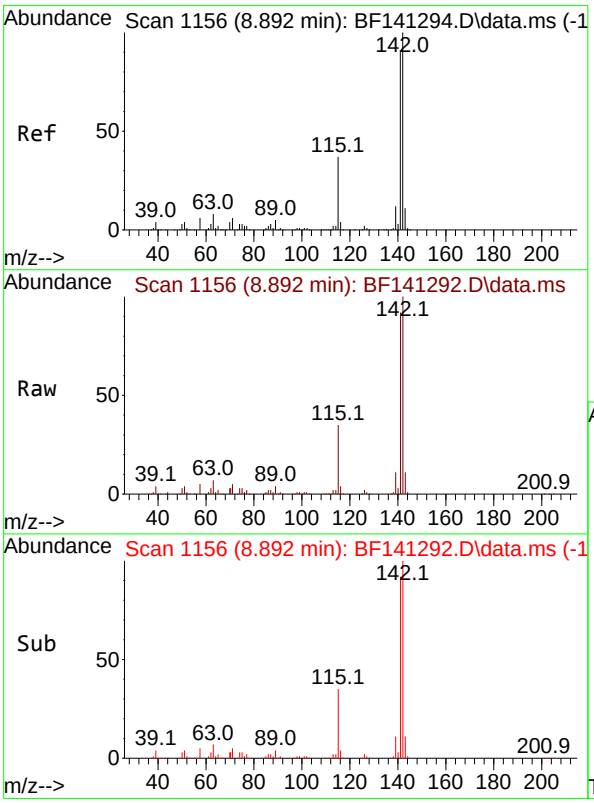
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.3 | 71.3 | 106.9 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

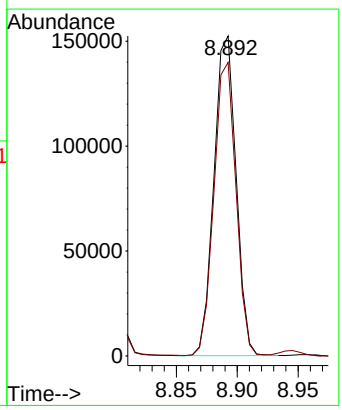


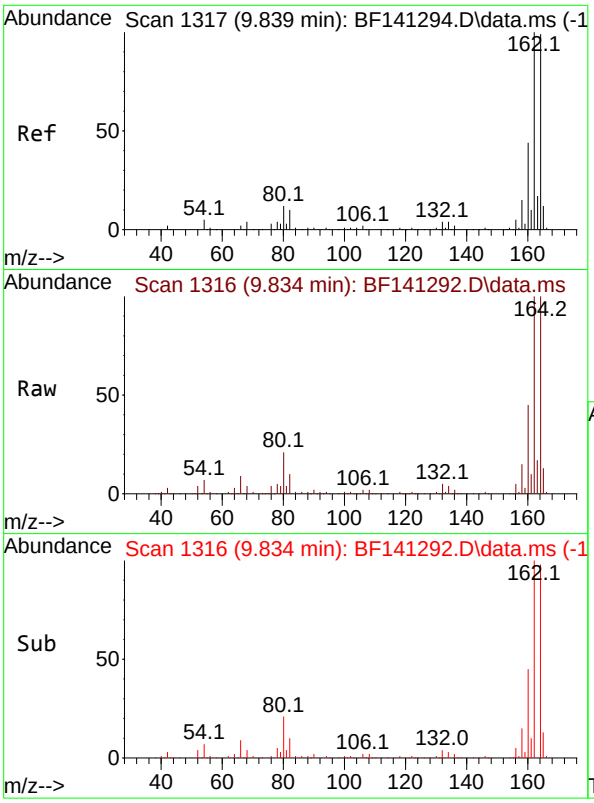




#38
1-Methylnaphthalene
Concen: 11.022 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:142 Resp: 192861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.7 | 73.2 | 109.8 |

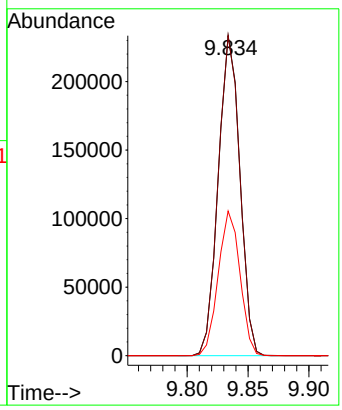





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:164 Resp: 28955

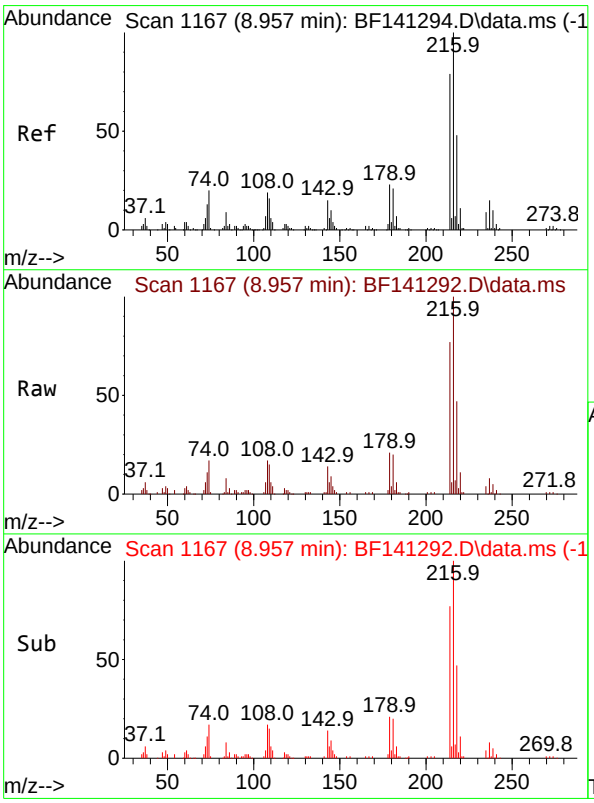
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.0 | 80.6 | 121.0 |
| 160 | 45.2 | 35.8 | 53.6 |




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

**Manual Integrations**
**APPROVED**

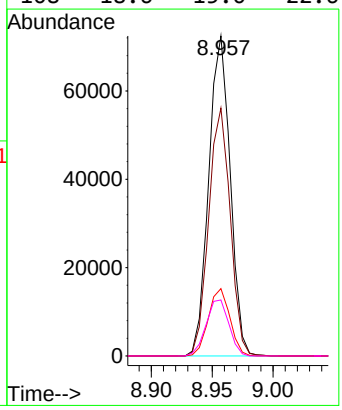
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

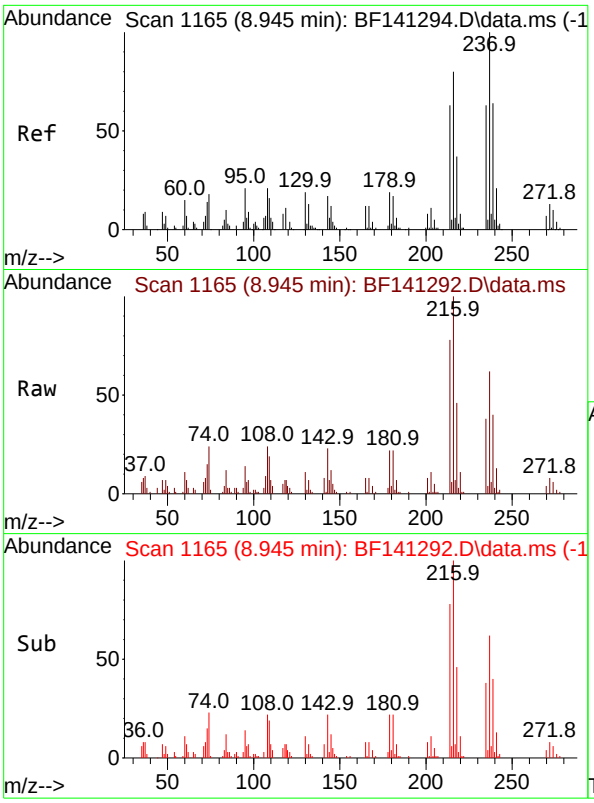



#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.775 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:216 Resp: 88710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 77.8 | 63.2 | 94.8 |
| 179 | 21.1 | 17.8 | 26.8 |
| 108 | 18.6 | 15.0 | 22.6 |






#41
Hexachlorocyclopentadiene
Concen: 9.212 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

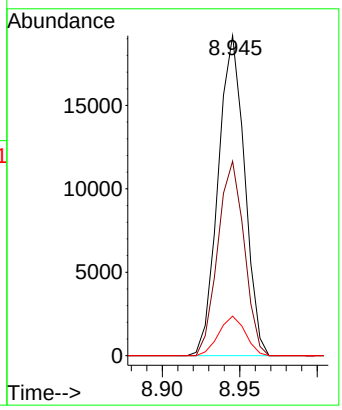
Tgt Ion:237 Resp: 2275

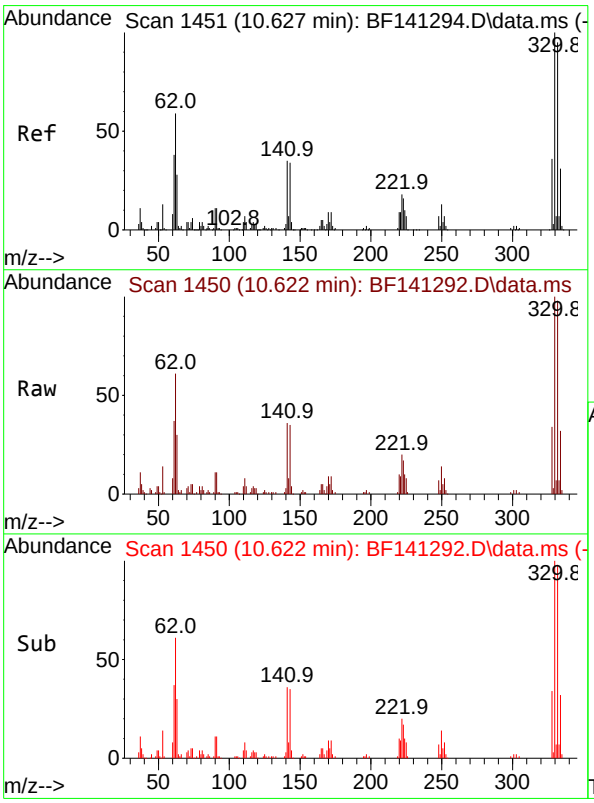
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 60.8 | 42.9 | 82.9 |
| 272 | 12.3 | 0.0 | 32.8 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

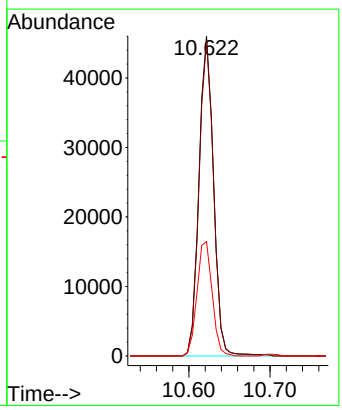


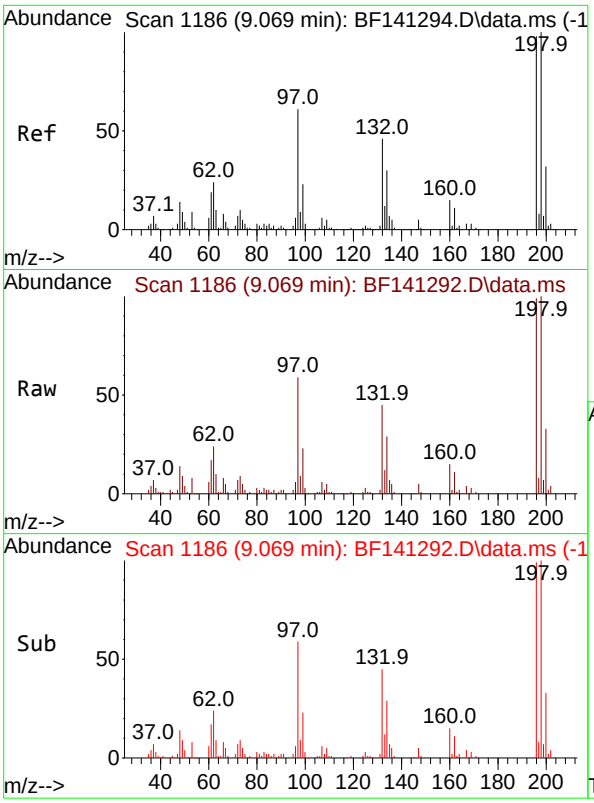




#42
2,4,6-Tribromophenol
Concen: 21.761 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:330 Resp: 57417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.0 | 76.1 | 114.1 |
| 141 | 37.3 | 28.8 | 43.2 |

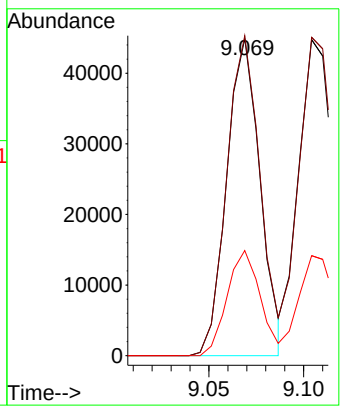





#43
2,4,6-Trichlorophenol
Concen: 10.241 ng
RT: 9.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:196 Resp: 5503

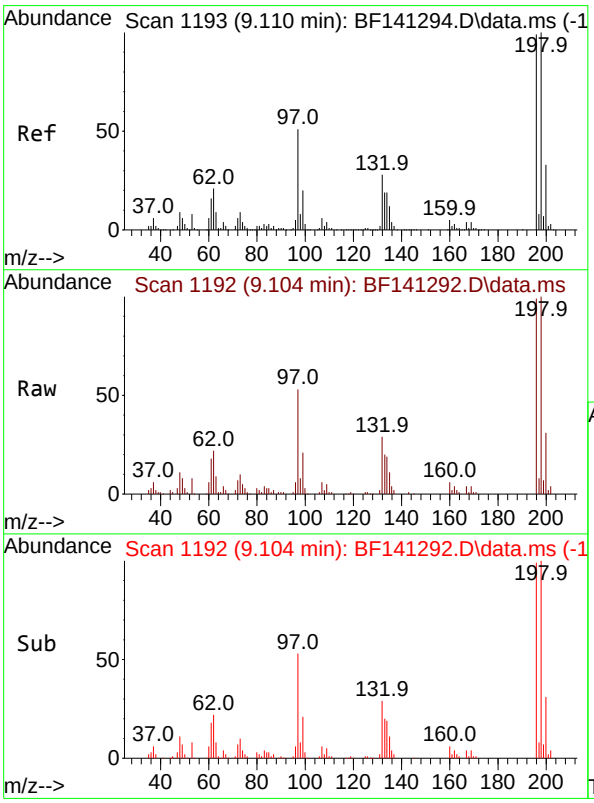
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.0 | 81.8 | 122.6 |
| 200 | 33.2 | 26.3 | 39.5 |




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

**Manual Integrations**
**APPROVED**

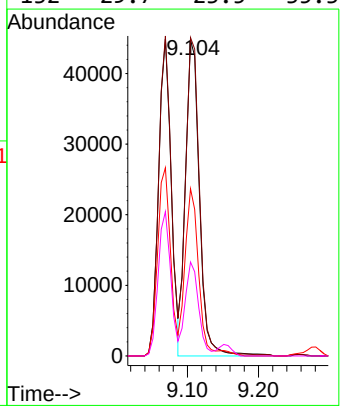
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

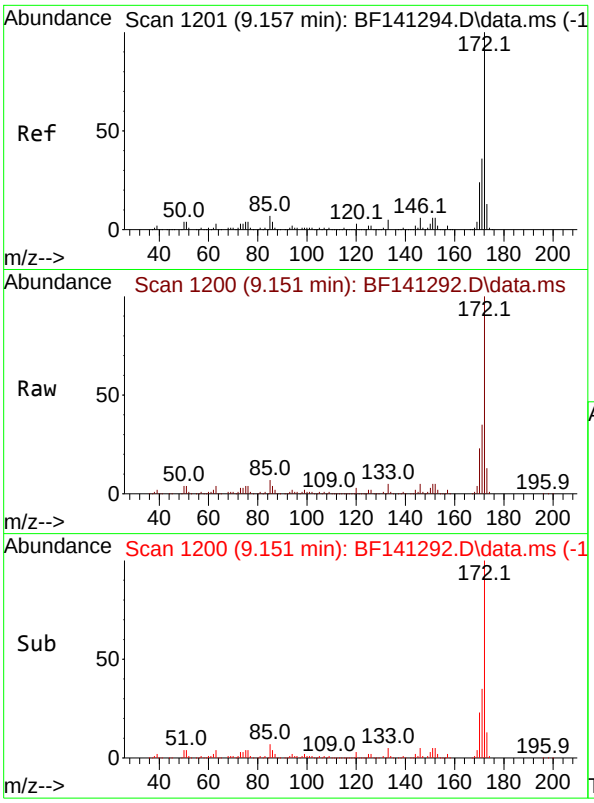



#44
2,4,5-Trichlorophenol
Concen: 10.518 ng
RT: 9.104 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:196 Resp: 61493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.8 | 80.5 | 120.7 |
| 97 | 52.9 | 42.8 | 64.2 |
| 132 | 29.7 | 23.5 | 35.3 |

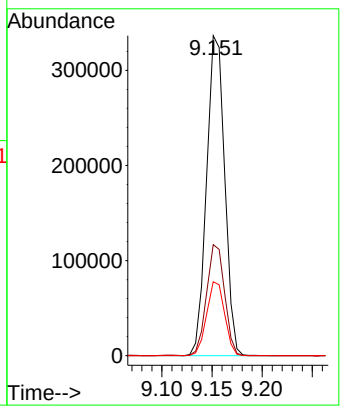





#45
2-Fluorobiphenyl
Concen: 22.581 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:172 Resp: 42385

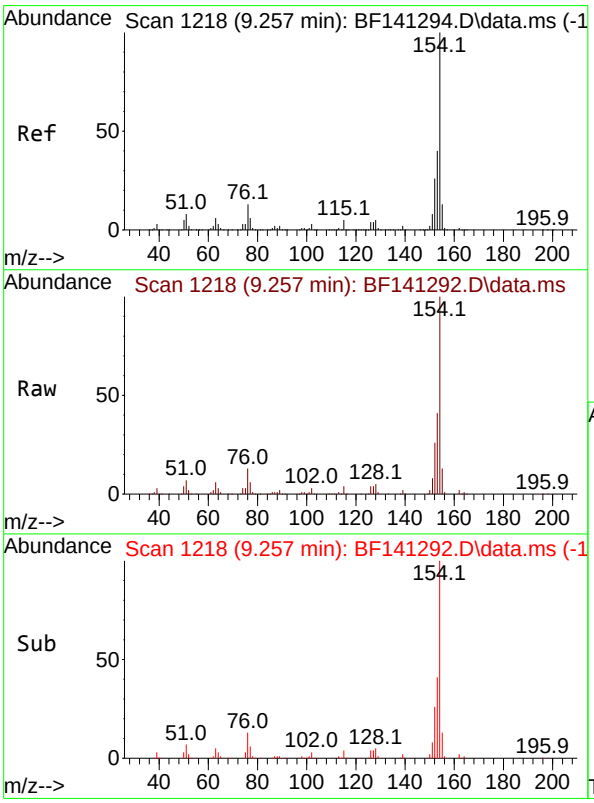
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.7 | 28.8 | 43.2 |
| 170 | 23.1 | 19.0 | 28.6 |




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

**Manual Integrations**
**APPROVED**

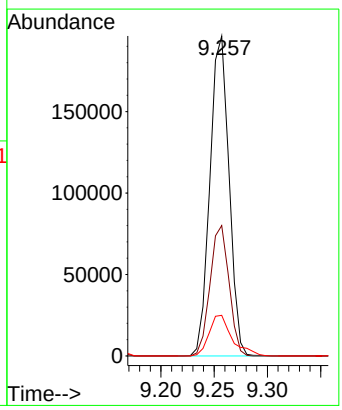
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

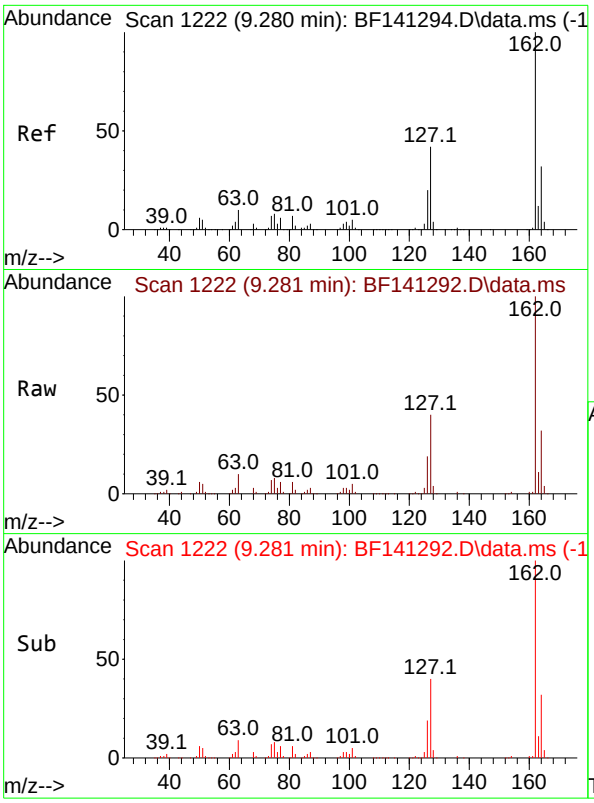



#46
1,1'-Biphenyl
Concen: 10.847 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:154 Resp: 245028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.8 | 20.0 | 60.0 |
| 76 | 12.7 | 0.0 | 32.8 |

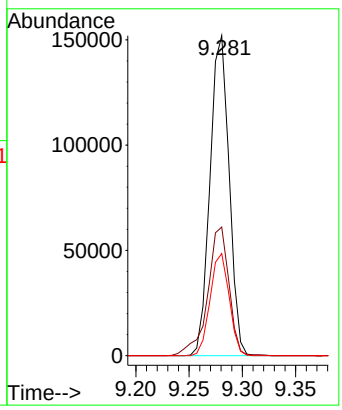





#47
2-Chloronaphthalene
Concen: 10.812 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:162 Resp: 189709

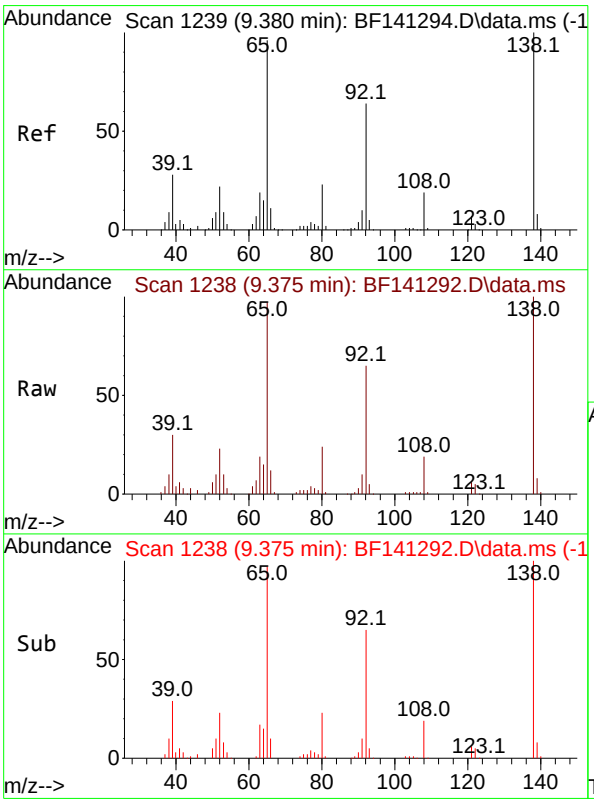
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 40.2 | 33.7 | 50.5 |
| 164 | 31.9 | 25.9 | 38.9 |




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

**Manual Integrations**
**APPROVED**

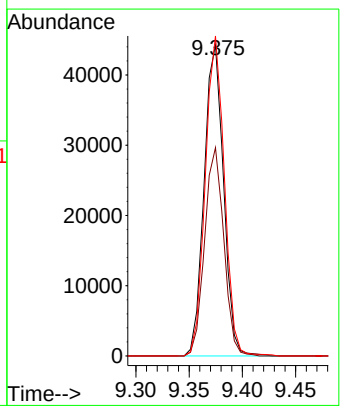
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

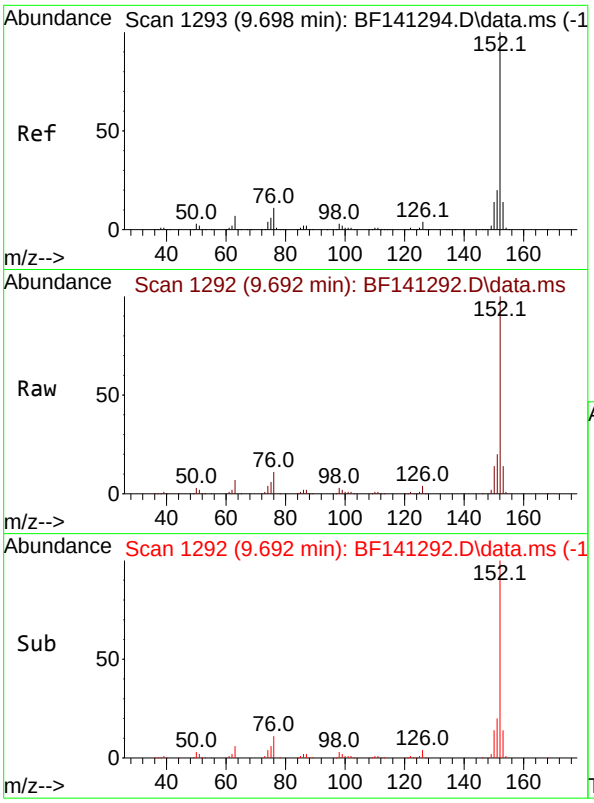



#48
2-Nitroaniline
Concen: 10.164 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 65 Resp: 56247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 67.0 | 53.3 | 79.9 |
| 138 | 102.9 | 83.6 | 125.4 |

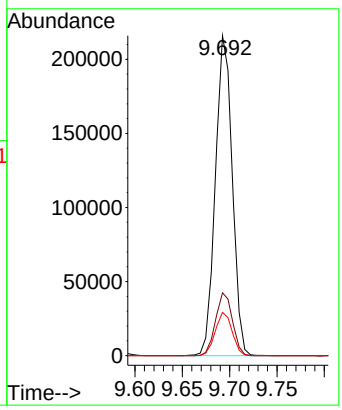





#49
Acenaphthylene
Concen: 10.895 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:152 Resp: 26847

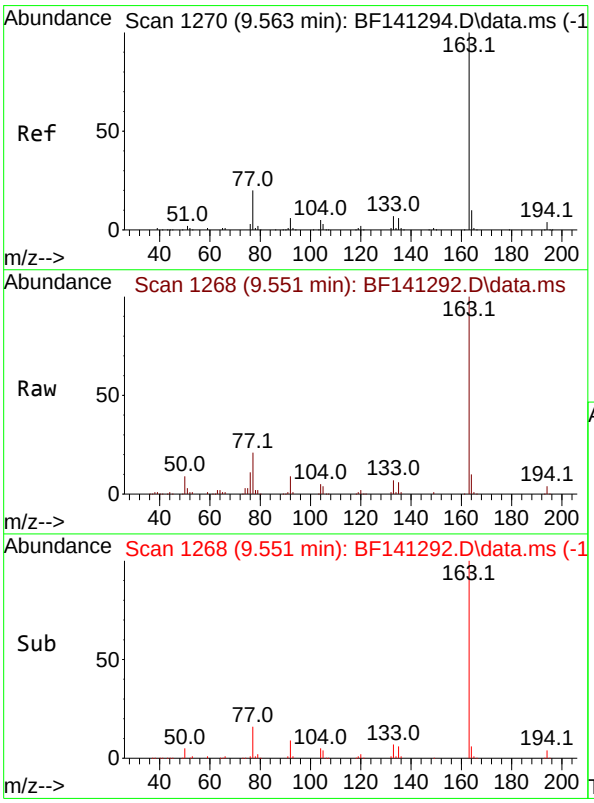
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.7 | 16.2 | 24.2 |
| 153 | 13.6 | 11.0 | 16.6 |




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

**Manual Integrations**
**APPROVED**

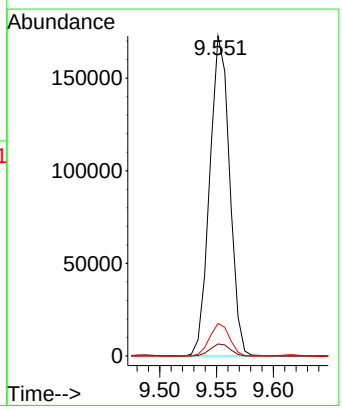
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

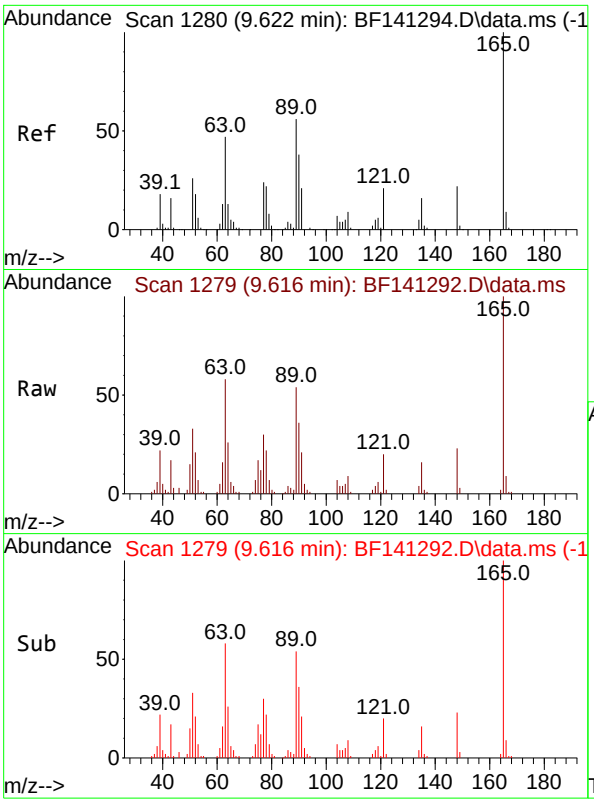



#50
Dimethylphthalate
Concen: 10.857 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:163 Resp: 210816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.7 | 3.0 | 4.6 |
| 164 | 10.2 | 8.0 | 12.0 |






#51
2,6-Dinitrotoluene
Concen: 10.613 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

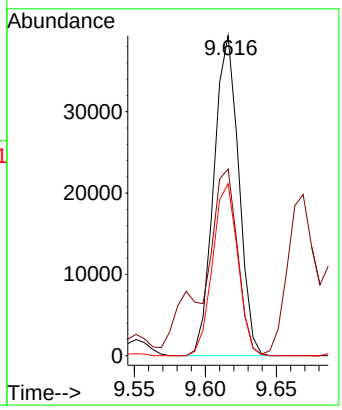
Tgt Ion:165 Resp: 4795

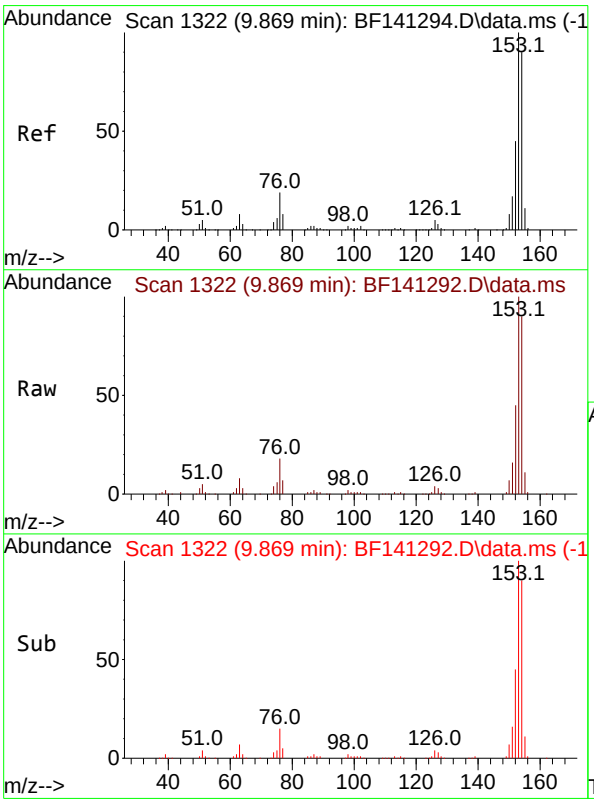
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 58.3 | 48.1 | 72.1 |
| 89 | 53.7 | 44.9 | 67.3 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

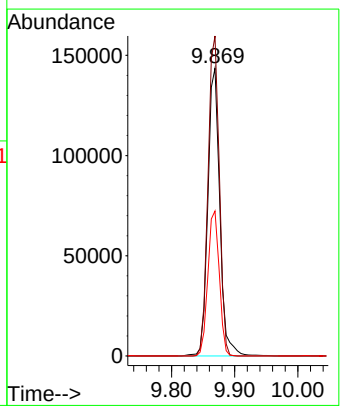


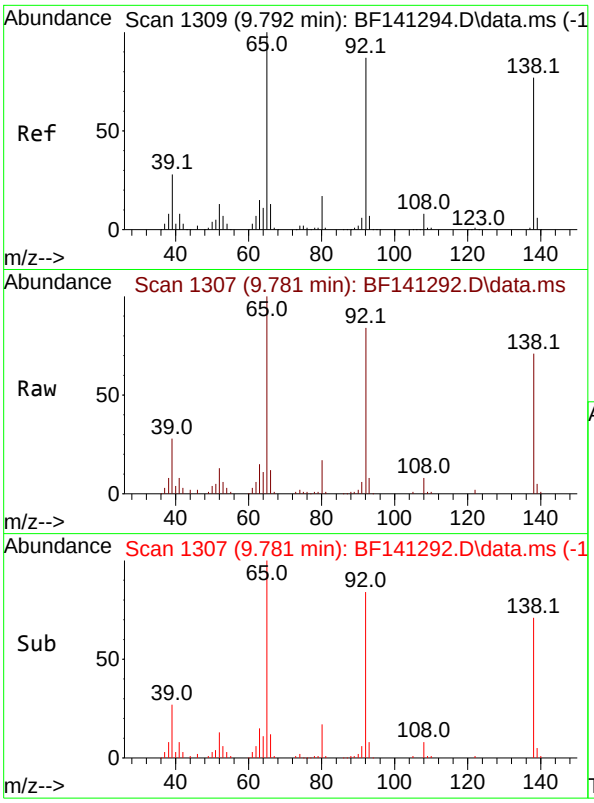




#52
Acenaphthene
Concen: 10.738 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:154 Resp: 188283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.2 | 89.0 | 133.4 |
| 152 | 50.4 | 40.2 | 60.4 |






#53
3-Nitroaniline
Concen: 10.699 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

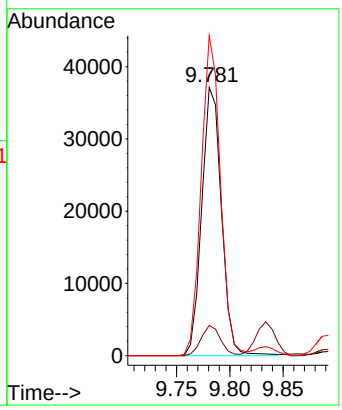
Tgt Ion:138 Resp: 4781

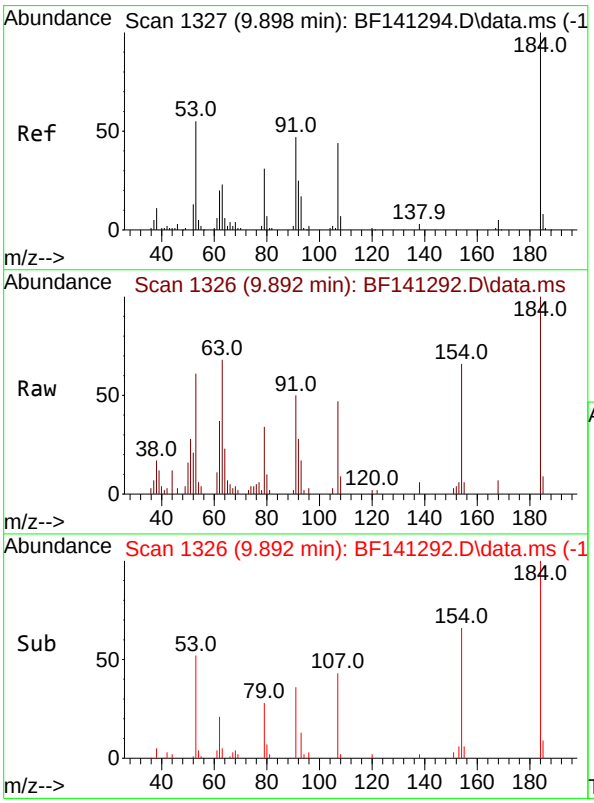
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.3 | 8.6 | 12.8 |
| 92 | 119.2 | 91.0 | 136.6 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

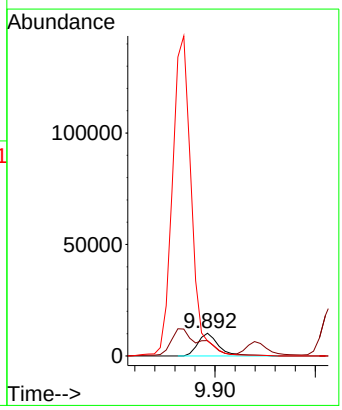


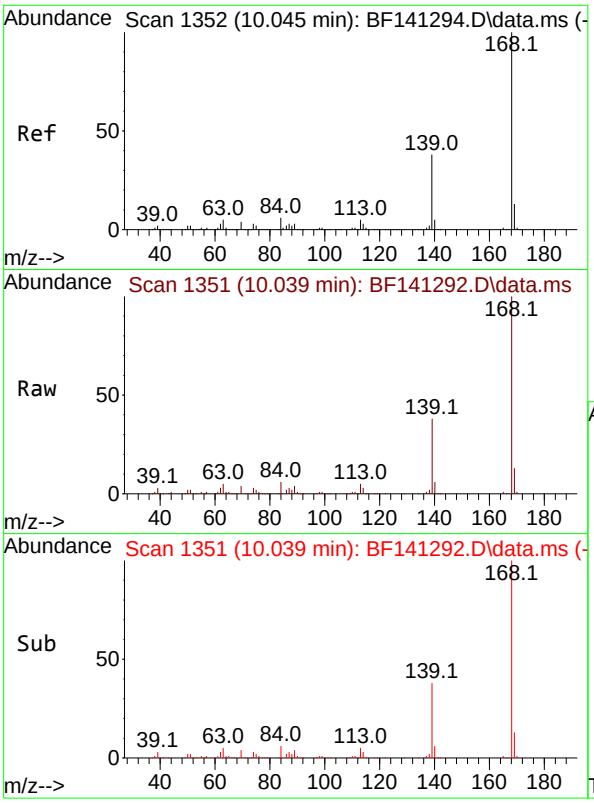




#54
2,4-Dinitrophenol
Concen: 6.925 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:184 Resp: 14749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 67.9 | 54.1 | 81.1 |
| 154 | 66.2 | 50.7 | 76.1 |

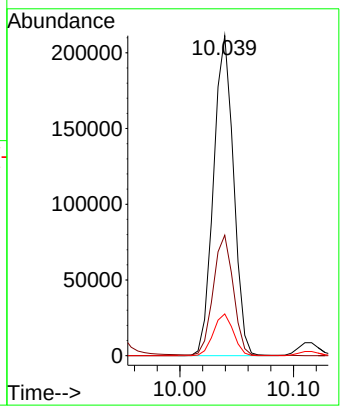





#55
Dibenzofuran
Concen: 11.038 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:168 Resp: 25883

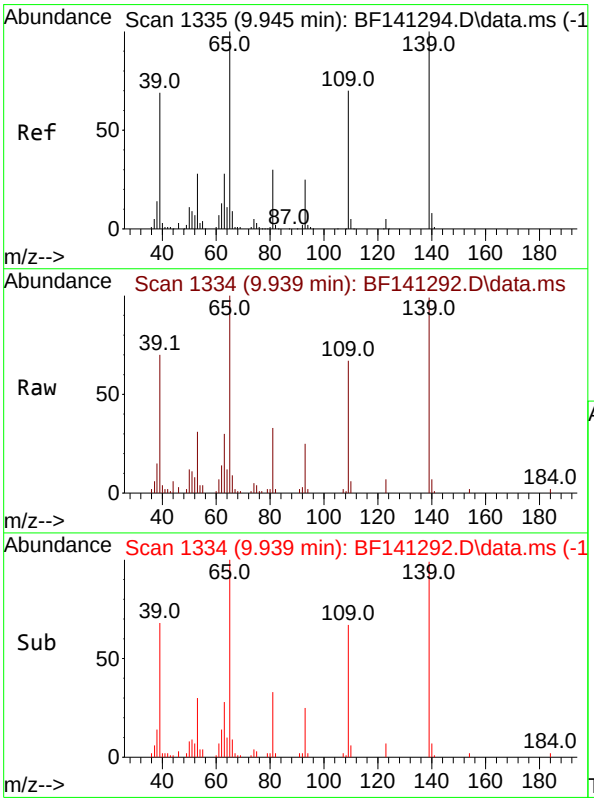
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.7 | 30.6 | 46.0 |
| 169 | 13.1 | 10.8 | 16.2 |




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

**Manual Integrations**
**APPROVED**

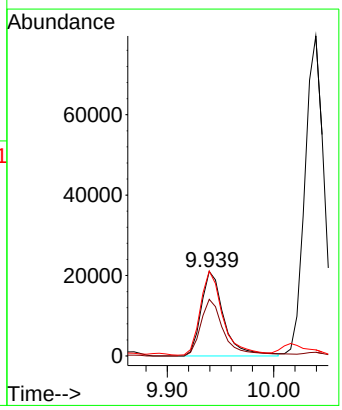
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

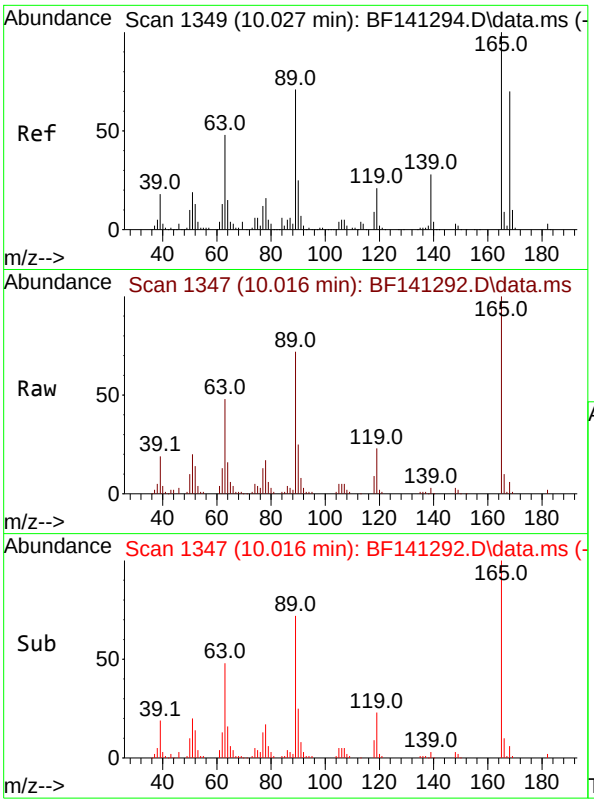



#56
4-Nitrophenol
Concen: 9.722 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:139 Resp: 31196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 67.1 | 50.2 | 90.2 |
| 65 | 100.6 | 80.6 | 120.6 |

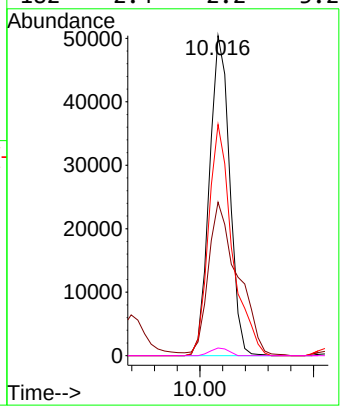





#57
2,4-Dinitrotoluene
Concen: 10.710 ng
RT: 10.016 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:165 Resp: 6241

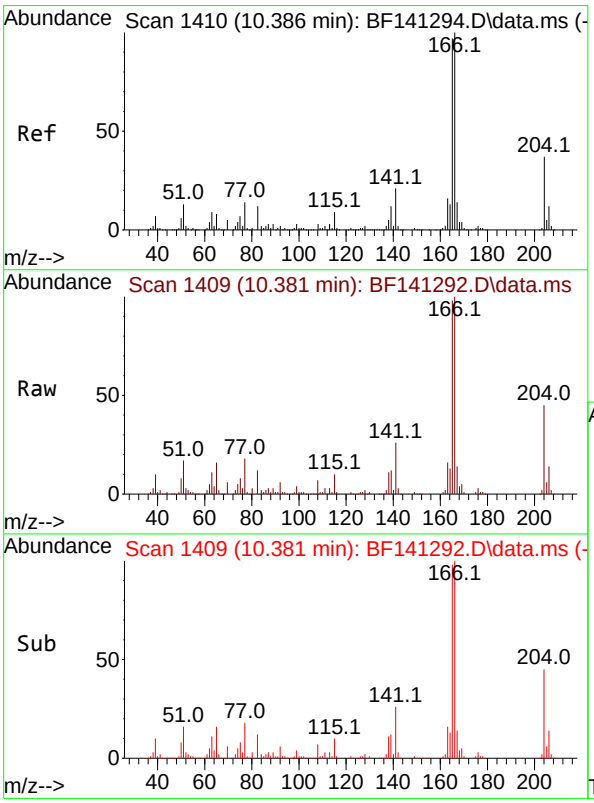
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 48.0 | 39.2 | 58.8 |
| 89 | 72.2 | 56.9 | 85.3 |
| 182 | 2.4 | 2.2 | 3.2 |




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

**Manual Integrations**
**APPROVED**

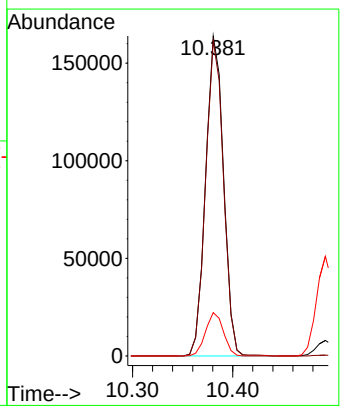
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

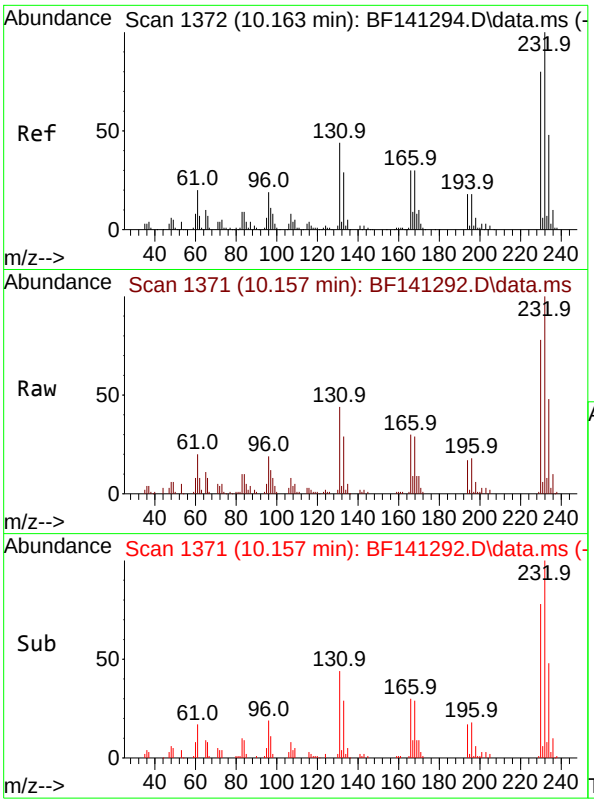



#58
Fluorene
Concen: 11.197 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:166 Resp: 204141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.4 | 77.5 | 116.3 |
| 167 | 13.6 | 10.9 | 16.3 |

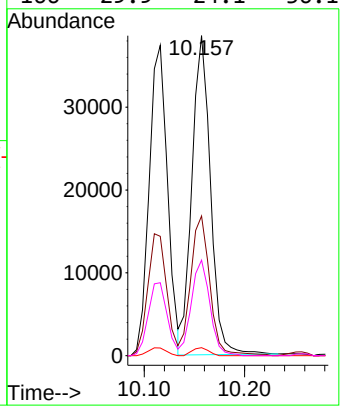





#59
2,3,4,6-Tetrachlorophenol
Concen: 10.737 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:232 Resp: 4959

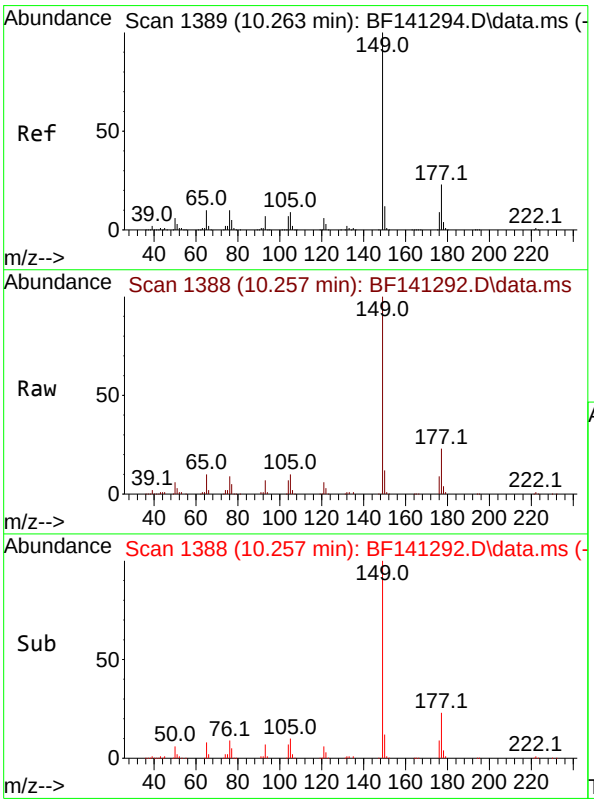
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.2 | 36.4 | 54.6 |
| 130 | 2.2 | 1.9 | 2.9 |
| 166 | 29.9 | 24.1 | 36.1 |




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

**Manual Integrations**
**APPROVED**

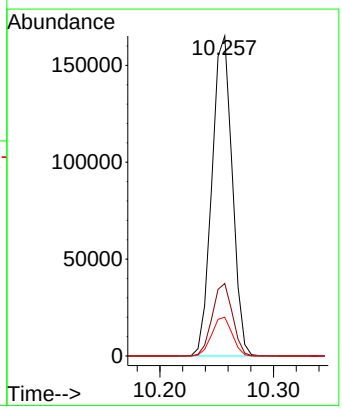
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

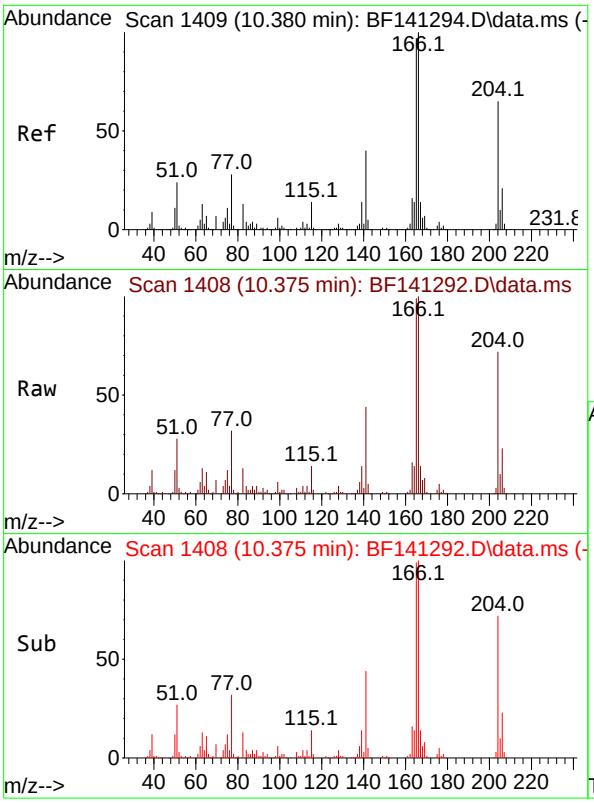



#60
Diethylphthalate
Concen: 10.908 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:149 Resp: 205131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.7 | 18.5 | 27.7 |
| 150 | 12.1 | 10.0 | 15.0 |






#61
4-Chlorophenyl-phenylether
Concen: 11.294 ng
RT: 10.375 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

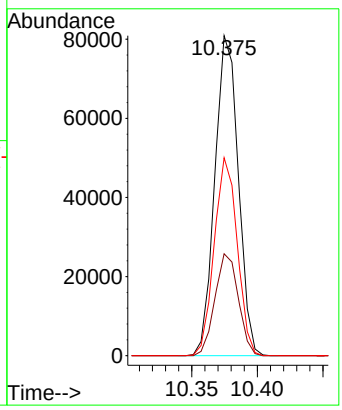
Tgt Ion:204 Resp: 10048

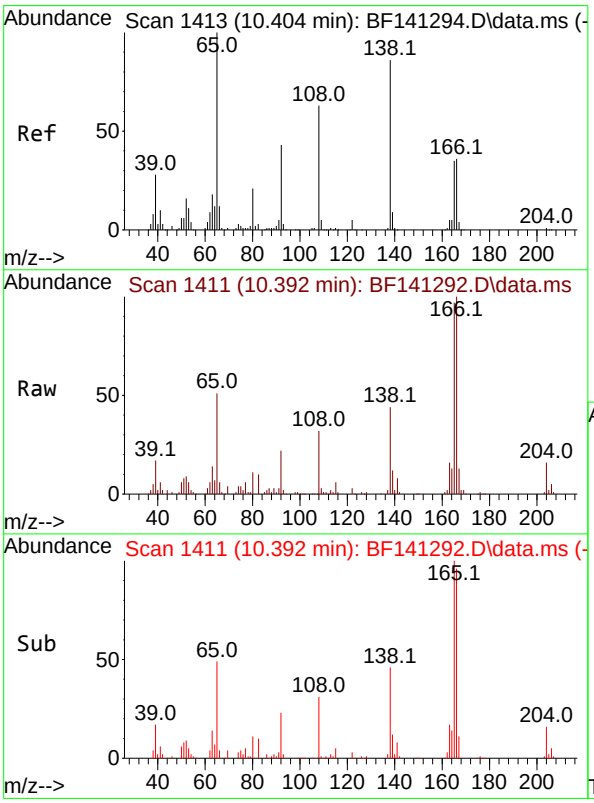
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 31.9 | 25.9 | 38.9 |
| 141 | 61.8 | 49.5 | 74.3 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

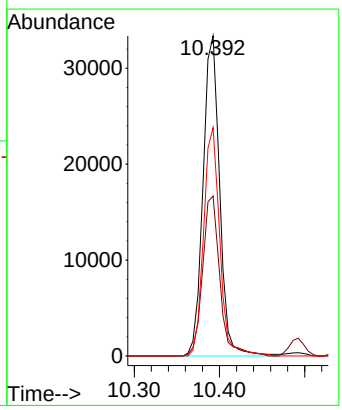


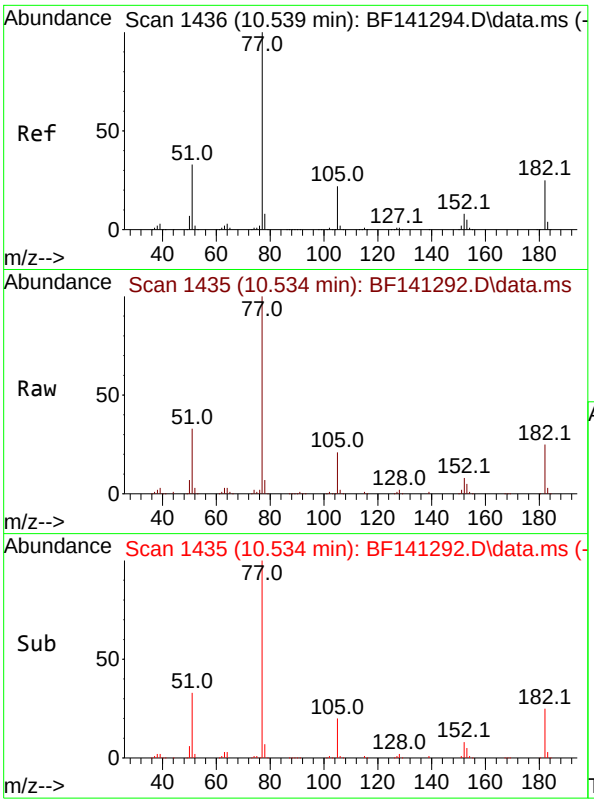




#62
4-Nitroaniline
Concen: 10.533 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:138 Resp: 45222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.0 | 30.1 | 70.1 |
| 108 | 71.3 | 53.1 | 93.1 |

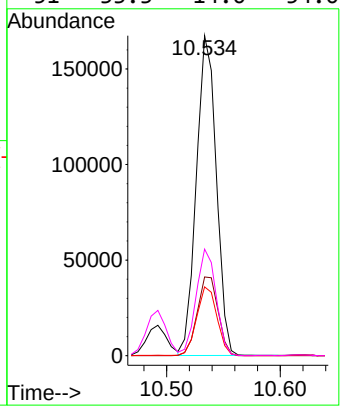





#63
Azobenzene
Concen: 10.839 ng
RT: 10.534 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 77 Resp: 20430

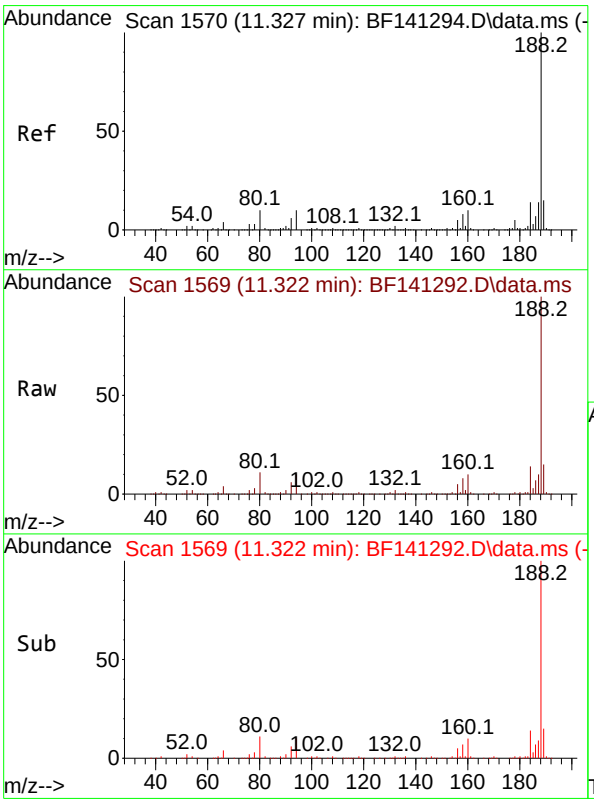
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 24.6 | 5.1 | 45.1 |
| 105 | 21.5 | 1.8 | 41.8 |
| 51 | 33.3 | 14.0 | 54.0 |




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

**Manual Integrations**
**APPROVED**

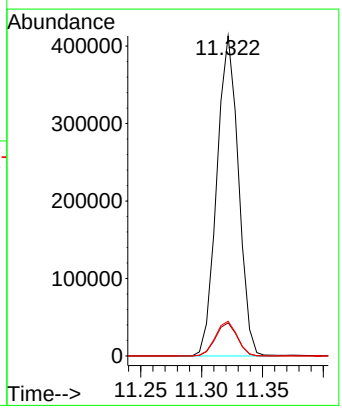
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

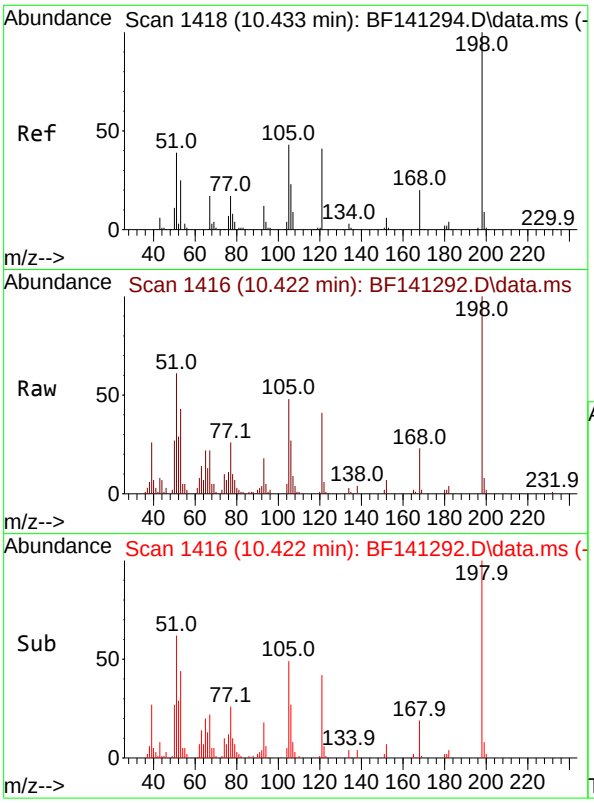



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:188 Resp: 510795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.3 | 7.8 | 11.6 |
| 80 | 10.9 | 8.2 | 12.4 |






#65
4,6-Dinitro-2-methylphenol
Concen: 8.831 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

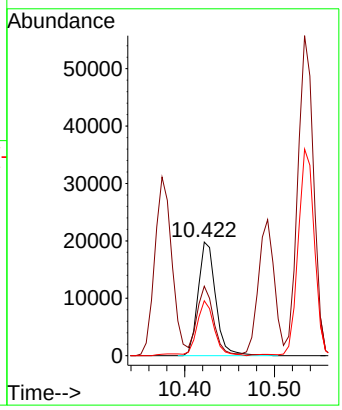
Tgt Ion:198 Resp: 2693

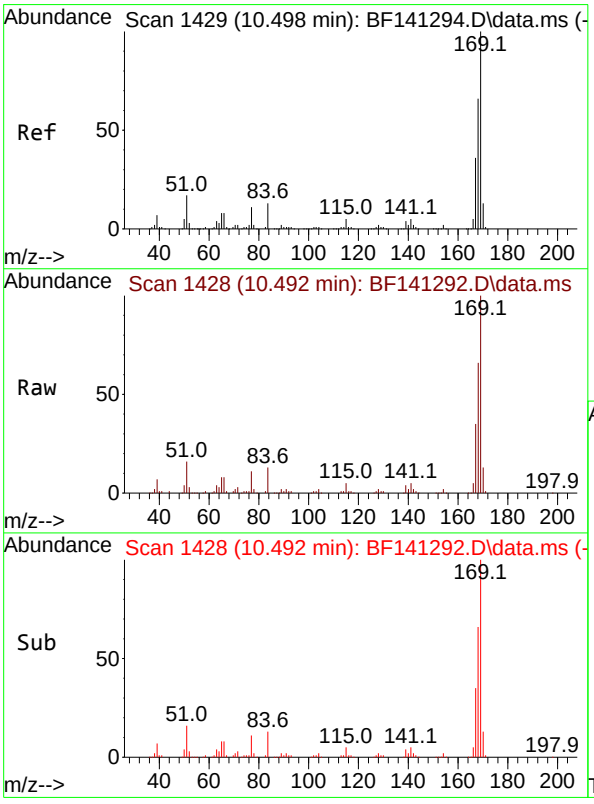
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 61.2 | 33.4 | 73.4 |
| 105 | 48.3 | 24.4 | 64.4 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

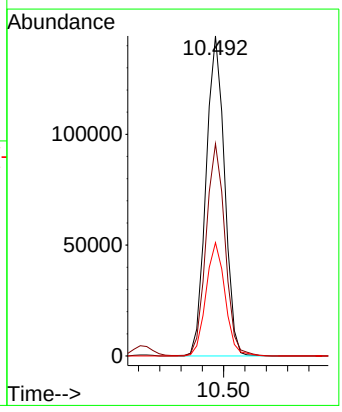


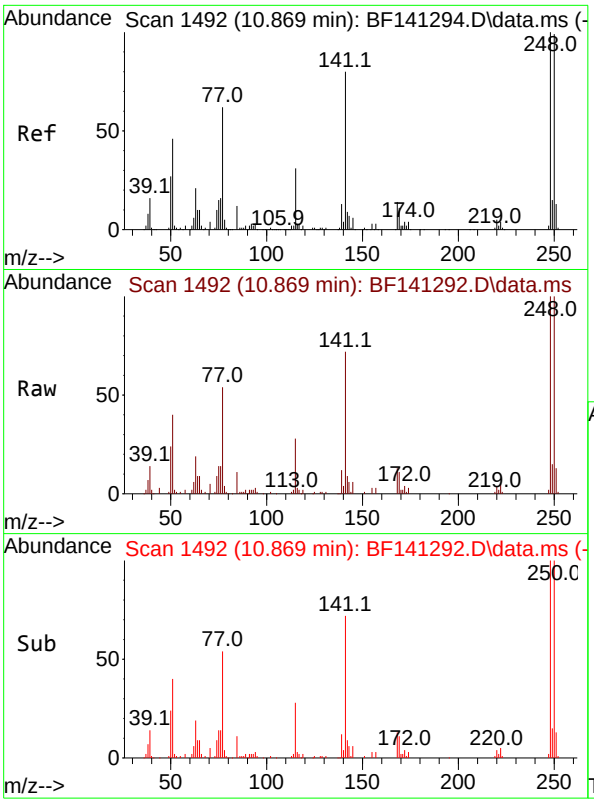




#66
n-Nitrosodiphenylamine
Concen: 10.544 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:169 Resp: 174617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.3 | 53.0 | 79.4 |
| 167 | 35.4 | 28.8 | 43.2 |

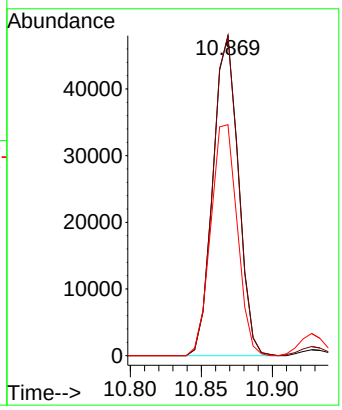





#67
4-Bromophenyl-phenylether
Concen: 10.468 ng
RT: 10.869 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:248 Resp: 5977

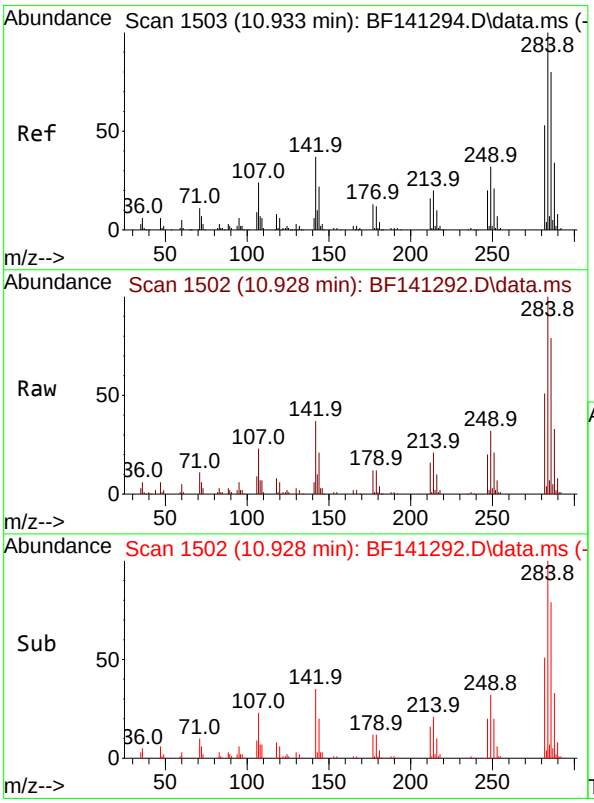
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 100.0 | 79.0 | 118.4 |
| 141 | 72.2 | 63.7 | 95.5 |




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

**Manual Integrations**
**APPROVED**

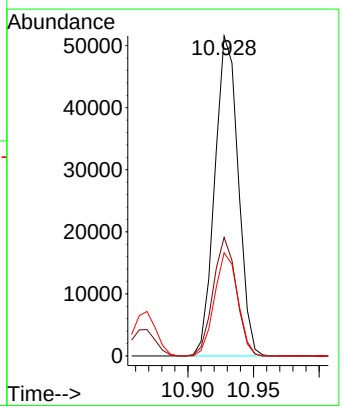
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

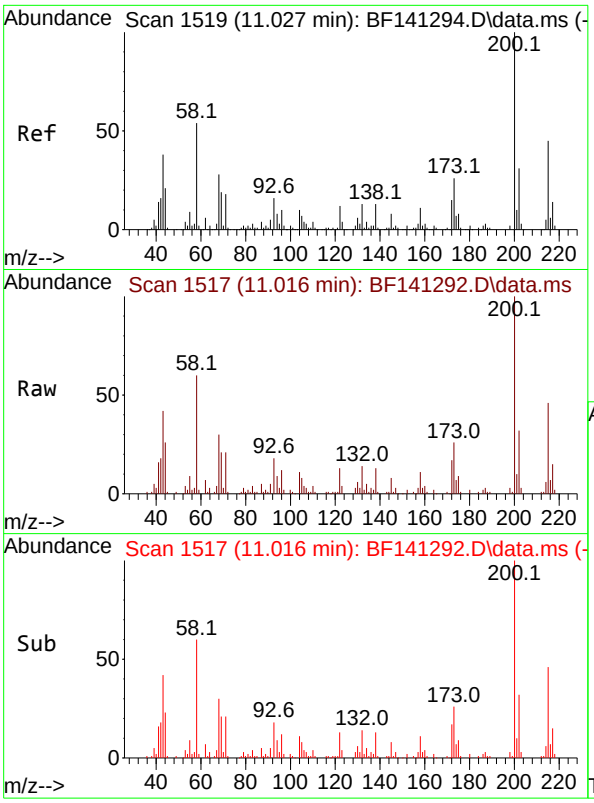



#68
Hexachlorobenzene
Concen: 10.551 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:284 Resp: 63908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 37.0 | 29.5 | 44.3 |
| 249 | 32.2 | 25.4 | 38.2 |






#69
Atrazine
Concen: 9.295 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

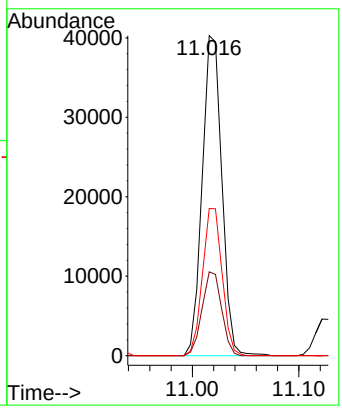
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

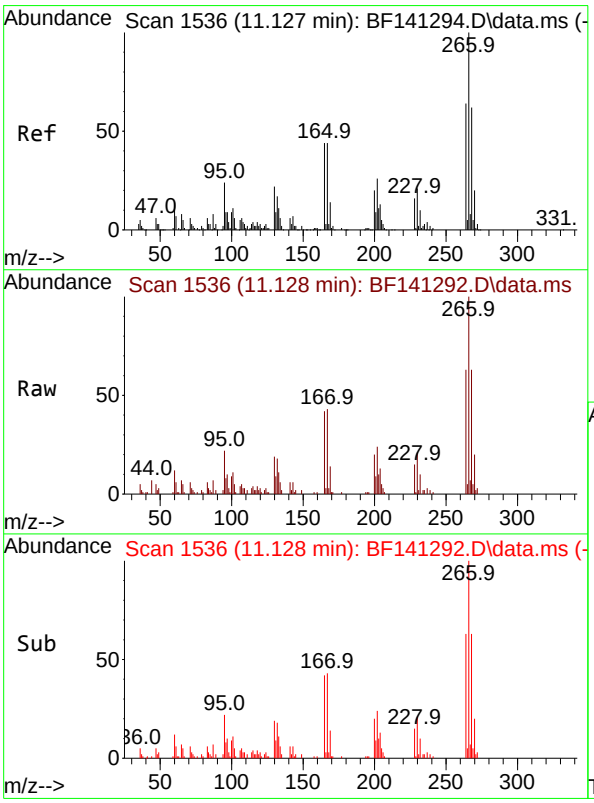
Tgt Ion:200 Resp: 5163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.2 | 5.9 | 45.9 |
| 215 | 46.0 | 25.2 | 65.2 |

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

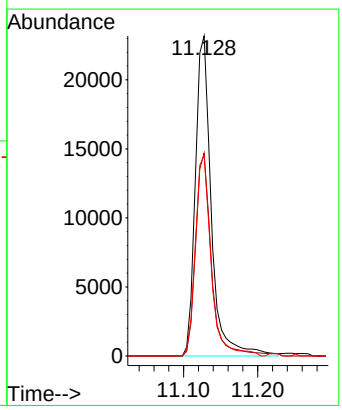


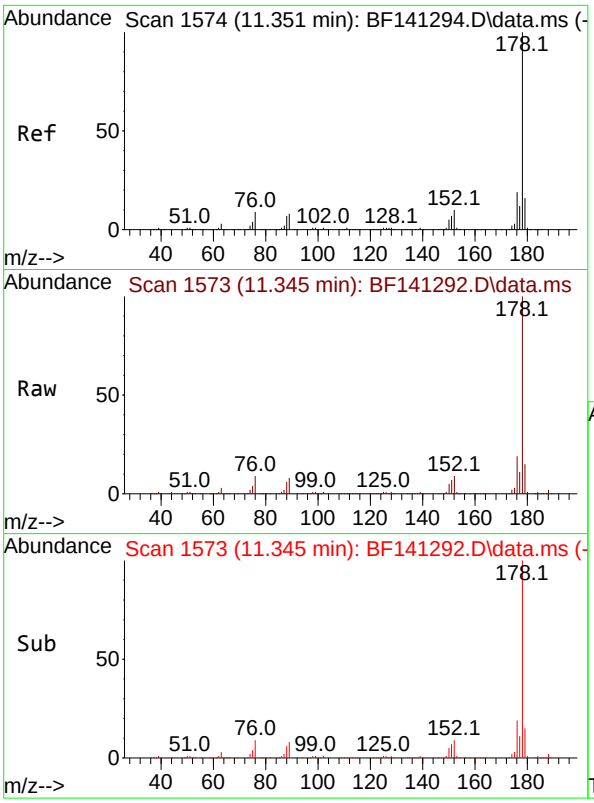




#70
Pentachlorophenol
Concen: 9.796 ng
RT: 11.128 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:266 Resp: 34788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.4 | 49.9 | 74.9 |
| 264 | 62.7 | 51.0 | 76.4 |

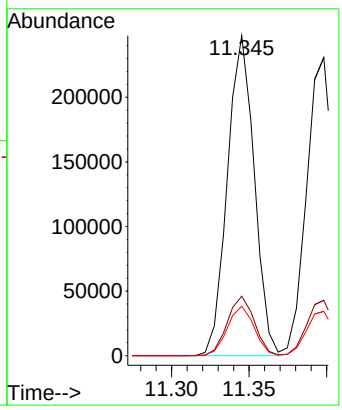





#71
Phenanthrene
Concen: 10.893 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:178 Resp: 29889

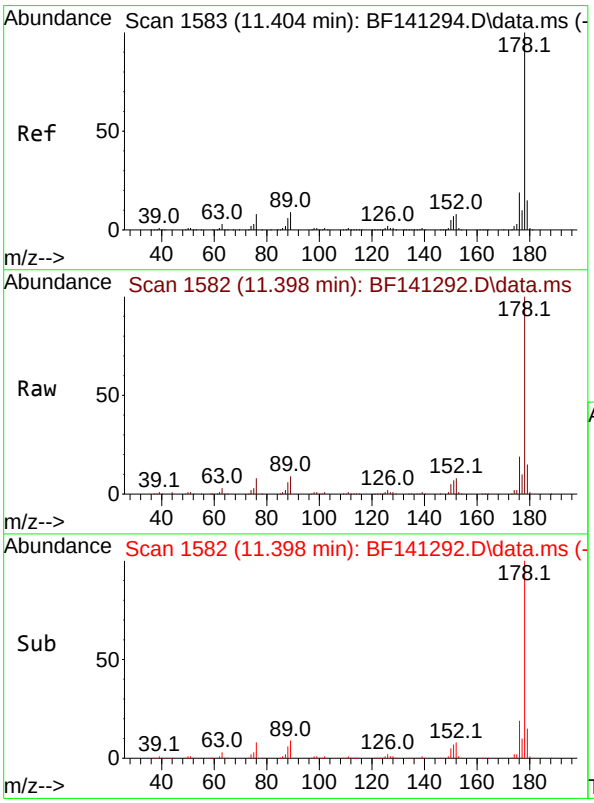
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.3 | 22.9 |
| 179 | 15.4 | 12.5 | 18.7 |




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

**Manual Integrations**
**APPROVED**

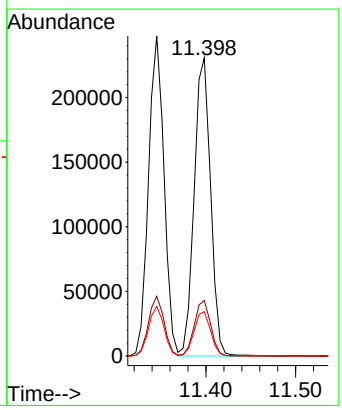
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

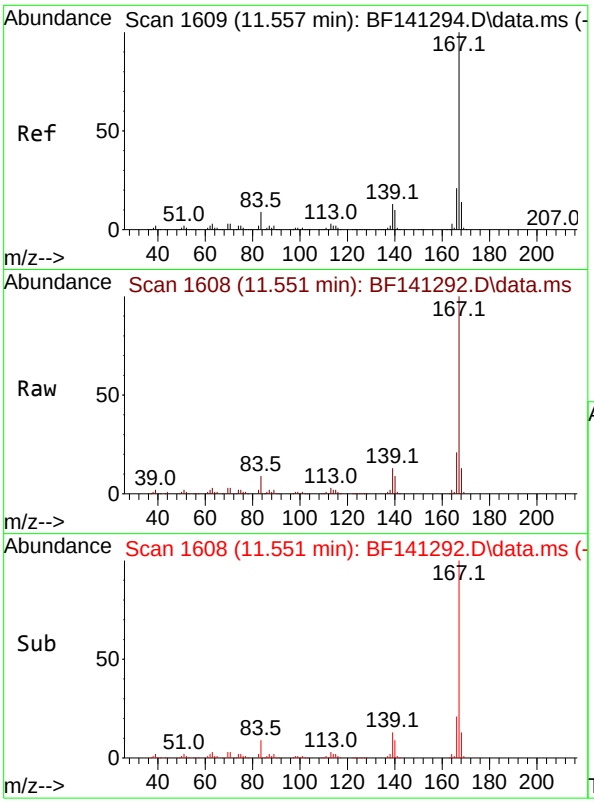



#72
Anthracene
Concen: 10.940 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:178 Resp: 292813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.0 | 22.6 |
| 179 | 14.9 | 12.3 | 18.5 |

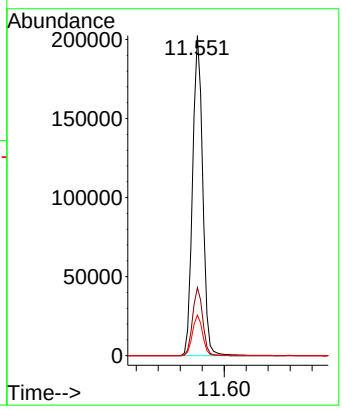





#73
Carbazole
Concen: 10.919 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:167 Resp: 25885

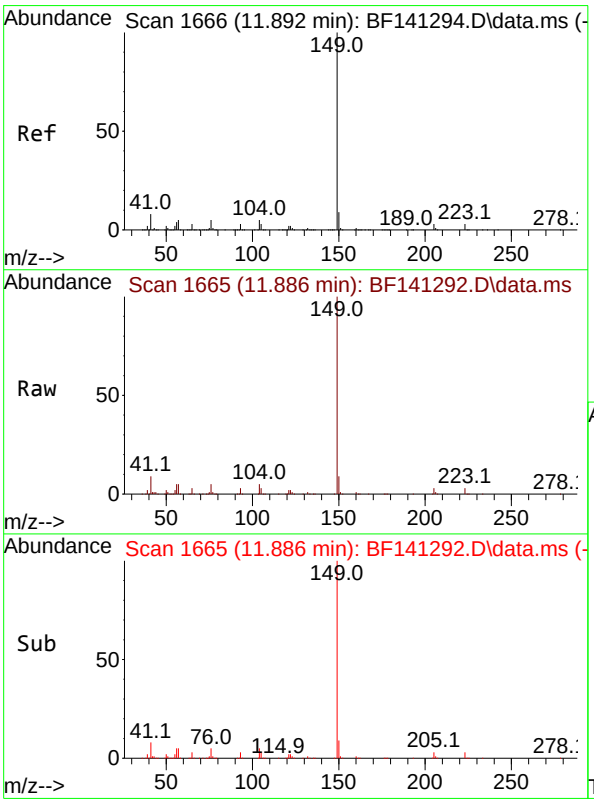
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.2 | 17.0 | 25.6 |
| 139 | 12.7 | 10.6 | 16.0 |




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

**Manual Integrations**
**APPROVED**

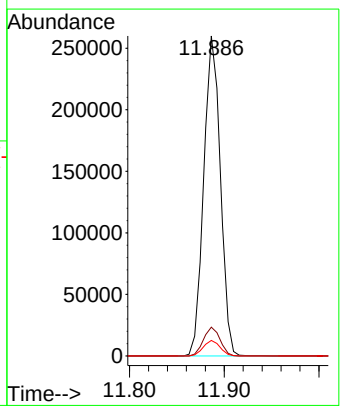
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

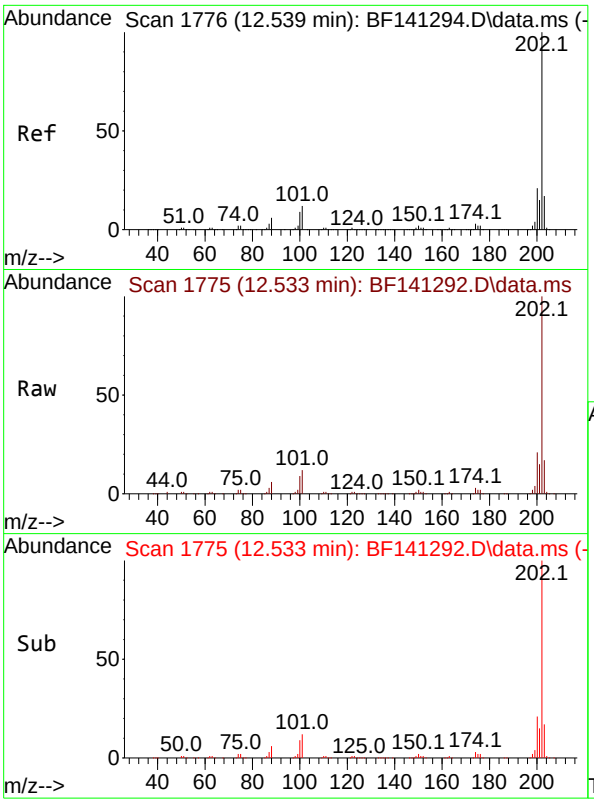



#74
Di-n-butylphthalate
Concen: 11.070 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:149 Resp: 316336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.4 | 11.2 |
| 104 | 4.9 | 3.9 | 5.9 |






#75
Fluoranthene
Concen: 11.462 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

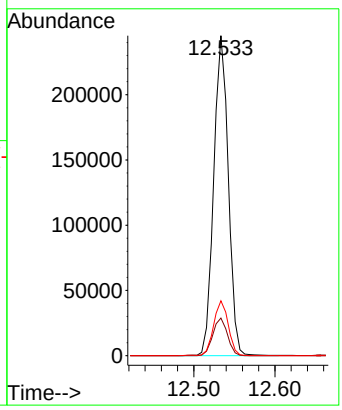
Tgt Ion:202 Resp: 30696

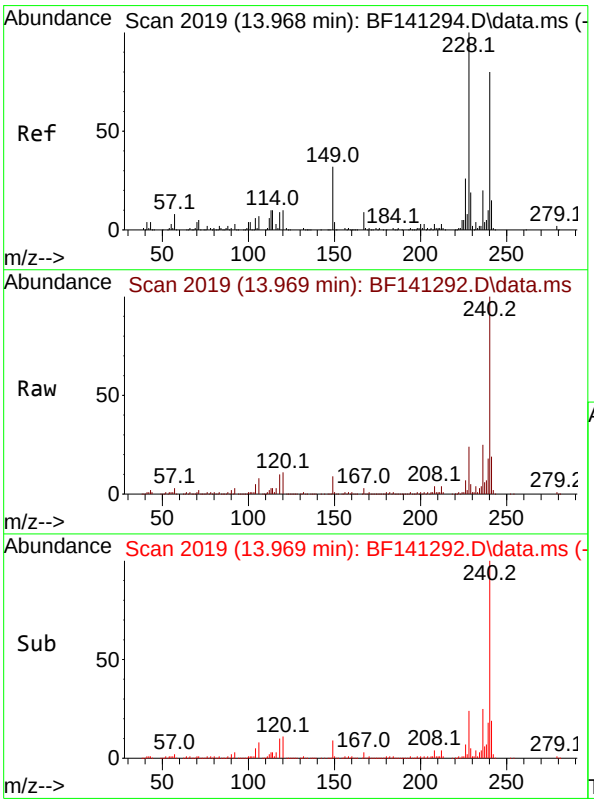
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.8 | 0.0 | 31.7 |
| 203 | 17.1 | 0.0 | 37.5 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

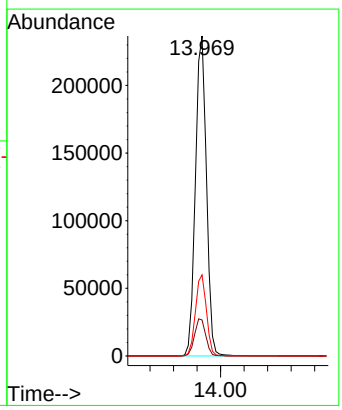


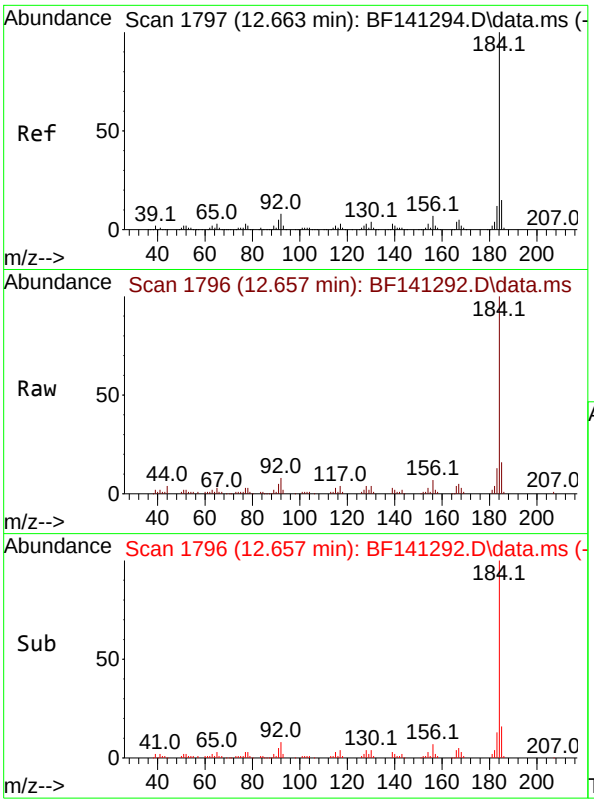




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:240 Resp: 308114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.2 | 10.0 | 15.0 |
| 236 | 25.4 | 19.7 | 29.5 |

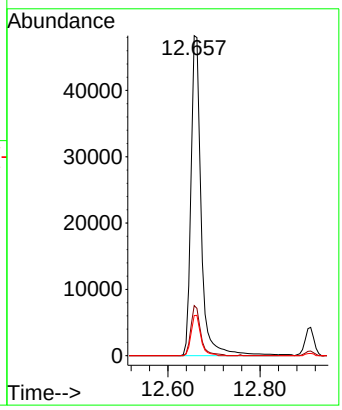





#77
Benzidine
Concen: 7.890 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:184 Resp: 7391

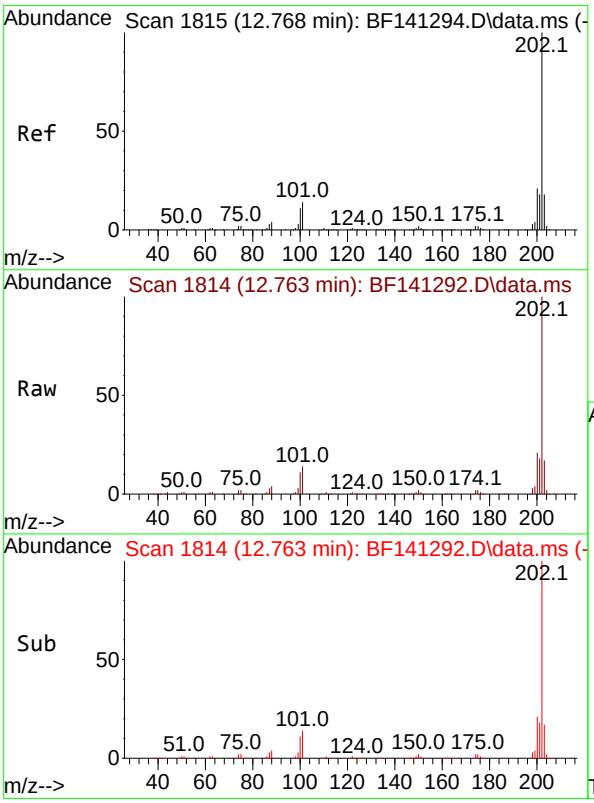
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.6 | 11.9 | 17.9 |
| 183 | 12.6 | 9.5 | 14.3 |




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

**Manual Integrations**
**APPROVED**

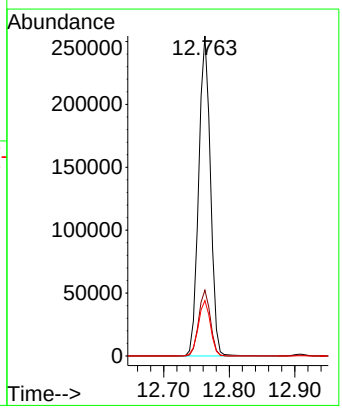
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

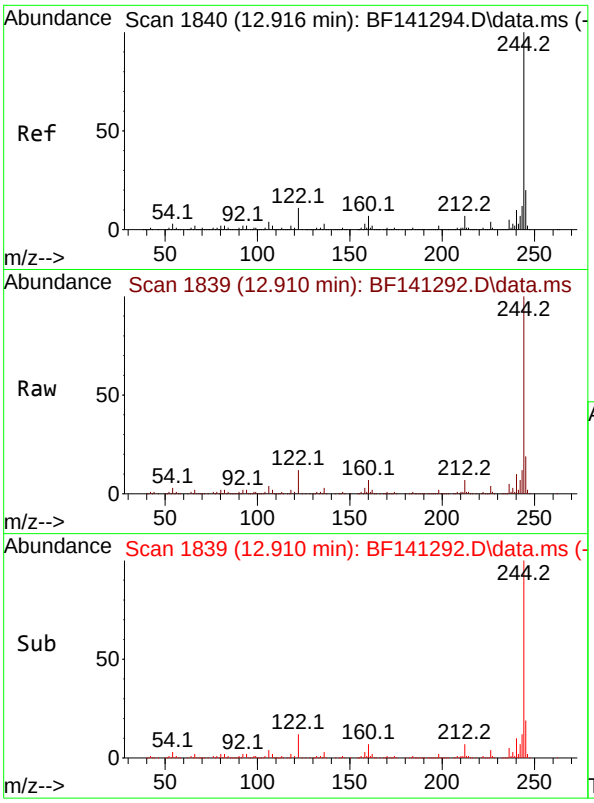



#78
Pyrene
Concen: 10.681 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:202 Resp: 317744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.5 | 17.0 | 25.4 |
| 203 | 17.3 | 14.3 | 21.5 |

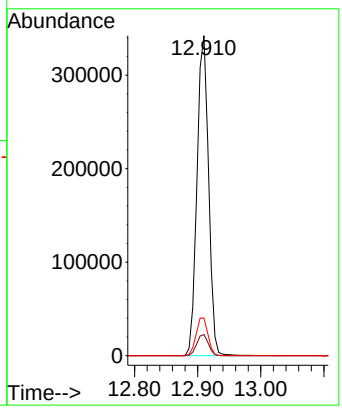





#79
Terphenyl-d14
Concen: 21.713 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:244 Resp: 43478

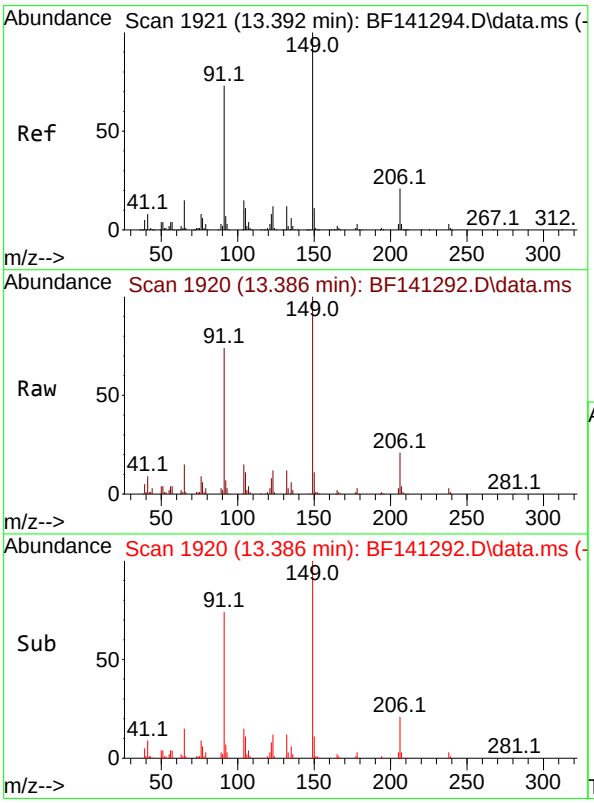
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.4 | 8.0 |
| 122 | 11.7 | 8.8 | 13.2 |




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

**Manual Integrations**
**APPROVED**

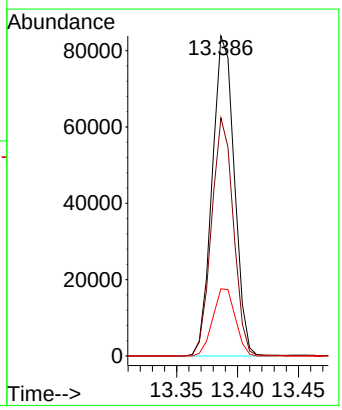
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

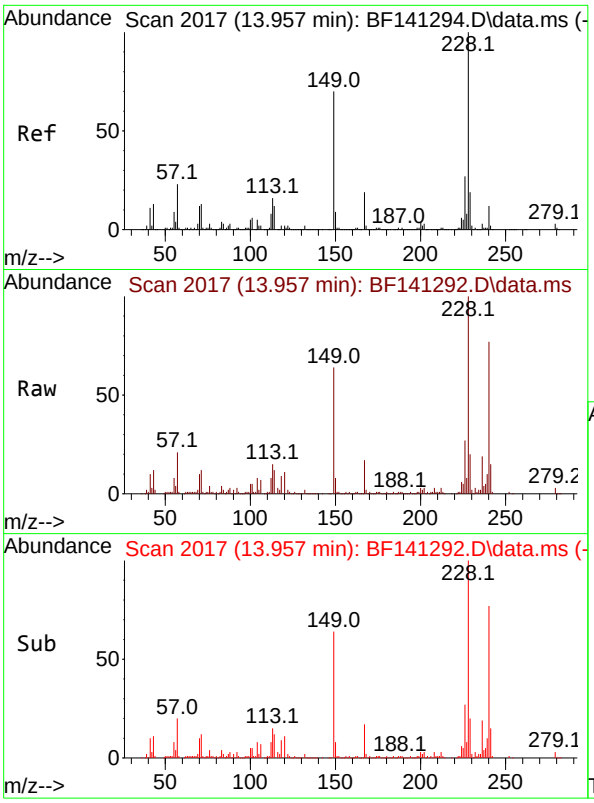



#80
Butylbenzylphthalate
Concen: 10.349 ng
RT: 13.386 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:149 Resp: 106335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 74.4 | 58.6 | 87.8 |
| 206 | 21.0 | 16.7 | 25.1 |

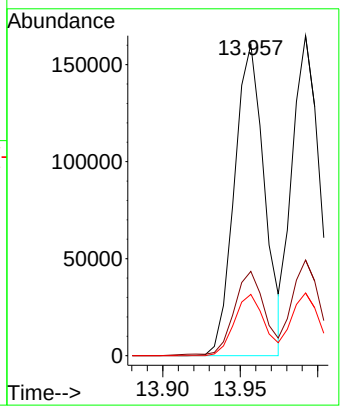





#81
Benzo(a)anthracene
Concen: 10.289 ng
RT: 13.957 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:228 Resp: 21729

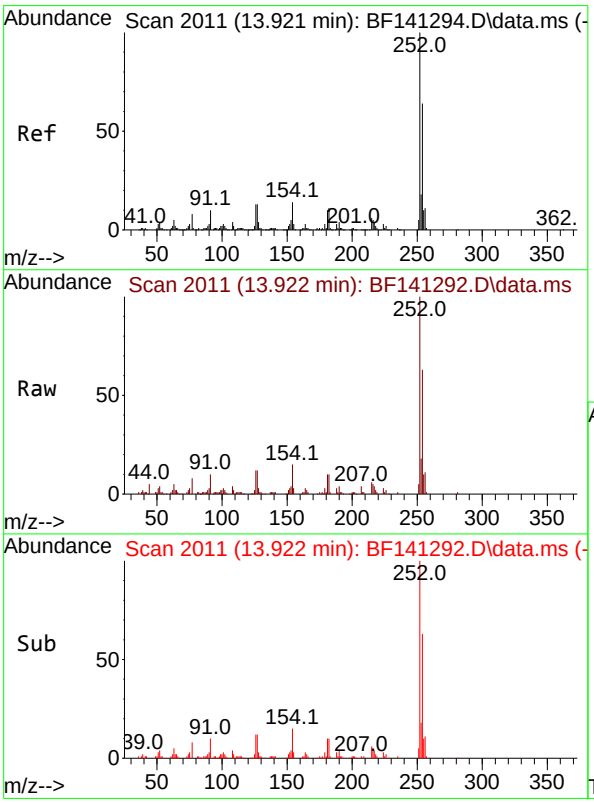
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.1 | 21.4 | 32.2 |
| 229 | 19.7 | 15.5 | 23.3 |




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

**Manual Integrations**
**APPROVED**

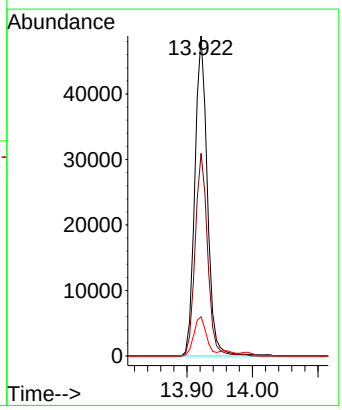
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

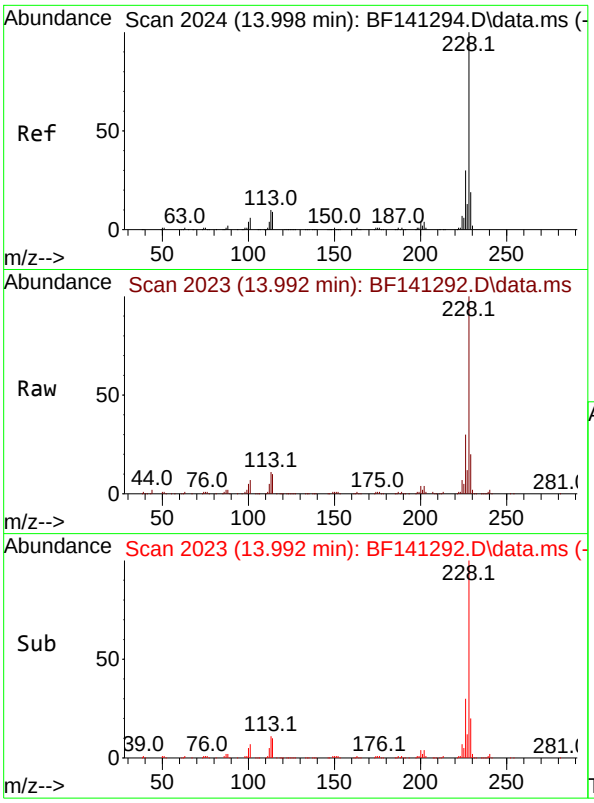



#82
3,3'-Dichlorobenzidine
Concen: 9.833 ng
RT: 13.922 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:252 Resp: 65021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.3 | 51.3 | 76.9 |
| 126 | 12.2 | 10.0 | 15.0 |

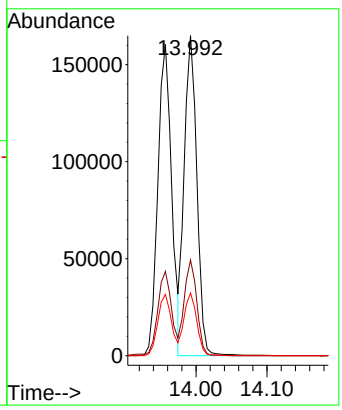





#83
Chrysene
Concen: 10.421 ng
RT: 13.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:228 Resp: 20408

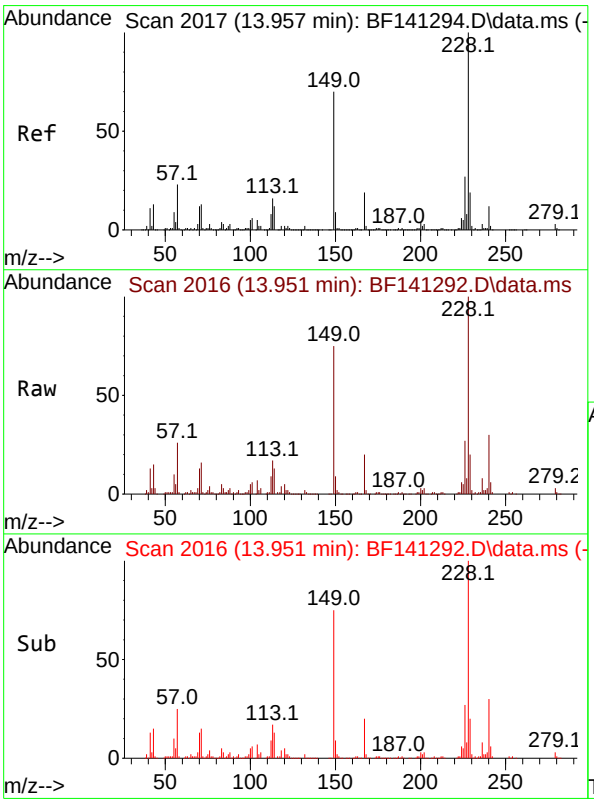
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 24.1 | 36.1 |
| 229 | 19.6 | 15.6 | 23.4 |




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

**Manual Integrations**
**APPROVED**

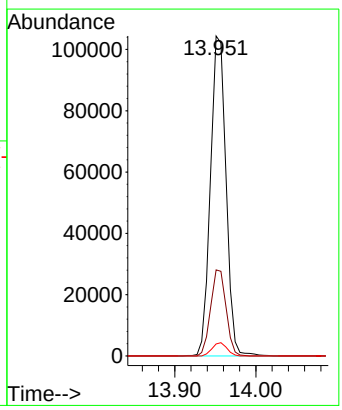
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

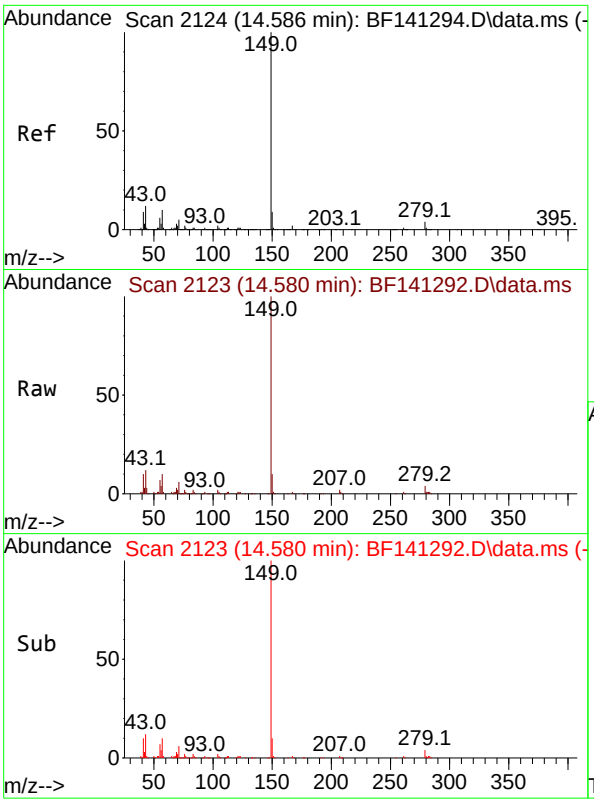



#84
Bis(2-ethylhexyl)phthalate
Concen: 10.789 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:149 Resp: 139099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.9 | 21.8 | 32.8 |
| 279 | 3.8 | 3.3 | 4.9 |






#85
Di-n-octyl phthalate
Concen: 9.676 ng
RT: 14.580 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

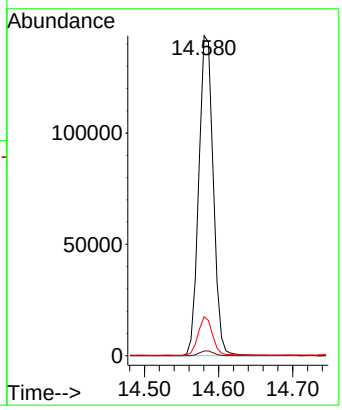
Tgt Ion:149 Resp: 19512

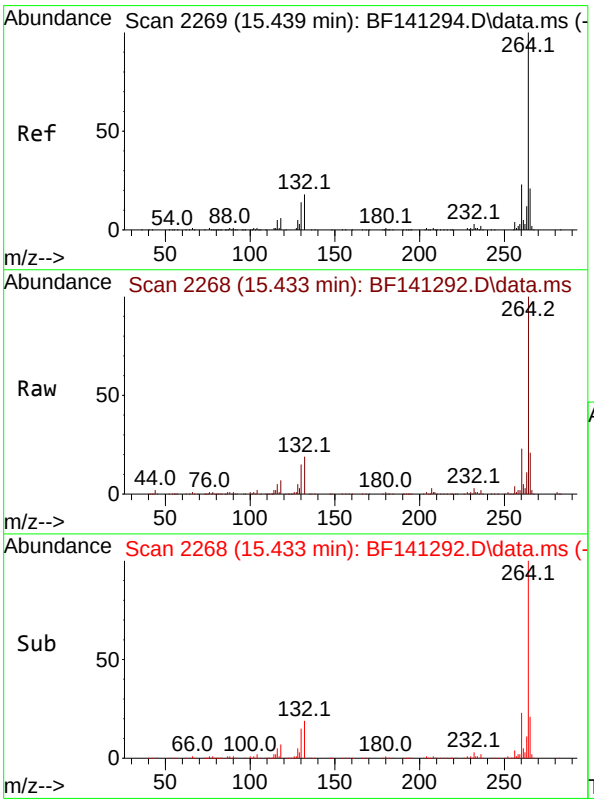
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 11.8 | 9.8 | 14.8 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

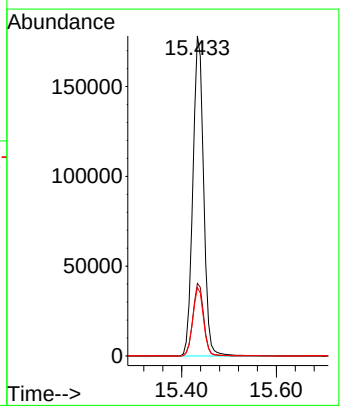


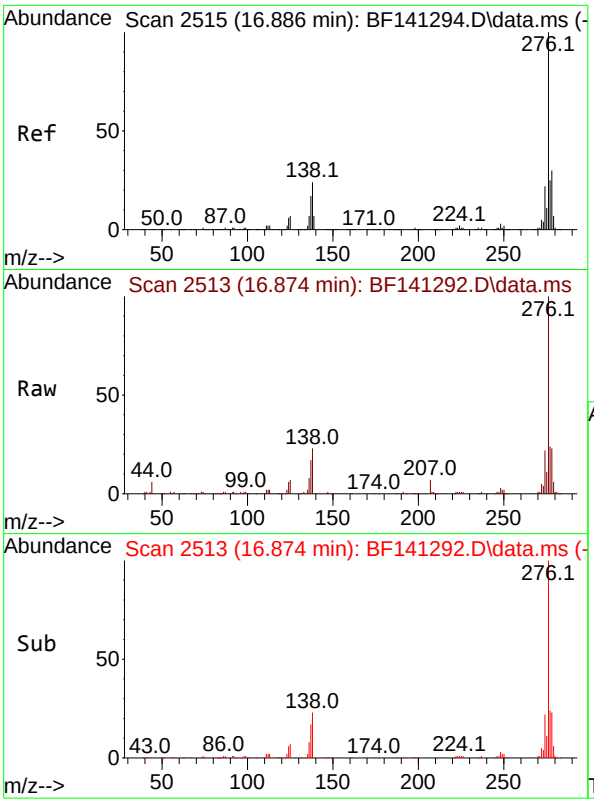




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:264 Resp: 280028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.7 | 18.6 | 27.8 |
| 265 | 21.3 | 16.7 | 25.1 |

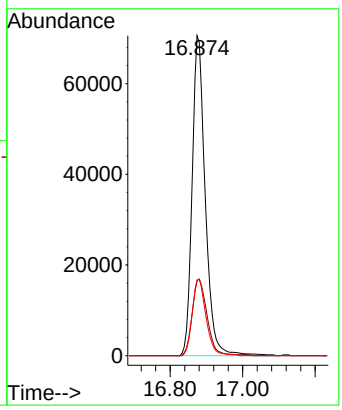





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.708 ng
RT: 16.874 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:276 Resp: 17755

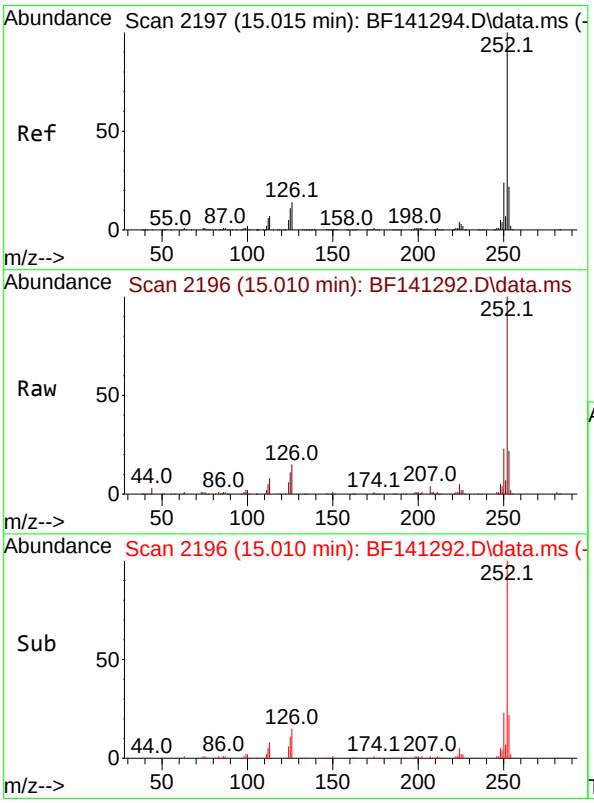
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.1 | 21.7 | 32.5 |
| 277 | 25.1 | 20.3 | 30.5 |




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

**Manual Integrations**
**APPROVED**

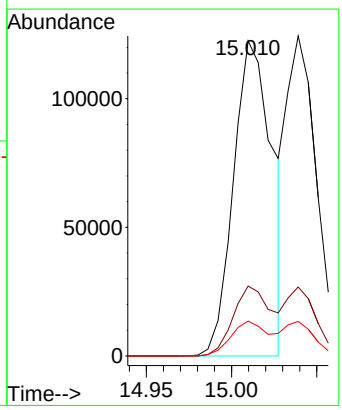
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

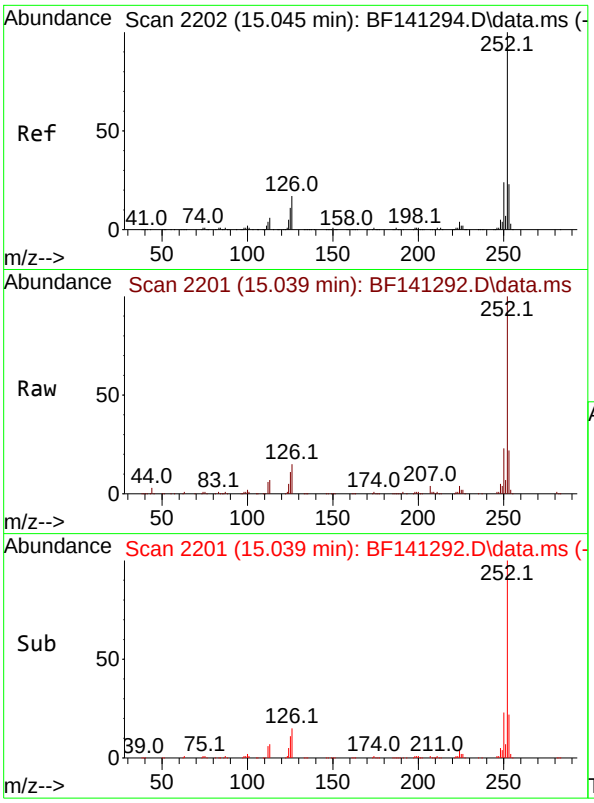



#88
Benzo(b)fluoranthene
Concen: 11.130 ng
RT: 15.010 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:252 Resp: 193558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.4 | 26.2 |
| 125 | 11.1 | 8.6 | 12.8 |

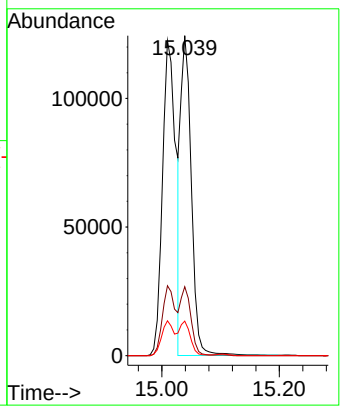





#89
Benzo(k)fluoranthene
Concen: 10.012 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:252 Resp: 15592

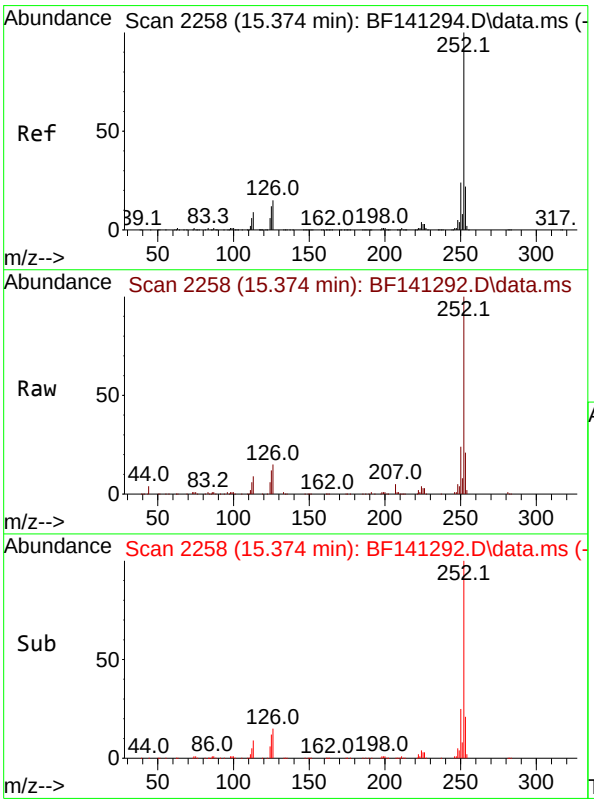
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.6 | 26.4 |
| 125 | 10.8 | 8.4 | 12.6 |




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

**Manual Integrations**
**APPROVED**

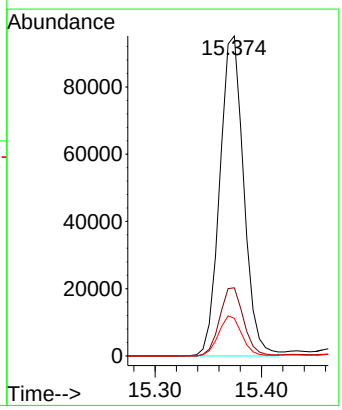
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

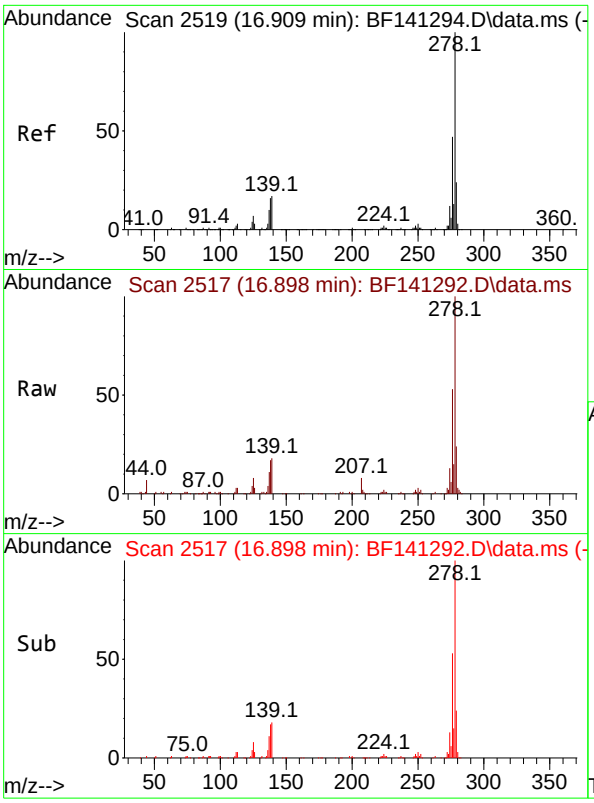



#90
Benzo(a)pyrene
Concen: 9.972 ng
RT: 15.374 min Scan# 2258
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:252 Resp: 148214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.3 | 17.2 | 25.8 |
| 125 | 11.7 | 9.4 | 14.2 |

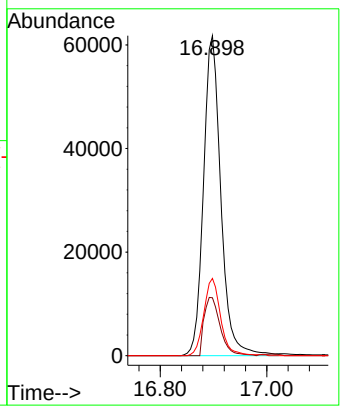





#91
Dibenzo(a,h)anthracene
Concen: 9.559 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:278 Resp: 14014

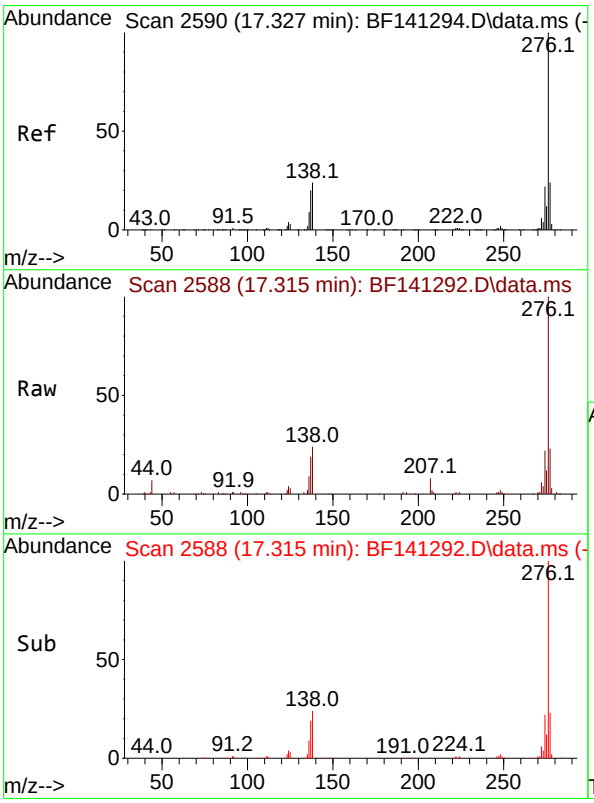
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.1 | 13.9 | 20.9 |
| 279 | 24.2 | 18.8 | 28.2 |




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

**Manual Integrations**
**APPROVED**

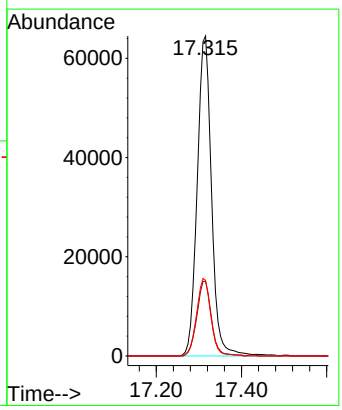
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025




#92
Benzo(g,h,i)perylene
Concen: 9.756 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:276 Resp: 150453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 19.2 | 28.8 |
| 138 | 23.6 | 19.0 | 28.4 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141293.D
Acq On : 29 Jan 2025 15:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 16:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.798 | 152 | 136491 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.081 | 136 | 532862 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.839 | 164 | 293084 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.327 | 188 | 511320 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.974 | 240 | 314234 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.457 | 264 | 289582 | 20.000 | ng | 0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.398 | 112 | 382610 | 43.351 | ng | 0.00 |
| 7) Phenol-d6 | 6.422 | 99 | 475876 | 42.305 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.357 | 82 | 432160 | 42.912 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.627 | 330 | 116167 | 43.498 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.157 | 172 | 819371 | 43.127 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.916 | 244 | 860956 | 42.159 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.481 | 88 | 81467 | 20.794 | ng | 98 |
| 3) Pyridine | 3.210 | 79 | 197852 | 21.116 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.152 | 42 | 112451 | 20.957 | ng | 98 |
| 6) Aniline | 6.457 | 93 | 210459 | 22.385 | ng | 99 |
| 8) 2-Chlorophenol | 6.581 | 128 | 203008 | 21.418 | ng | 96 |
| 9) Benzaldehyde | 6.345 | 77 | 150675 | 23.065 | ng | 100 |
| 10) Phenol | 6.434 | 94 | 257179 | 21.611 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 6.534 | 93 | 194572 | 21.260 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 6.739 | 146 | 224880 | 21.512 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.816 | 146 | 226376 | 21.503 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 6.969 | 146 | 213616 | 21.714 | ng | 99 |
| 15) Benzyl Alcohol | 6.934 | 79 | 166008 | 21.602 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075 | 45 | 340590 | 21.420 | ng | 100 |
| 17) 2-Methylphenol | 7.045 | 107 | 165188 | 21.525 | ng | 99 |
| 18) Hexachloroethane | 7.310 | 117 | 83193 | 21.359 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.204 | 70 | 140874 | 21.058 | ng | 99 |
| 20) 3+4-Methylphenols | 7.198 | 107 | 205070 | 21.734 | ng | 96 |
| 22) Acetophenone | 7.204 | 105 | 275680 | 21.825 | ng | 100 |
| 24) Nitrobenzene | 7.381 | 77 | 224061 | 21.451 | ng | 98 |
| 25) Isophorone | 7.616 | 82 | 369998 | 21.259 | ng | 99 |
| 26) 2-Nitrophenol | 7.698 | 139 | 106287 | 21.725 | ng | 98 |
| 27) 2,4-Dimethylphenol | 7.734 | 122 | 132748m | 21.233 | ng | |
| 28) bis(2-Chloroethoxy)met... | 7.828 | 93 | 237369 | 21.403 | ng | 98 |
| 29) 2,4-Dichlorophenol | 7.934 | 162 | 166153 | 21.750 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.022 | 180 | 188468 | 21.511 | ng | 99 |
| 31) Naphthalene | 8.104 | 128 | 607622 | 21.681 | ng | 100 |
| 32) Benzoic acid | 7.816 | 122 | 126734 | 22.321 | ng | 99 |
| 33) 4-Chloroaniline | 8.151 | 127 | 208531 | 22.151 | ng | 99 |
| 34) Hexachlorobutadiene | 8.222 | 225 | 111274 | 21.699 | ng | 97 |
| 35) Caprolactam | 8.498 | 113 | 54280 | 21.968 | ng | 99 |
| 36) 4-Chloro-3-methylphenol | 8.628 | 107 | 177981 | 21.708 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.792 | 142 | 386035 | 21.630 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.892 | 142 | 378878 | 21.671 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.957 | 216 | 176736 | 21.209 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 8.945 | 237 | 51112 | 20.438 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 9.069 | 196 | 114390 | 21.029 | ng | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141293.D
Acq On : 29 Jan 2025 15:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 16:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.110 | 196 | 125725 | 21.245 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.257 | 154 | 483479 | 21.145 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.281 | 162 | 377946 | 21.282 | ng | | 99 |
| 48) 2-Nitroaniline | 9.375 | 65 | 119359 | 21.310 | ng | | 98 |
| 49) Acenaphthylene | 9.698 | 152 | 531957 | 21.328 | ng | | 99 |
| 50) Dimethylphthalate | 9.557 | 163 | 423377 | 21.542 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.622 | 165 | 97622 | 21.345 | ng | | 96 |
| 52) Acenaphthene | 9.869 | 154 | 378511 | 21.328 | ng | | 99 |
| 53) 3-Nitroaniline | 9.786 | 138 | 100085 | 22.123 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.892 | 184 | 40003 | 18.557 | ng | # | 86 |
| 55) Dibenzofuran | 10.039 | 168 | 514223 | 21.665 | ng | | 100 |
| 56) 4-Nitrophenol | 9.945 | 139 | 73425 | 22.607 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 10.022 | 165 | 129942 | 22.027 | ng | | 98 |
| 58) Fluorene | 10.386 | 166 | 396520 | 21.488 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232 | 99841 | 21.354 | ng | | 99 |
| 60) Diethylphthalate | 10.257 | 149 | 413889 | 21.745 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.380 | 204 | 193134 | 21.446 | ng | | 99 |
| 62) 4-Nitroaniline | 10.398 | 138 | 96692 | 22.250 | ng | | 98 |
| 63) Azobenzene | 10.539 | 77 | 407492 | 21.358 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.427 | 198 | 62572 | 20.492 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 10.498 | 169 | 344387 | 20.773 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.869 | 248 | 119844 | 20.967 | ng | | 98 |
| 68) Hexachlorobenzene | 10.933 | 284 | 126823 | 20.917 | ng | | 99 |
| 69) Atrazine | 11.022 | 200 | 109133 | 19.627 | ng | | 99 |
| 70) Pentachlorophenol | 11.127 | 266 | 74508 | 20.958 | ng | | 98 |
| 71) Phenanthrene | 11.351 | 178 | 584027 | 21.262 | ng | | 100 |
| 72) Anthracene | 11.398 | 178 | 572743 | 21.377 | ng | | 100 |
| 73) Carbazole | 11.557 | 167 | 522100 | 22.000 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.892 | 149 | 636521 | 22.251 | ng | | 100 |
| 75) Fluoranthene | 12.539 | 202 | 611492 | 22.808 | ng | | 100 |
| 77) Benzidine | 12.663 | 184 | 65963 | 6.904 | ng | | 99 |
| 78) Pyrene | 12.769 | 202 | 629228 | 20.739 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.392 | 149 | 232095 | 22.149 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.968 | 228 | 456535 | 21.197 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.927 | 252 | 134298 | 19.914 | ng | | 99 |
| 83) Chrysene | 14.004 | 228 | 421849 | 21.122 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.963 | 149 | 300546 | 22.857 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.604 | 149 | 451748 | 21.964 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.909 | 276 | 387089 | 20.466 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.033 | 252 | 384557 | 21.383 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.062 | 252 | 368801 | 22.900 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.392 | 252 | 327630 | 21.317 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.927 | 278 | 318776 | 21.026 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 17.345 | 276 | 329876 | 20.684 | ng | | 100 |

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

ICAL Form

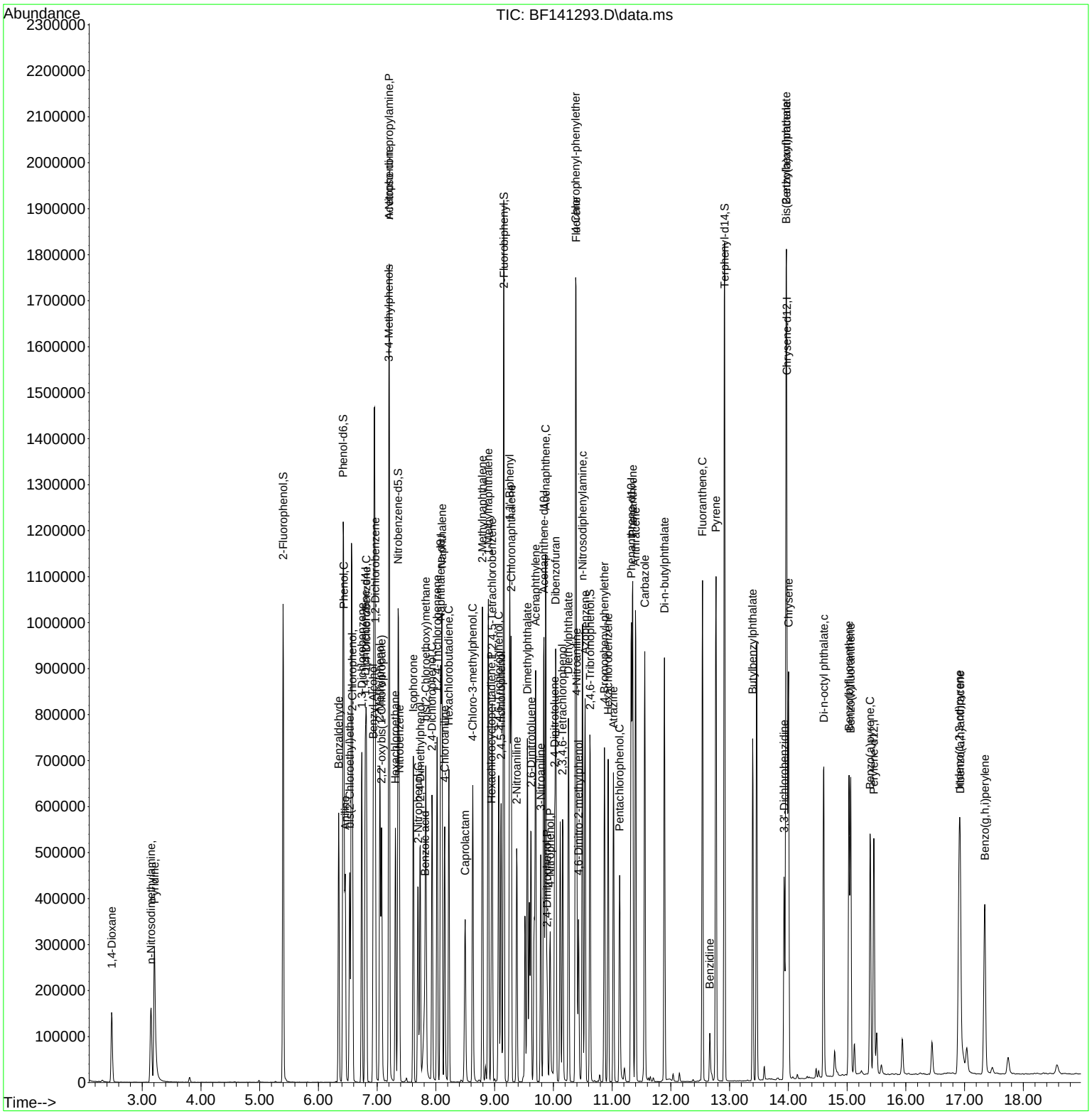
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141293.D
Acq On : 29 Jan 2025 15:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

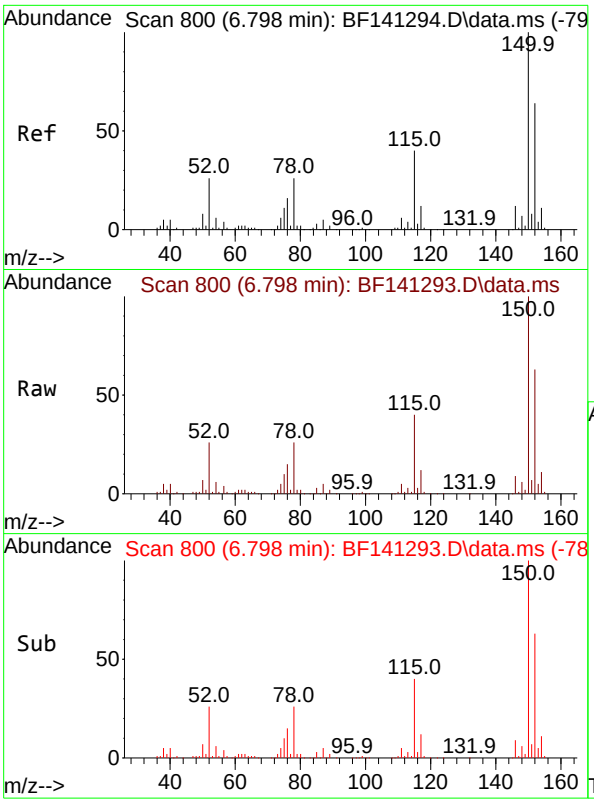
Quant Time: Jan 29 16:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

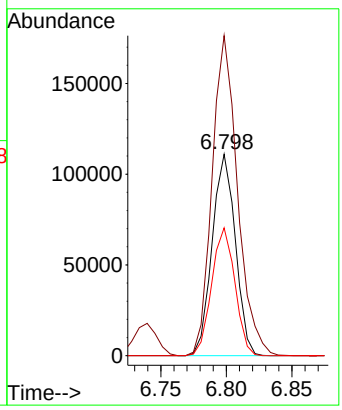





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:152 Resp: 13649

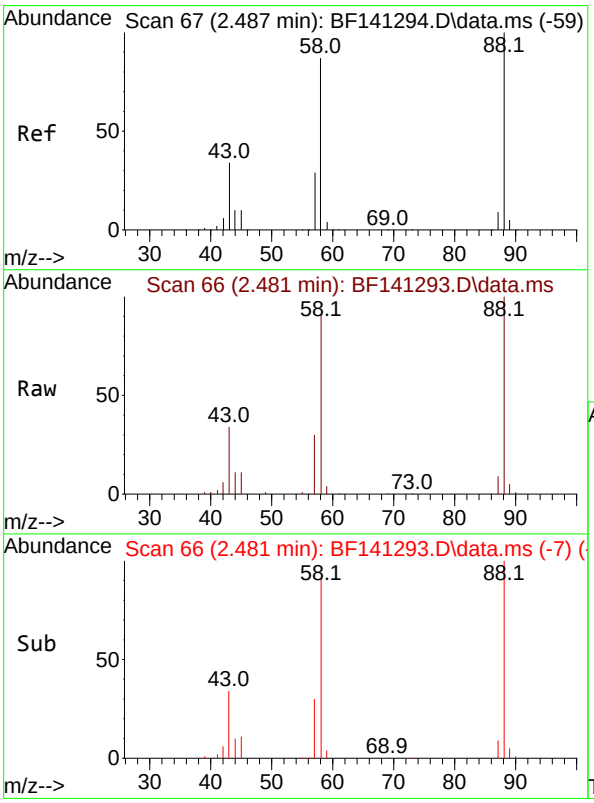
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.9 | 125.9 | 188.9 |
| 115 | 63.5 | 49.7 | 74.5 |




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

**Manual Integrations**
**APPROVED**

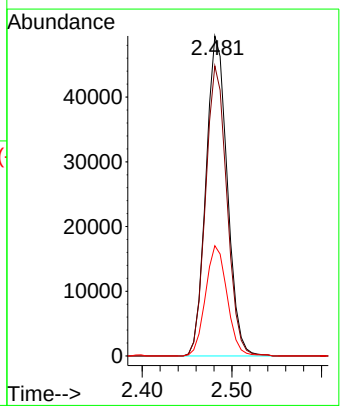
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

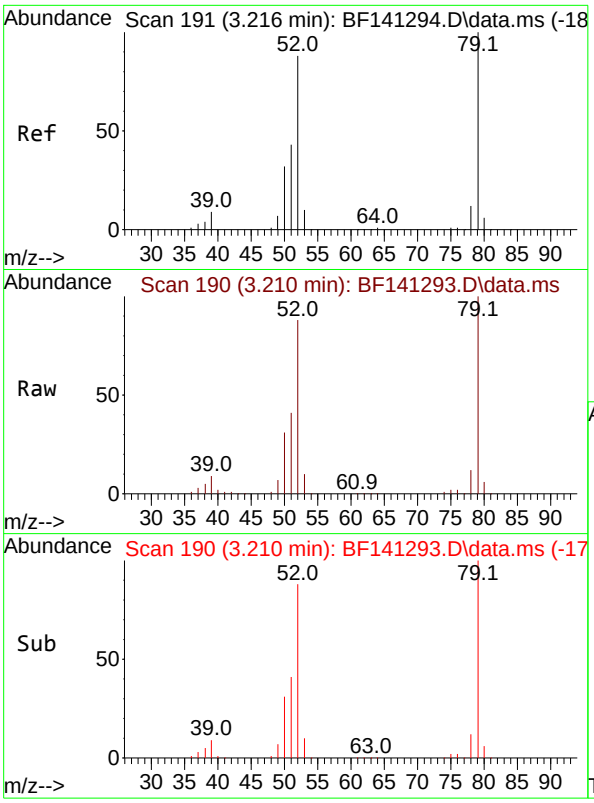



#2
1,4-Dioxane
Concen: 20.794 ng
RT: 2.481 min Scan# 66
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 88 Resp: 81467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 90.4 | 70.2 | 105.4 |
| 43 | 35.0 | 27.6 | 41.4 |

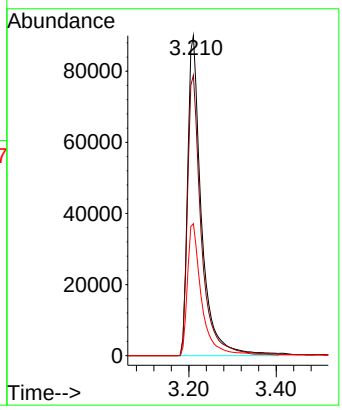





#3
Pyridine
Concen: 21.116 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 79 Resp: 19785

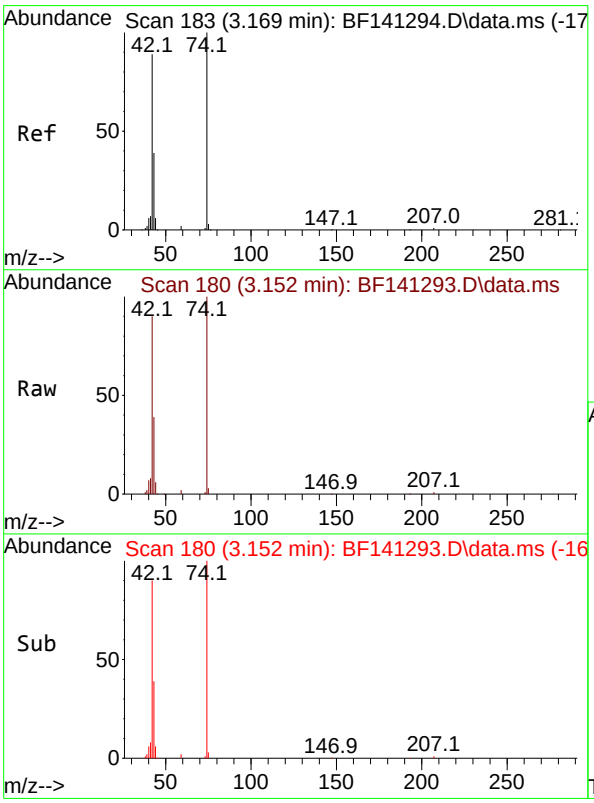
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 87.6 | 70.3 | 105.5 |
| 51 | 41.2 | 34.3 | 51.5 |




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

**Manual Integrations**
**APPROVED**

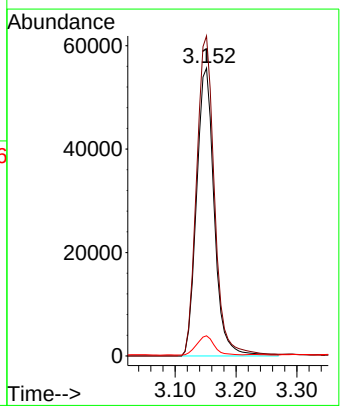
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

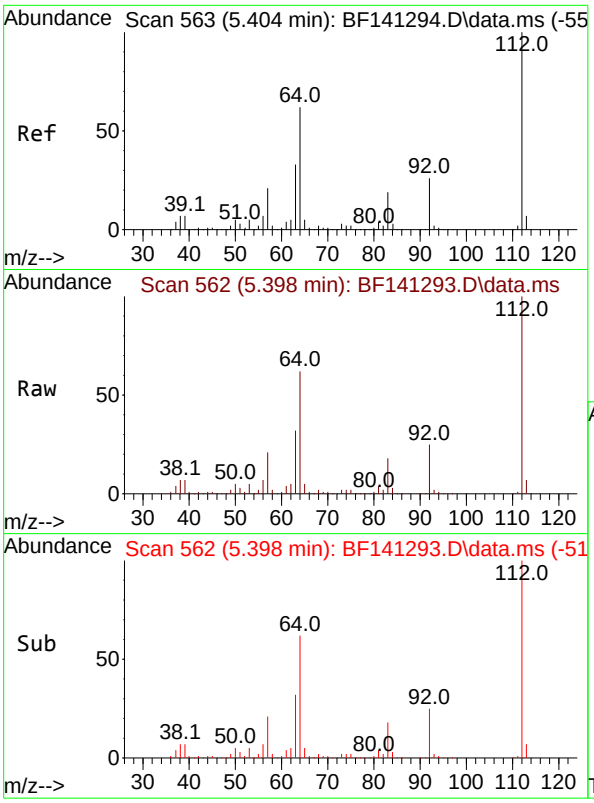



#4
n-Nitrosodimethylamine
Concen: 20.957 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 42 Resp: 112451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 111.2 | 90.3 | 135.5 |
| 44 | 7.0 | 5.7 | 8.5 |

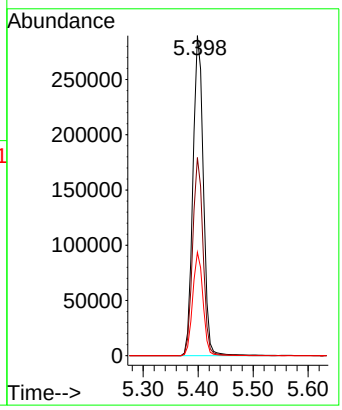





#5
2-Fluorophenol
Concen: 43.351 ng
RT: 5.398 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:112 Resp: 38261

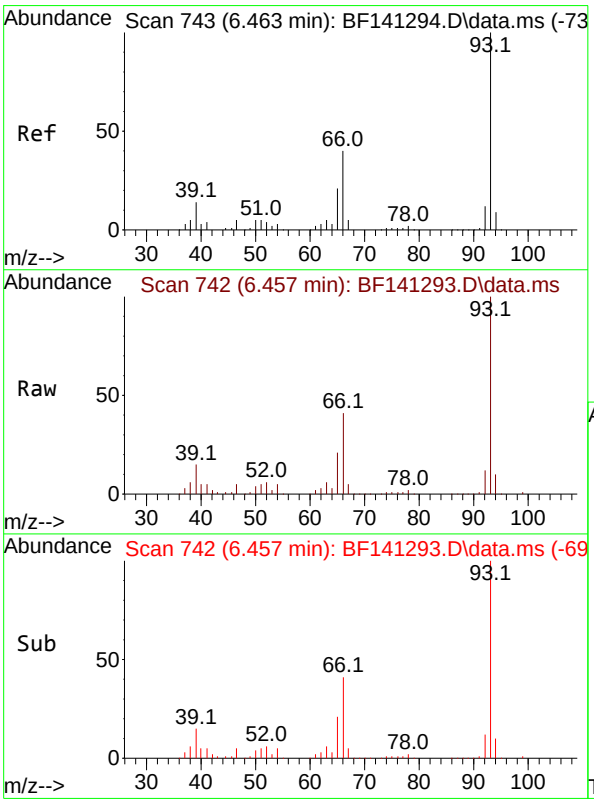
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.9 | 49.8 | 74.8 |
| 63 | 32.3 | 26.1 | 39.1 |




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

**Manual Integrations**
**APPROVED**

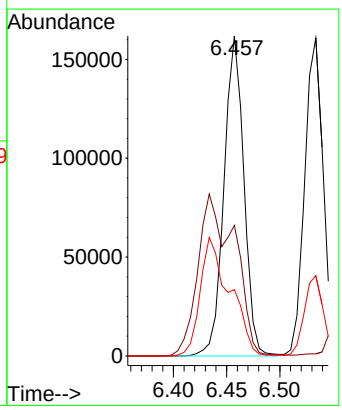
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

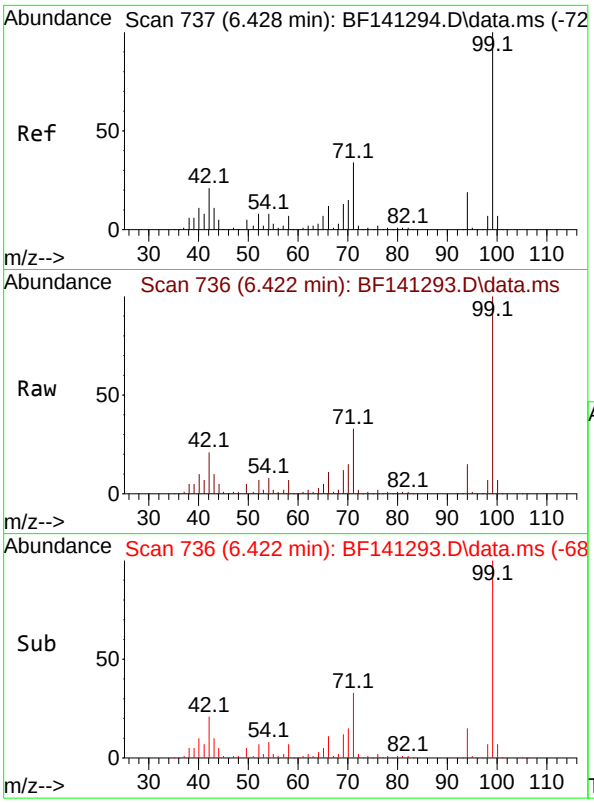



#6
Aniline
Concen: 22.385 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 93 Resp: 210459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.8 | 32.5 | 48.7 |
| 65 | 20.7 | 17.0 | 25.6 |

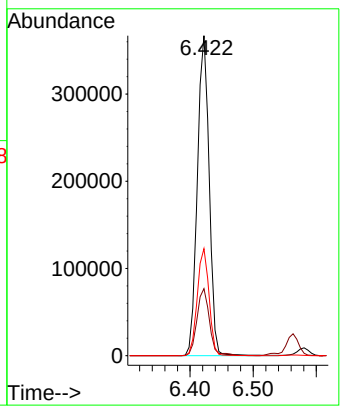





#7
Phenol-d6
Concen: 42.305 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 99 Resp: 47587

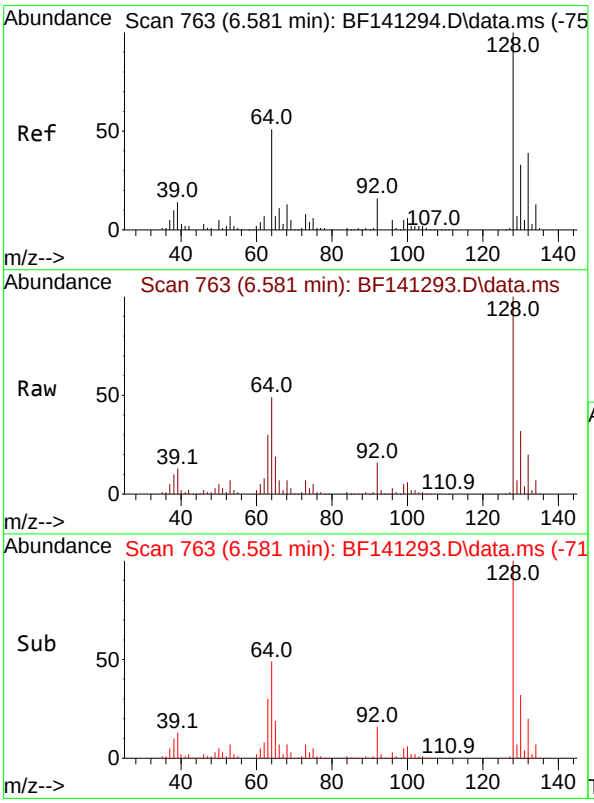
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.9 | 17.1 | 25.7 |
| 71 | 33.5 | 26.9 | 40.3 |




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

**Manual Integrations**
**APPROVED**

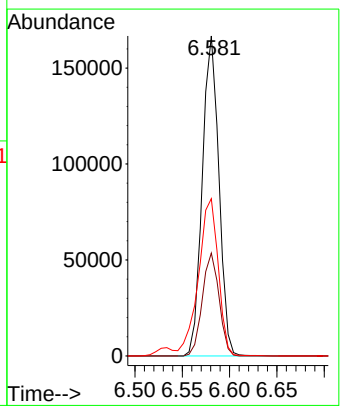
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

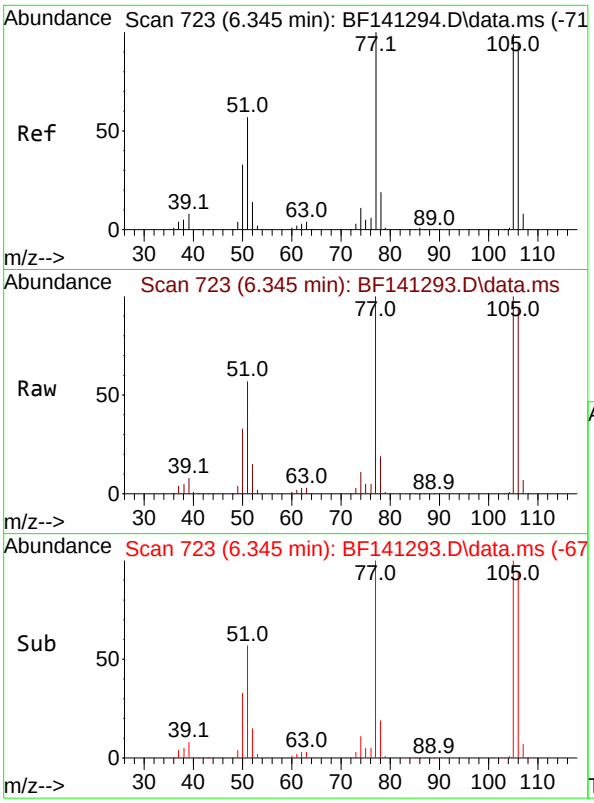



#8
2-Chlorophenol
Concen: 21.418 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:128 Resp: 203008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.1 | 12.5 | 52.5 |
| 64 | 49.1 | 32.9 | 72.9 |

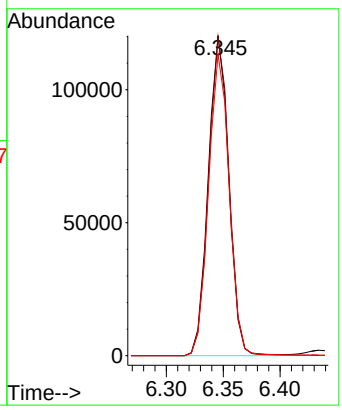





#9
Benzaldehyde
Concen: 23.065 ng
RT: 6.345 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 77 Resp: 15067

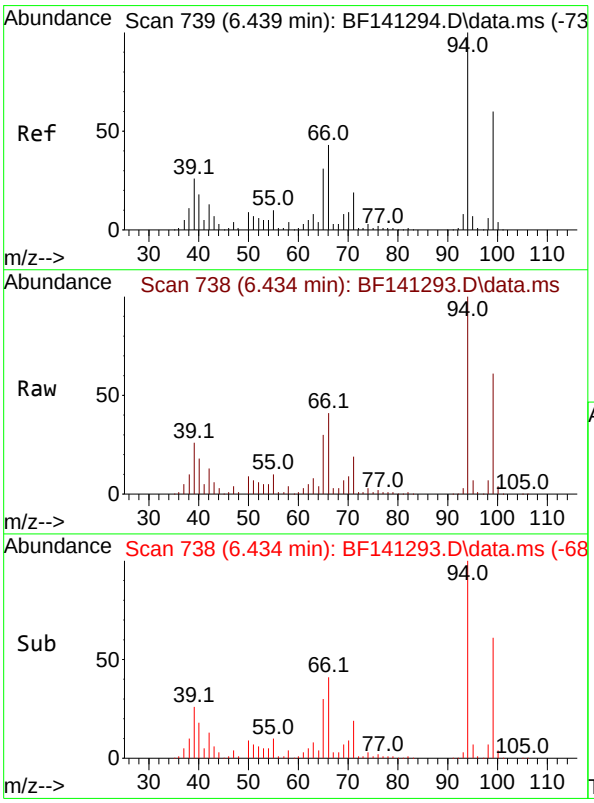
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.7 | 79.4 | 119.4 |
| 106 | 94.2 | 74.6 | 114.6 |




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

**Manual Integrations**
**APPROVED**

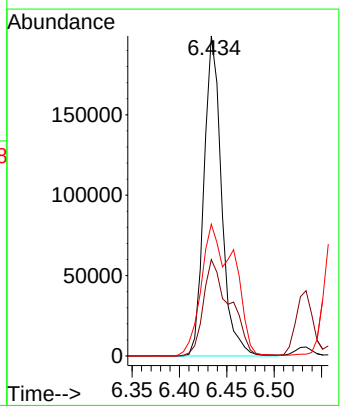
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

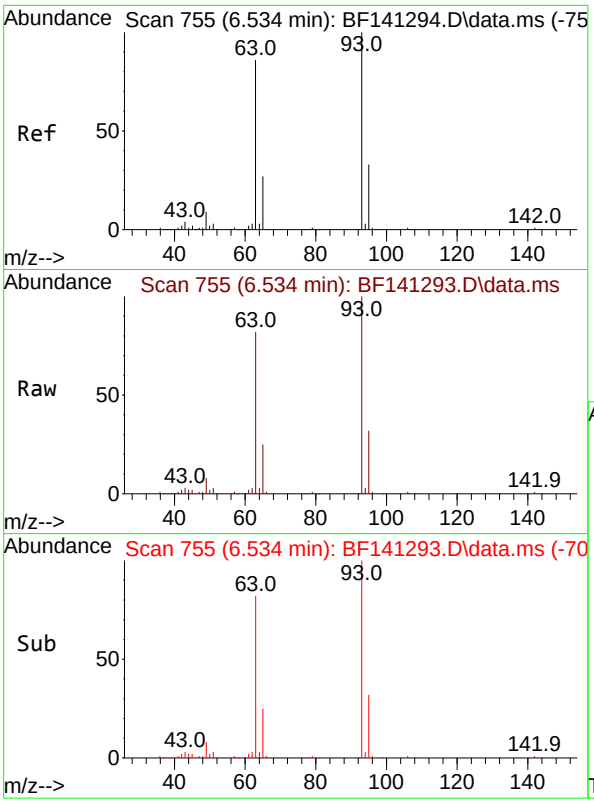



#10
Phenol
Concen: 21.611 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 94 Resp: 257179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 30.1 | 10.8 | 50.8 |
| 66 | 41.1 | 23.3 | 63.3 |

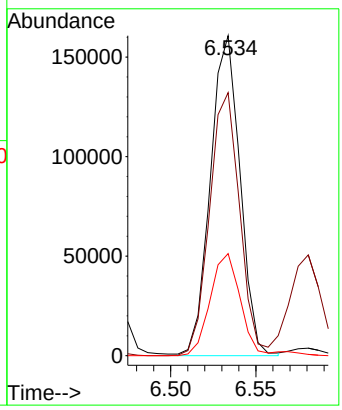





#11
bis(2-Chloroethyl)ether
Concen: 21.260 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 93 Resp: 19457

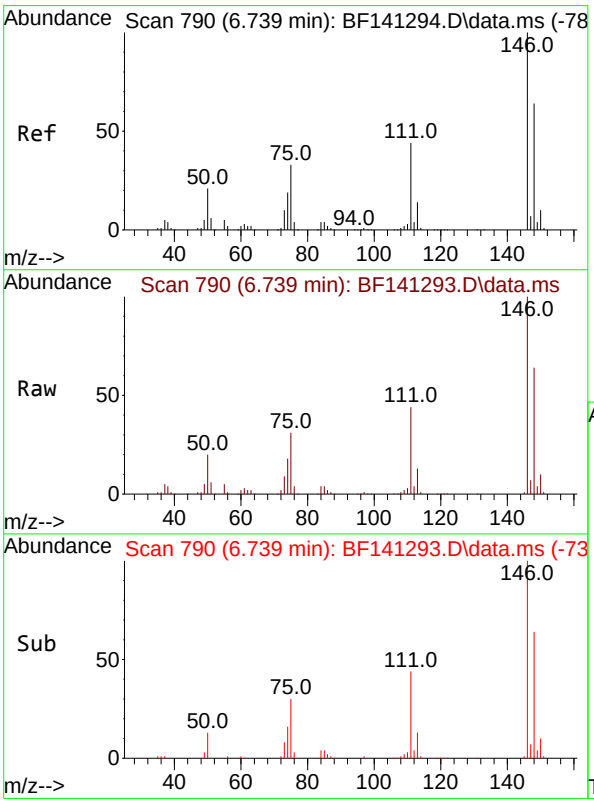
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 82.2 | 65.0 | 105.0 |
| 95 | 31.9 | 12.4 | 52.4 |




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

**Manual Integrations**
**APPROVED**

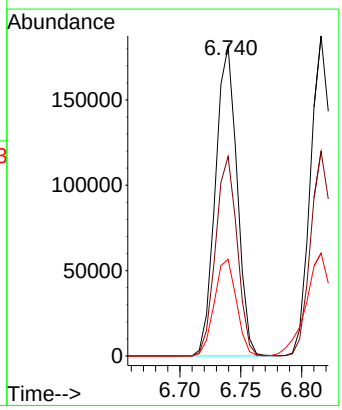
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

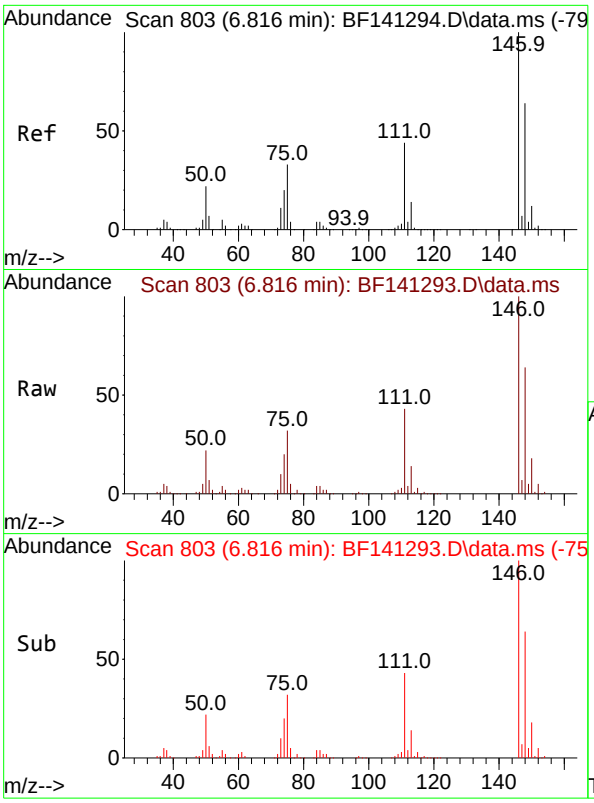



#12
1,3-Dichlorobenzene
Concen: 21.512 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:146 Resp: 224880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.2 | 76.8 |
| 75 | 31.2 | 26.2 | 39.4 |

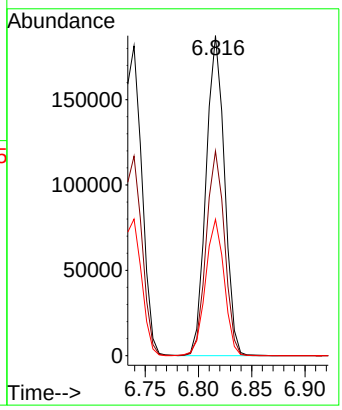





#13
1,4-Dichlorobenzene
Concen: 21.503 ng
RT: 6.816 min Scan# 8(
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:146 Resp: 22637(

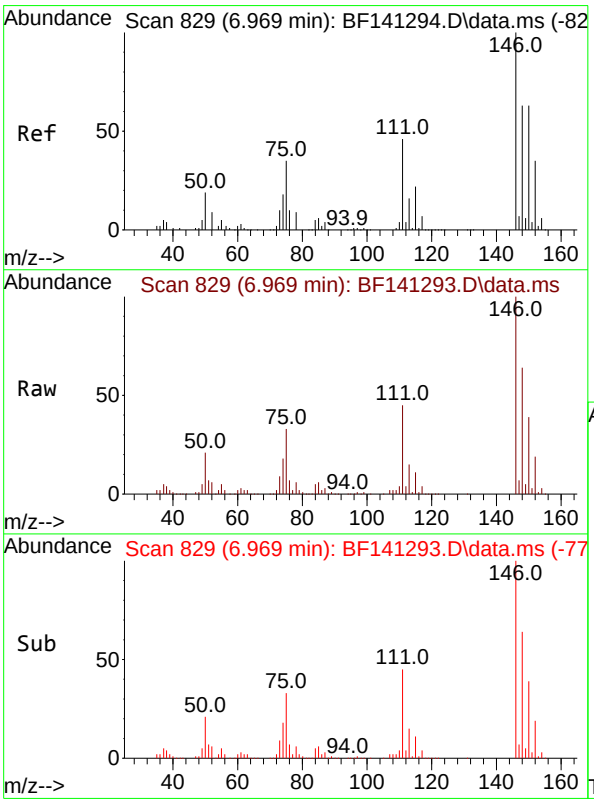
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 51.2 | 76.8 |
| 111 | 42.6 | 35.0 | 52.4 |




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

**Manual Integrations**
**APPROVED**

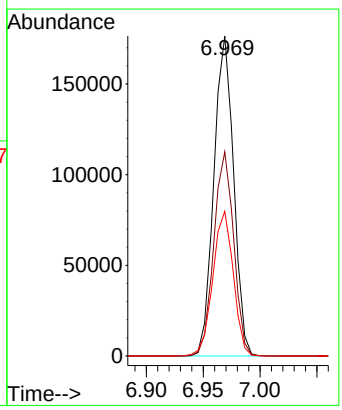
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

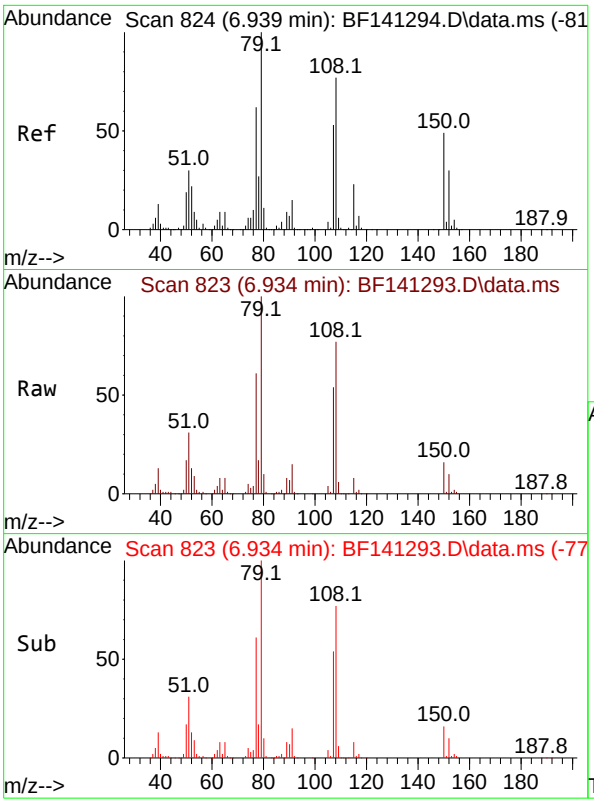



#14
1,2-Dichlorobenzene
Concen: 21.714 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:146 Resp: 213616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 50.5 | 75.7 |
| 111 | 45.2 | 36.6 | 55.0 |

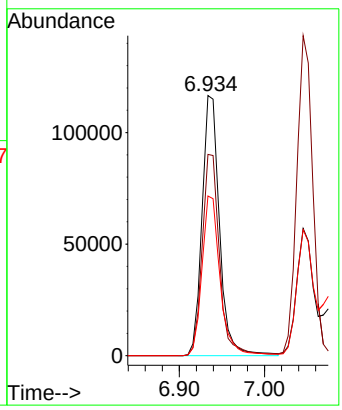





#15
Benzyl Alcohol
Concen: 21.602 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 79 Resp: 16600

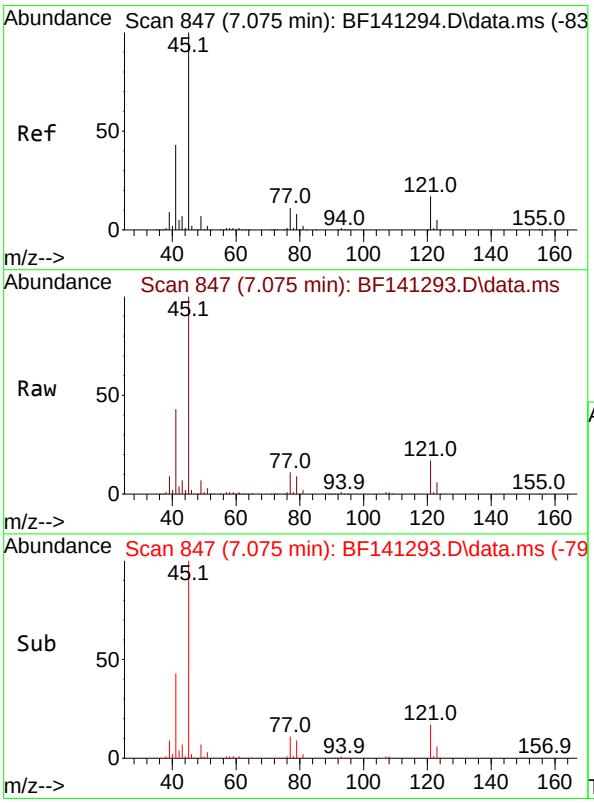
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 77.4 | 61.4 | 92.0 |
| 77 | 61.4 | 49.9 | 74.9 |




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

**Manual Integrations**
**APPROVED**

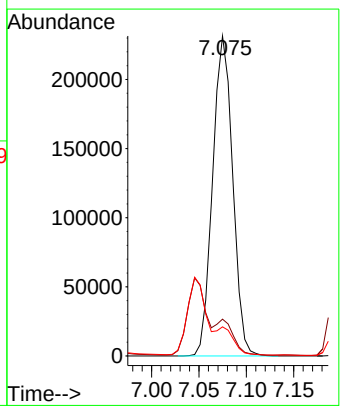
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

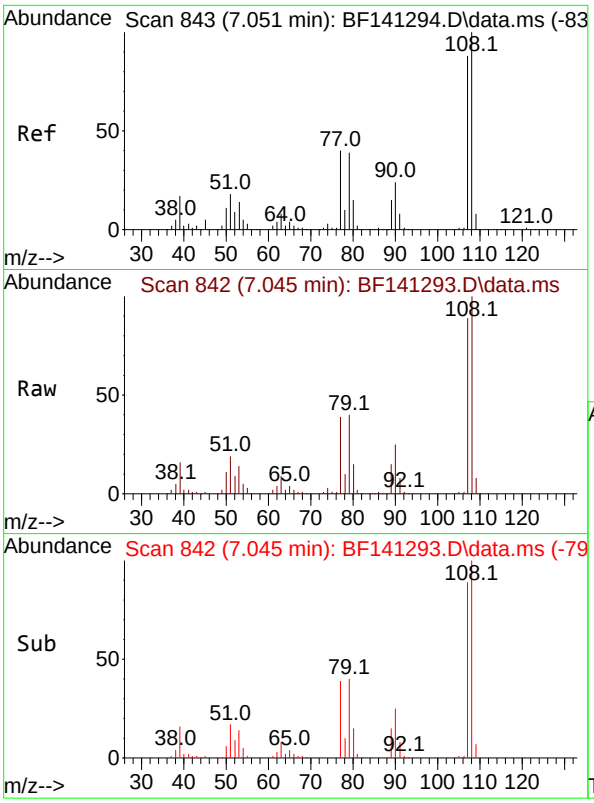



#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.420 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 45 Resp: 340590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 11.5 | 0.0 | 31.8 |
| 79 | 9.1 | 0.0 | 29.1 |

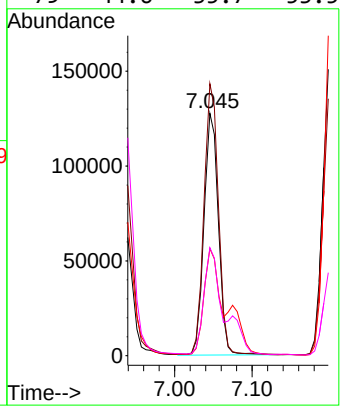





#17
2-Methylphenol
Concen: 21.525 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:107 Resp: 16518

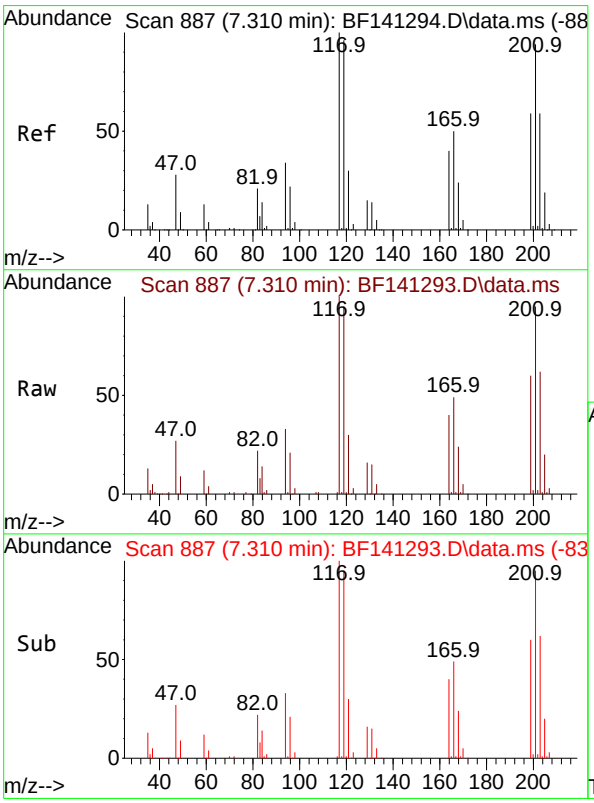
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.2 | 90.8 | 136.2 |
| 77 | 44.2 | 36.2 | 54.4 |
| 79 | 44.6 | 35.7 | 53.5 |




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

**Manual Integrations**
**APPROVED**

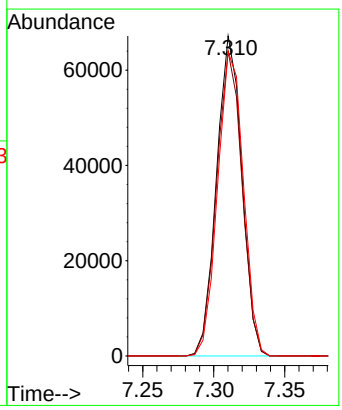
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

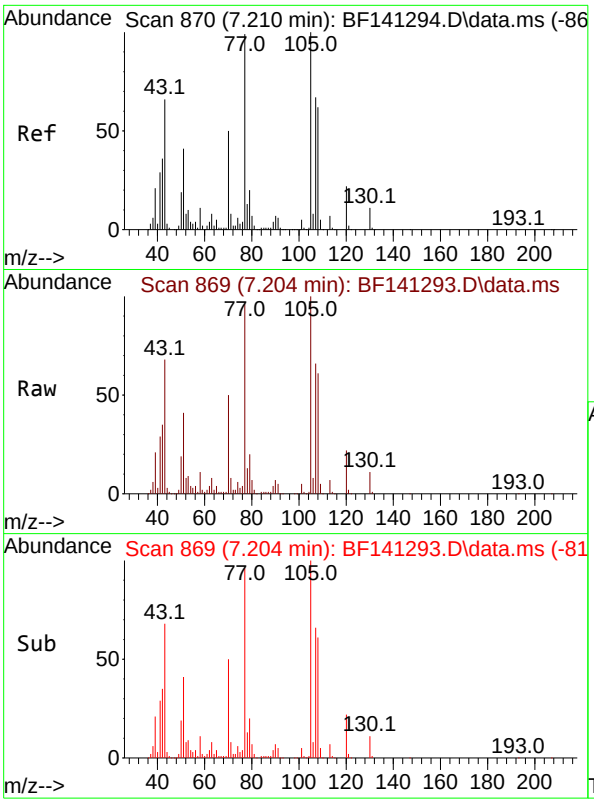



#18
Hexachloroethane
Concen: 21.359 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:117 Resp: 83193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.2 | 76.6 | 114.8 |
| 201 | 95.1 | 74.8 | 112.2 |

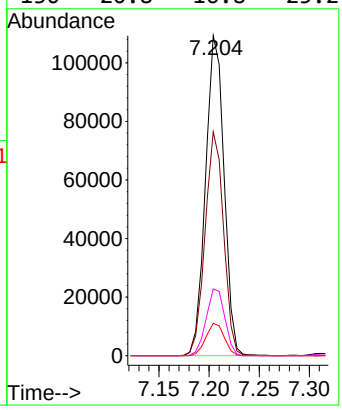





#19
n-Nitroso-di-n-propylamine
Concen: 21.058 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 70 Resp: 14087

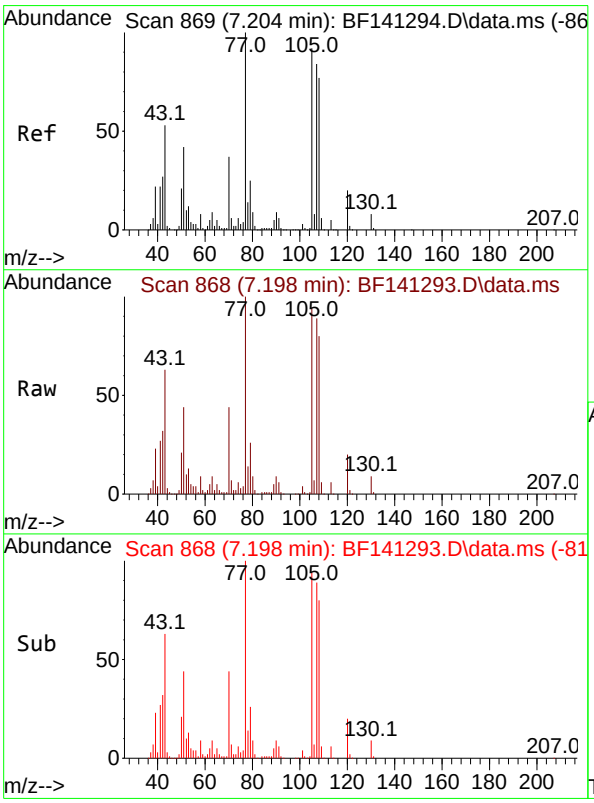
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 69.9 | 56.8 | 85.2 |
| 101 | 10.1 | 7.7 | 11.5 |
| 130 | 20.8 | 16.8 | 25.2 |




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

**Manual Integrations**
**APPROVED**

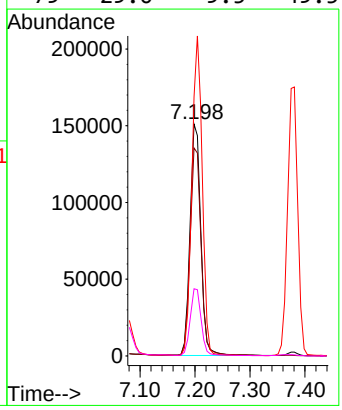
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

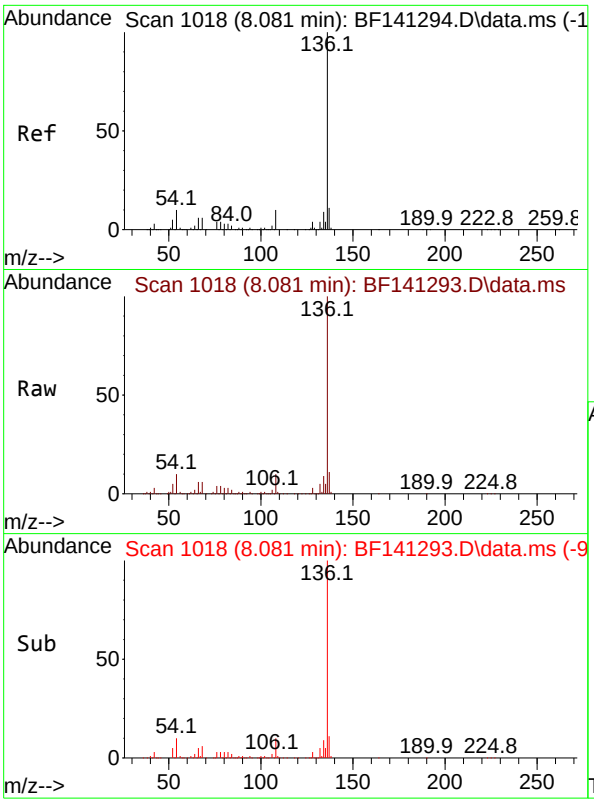



#20
3+4-Methylphenols
Concen: 21.734 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:107 Resp: 205070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.7 | 70.9 | 110.9 |
| 77 | 111.7 | 98.5 | 138.5 |
| 79 | 29.0 | 9.5 | 49.5 |

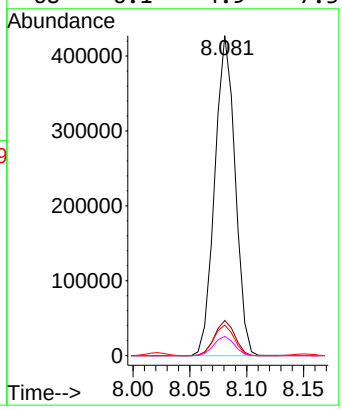





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:136 Resp: 53286

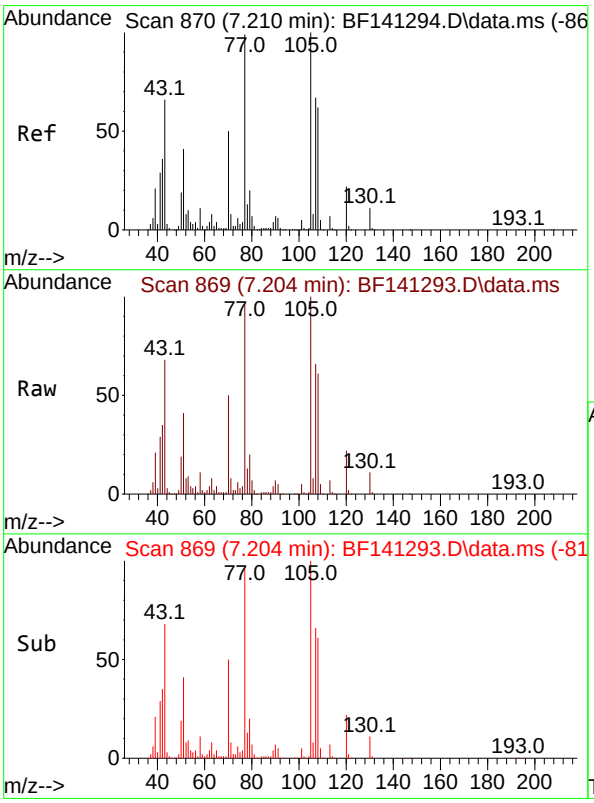
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.6 | 13.0 |
| 54 | 9.6 | 7.8 | 11.8 |
| 68 | 6.1 | 4.9 | 7.3 |




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

**Manual Integrations APPROVED**

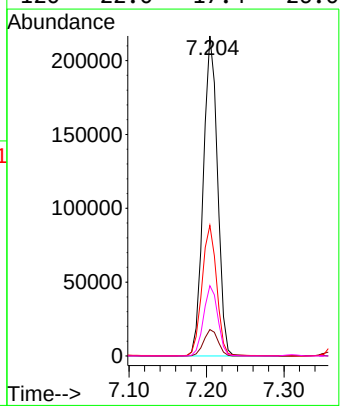
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

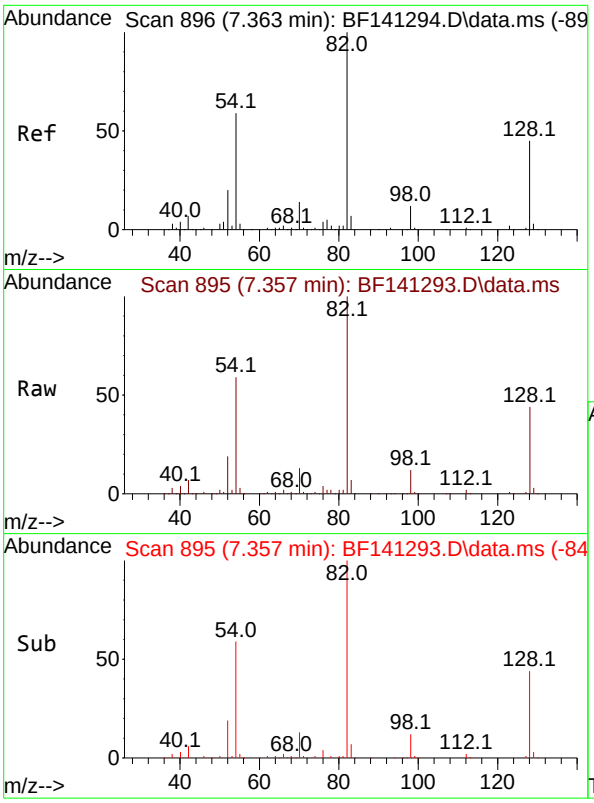



#22
Acetophenone
Concen: 21.825 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:105 Resp: 275680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.2 | 6.8 | 10.2 |
| 51 | 40.8 | 32.6 | 49.0 |
| 120 | 22.0 | 17.4 | 26.0 |

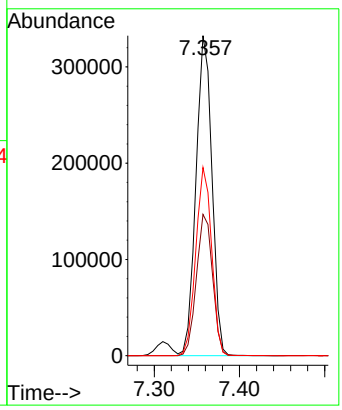





#23
Nitrobenzene-d5
Concen: 42.912 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 82 Resp: 43216

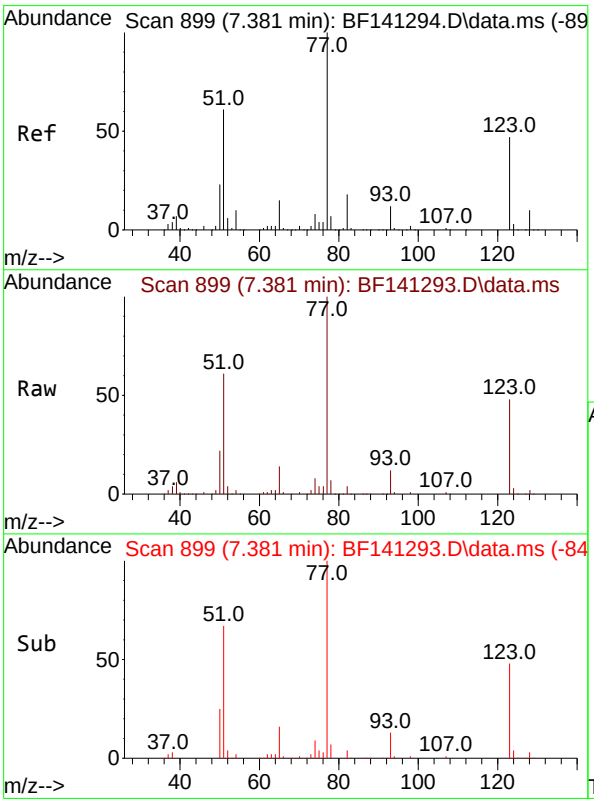
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.2 | 35.7 | 53.5 |
| 54 | 58.8 | 47.1 | 70.7 |




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

**Manual Integrations**
**APPROVED**

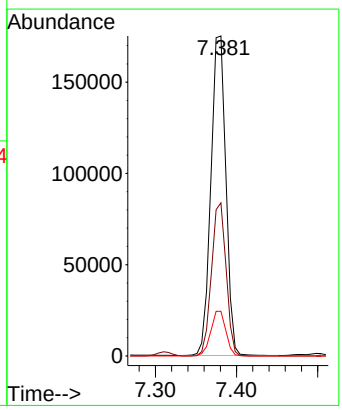
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

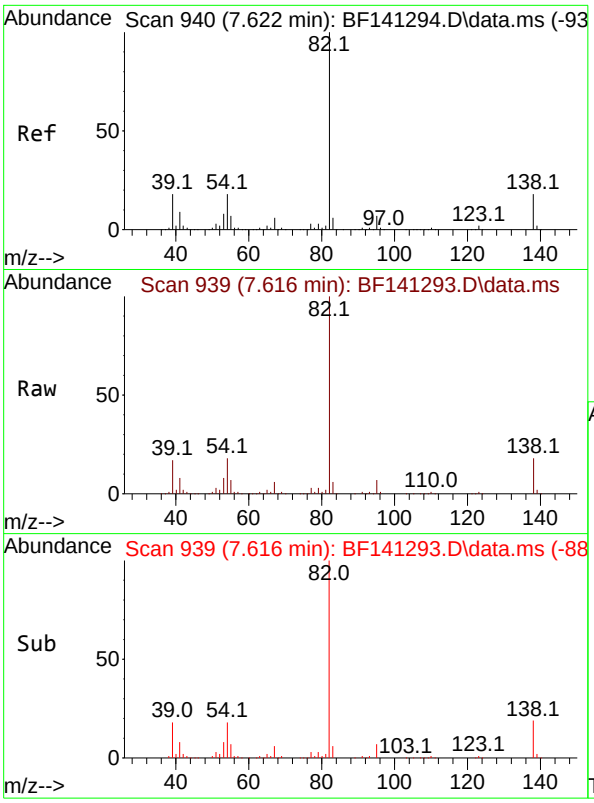



#24
Nitrobenzene
Concen: 21.451 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 77 Resp: 224061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.8 | 37.3 | 55.9 |
| 65 | 13.9 | 11.8 | 17.6 |

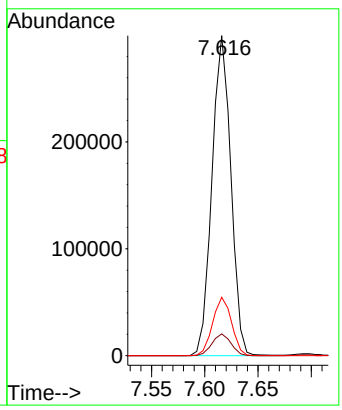





#25
Isophorone
Concen: 21.259 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 82 Resp: 36999

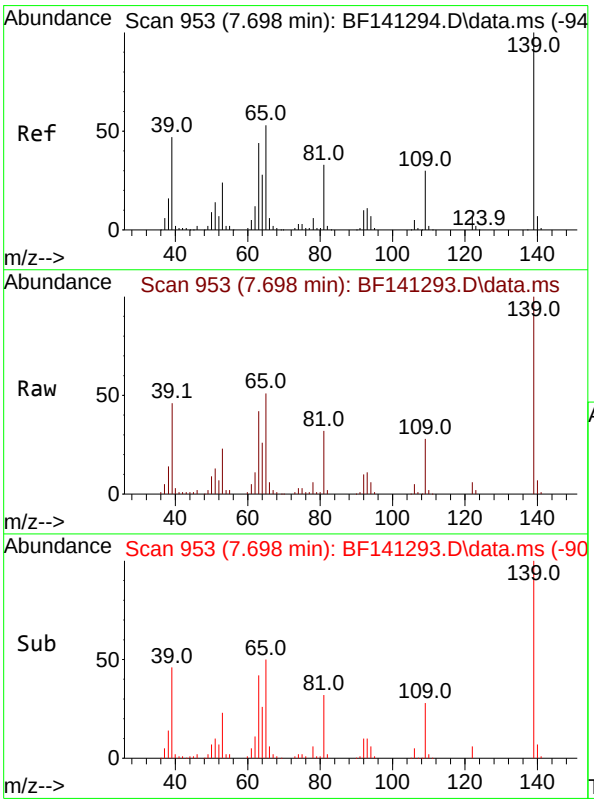
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.8 | 5.8 | 8.6 |
| 138 | 18.2 | 14.7 | 22.1 |




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

**Manual Integrations**
**APPROVED**

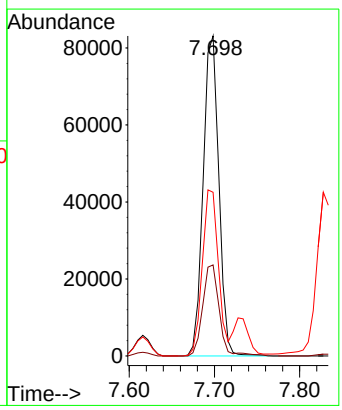
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

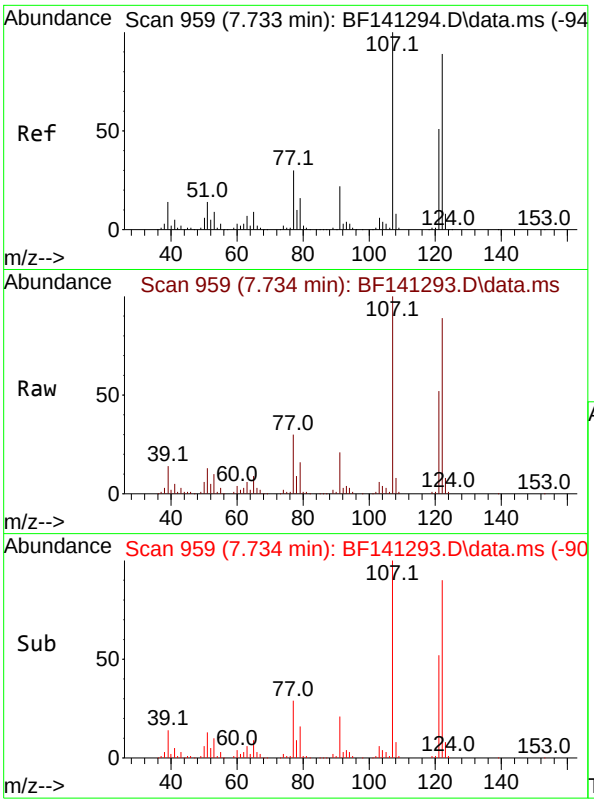



#26
2-Nitrophenol
Concen: 21.725 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:139 Resp: 106287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 28.5 | 23.8 | 35.6 |
| 65 | 51.2 | 42.2 | 63.4 |

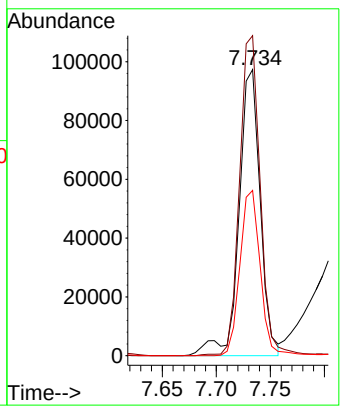





#27
2,4-Dimethylphenol
Concen: 21.233 ng m
RT: 7.734 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:122 Resp: 13274

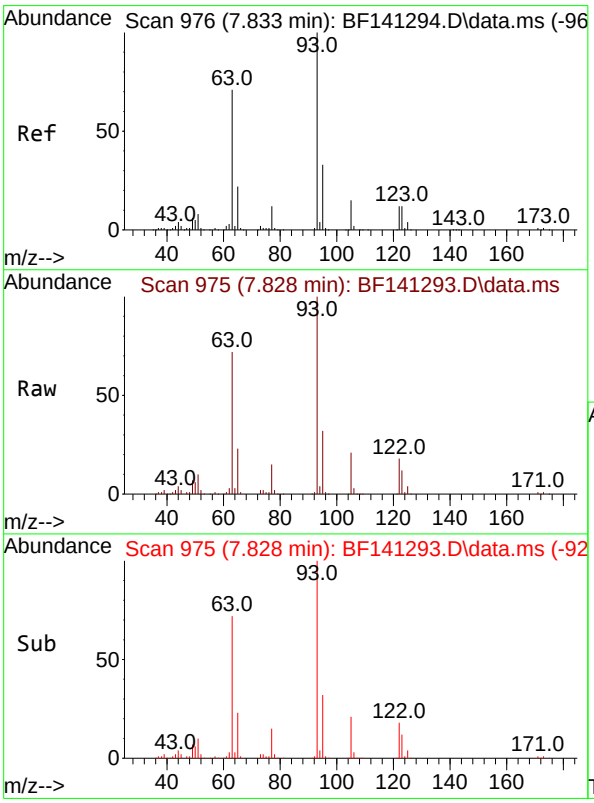
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 111.9 | 89.9 | 134.9 |
| 121 | 57.8 | 46.1 | 69.1 |




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

**Manual Integrations**
**APPROVED**

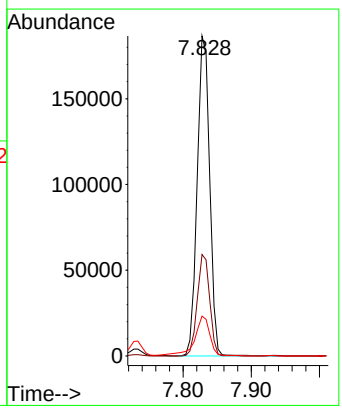
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

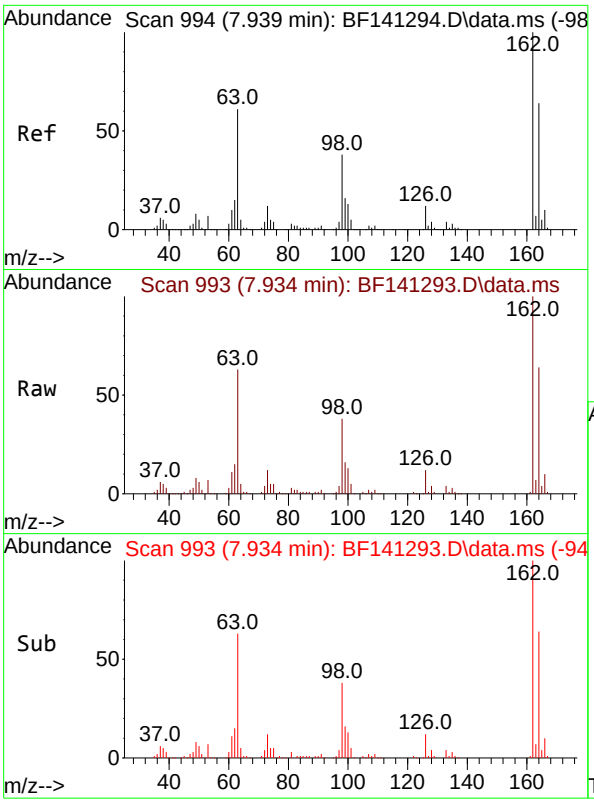



#28
bis(2-Chloroethoxy)methane
Concen: 21.403 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 93 Resp: 237369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 31.7 | 26.2 | 39.2 |
| 123 | 12.5 | 10.2 | 15.4 |

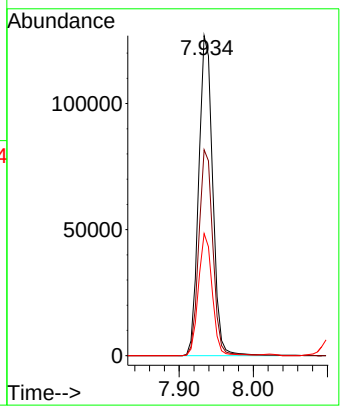





#29
2,4-Dichlorophenol
Concen: 21.750 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:162 Resp: 16615

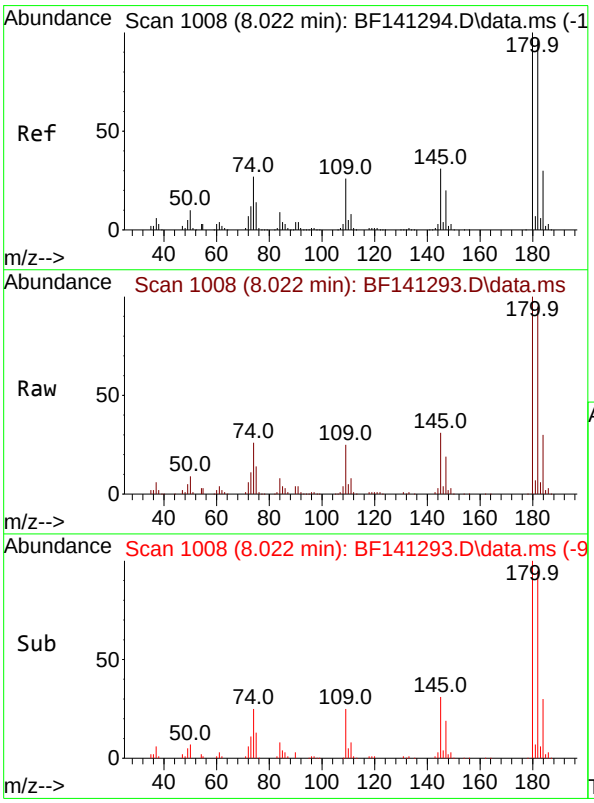
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.4 | 44.2 | 84.2 |
| 98 | 38.1 | 18.2 | 58.2 |




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

**Manual Integrations**
**APPROVED**

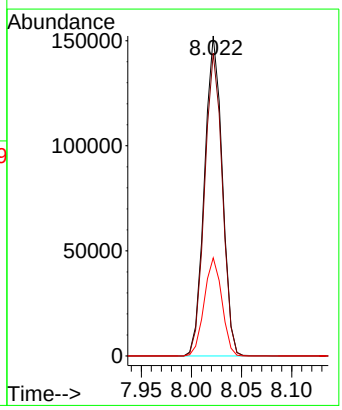
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

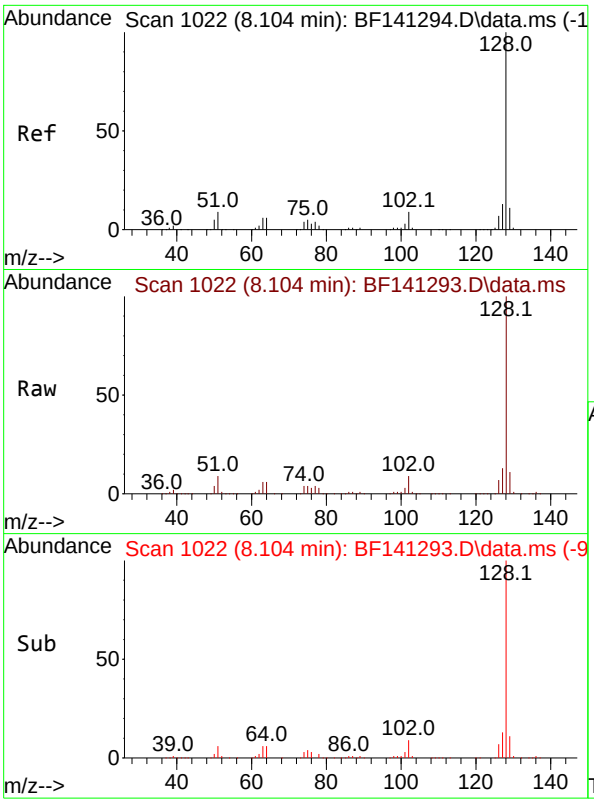



#30
1,2,4-Trichlorobenzene
Concen: 21.511 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:180 Resp: 188468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.7 | 76.4 | 114.6 |
| 145 | 30.6 | 24.9 | 37.3 |

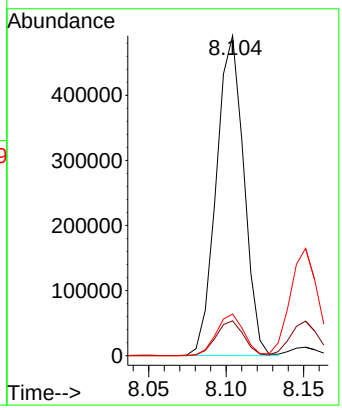





#31
Naphthalene
Concen: 21.681 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:128 Resp: 60762

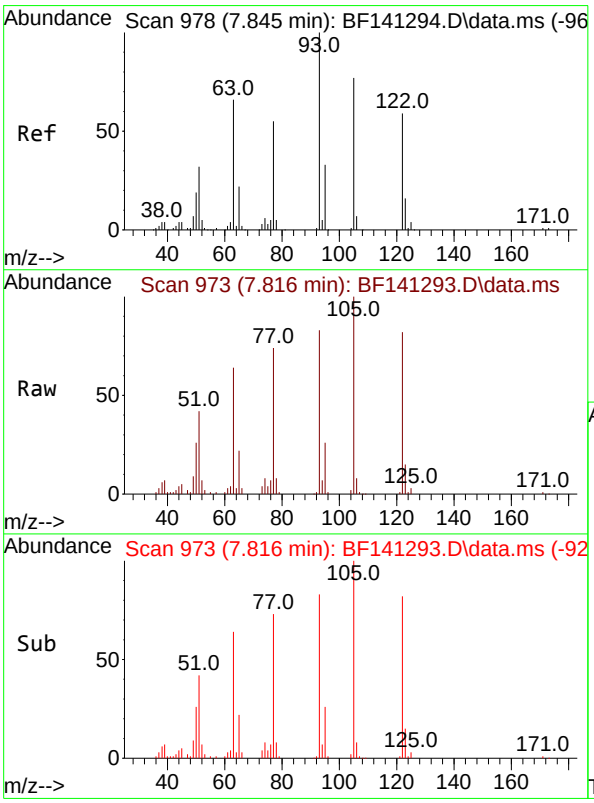
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.9 | 13.3 |
| 127 | 13.0 | 10.6 | 15.8 |




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

**Manual Integrations**
**APPROVED**

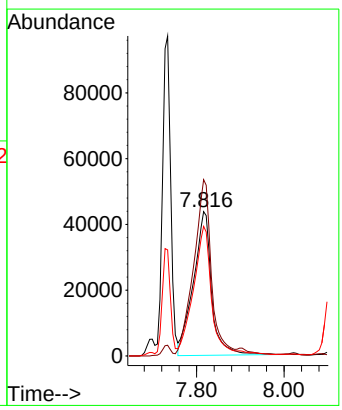
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

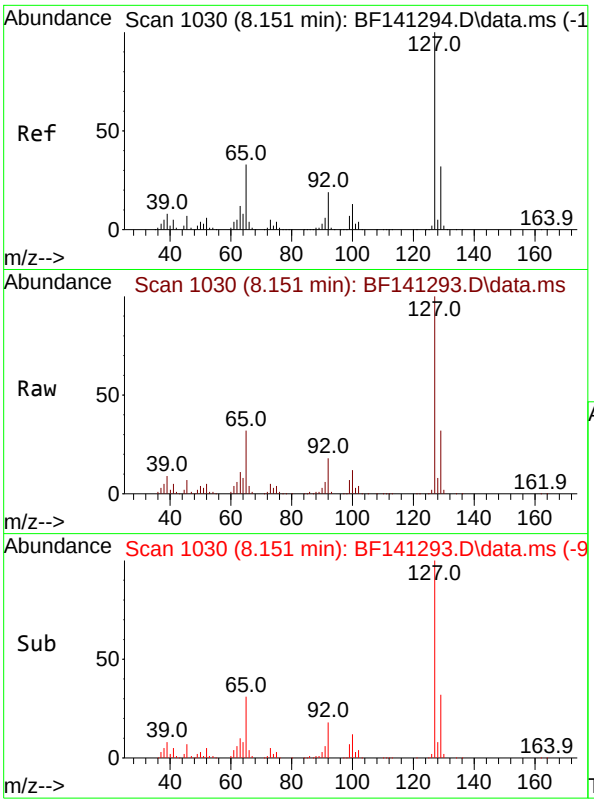



#32
Benzoic acid
Concen: 22.321 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.029 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:122 Resp: 126734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 122.2 | 103.4 | 143.4 |
| 77 | 89.9 | 70.9 | 110.9 |

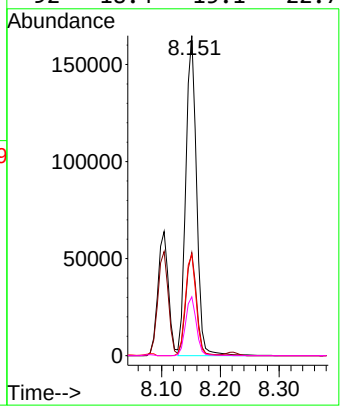





#33
4-Chloroaniline
Concen: 22.151 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:127 Resp: 20853

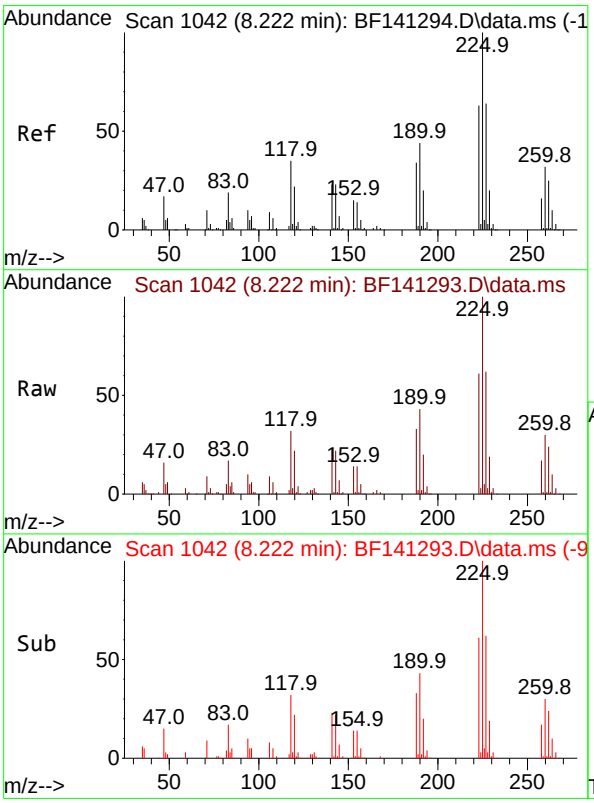
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.2 | 25.7 | 38.5 |
| 65 | 31.6 | 26.4 | 39.6 |
| 92 | 18.4 | 15.1 | 22.7 |




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

**Manual Integrations**
**APPROVED**

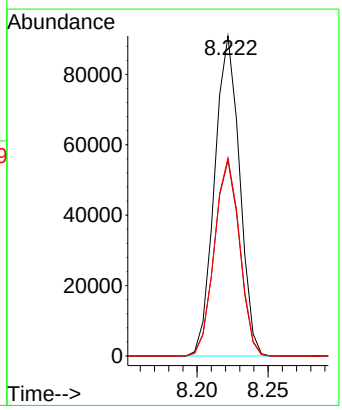
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

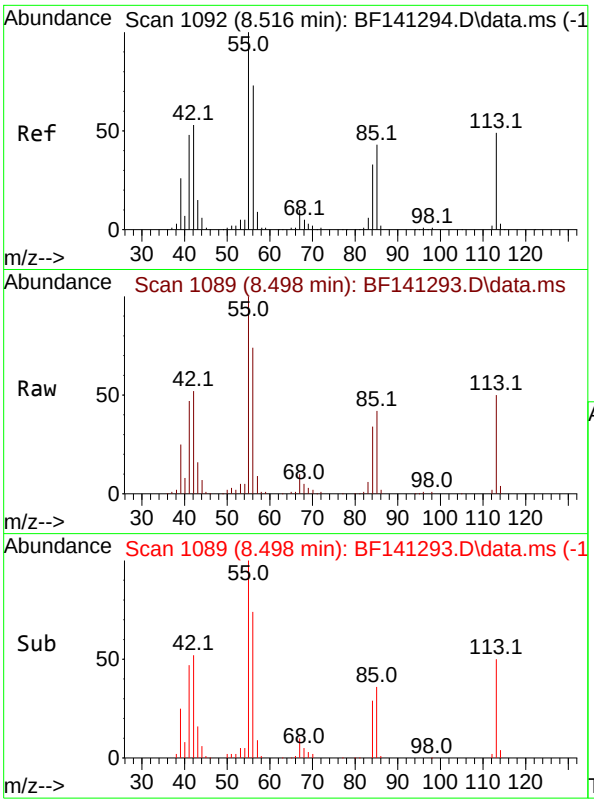



#34
Hexachlorobutadiene
Concen: 21.699 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:225 Resp: 111274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.0 | 50.4 | 75.6 |
| 227 | 61.9 | 51.3 | 76.9 |






#35
Caprolactam
Concen: 21.968 ng
RT: 8.498 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

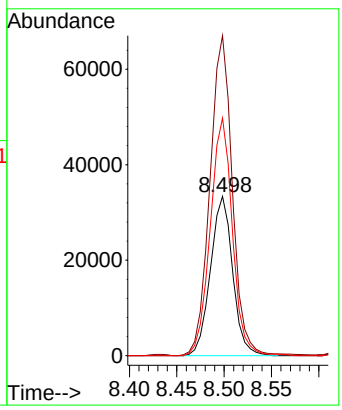
Tgt Ion:113 Resp: 5428

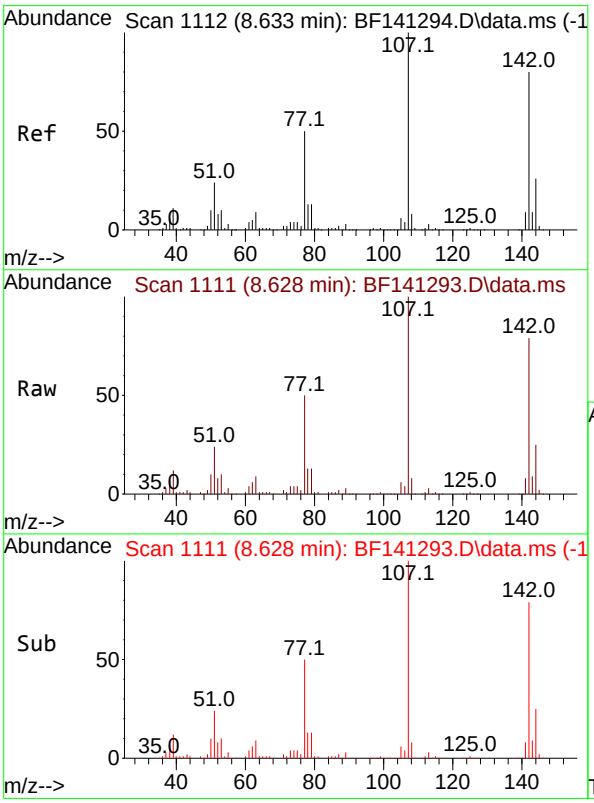
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 200.9 | 182.9 | 222.9 |
| 56 | 149.2 | 127.9 | 167.9 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

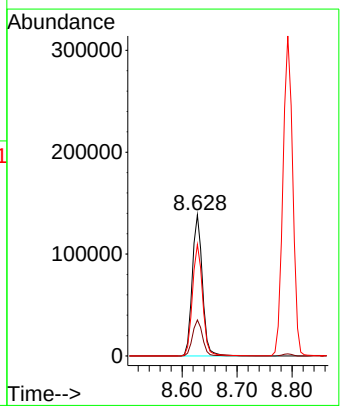


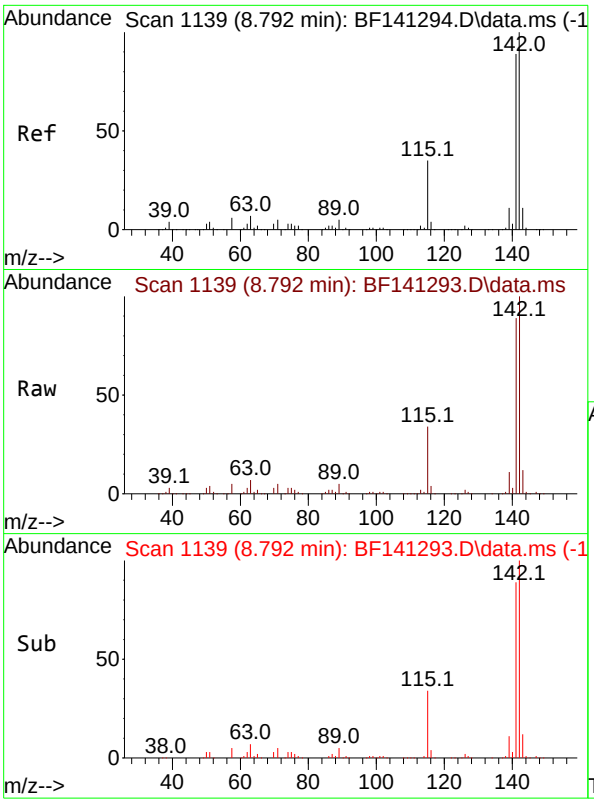




#36
4-Chloro-3-methylphenol
Concen: 21.708 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:107 Resp: 177981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.5 | 20.7 | 31.1 |
| 142 | 79.0 | 63.8 | 95.8 |






#37
2-Methylnaphthalene
Concen: 21.630 ng
RT: 8.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

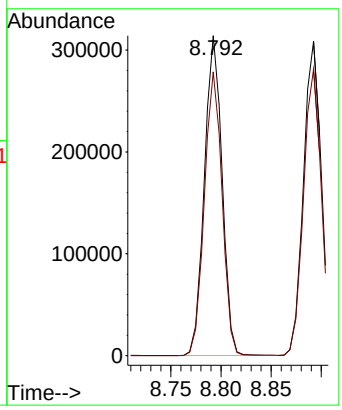
Tgt Ion:142 Resp: 38603

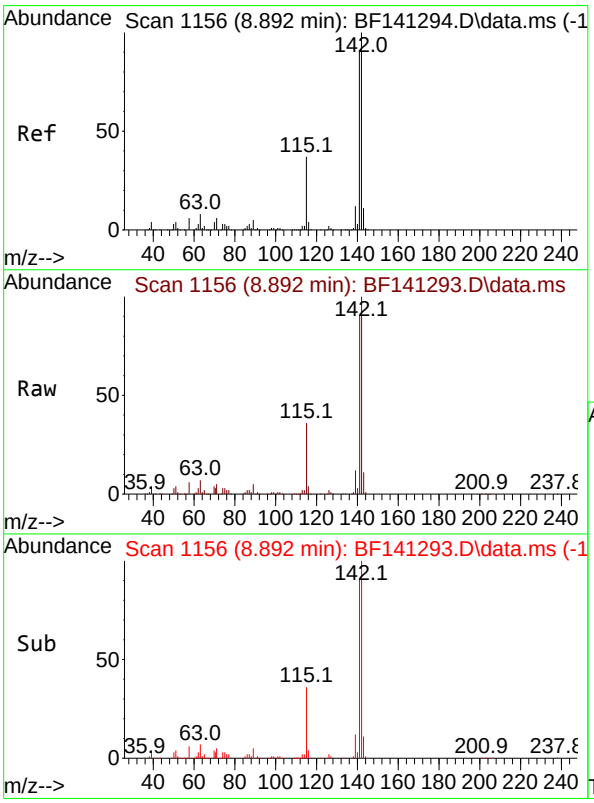
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.7 | 71.3 | 106.9 |

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

**Manual Integrations**
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

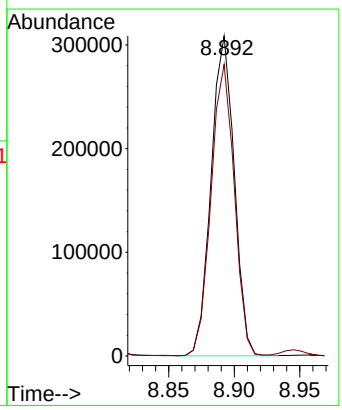


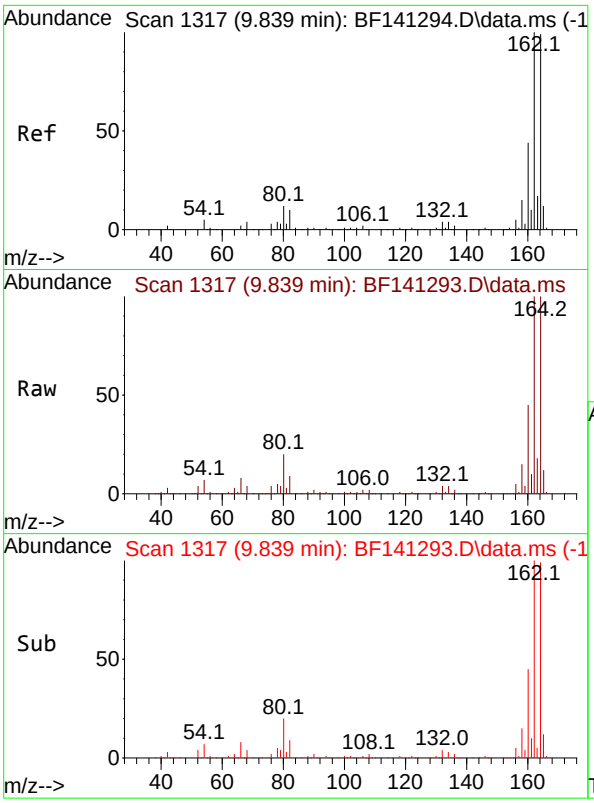




#38
1-Methylnaphthalene
Concen: 21.671 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:142 Resp: 378878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.1 | 73.2 | 109.8 |






#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

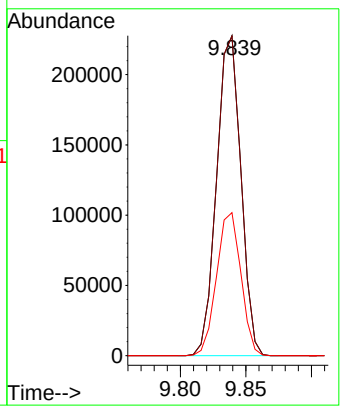
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

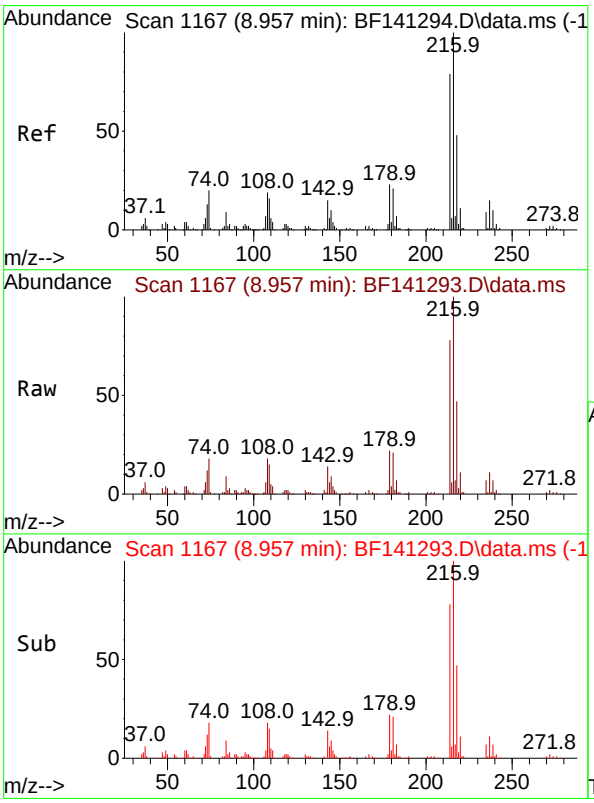
Tgt Ion:164 Resp: 29308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.8 | 80.6 | 121.0 |
| 160 | 44.7 | 35.8 | 53.6 |

**Manual Integrations**
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

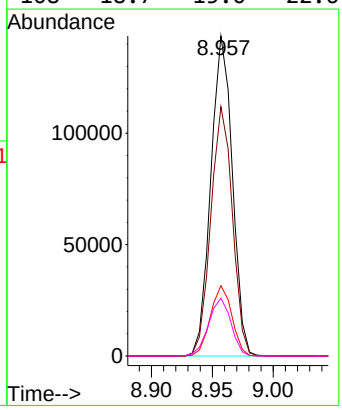


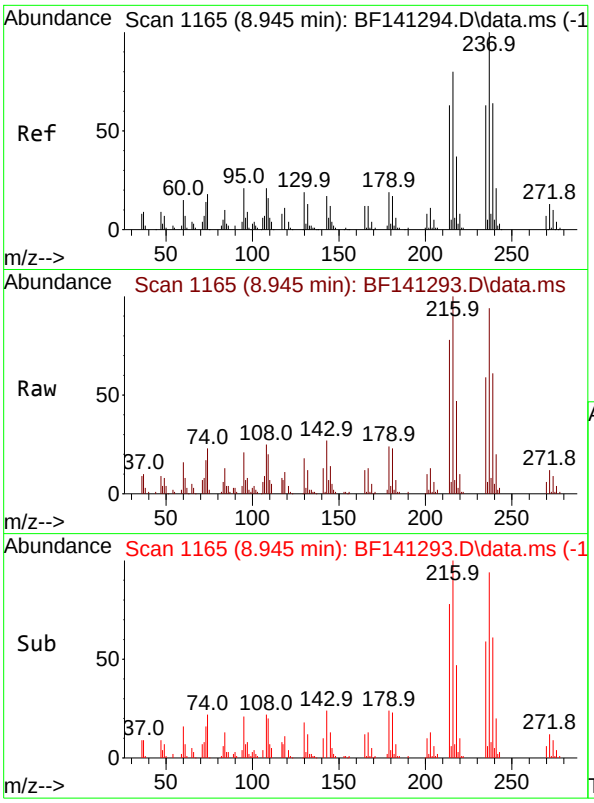




#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.209 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:216 Resp: 176736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 77.9 | 63.2 | 94.8 |
| 179 | 21.9 | 17.8 | 26.8 |
| 108 | 18.7 | 15.0 | 22.6 |

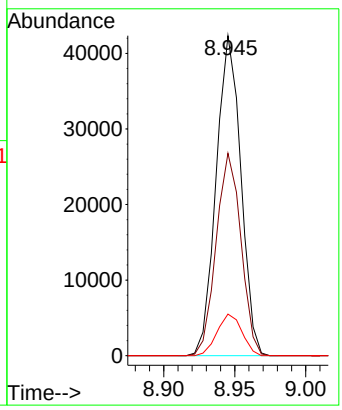





#41
Hexachlorocyclopentadiene
Concen: 20.438 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:237 Resp: 5111

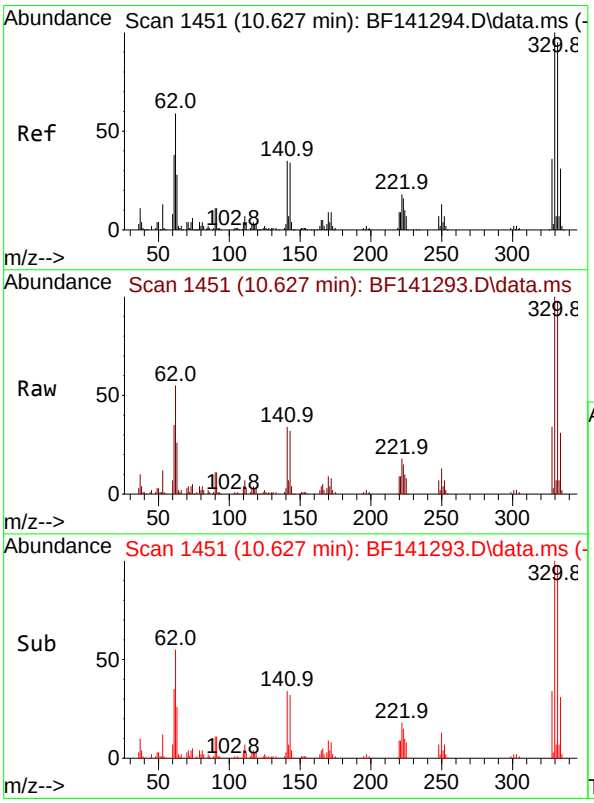
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.3 | 42.9 | 82.9 |
| 272 | 13.0 | 0.0 | 32.8 |




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

**Manual Integrations**
**APPROVED**

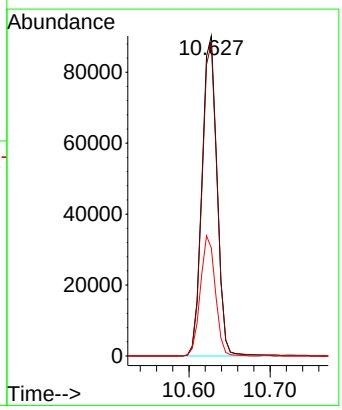
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

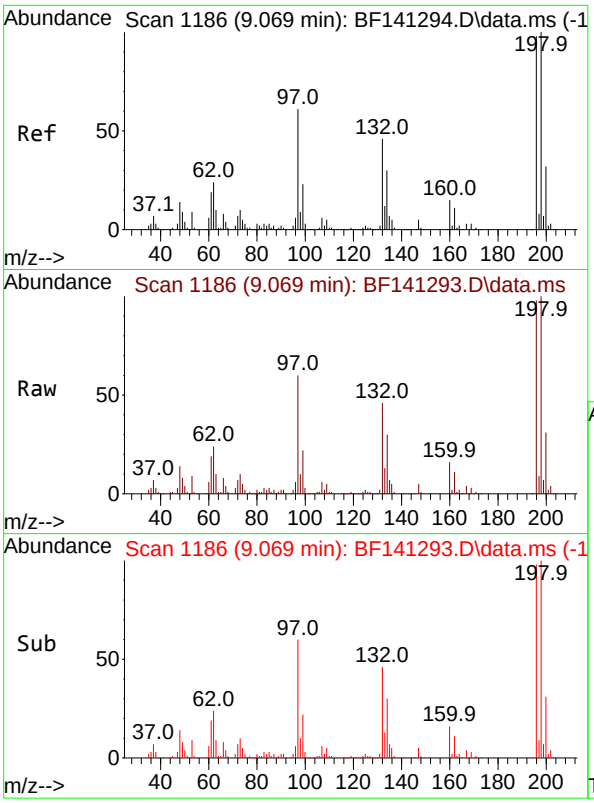



#42
2,4,6-Tribromophenol
Concen: 43.498 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:330 Resp: 116167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.4 | 76.1 | 114.1 |
| 141 | 37.2 | 28.8 | 43.2 |

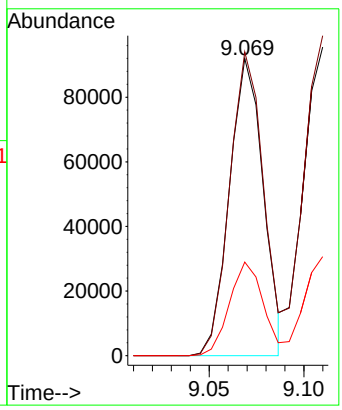





#43
2,4,6-Trichlorophenol
Concen: 21.029 ng
RT: 9.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:196 Resp: 11439

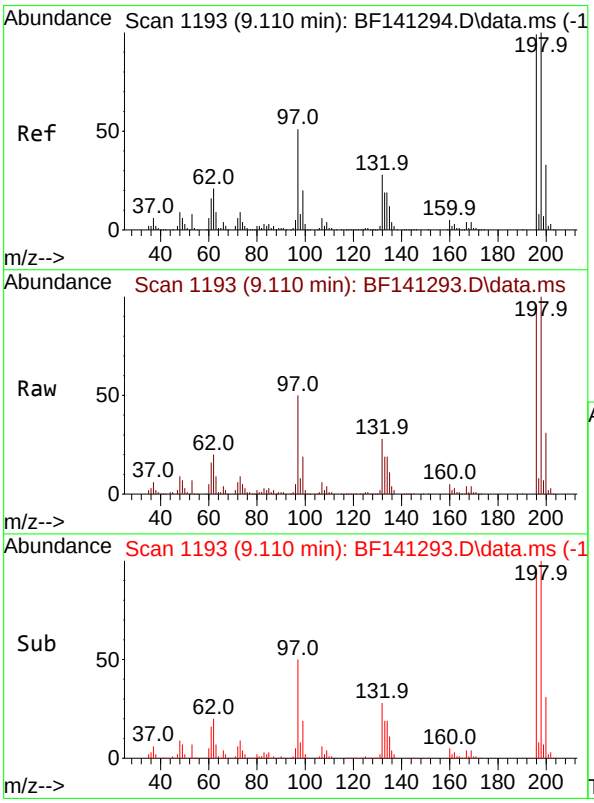
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 102.3 | 81.8 | 122.6 |
| 200 | 31.5 | 26.3 | 39.5 |




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

**Manual Integrations**
**APPROVED**

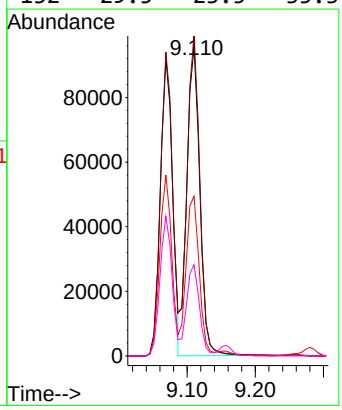
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

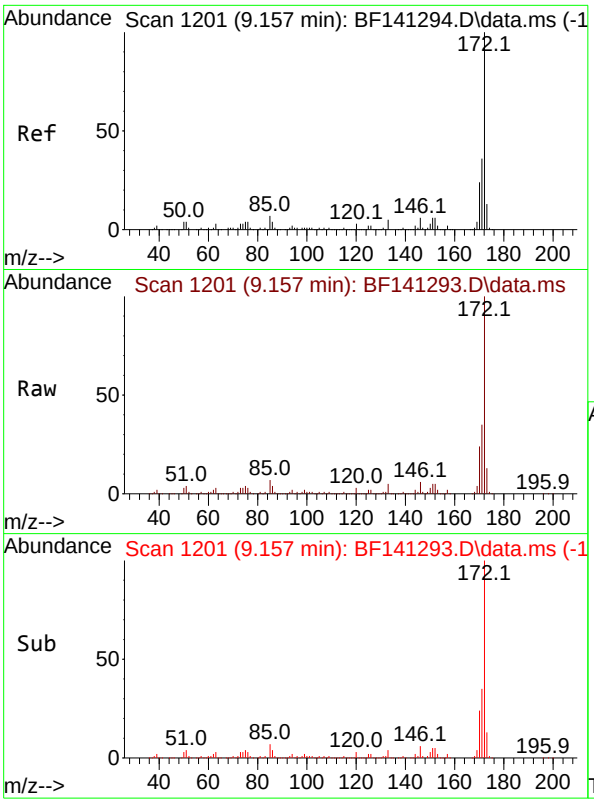



#44
2,4,5-Trichlorophenol
Concen: 21.245 ng
RT: 9.110 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:196 Resp: 125725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 103.7 | 80.5 | 120.7 |
| 97 | 51.8 | 42.8 | 64.2 |
| 132 | 29.5 | 23.5 | 35.3 |






#45
2-Fluorobiphenyl
Concen: 43.127 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

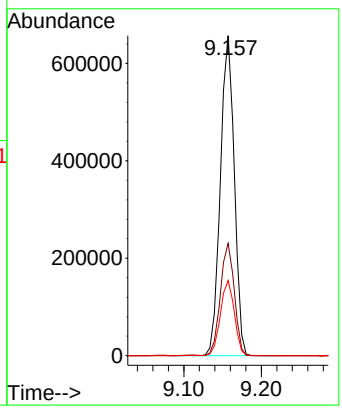
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

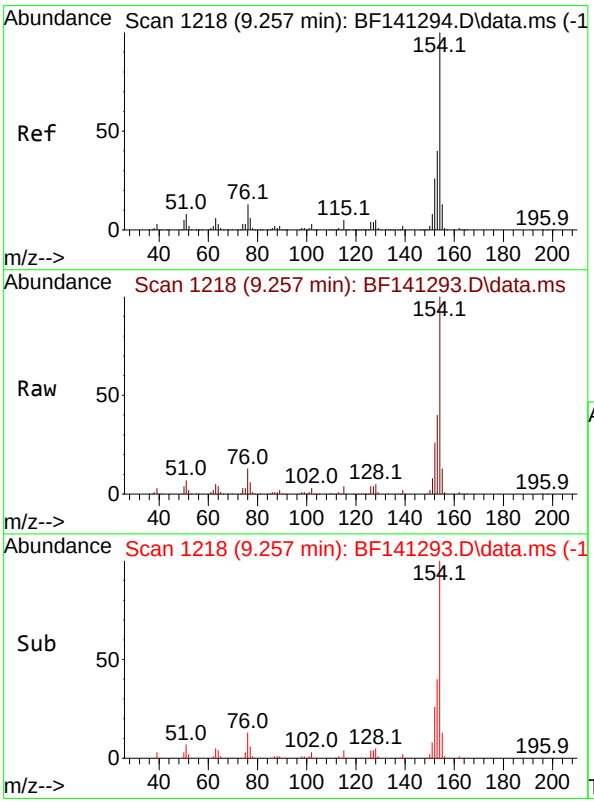
Tgt Ion:172 Resp: 81937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.1 | 28.8 | 43.2 |
| 170 | 23.5 | 19.0 | 28.6 |

**Manual Integrations**
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

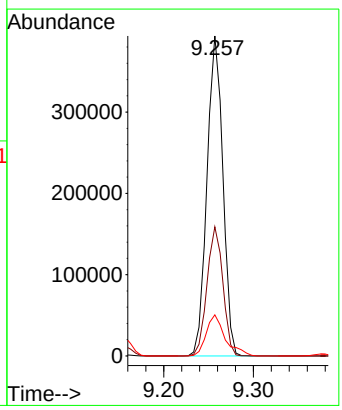


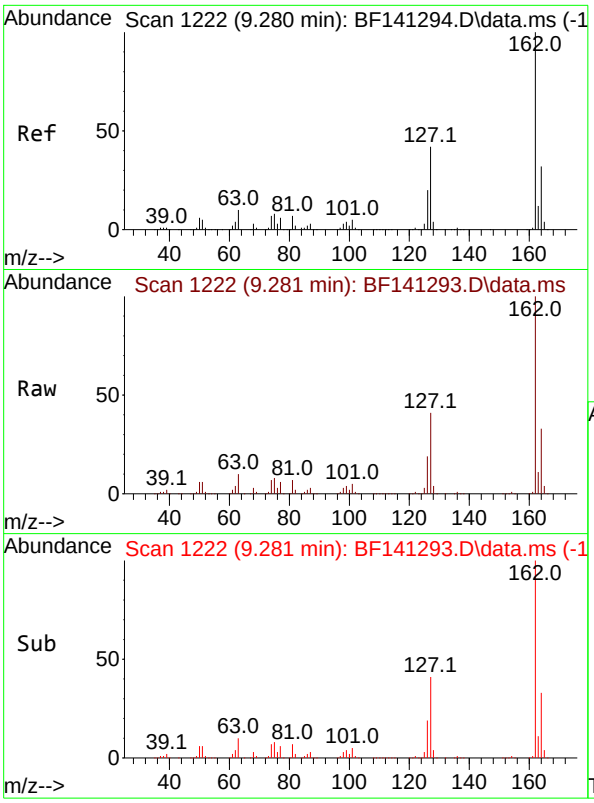




#46
1,1'-Biphenyl
Concen: 21.145 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:154 Resp: 483479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.4 | 20.0 | 60.0 |
| 76 | 12.8 | 0.0 | 32.8 |

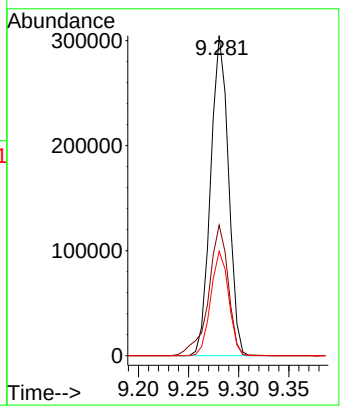





#47
2-Chloronaphthalene
Concen: 21.282 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:162 Resp: 37794

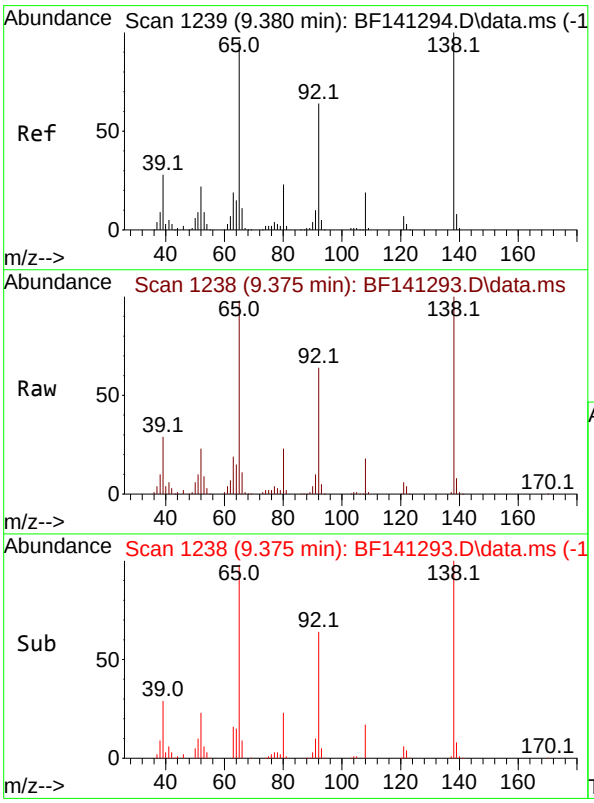
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 40.8 | 33.7 | 50.5 |
| 164 | 32.7 | 25.9 | 38.9 |




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

**Manual Integrations**
**APPROVED**

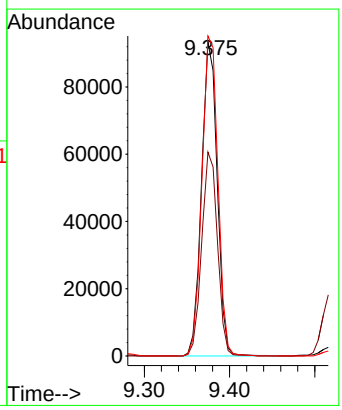
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

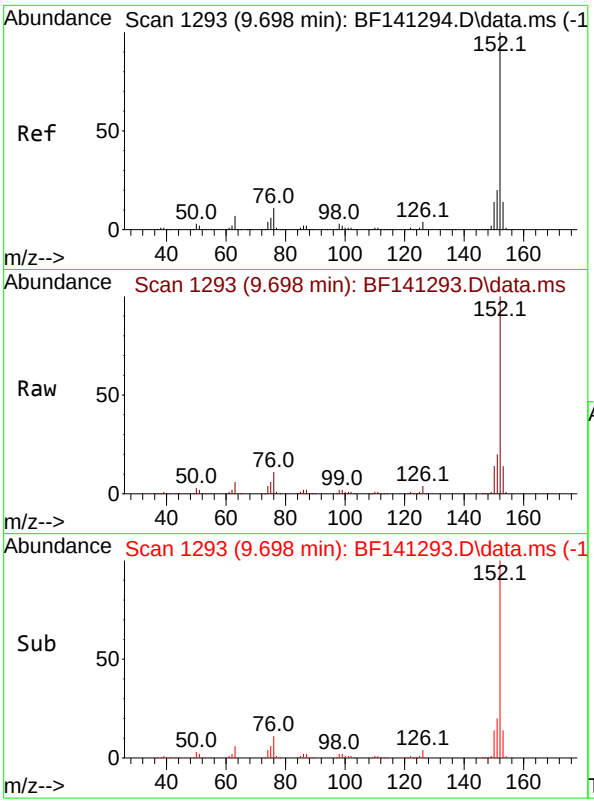



#48
2-Nitroaniline
Concen: 21.310 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 65 Resp: 119359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 64.9 | 53.3 | 79.9 |
| 138 | 102.0 | 83.6 | 125.4 |

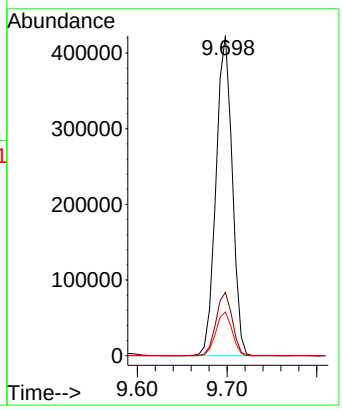





#49
Acenaphthylene
Concen: 21.328 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:152 Resp: 53195

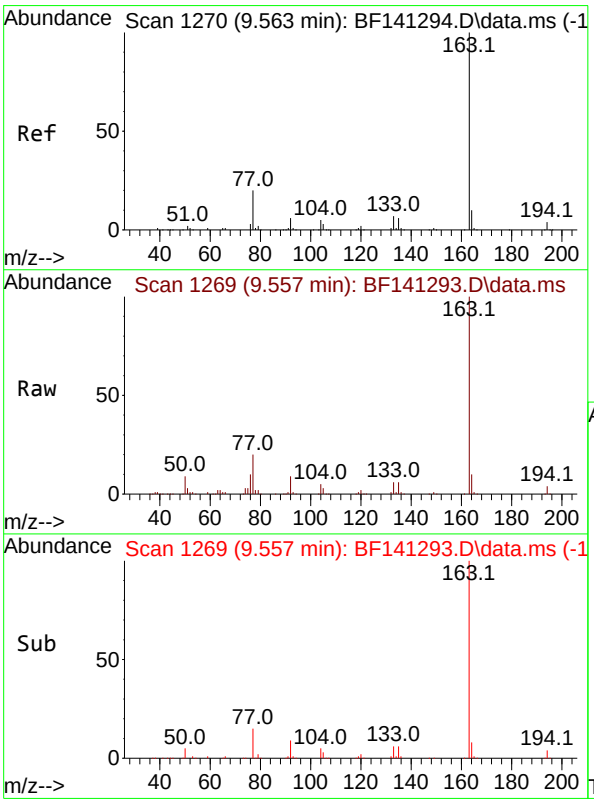
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 16.2 | 24.2 |
| 153 | 13.7 | 11.0 | 16.6 |




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

**Manual Integrations**
**APPROVED**

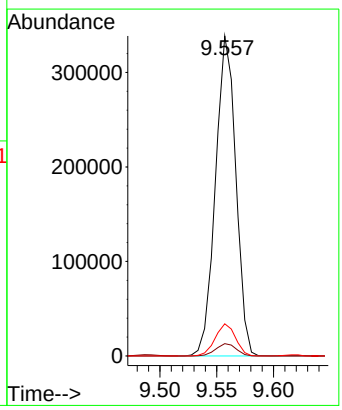
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

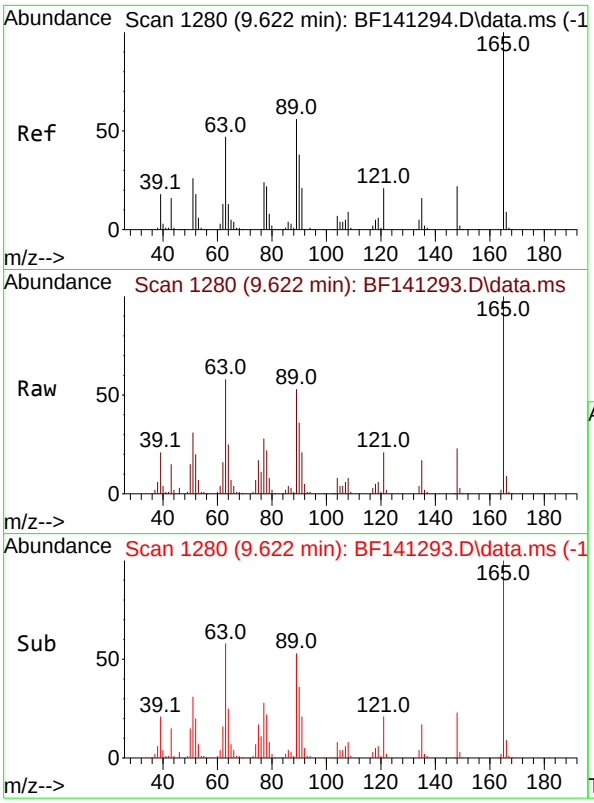



#50
Dimethylphthalate
Concen: 21.542 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:163 Resp: 423377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.6 |
| 164 | 10.0 | 8.0 | 12.0 |

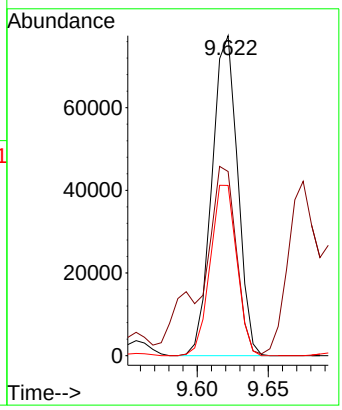





#51
2,6-Dinitrotoluene
Concen: 21.345 ng
RT: 9.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:165 Resp: 9762

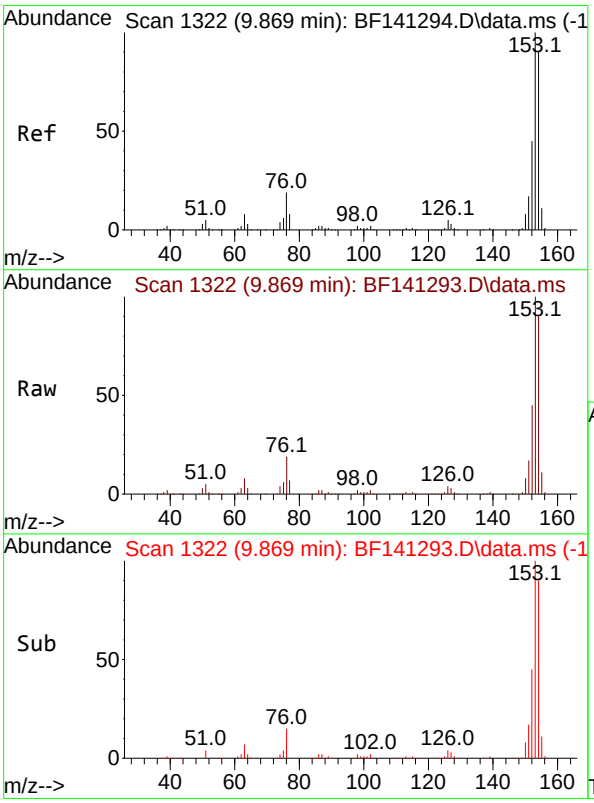
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 57.6 | 48.1 | 72.1 |
| 89 | 53.2 | 44.9 | 67.3 |




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

**Manual Integrations**
**APPROVED**

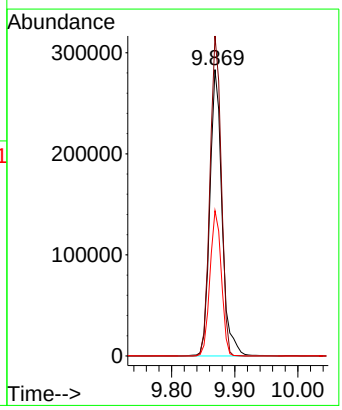
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

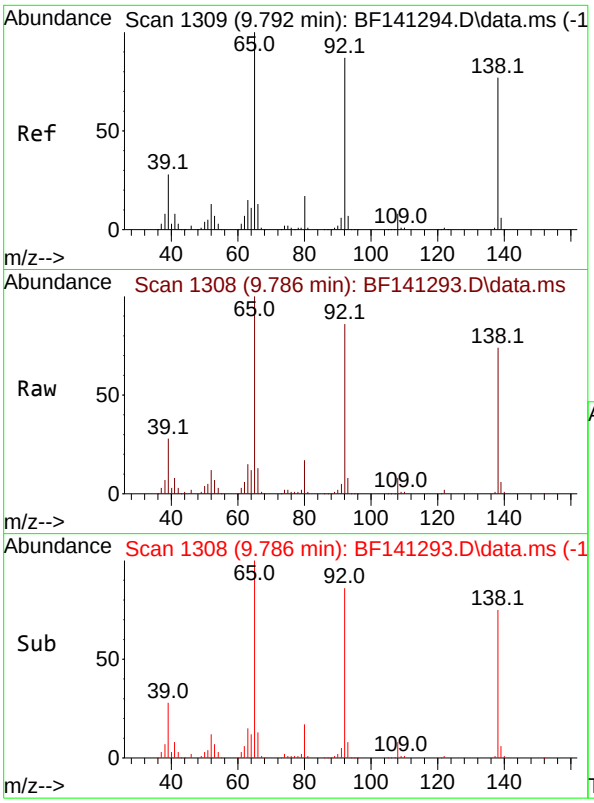



#52
Acenaphthene
Concen: 21.328 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:154 Resp: 378511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.7 | 89.0 | 133.4 |
| 152 | 50.7 | 40.2 | 60.4 |






#53
3-Nitroaniline
Concen: 22.123 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

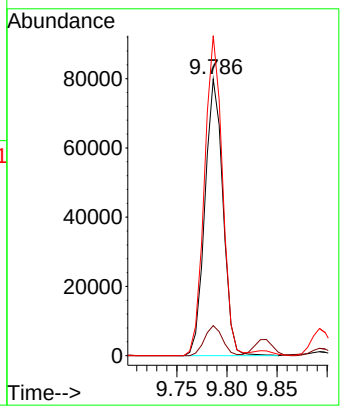
Tgt Ion:138 Resp: 10008

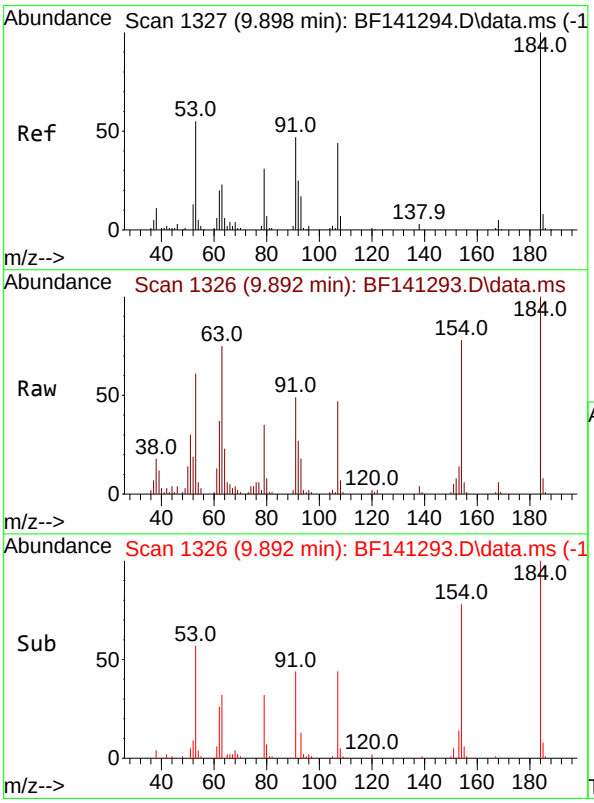
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.9 | 8.6 | 12.8 |
| 92 | 115.8 | 91.0 | 136.6 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

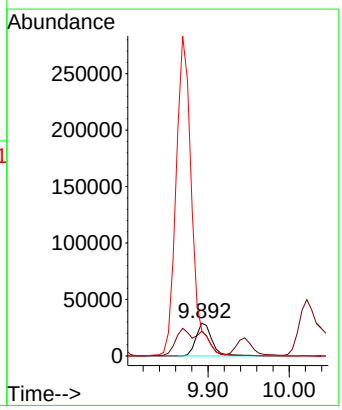


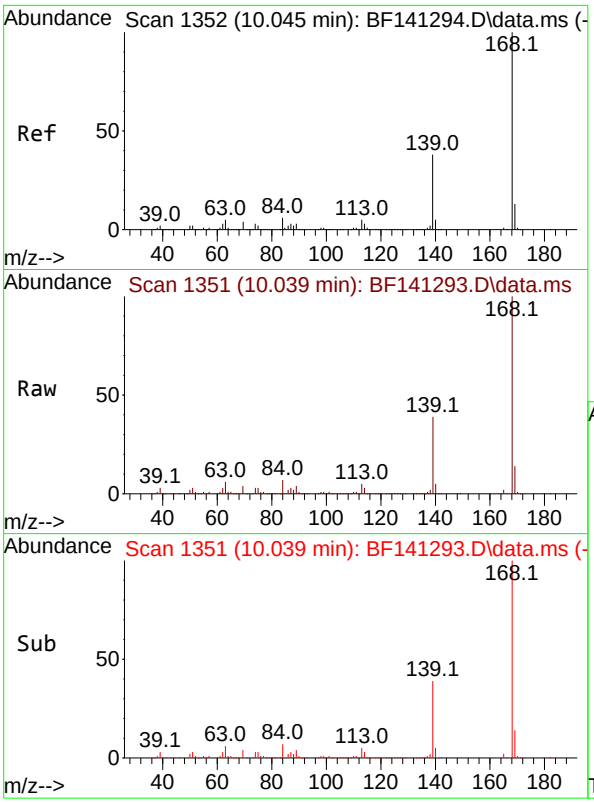




#54
2,4-Dinitrophenol
Concen: 18.557 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:184 Resp: 40003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 75.1 | 54.1 | 81.1 |
| 154 | 78.0 | 50.7 | 76.1# |

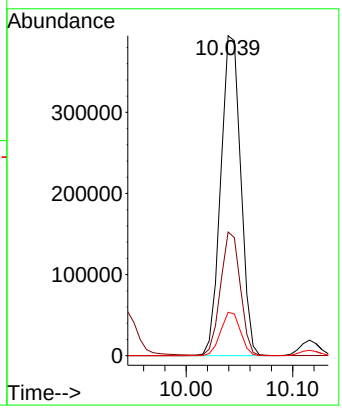





#55
Dibenzofuran
Concen: 21.665 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:168 Resp: 51422

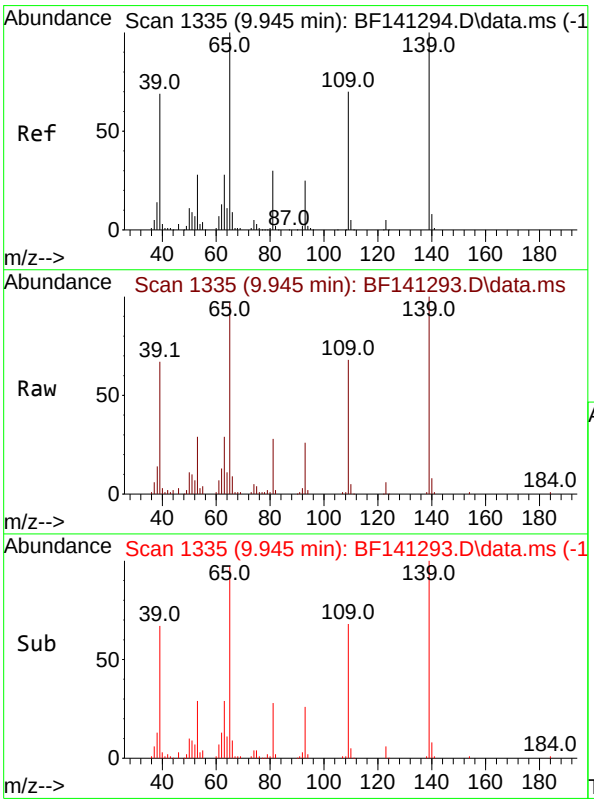
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.7 | 30.6 | 46.0 |
| 169 | 13.5 | 10.8 | 16.2 |




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

**Manual Integrations**
**APPROVED**

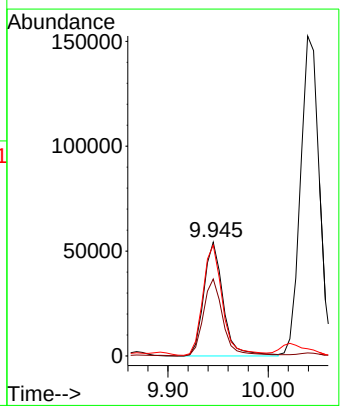
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

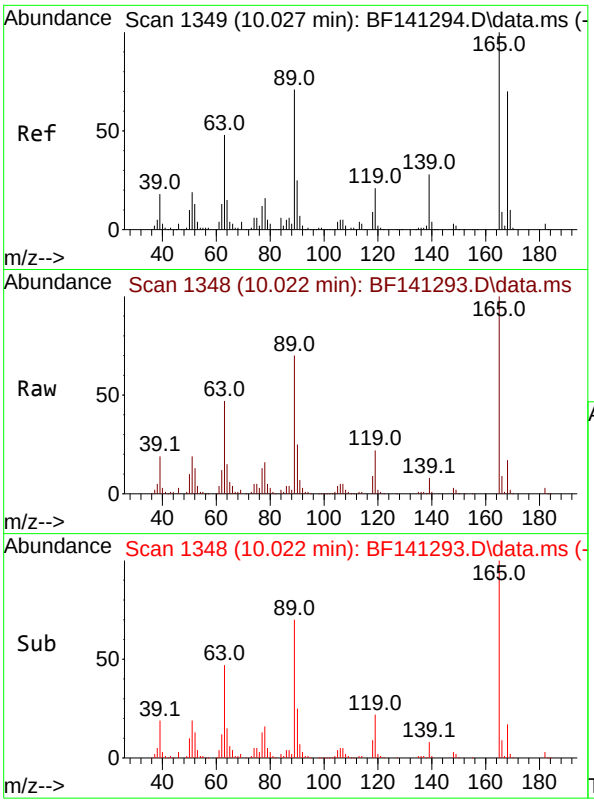



#56
4-Nitrophenol
Concen: 22.607 ng
RT: 9.945 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:139 Resp: 73425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 67.7 | 50.2 | 90.2 |
| 65 | 97.5 | 80.6 | 120.6 |

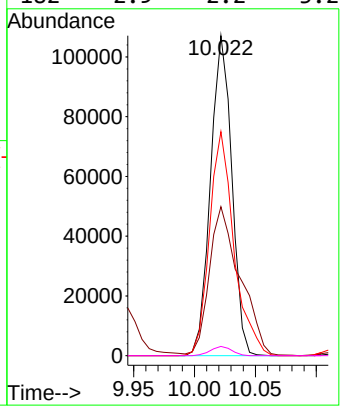





#57
2,4-Dinitrotoluene
Concen: 22.027 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:165 Resp: 12994

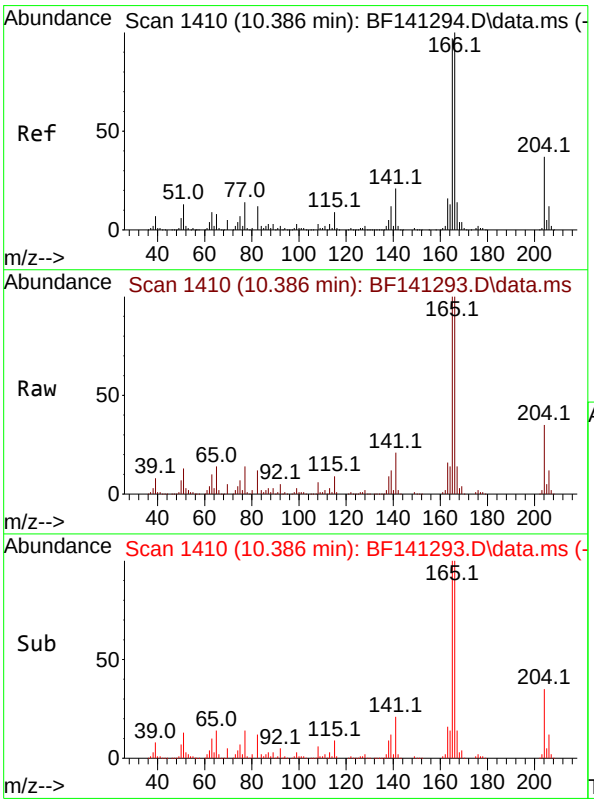
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 46.6 | 39.2 | 58.8 |
| 89 | 70.0 | 56.9 | 85.3 |
| 182 | 2.9 | 2.2 | 3.2 |




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

**Manual Integrations**
**APPROVED**

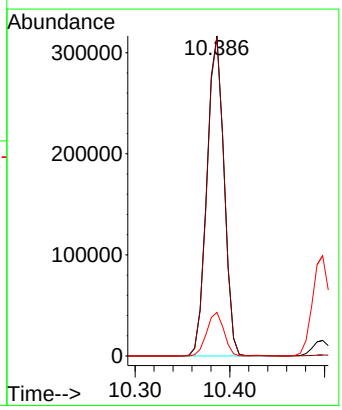
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

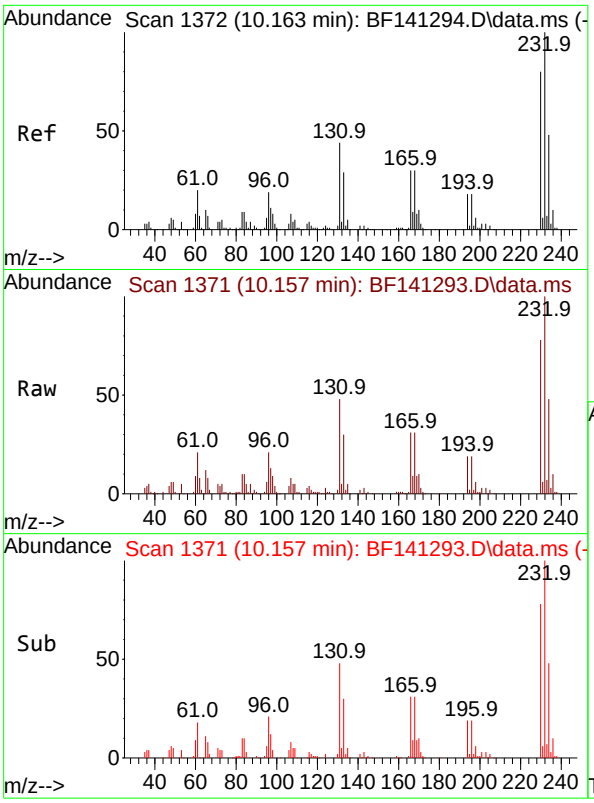



#58
Fluorene
Concen: 21.488 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:166 Resp: 396520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.5 | 77.5 | 116.3 |
| 167 | 13.6 | 10.9 | 16.3 |

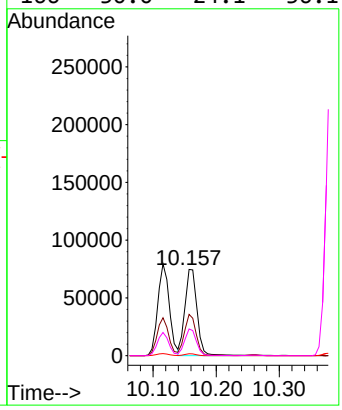





#59
2,3,4,6-Tetrachlorophenol
Concen: 21.354 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:232 Resp: 9984

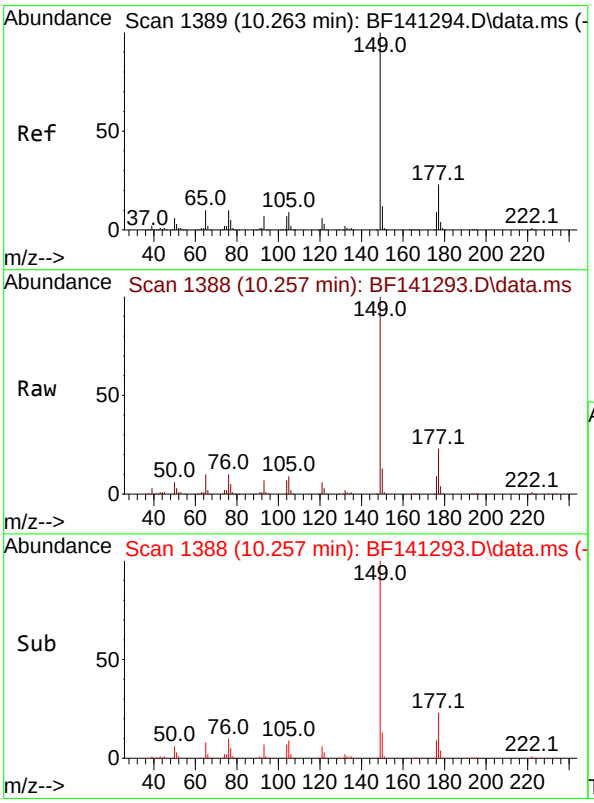
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.1 | 36.4 | 54.6 |
| 130 | 2.0 | 1.9 | 2.9 |
| 166 | 30.0 | 24.1 | 36.1 |




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

**Manual Integrations**
**APPROVED**

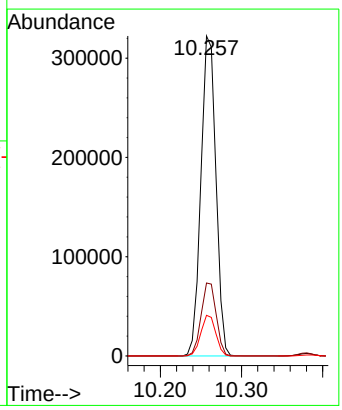
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

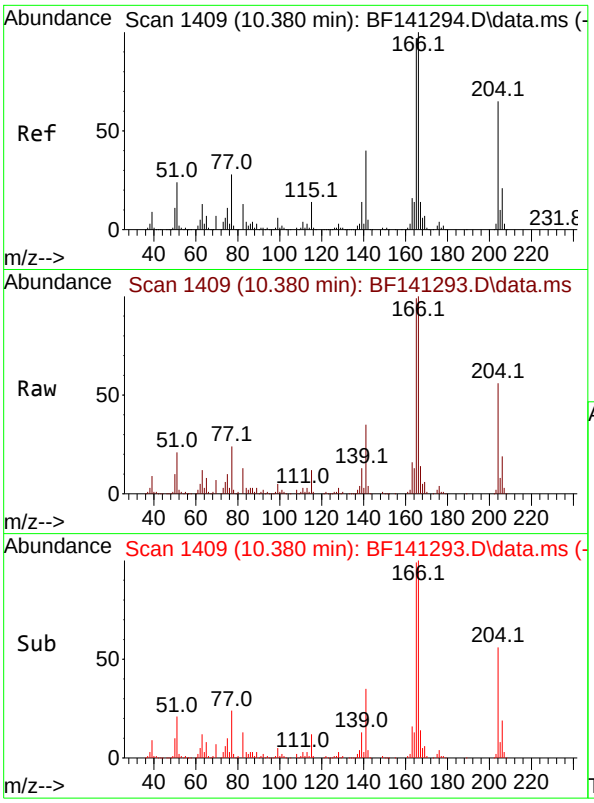



#60
Diethylphthalate
Concen: 21.745 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:149 Resp: 413889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.8 | 18.5 | 27.7 |
| 150 | 12.7 | 10.0 | 15.0 |






#61
4-Chlorophenyl-phenylether
Concen: 21.446 ng
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

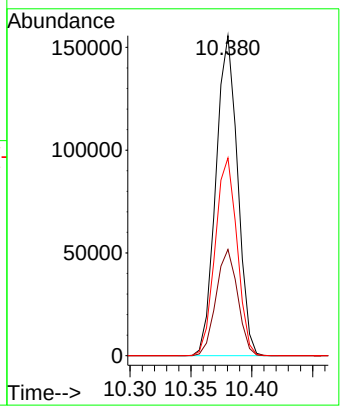
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

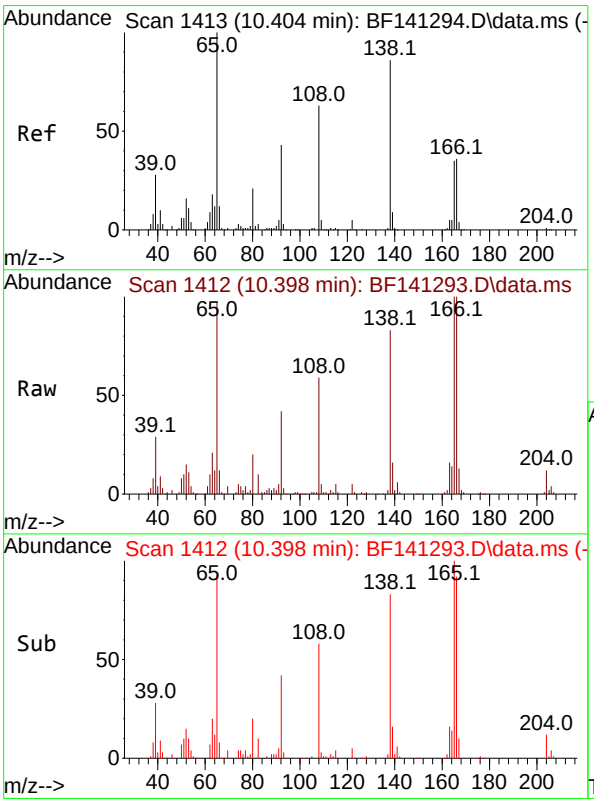
Tgt Ion:204 Resp: 19313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.2 | 25.9 | 38.9 |
| 141 | 61.8 | 49.5 | 74.3 |

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

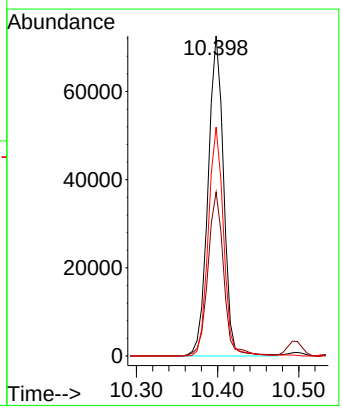


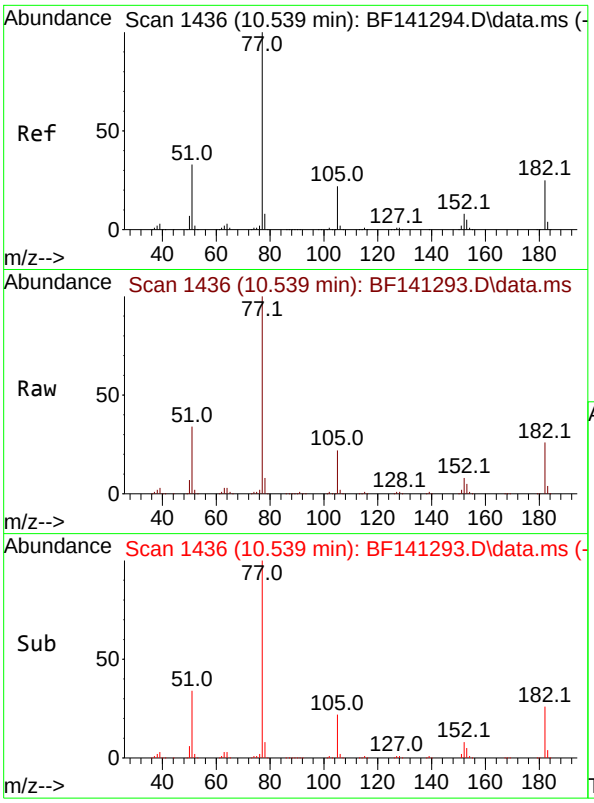




#62
4-Nitroaniline
Concen: 22.250 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:138 Resp: 96692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.2 | 30.1 | 70.1 |
| 108 | 71.5 | 53.1 | 93.1 |






#63
Azobenzene
Concen: 21.358 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

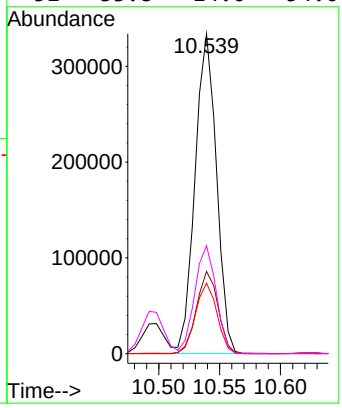
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

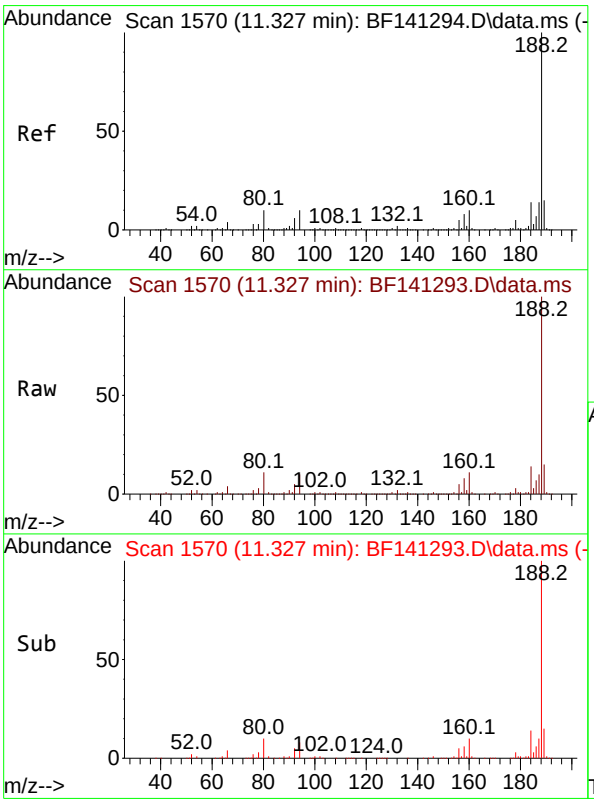
Tgt Ion: 77 Resp: 40749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.7 | 5.1 | 45.1 |
| 105 | 22.1 | 1.8 | 41.8 |
| 51 | 33.8 | 14.0 | 54.0 |

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

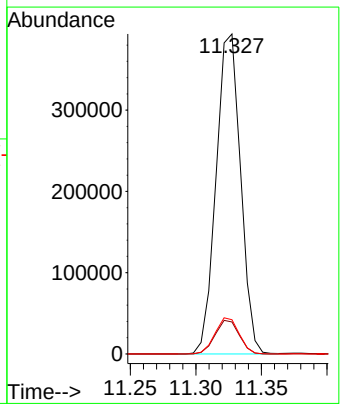


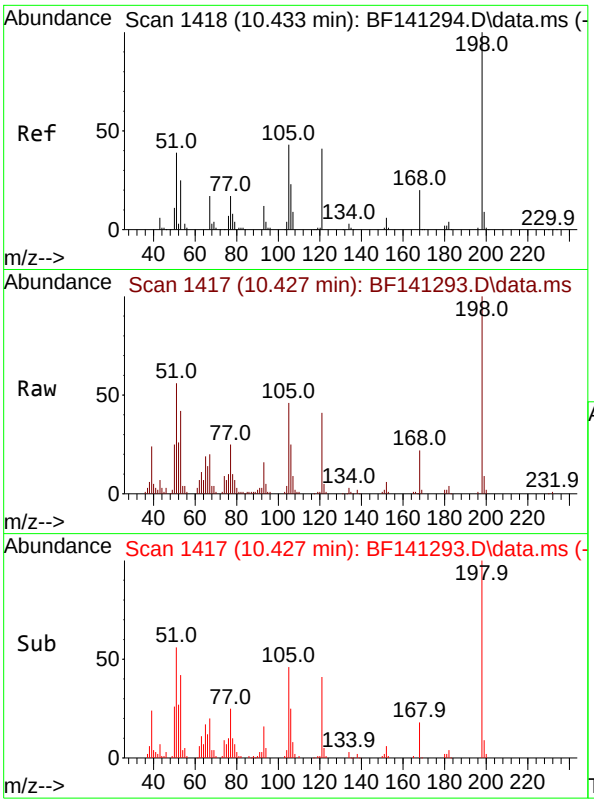




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:188 Resp: 511320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.0 | 7.8 | 11.6 |
| 80 | 10.7 | 8.2 | 12.4 |






#65
4,6-Dinitro-2-methylphenol
Concen: 20.492 ng
RT: 10.427 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

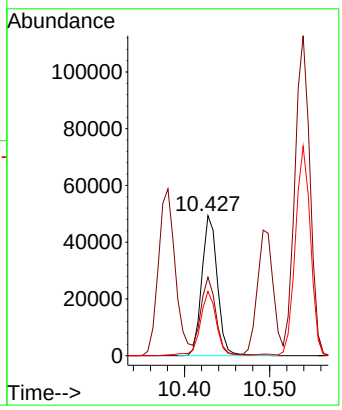
Tgt Ion:198 Resp: 6257

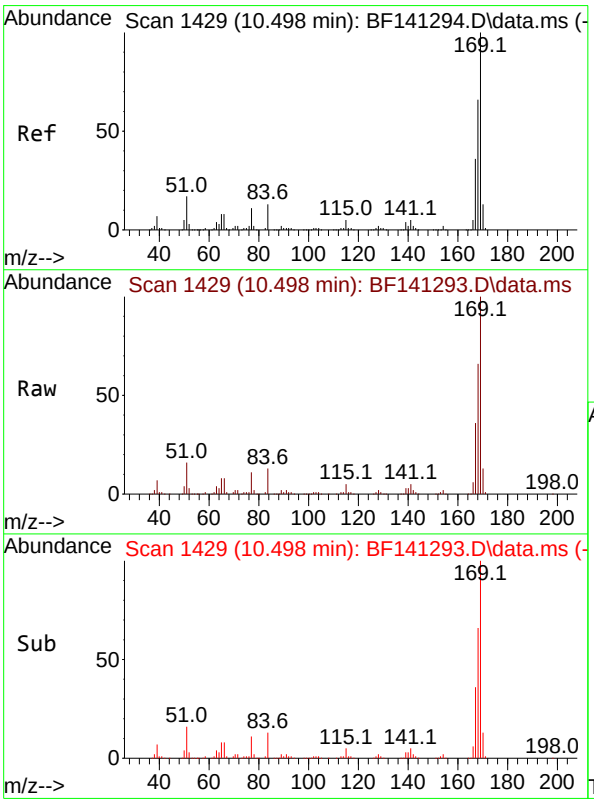
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 56.0 | 33.4 | 73.4 |
| 105 | 45.9 | 24.4 | 64.4 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

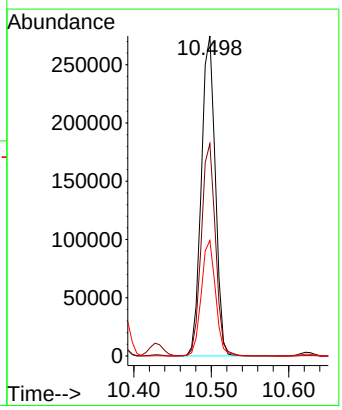


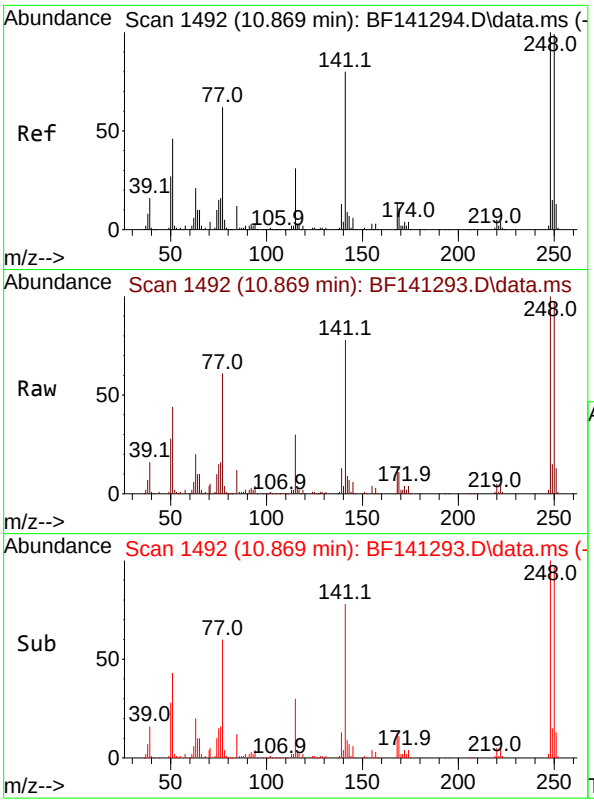




#66
n-Nitrosodiphenylamine
Concen: 20.773 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:169 Resp: 344387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.3 | 53.0 | 79.4 |
| 167 | 36.1 | 28.8 | 43.2 |






#67
4-Bromophenyl-phenylether
Concen: 20.967 ng
RT: 10.869 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

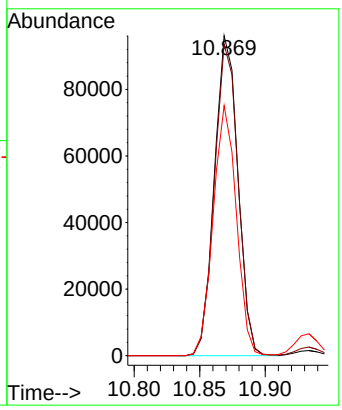
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

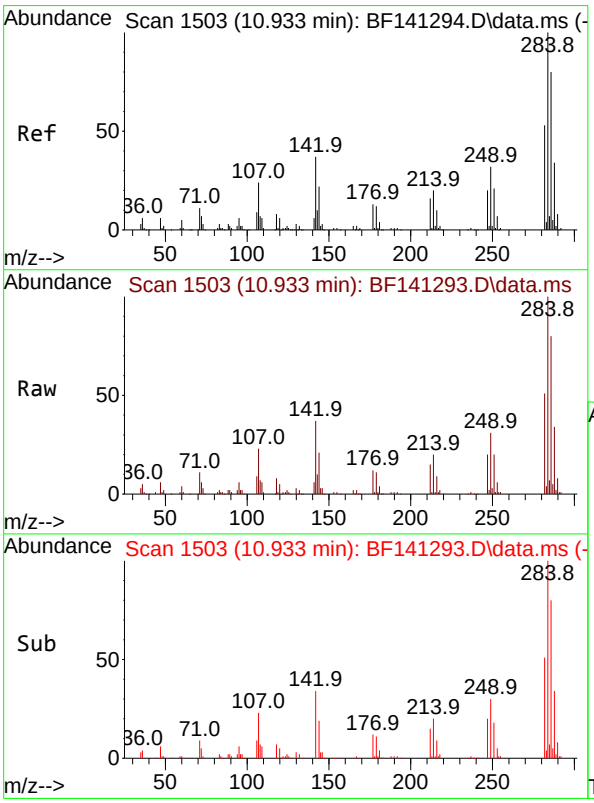
Tgt Ion:248 Resp: 11984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.3 | 79.0 | 118.4 |
| 141 | 78.1 | 63.7 | 95.5 |

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

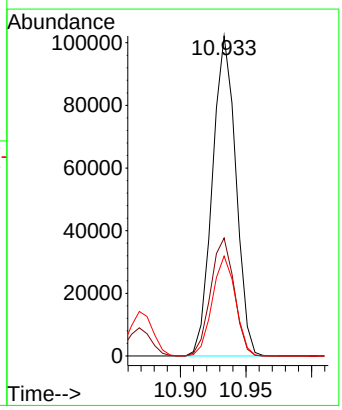


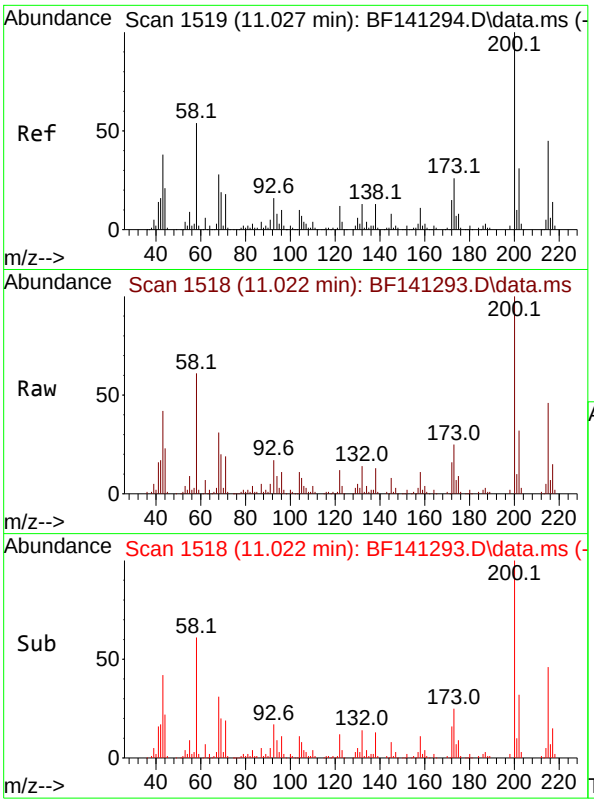




#68
Hexachlorobenzene
Concen: 20.917 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:284 Resp: 126823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 36.8 | 29.5 | 44.3 |
| 249 | 31.2 | 25.4 | 38.2 |

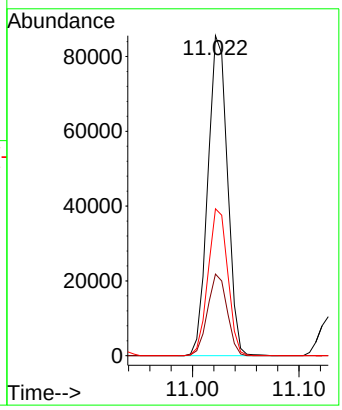





#69
Atrazine
Concen: 19.627 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:200 Resp: 10913

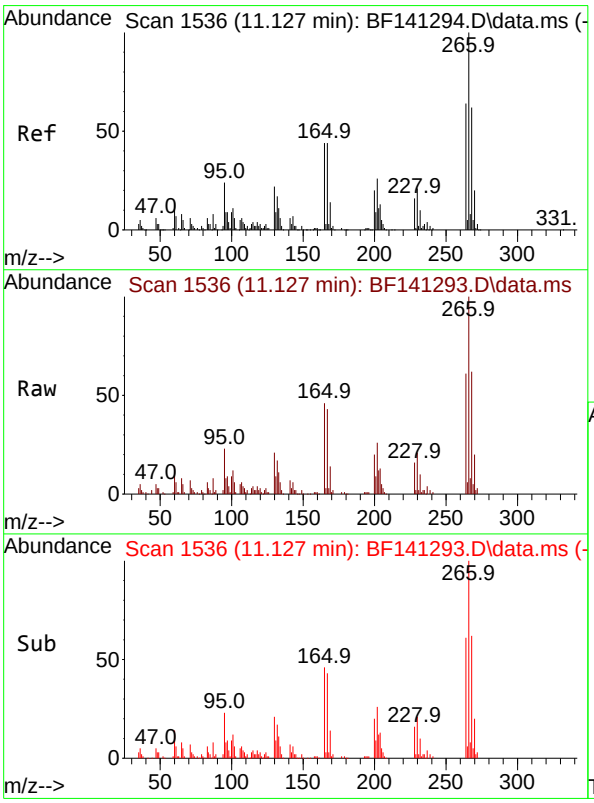
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.5 | 5.9 | 45.9 |
| 215 | 45.9 | 25.2 | 65.2 |




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

**Manual Integrations**
**APPROVED**

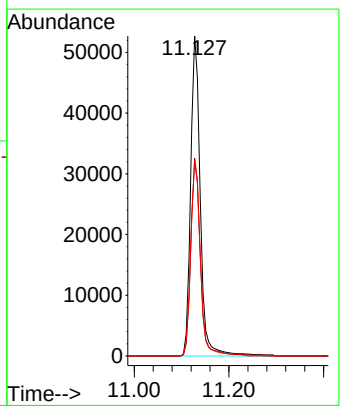
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

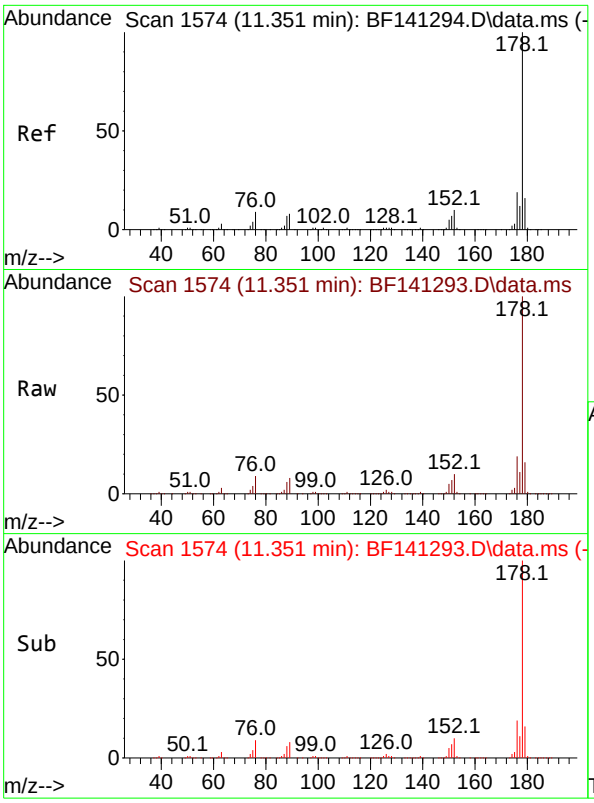



#70
Pentachlorophenol
Concen: 20.958 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:266 Resp: 74508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 61.8 | 49.9 | 74.9 |
| 264 | 61.2 | 51.0 | 76.4 |

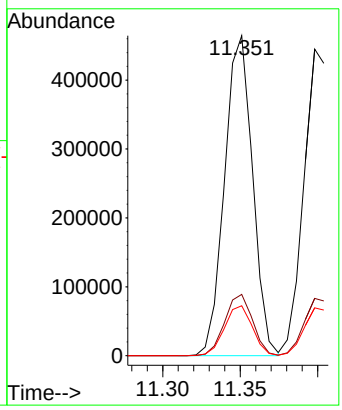





#71
Phenanthrene
Concen: 21.262 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:178 Resp: 58402

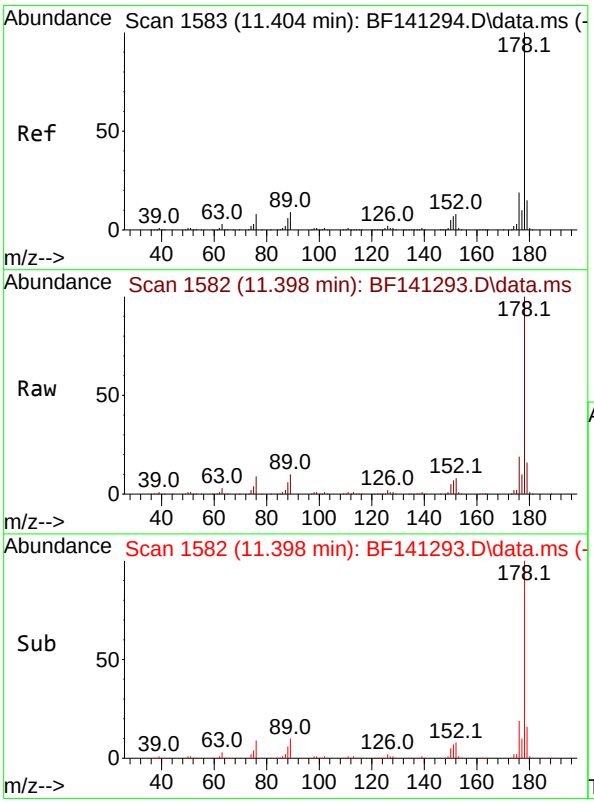
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.3 | 22.9 |
| 179 | 15.6 | 12.5 | 18.7 |




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

**Manual Integrations**
**APPROVED**

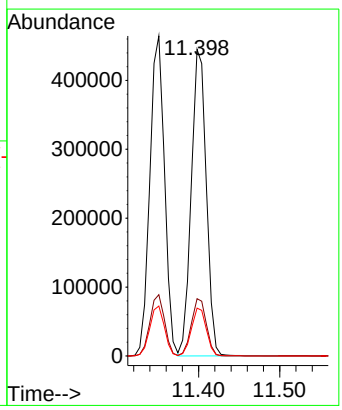
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

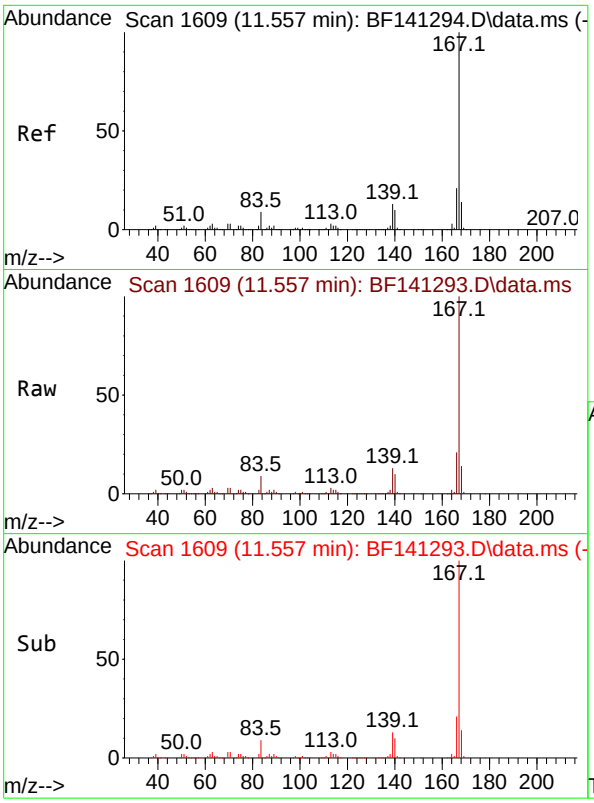



#72
Anthracene
Concen: 21.377 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:178 Resp: 572743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.0 | 22.6 |
| 179 | 15.6 | 12.3 | 18.5 |

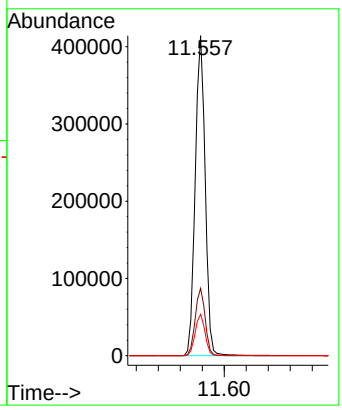





#73
Carbazole
Concen: 22.000 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:167 Resp: 52210

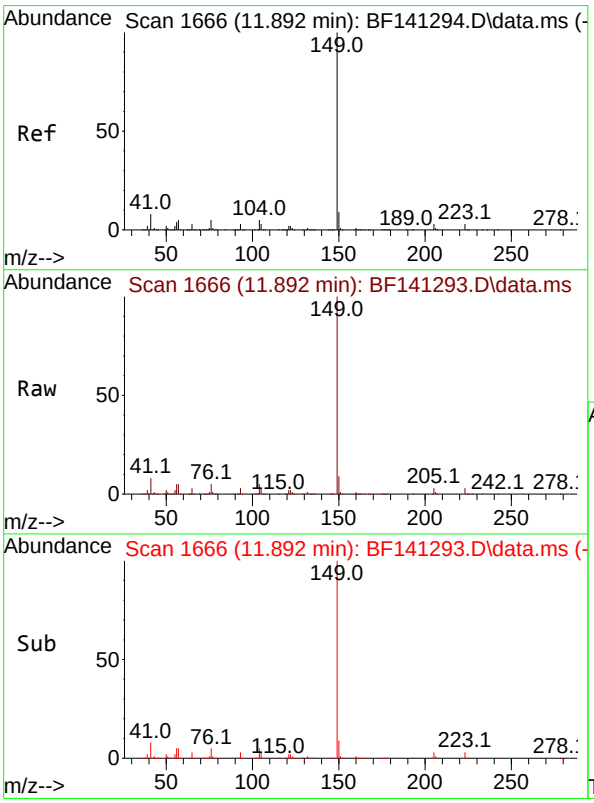
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.0 | 17.0 | 25.6 |
| 139 | 12.9 | 10.6 | 16.0 |




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

**Manual Integrations**
**APPROVED**

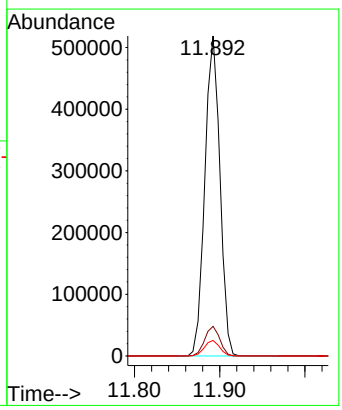
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

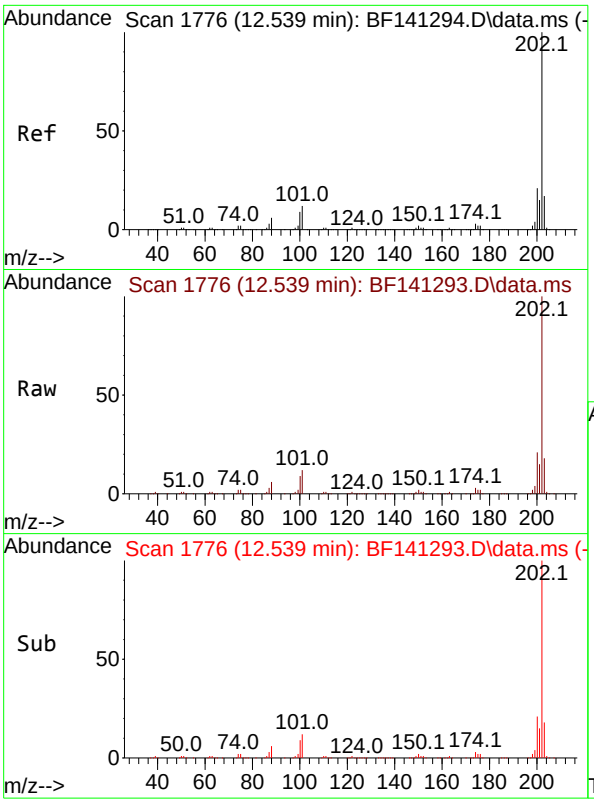



#74
Di-n-butylphthalate
Concen: 22.251 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:149 Resp: 636521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.4 | 11.2 |
| 104 | 4.8 | 3.9 | 5.9 |

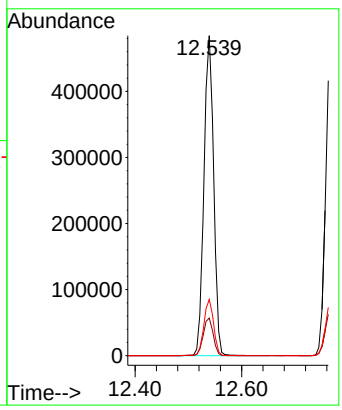





#75
Fluoranthene
Concen: 22.808 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:202 Resp: 61149

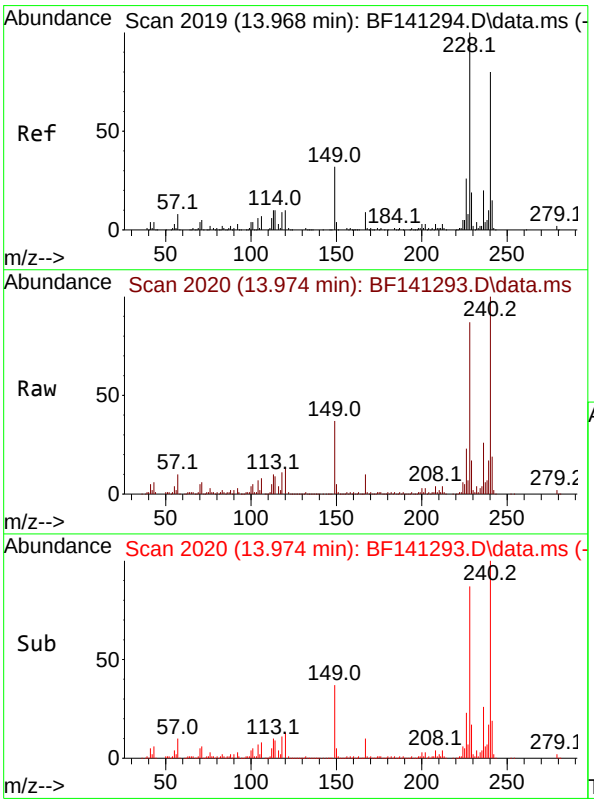
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.8 | 0.0 | 31.7 |
| 203 | 17.5 | 0.0 | 37.5 |




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

**Manual Integrations**
**APPROVED**

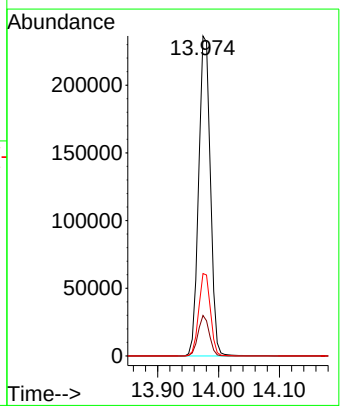
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

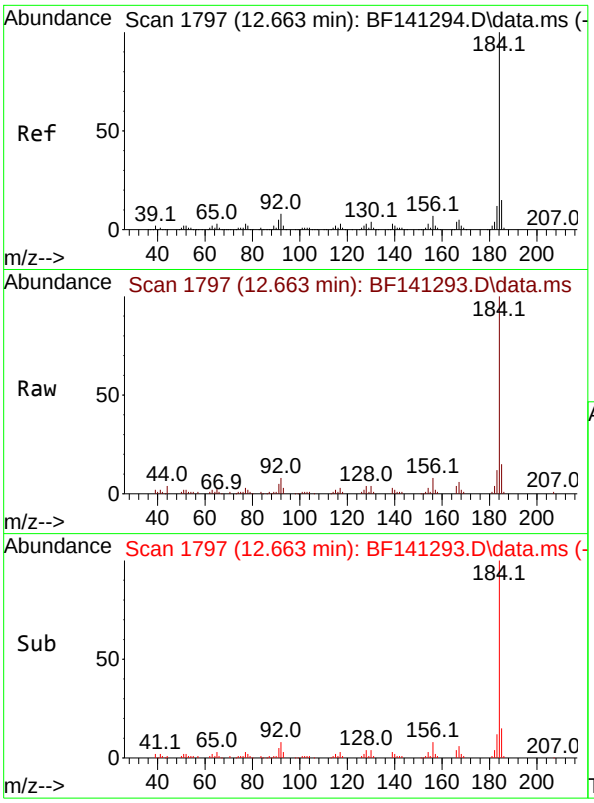



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:240 Resp: 314234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.7 | 10.0 | 15.0 |
| 236 | 25.8 | 19.7 | 29.5 |

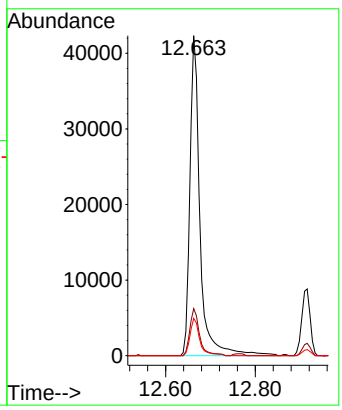





#77
Benzidine
Concen: 6.904 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:184 Resp: 6596

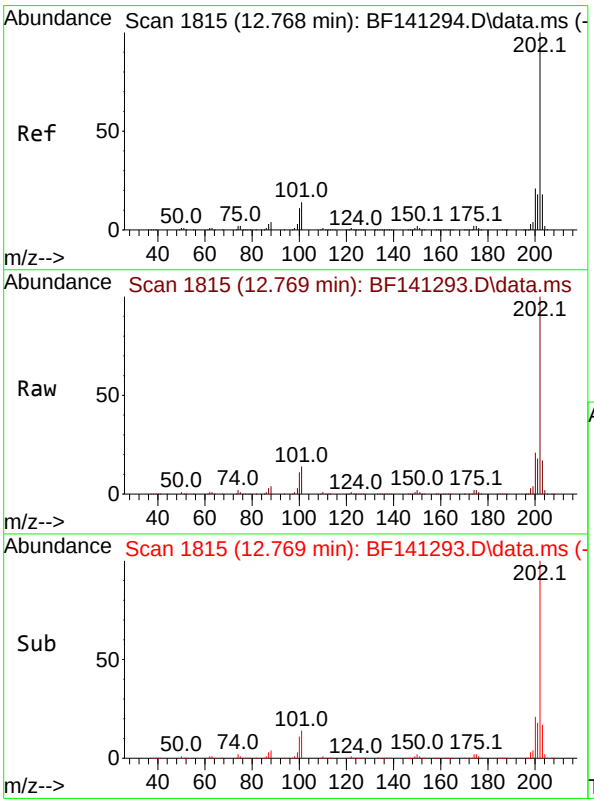
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 11.9 | 17.9 |
| 183 | 11.7 | 9.5 | 14.3 |




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

**Manual Integrations**
**APPROVED**

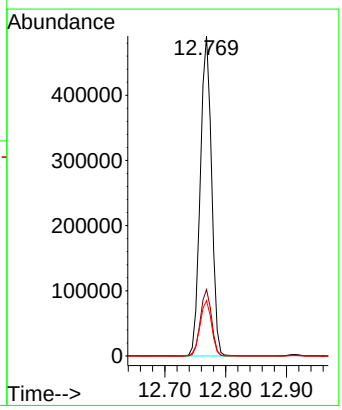
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

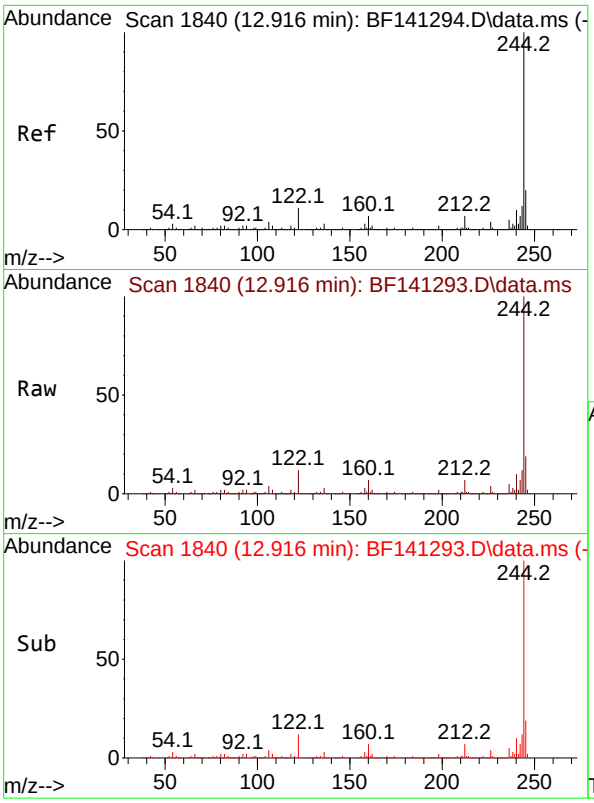



#78
Pyrene
Concen: 20.739 ng
RT: 12.769 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:202 Resp: 629228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.7 | 17.0 | 25.4 |
| 203 | 17.3 | 14.3 | 21.5 |

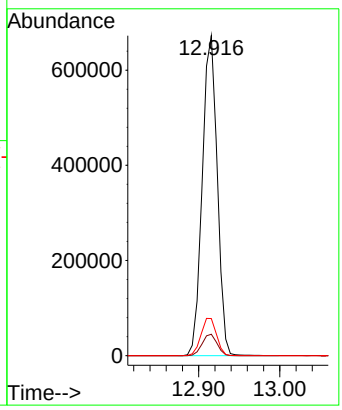





#79
Terphenyl-d14
Concen: 42.159 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:244 Resp: 86095

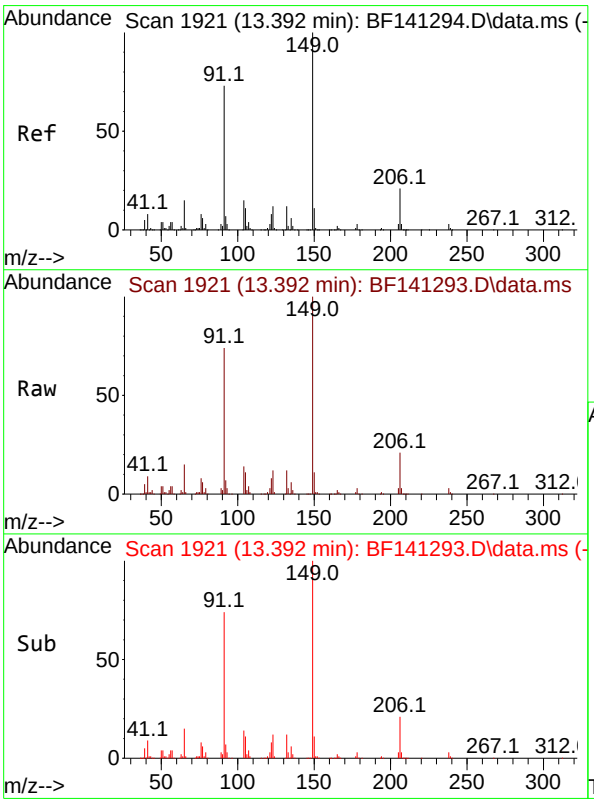
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.4 | 8.0 |
| 122 | 11.6 | 8.8 | 13.2 |




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

**Manual Integrations**
**APPROVED**

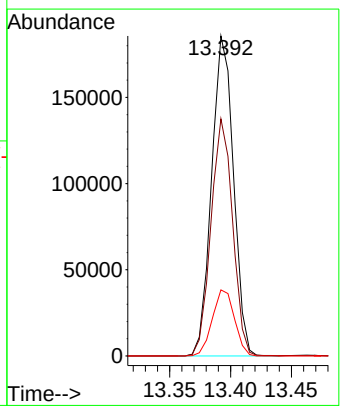
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

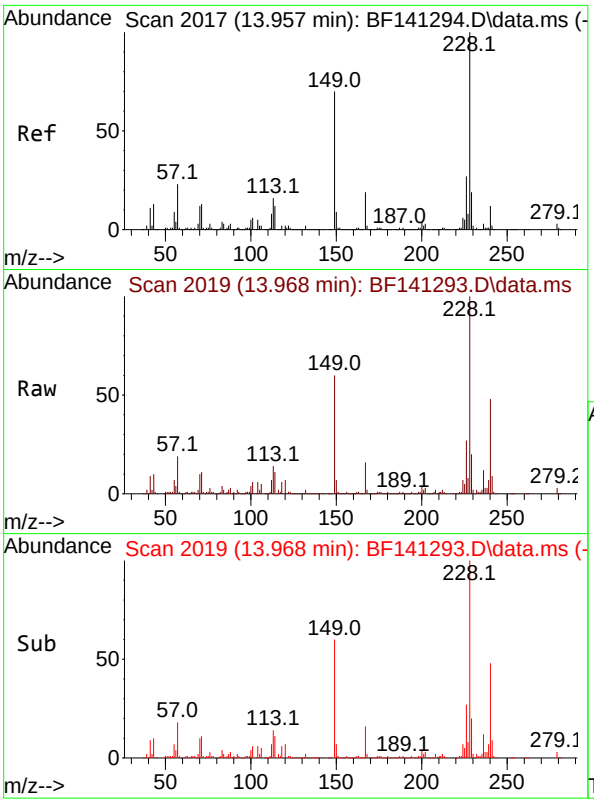



#80
Butylbenzylphthalate
Concen: 22.149 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:149 Resp: 232095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 74.1 | 58.6 | 87.8 |
| 206 | 20.7 | 16.7 | 25.1 |

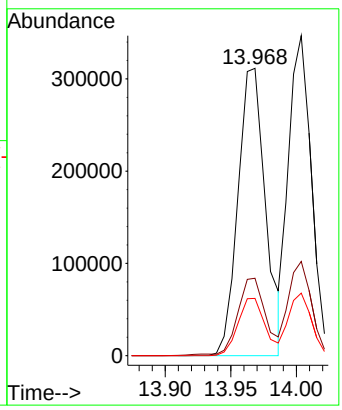





#81
Benzo(a)anthracene
Concen: 21.197 ng
RT: 13.968 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:228 Resp: 45653

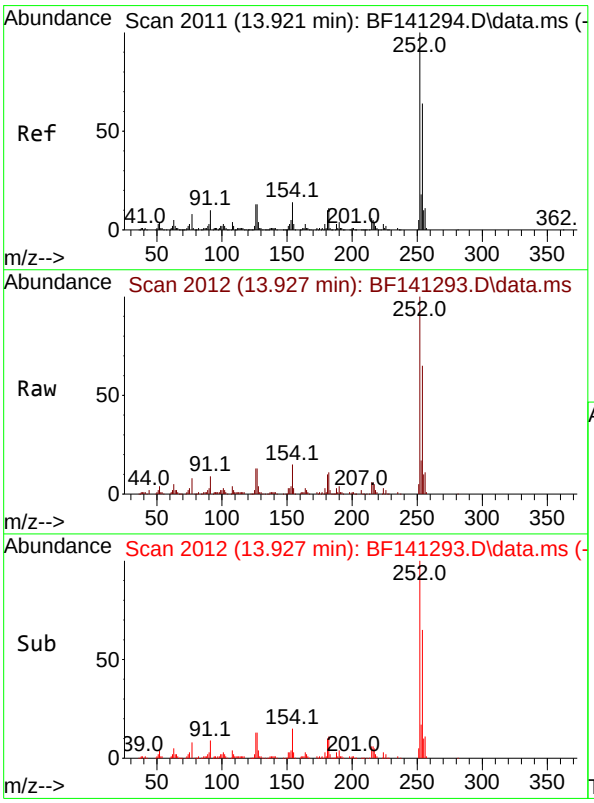
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.0 | 21.4 | 32.2 |
| 229 | 19.9 | 15.5 | 23.3 |




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

**Manual Integrations**
**APPROVED**

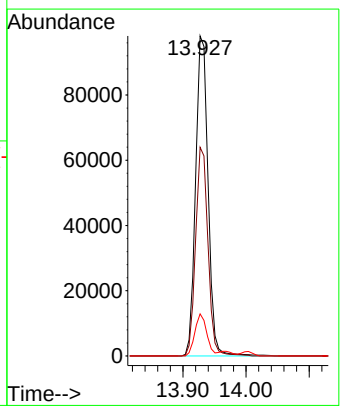
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

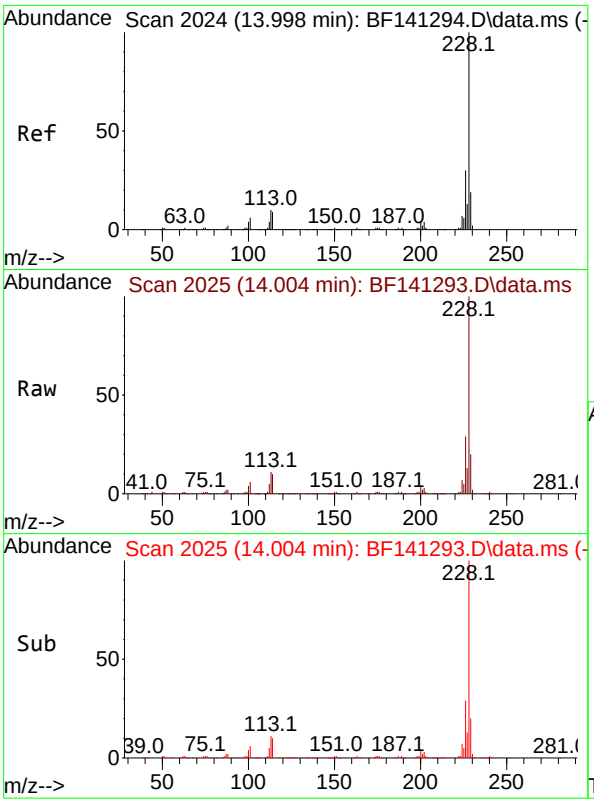



#82
3,3'-Dichlorobenzidine
Concen: 19.914 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:252 Resp: 134298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.2 | 51.3 | 76.9 |
| 126 | 13.2 | 10.0 | 15.0 |






#83
Chrysene
Concen: 21.122 ng
RT: 14.004 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

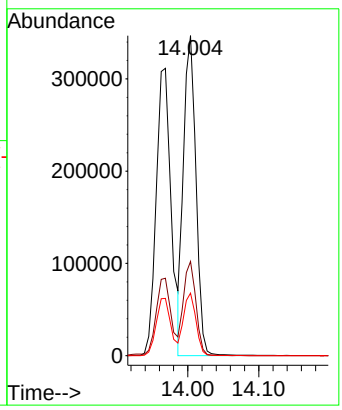
Tgt Ion:228 Resp: 42184(

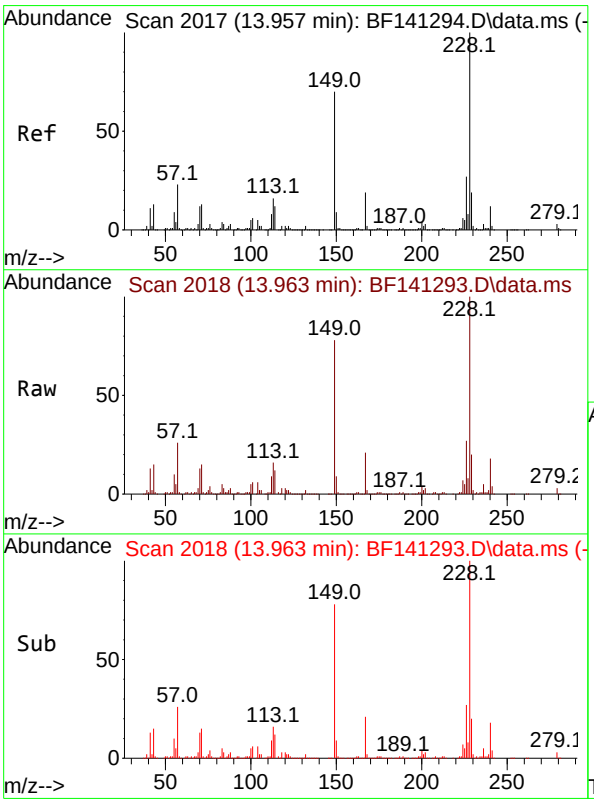
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.4 | 24.1 | 36.1 |
| 229 | 19.5 | 15.6 | 23.4 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

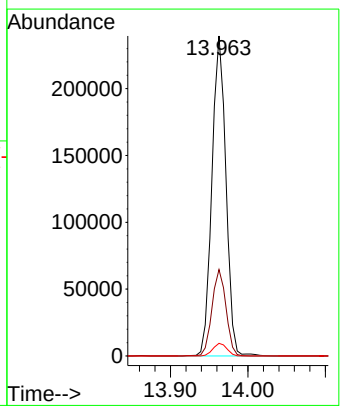


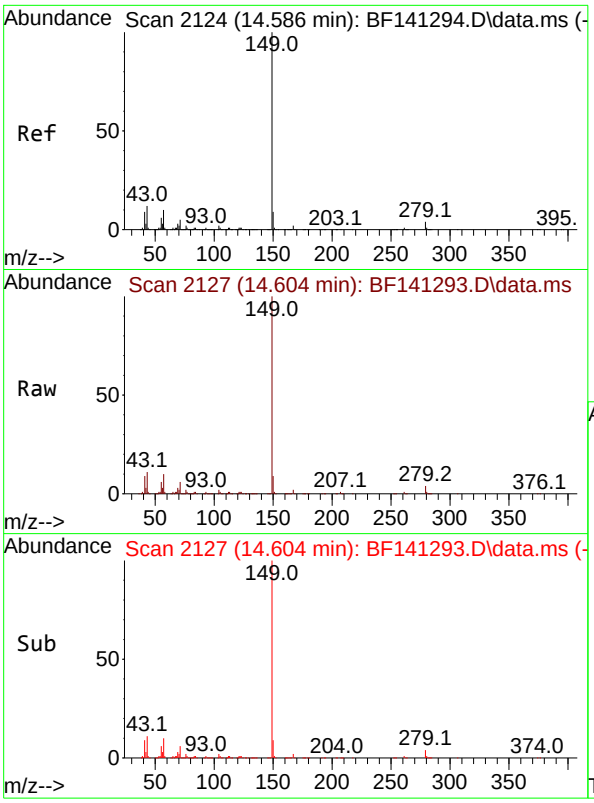




#84
Bis(2-ethylhexyl)phthalate
Concen: 22.857 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:149 Resp: 300546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.0 | 21.8 | 32.8 |
| 279 | 3.9 | 3.3 | 4.9 |






#85
Di-n-octyl phthalate
Concen: 21.964 ng
RT: 14.604 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

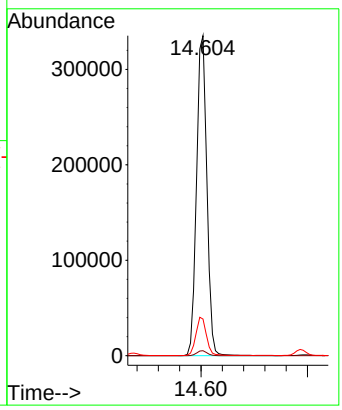
Tgt Ion:149 Resp: 45174

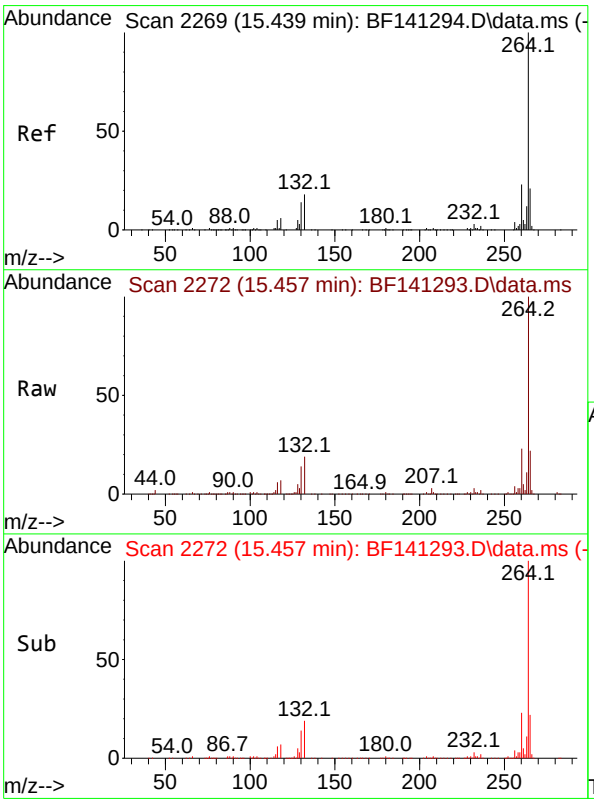
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 12.4 | 9.8 | 14.8 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

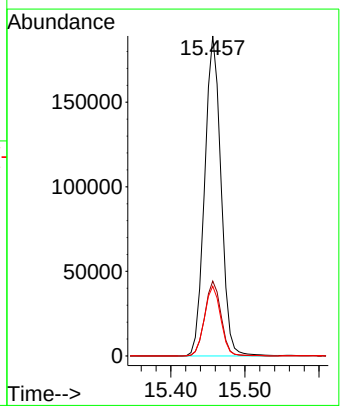


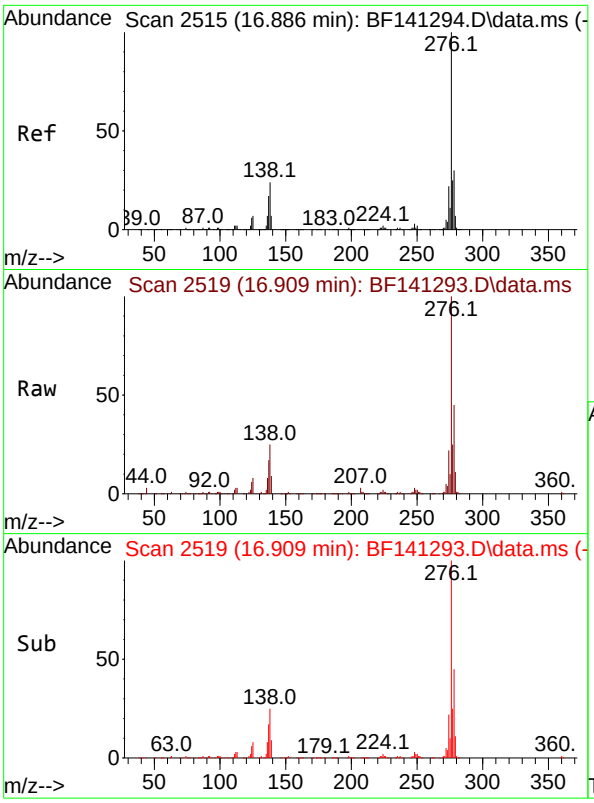




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:264 Resp: 289582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.6 | 27.8 |
| 265 | 21.8 | 16.7 | 25.1 |

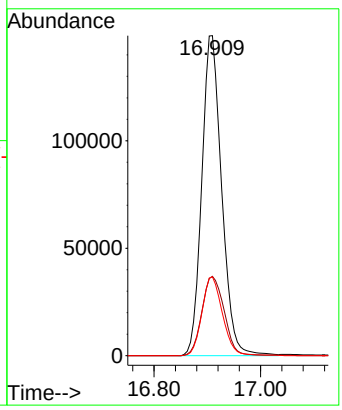





#87
Indeno(1,2,3-cd)pyrene
Concen: 20.466 ng
RT: 16.909 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:276 Resp: 38708

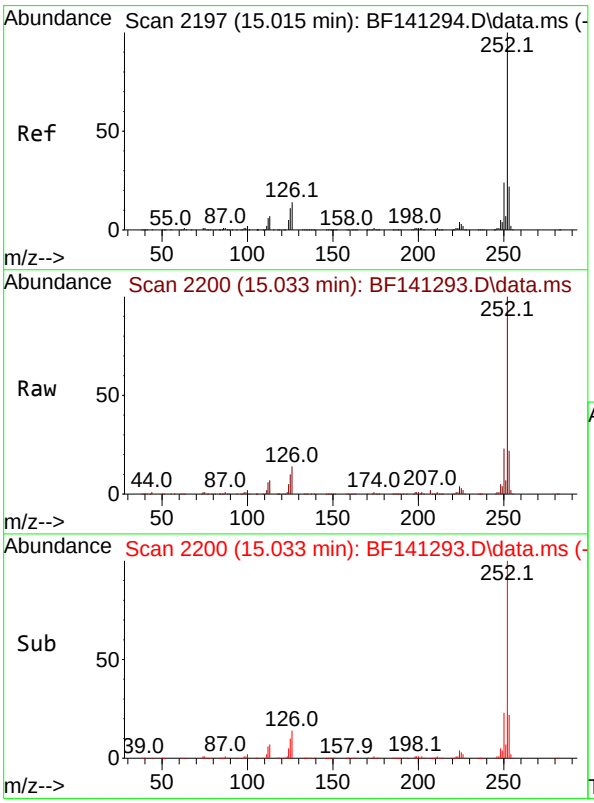
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.6 | 21.7 | 32.5 |
| 277 | 25.5 | 20.3 | 30.5 |




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

**Manual Integrations**
**APPROVED**

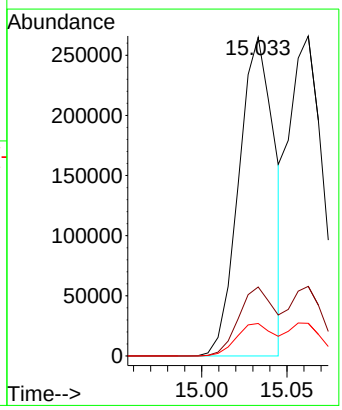
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

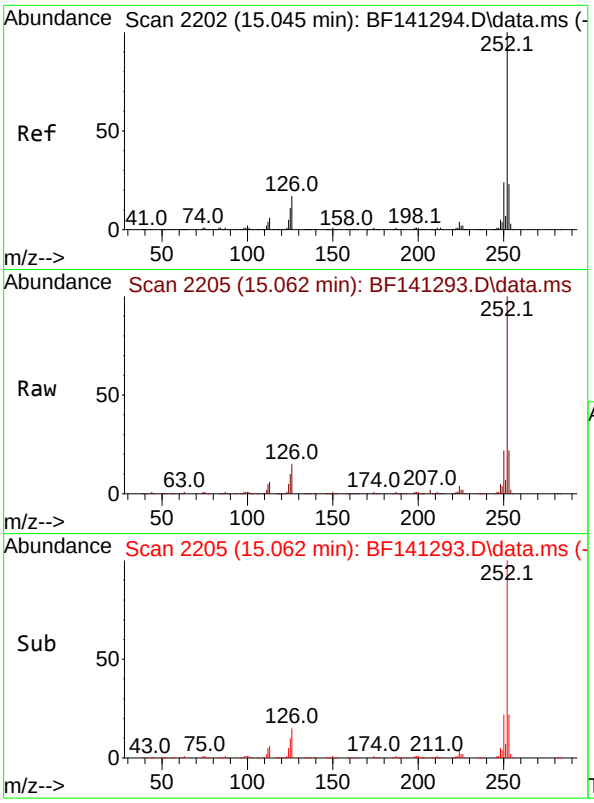



#88
Benzo(b)fluoranthene
Concen: 21.383 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:252 Resp: 384557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.4 | 26.2 |
| 125 | 10.2 | 8.6 | 12.8 |






#89
Benzo(k)fluoranthene
Concen: 22.900 ng
RT: 15.062 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

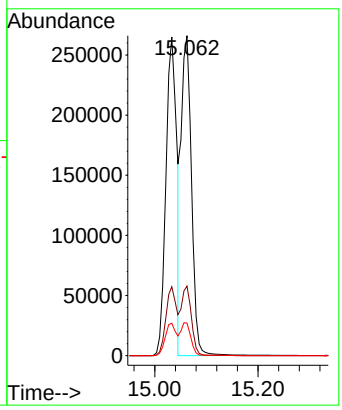
Tgt Ion:252 Resp: 36880

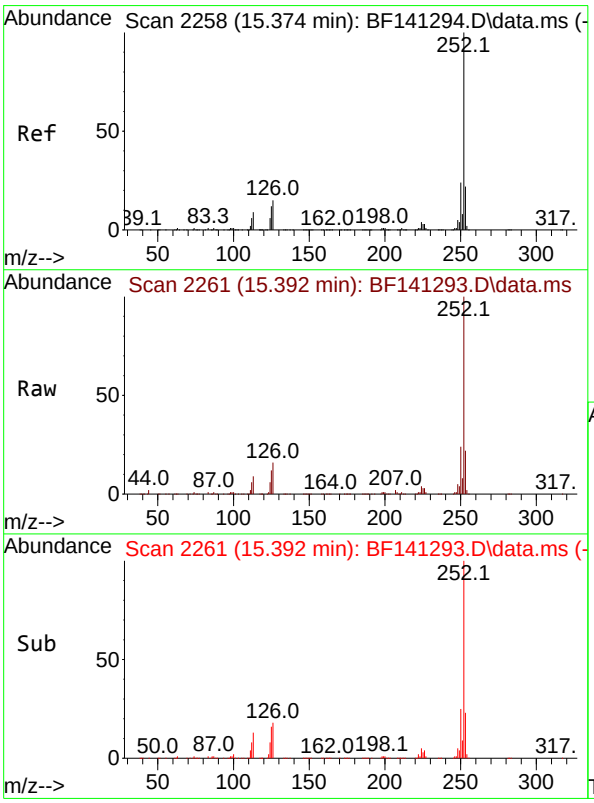
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.6 | 26.4 |
| 125 | 10.2 | 8.4 | 12.6 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

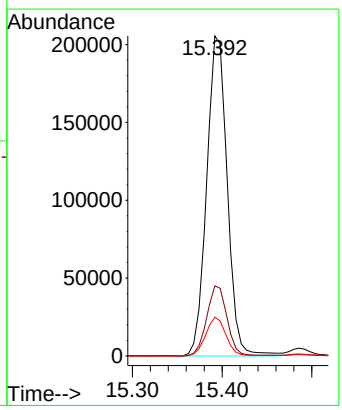


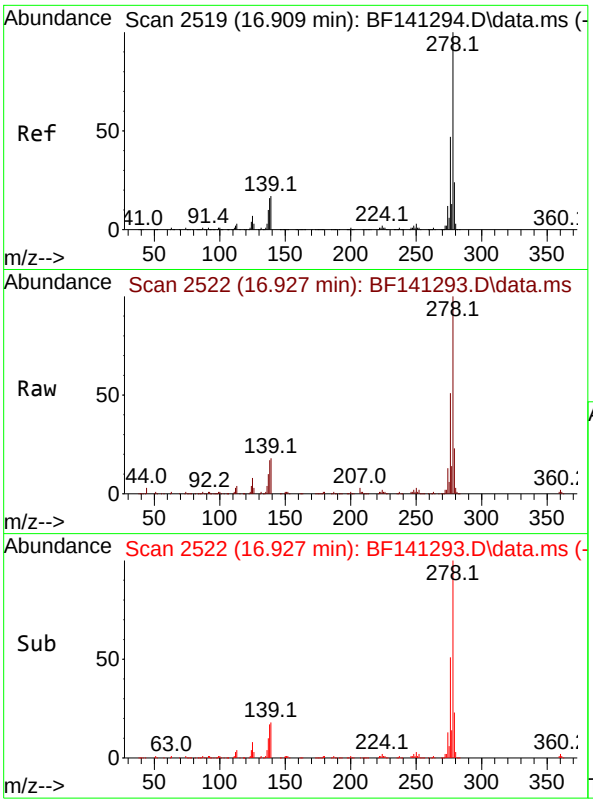




#90
Benzo(a)pyrene
Concen: 21.317 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:252 Resp: 327630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.2 | 25.8 |
| 125 | 12.1 | 9.4 | 14.2 |

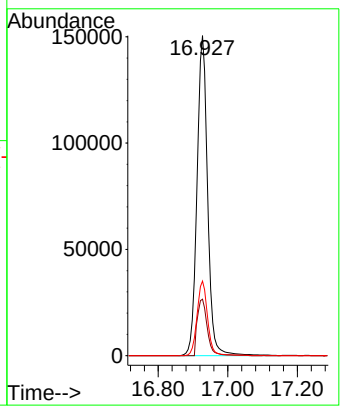





#91
Dibenzo(a,h)anthracene
Concen: 21.026 ng
RT: 16.927 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:278 Resp: 31877

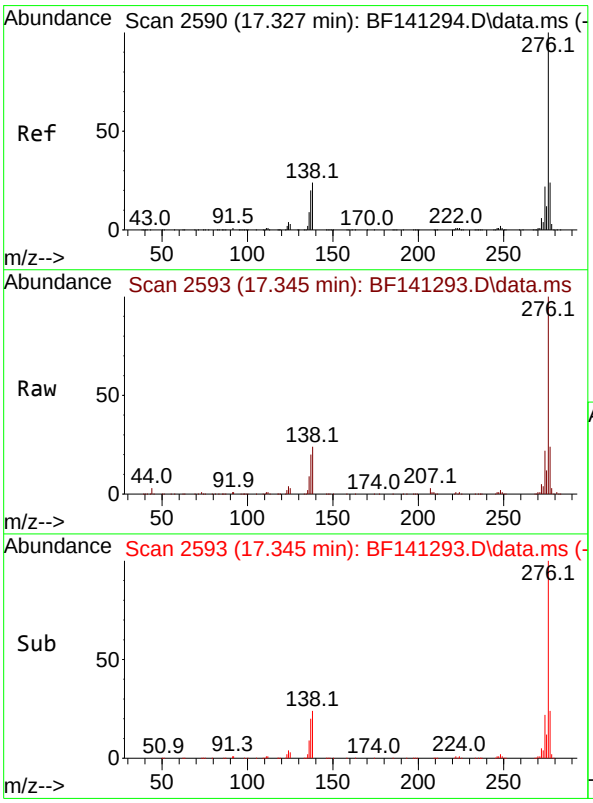
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.7 | 13.9 | 20.9 |
| 279 | 23.3 | 18.8 | 28.2 |




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

**Manual Integrations**
**APPROVED**

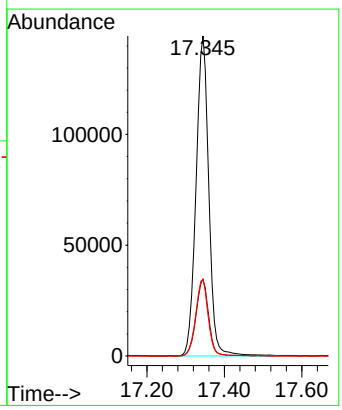
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025




#92
Benzo(g,h,i)perylene
Concen: 20.684 ng
RT: 17.345 min Scan# 2593
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:276 Resp: 329876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.0 | 19.2 | 28.8 |
| 138 | 23.9 | 19.0 | 28.4 |



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141294.D
Acq On : 29 Jan 2025 15:45
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Quant Time: Jan 29 16:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.798 | 152 | 136511 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.081 | 136 | 533326 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.839 | 164 | 282995 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.327 | 188 | 458392 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.968 | 240 | 260600 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.439 | 264 | 279417 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.404 | 112 | 655671 | 74.279 | ng | 0.00 |
| 7) Phenol-d6 | 6.428 | 99 | 829746 | 73.753 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.363 | 82 | 755539 | 74.958 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.627 | 330 | 195693 | 75.888 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.157 | 172 | 1339709 | 73.029 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.916 | 244 | 1232977 | 72.802 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.487 | 88 | 146751 | 37.453 | ng | 100 |
| 3) Pyridine | 3.216 | 79 | 360381 | 38.457 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.169 | 42 | 205026 | 38.203 | ng | 100 |
| 6) Aniline | 6.463 | 93 | 371145 | 39.471 | ng | 100 |
| 8) 2-Chlorophenol | 6.581 | 128 | 354141 | 37.357 | ng | 100 |
| 9) Benzaldehyde | 6.345 | 77 | 244365 | 37.402 | ng | 100 |
| 10) Phenol | 6.439 | 94 | 448441 | 37.678 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 6.534 | 93 | 336429 | 36.754 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.739 | 146 | 390276 | 37.328 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 6.816 | 146 | 390834 | 37.119 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 6.969 | 146 | 365173 | 37.114 | ng | 100 |
| 15) Benzyl Alcohol | 6.939 | 79 | 295478 | 38.445 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075 | 45 | 597590 | 37.578 | ng | 100 |
| 17) 2-Methylphenol | 7.051 | 107 | 284578 | 37.077 | ng | 100 |
| 18) Hexachloroethane | 7.310 | 117 | 144619 | 37.124 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 7.210 | 70 | 244379 | 36.524 | ng | 100 |
| 20) 3+4-Methylphenols | 7.204 | 107 | 351248 | 37.222 | ng | 100 |
| 22) Acetophenone | 7.210 | 105 | 465165 | 36.793 | ng | 100 |
| 24) Nitrobenzene | 7.381 | 77 | 396149 | 37.893 | ng | 100 |
| 25) Isophorone | 7.622 | 82 | 651994 | 37.429 | ng | 100 |
| 26) 2-Nitrophenol | 7.698 | 139 | 188435 | 38.483 | ng | 100 |
| 27) 2,4-Dimethylphenol | 7.733 | 122 | 239376 | 38.255 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.833 | 93 | 414781 | 37.367 | ng | 100 |
| 29) 2,4-Dichlorophenol | 7.939 | 162 | 288763 | 37.768 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.022 | 180 | 323865 | 36.932 | ng | 100 |
| 31) Naphthalene | 8.104 | 128 | 1041107 | 37.116 | ng | 100 |
| 32) Benzoic acid | 7.845 | 122 | 235596 | 41.459 | ng | 100 |
| 33) 4-Chloroaniline | 8.151 | 127 | 361001 | 38.313 | ng | 100 |
| 34) Hexachlorobutadiene | 8.222 | 225 | 190772 | 37.169 | ng | 100 |
| 35) Caprolactam | 8.516 | 113 | 94819 | 38.342 | ng | 100 |
| 36) 4-Chloro-3-methylphenol | 8.633 | 107 | 305768 | 37.262 | ng | 100 |
| 37) 2-Methylnaphthalene | 8.792 | 142 | 666038 | 37.286 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.892 | 142 | 646346 | 36.938 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.957 | 216 | 302471 | 37.591 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 8.945 | 237 | 97299 | 40.295 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 9.069 | 196 | 205797 | 39.181 | ng | 100 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141294.D
Acq On : 29 Jan 2025 15:45
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Quant Time: Jan 29 16:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

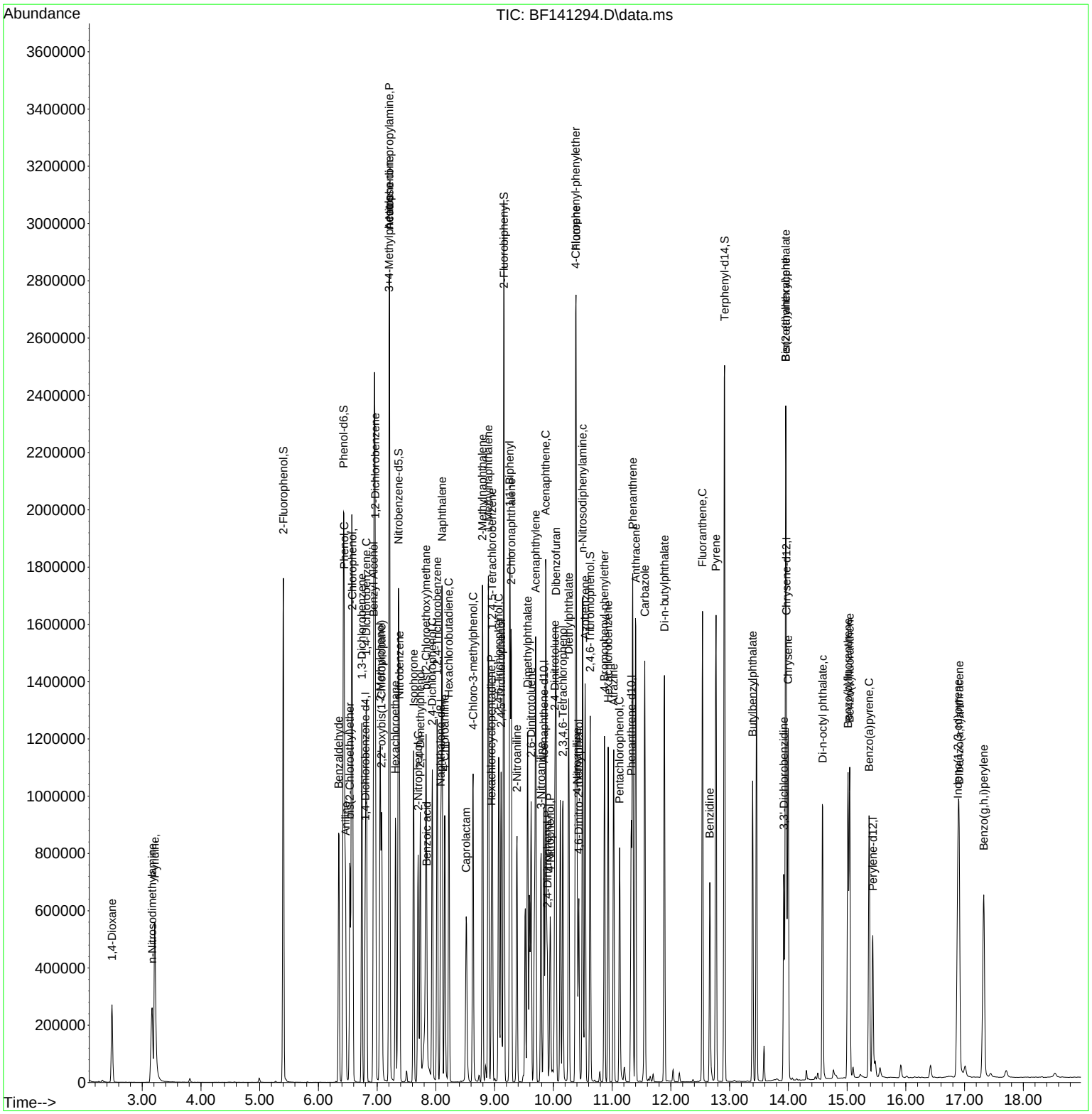
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.110 | 196 | 213401 | 37.346 | ng | 100 |
| 46) 1,1'-Biphenyl | 9.257 | 154 | 823004 | 37.278 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.280 | 162 | 634814 | 37.020 | ng | 100 |
| 48) 2-Nitroaniline | 9.380 | 65 | 205997 | 38.089 | ng | 100 |
| 49) Acenaphthylene | 9.698 | 152 | 902715 | 37.483 | ng | 100 |
| 50) Dimethylphthalate | 9.563 | 163 | 701107 | 36.945 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.622 | 165 | 167409 | 37.909 | ng | 100 |
| 52) Acenaphthene | 9.869 | 154 | 638597 | 37.266 | ng | 100 |
| 53) 3-Nitroaniline | 9.792 | 138 | 171409 | 39.240 | ng | 100 |
| 54) 2,4-Dinitrophenol | 9.898 | 184 | 83282 | 40.011 | ng | 100 |
| 55) Dibenzofuran | 10.045 | 168 | 859175 | 37.490 | ng | 100 |
| 56) 4-Nitrophenol | 9.945 | 139 | 126536 | 40.349 | ng | 100 |
| 57) 2,4-Dinitrotoluene | 10.027 | 165 | 218627 | 38.382 | ng | 100 |
| 58) Fluorene | 10.386 | 166 | 660612 | 37.076 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.163 | 232 | 172174 | 38.138 | ng | 100 |
| 60) Diethylphthalate | 10.263 | 149 | 693066 | 37.710 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.380 | 204 | 321112 | 36.929 | ng | 100 |
| 62) 4-Nitroaniline | 10.404 | 138 | 164154 | 39.120 | ng | 100 |
| 63) Azobenzene | 10.539 | 77 | 693050 | 37.621 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 10.433 | 198 | 114735 | 41.914 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 10.498 | 169 | 573712 | 38.602 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.869 | 248 | 198895 | 38.815 | ng | 100 |
| 68) Hexachlorobenzene | 10.933 | 284 | 209735 | 38.586 | ng | 100 |
| 69) Atrazine | 11.027 | 200 | 195062 | 39.131 | ng | 100 |
| 70) Pentachlorophenol | 11.127 | 266 | 131295 | 41.196 | ng | 100 |
| 71) Phenanthrene | 11.351 | 178 | 940021 | 38.175 | ng | 100 |
| 72) Anthracene | 11.404 | 178 | 925244 | 38.521 | ng | 100 |
| 73) Carbazole | 11.557 | 167 | 824095 | 38.735 | ng | 100 |
| 74) Di-n-butylphthalate | 11.892 | 149 | 995172 | 38.805 | ng | 100 |
| 75) Fluoranthene | 12.539 | 202 | 928946 | 38.650 | ng | 100 |
| 77) Benzidine | 12.663 | 184 | 380623 | 48.034 | ng | 100 |
| 78) Pyrene | 12.768 | 202 | 914205 | 36.333 | ng | 100 |
| 80) Butylbenzylphthalate | 13.392 | 149 | 326158 | 37.532 | ng | 100 |
| 81) Benzo(a)anthracene | 13.957 | 228 | 661997 | 37.062 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.921 | 252 | 217856 | 38.953 | ng | 100 |
| 83) Chrysene | 13.998 | 228 | 591939 | 35.738 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.957 | 149 | 409365 | 37.540 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.586 | 149 | 640977 | 37.578 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.886 | 276 | 702692 | 38.503 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.015 | 252 | 625758 | 36.061 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.045 | 252 | 605401 | 38.959 | ng | 100 |
| 90) Benzo(a)pyrene | 15.374 | 252 | 564975 | 38.096 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 16.909 | 278 | 567762 | 38.812 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 17.327 | 276 | 582768 | 37.870 | ng | 100 |

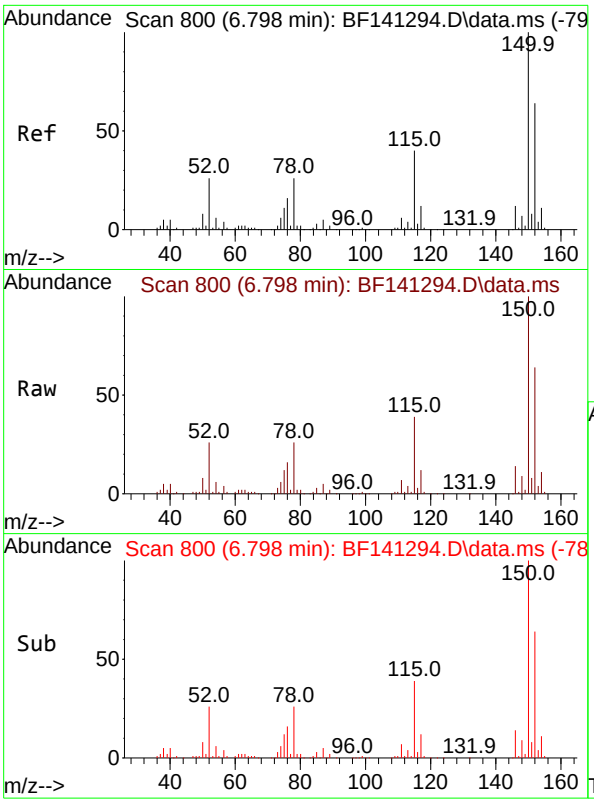
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141294.D
Acq On : 29 Jan 2025 15:45
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Quant Time: Jan 29 16:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration



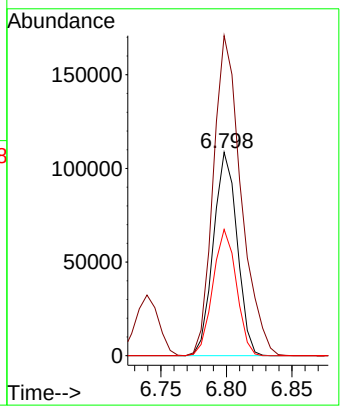


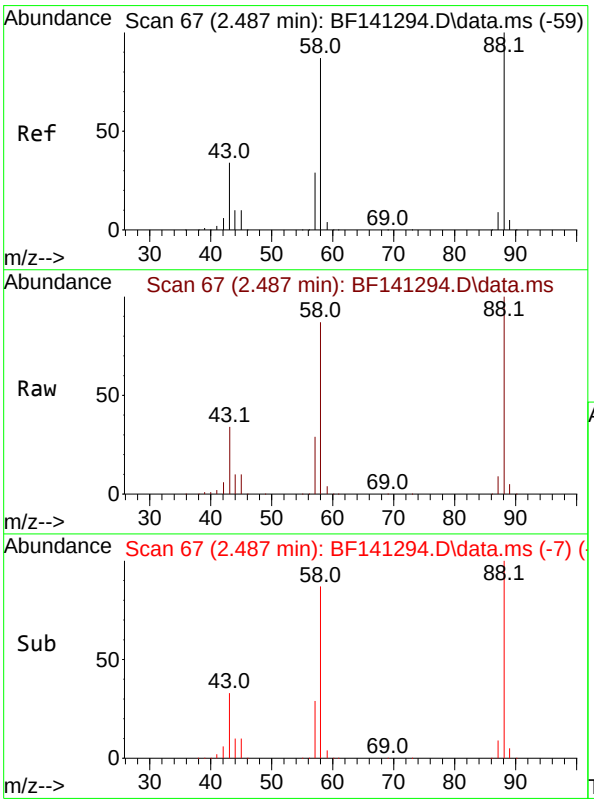

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:152 Resp: 136511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.4 | 125.9 | 188.9 |
| 115 | 62.1 | 49.7 | 74.5 |

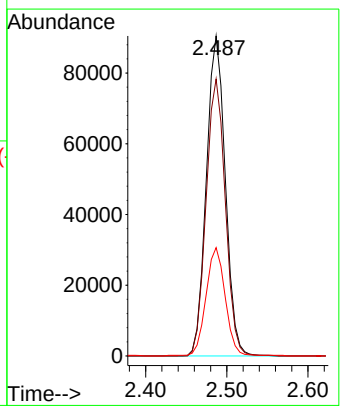


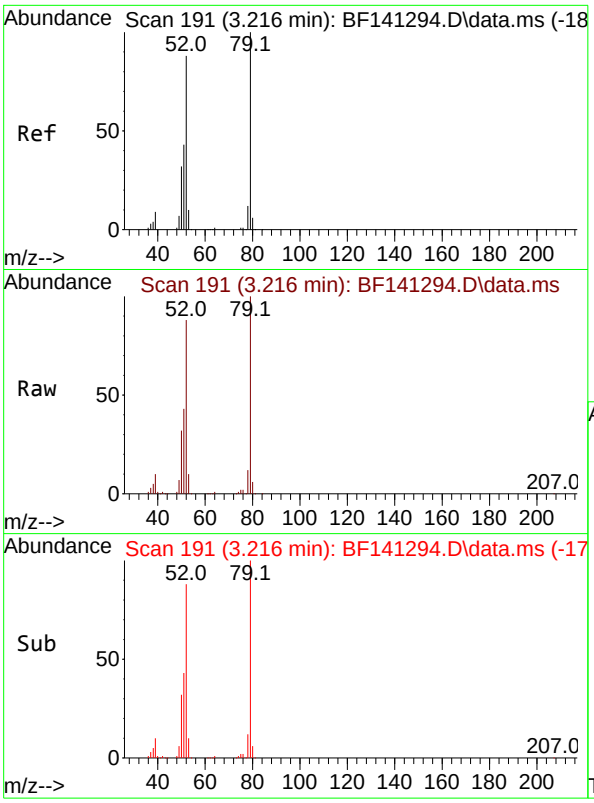




#2
1,4-Dioxane
Concen: 37.453 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 88 Resp: 146751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 87.8 | 70.2 | 105.4 |
| 43 | 34.5 | 27.6 | 41.4 |



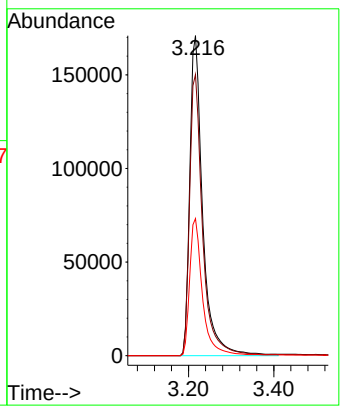


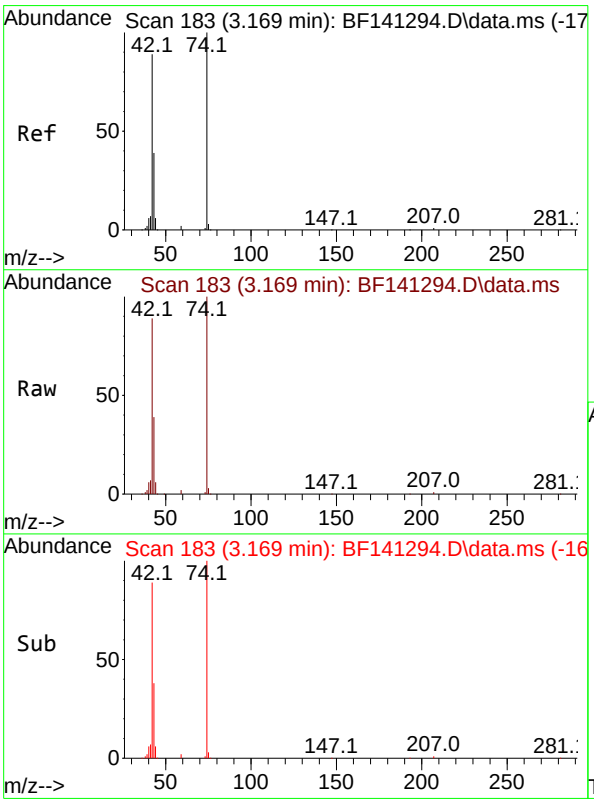

#3
Pyridine
Concen: 38.457 ng
RT: 3.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 79 Resp: 360381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 87.9 | 70.3 | 105.5 |
| 51 | 42.9 | 34.3 | 51.5 |

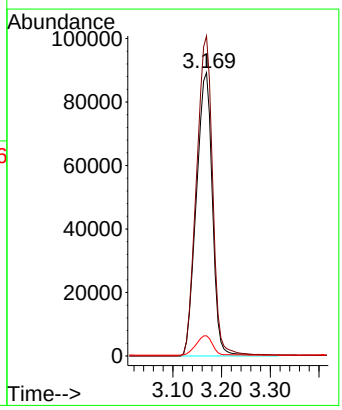


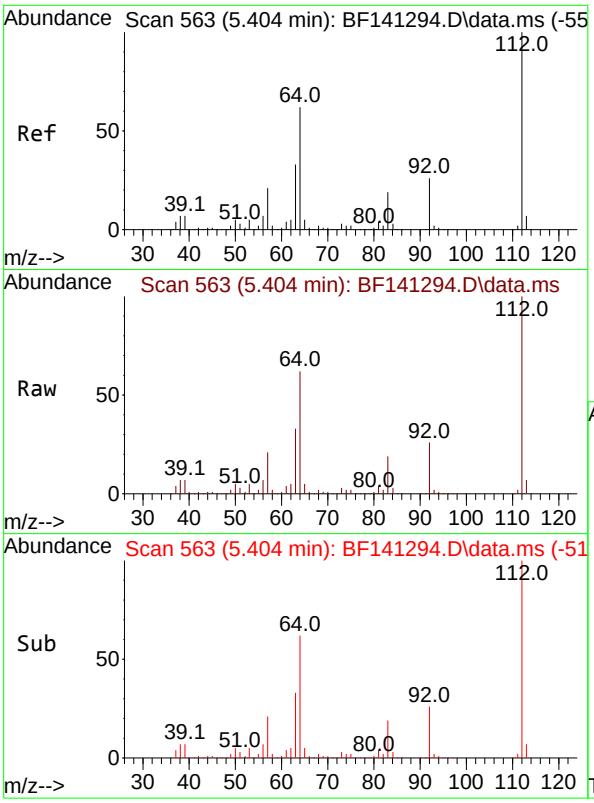




#4
n-Nitrosodimethylamine
Concen: 38.203 ng
RT: 3.169 min Scan# 183
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 42 Resp: 205026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 112.9 | 90.3 | 135.5 |
| 44 | 7.1 | 5.7 | 8.5 |



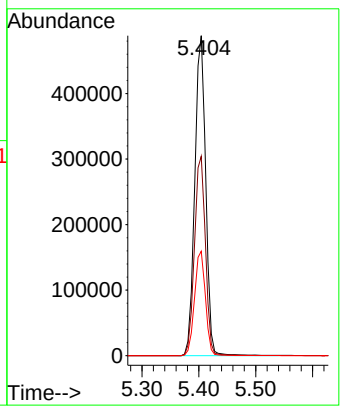


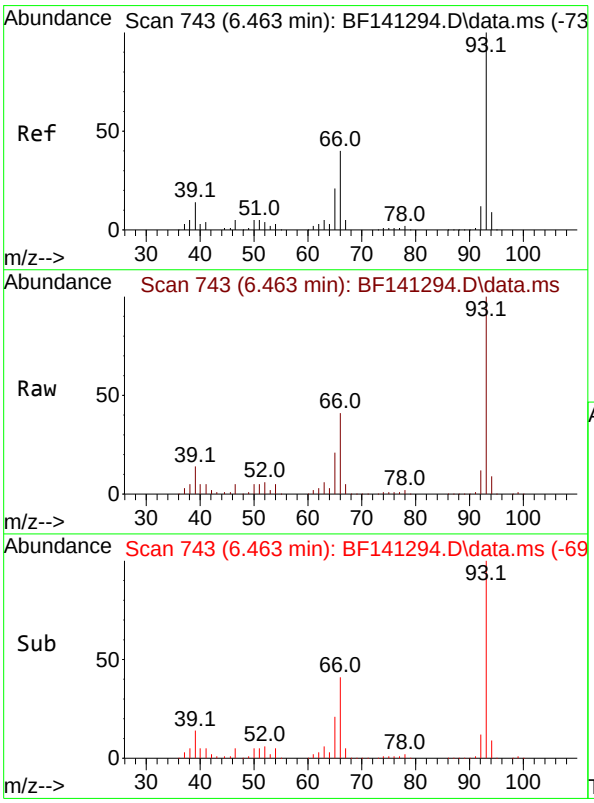

#5
2-Fluorophenol
Concen: 74.279 ng
RT: 5.404 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:112 Resp: 655671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.3 | 49.8 | 74.8 |
| 63 | 32.6 | 26.1 | 39.1 |

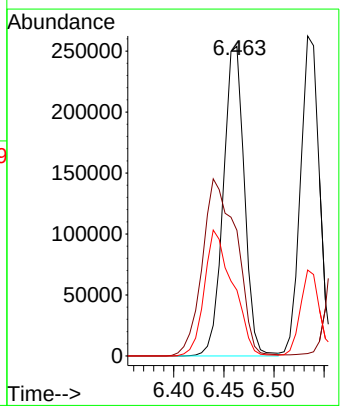


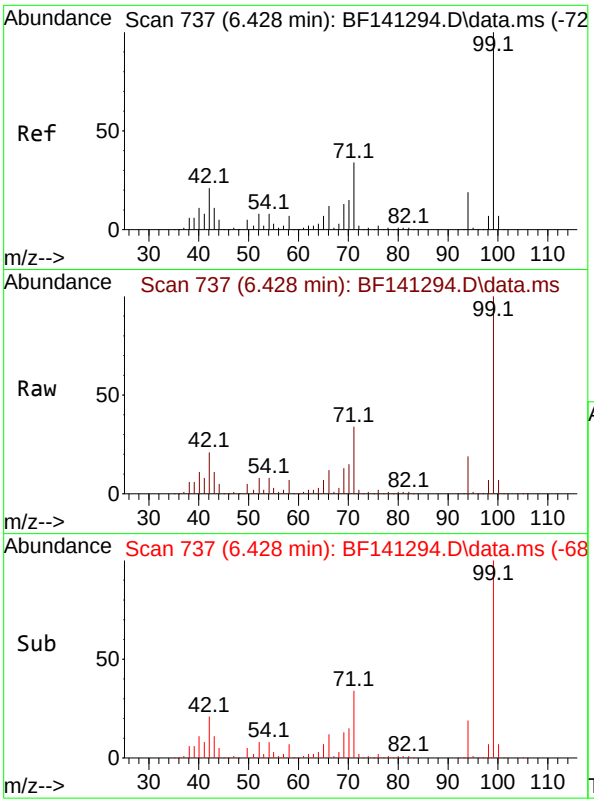




#6
Aniline
Concen: 39.471 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 93 Resp: 371145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.6 | 32.5 | 48.7 |
| 65 | 21.3 | 17.0 | 25.6 |



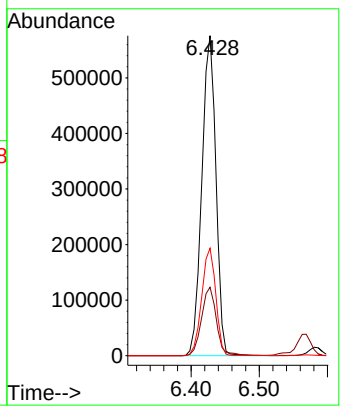


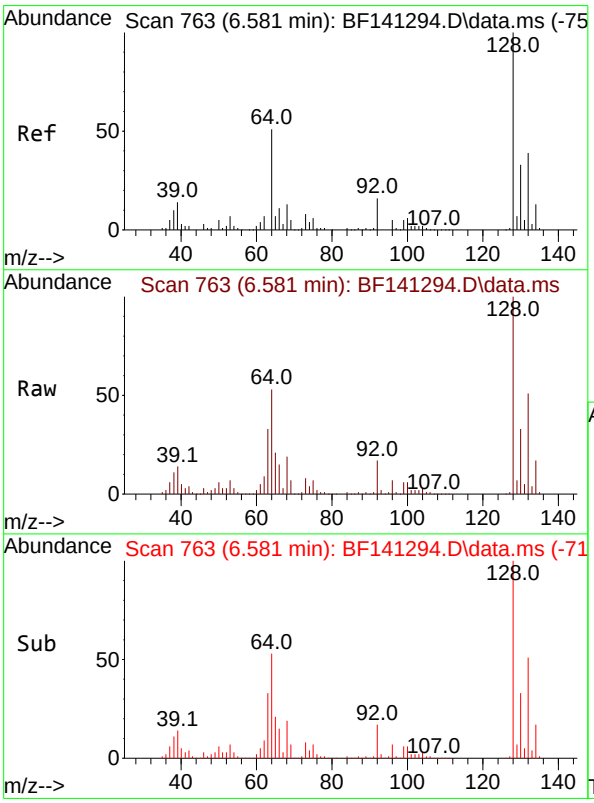

#7
Phenol-d6
Concen: 73.753 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 99 Resp: 829746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.4 | 17.1 | 25.7 |
| 71 | 33.6 | 26.9 | 40.3 |

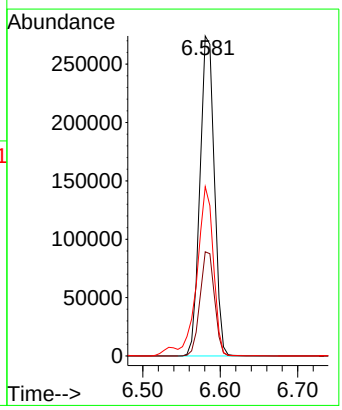


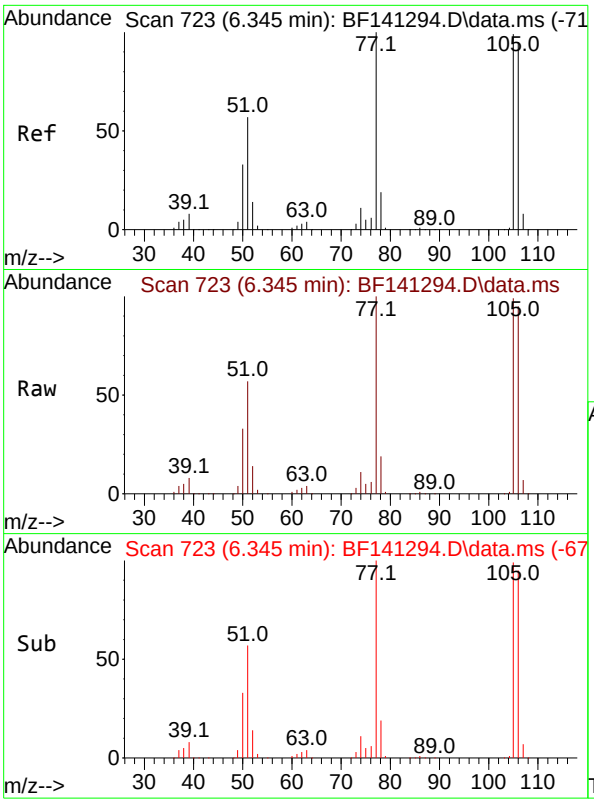




#8
2-Chlorophenol
Concen: 37.357 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:128 Resp: 354141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.5 | 12.5 | 52.5 |
| 64 | 52.9 | 32.9 | 72.9 |



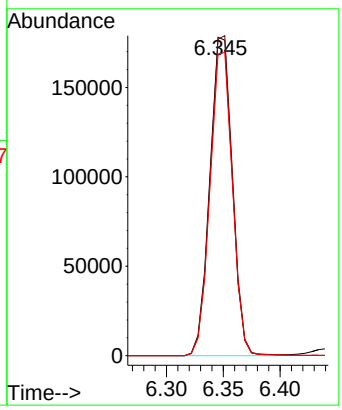


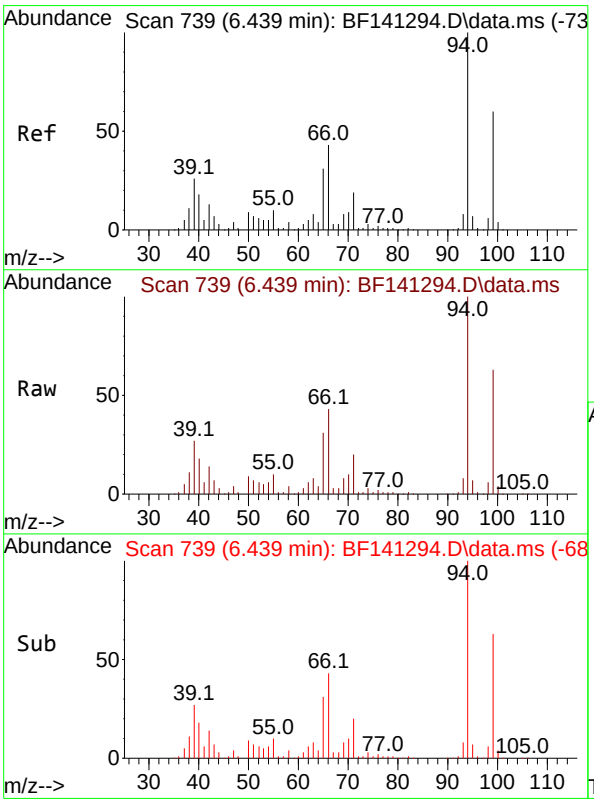

#9
Benzaldehyde
Concen: 37.402 ng
RT: 6.345 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 77 Resp: 244365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.4 | 79.4 | 119.4 |
| 106 | 94.6 | 74.6 | 114.6 |

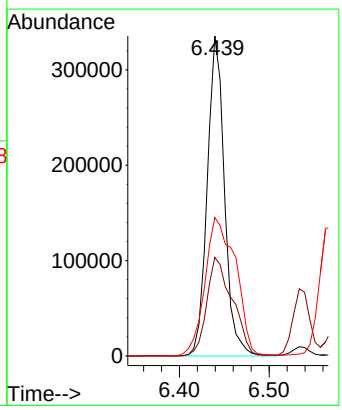


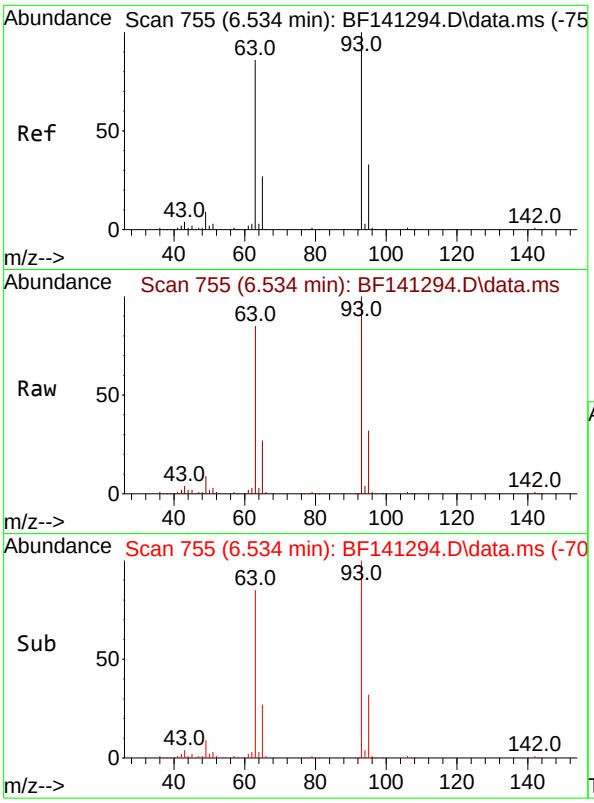




#10
Phenol
Concen: 37.678 ng
RT: 6.439 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 94 Resp: 448441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 30.8 | 10.8 | 50.8 |
| 66 | 43.3 | 23.3 | 63.3 |



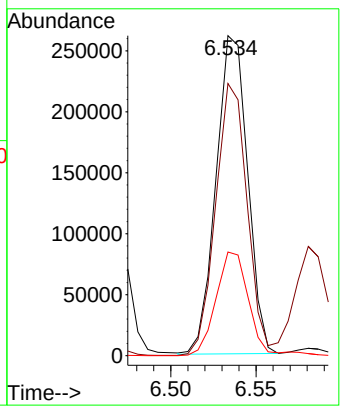


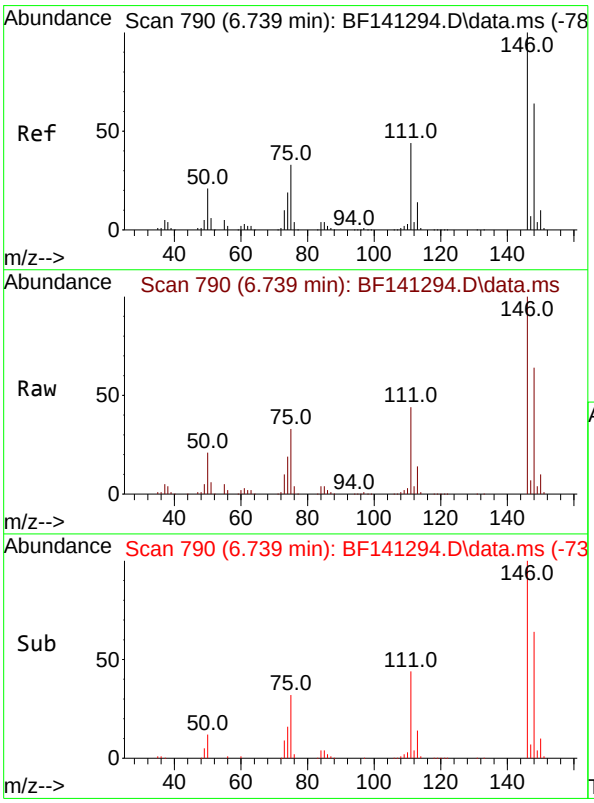

#11
bis(2-Chloroethyl)ether
Concen: 36.754 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 93 Resp: 336429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 85.0 | 65.0 | 105.0 |
| 95 | 32.4 | 12.4 | 52.4 |

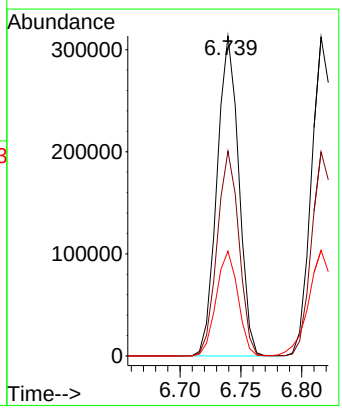


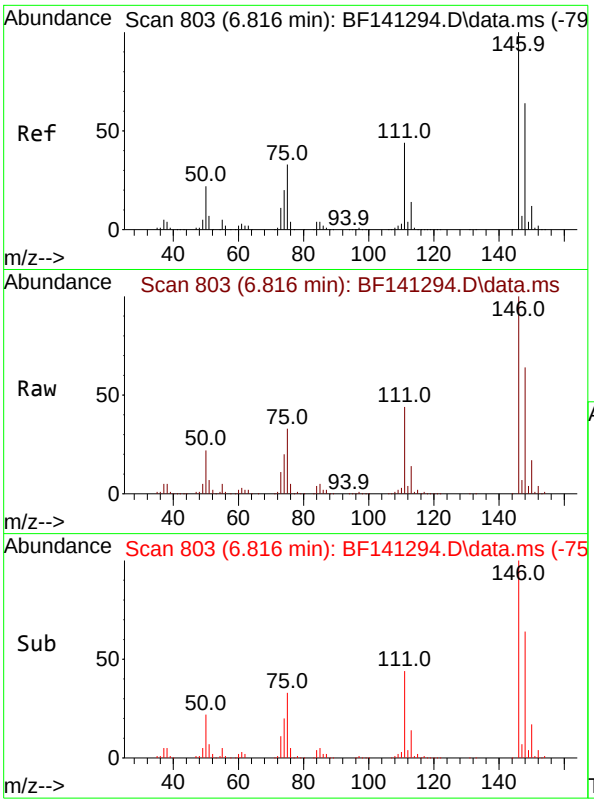




#12
1,3-Dichlorobenzene
Concen: 37.328 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:146 Resp: 390276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.2 | 76.8 |
| 75 | 32.8 | 26.2 | 39.4 |



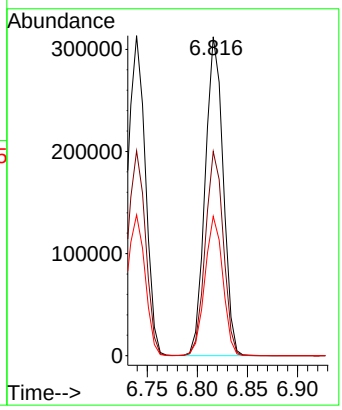


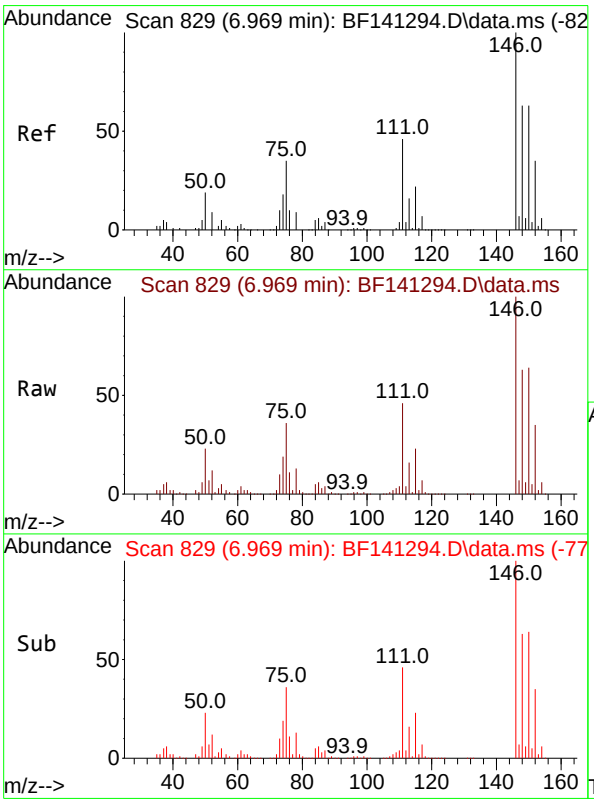

#13
1,4-Dichlorobenzene
Concen: 37.119 ng
RT: 6.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:146 Resp: 390834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.2 | 76.8 |
| 111 | 43.7 | 35.0 | 52.4 |

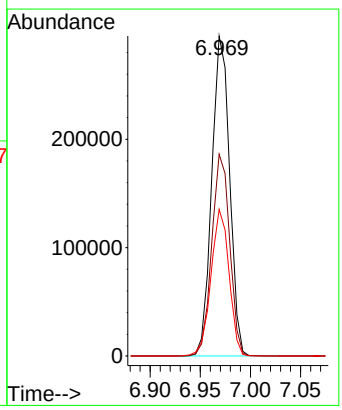


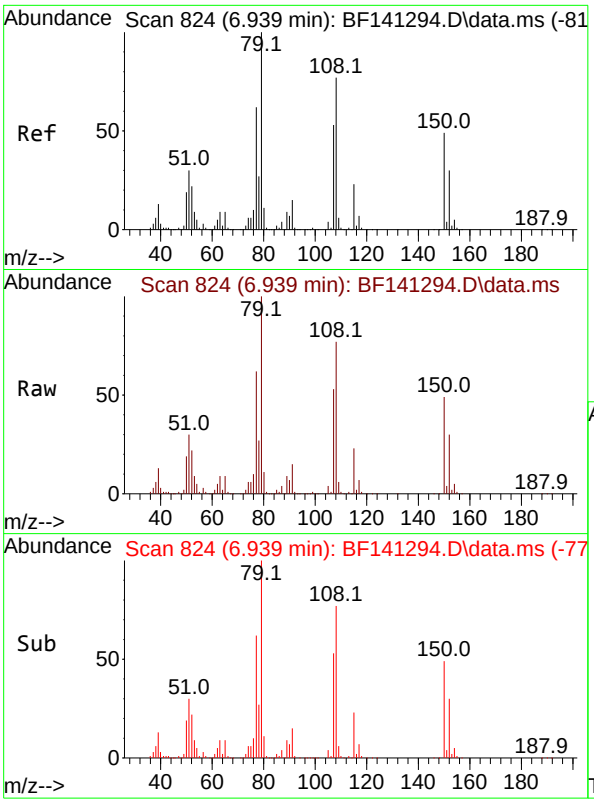




#14
1,2-Dichlorobenzene
Concen: 37.114 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:146 Resp: 365173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.1 | 50.5 | 75.7 |
| 111 | 45.8 | 36.6 | 55.0 |



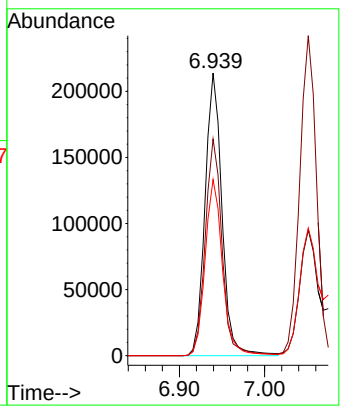


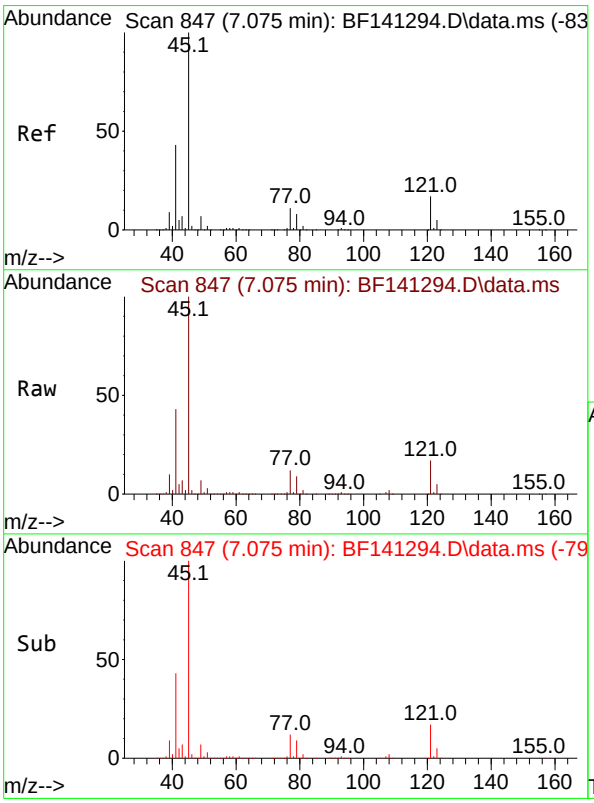

#15
Benzyl Alcohol
Concen: 38.445 ng
RT: 6.939 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 79 Resp: 295478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.7 | 61.4 | 92.0 |
| 77 | 62.4 | 49.9 | 74.9 |

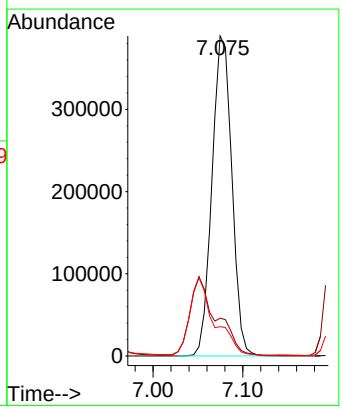


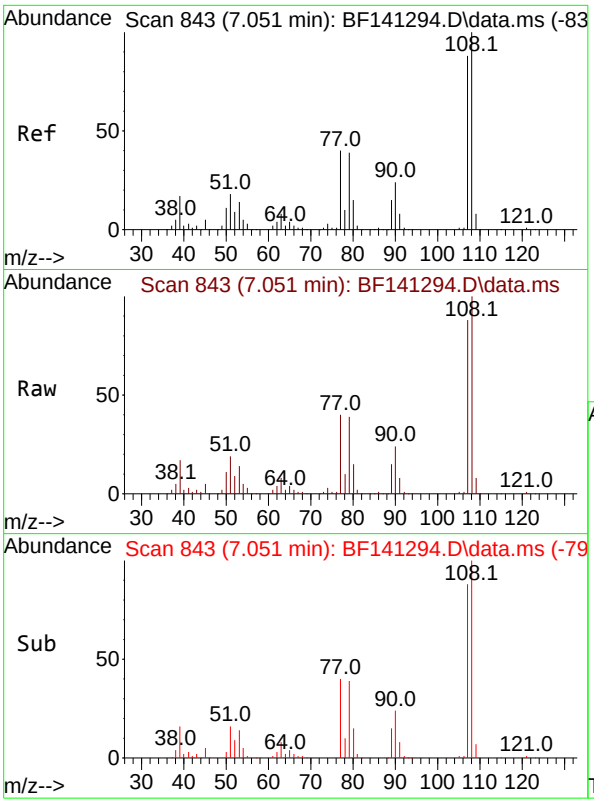




#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.578 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 45 Resp: 597590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 11.8 | 0.0 | 31.8 |
| 79 | 9.1 | 0.0 | 29.1 |



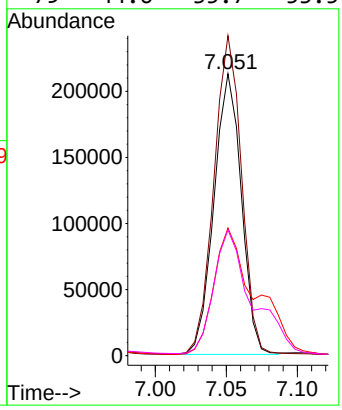


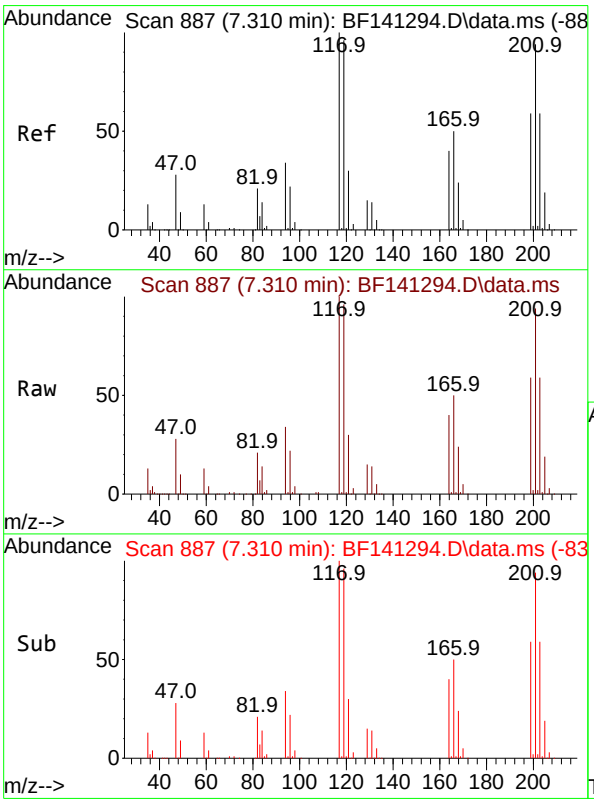

#17
2-Methylphenol
Concen: 37.077 ng
RT: 7.051 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:107 Resp: 284578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.5 | 90.8 | 136.2 |
| 77 | 45.3 | 36.2 | 54.4 |
| 79 | 44.6 | 35.7 | 53.5 |

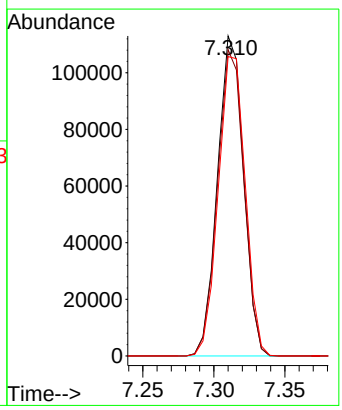


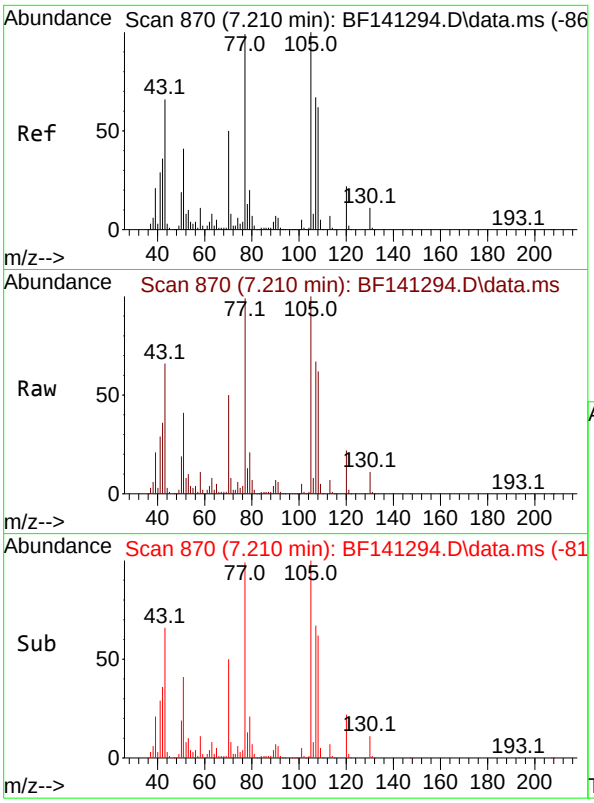




#18
Hexachloroethane
Concen: 37.124 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:117 Resp: 144619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.7 | 76.6 | 114.8 |
| 201 | 93.5 | 74.8 | 112.2 |



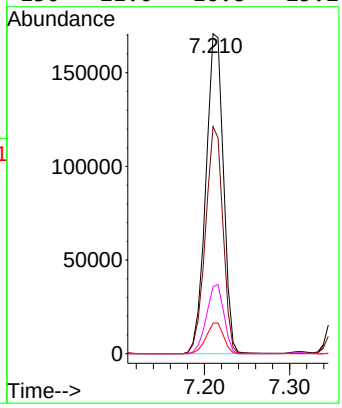


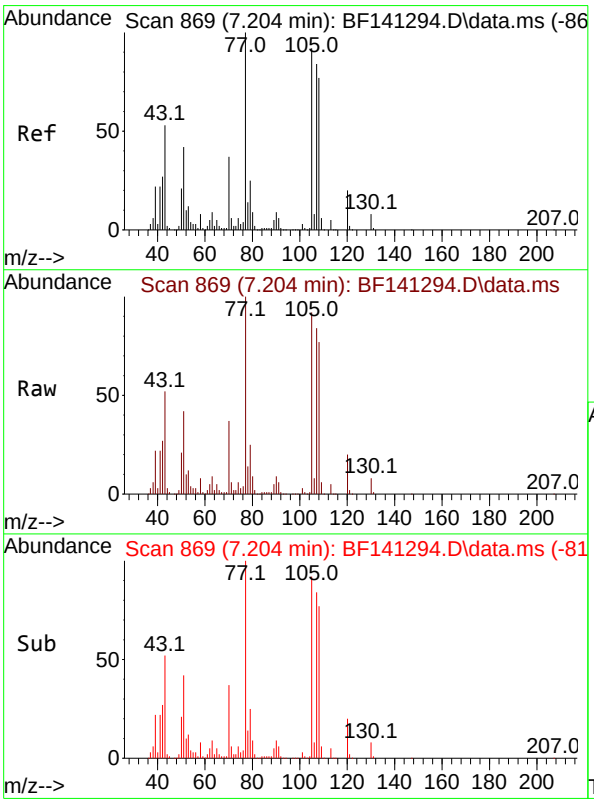

#19
n-Nitroso-di-n-propylamine
Concen: 36.524 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 70 Resp: 244379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 71.0 | 56.8 | 85.2 |
| 101 | 9.6 | 7.7 | 11.5 |
| 130 | 21.0 | 16.8 | 25.2 |

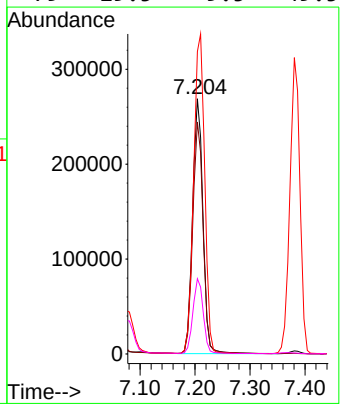


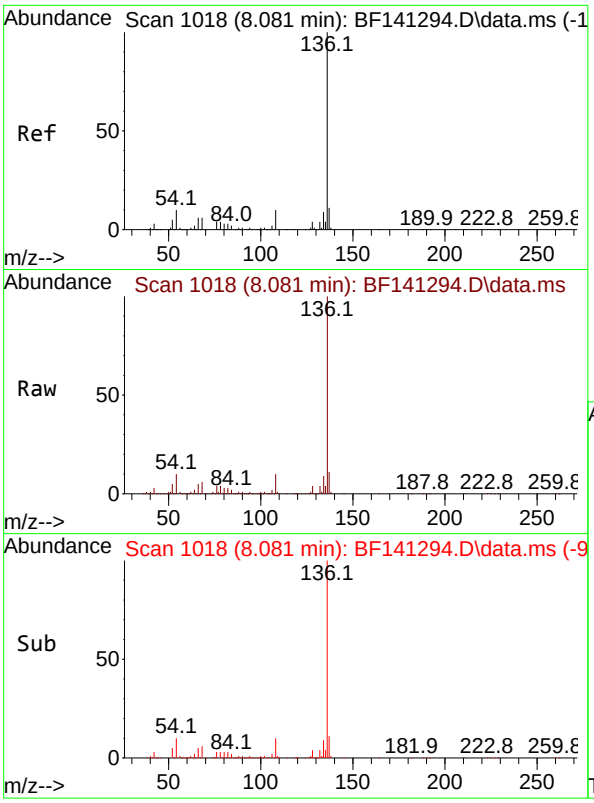




#20
3+4-Methylphenols
Concen: 37.222 ng
RT: 7.204 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:107 Resp: 351248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.9 | 70.9 | 110.9 |
| 77 | 118.5 | 98.5 | 138.5 |
| 79 | 29.5 | 9.5 | 49.5 |



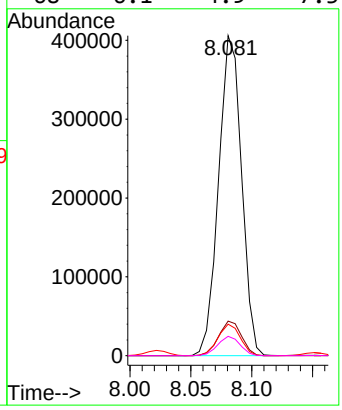


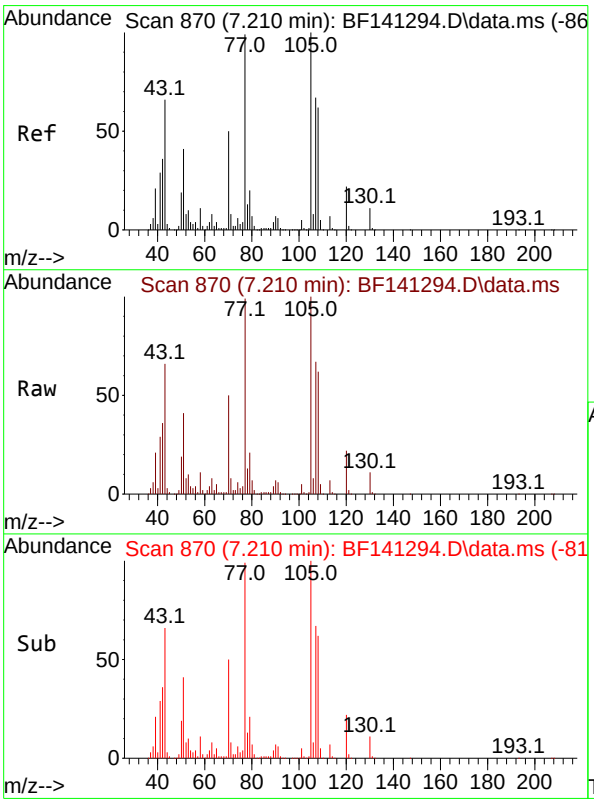

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:136 Resp: 533326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.6 | 13.0 |
| 54 | 9.8 | 7.8 | 11.8 |
| 68 | 6.1 | 4.9 | 7.3 |

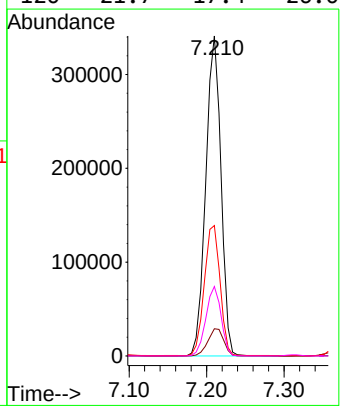


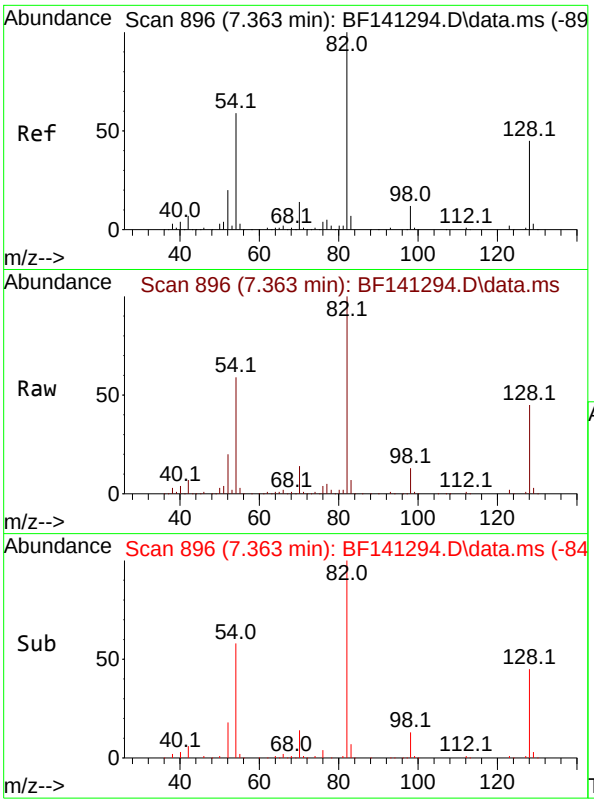




#22
Acetophenone
Concen: 36.793 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:105 Resp: 465165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.5 | 6.8 | 10.2 |
| 51 | 40.8 | 32.6 | 49.0 |
| 120 | 21.7 | 17.4 | 26.0 |



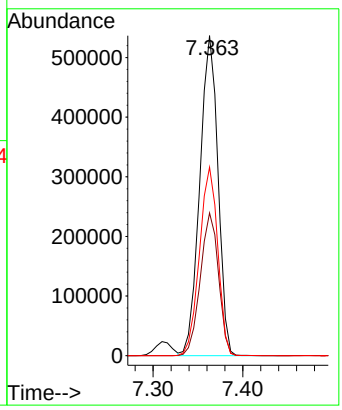


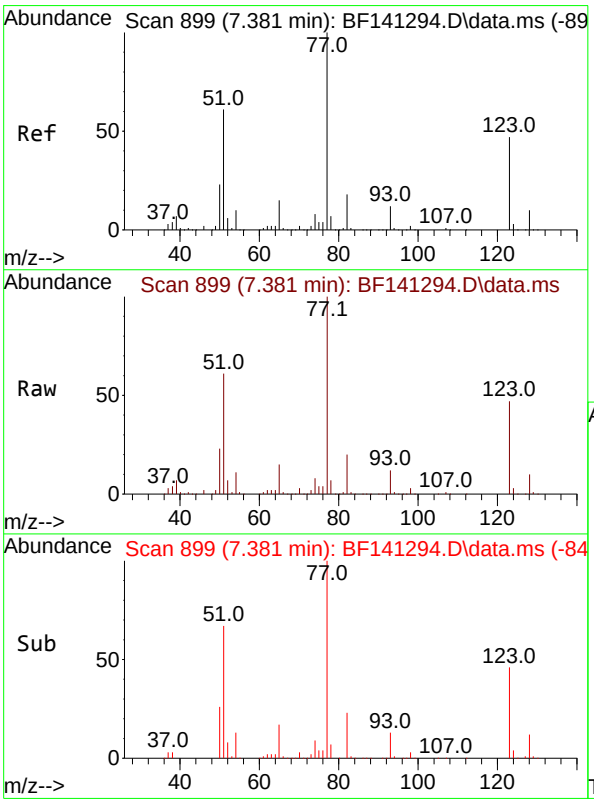

#23
Nitrobenzene-d5
Concen: 74.958 ng
RT: 7.363 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 82 Resp: 755539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.6 | 35.7 | 53.5 |
| 54 | 58.9 | 47.1 | 70.7 |

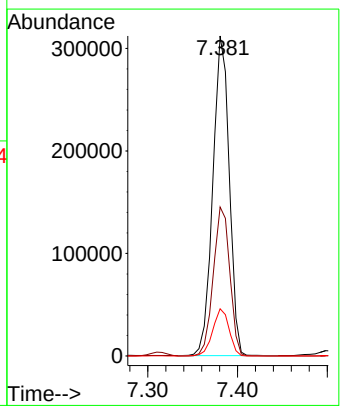


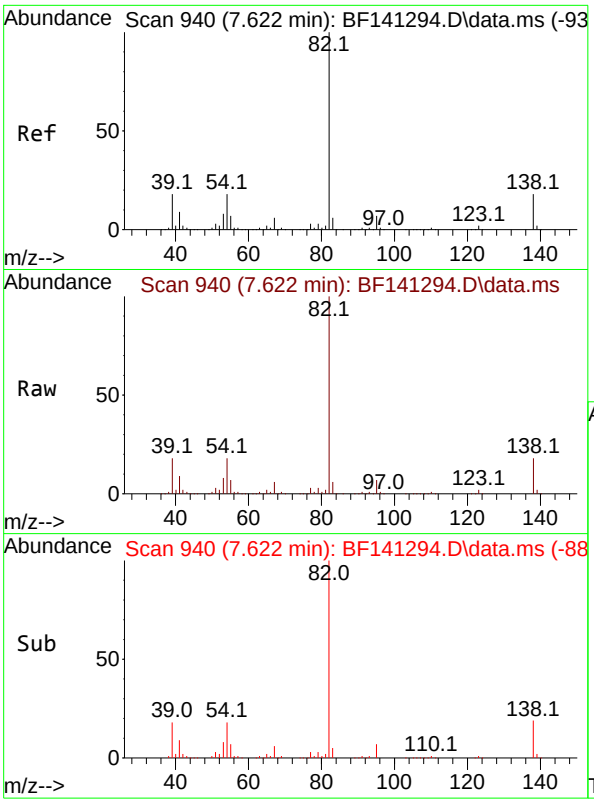




#24
Nitrobenzene
Concen: 37.893 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 77 Resp: 396149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.6 | 37.3 | 55.9 |
| 65 | 14.7 | 11.8 | 17.6 |



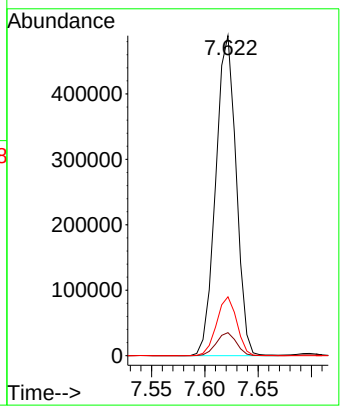


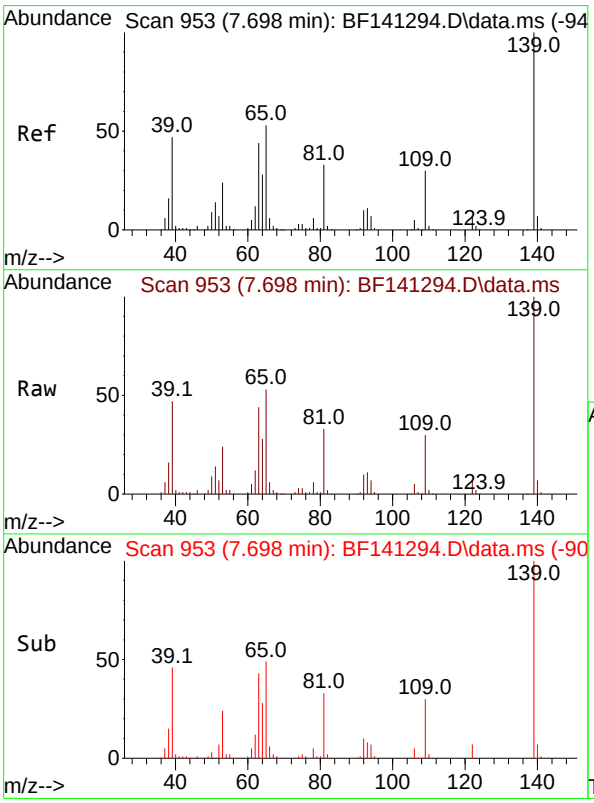

#25
Isophorone
Concen: 37.429 ng
RT: 7.622 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 82 Resp: 651994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.2 | 5.8 | 8.6 |
| 138 | 18.4 | 14.7 | 22.1 |

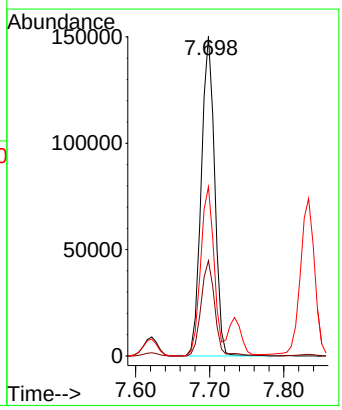


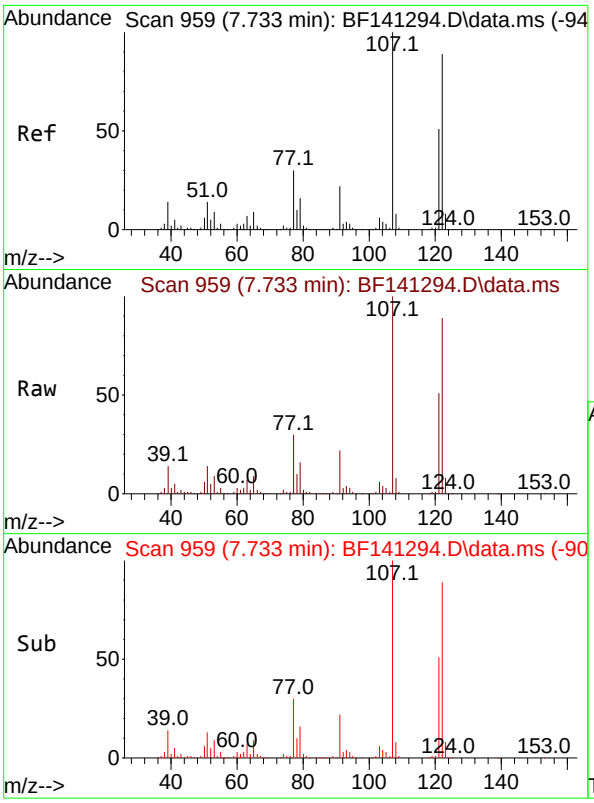




#26
2-Nitrophenol
Concen: 38.483 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:139 Resp: 188435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.7 | 23.8 | 35.6 |
| 65 | 52.8 | 42.2 | 63.4 |



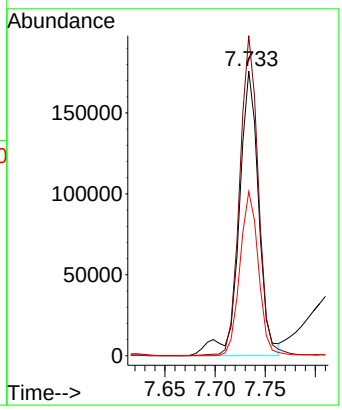


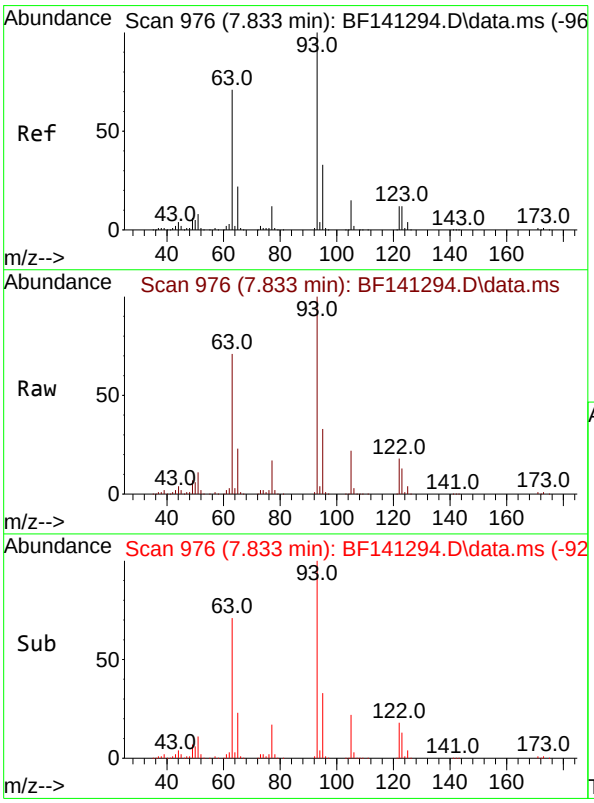

#27
2,4-Dimethylphenol
Concen: 38.255 ng
RT: 7.733 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:122 Resp: 239376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.4 | 89.9 | 134.9 |
| 121 | 57.6 | 46.1 | 69.1 |

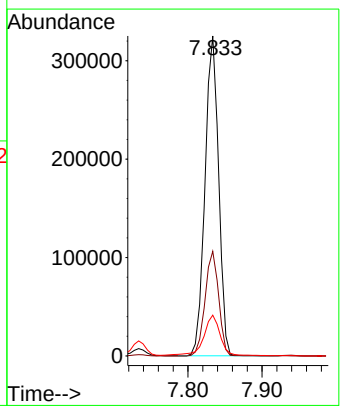


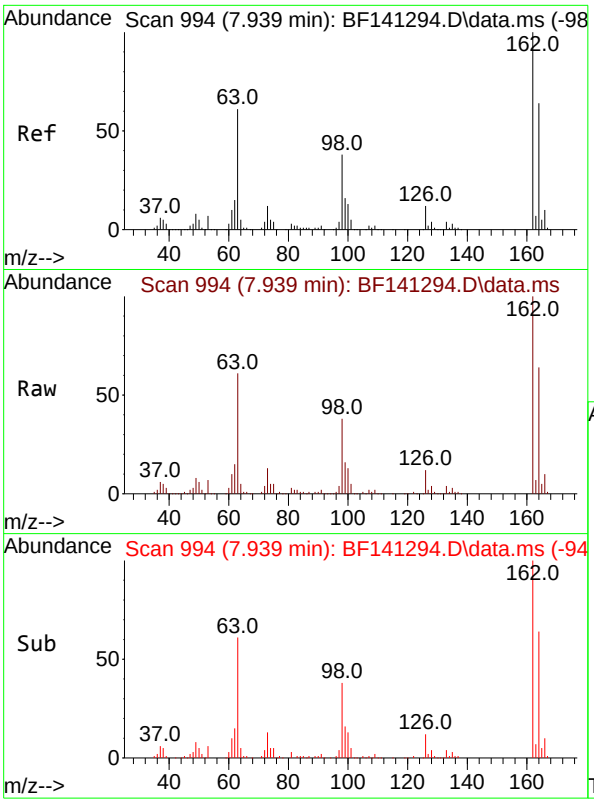




#28
bis(2-Chloroethoxy)methane
Concen: 37.367 ng
RT: 7.833 min Scan# 976
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 93 Resp: 414781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.7 | 26.2 | 39.2 |
| 123 | 12.8 | 10.2 | 15.4 |



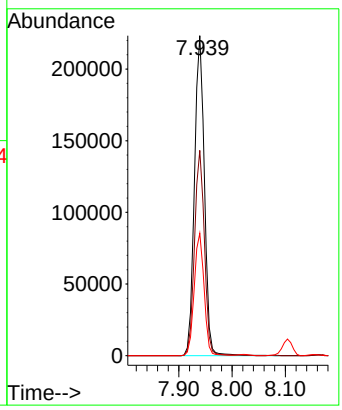


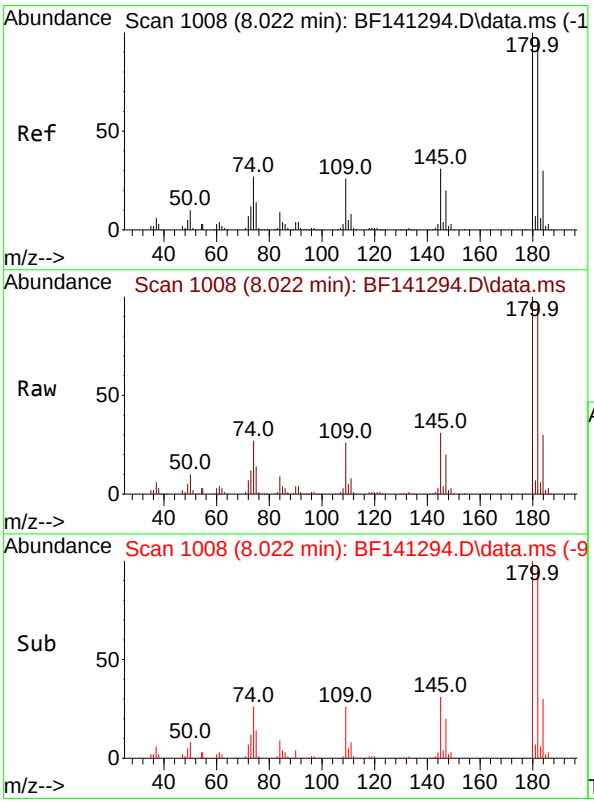

#29
2,4-Dichlorophenol
Concen: 37.768 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:162 Resp: 288763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.2 | 44.2 | 84.2 |
| 98 | 38.2 | 18.2 | 58.2 |

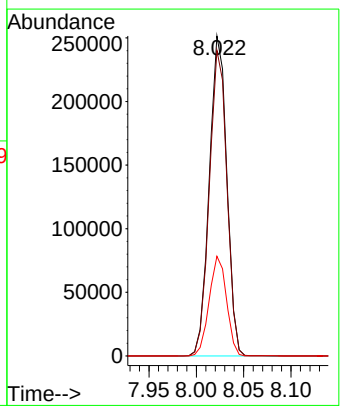


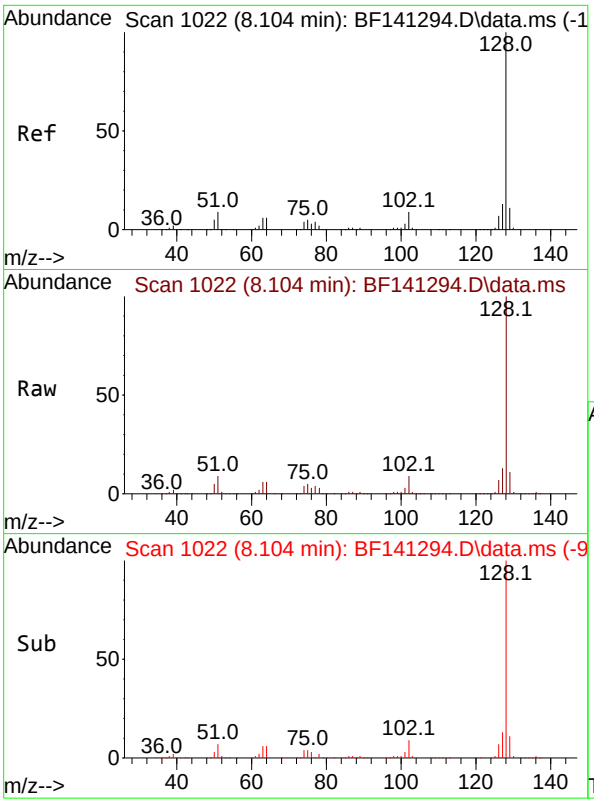




#30
1,2,4-Trichlorobenzene
Concen: 36.932 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:180 Resp: 323865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 76.4 | 114.6 |
| 145 | 31.1 | 24.9 | 37.3 |



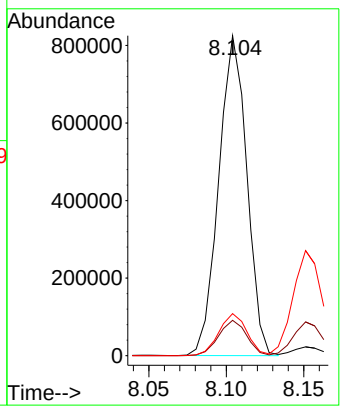


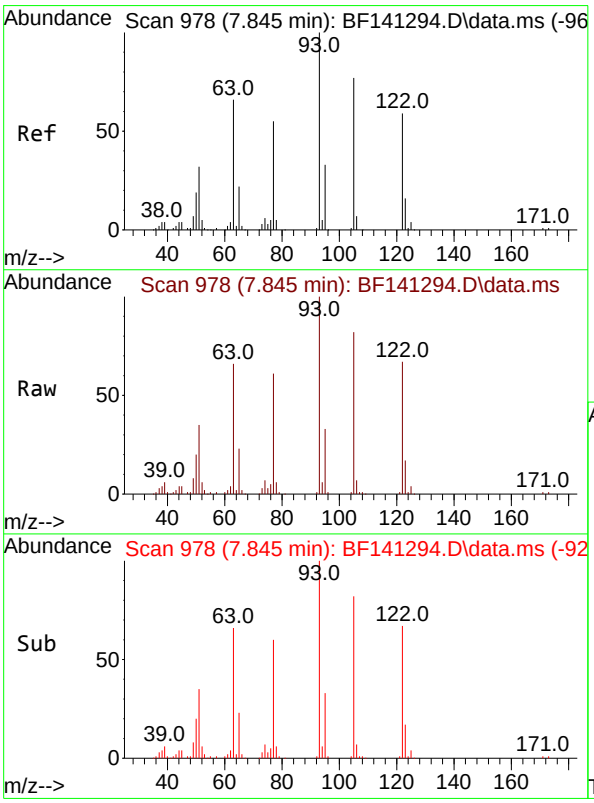

#31
Naphthalene
Concen: 37.116 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:128 Resp: 1041107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.9 | 13.3 |
| 127 | 13.2 | 10.6 | 15.8 |

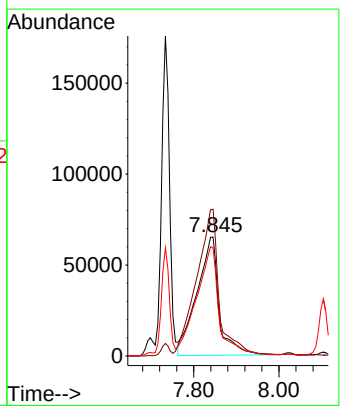


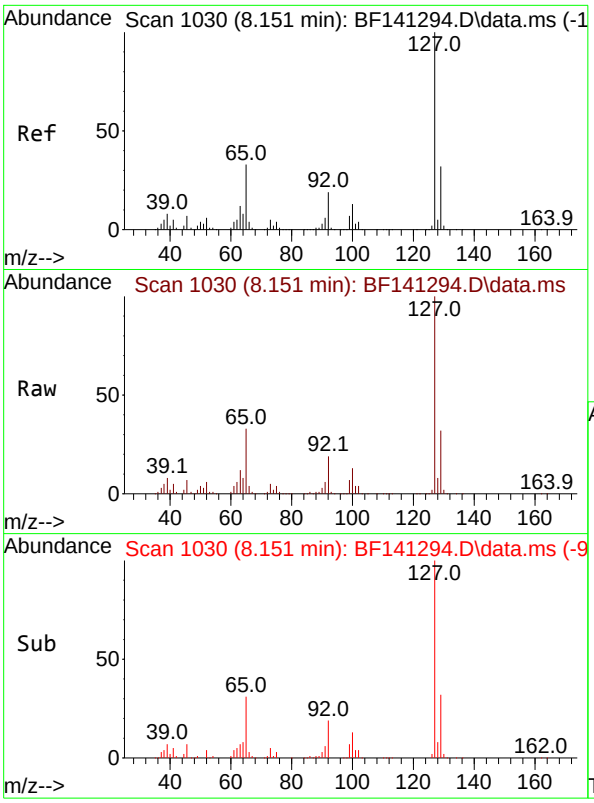




#32
Benzoic acid
Concen: 41.459 ng
RT: 7.845 min Scan# 978
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:122 Resp: 235596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.4 | 103.4 | 143.4 |
| 77 | 90.9 | 70.9 | 110.9 |



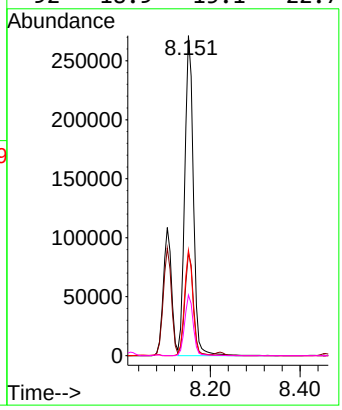


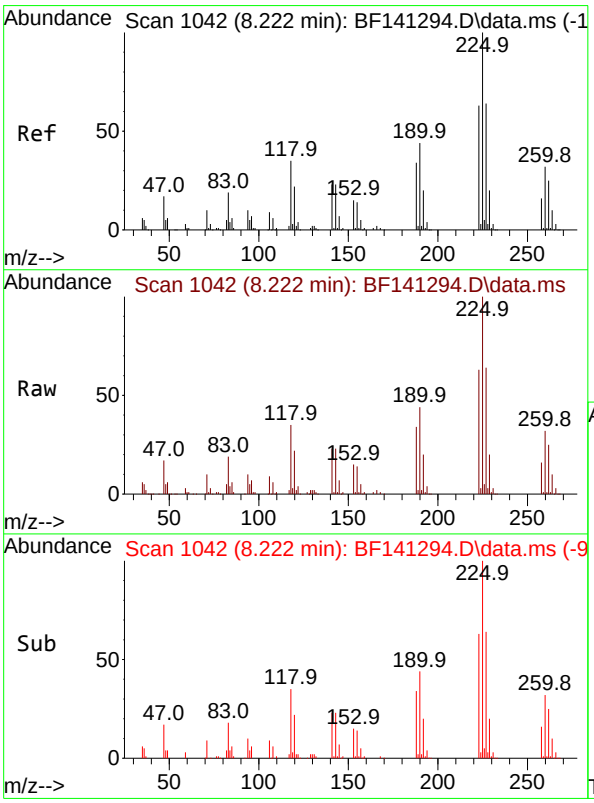

#33
4-Chloroaniline
Concen: 38.313 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:127 Resp: 361001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.1 | 25.7 | 38.5 |
| 65 | 33.0 | 26.4 | 39.6 |
| 92 | 18.9 | 15.1 | 22.7 |

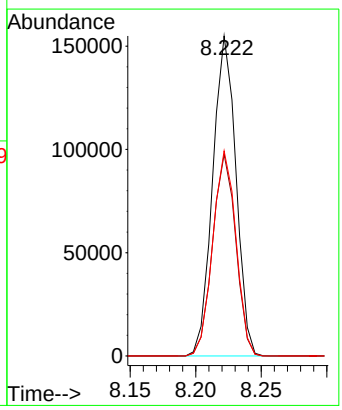


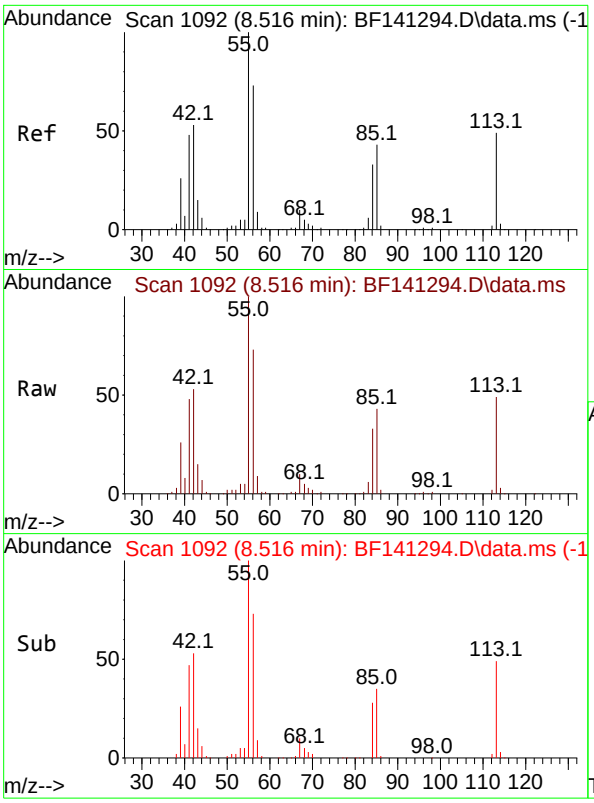




#34
Hexachlorobutadiene
Concen: 37.169 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:225 Resp: 190772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 50.4 | 75.6 |
| 227 | 64.1 | 51.3 | 76.9 |



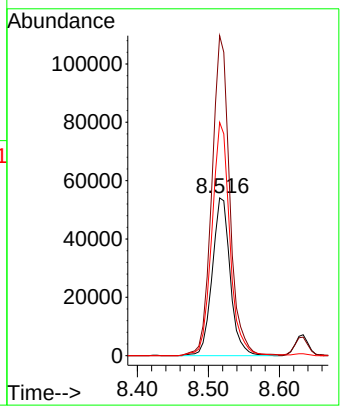


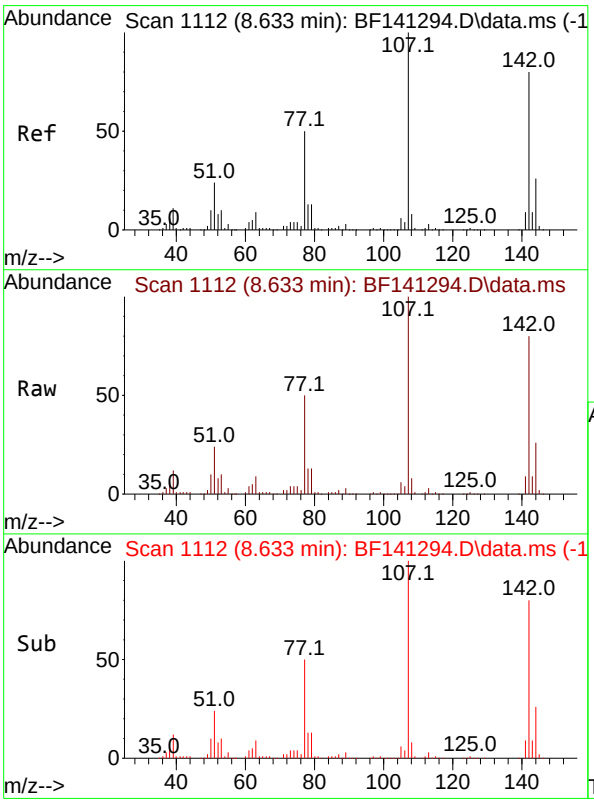

#35
Caprolactam
Concen: 38.342 ng
RT: 8.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:113 Resp: 94819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 202.9 | 182.9 | 222.9 |
| 56 | 147.9 | 127.9 | 167.9 |

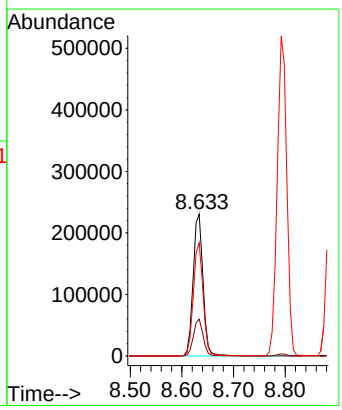


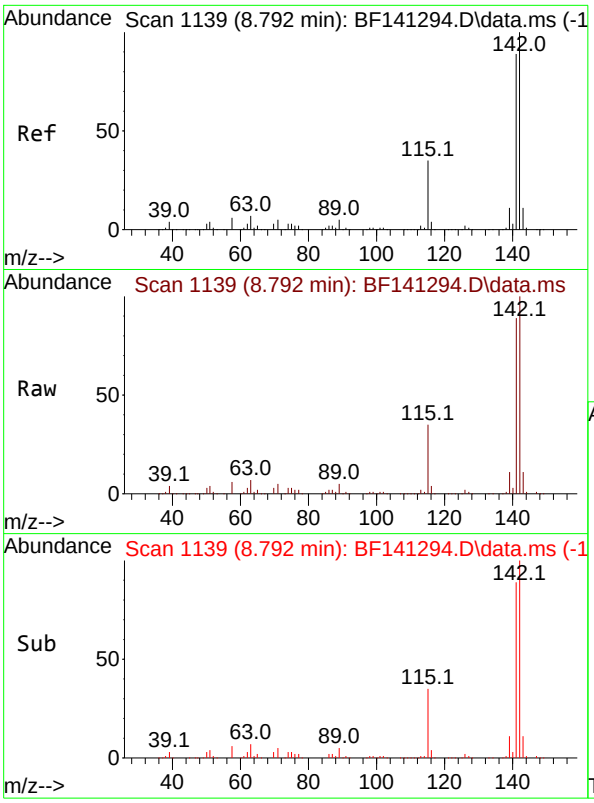




#36
4-Chloro-3-methylphenol
Concen: 37.262 ng
RT: 8.633 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:107 Resp: 305768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.9 | 20.7 | 31.1 |
| 142 | 79.8 | 63.8 | 95.8 |



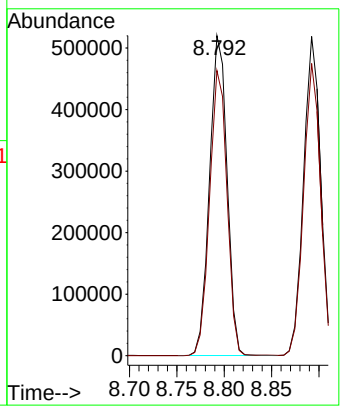


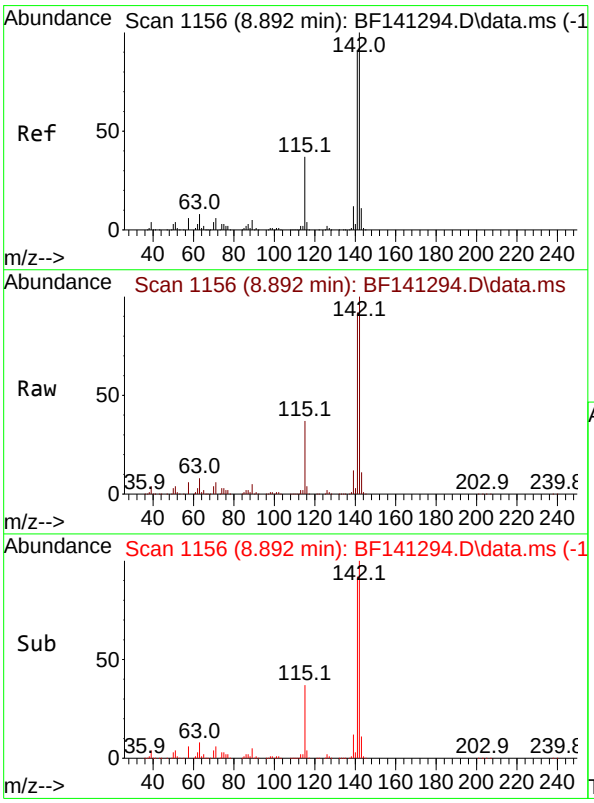

#37
2-Methylnaphthalene
Concen: 37.286 ng
RT: 8.792 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:142 Resp: 666038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.1 | 71.3 | 106.9 |

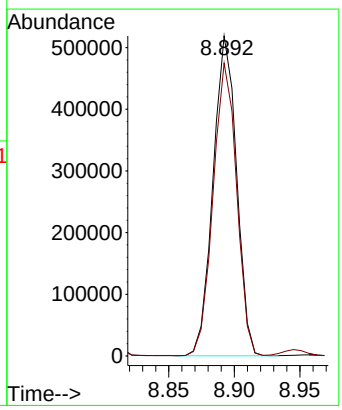


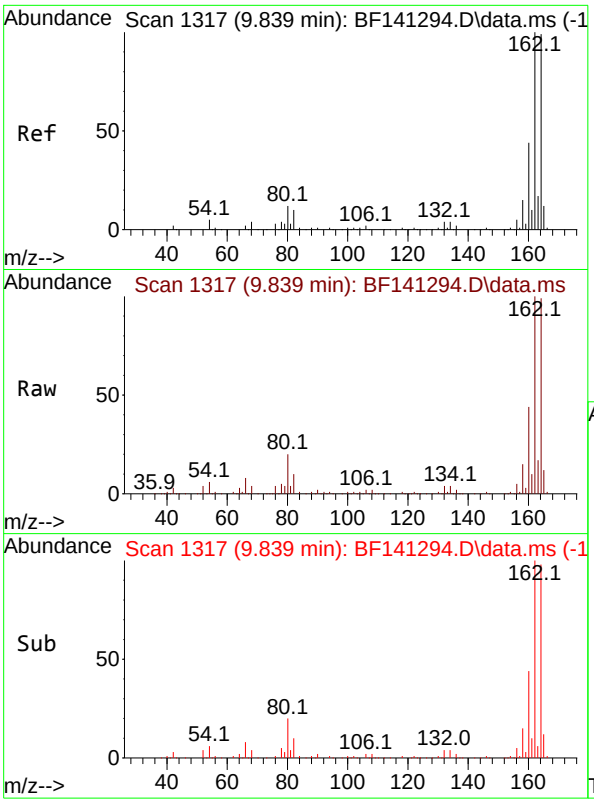




#38
1-Methylnaphthalene
Concen: 36.938 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:142 Resp: 646346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.5 | 73.2 | 109.8 |



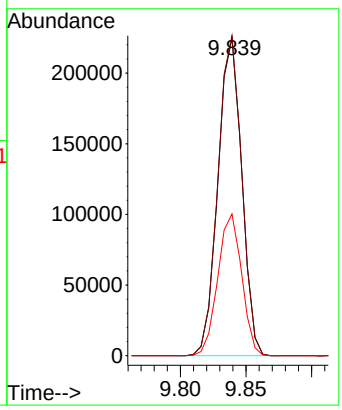


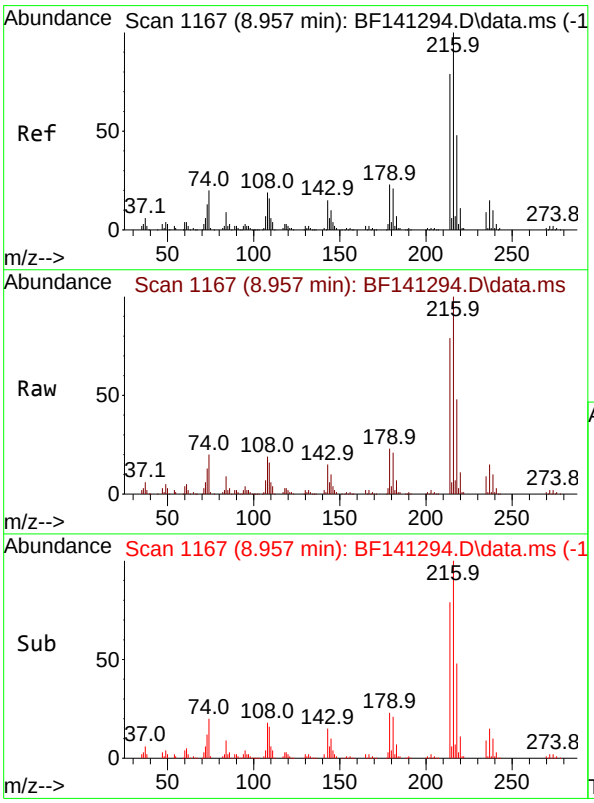

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:164 Resp: 282995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.8 | 80.6 | 121.0 |
| 160 | 44.7 | 35.8 | 53.6 |

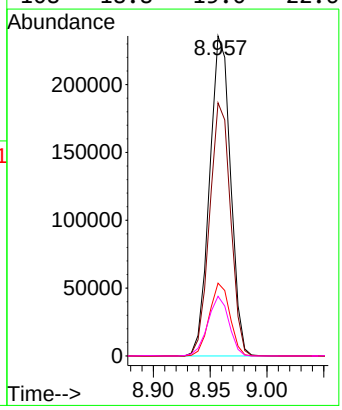


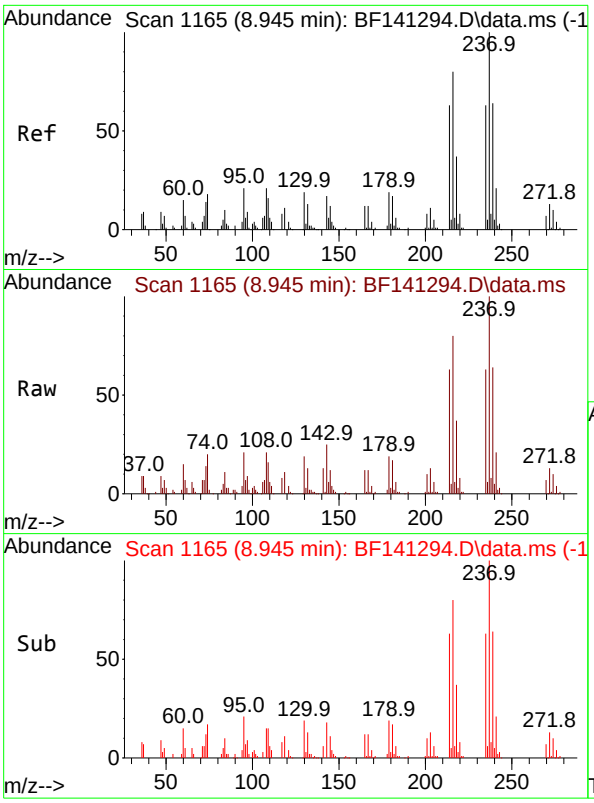




#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.591 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:216 Resp: 302471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.0 | 63.2 | 94.8 |
| 179 | 22.3 | 17.8 | 26.8 |
| 108 | 18.8 | 15.0 | 22.6 |



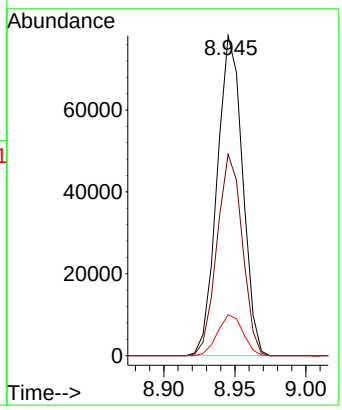


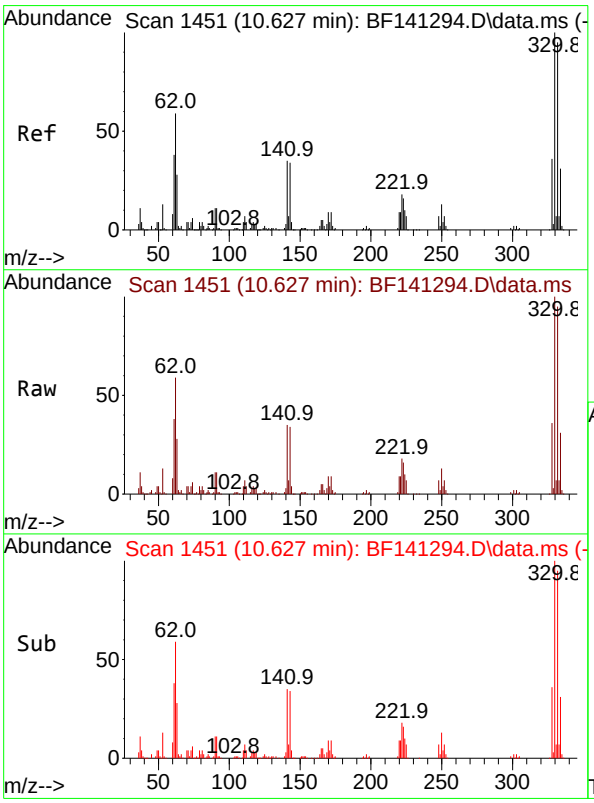

#41
Hexachlorocyclopentadiene
Concen: 40.295 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:237 Resp: 97299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.9 | 42.9 | 82.9 |
| 272 | 12.8 | 0.0 | 32.8 |

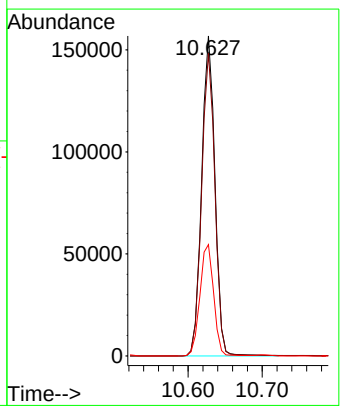


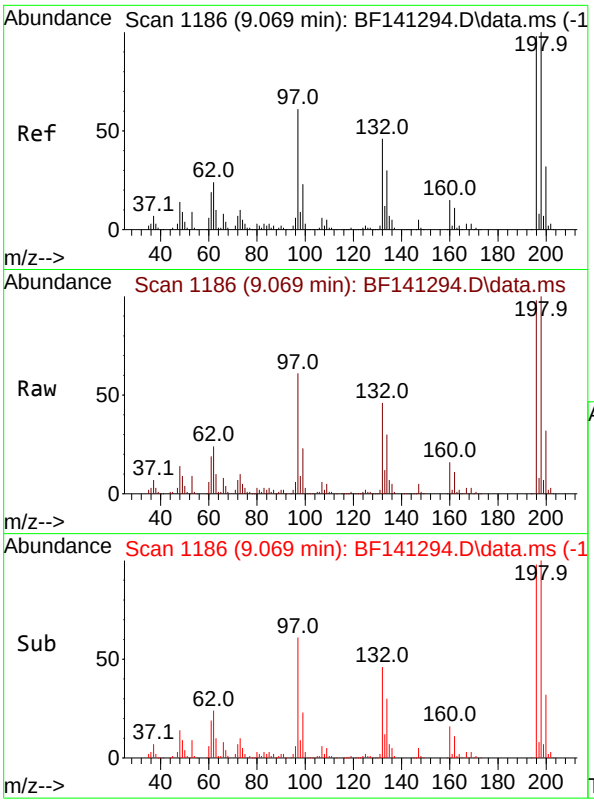




#42
2,4,6-Tribromophenol
Concen: 75.888 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:330 Resp: 195693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.1 | 76.1 | 114.1 |
| 141 | 36.0 | 28.8 | 43.2 |



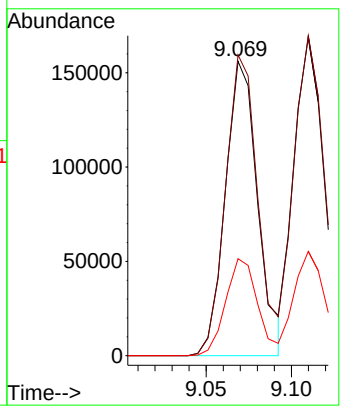


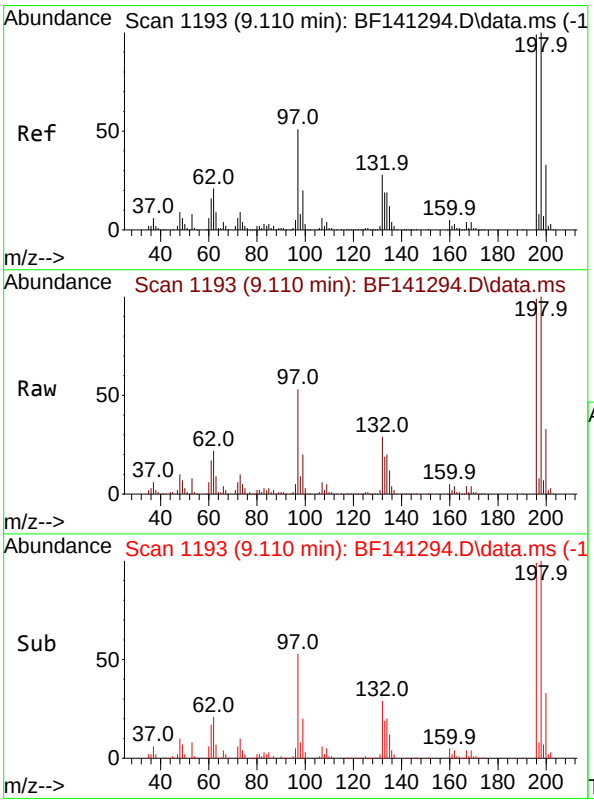

#43
2,4,6-Trichlorophenol
Concen: 39.181 ng
RT: 9.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:196 Resp: 205797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 102.2 | 81.8 | 122.6 |
| 200 | 32.9 | 26.3 | 39.5 |

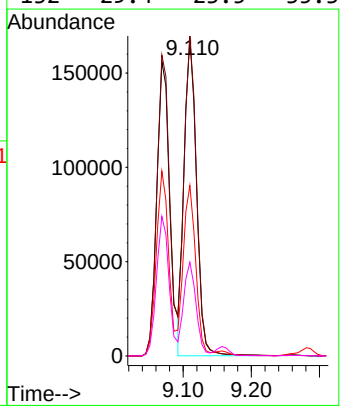


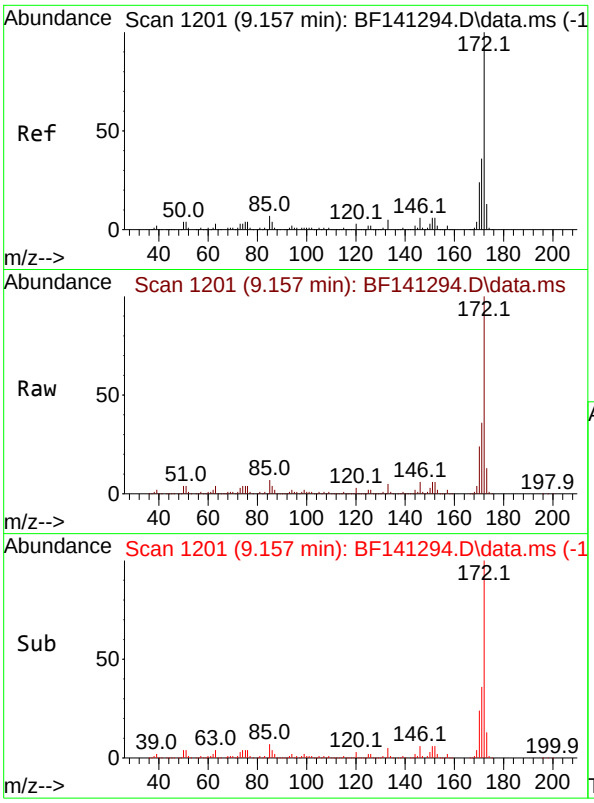




#44
2,4,5-Trichlorophenol
Concen: 37.346 ng
RT: 9.110 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:196 Resp: 213401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.6 | 80.5 | 120.7 |
| 97 | 53.5 | 42.8 | 64.2 |
| 132 | 29.4 | 23.5 | 35.3 |



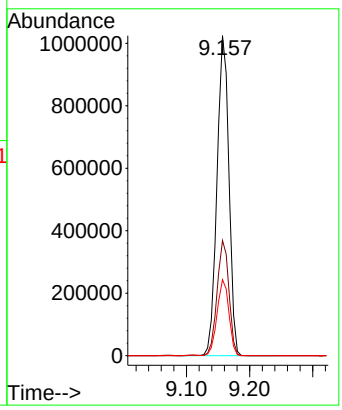


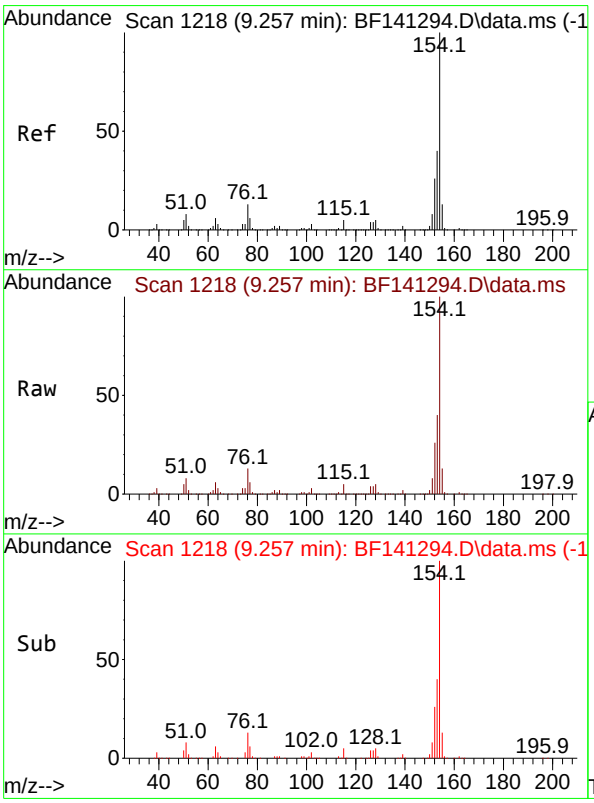

#45
2-Fluorobiphenyl
Concen: 73.029 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:172 Resp: 1339709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 28.8 | 43.2 |
| 170 | 23.8 | 19.0 | 28.6 |

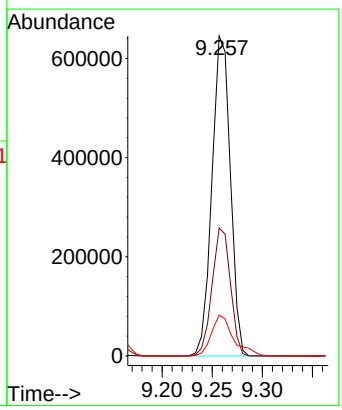


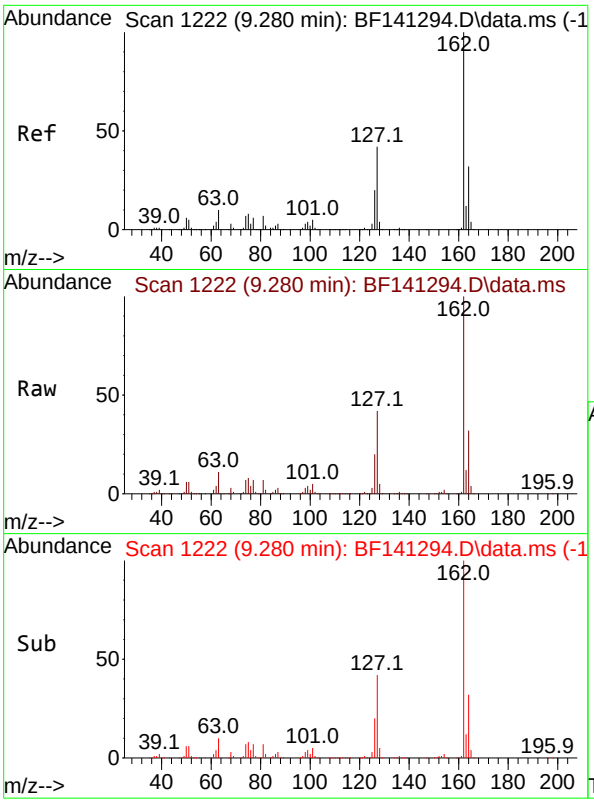




#46
1,1'-Biphenyl
Concen: 37.278 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:154 Resp: 823004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.0 | 20.0 | 60.0 |
| 76 | 12.8 | 0.0 | 32.8 |



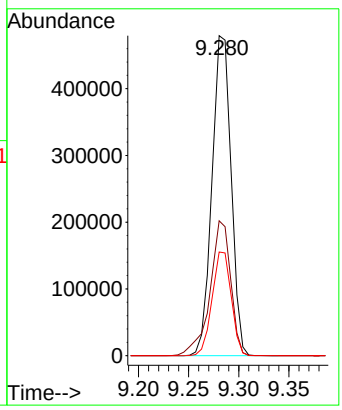


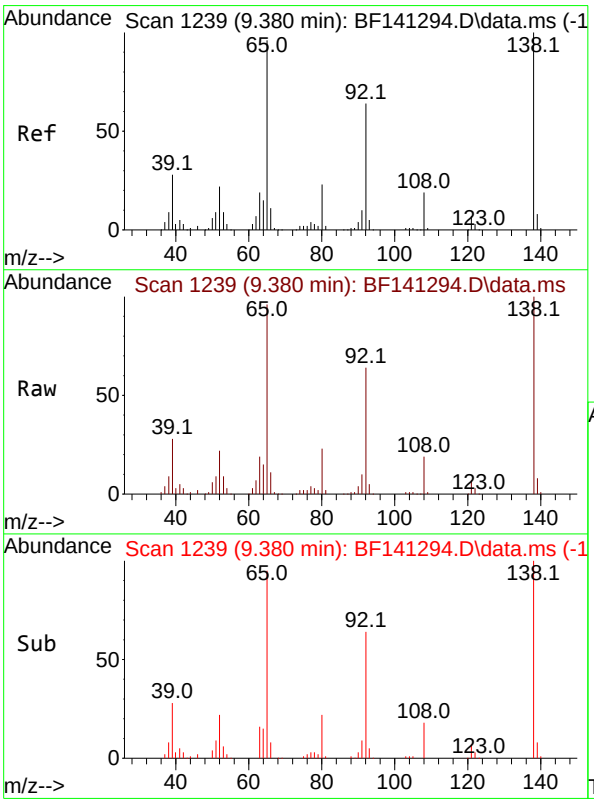

#47
2-Chloronaphthalene
Concen: 37.020 ng
RT: 9.280 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:162 Resp: 634814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.1 | 33.7 | 50.5 |
| 164 | 32.4 | 25.9 | 38.9 |

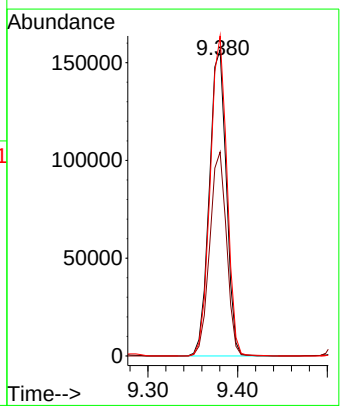


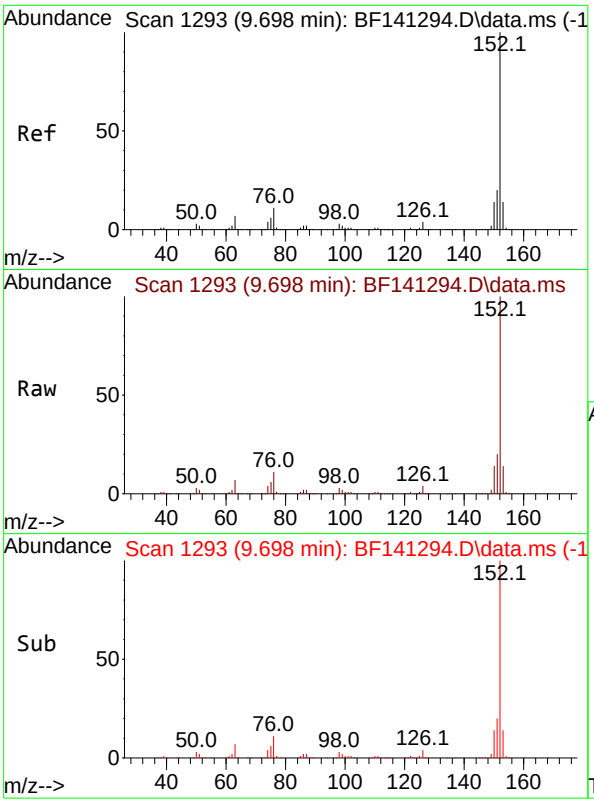




#48
2-Nitroaniline
Concen: 38.089 ng
RT: 9.380 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 65 Resp: 205997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 66.6 | 53.3 | 79.9 |
| 138 | 104.5 | 83.6 | 125.4 |



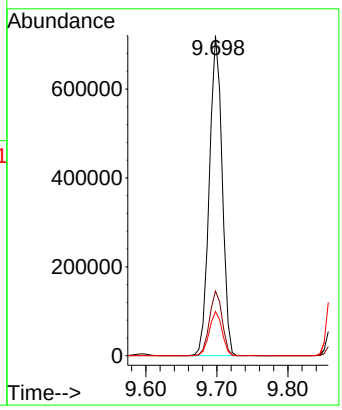


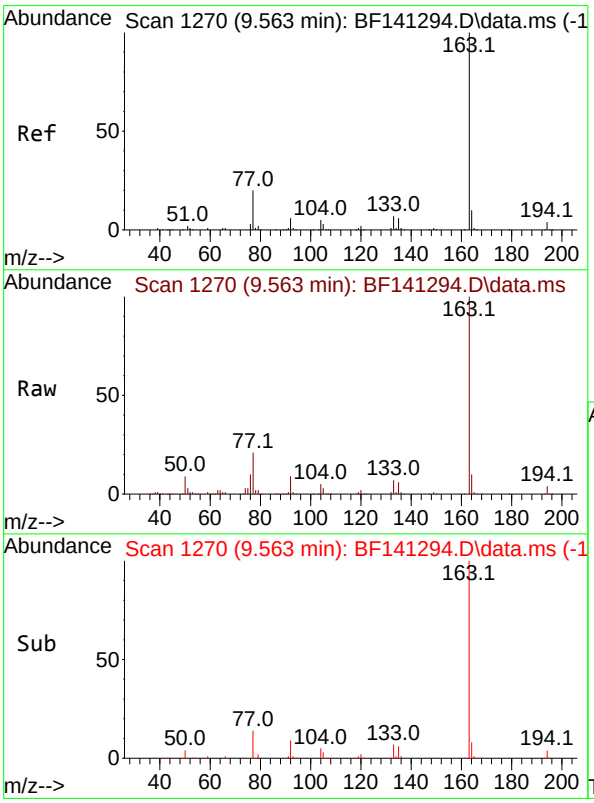

#49
Acenaphthylene
Concen: 37.483 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:152 Resp: 902715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 16.2 | 24.2 |
| 153 | 13.8 | 11.0 | 16.6 |

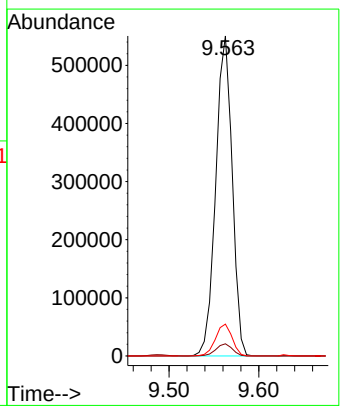


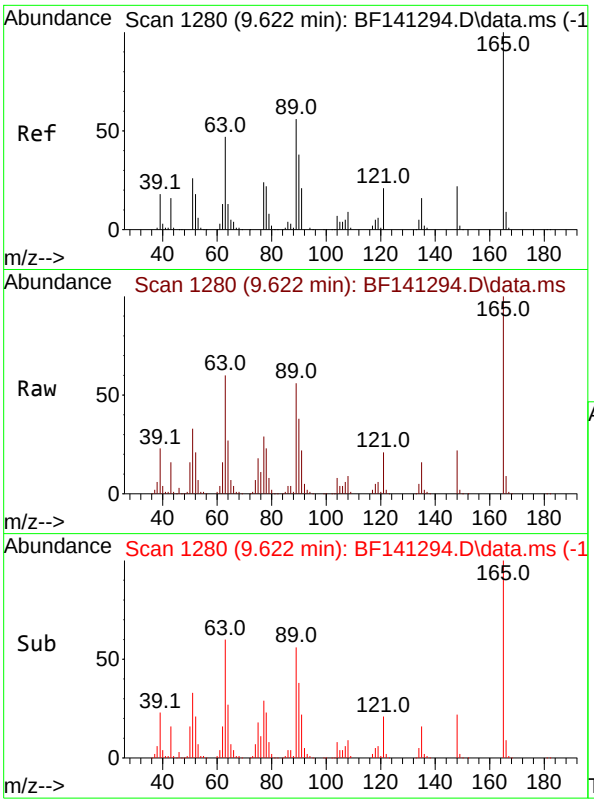




#50
Dimethylphthalate
Concen: 36.945 ng
RT: 9.563 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:163 Resp: 701107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.6 |
| 164 | 10.0 | 8.0 | 12.0 |



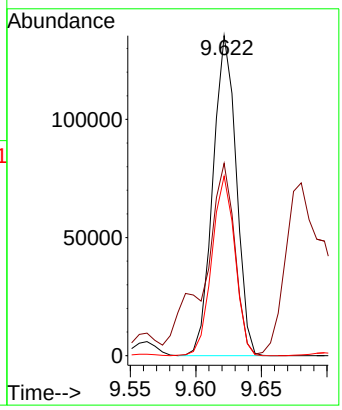


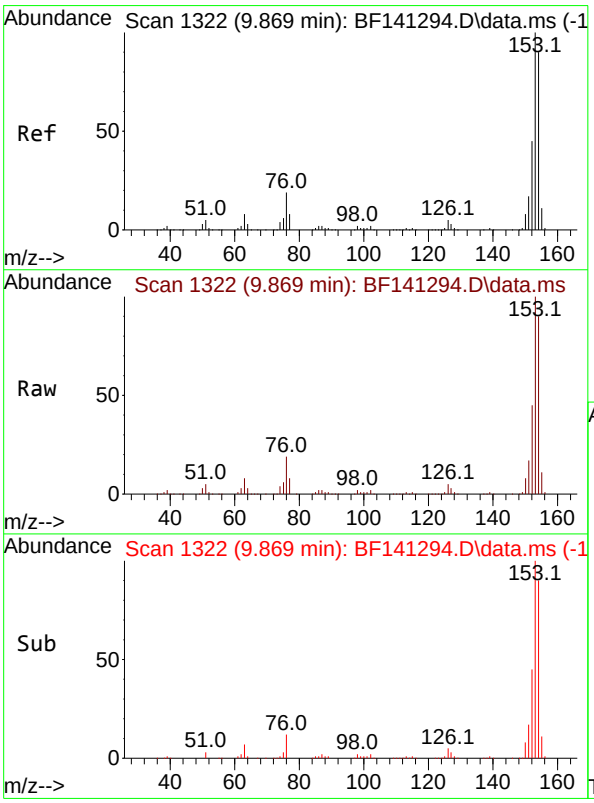

#51
2,6-Dinitrotoluene
Concen: 37.909 ng
RT: 9.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:165 Resp: 167409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 60.1 | 48.1 | 72.1 |
| 89 | 56.1 | 44.9 | 67.3 |

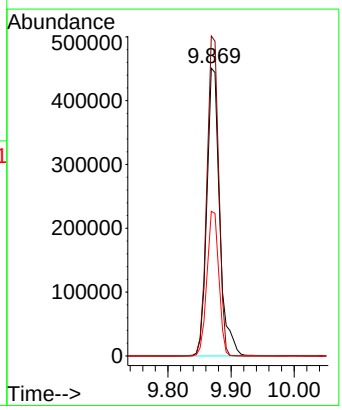


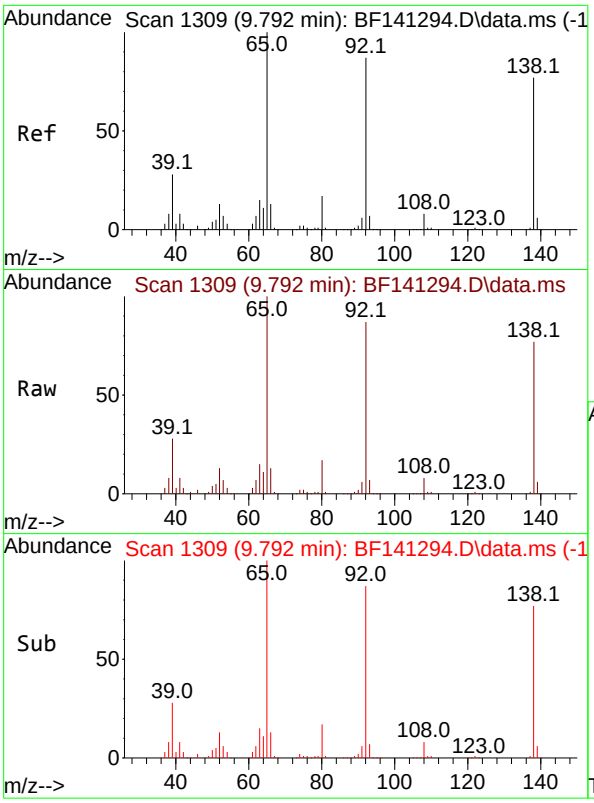




#52
Acenaphthene
Concen: 37.266 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:154 Resp: 638597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.2 | 89.0 | 133.4 |
| 152 | 50.3 | 40.2 | 60.4 |



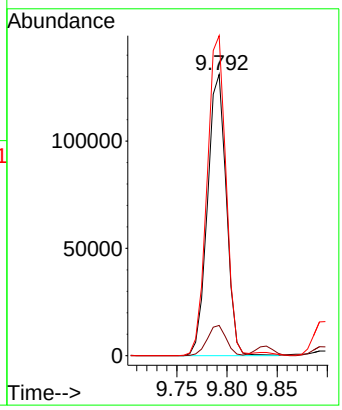


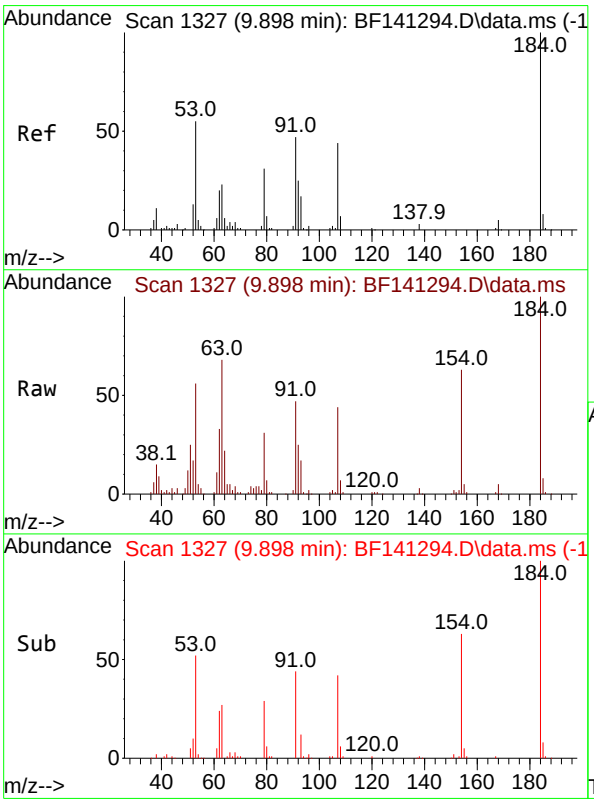

#53
3-Nitroaniline
Concen: 39.240 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:138 Resp: 171409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.7 | 8.6 | 12.8 |
| 92 | 113.8 | 91.0 | 136.6 |

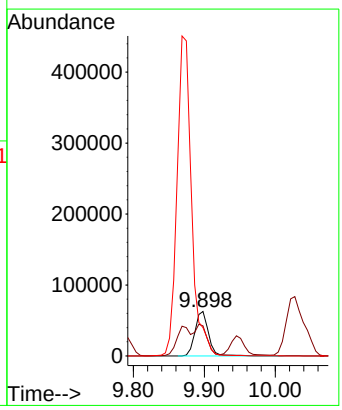


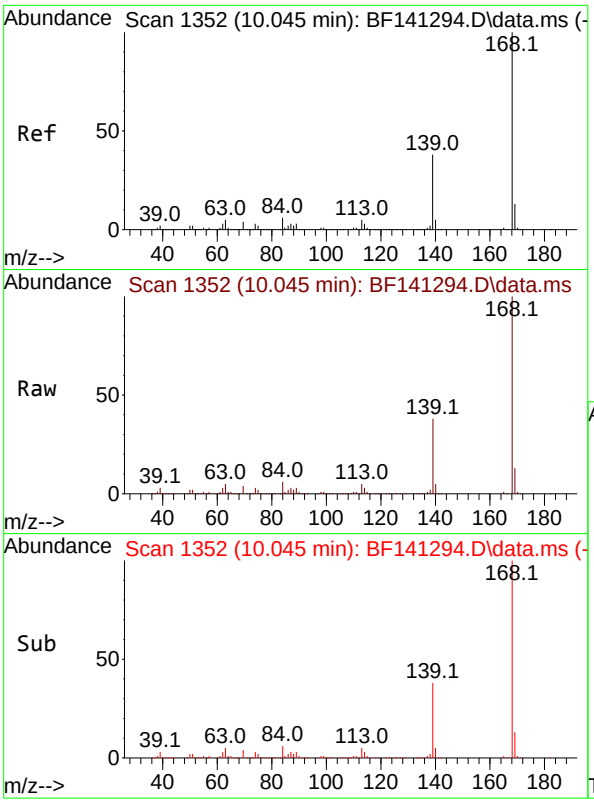




#54
2,4-Dinitrophenol
Concen: 40.011 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:184 Resp: 83282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 67.6 | 54.1 | 81.1 |
| 154 | 63.4 | 50.7 | 76.1 |



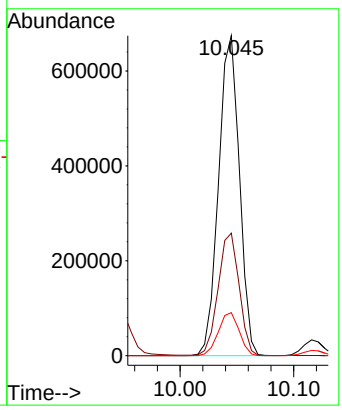


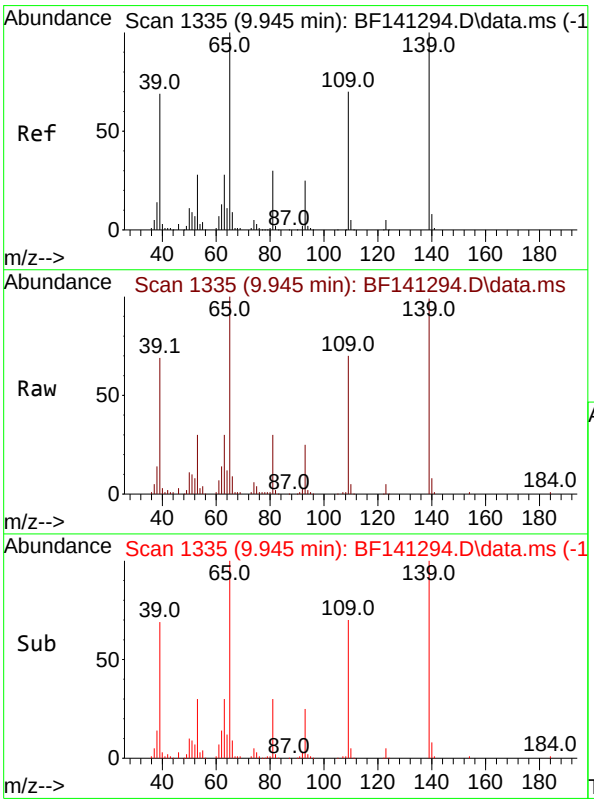

#55
Dibenzofuran
Concen: 37.490 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:168 Resp: 859175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.3 | 30.6 | 46.0 |
| 169 | 13.5 | 10.8 | 16.2 |

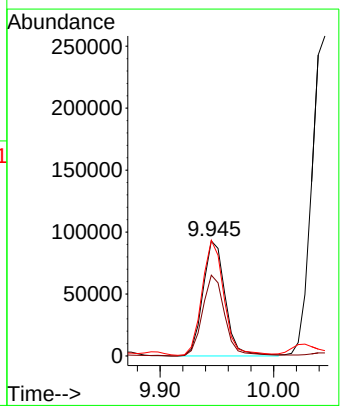


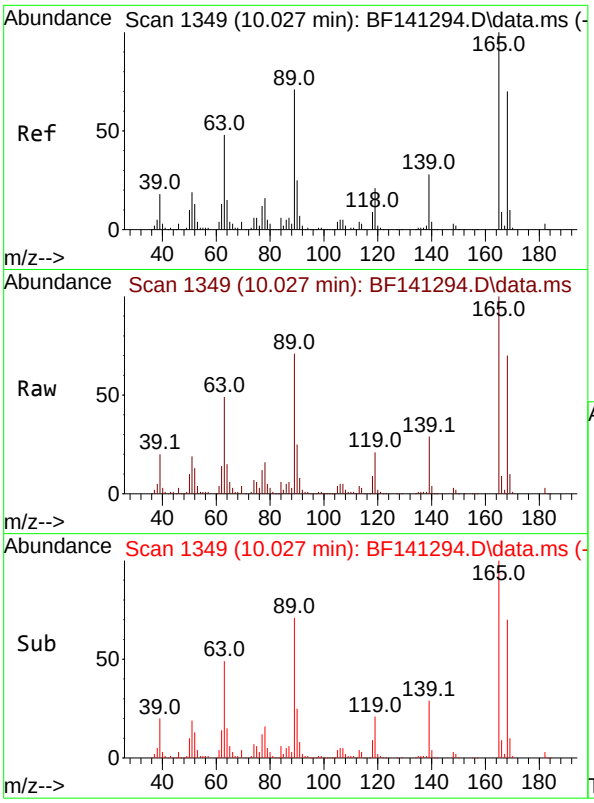




#56
4-Nitrophenol
Concen: 40.349 ng
RT: 9.945 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:139 Resp: 126536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 70.2 | 50.2 | 90.2 |
| 65 | 100.6 | 80.6 | 120.6 |



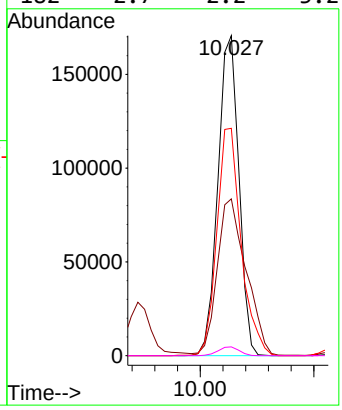


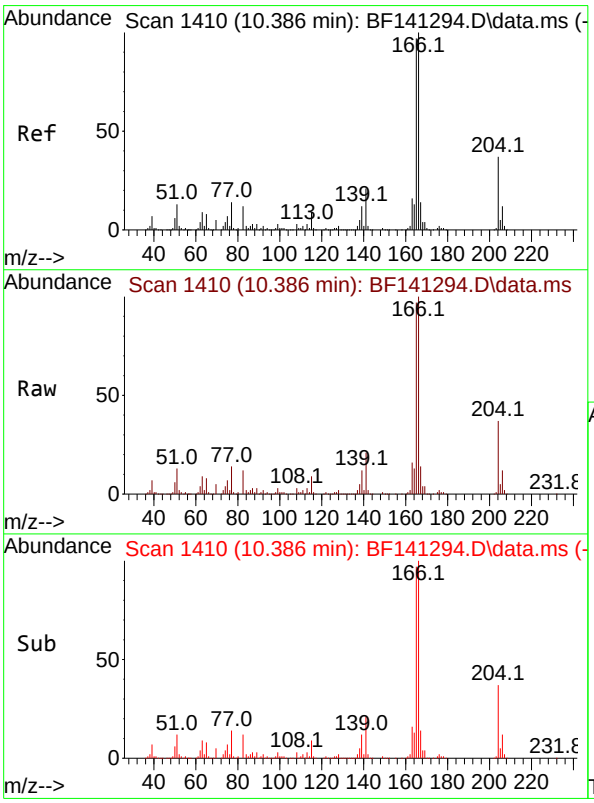

#57
2,4-Dinitrotoluene
Concen: 38.382 ng
RT: 10.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:165 Resp: 218627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 49.0 | 39.2 | 58.8 |
| 89 | 71.1 | 56.9 | 85.3 |
| 182 | 2.7 | 2.2 | 3.2 |

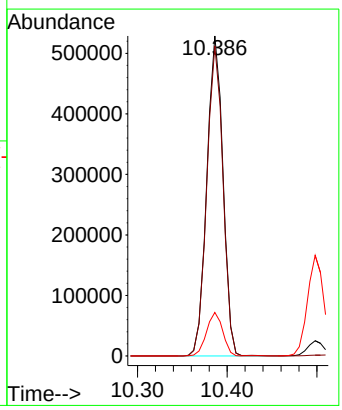


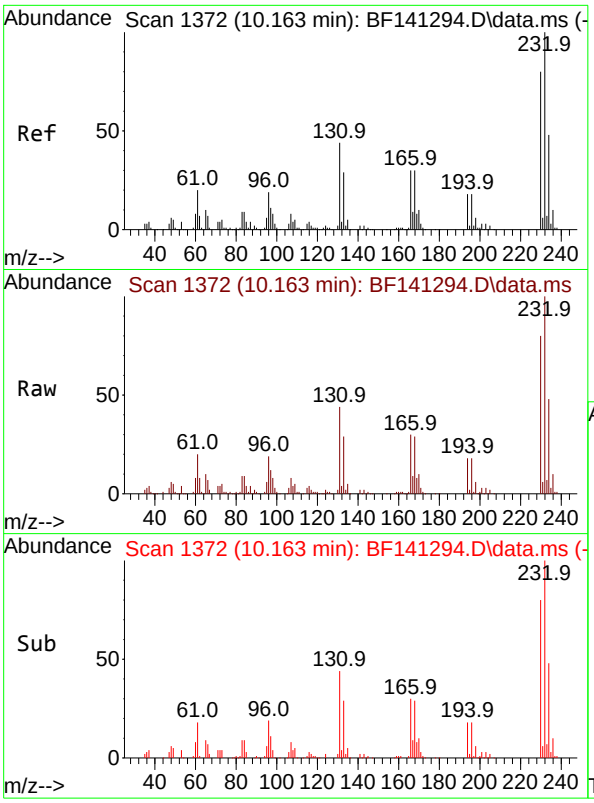




#58
Fluorene
Concen: 37.076 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:166 Resp: 660612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.9 | 77.5 | 116.3 |
| 167 | 13.6 | 10.9 | 16.3 |



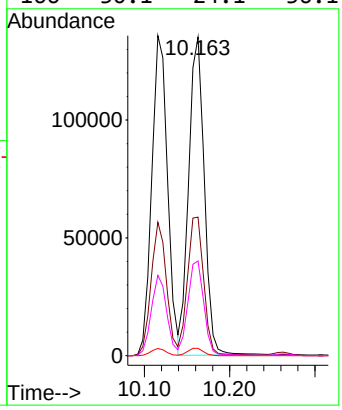


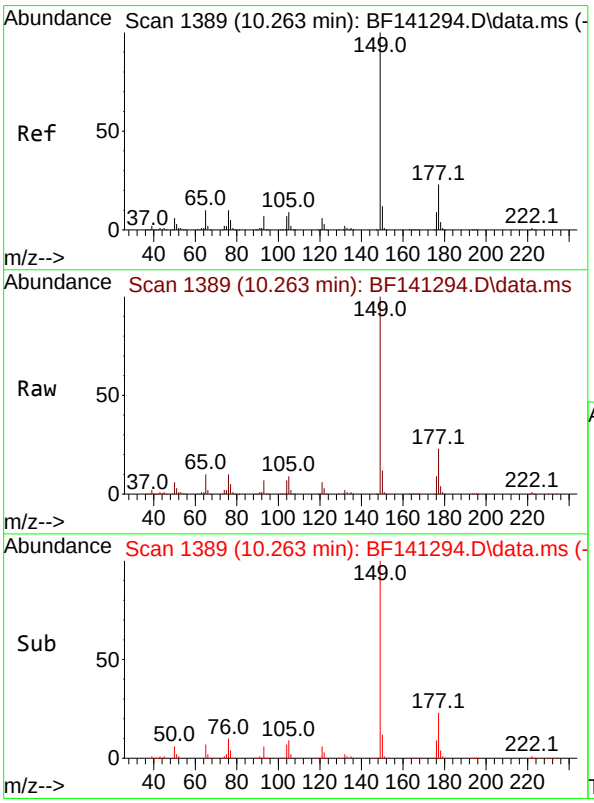

#59
2,3,4,6-Tetrachlorophenol
Concen: 38.138 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:232 Resp: 172174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.5 | 36.4 | 54.6 |
| 130 | 2.4 | 1.9 | 2.9 |
| 166 | 30.1 | 24.1 | 36.1 |

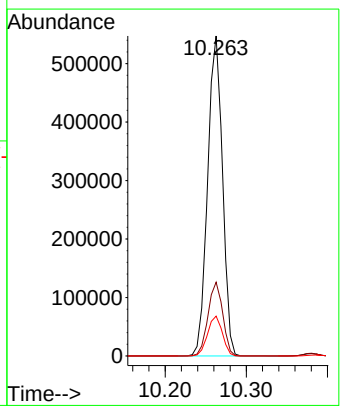


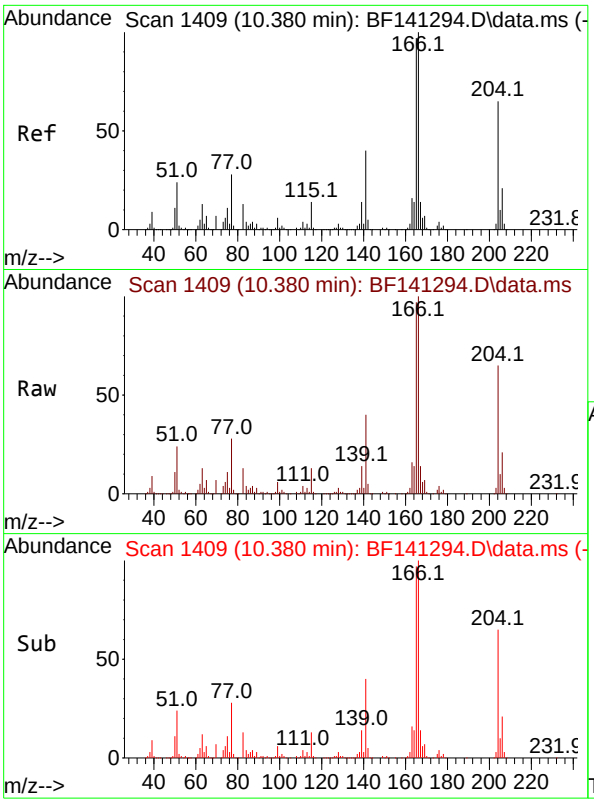




#60
Diethylphthalate
Concen: 37.710 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 693066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.1 | 18.5 | 27.7 |
| 150 | 12.5 | 10.0 | 15.0 |



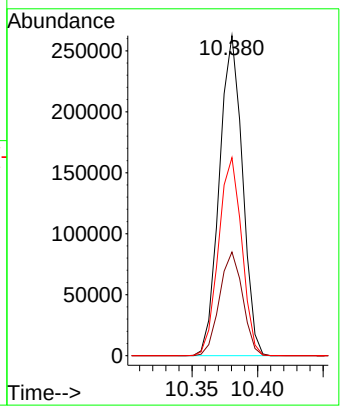


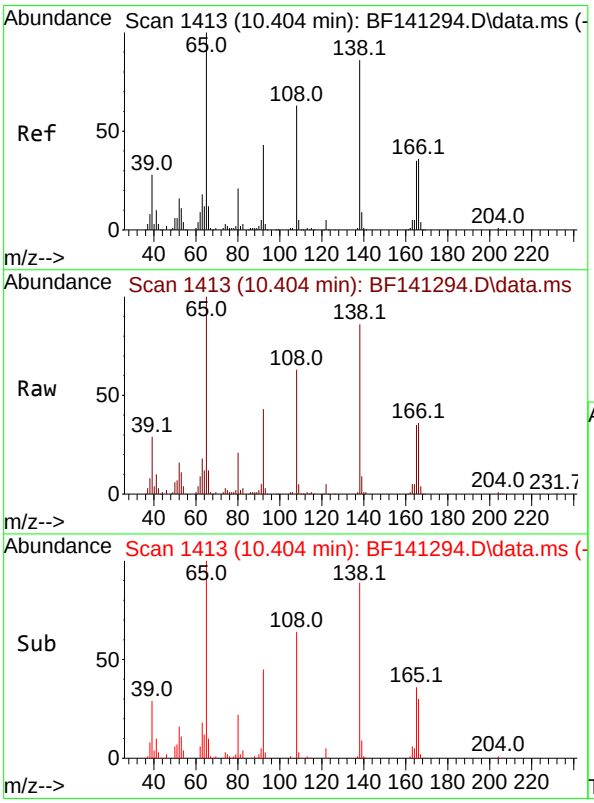

#61
4-Chlorophenyl-phenylether
Concen: 36.929 ng
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:204 Resp: 321112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.4 | 25.9 | 38.9 |
| 141 | 61.9 | 49.5 | 74.3 |

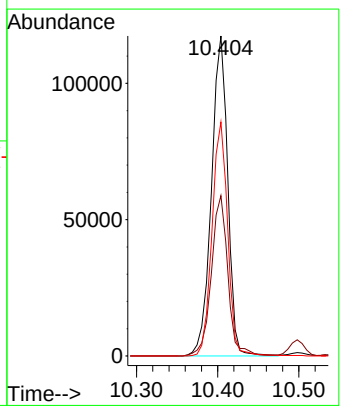


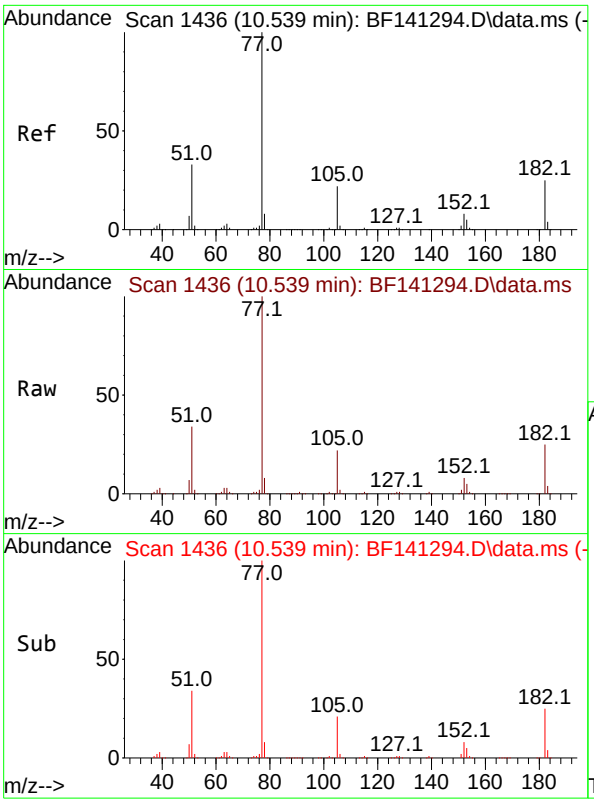




#62
4-Nitroaniline
Concen: 39.120 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:138 Resp: 164154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.1 | 30.1 | 70.1 |
| 108 | 73.1 | 53.1 | 93.1 |



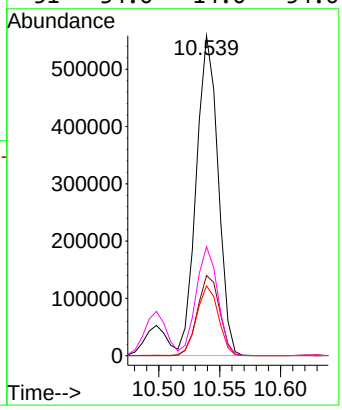


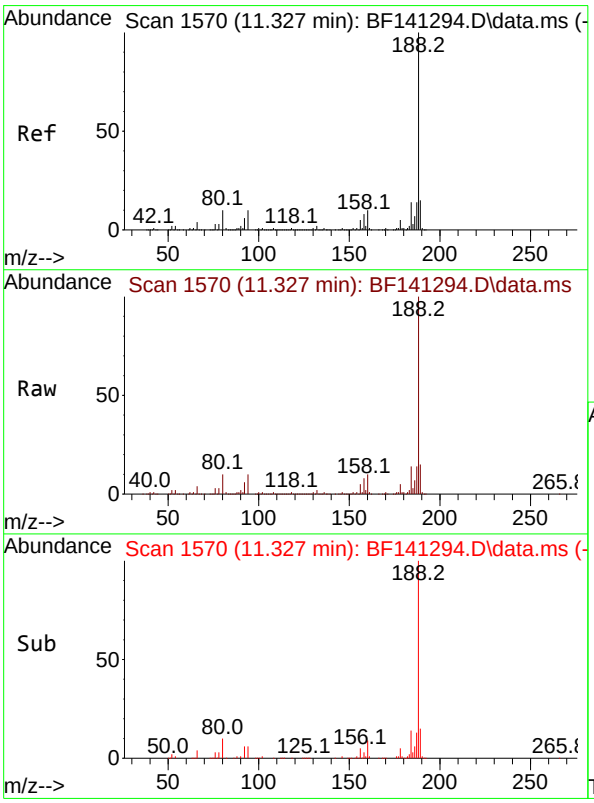

#63
Azobenzene
Concen: 37.621 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 77 Resp: 693050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.1 | 5.1 | 45.1 |
| 105 | 21.8 | 1.8 | 41.8 |
| 51 | 34.0 | 14.0 | 54.0 |

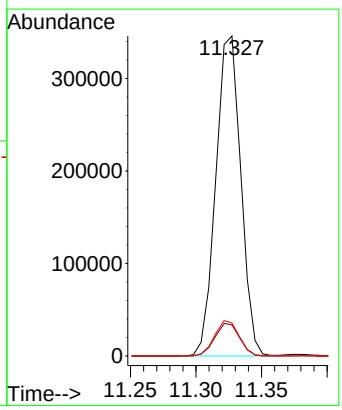


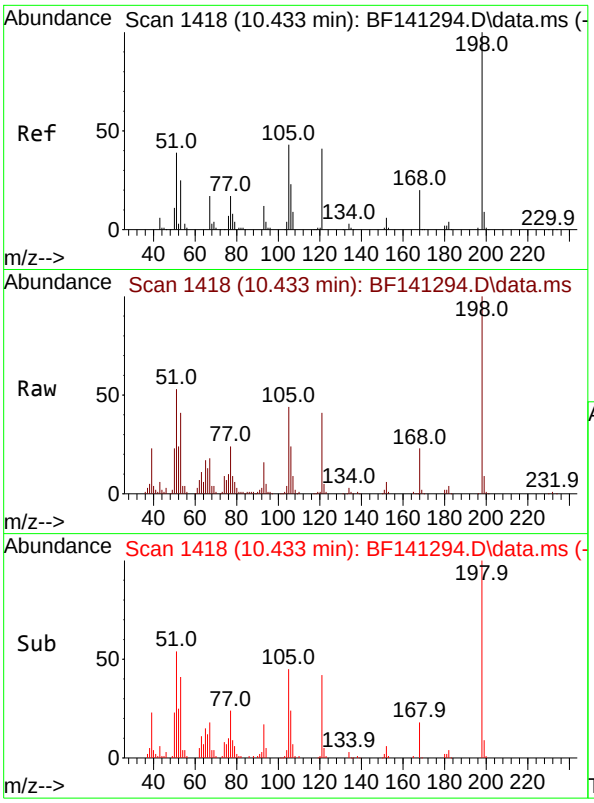




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:188 Resp: 458392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.7 | 7.8 | 11.6 |
| 80 | 10.3 | 8.2 | 12.4 |



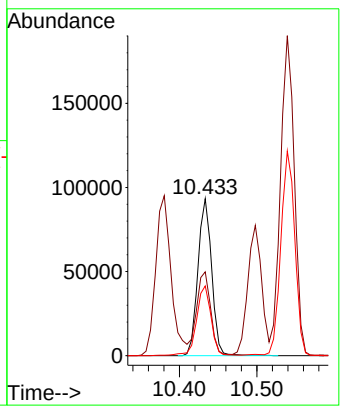


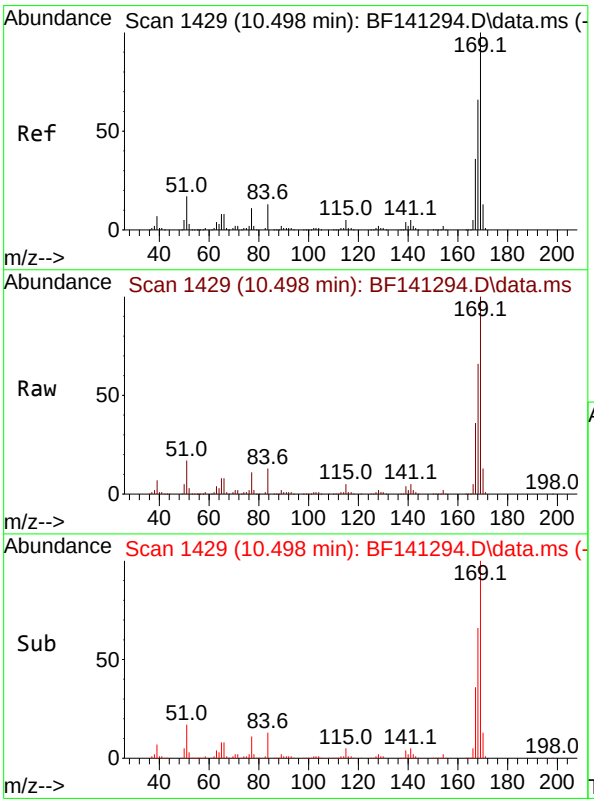

#65
4,6-Dinitro-2-methylphenol
Concen: 41.914 ng
RT: 10.433 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:198 Resp: 114735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 53.4 | 33.4 | 73.4 |
| 105 | 44.4 | 24.4 | 64.4 |

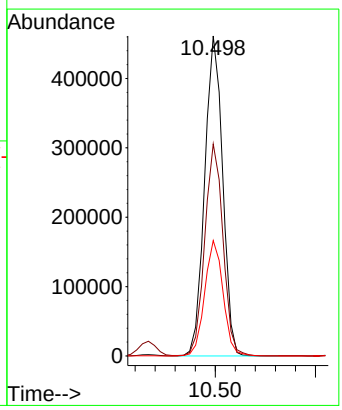


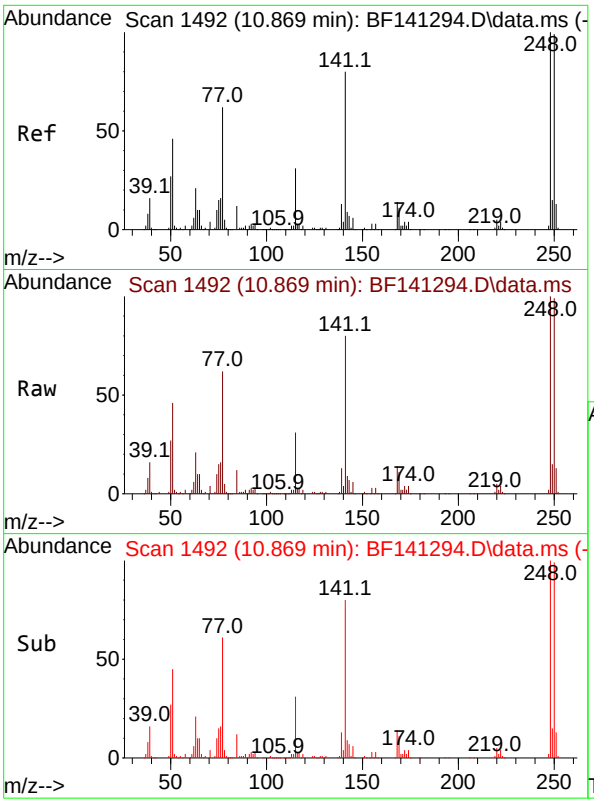




#66
n-Nitrosodiphenylamine
Concen: 38.602 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:169 Resp: 573712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.2 | 53.0 | 79.4 |
| 167 | 36.0 | 28.8 | 43.2 |



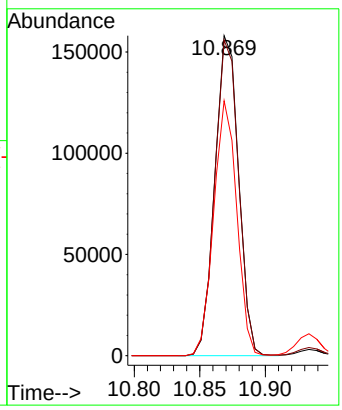


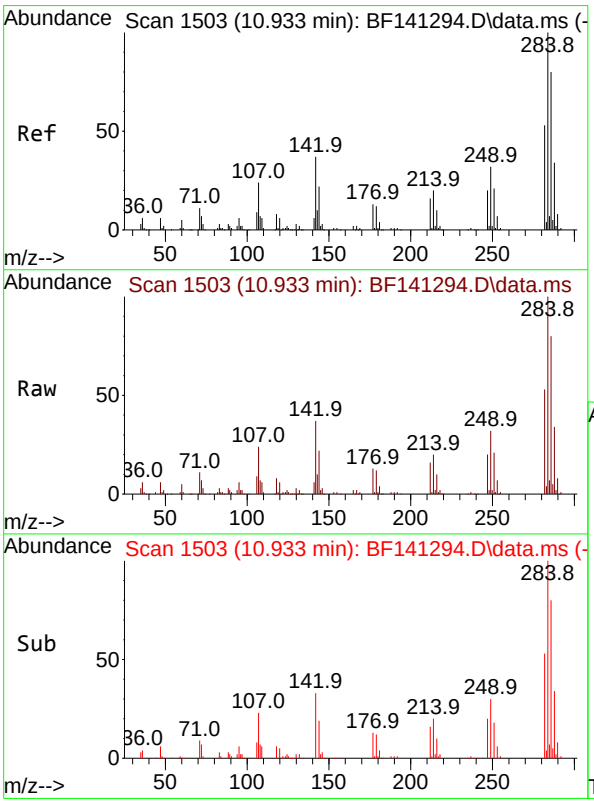

#67
4-Bromophenyl-phenylether
Concen: 38.815 ng
RT: 10.869 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:248 Resp: 198895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.7 | 79.0 | 118.4 |
| 141 | 79.6 | 63.7 | 95.5 |

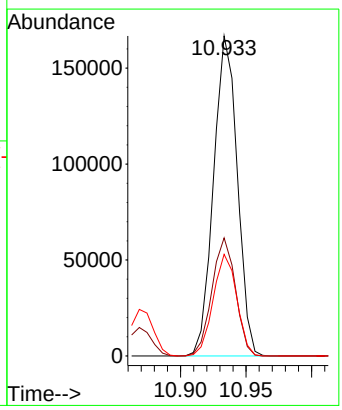


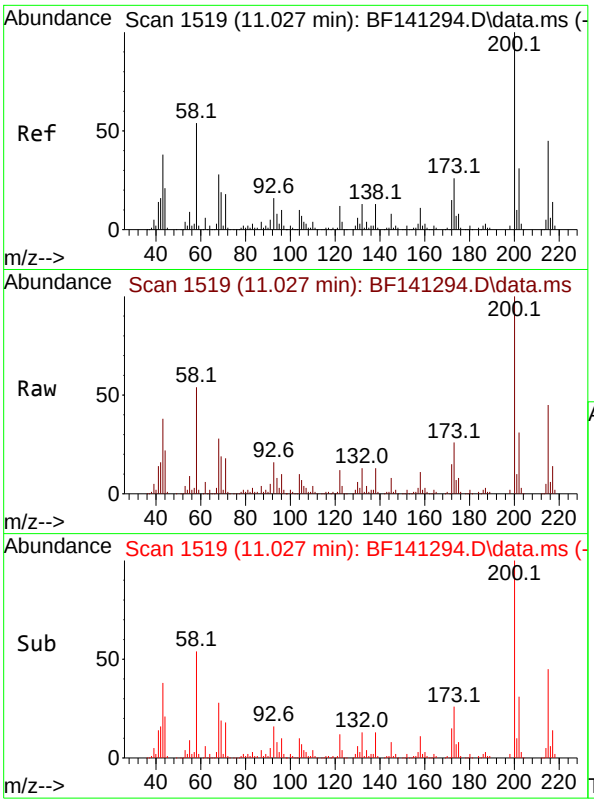




#68
Hexachlorobenzene
Concen: 38.586 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:284 Resp: 209735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 36.9 | 29.5 | 44.3 |
| 249 | 31.8 | 25.4 | 38.2 |



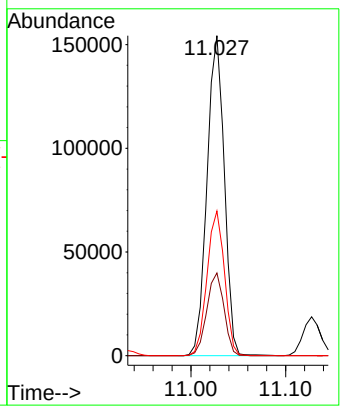


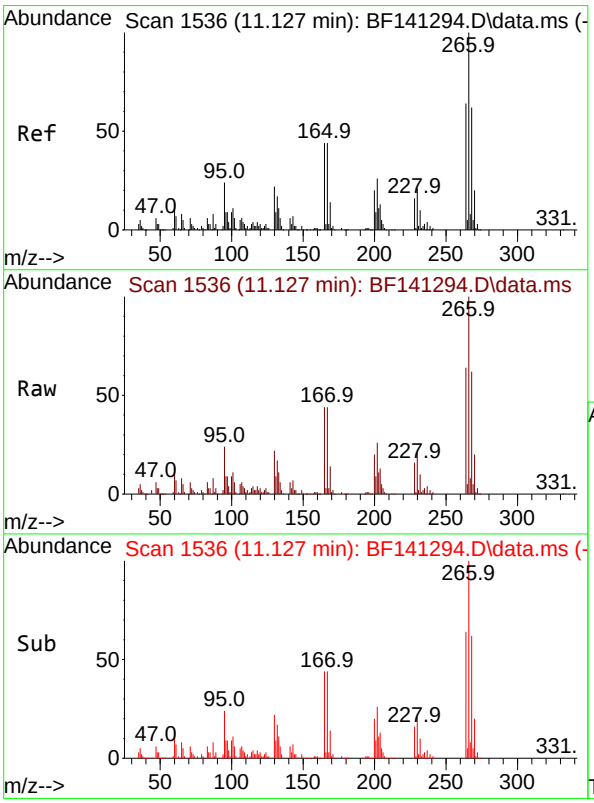

#69
Atrazine
Concen: 39.131 ng
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:200 Resp: 195062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.9 | 5.9 | 45.9 |
| 215 | 45.2 | 25.2 | 65.2 |

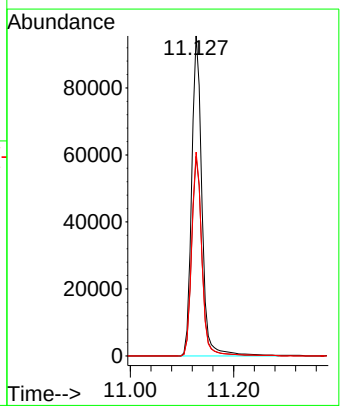


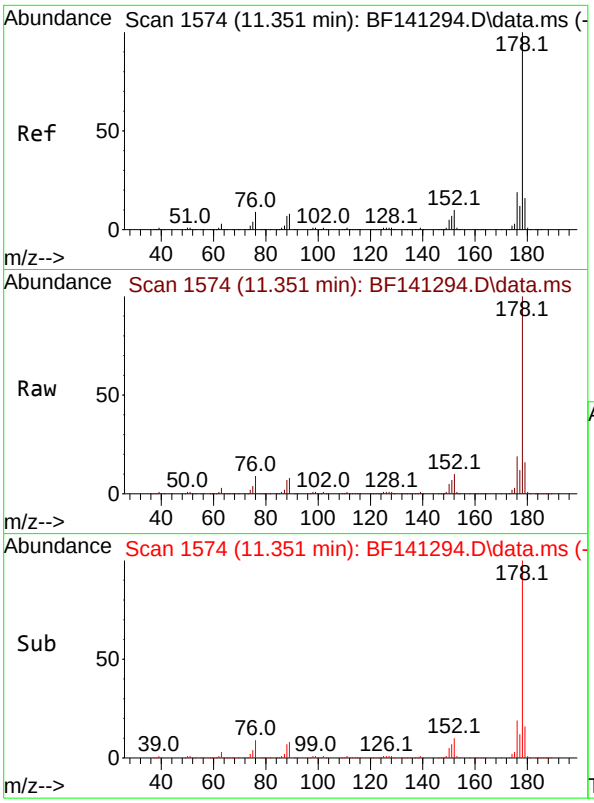




#70
Pentachlorophenol
Concen: 41.196 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:266 Resp: 131295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.4 | 49.9 | 74.9 |
| 264 | 63.7 | 51.0 | 76.4 |



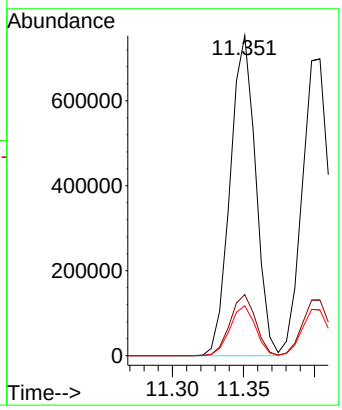


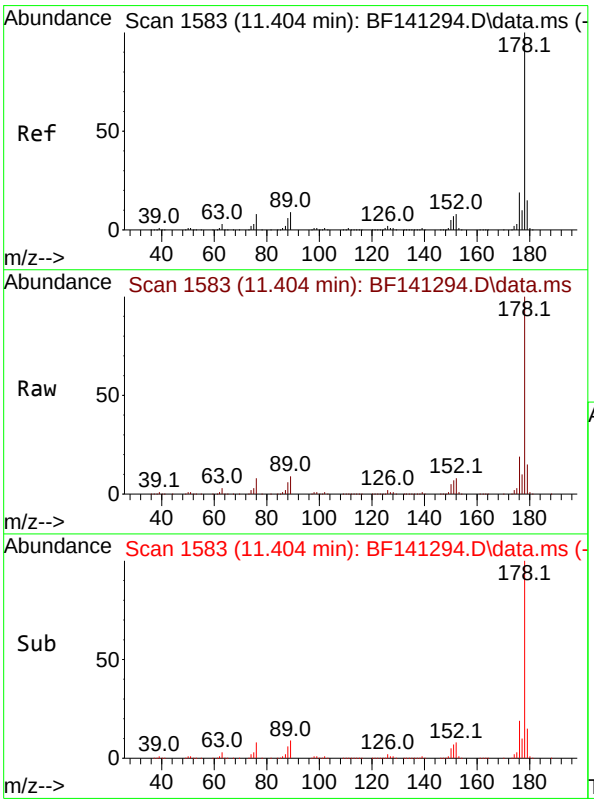

#71
Phenanthrene
Concen: 38.175 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:178 Resp: 940021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.3 | 22.9 |
| 179 | 15.6 | 12.5 | 18.7 |

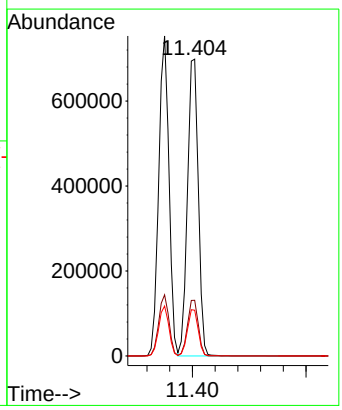


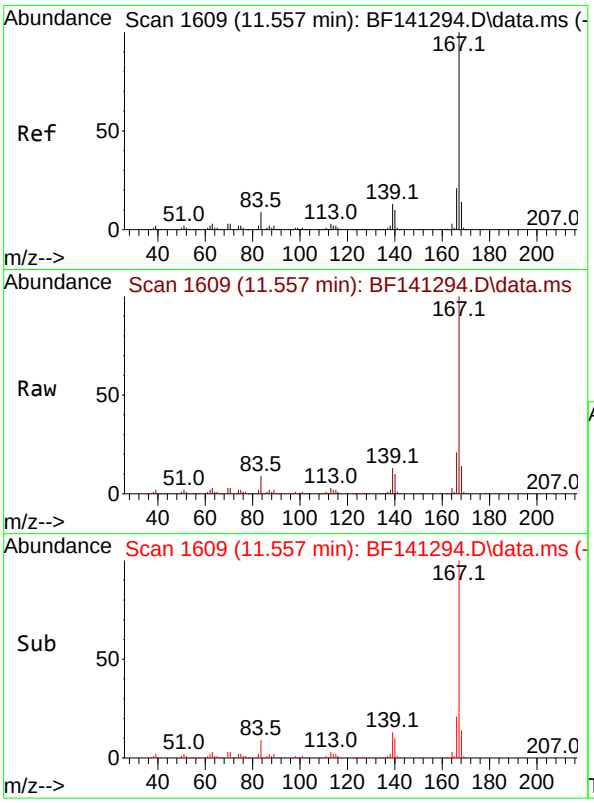




#72
Anthracene
Concen: 38.521 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:178 Resp: 925244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.0 | 22.6 |
| 179 | 15.4 | 12.3 | 18.5 |



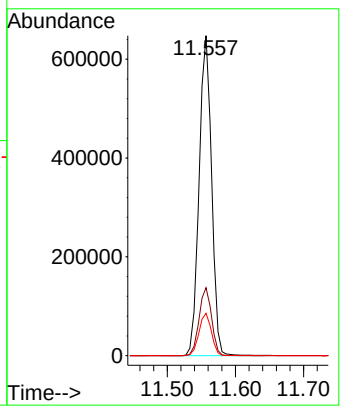


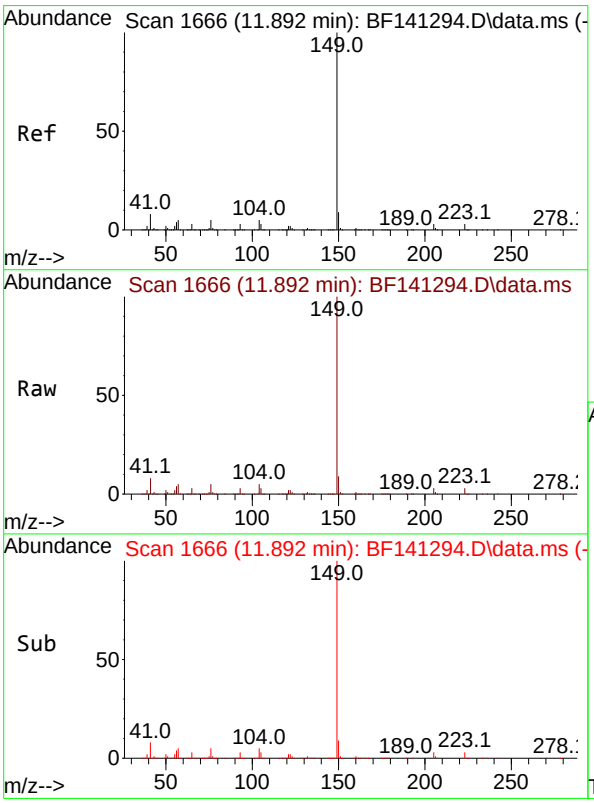

#73
Carbazole
Concen: 38.735 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:167 Resp: 824095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.3 | 17.0 | 25.6 |
| 139 | 13.3 | 10.6 | 16.0 |

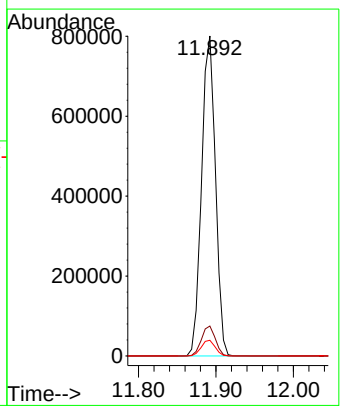


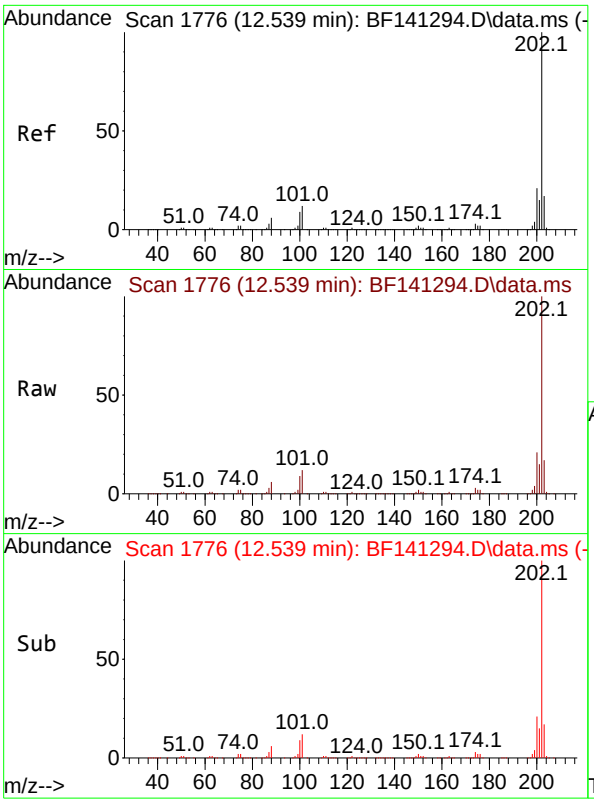




#74
Di-n-butylphthalate
Concen: 38.805 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 995172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.4 | 11.2 |
| 104 | 4.9 | 3.9 | 5.9 |



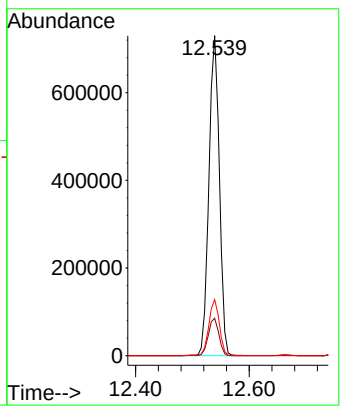


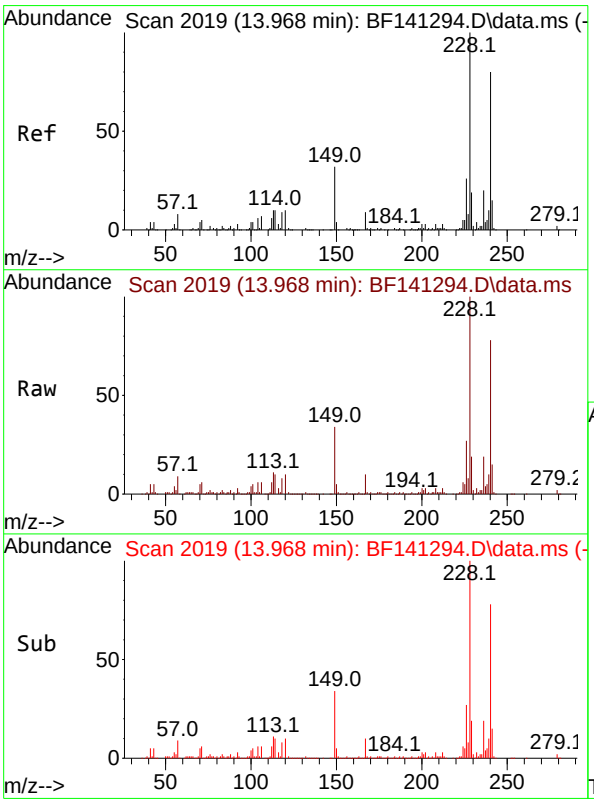

#75
Fluoranthene
Concen: 38.650 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:202 Resp: 928946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.7 | 0.0 | 31.7 |
| 203 | 17.5 | 0.0 | 37.5 |

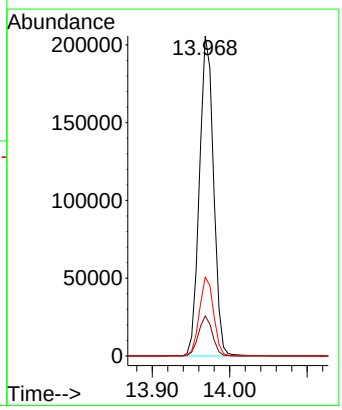


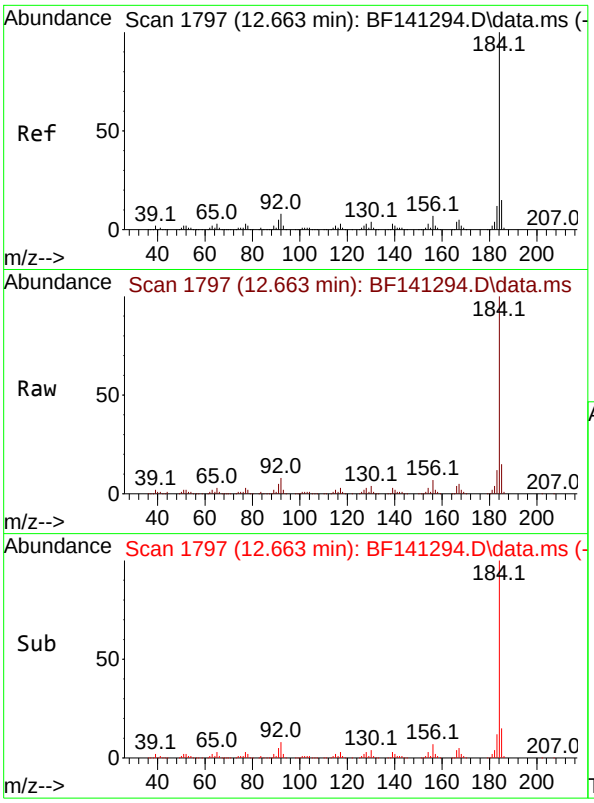




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:240 Resp: 260600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.5 | 10.0 | 15.0 |
| 236 | 24.6 | 19.7 | 29.5 |



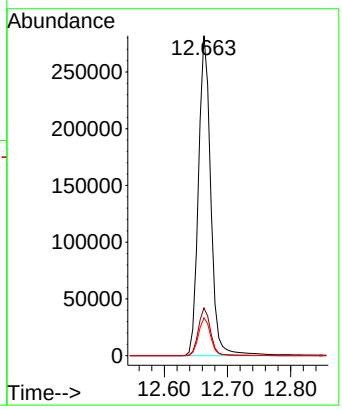


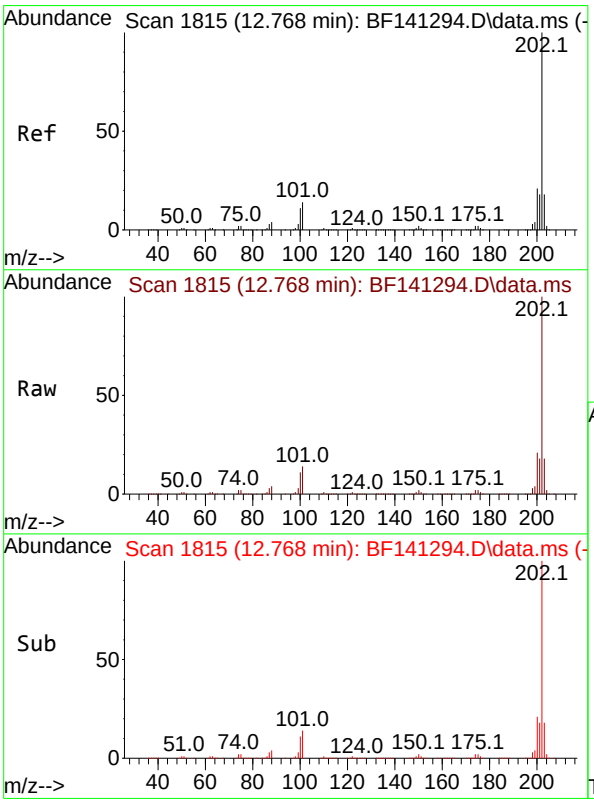

#77
Benzidine
Concen: 48.034 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:184 Resp: 380623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.9 | 11.9 | 17.9 |
| 183 | 11.9 | 9.5 | 14.3 |

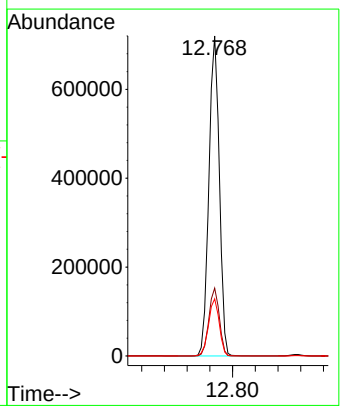


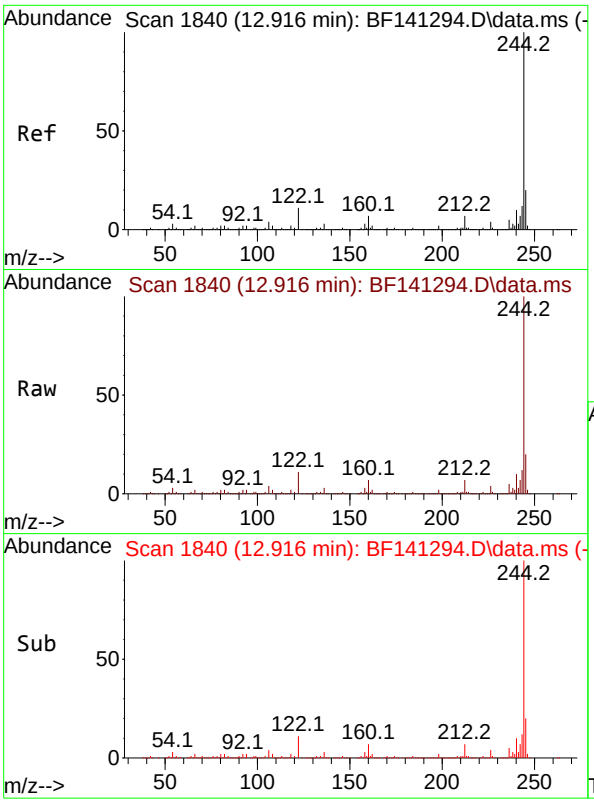




#78
Pyrene
Concen: 36.333 ng
RT: 12.768 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:202 Resp: 914205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 17.0 | 25.4 |
| 203 | 17.9 | 14.3 | 21.5 |



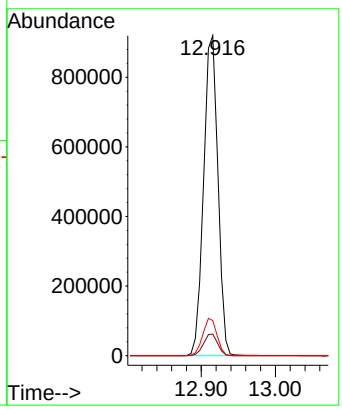


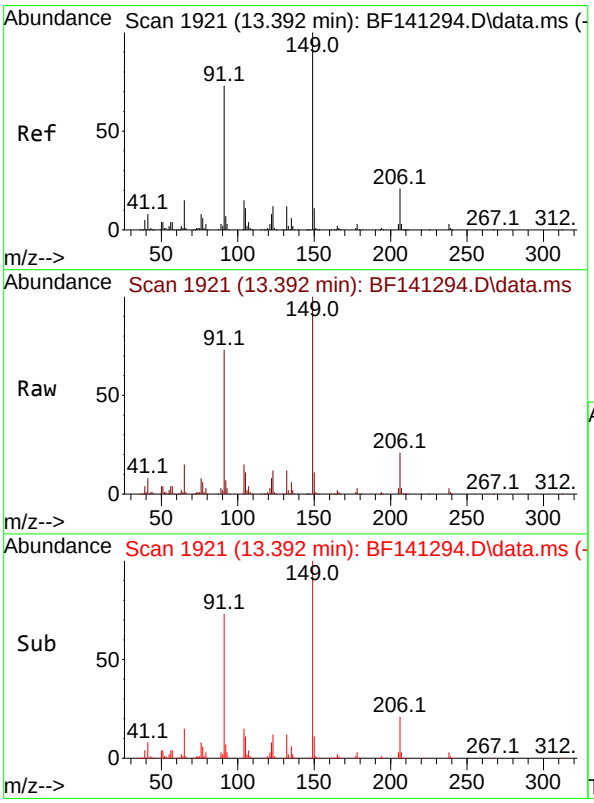

#79
Terphenyl-d14
Concen: 72.802 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:244 Resp: 1232977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.4 | 8.0 |
| 122 | 11.0 | 8.8 | 13.2 |

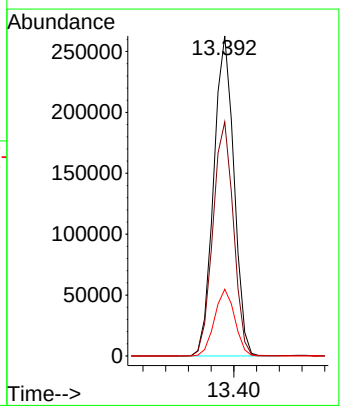


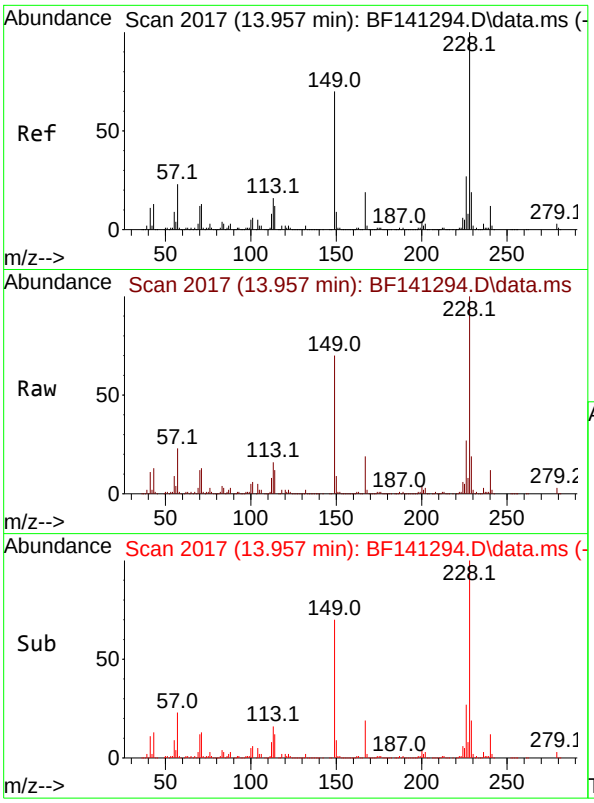




#80
Butylbenzylphthalate
Concen: 37.532 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 326158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 73.2 | 58.6 | 87.8 |
| 206 | 20.9 | 16.7 | 25.1 |



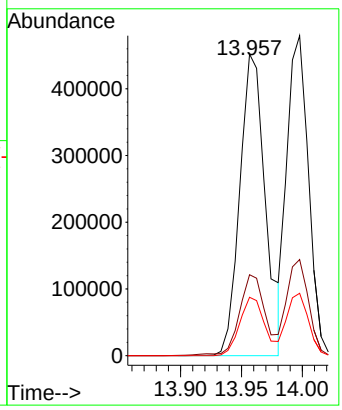


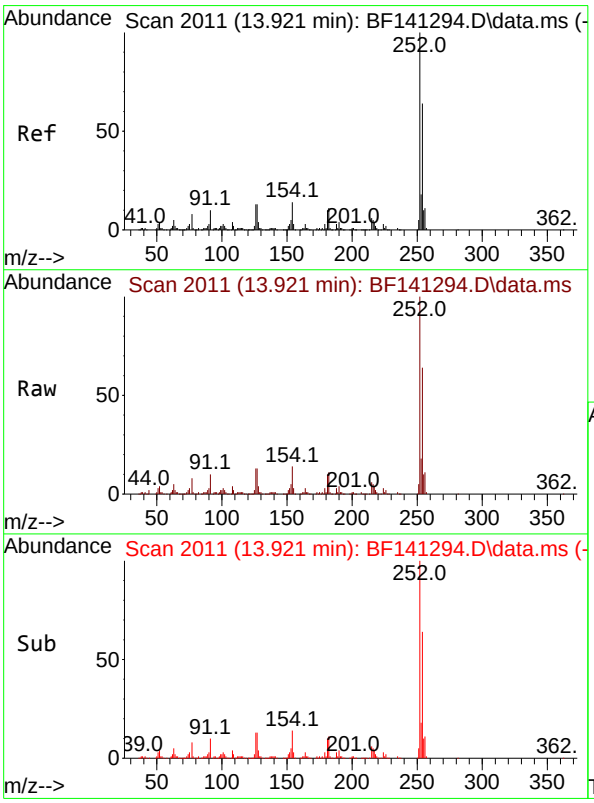

#81
Benzo(a)anthracene
Concen: 37.062 ng
RT: 13.957 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:228 Resp: 661997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.8 | 21.4 | 32.2 |
| 229 | 19.4 | 15.5 | 23.3 |

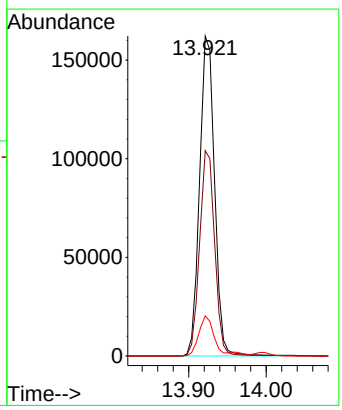


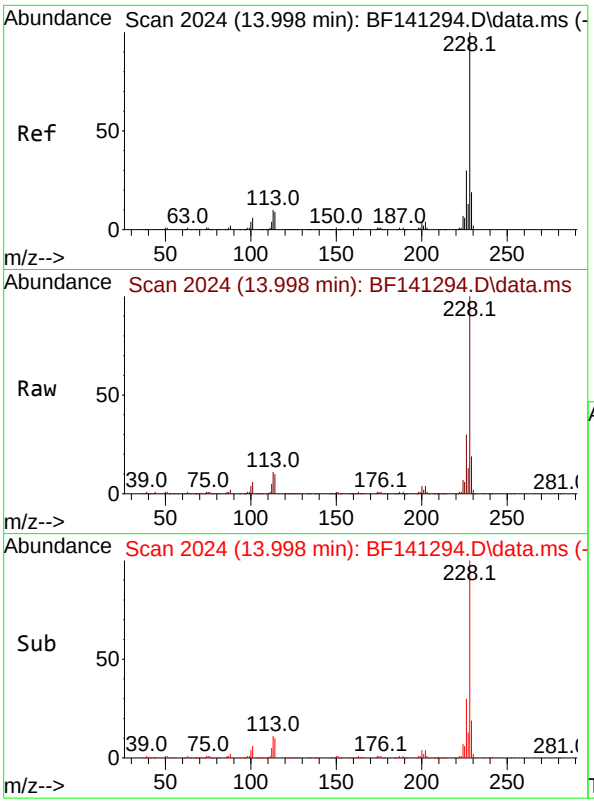




#82
3,3'-Dichlorobenzidine
Concen: 38.953 ng
RT: 13.921 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:252 Resp: 217856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.1 | 51.3 | 76.9 |
| 126 | 12.5 | 10.0 | 15.0 |



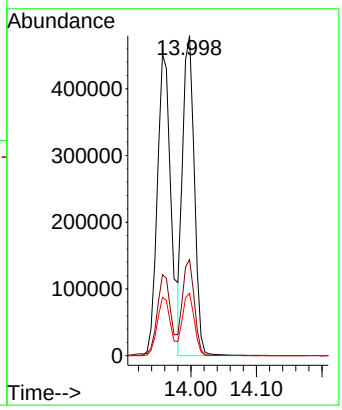


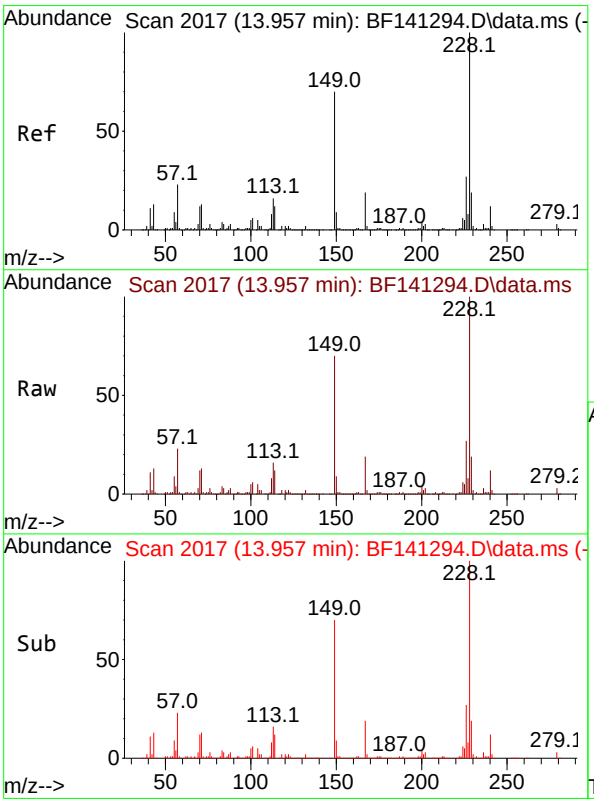

#83
Chrysene
Concen: 35.738 ng
RT: 13.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:228 Resp: 591939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.1 | 36.1 |
| 229 | 19.5 | 15.6 | 23.4 |

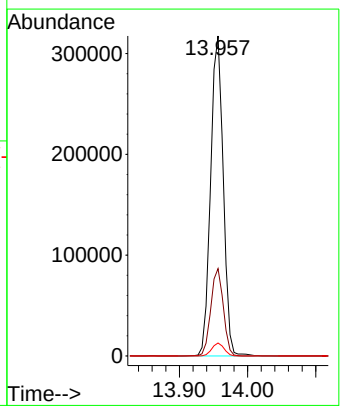


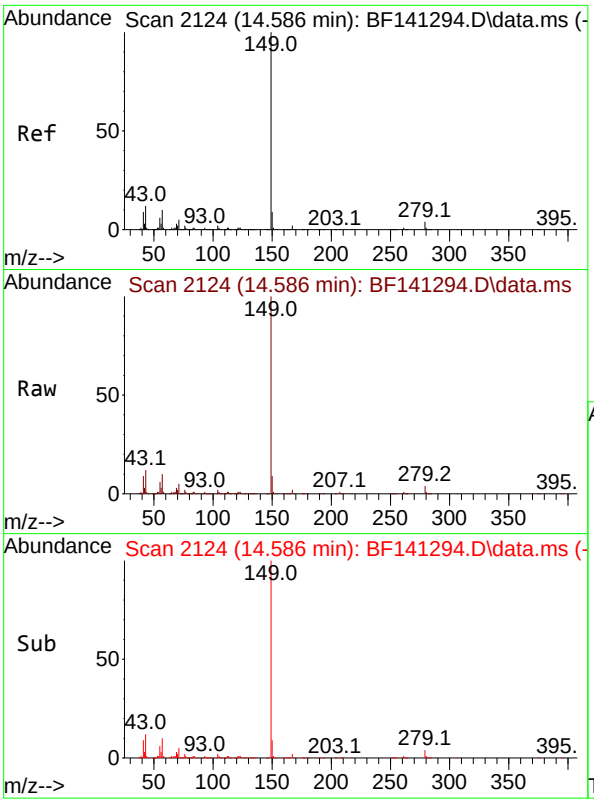




#84
Bis(2-ethylhexyl)phthalate
Concen: 37.540 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 409365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.3 | 21.8 | 32.8 |
| 279 | 4.1 | 3.3 | 4.9 |



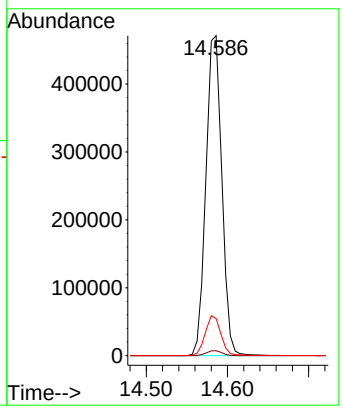


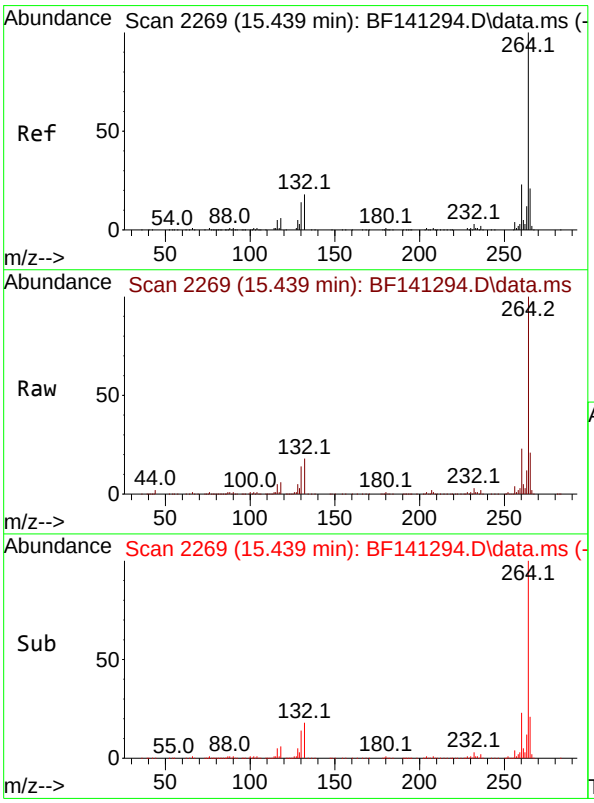

#85
Di-n-octyl phthalate
Concen: 37.578 ng
RT: 14.586 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:149 Resp: 640977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 12.3 | 9.8 | 14.8 |

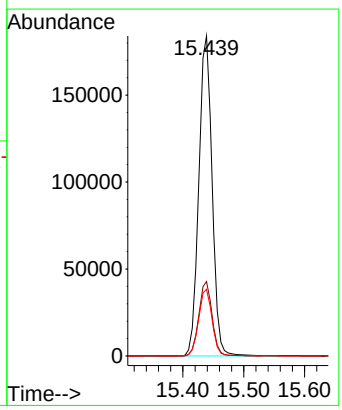


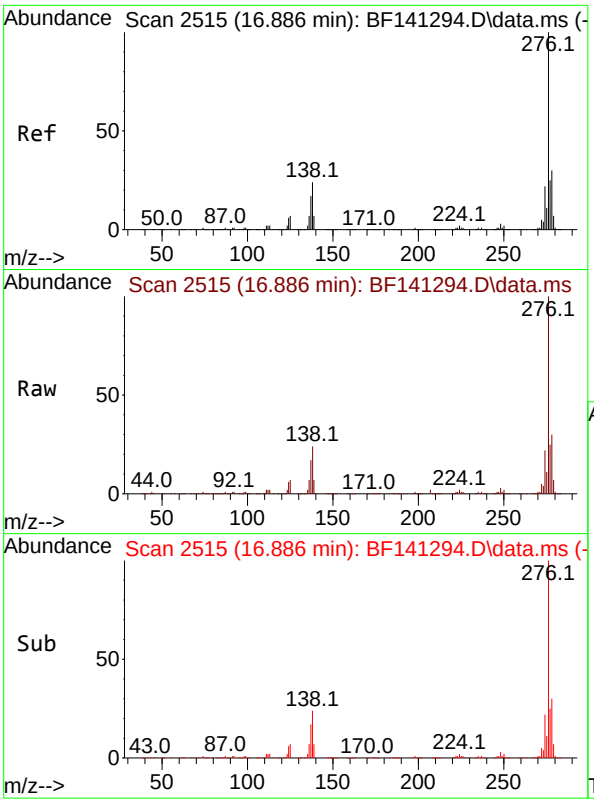




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:264 Resp: 279417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.6 | 27.8 |
| 265 | 20.9 | 16.7 | 25.1 |



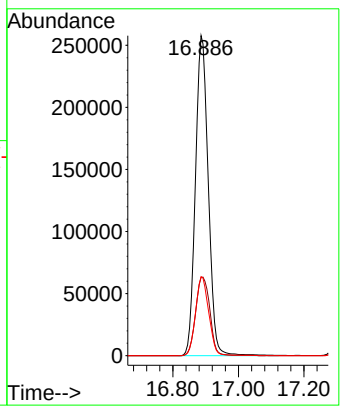


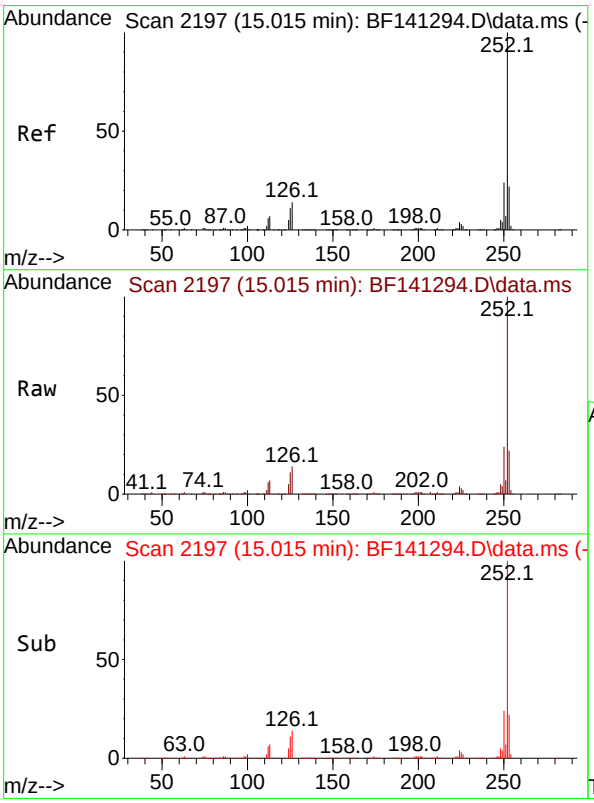

#87
Indeno(1,2,3-cd)pyrene
Concen: 38.503 ng
RT: 16.886 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:276 Resp: 702692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.1 | 21.7 | 32.5 |
| 277 | 25.4 | 20.3 | 30.5 |

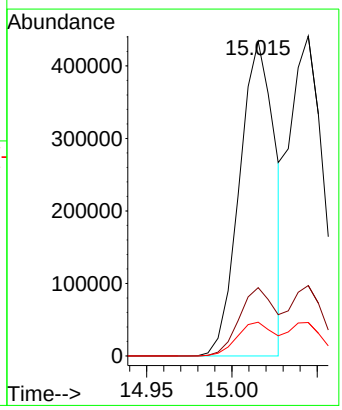


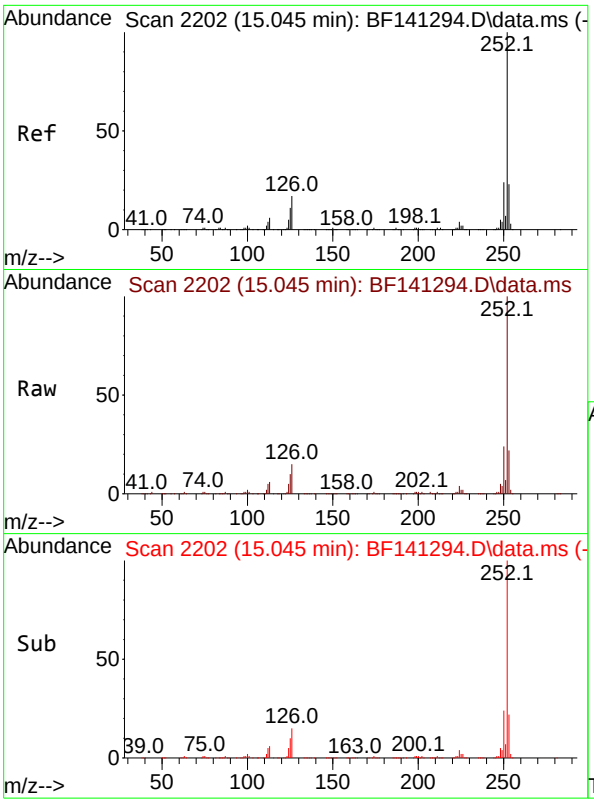




#88
Benzo(b)fluoranthene
Concen: 36.061 ng
RT: 15.015 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:252 Resp: 625758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.4 | 26.2 |
| 125 | 10.7 | 8.6 | 12.8 |



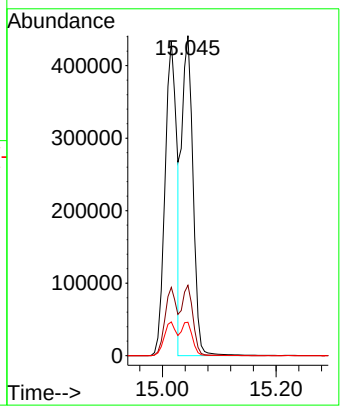


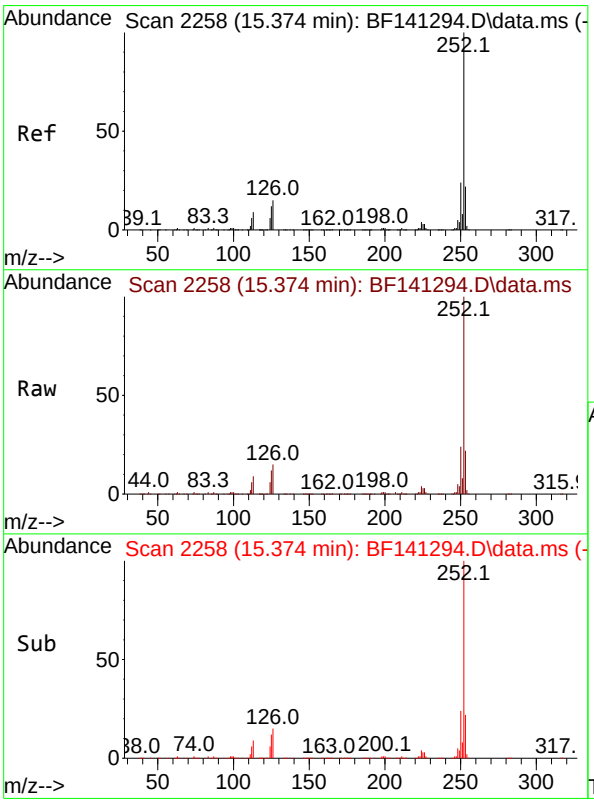

#89
Benzo(k)fluoranthene
Concen: 38.959 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:252 Resp: 605401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.6 | 26.4 |
| 125 | 10.5 | 8.4 | 12.6 |

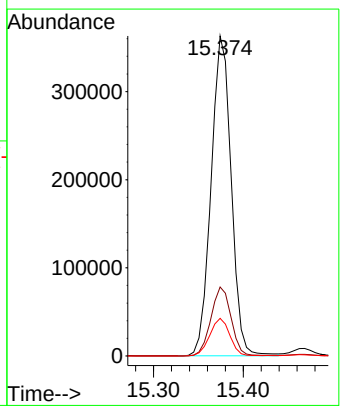


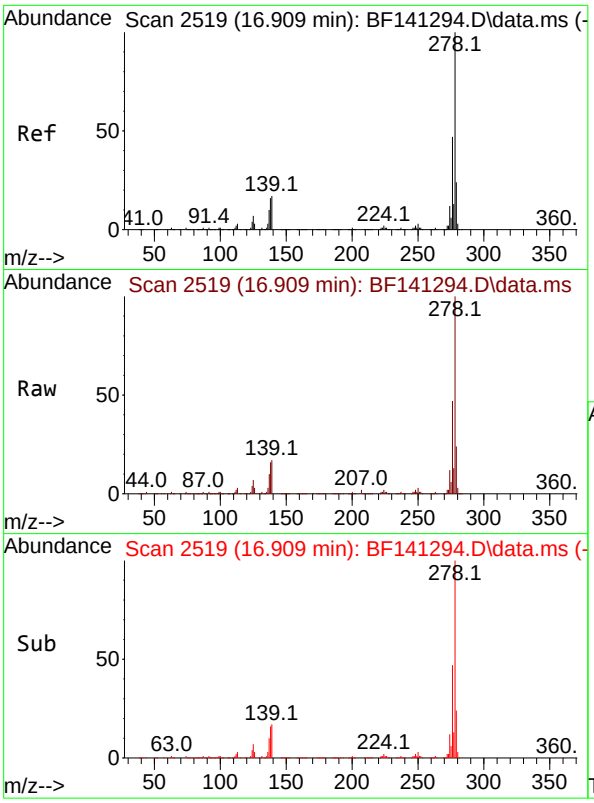




#90
Benzo(a)pyrene
Concen: 38.096 ng
RT: 15.374 min Scan# 2258
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:252 Resp: 564975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.2 | 25.8 |
| 125 | 11.8 | 9.4 | 14.2 |



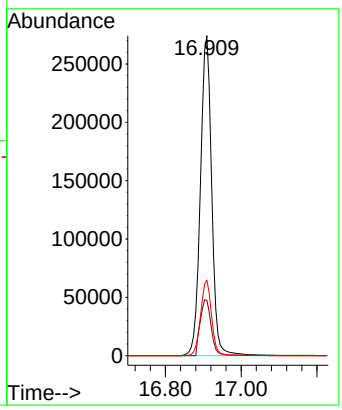


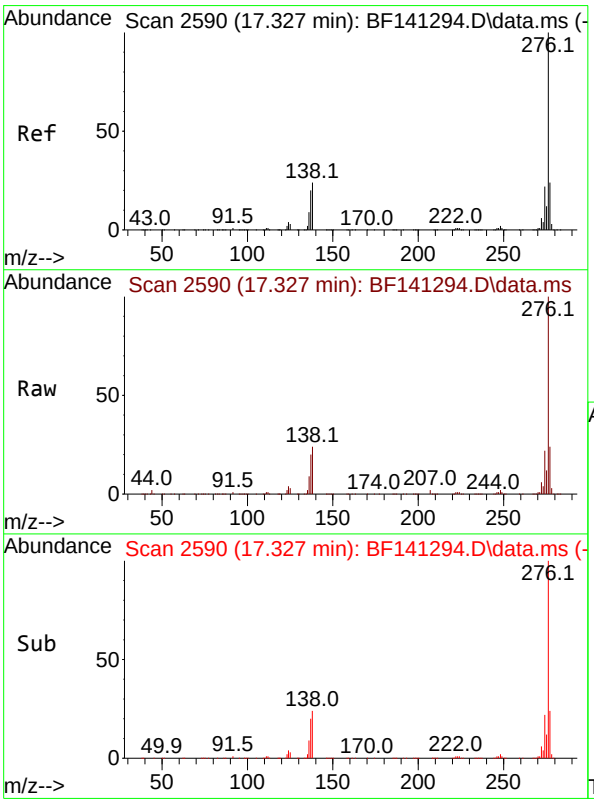

#91
Dibenzo(a,h)anthracene
Concen: 38.812 ng
RT: 16.909 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:278 Resp: 567762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.4 | 13.9 | 20.9 |
| 279 | 23.5 | 18.8 | 28.2 |

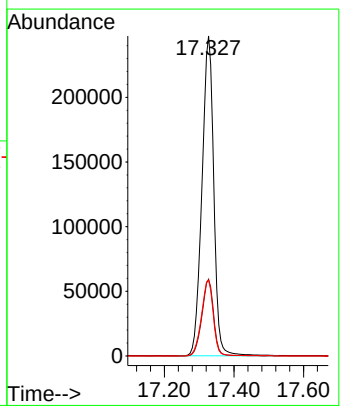



#92
Benzo(g,h,i)perylene
Concen: 37.870 ng
RT: 17.327 min Scan# 2590
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:276 Resp: 582768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.0 | 19.2 | 28.8 |
| 138 | 23.7 | 19.0 | 28.4 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141295.D
Acq On : 29 Jan 2025 16:11
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:01:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.798 | 152 | 130633 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.081 | 136 | 511843 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.839 | 164 | 269662 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.322 | 188 | 442506 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.968 | 240 | 226571 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.439 | 264 | 272084 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.404 | 112 | 827672 | 97.984 | ng | | 0.00 |
| 7) Phenol-d6 | 6.428 | 99 | 1052381 | 97.751 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.369 | 82 | 955368 | 98.761 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.627 | 330 | 235884 | 95.997 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.157 | 172 | 1620825 | 92.721 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.916 | 244 | 1402103 | 95.222 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.493 | 88 | 187460 | 49.995 | ng | | 98 |
| 3) Pyridine | 3.222 | 79 | 455306 | 50.773 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 3.181 | 42 | 262086 | 51.033 | ng | | 100 |
| 6) Aniline | 6.463 | 93 | 458390 | 50.942 | ng | | 97 |
| 8) 2-Chlorophenol | 6.587 | 128 | 441862 | 48.707 | ng | | 98 |
| 9) Benzaldehyde | 6.351 | 77 | 281326 | 44.996 | ng | | 98 |
| 10) Phenol | 6.445 | 94 | 553844 | 48.628 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.539 | 93 | 424248 | 48.433 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.739 | 146 | 489386 | 48.913 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.816 | 146 | 490392 | 48.671 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.975 | 146 | 454569 | 48.279 | ng | | 99 |
| 15) Benzyl Alcohol | 6.939 | 79 | 371274 | 50.480 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.081 | 45 | 749938 | 49.280 | ng | | 99 |
| 17) 2-Methylphenol | 7.051 | 107 | 361469 | 49.214 | ng | | 99 |
| 18) Hexachloroethane | 7.310 | 117 | 182933 | 49.073 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.216 | 70 | 305749 | 47.753 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.210 | 107 | 434743 | 48.143 | ng | | 94 |
| 22) Acetophenone | 7.210 | 105 | 574700 | 47.365 | ng | # | 97 |
| 24) Nitrobenzene | 7.386 | 77 | 492082 | 49.046 | ng | | 98 |
| 25) Isophorone | 7.622 | 82 | 818496 | 48.959 | ng | | 99 |
| 26) 2-Nitrophenol | 7.698 | 139 | 242228 | 51.545 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.734 | 122 | 300079m | 49.969 | ng | | |
| 28) bis(2-Chloroethoxy)met... | 7.833 | 93 | 518825 | 48.701 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.939 | 162 | 363275 | 49.507 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.022 | 180 | 406562 | 48.309 | ng | | 100 |
| 31) Naphthalene | 8.104 | 128 | 1304758 | 48.468 | ng | | 100 |
| 32) Benzoic acid | 7.857 | 122 | 308525 | 56.571 | ng | | 99 |
| 33) 4-Chloroaniline | 8.151 | 127 | 449543 | 49.712 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.222 | 225 | 243308 | 49.395 | ng | | 99 |
| 35) Caprolactam | 8.528 | 113 | 120078 | 50.594 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 8.633 | 107 | 385683 | 48.973 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.792 | 142 | 822986 | 48.006 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.892 | 142 | 799136 | 47.586 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.963 | 216 | 373963 | 48.774 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 8.945 | 237 | 122470 | 53.227 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.069 | 196 | 252974 | 50.545 | ng | | 98 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141295.D
Acq On : 29 Jan 2025 16:11
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:01:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.110 | 196 | 263745 | 48.438 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.263 | 154 | 1005774 | 47.808 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.286 | 162 | 781613 | 47.835 | ng | 99 |
| 48) 2-Nitroaniline | 9.380 | 65 | 257199 | 49.907 | ng | 98 |
| 49) Acenaphthylene | 9.698 | 152 | 1092234 | 47.595 | ng | 100 |
| 50) Dimethylphthalate | 9.563 | 163 | 875569 | 48.419 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.622 | 165 | 204917 | 48.697 | ng | 98 |
| 52) Acenaphthene | 9.875 | 154 | 789039 | 48.322 | ng | 100 |
| 53) 3-Nitroaniline | 9.792 | 138 | 197832 | 47.528 | ng | 99 |
| 54) 2,4-Dinitrophenol | 9.898 | 184 | 105313 | 53.096 | ng | 96 |
| 55) Dibenzofuran | 10.045 | 168 | 1028182 | 47.082 | ng | 100 |
| 56) 4-Nitrophenol | 9.951 | 139 | 155594 | 52.067 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 10.027 | 165 | 264325 | 48.700 | ng | 97 |
| 58) Fluorene | 10.386 | 166 | 784644 | 46.215 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.163 | 232 | 205508 | 47.772 | ng | 98 |
| 60) Diethylphthalate | 10.263 | 149 | 834803 | 47.668 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.380 | 204 | 380948 | 45.976 | ng | 99 |
| 62) 4-Nitroaniline | 10.404 | 138 | 198241 | 49.579 | ng | 98 |
| 63) Azobenzene | 10.539 | 77 | 841797 | 47.955 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 10.433 | 198 | 144574 | 54.710 | ng | 97 |
| 66) n-Nitrosodiphenylamine | 10.498 | 169 | 688202 | 47.968 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.869 | 248 | 241123 | 48.745 | ng | 99 |
| 68) Hexachlorobenzene | 10.933 | 284 | 253174 | 48.250 | ng | 100 |
| 69) Atrazine | 11.027 | 200 | 237991 | 49.457 | ng | 98 |
| 70) Pentachlorophenol | 11.127 | 266 | 161568 | 52.515 | ng | 99 |
| 71) Phenanthrene | 11.351 | 178 | 1114920 | 46.903 | ng | 99 |
| 72) Anthracene | 11.404 | 178 | 1105681 | 47.686 | ng | 100 |
| 73) Carbazole | 11.557 | 167 | 971542 | 47.304 | ng | 99 |
| 74) Di-n-butylphthalate | 11.892 | 149 | 1162607 | 46.961 | ng | 100 |
| 75) Fluoranthene | 12.539 | 202 | 1065514 | 45.923 | ng | 100 |
| 77) Benzidine | 12.663 | 184 | 513358 | 74.515 | ng | 99 |
| 78) Pyrene | 12.768 | 202 | 1059044 | 48.410 | ng | 99 |
| 80) Butylbenzylphthalate | 13.392 | 149 | 371889 | 49.222 | ng | 99 |
| 81) Benzo(a)anthracene | 13.963 | 228 | 778922 | 50.158 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.921 | 252 | 270572 | 55.645 | ng | 99 |
| 83) Chrysene | 13.998 | 228 | 717569 | 49.829 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.957 | 149 | 470441 | 49.620 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.586 | 149 | 773037 | 52.127 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.892 | 276 | 916714 | 51.584 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.015 | 252 | 860351 | 50.916 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.045 | 252 | 713500 | 47.153 | ng | 99 |
| 90) Benzo(a)pyrene | 15.380 | 252 | 721834 | 49.985 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 16.915 | 278 | 739397 | 51.907 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 17.333 | 276 | 764064 | 50.990 | ng | 99 |

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

ICAL Form

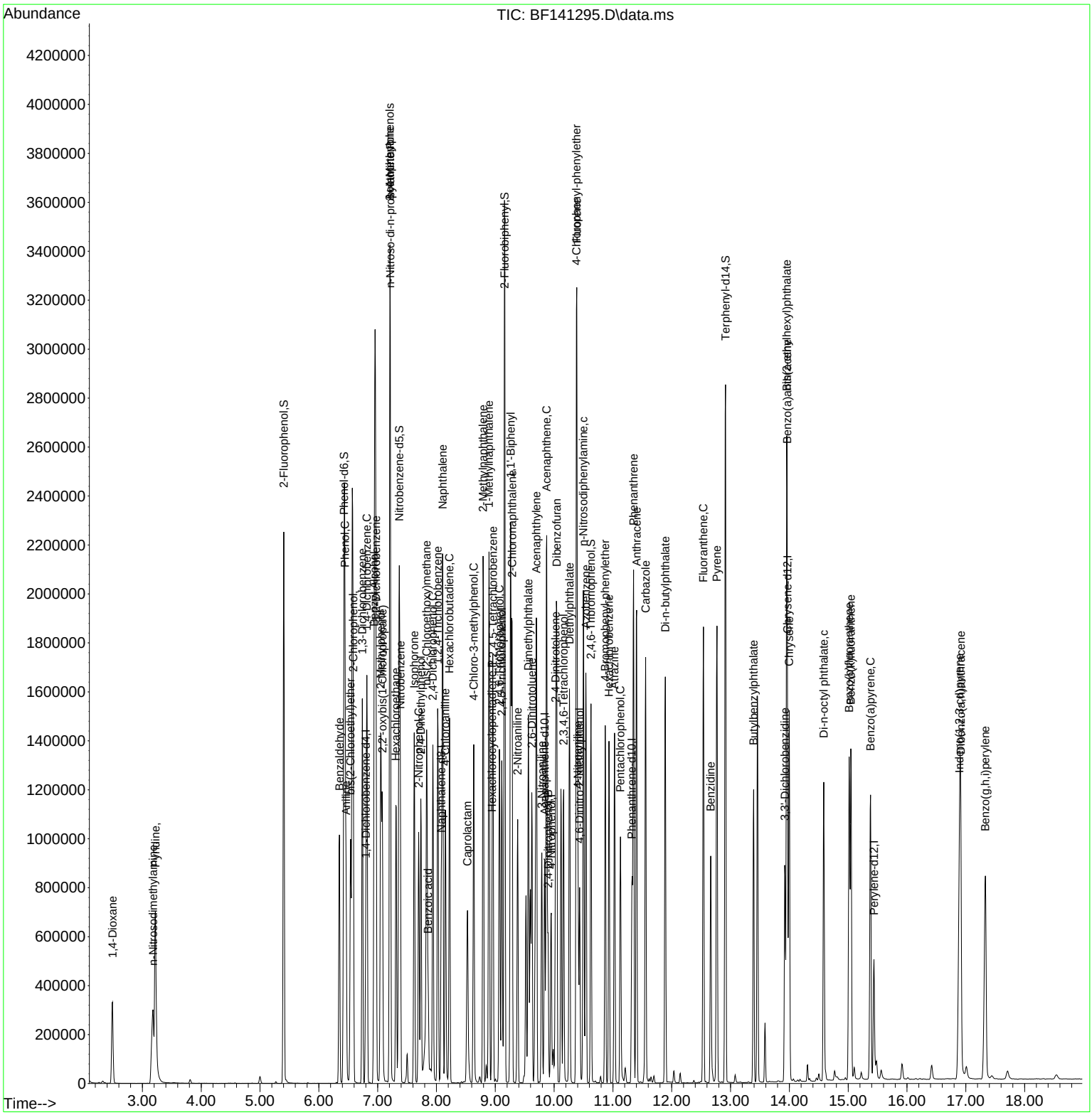
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Data File : BF141295.D
Acq On : 29 Jan 2025 16:11
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

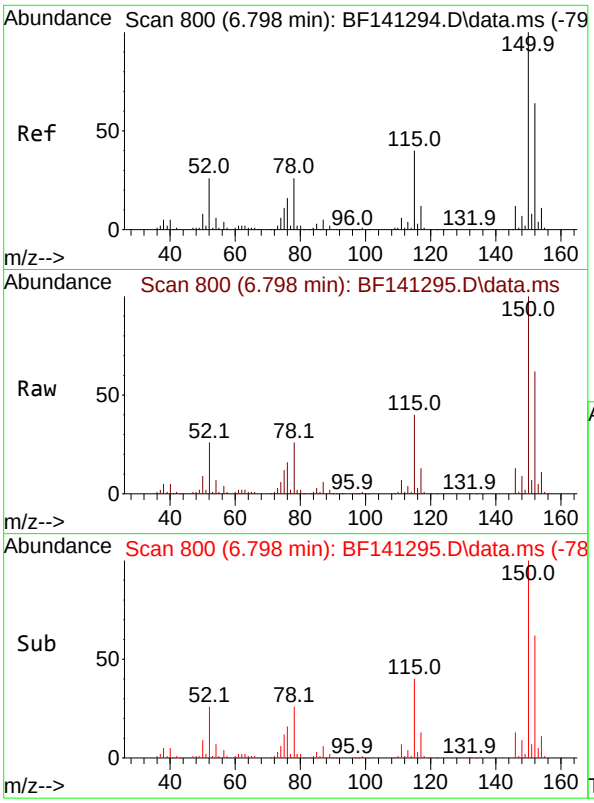
Quant Time: Jan 29 17:01:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

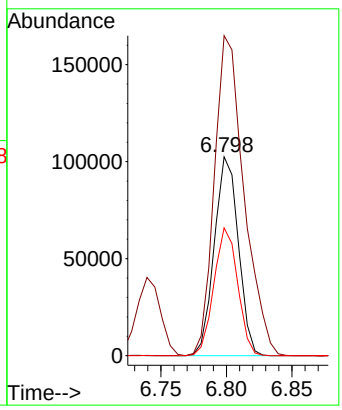





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:152 Resp: 13063

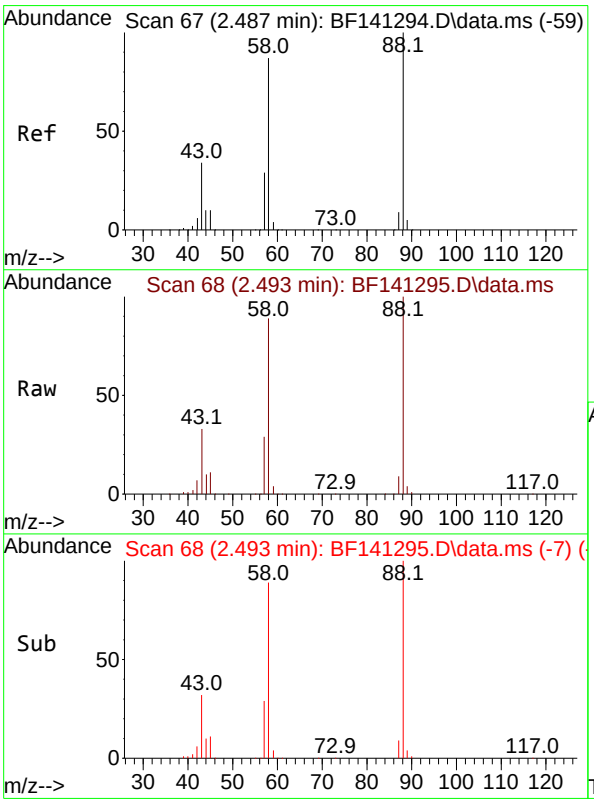
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.9 | 125.9 | 188.9 |
| 115 | 64.3 | 49.7 | 74.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

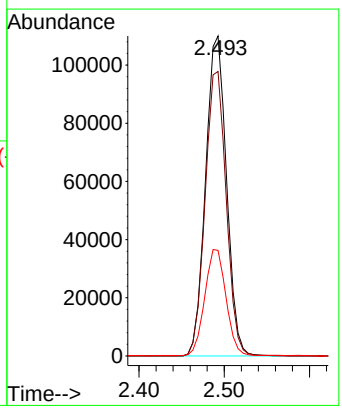
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

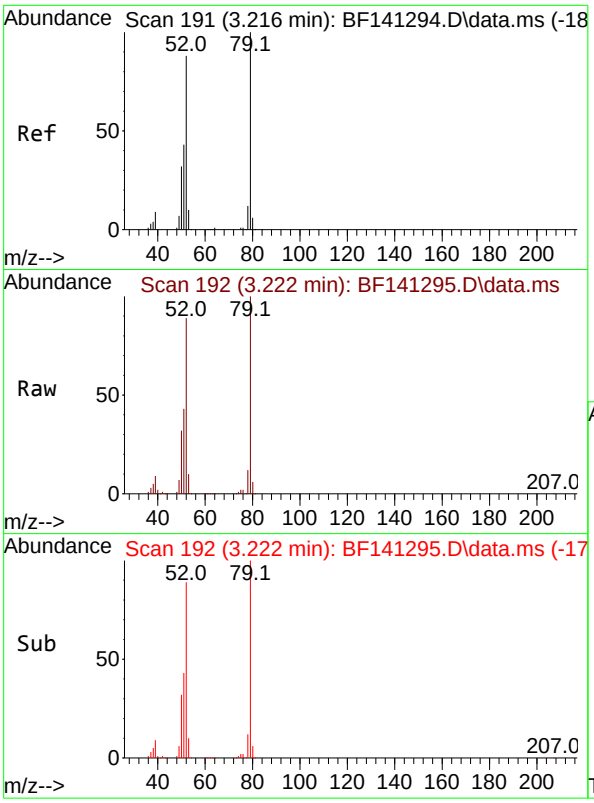



#2
1,4-Dioxane
Concen: 49.995 ng
RT: 2.493 min Scan# 68
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 88 Resp: 187460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 89.8 | 70.2 | 105.4 |
| 43 | 33.5 | 27.6 | 41.4 |

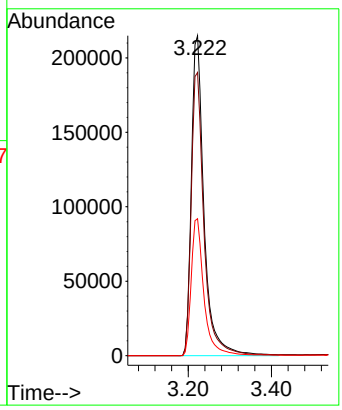





#3
Pyridine
Concen: 50.773 ng
RT: 3.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 79 Resp: 45530

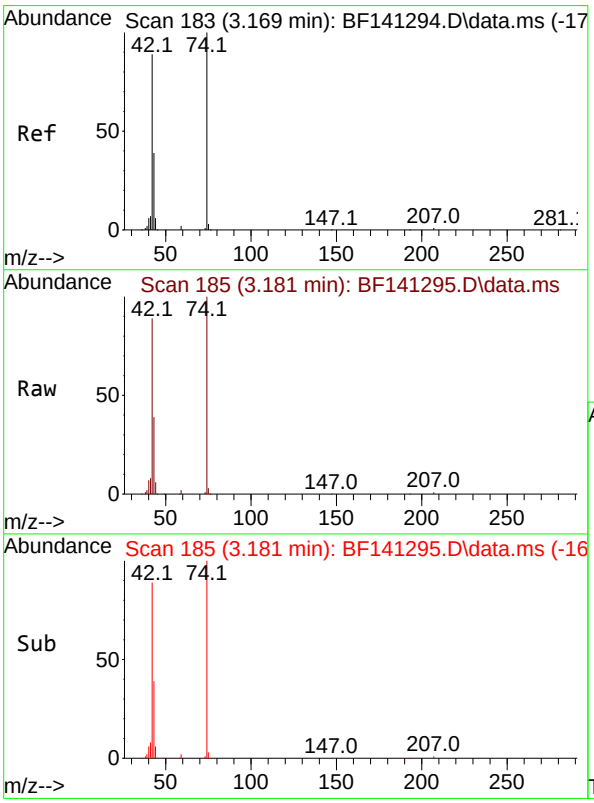
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 88.5 | 70.3 | 105.5 |
| 51 | 42.8 | 34.3 | 51.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

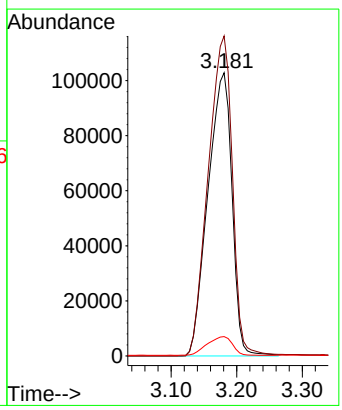
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

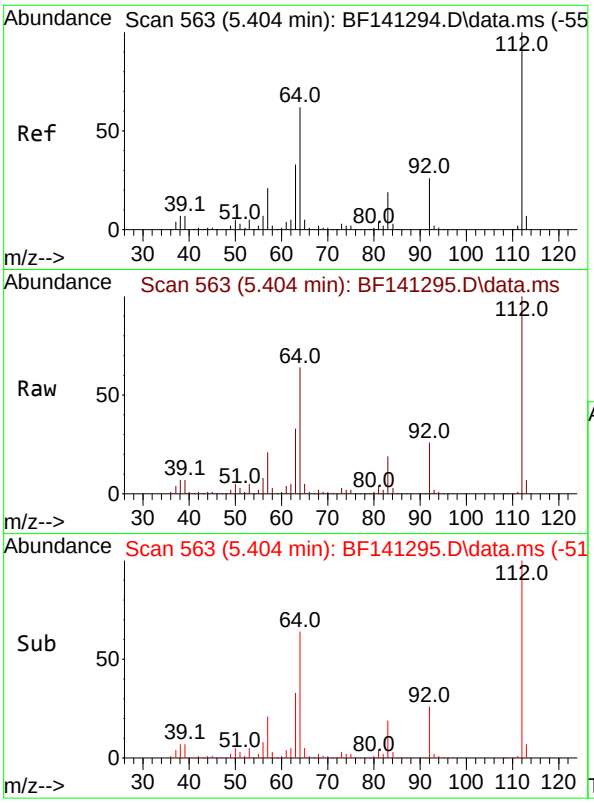



#4
n-Nitrosodimethylamine
Concen: 51.033 ng
RT: 3.181 min Scan# 185
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 42 Resp: 262086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 113.0 | 90.3 | 135.5 |
| 44 | 6.8 | 5.7 | 8.5 |

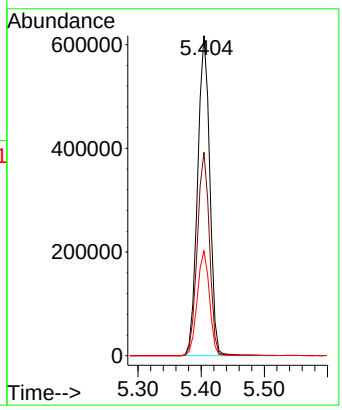





#5
2-Fluorophenol
Concen: 97.984 ng
RT: 5.404 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:112 Resp: 82767

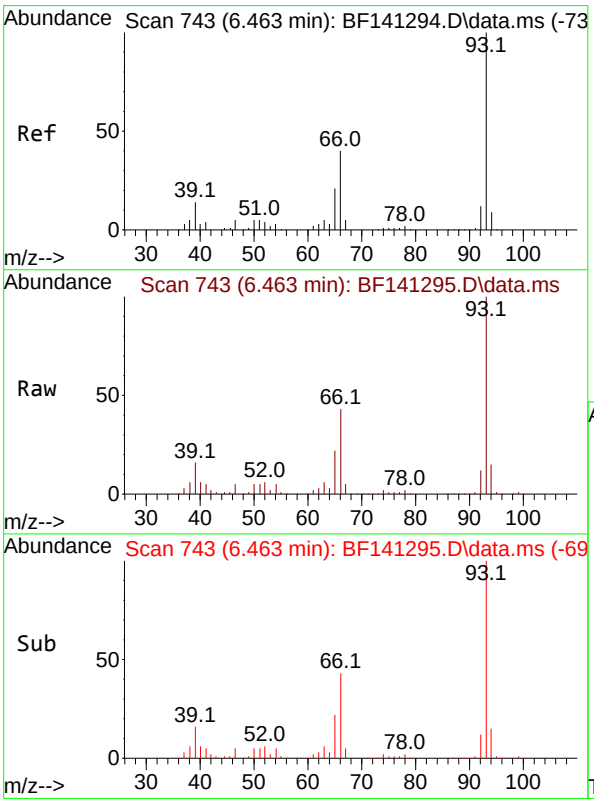
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.5 | 49.8 | 74.8 |
| 63 | 32.7 | 26.1 | 39.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

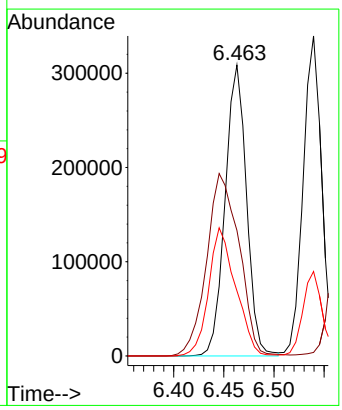
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

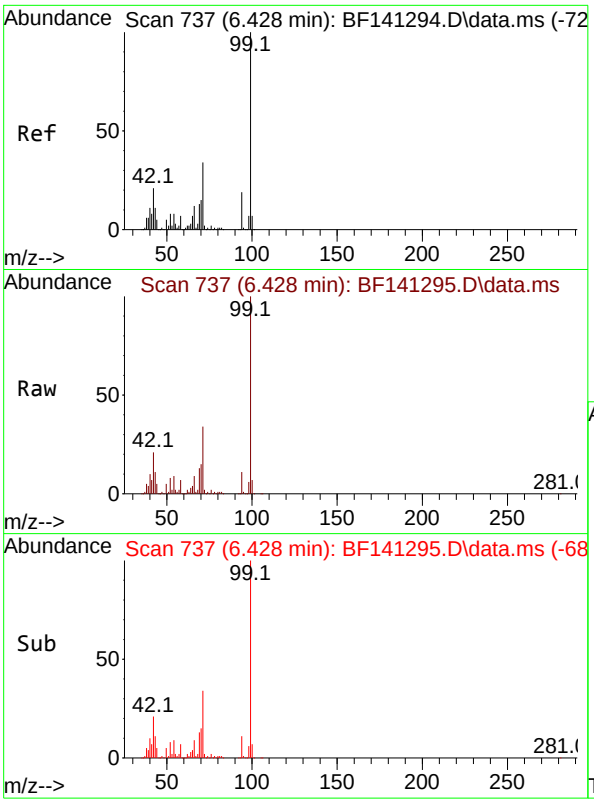



#6
Aniline
Concen: 50.942 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 93 Resp: 458390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 43.2 | 32.5 | 48.7 |
| 65 | 22.4 | 17.0 | 25.6 |

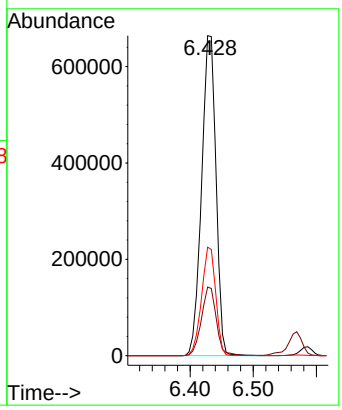





#7
Phenol-d6
Concen: 97.751 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 99 Resp: 105238

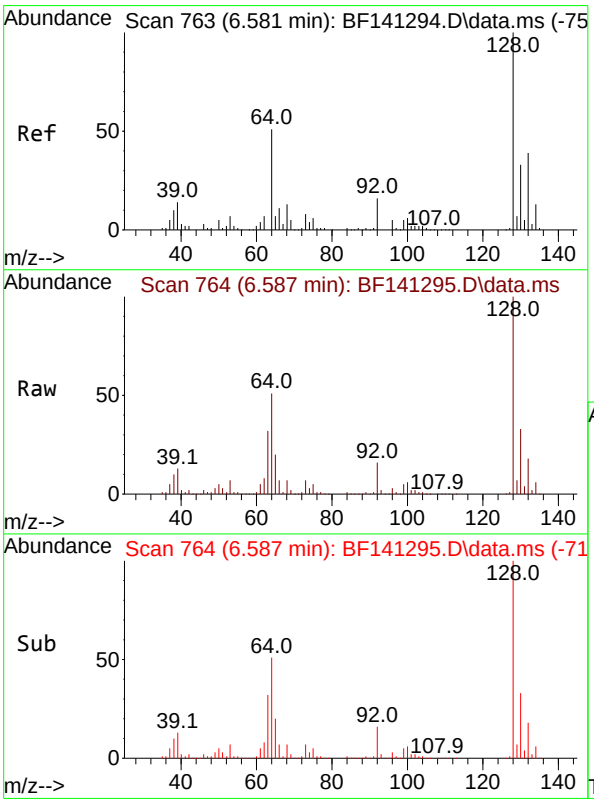
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.4 | 17.1 | 25.7 |
| 71 | 33.9 | 26.9 | 40.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

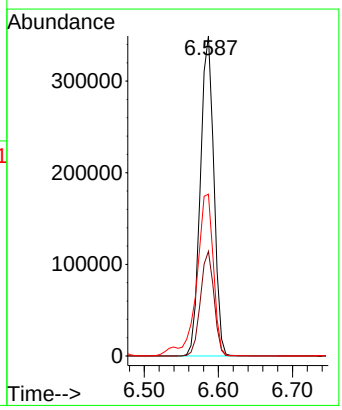
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

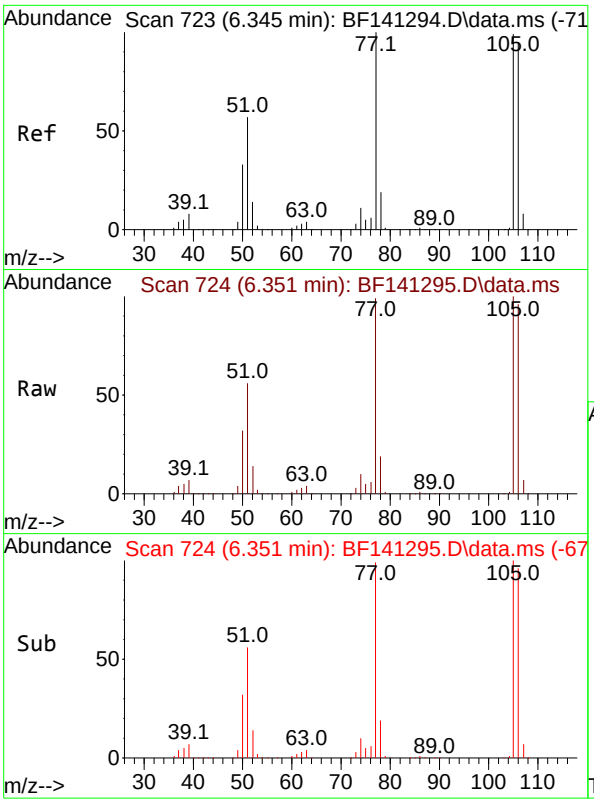



#8
2-Chlorophenol
Concen: 48.707 ng
RT: 6.587 min Scan# 764
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:128 Resp: 441862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.7 | 12.5 | 52.5 |
| 64 | 50.5 | 32.9 | 72.9 |

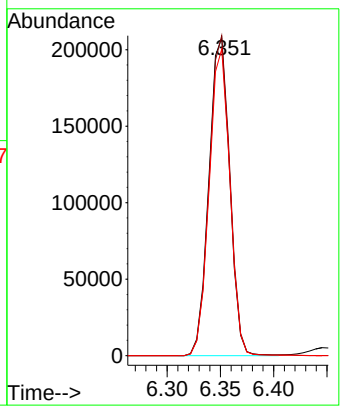





#9
Benzaldehyde
Concen: 44.996 ng
RT: 6.351 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 77 Resp: 28132

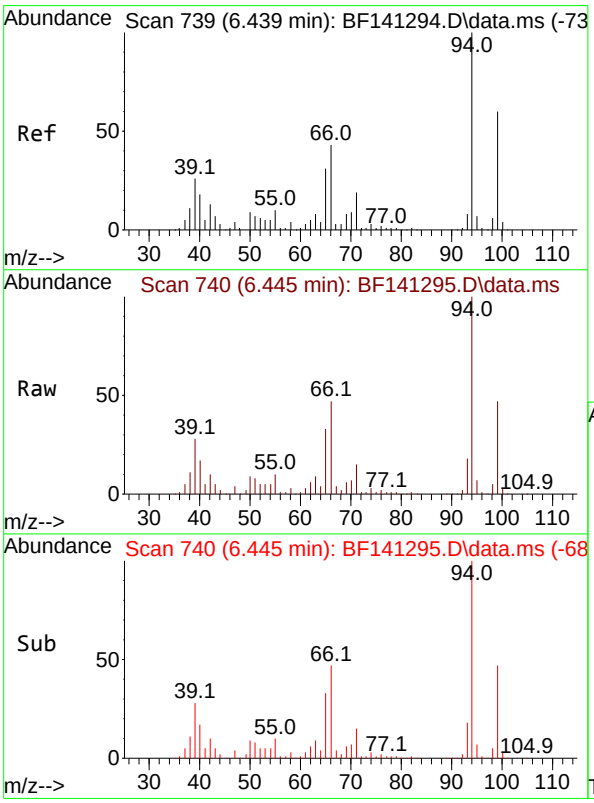
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 100.8 | 79.4 | 119.4 |
| 106 | 96.5 | 74.6 | 114.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

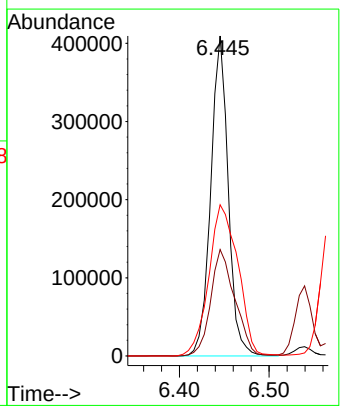
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

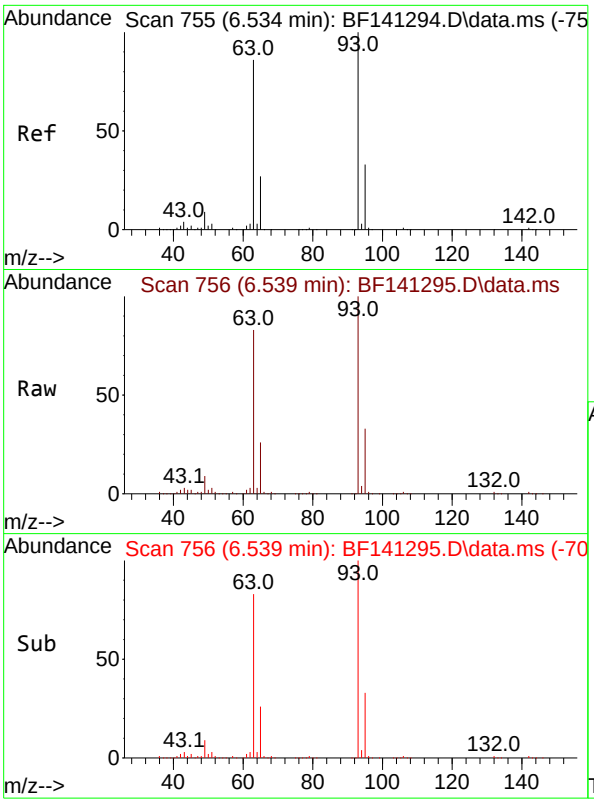



#10
Phenol
Concen: 48.628 ng
RT: 6.445 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 94 Resp: 553844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 33.2 | 10.8 | 50.8 |
| 66 | 47.3 | 23.3 | 63.3 |

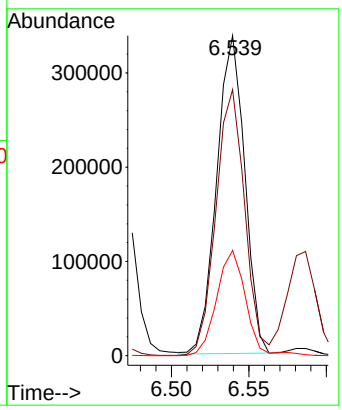





#11
bis(2-Chloroethyl)ether
Concen: 48.433 ng
RT: 6.539 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 93 Resp: 42424

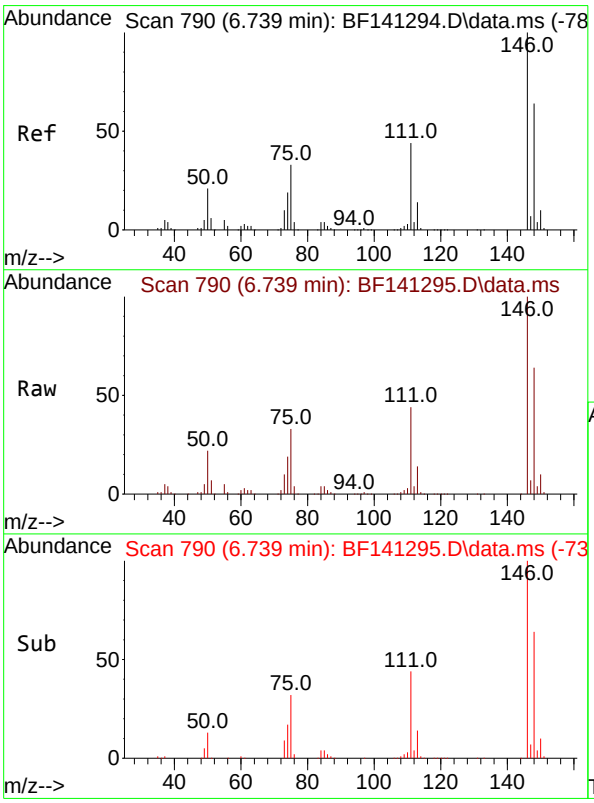
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 83.2 | 65.0 | 105.0 |
| 95 | 32.9 | 12.4 | 52.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

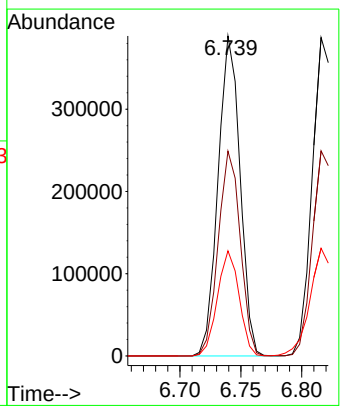
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

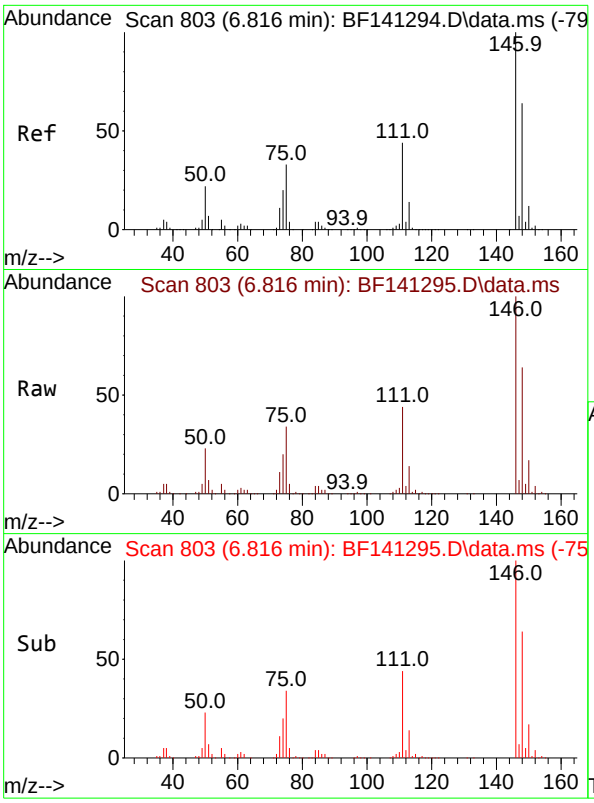



#12
1,3-Dichlorobenzene
Concen: 48.913 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:146 Resp: 489386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.2 | 76.8 |
| 75 | 32.9 | 26.2 | 39.4 |

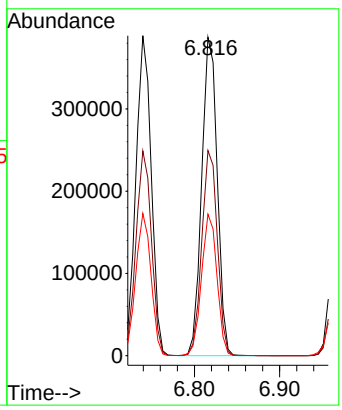





#13
1,4-Dichlorobenzene
Concen: 48.671 ng
RT: 6.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:146 Resp: 49039

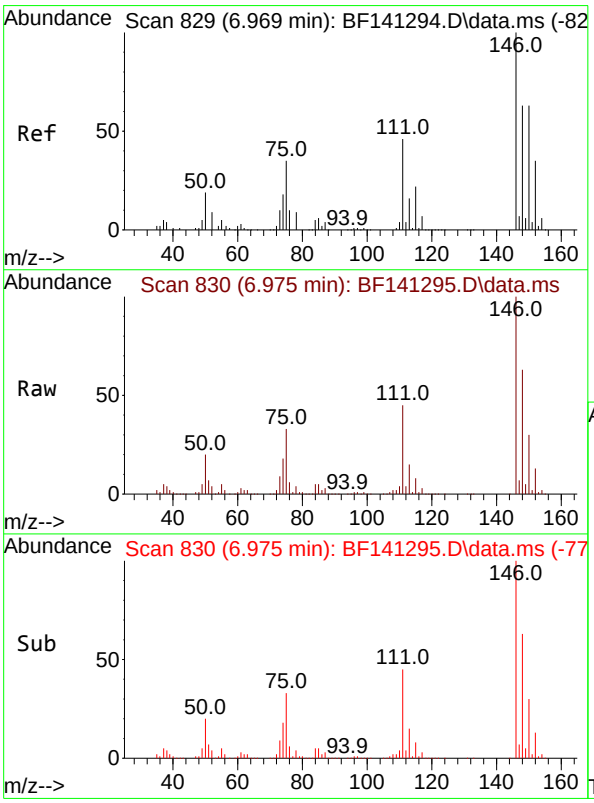
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.2 | 76.8 |
| 111 | 44.4 | 35.0 | 52.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

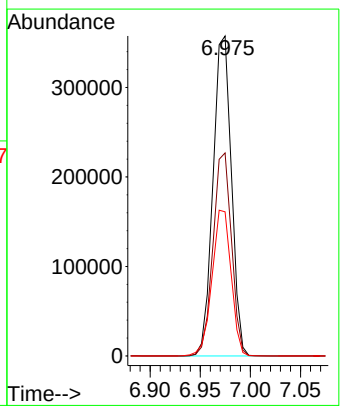
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

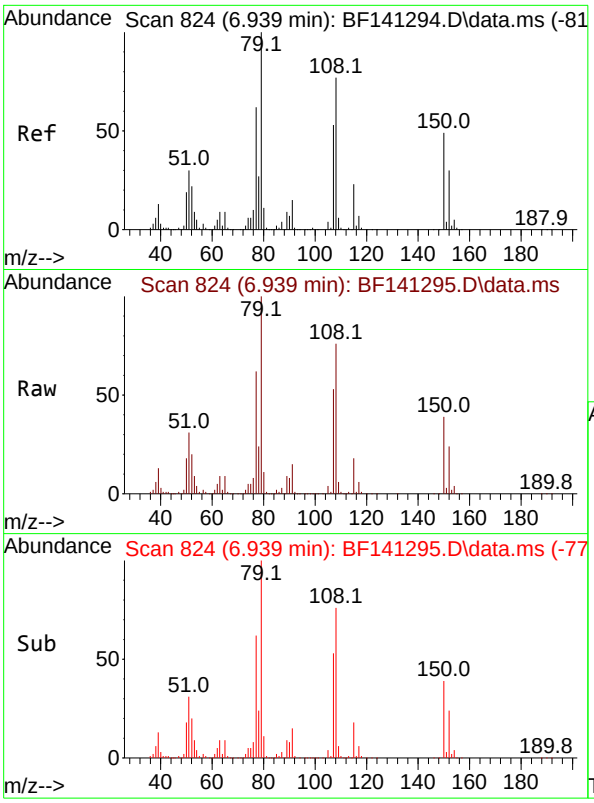



#14
1,2-Dichlorobenzene
Concen: 48.279 ng
RT: 6.975 min Scan# 830
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:146 Resp: 454569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.4 | 50.5 | 75.7 |
| 111 | 45.1 | 36.6 | 55.0 |

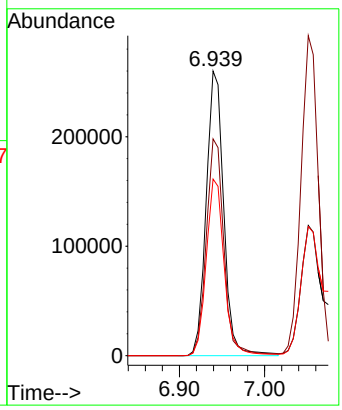





#15
Benzyl Alcohol
Concen: 50.480 ng
RT: 6.939 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 79 Resp: 37127

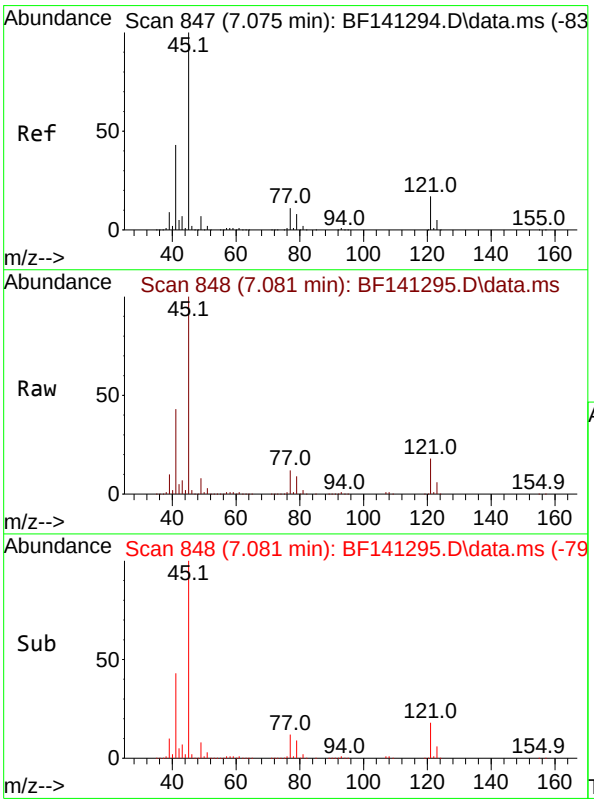
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.2 | 61.4 | 92.0 |
| 77 | 62.1 | 49.9 | 74.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

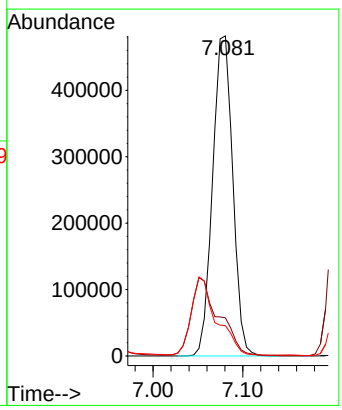
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

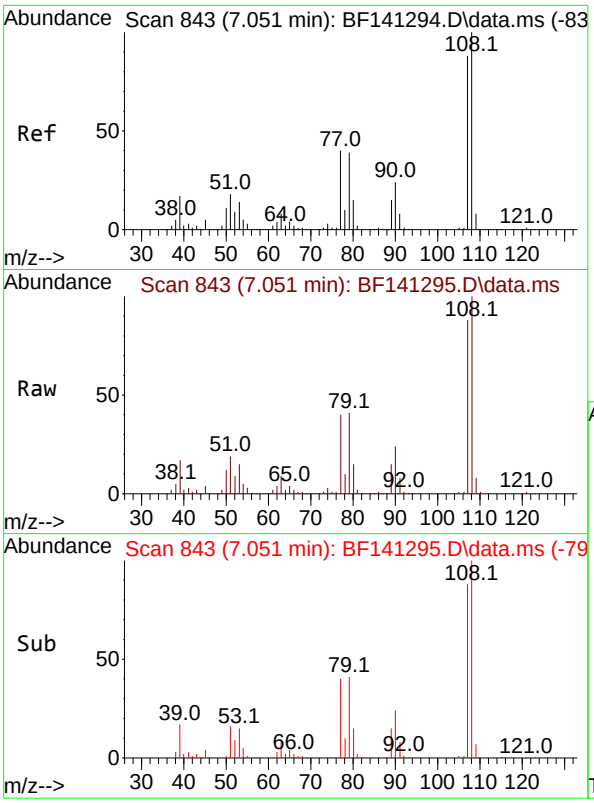



#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.280 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 45 Resp: 749938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 11.9 | 0.0 | 31.8 |
| 79 | 9.5 | 0.0 | 29.1 |

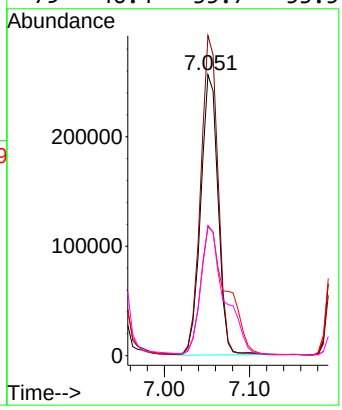





#17
2-Methylphenol
Concen: 49.214 ng
RT: 7.051 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:107 Resp: 36146

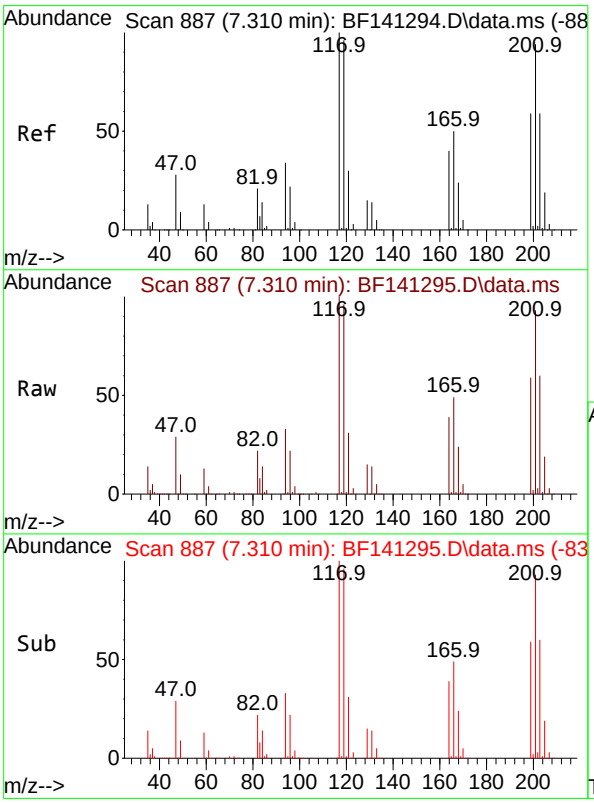
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.9 | 90.8 | 136.2 |
| 77 | 46.0 | 36.2 | 54.4 |
| 79 | 46.4 | 35.7 | 53.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

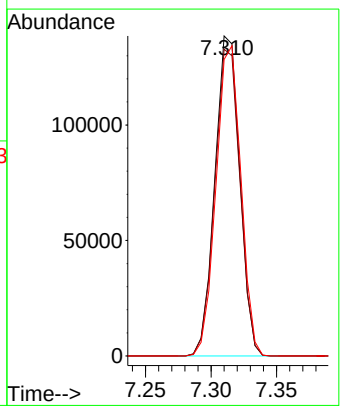
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

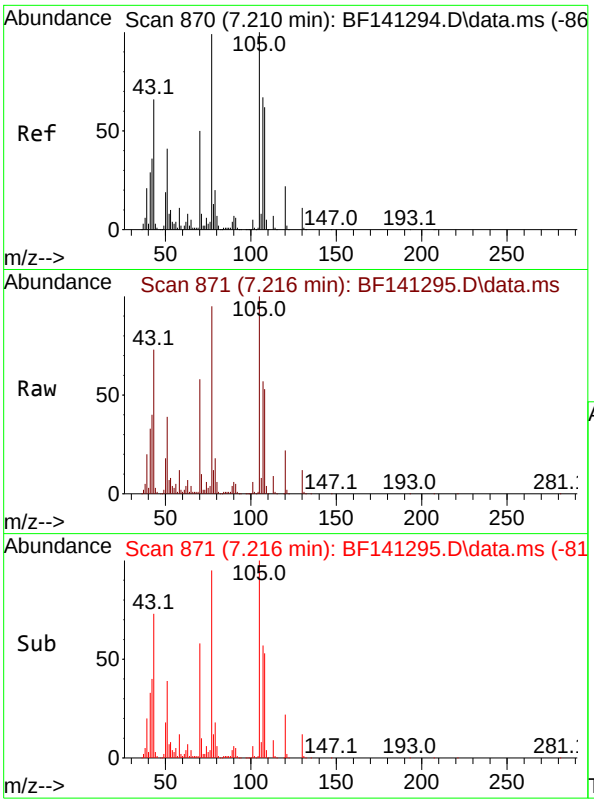



#18
Hexachloroethane
Concen: 49.073 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:117 Resp: 182933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.8 | 76.6 | 114.8 |
| 201 | 92.7 | 74.8 | 112.2 |

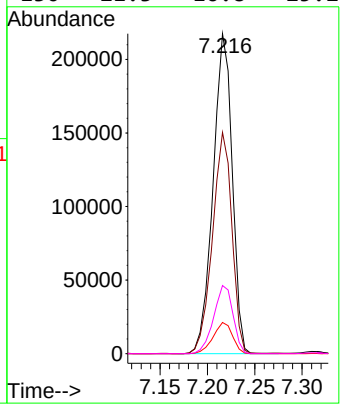





#19
n-Nitroso-di-n-propylamine
Concen: 47.753 ng
RT: 7.216 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 70 Resp: 30574

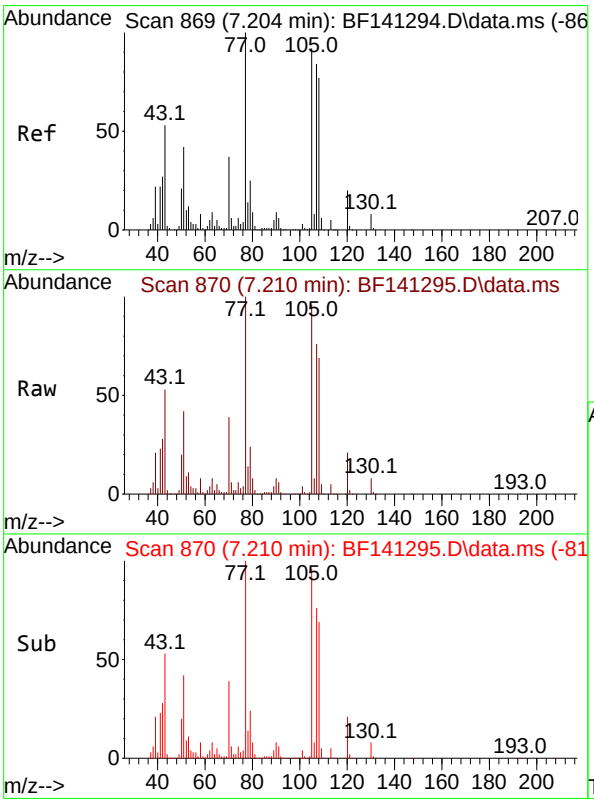
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 69.2 | 56.8 | 85.2 |
| 101 | 9.7 | 7.7 | 11.5 |
| 130 | 21.3 | 16.8 | 25.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

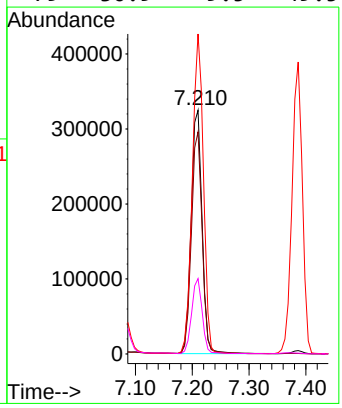
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

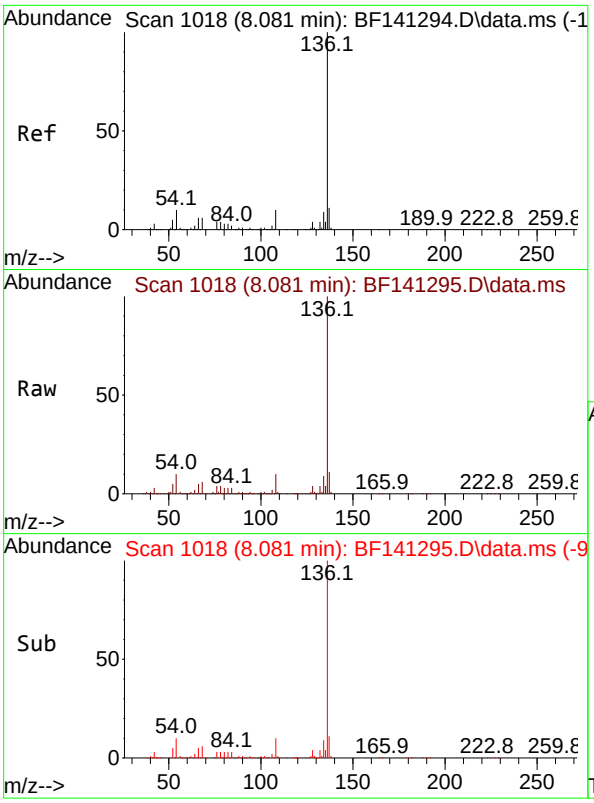



#20
3+4-Methylphenols
Concen: 48.143 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:107 Resp: 434743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.2 | 70.9 | 110.9 |
| 77 | 131.3 | 98.5 | 138.5 |
| 79 | 30.9 | 9.5 | 49.5 |

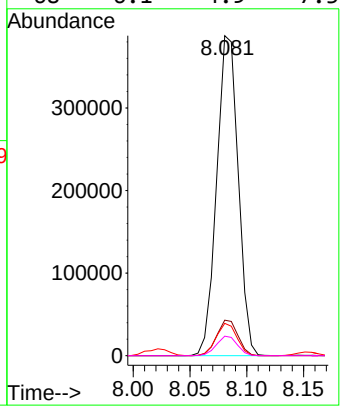





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:136 Resp: 51184

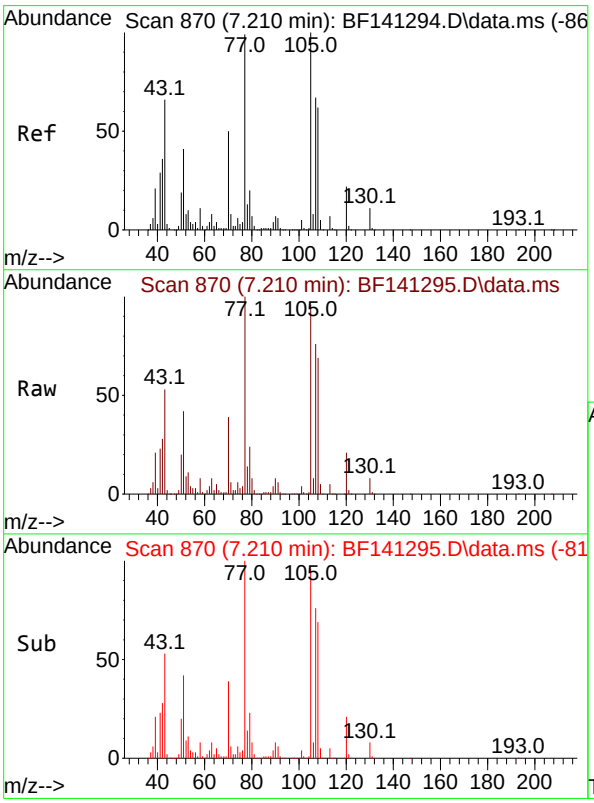
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.6 | 13.0 |
| 54 | 10.1 | 7.8 | 11.8 |
| 68 | 6.1 | 4.9 | 7.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

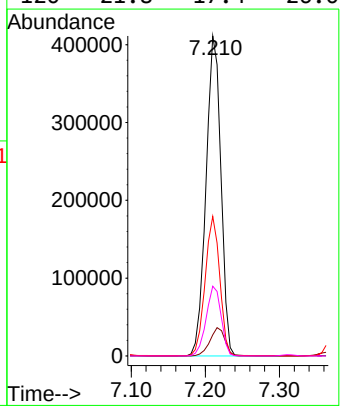
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

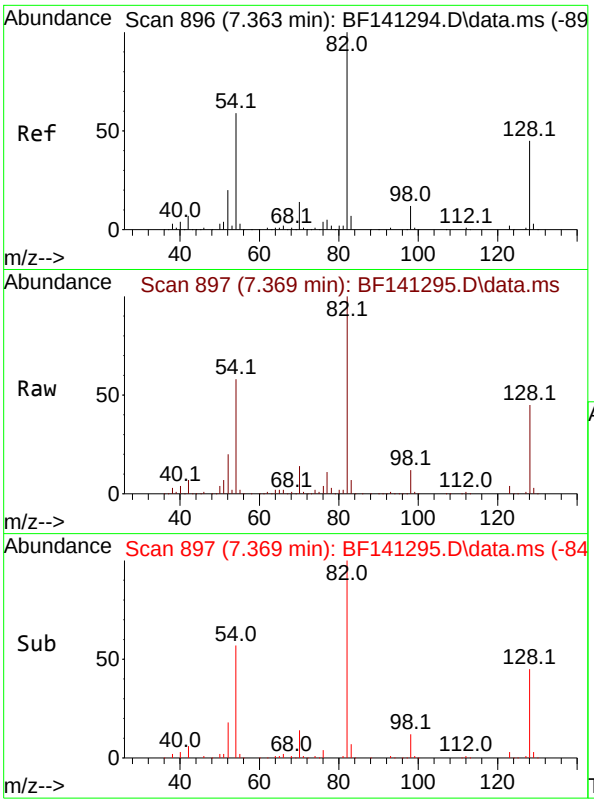



#22
Acetophenone
Concen: 47.365 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:105 Resp: 574700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.6 | 6.8 | 10.2# |
| 51 | 43.6 | 32.6 | 49.0 |
| 120 | 21.8 | 17.4 | 26.0 |

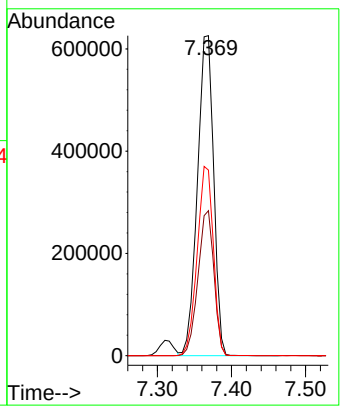





#23
Nitrobenzene-d5
Concen: 98.761 ng
RT: 7.369 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 82 Resp: 95536

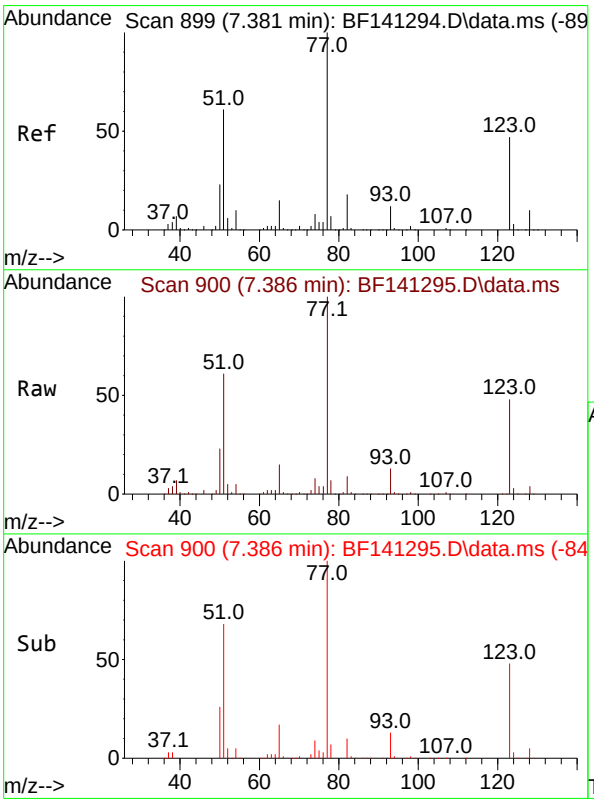
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.3 | 35.7 | 53.5 |
| 54 | 58.0 | 47.1 | 70.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

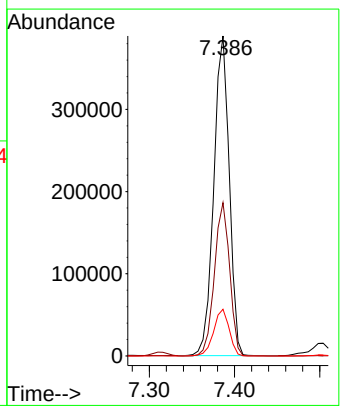
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

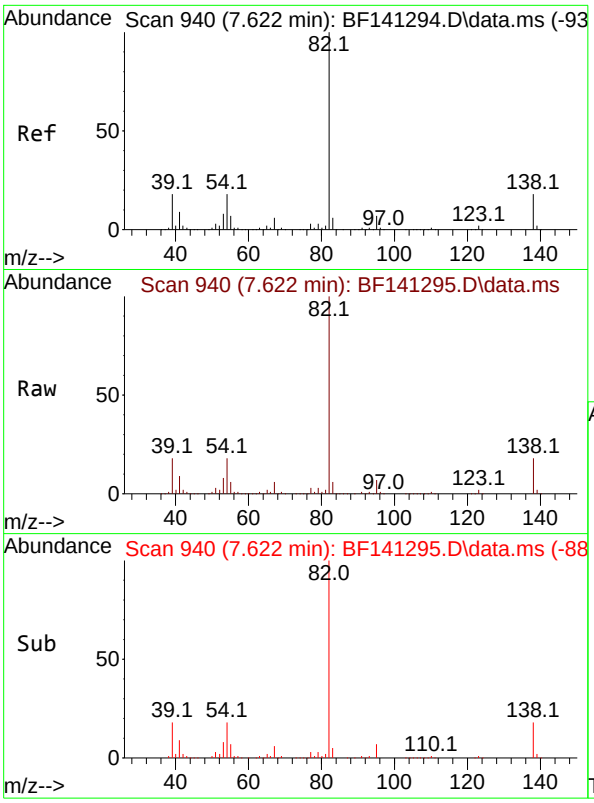



#24
Nitrobenzene
Concen: 49.046 ng
RT: 7.386 min Scan# 900
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 77 Resp: 492082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.9 | 37.3 | 55.9 |
| 65 | 14.6 | 11.8 | 17.6 |

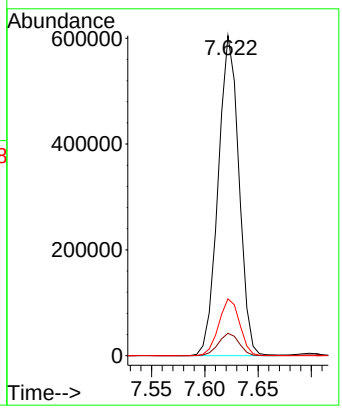





#25
Isophorone
Concen: 48.959 ng
RT: 7.622 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 82 Resp: 81849

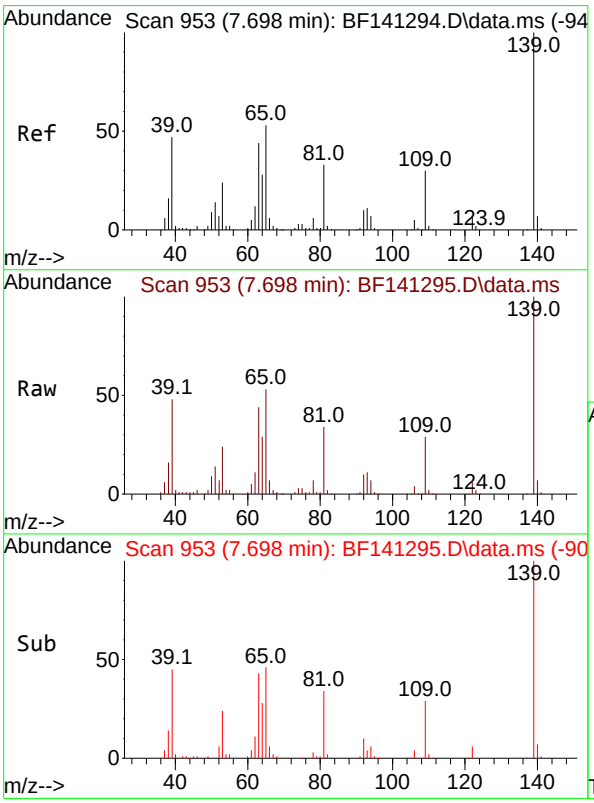
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.0 | 5.8 | 8.6 |
| 138 | 17.7 | 14.7 | 22.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

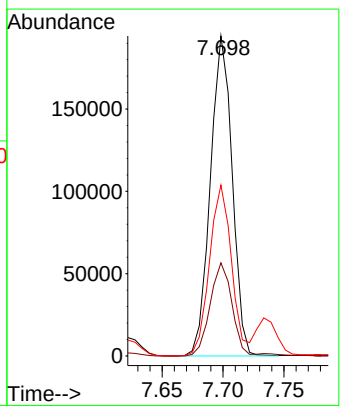
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

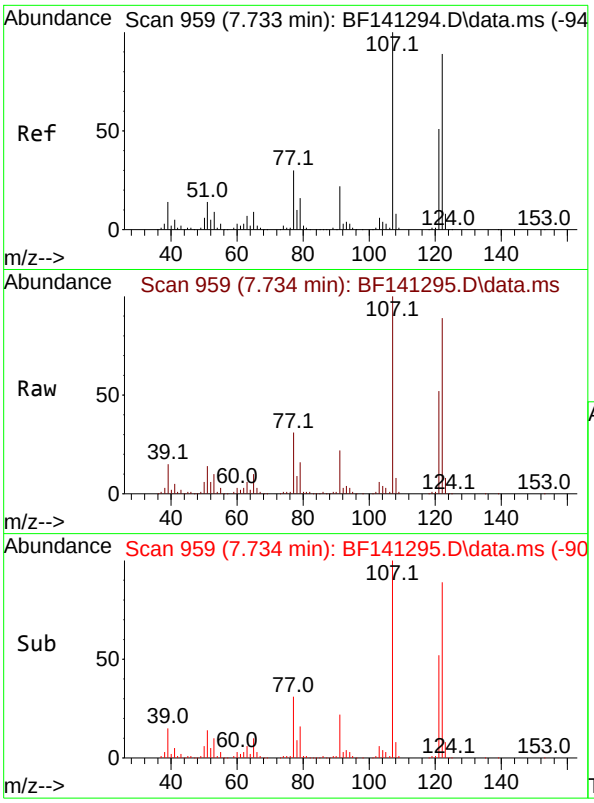



#26
2-Nitrophenol
Concen: 51.545 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:139 Resp: 242228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.1 | 23.8 | 35.6 |
| 65 | 53.4 | 42.2 | 63.4 |

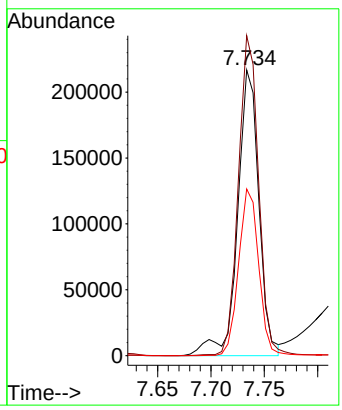





#27
2,4-Dimethylphenol
Concen: 49.969 ng m
RT: 7.734 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:122 Resp: 30007

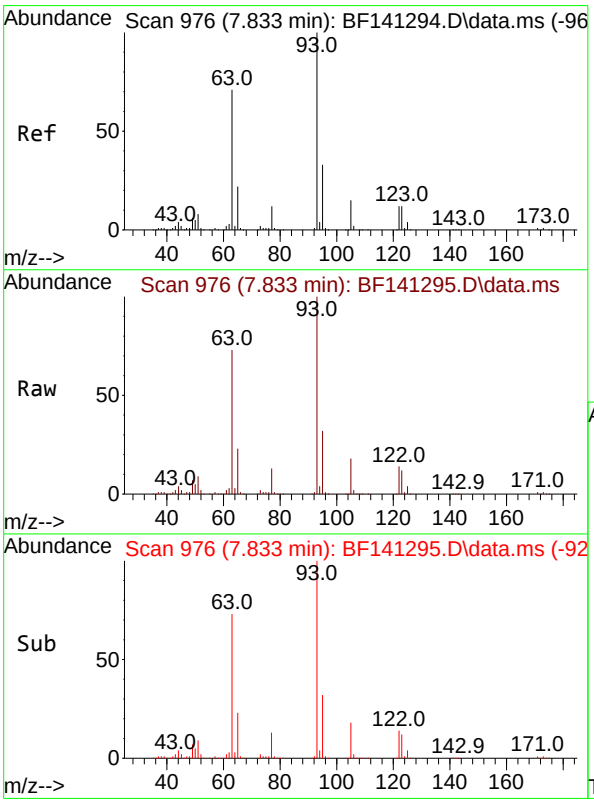
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.0 | 89.9 | 134.9 |
| 121 | 58.3 | 46.1 | 69.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

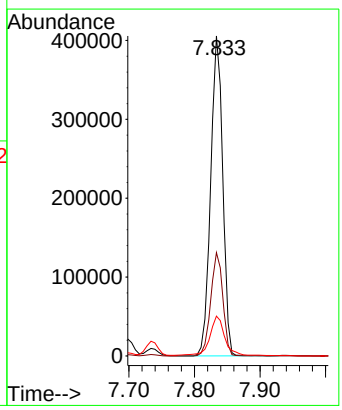
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

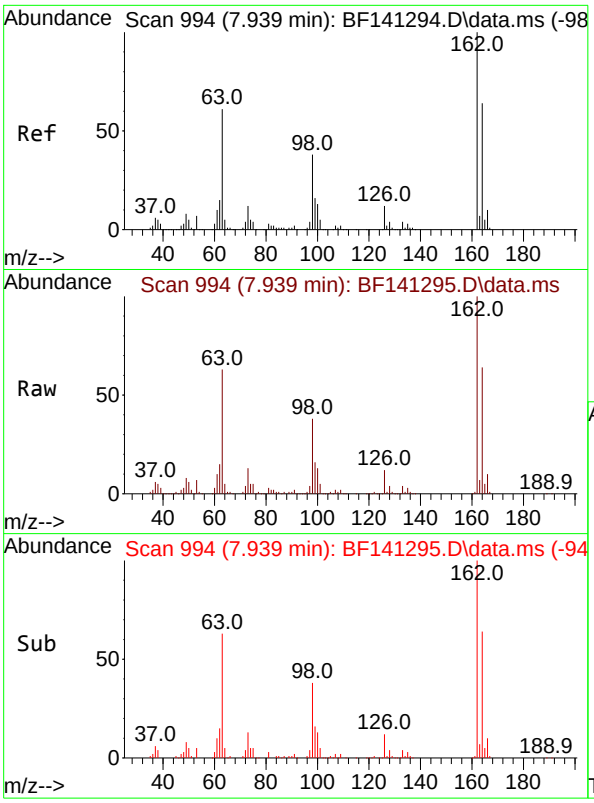



#28
bis(2-Chloroethoxy)methane
Concen: 48.701 ng
RT: 7.833 min Scan# 976
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 93 Resp: 518825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.3 | 26.2 | 39.2 |
| 123 | 12.4 | 10.2 | 15.4 |






#29
2,4-Dichlorophenol
Concen: 49.507 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

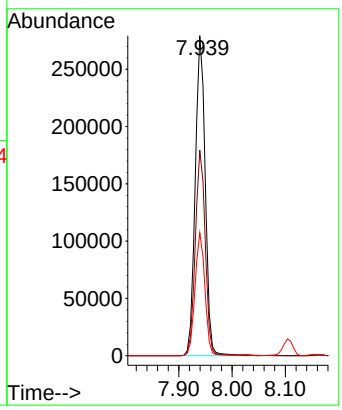
Tgt Ion:162 Resp: 36327

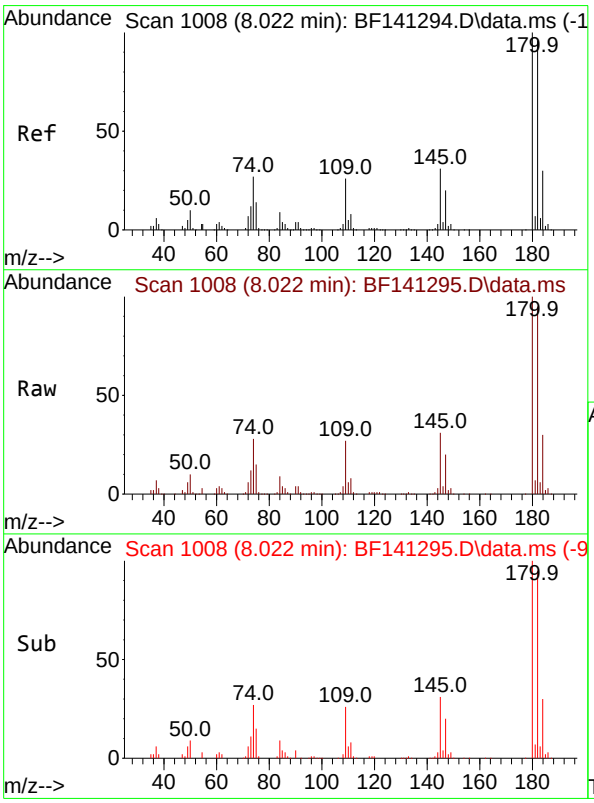
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.2 | 44.2 | 84.2 |
| 98 | 38.4 | 18.2 | 58.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

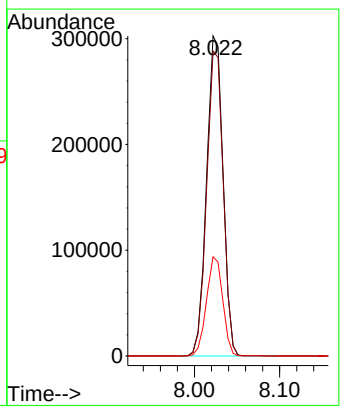


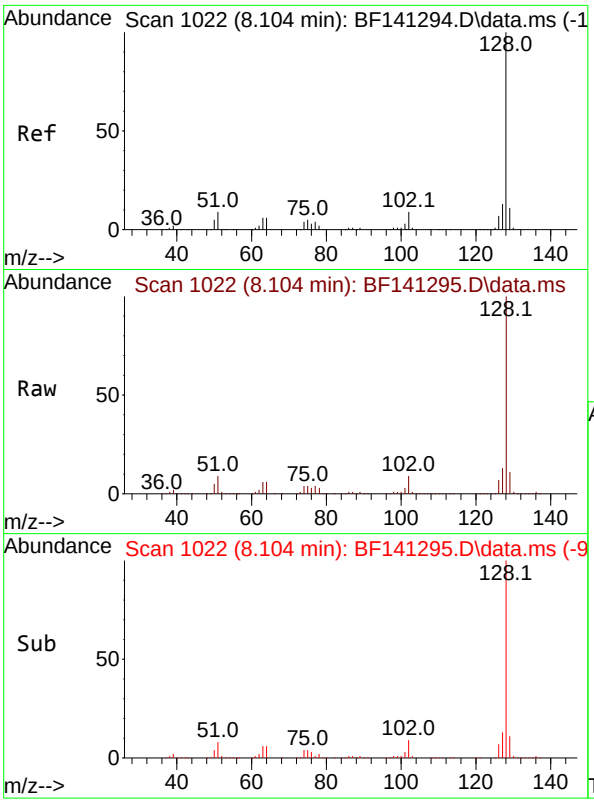




#30
1,2,4-Trichlorobenzene
Concen: 48.309 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:180 Resp: 406562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 76.4 | 114.6 |
| 145 | 31.0 | 24.9 | 37.3 |






#31
Naphthalene
Concen: 48.468 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

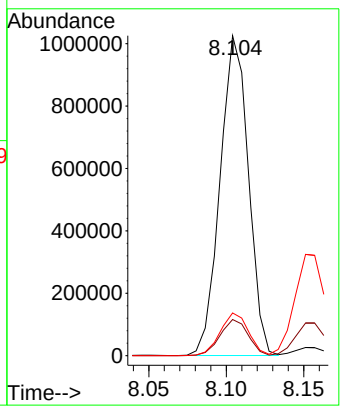
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

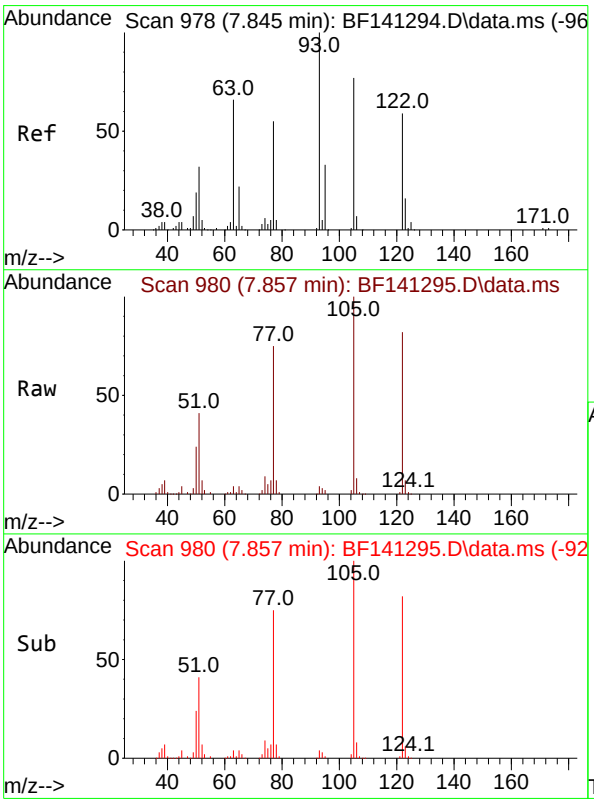
Tgt Ion:128 Resp: 130475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 8.9 | 13.3 |
| 127 | 13.3 | 10.6 | 15.8 |

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

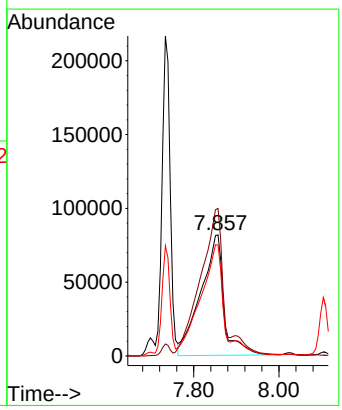


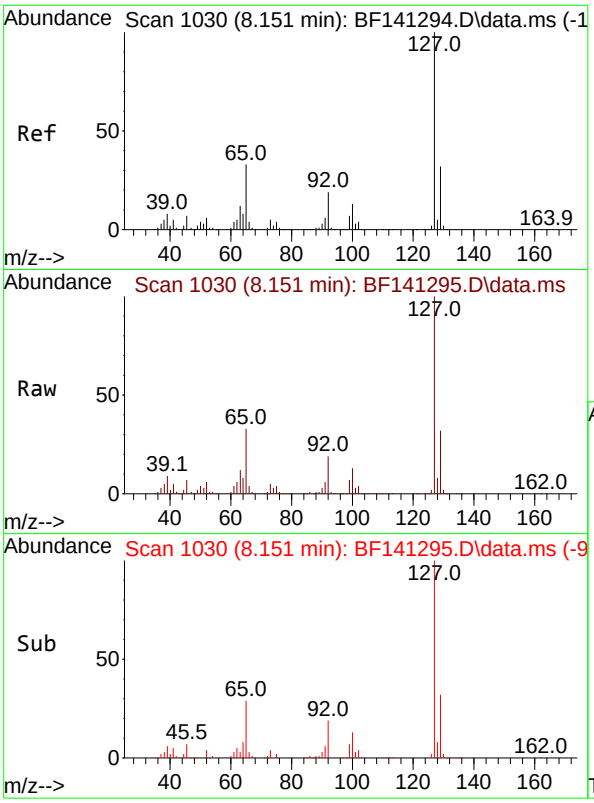




#32
Benzoic acid
Concen: 56.571 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:122 Resp: 308525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 121.7 | 103.4 | 143.4 |
| 77 | 91.5 | 70.9 | 110.9 |

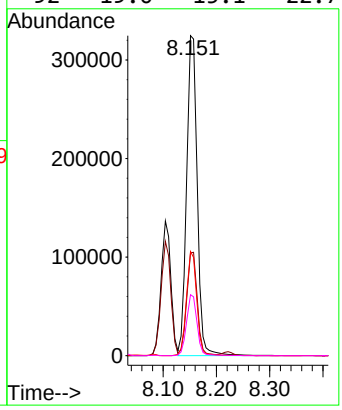





#33
4-Chloroaniline
Concen: 49.712 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:127 Resp: 44954

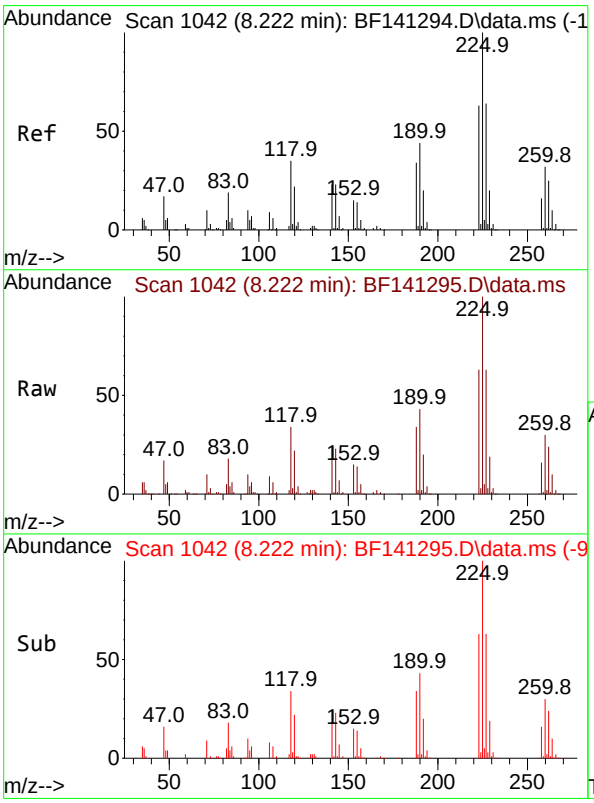
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.2 | 25.7 | 38.5 |
| 65 | 32.6 | 26.4 | 39.6 |
| 92 | 19.0 | 15.1 | 22.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

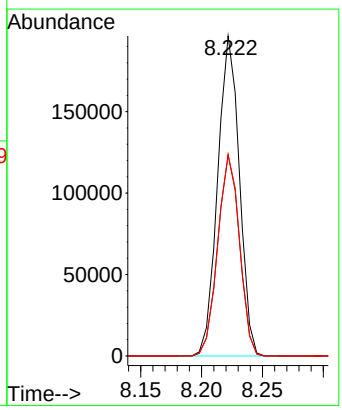
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

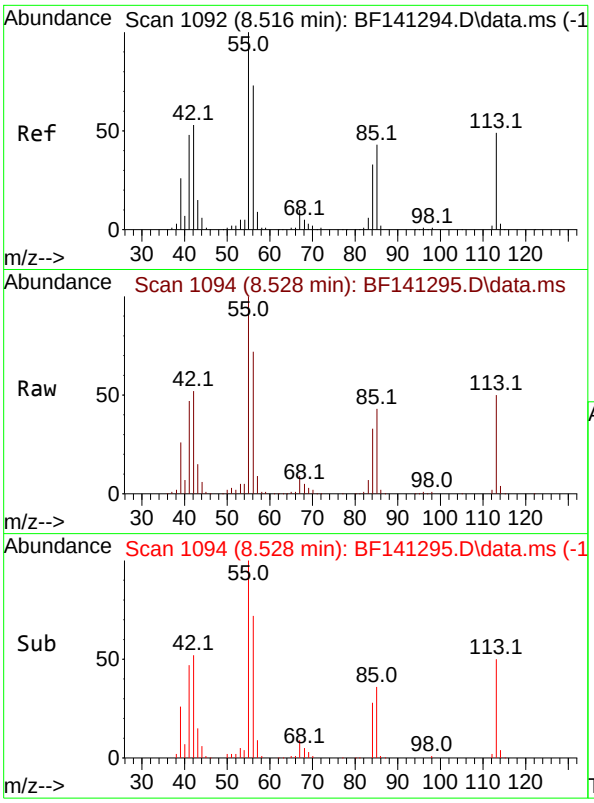



#34
Hexachlorobutadiene
Concen: 49.395 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:225 Resp: 243308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.8 | 50.4 | 75.6 |
| 227 | 62.9 | 51.3 | 76.9 |






#35
Caprolactam
Concen: 50.594 ng
RT: 8.528 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

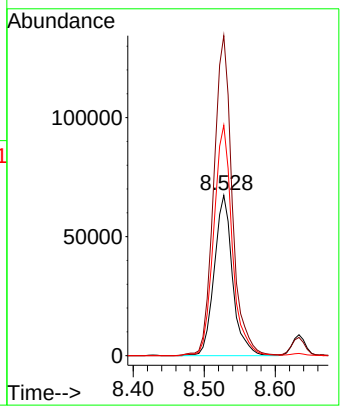
Tgt Ion:113 Resp: 12007

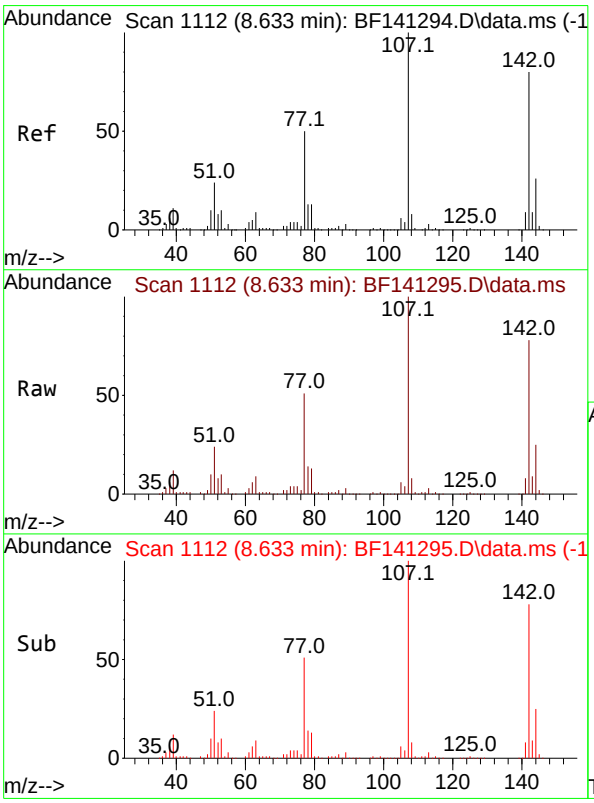
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 199.5 | 182.9 | 222.9 |
| 56 | 143.7 | 127.9 | 167.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

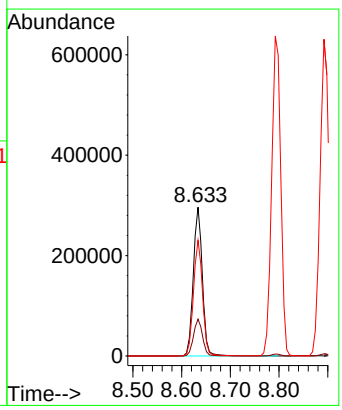


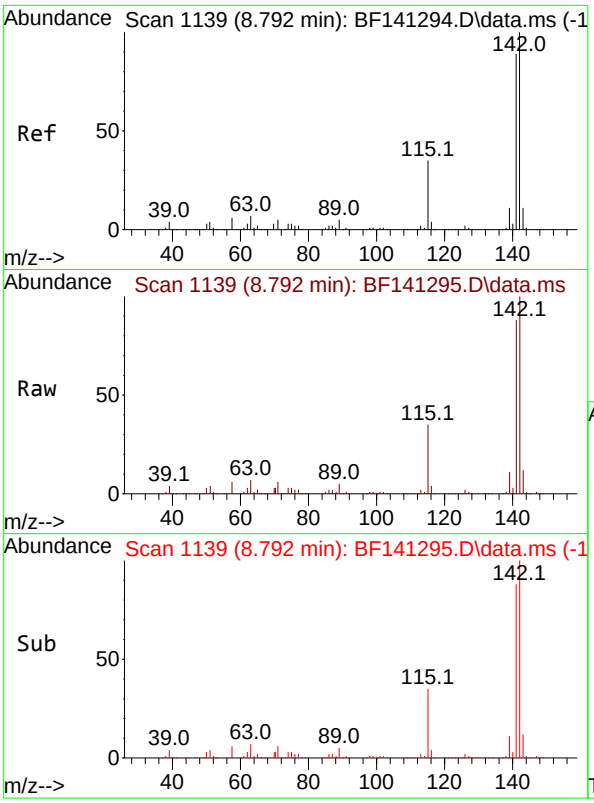




#36
4-Chloro-3-methylphenol
Concen: 48.973 ng
RT: 8.633 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:107 Resp: 385683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.8 | 20.7 | 31.1 |
| 142 | 77.7 | 63.8 | 95.8 |






#37
2-Methylnaphthalene
Concen: 48.006 ng
RT: 8.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

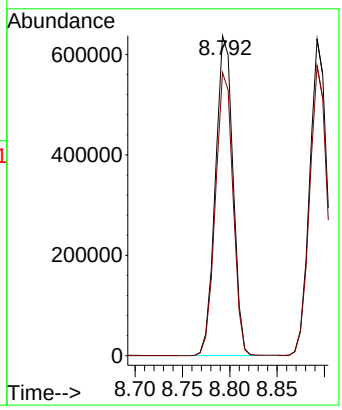
Tgt Ion:142 Resp: 82298

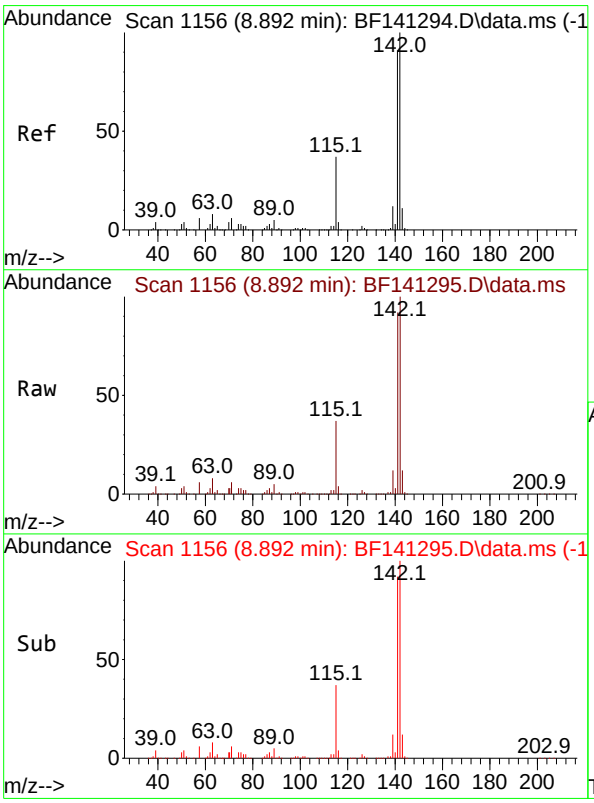
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.5 | 71.3 | 106.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

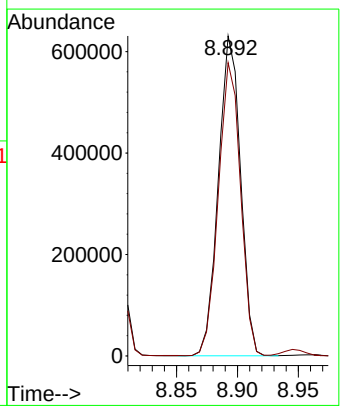


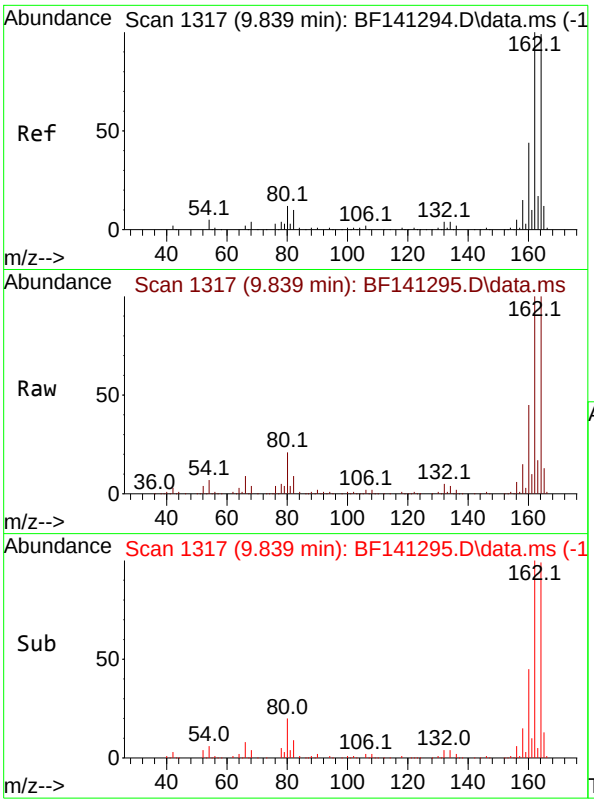




#38
1-Methylnaphthalene
Concen: 47.586 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:142 Resp: 799136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.6 | 73.2 | 109.8 |

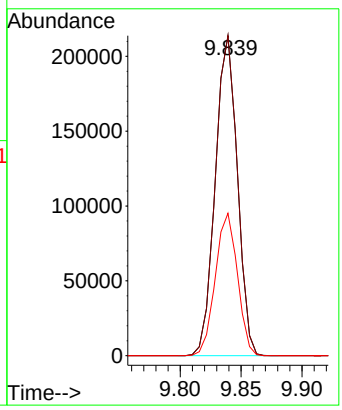





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:164 Resp: 26966

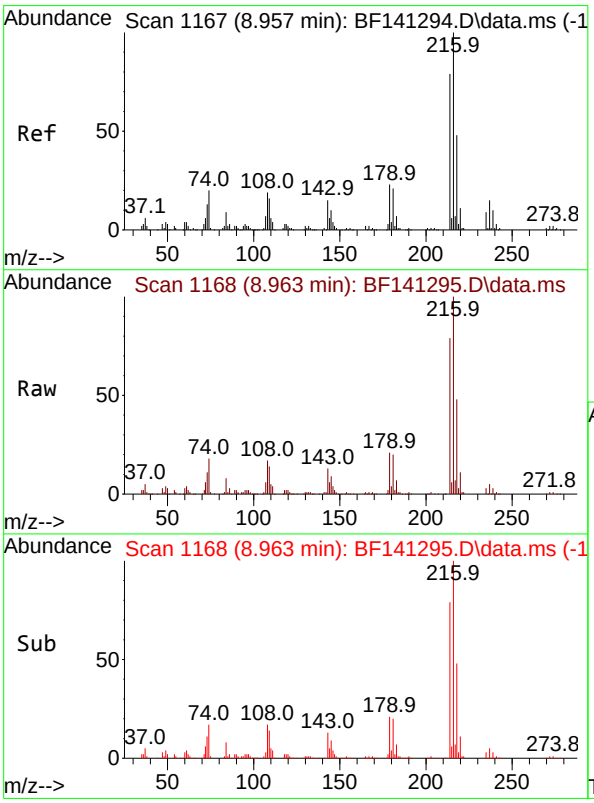
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.1 | 80.6 | 121.0 |
| 160 | 44.5 | 35.8 | 53.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

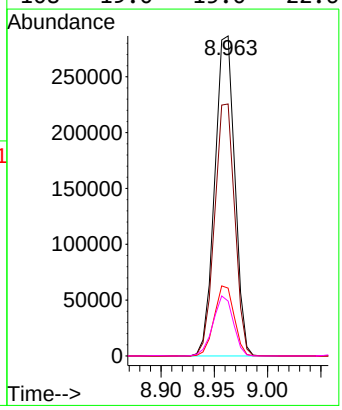
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

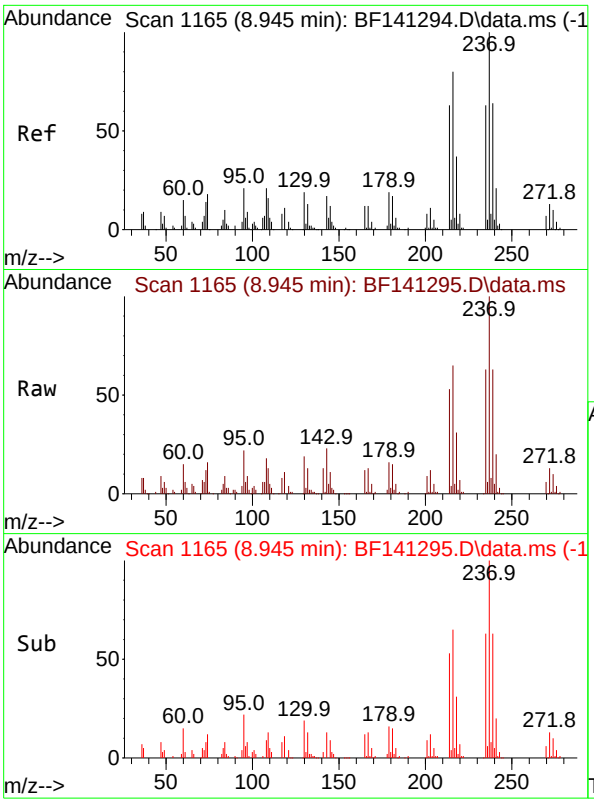



#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.774 ng
RT: 8.963 min Scan# 1168
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:216 Resp: 373963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.0 | 63.2 | 94.8 |
| 179 | 21.7 | 17.8 | 26.8 |
| 108 | 19.0 | 15.0 | 22.6 |

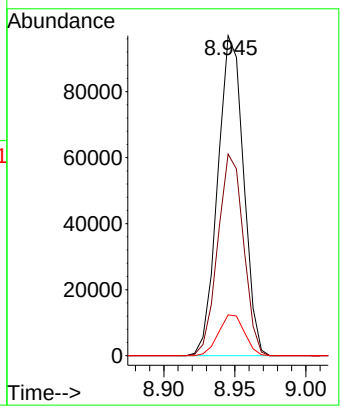





#41
Hexachlorocyclopentadiene
Concen: 53.227 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:237 Resp: 12247

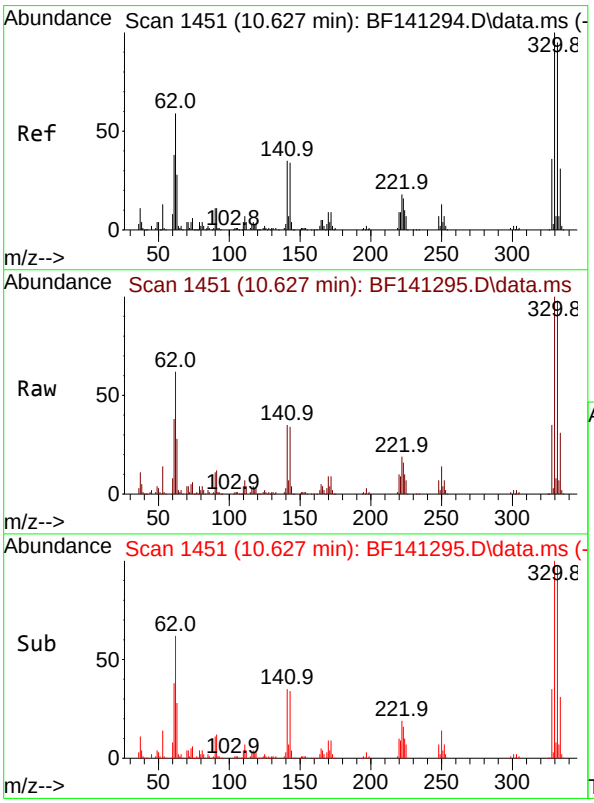
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.0 | 42.9 | 82.9 |
| 272 | 12.7 | 0.0 | 32.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

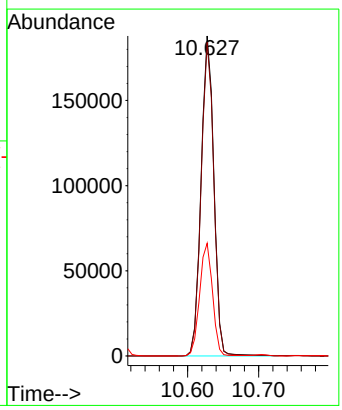
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

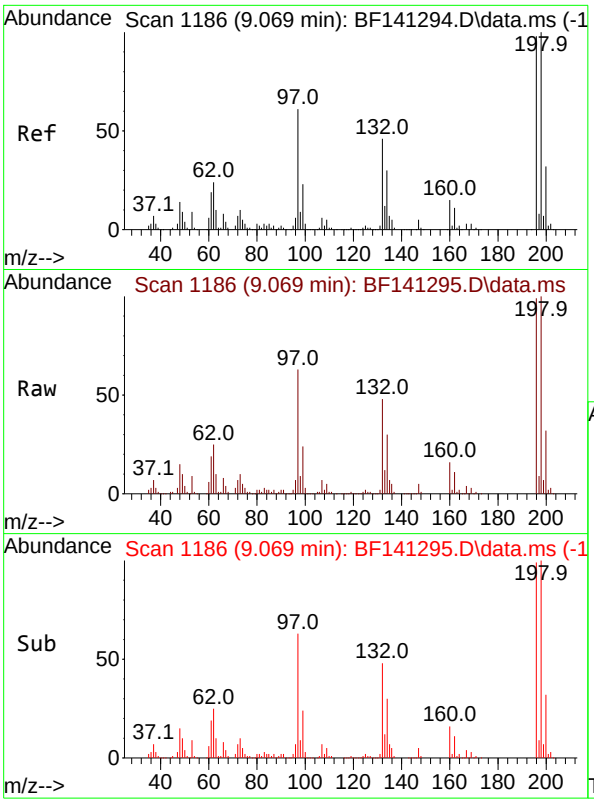



#42
2,4,6-Tribromophenol
Concen: 95.997 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:330 Resp: 235884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.5 | 76.1 | 114.1 |
| 141 | 35.4 | 28.8 | 43.2 |

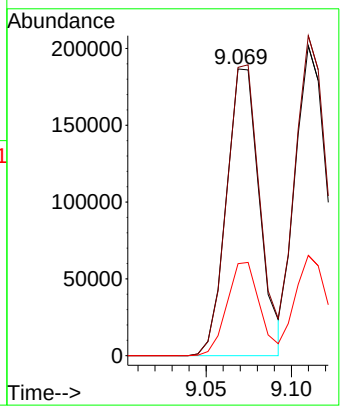





#43
2,4,6-Trichlorophenol
Concen: 50.545 ng
RT: 9.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:196 Resp: 25297

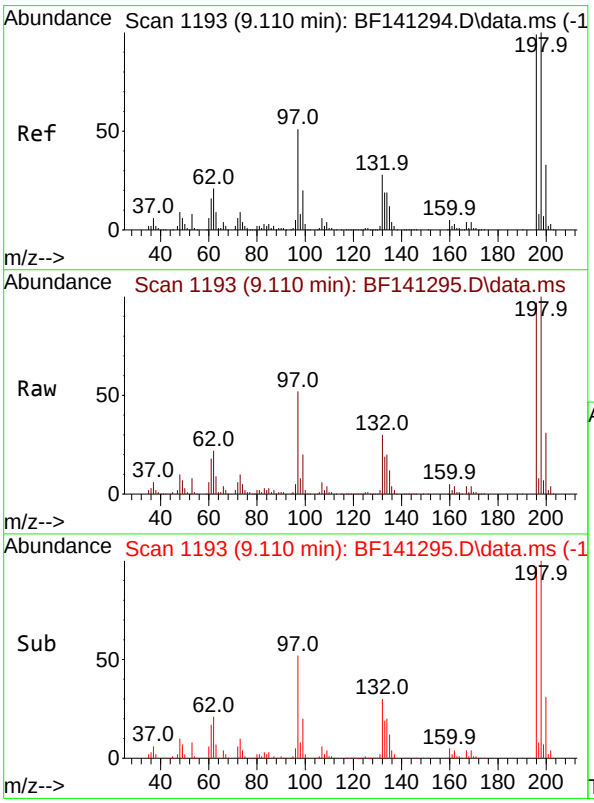
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.5 | 81.8 | 122.6 |
| 200 | 32.1 | 26.3 | 39.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

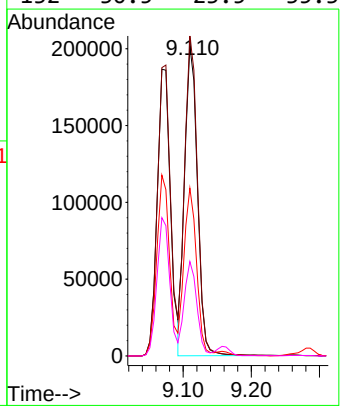
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

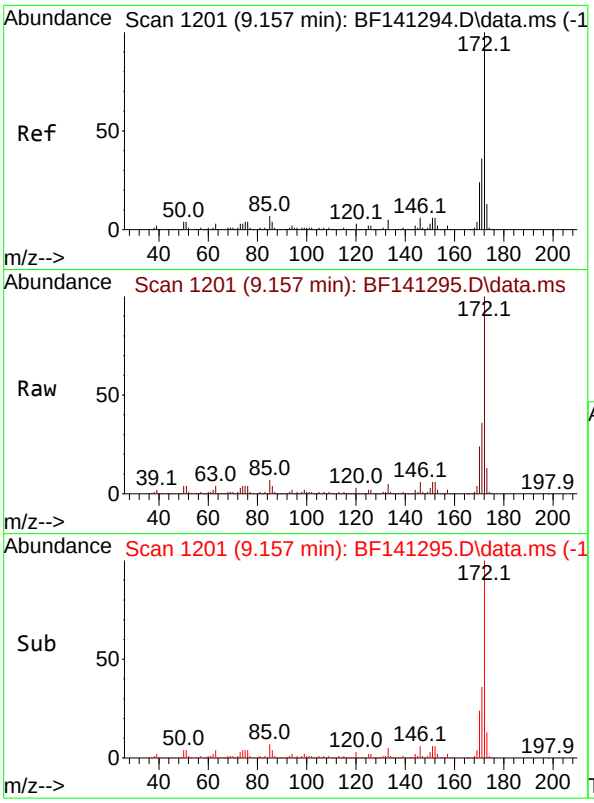



#44
2,4,5-Trichlorophenol
Concen: 48.438 ng
RT: 9.110 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:196 Resp: 263745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 103.2 | 80.5 | 120.7 |
| 97 | 54.1 | 42.8 | 64.2 |
| 132 | 30.5 | 23.5 | 35.3 |






#45
2-Fluorobiphenyl
Concen: 92.721 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

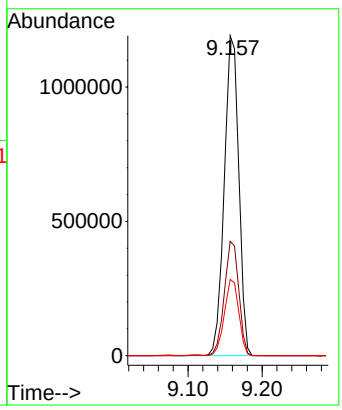
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

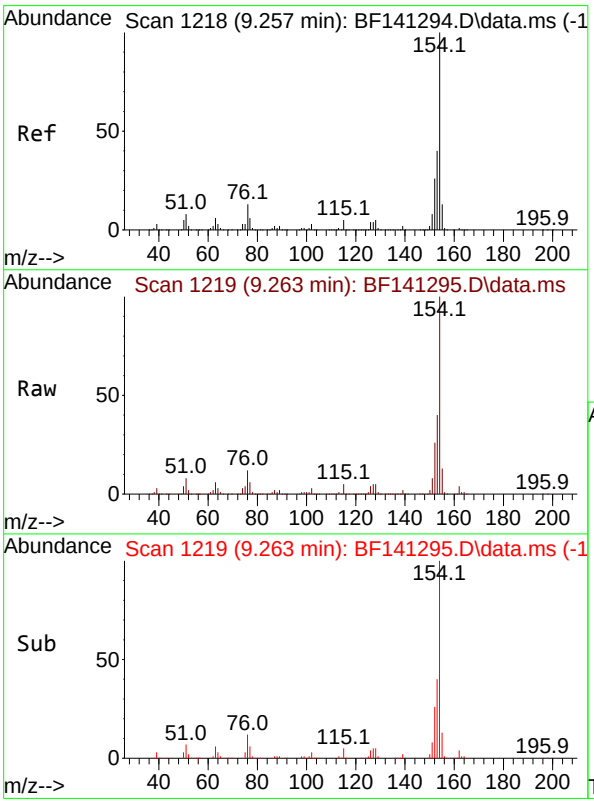
Tgt Ion:172 Resp: 162082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.7 | 28.8 | 43.2 |
| 170 | 23.8 | 19.0 | 28.6 |

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

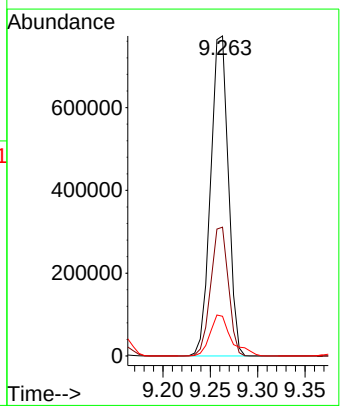


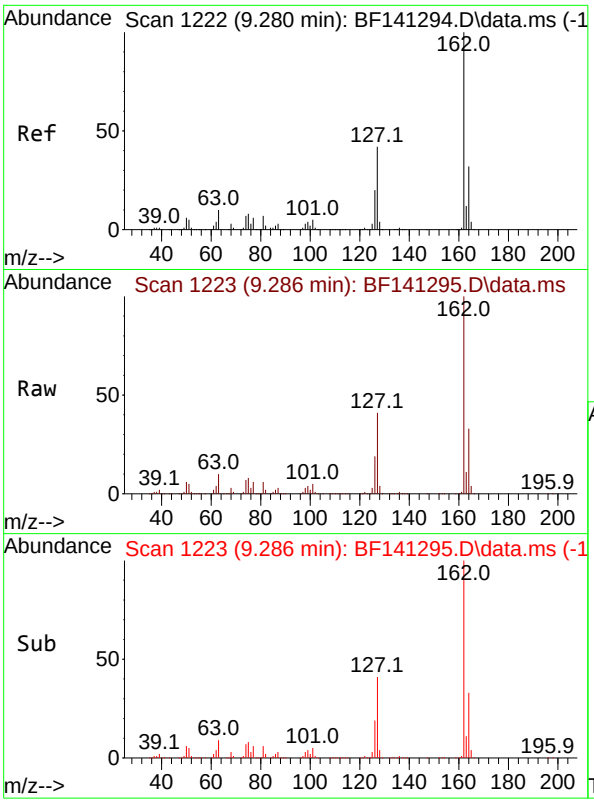




#46
1,1'-Biphenyl
Concen: 47.808 ng
RT: 9.263 min Scan# 1219
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:154 Resp: 1005774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.3 | 20.0 | 60.0 |
| 76 | 12.4 | 0.0 | 32.8 |

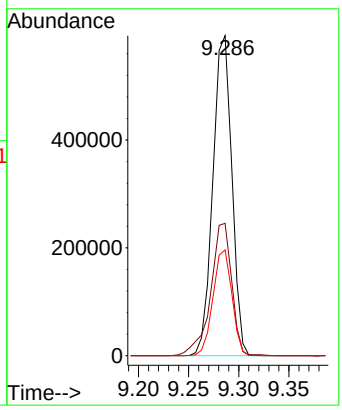





#47
2-Chloronaphthalene
Concen: 47.835 ng
RT: 9.286 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:162 Resp: 78161

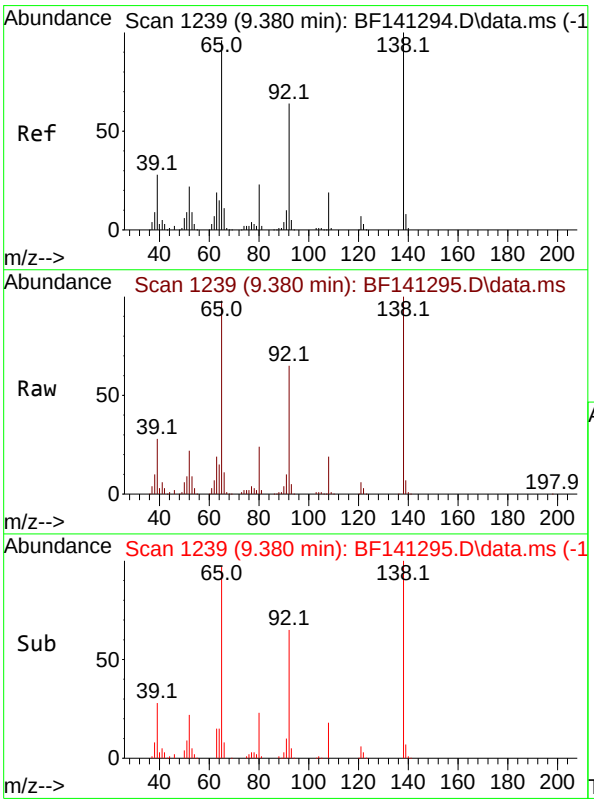
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.3 | 33.7 | 50.5 |
| 164 | 33.0 | 25.9 | 38.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

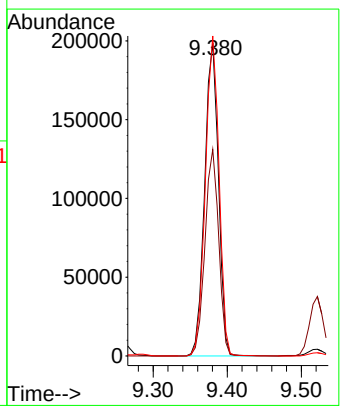
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

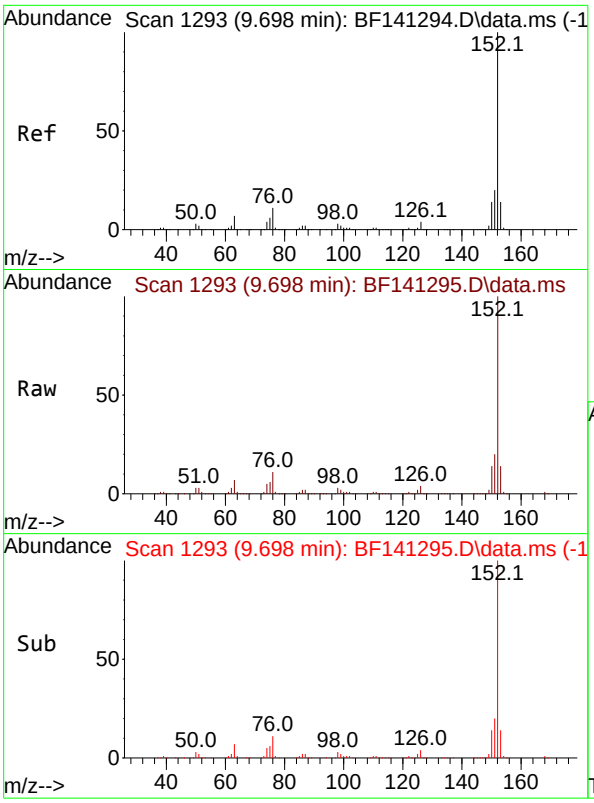



#48
2-Nitroaniline
Concen: 49.907 ng
RT: 9.380 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 65 Resp: 257199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 66.0 | 53.3 | 79.9 |
| 138 | 102.3 | 83.6 | 125.4 |






#49
Acenaphthylene
Concen: 47.595 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

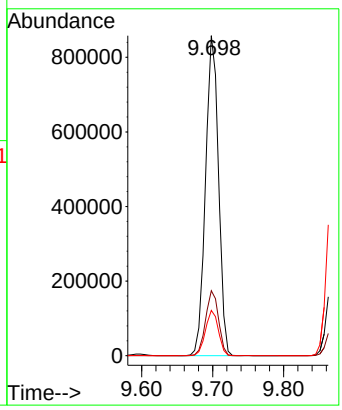
Tgt Ion:152 Resp: 109223

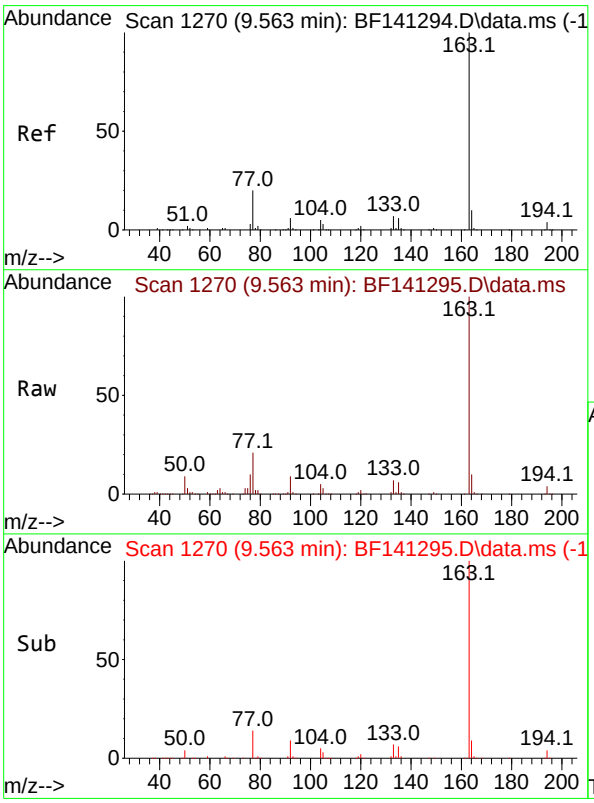
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.2 | 24.2 |
| 153 | 14.2 | 11.0 | 16.6 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

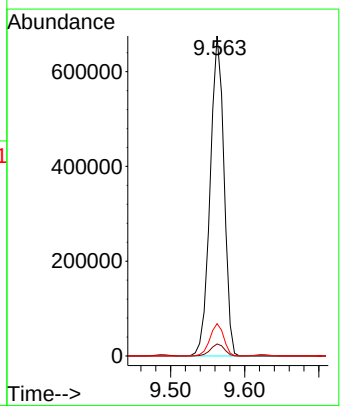


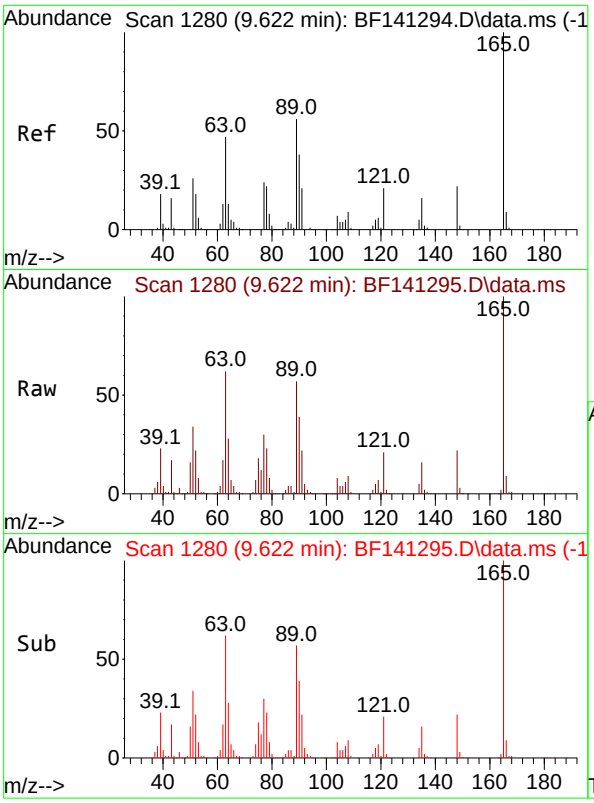




#50
Dimethylphthalate
Concen: 48.419 ng
RT: 9.563 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:163 Resp: 875569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.6 |
| 164 | 10.1 | 8.0 | 12.0 |






#51
2,6-Dinitrotoluene
Concen: 48.697 ng
RT: 9.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

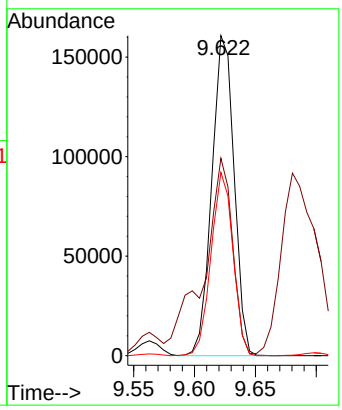
Tgt Ion:165 Resp: 20491

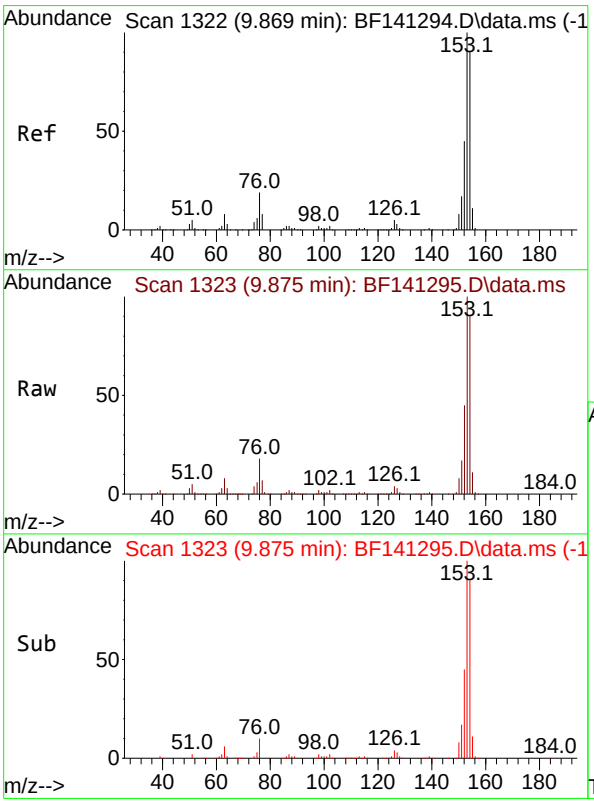
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.7 | 48.1 | 72.1 |
| 89 | 57.3 | 44.9 | 67.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

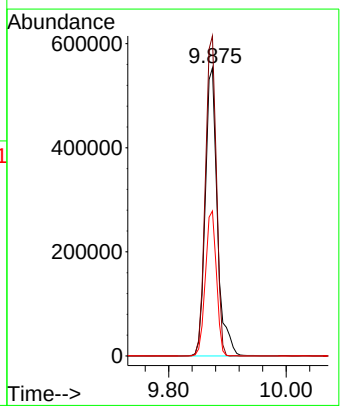


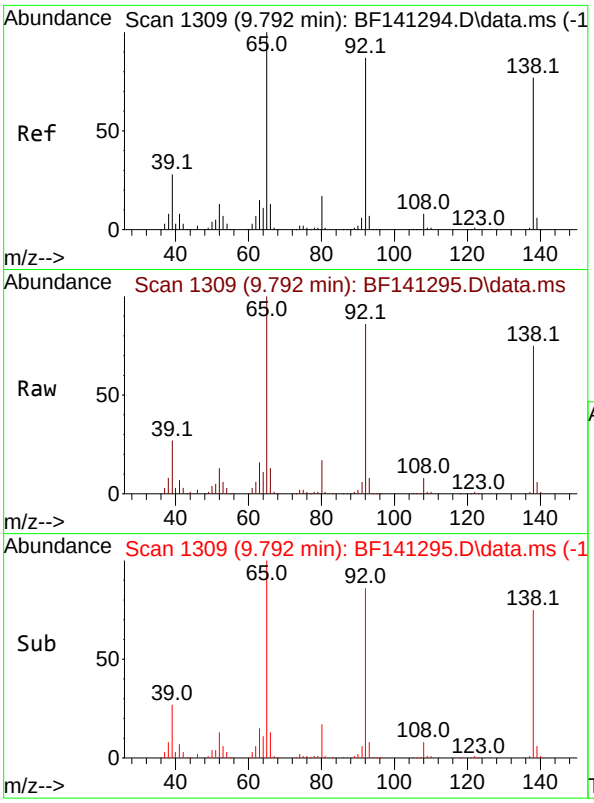




#52
Acenaphthene
Concen: 48.322 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:154 Resp: 789039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.1 | 89.0 | 133.4 |
| 152 | 50.3 | 40.2 | 60.4 |






#53
3-Nitroaniline
Concen: 47.528 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

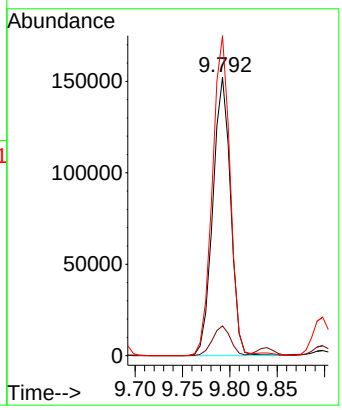
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

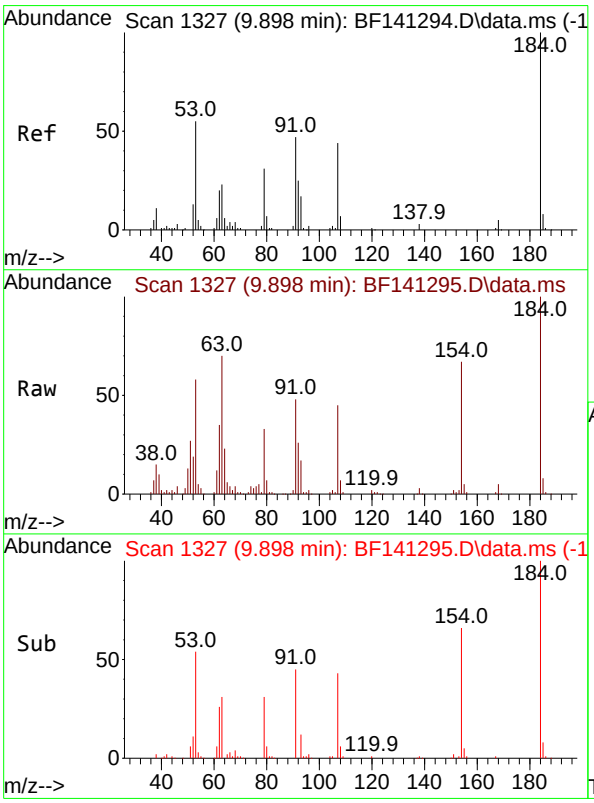
Tgt Ion:138 Resp: 19783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.7 | 8.6 | 12.8 |
| 92 | 115.0 | 91.0 | 136.6 |

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

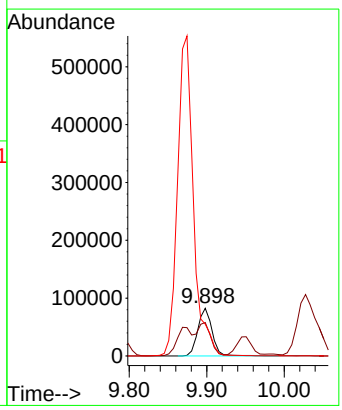


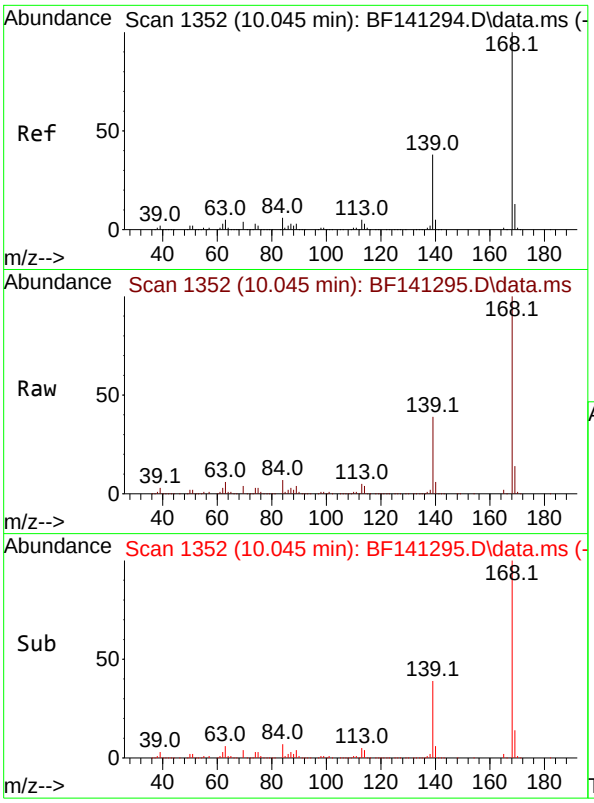




#54
2,4-Dinitrophenol
Concen: 53.096 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:184 Resp: 105313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 70.3 | 54.1 | 81.1 |
| 154 | 66.8 | 50.7 | 76.1 |






#55
Dibenzofuran
Concen: 47.082 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

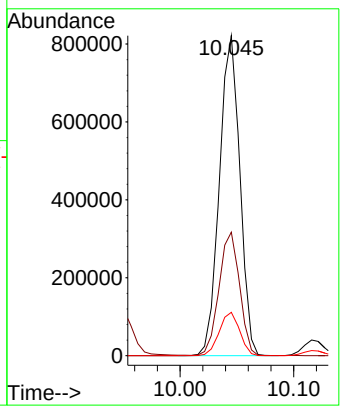
Tgt Ion:168 Resp: 102818

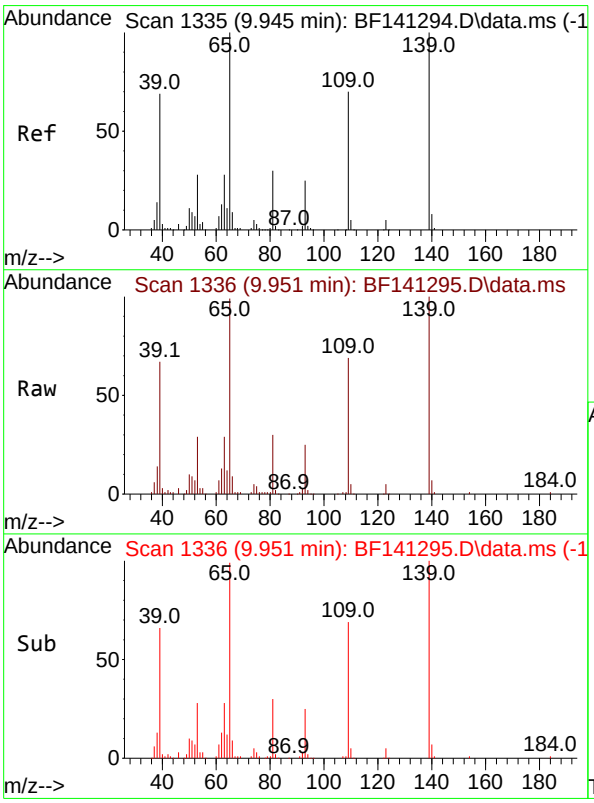
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.6 | 30.6 | 46.0 |
| 169 | 13.6 | 10.8 | 16.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

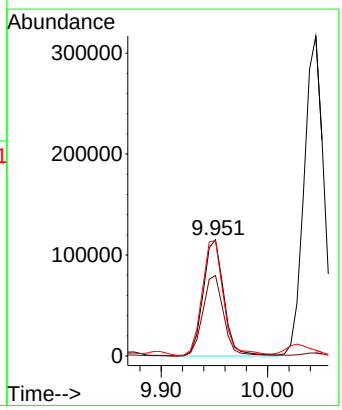


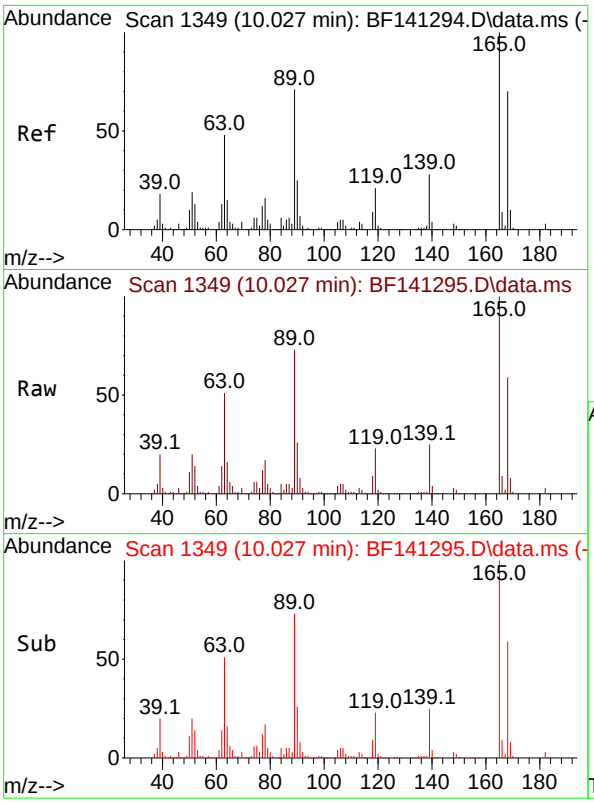




#56
4-Nitrophenol
Concen: 52.067 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:139 Resp: 155594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 69.3 | 50.2 | 90.2 |
| 65 | 99.5 | 80.6 | 120.6 |

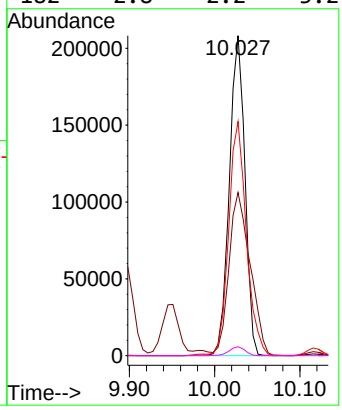





#57
2,4-Dinitrotoluene
Concen: 48.700 ng
RT: 10.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:165 Resp: 26432

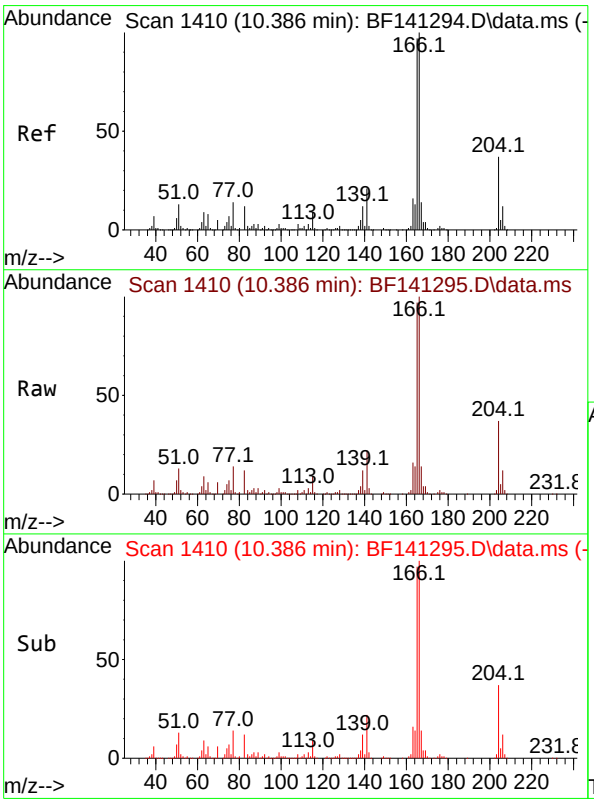
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 51.0 | 39.2 | 58.8 |
| 89 | 73.1 | 56.9 | 85.3 |
| 182 | 2.8 | 2.2 | 3.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

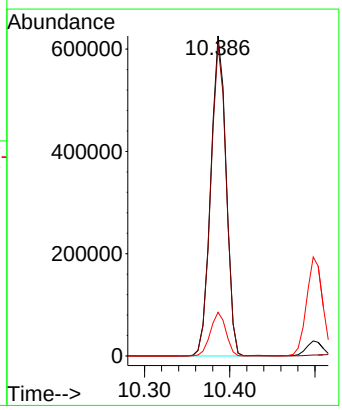
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

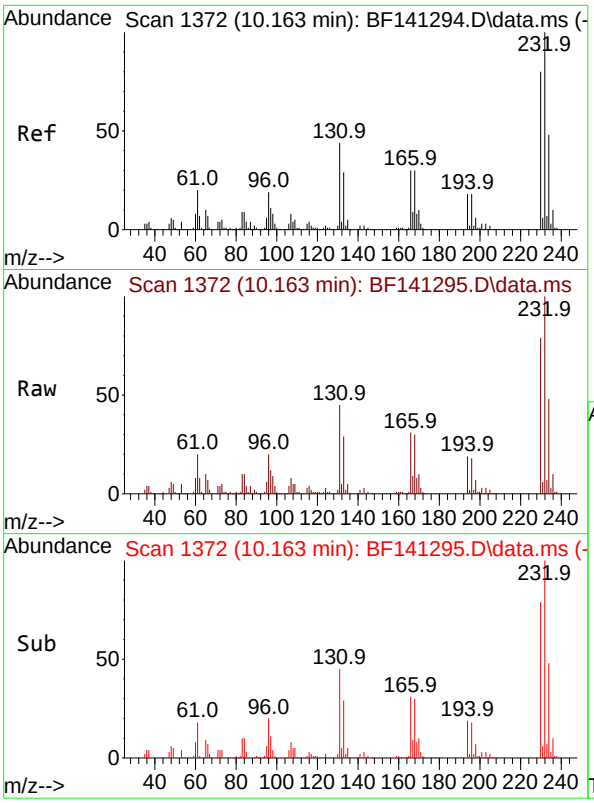



#58
Fluorene
Concen: 46.215 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:166 Resp: 784644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.3 | 77.5 | 116.3 |
| 167 | 13.6 | 10.9 | 16.3 |

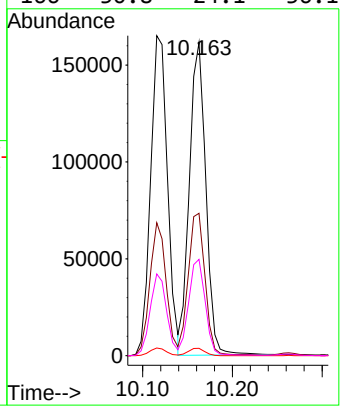





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.772 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:232 Resp: 20550

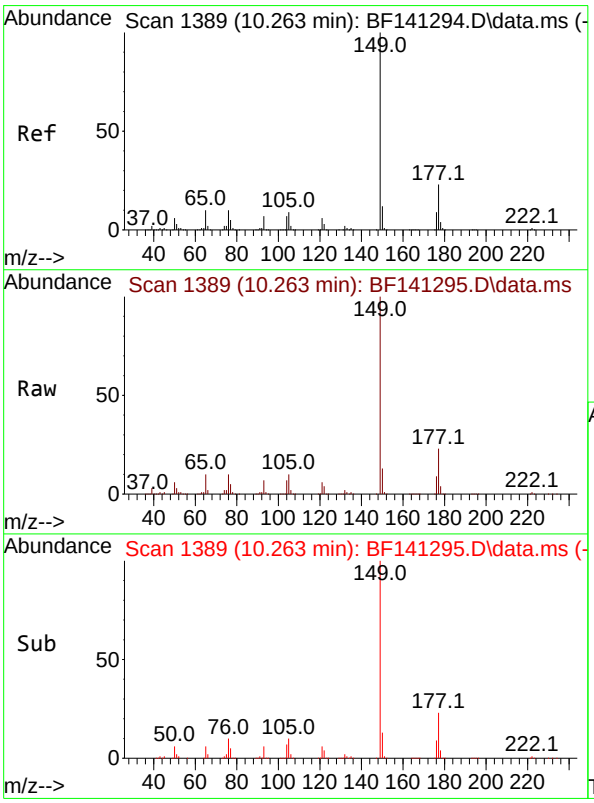
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.9 | 36.4 | 54.6 |
| 130 | 2.4 | 1.9 | 2.9 |
| 166 | 30.8 | 24.1 | 36.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

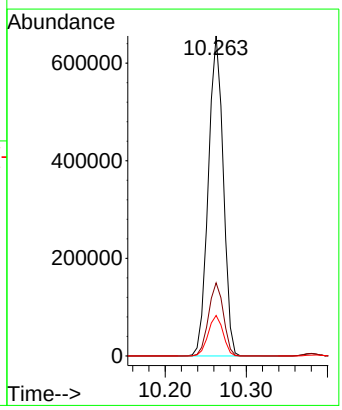
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

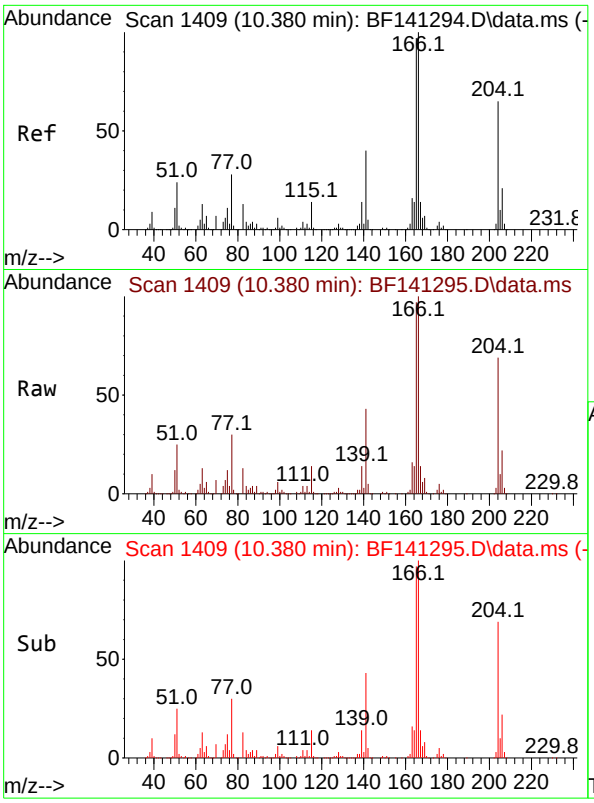



#60
Diethylphthalate
Concen: 47.668 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:149 Resp: 834803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.8 | 18.5 | 27.7 |
| 150 | 12.7 | 10.0 | 15.0 |






#61
4-Chlorophenyl-phenylether
Concen: 45.976 ng
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

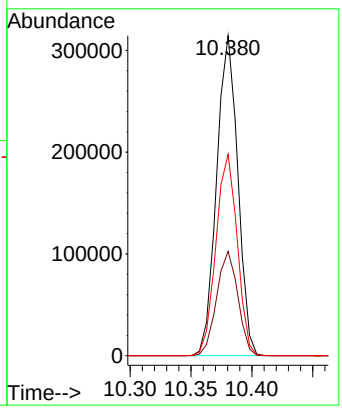
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

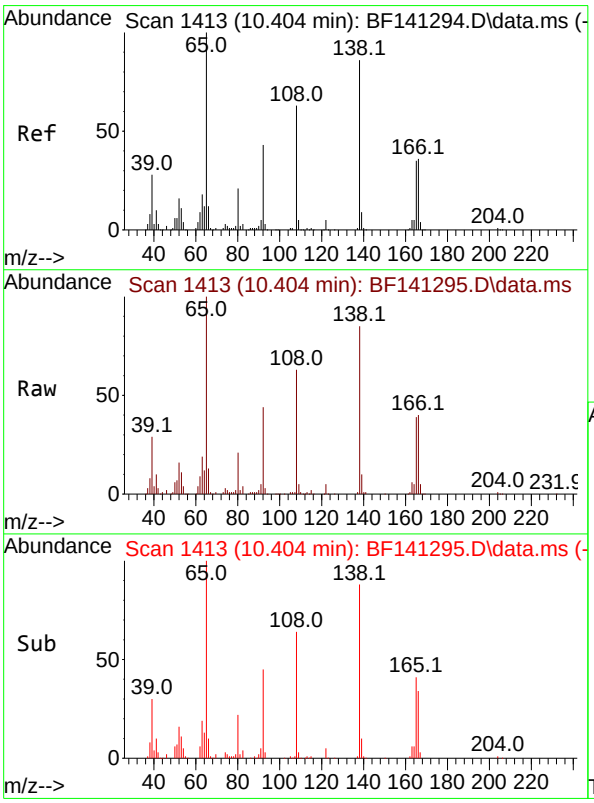
Tgt Ion:204 Resp: 380948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.6 | 25.9 | 38.9 |
| 141 | 62.9 | 49.5 | 74.3 |

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

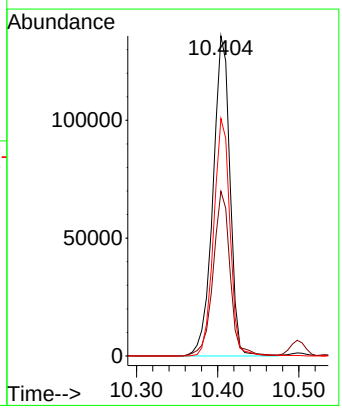


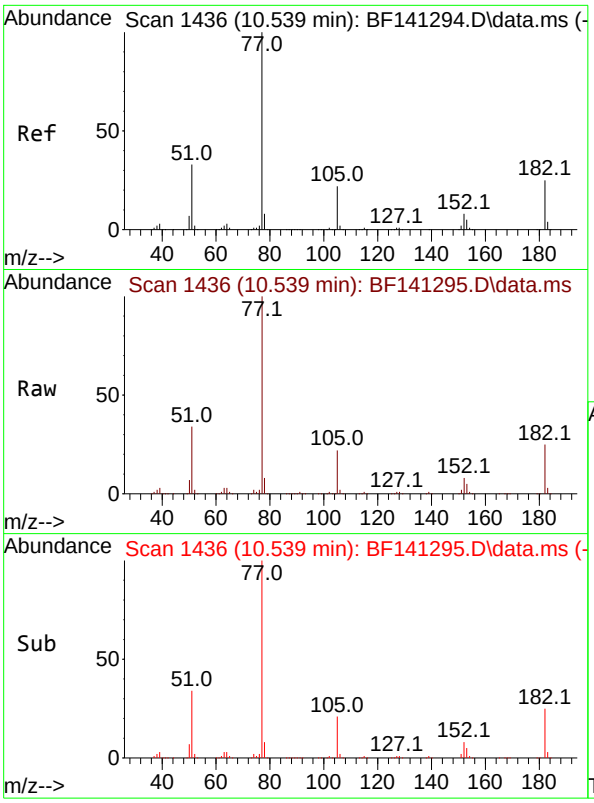




#62
4-Nitroaniline
Concen: 49.579 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:138 Resp: 198241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.5 | 30.1 | 70.1 |
| 108 | 74.2 | 53.1 | 93.1 |

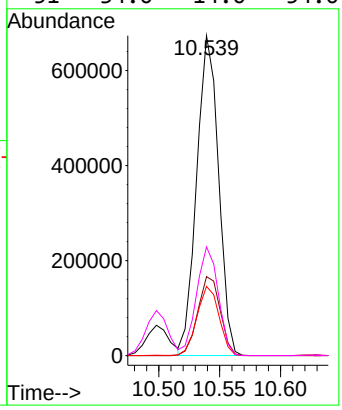





#63
Azobenzene
Concen: 47.955 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 77 Resp: 84179

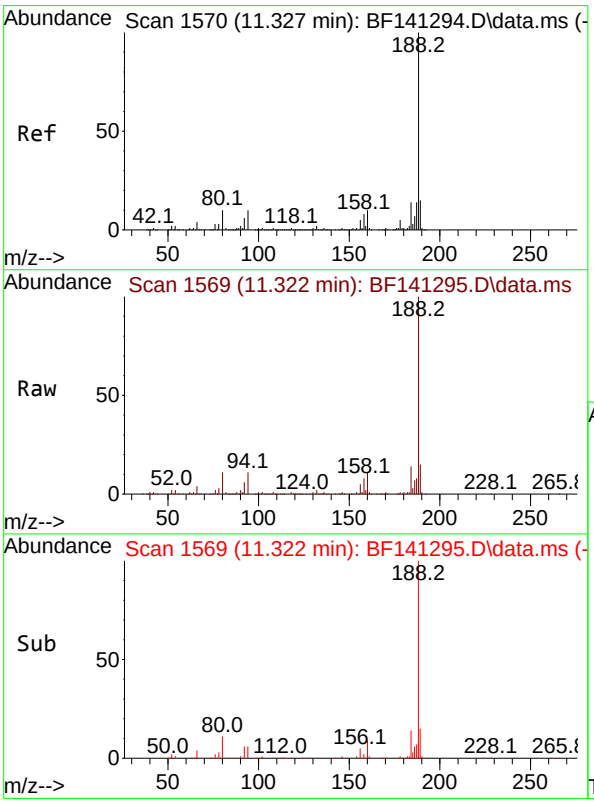
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 24.7 | 5.1 | 45.1 |
| 105 | 21.7 | 1.8 | 41.8 |
| 51 | 34.0 | 14.0 | 54.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

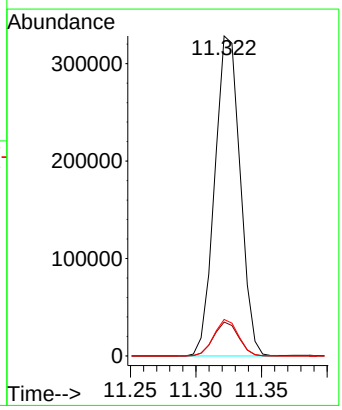
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

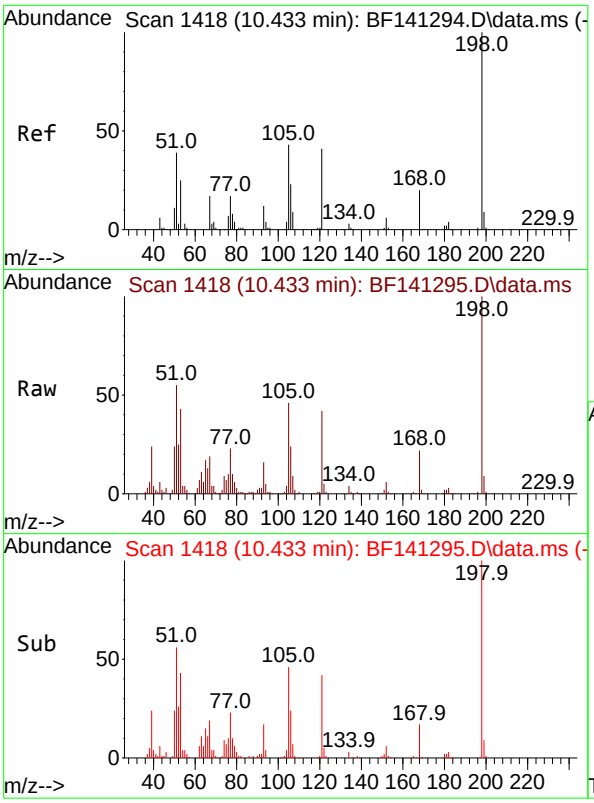



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:188 Resp: 442506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.6 | 7.8 | 11.6 |
| 80 | 11.4 | 8.2 | 12.4 |






#65
4,6-Dinitro-2-methylphenol
Concen: 54.710 ng
RT: 10.433 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

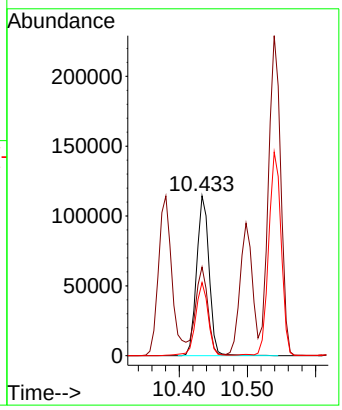
Tgt Ion:198 Resp: 14457

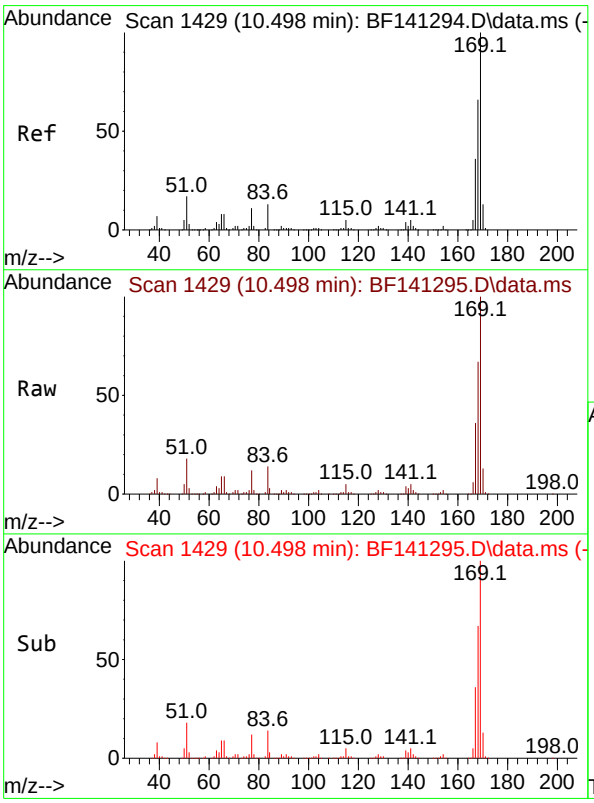
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 55.4 | 33.4 | 73.4 |
| 105 | 45.8 | 24.4 | 64.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

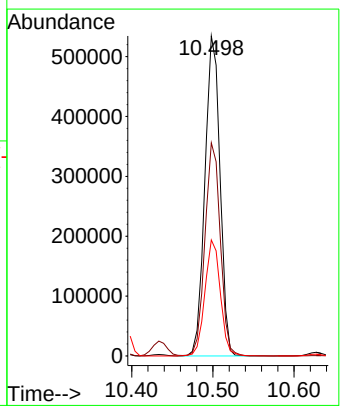


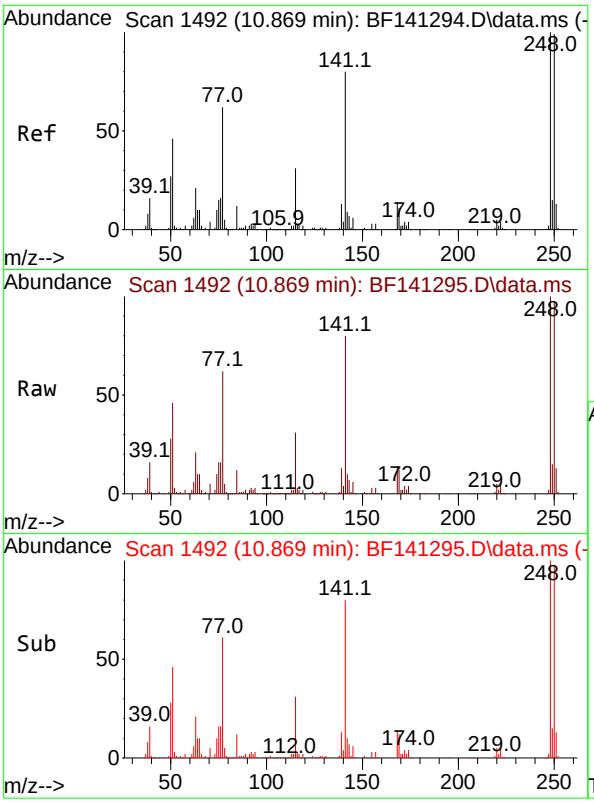




#66
n-Nitrosodiphenylamine
Concen: 47.968 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:169 Resp: 688202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.6 | 53.0 | 79.4 |
| 167 | 36.2 | 28.8 | 43.2 |






#67
4-Bromophenyl-phenylether
Concen: 48.745 ng
RT: 10.869 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

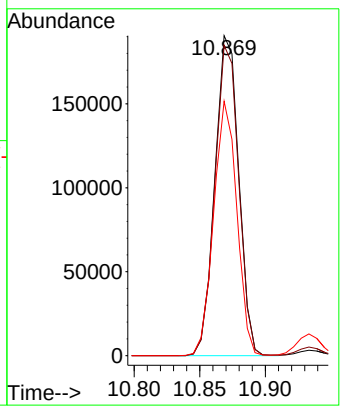
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

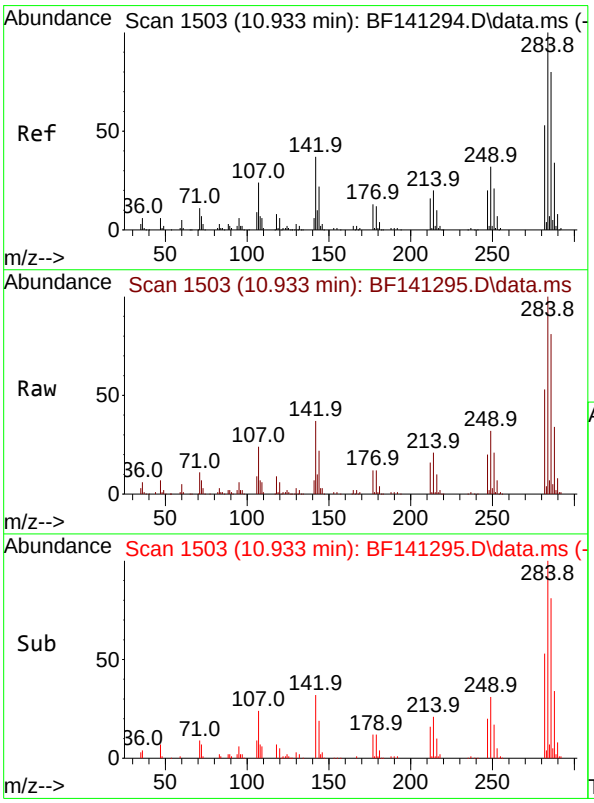
Tgt Ion:248 Resp: 24112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.0 | 79.0 | 118.4 |
| 141 | 79.5 | 63.7 | 95.5 |

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

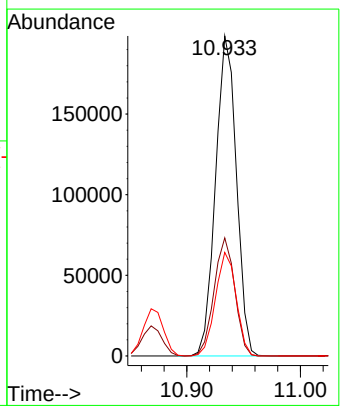


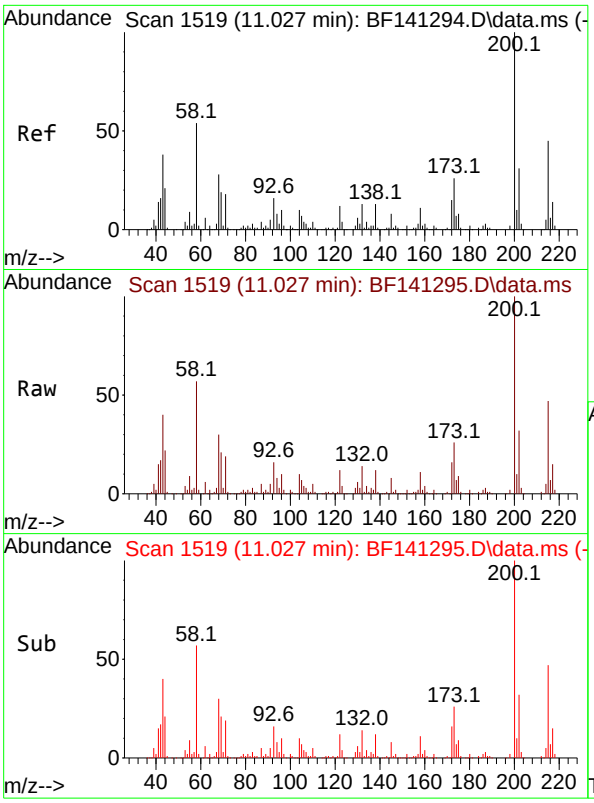




#68
Hexachlorobenzene
Concen: 48.250 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:284 Resp: 253174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 36.9 | 29.5 | 44.3 |
| 249 | 32.3 | 25.4 | 38.2 |






#69
Atrazine
Concen: 49.457 ng
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

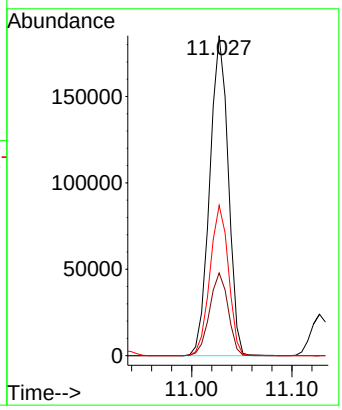
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

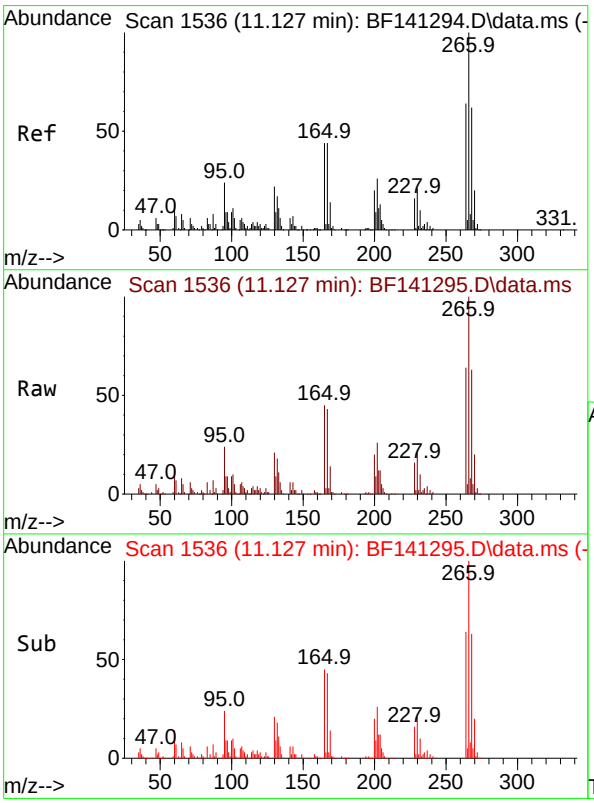
Tgt Ion:200 Resp: 23799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.9 | 5.9 | 45.9 |
| 215 | 46.9 | 25.2 | 65.2 |

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

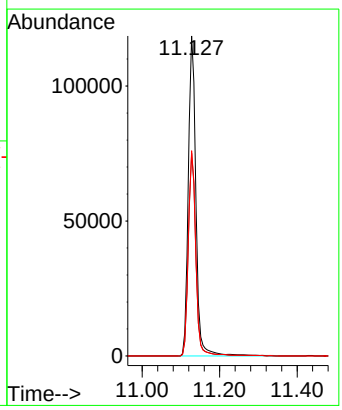


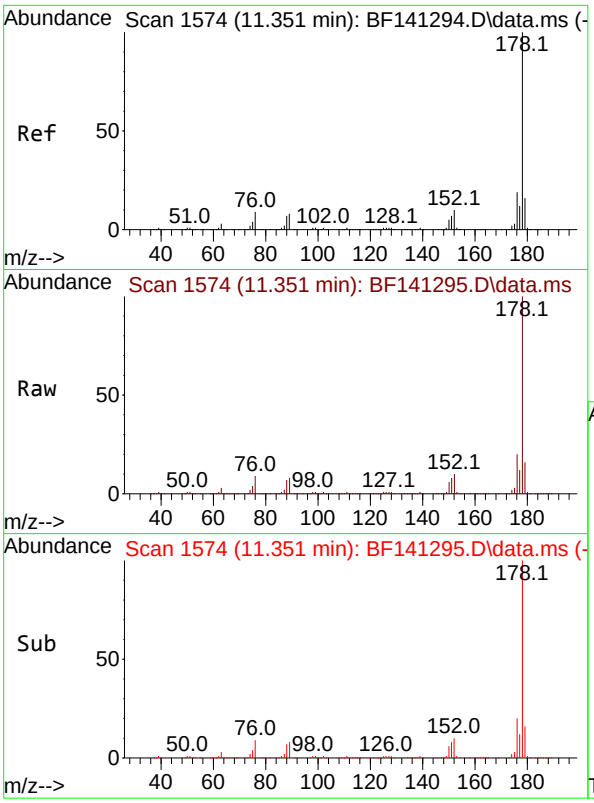




#70
Pentachlorophenol
Concen: 52.515 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:266 Resp: 161568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.3 | 49.9 | 74.9 |
| 264 | 64.1 | 51.0 | 76.4 |

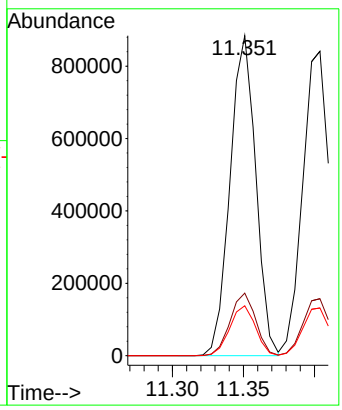





#71
Phenanthrene
Concen: 46.903 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:178 Resp: 111492

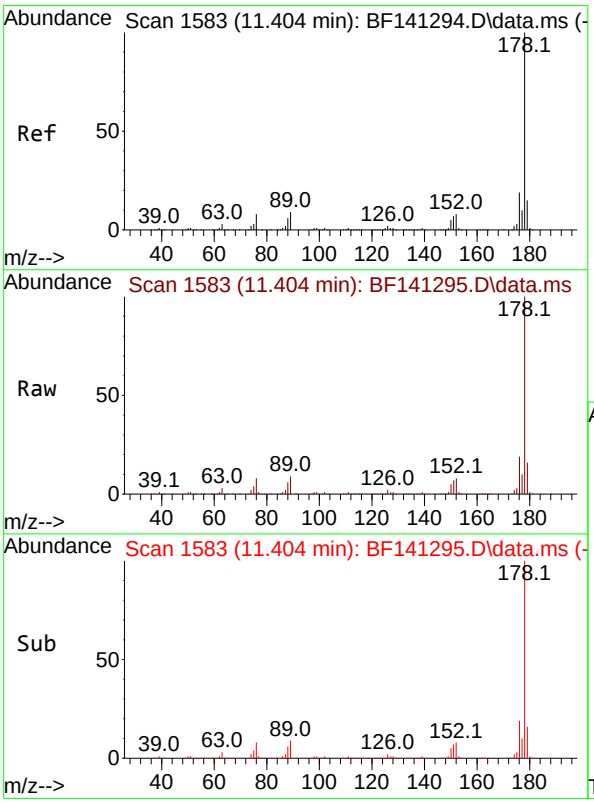
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.3 | 22.9 |
| 179 | 15.6 | 12.5 | 18.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

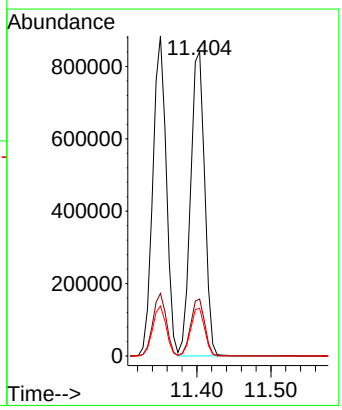
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

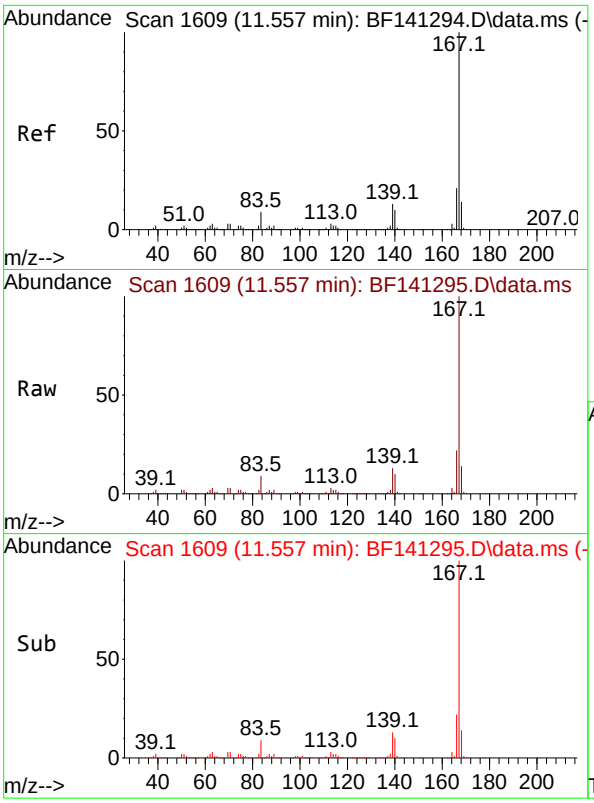



#72
Anthracene
Concen: 47.686 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:178 Resp: 1105681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.0 | 22.6 |
| 179 | 15.6 | 12.3 | 18.5 |

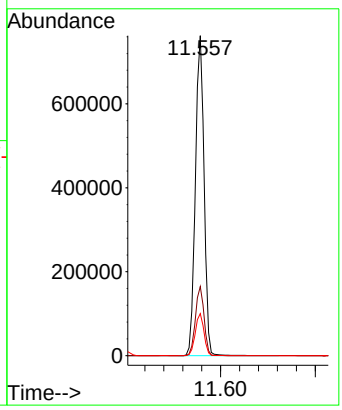





#73
Carbazole
Concen: 47.304 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:167 Resp: 97154

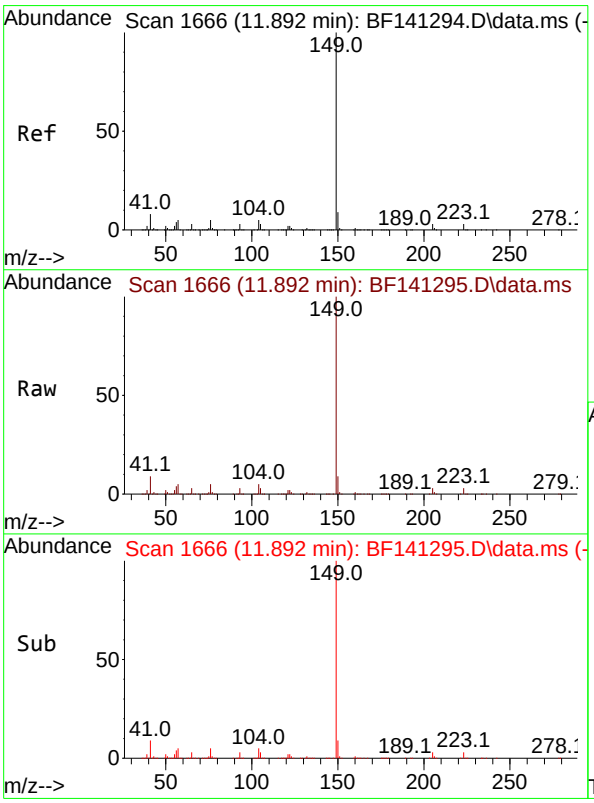
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.0 | 25.6 |
| 139 | 13.1 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

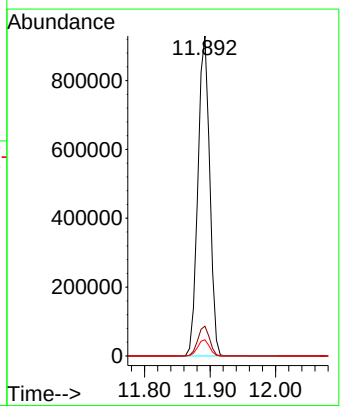
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

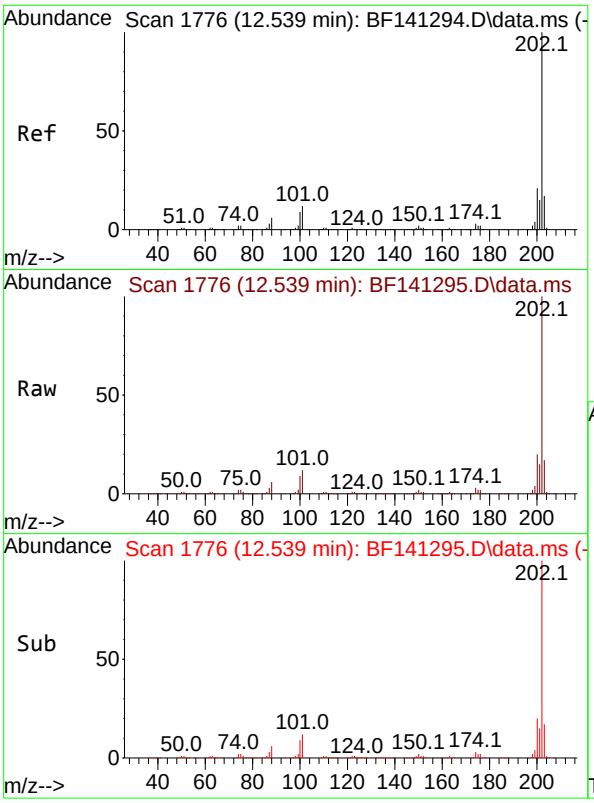



#74
Di-n-butylphthalate
Concen: 46.961 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:149 Resp: 1162607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.4 | 11.2 |
| 104 | 5.0 | 3.9 | 5.9 |

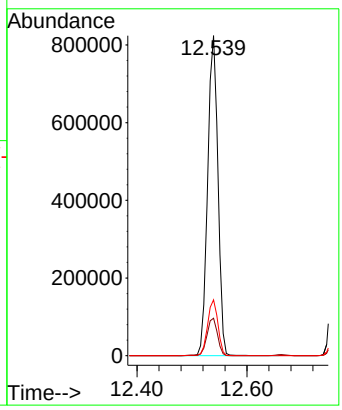





#75
Fluoranthene
Concen: 45.923 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:202 Resp: 106551

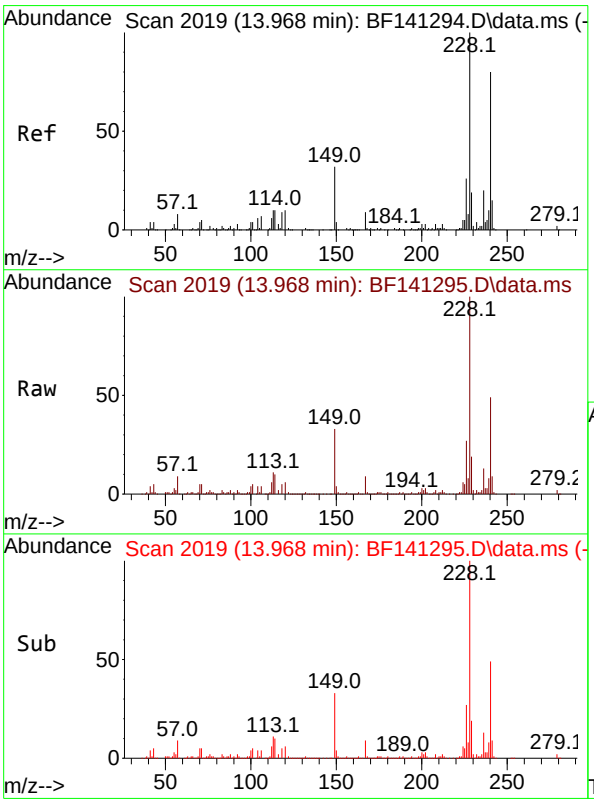
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.7 | 0.0 | 31.7 |
| 203 | 17.5 | 0.0 | 37.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

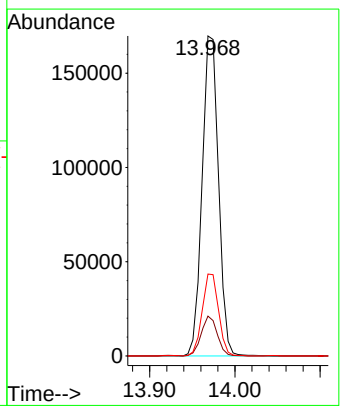
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

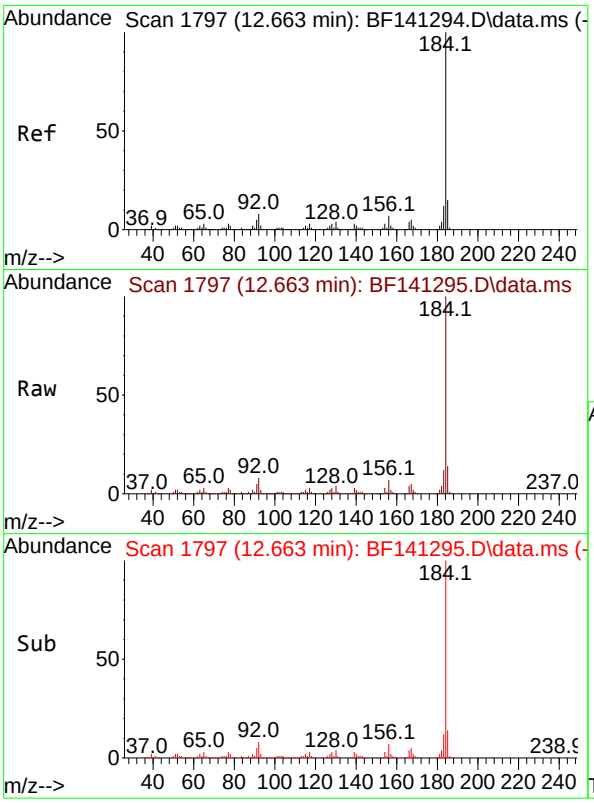



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:240 Resp: 226571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.5 | 10.0 | 15.0 |
| 236 | 25.6 | 19.7 | 29.5 |

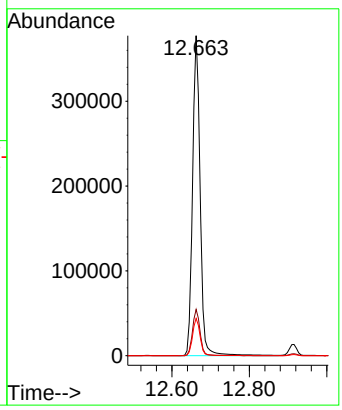





#77
Benzidine
Concen: 74.515 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:184 Resp: 51335

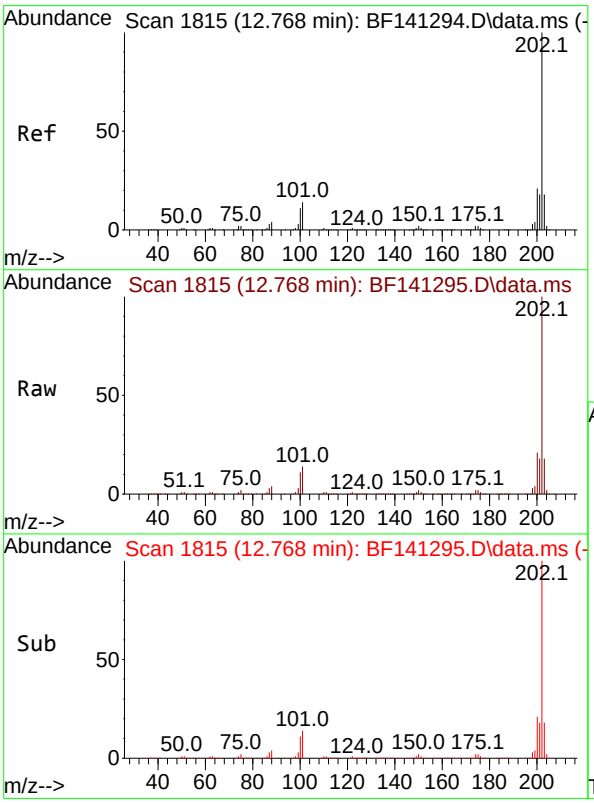
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.5 | 11.9 | 17.9 |
| 183 | 11.7 | 9.5 | 14.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

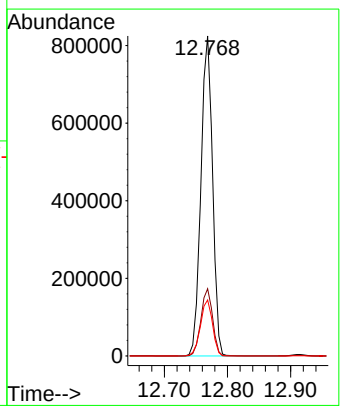
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

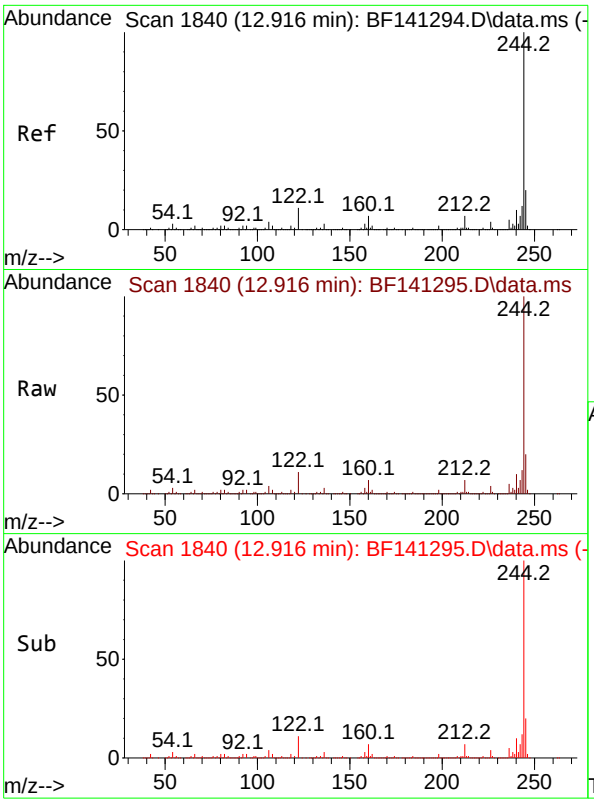



#78
Pyrene
Concen: 48.410 ng
RT: 12.768 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:202 Resp: 1059044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 17.0 | 25.4 |
| 203 | 17.5 | 14.3 | 21.5 |

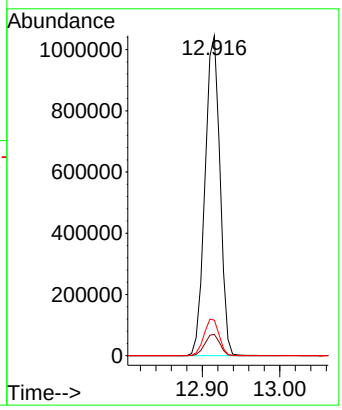





#79
Terphenyl-d14
Concen: 95.222 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:244 Resp: 140210

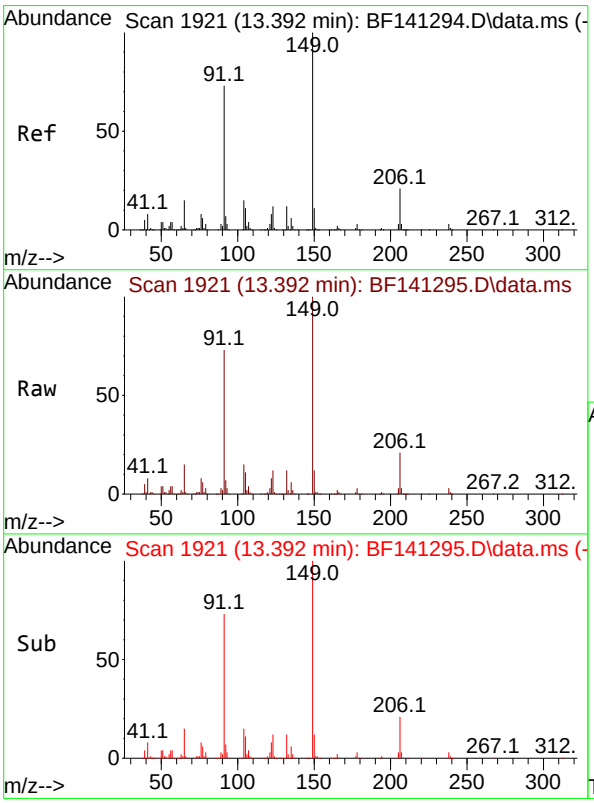
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.4 | 8.0 |
| 122 | 11.1 | 8.8 | 13.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

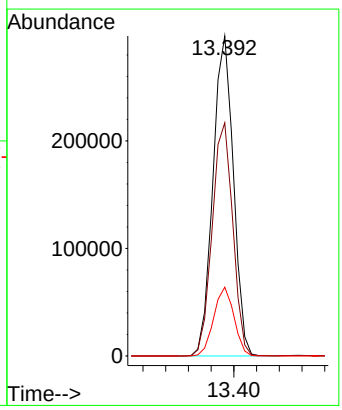
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

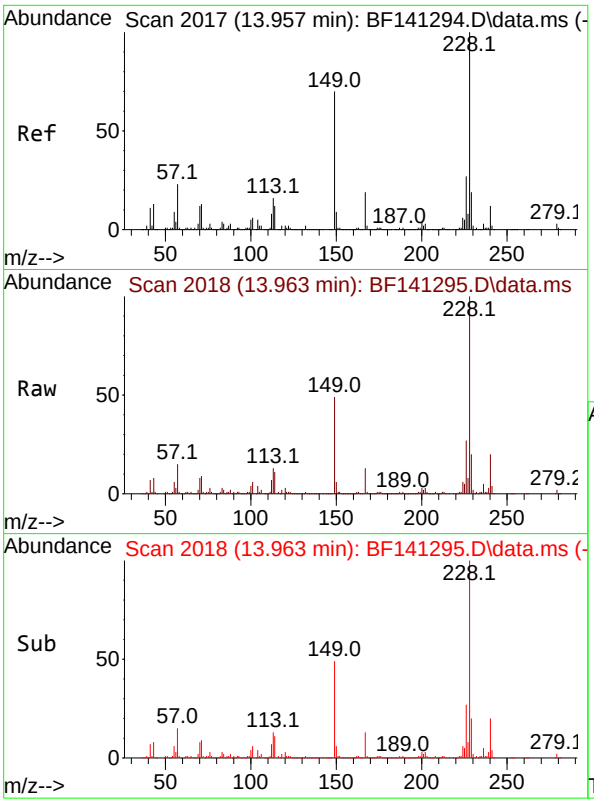



#80
Butylbenzylphthalate
Concen: 49.222 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:149 Resp: 371889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.9 | 58.6 | 87.8 |
| 206 | 21.5 | 16.7 | 25.1 |






#81
Benzo(a)anthracene
Concen: 50.158 ng
RT: 13.963 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

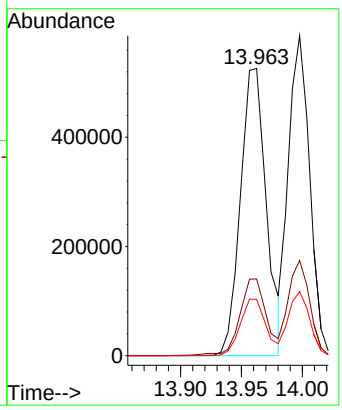
Tgt Ion:228 Resp: 77892

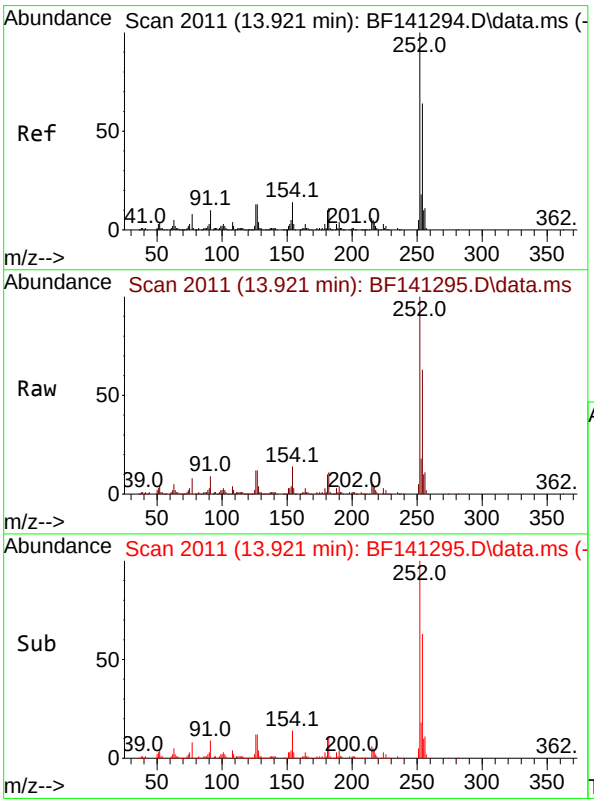
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.7 | 21.4 | 32.2 |
| 229 | 19.6 | 15.5 | 23.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

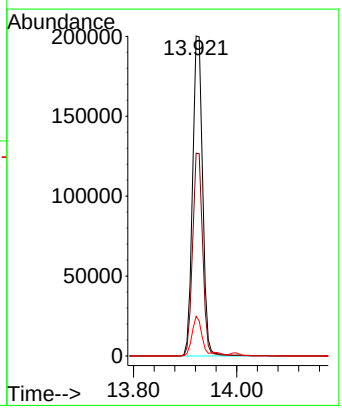


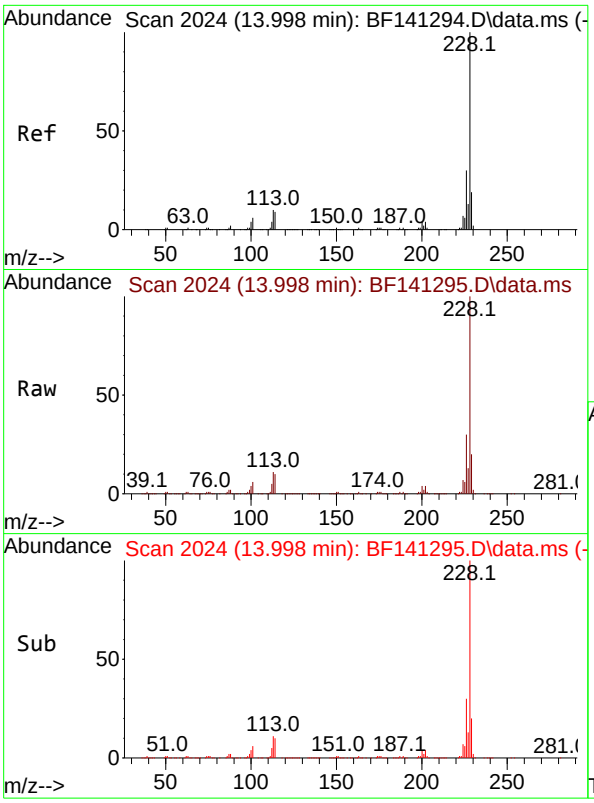




#82
3,3'-Dichlorobenzidine
Concen: 55.645 ng
RT: 13.921 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:252 Resp: 270572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.3 | 51.3 | 76.9 |
| 126 | 12.4 | 10.0 | 15.0 |

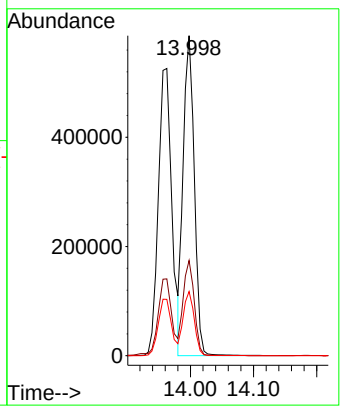





#83
Chrysene
Concen: 49.829 ng
RT: 13.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:228 Resp: 71756

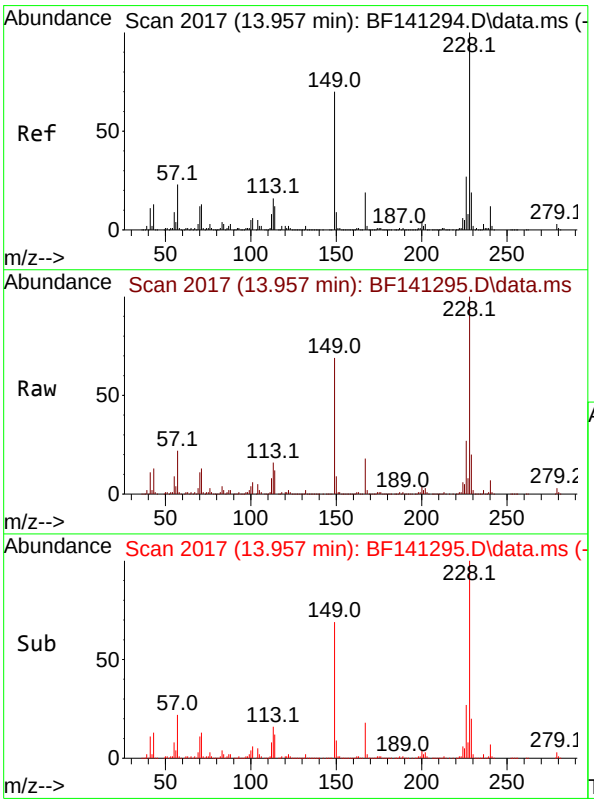
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.7 | 24.1 | 36.1 |
| 229 | 20.1 | 15.6 | 23.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

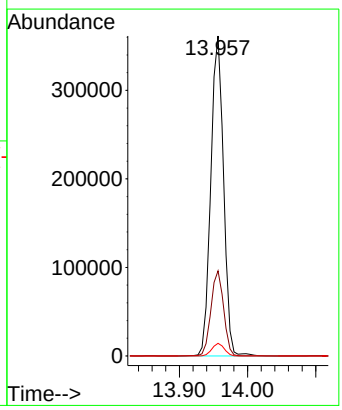
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

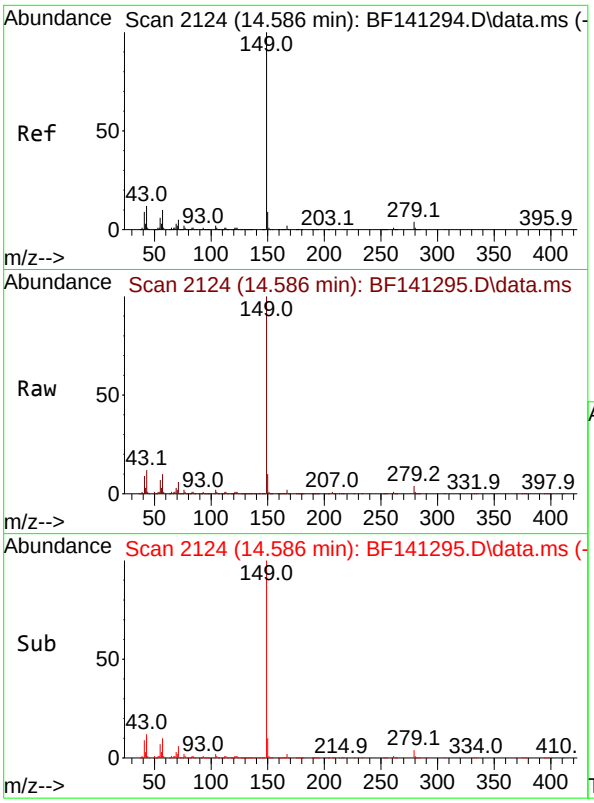



#84
Bis(2-ethylhexyl)phthalate
Concen: 49.620 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:149 Resp: 470441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.6 | 21.8 | 32.8 |
| 279 | 3.9 | 3.3 | 4.9 |






#85
Di-n-octyl phthalate
Concen: 52.127 ng
RT: 14.586 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

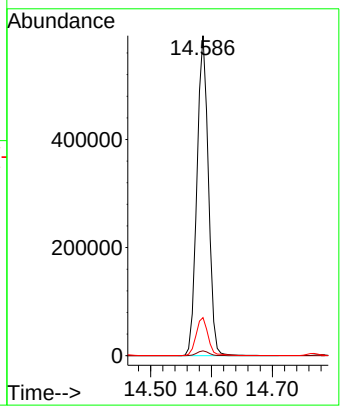
Tgt Ion:149 Resp: 77303

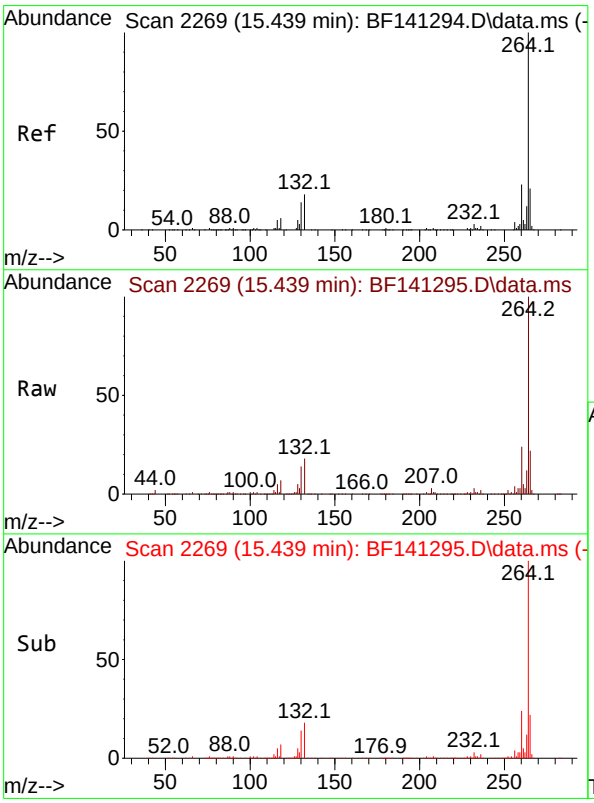
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 12.4 | 9.8 | 14.8 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

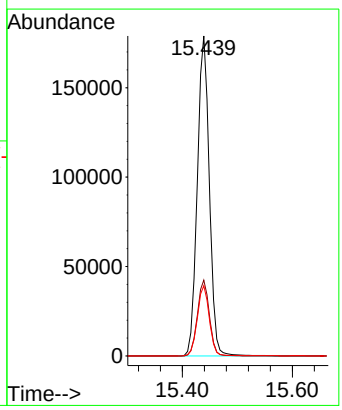


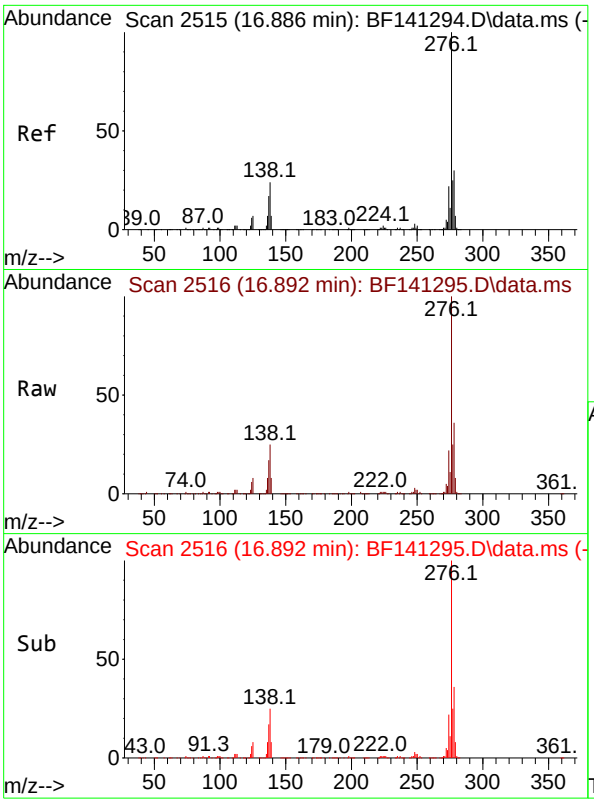




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:264 Resp: 272084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 18.6 | 27.8 |
| 265 | 22.0 | 16.7 | 25.1 |

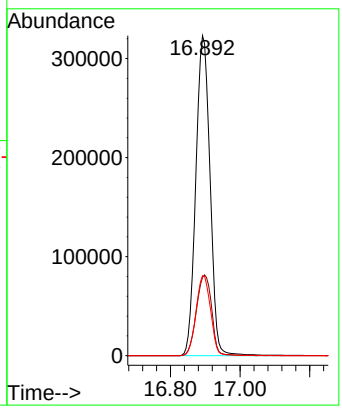





#87
Indeno(1,2,3-cd)pyrene
Concen: 51.584 ng
RT: 16.892 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:276 Resp: 91671

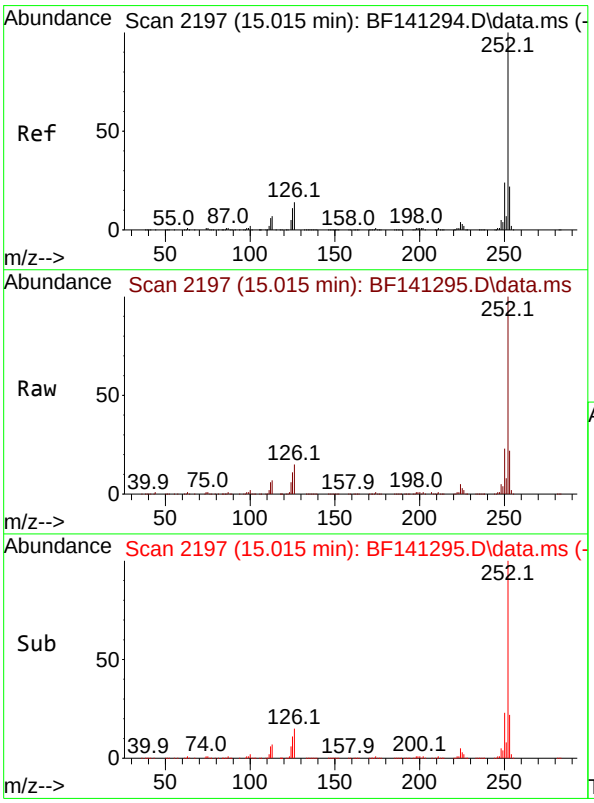
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.0 | 21.7 | 32.5 |
| 277 | 25.5 | 20.3 | 30.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

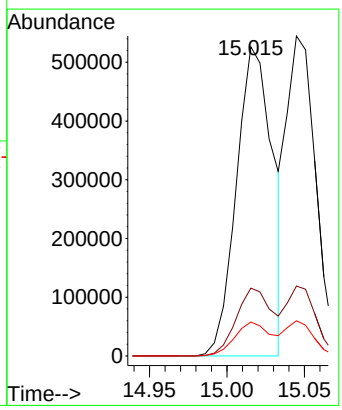
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

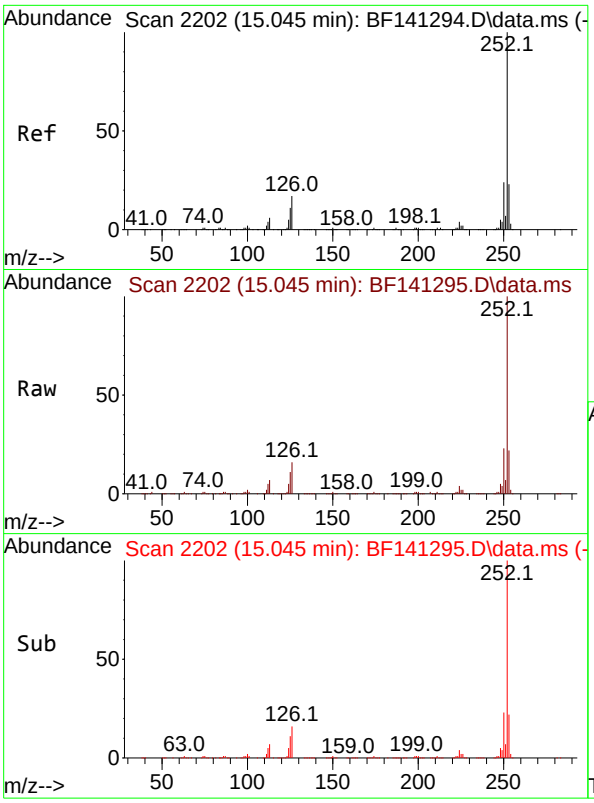



#88
Benzo(b)fluoranthene
Concen: 50.916 ng
RT: 15.015 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:252 Resp: 860351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.4 | 26.2 |
| 125 | 11.0 | 8.6 | 12.8 |






#89
Benzo(k)fluoranthene
Concen: 47.153 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

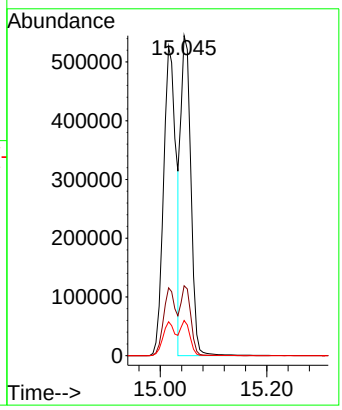
Tgt Ion:252 Resp: 71350

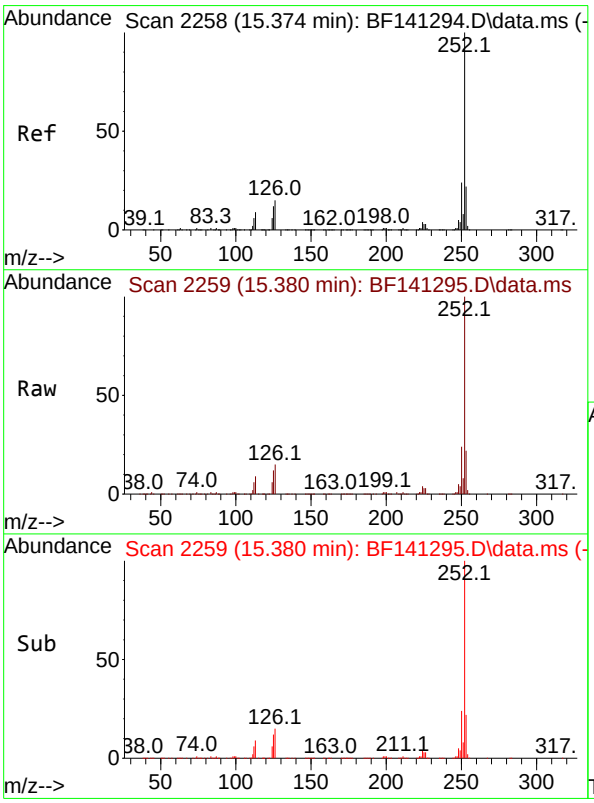
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.6 | 26.4 |
| 125 | 11.0 | 8.4 | 12.6 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

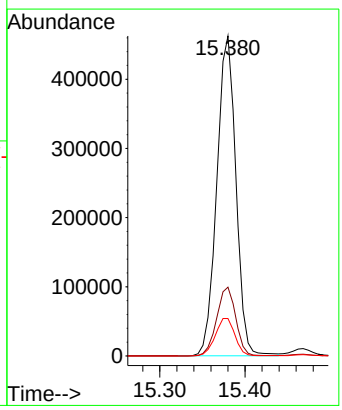


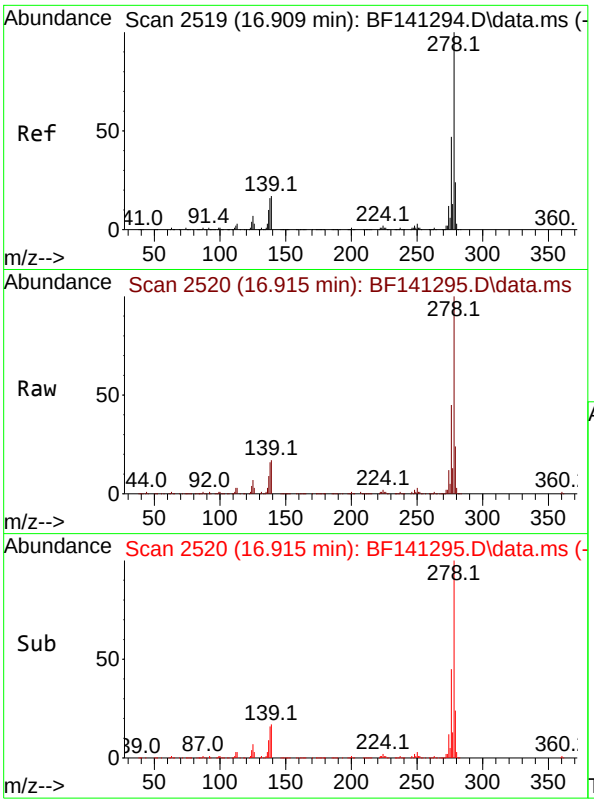




#90
Benzo(a)pyrene
Concen: 49.985 ng
RT: 15.380 min Scan# 2259
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:252 Resp: 721834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.2 | 25.8 |
| 125 | 11.7 | 9.4 | 14.2 |

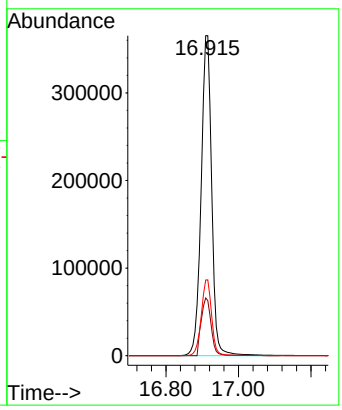





#91
Dibenzo(a,h)anthracene
Concen: 51.907 ng
RT: 16.915 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:278 Resp: 73939

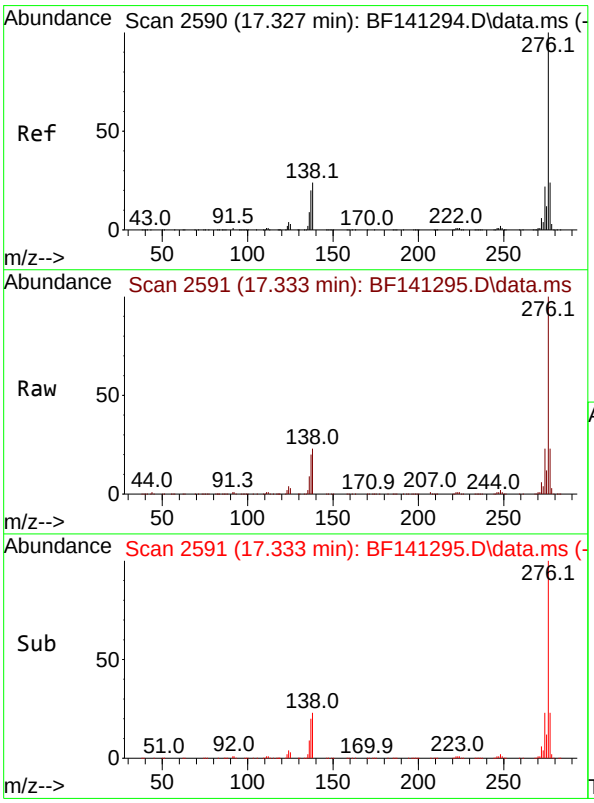
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.2 | 13.9 | 20.9 |
| 279 | 23.7 | 18.8 | 28.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

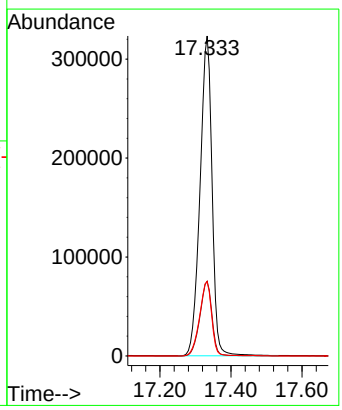
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025




#92
Benzo(g,h,i)perylene
Concen: 50.990 ng
RT: 17.333 min Scan# 2591
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:276 Resp: 764064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.4 | 19.2 | 28.8 |
| 138 | 23.2 | 19.0 | 28.4 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141296.D
Acq On : 29 Jan 2025 16:38
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 29 17:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:14:44 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.798 | 152 | 125203 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.086 | 136 | 490777 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.839 | 164 | 260269 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.327 | 188 | 434671 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.974 | 240 | 225615 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.451 | 264 | 265921 | 20.000 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.404 | 112 | 952391 | 113.729 | ng | | 0.00 |
| 7) Phenol-d6 | 6.434 | 99 | 1210477 | 113.542 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.369 | 82 | 1098197 | 115.711 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.627 | 330 | 279105 | 113.824 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.163 | 172 | 1824372 | 102.411 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.916 | 244 | 1665591 | 109.453 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.487 | 88 | 213805 | 58.657 | ng | | 99 |
| 3) Pyridine | 3.216 | 79 | 527201 | 60.698 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.181 | 42 | 305314 | 61.956 | ng | | 99 |
| 6) Aniline | 6.463 | 93 | 506937 | 55.493 | ng | # | 89 |
| 8) 2-Chlorophenol | 6.587 | 128 | 509043 | 56.606 | ng | | 98 |
| 9) Benzaldehyde | 6.351 | 77 | 314238 | 48.677 | ng | | 98 |
| 10) Phenol | 6.445 | 94 | 640034 | 56.549 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.539 | 93 | 499321 | 58.245 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.739 | 146 | 553756 | 55.698 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.816 | 146 | 558572 | 55.945 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 6.975 | 146 | 513179 | 54.417 | ng | | 99 |
| 15) Benzyl Alcohol | 6.945 | 79 | 422722 | 58.473 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.081 | 45 | 859130 | 57.194 | ng | | 99 |
| 17) 2-Methylphenol | 7.057 | 107 | 420597 | 58.211 | ng | | 99 |
| 18) Hexachloroethane | 7.316 | 117 | 210746 | 57.649 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.222 | 70 | 355036 | 56.162 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.210 | 107 | 496888 | 54.781 | ng | | 98 |
| 22) Acetophenone | 7.216 | 105 | 651575 | 53.679 | ng | | 99 |
| 24) Nitrobenzene | 7.386 | 77 | 572234 | 58.138 | ng | | 99 |
| 25) Isophorone | 7.622 | 82 | 953671 | 58.383 | ng | | 98 |
| 26) 2-Nitrophenol | 7.698 | 139 | 280785 | 61.652 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.739 | 122 | 350784m | 60.006 | ng | | |
| 28) bis(2-Chloroethoxy)met... | 7.833 | 93 | 605644 | 57.853 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.939 | 162 | 421748 | 58.315 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.022 | 180 | 465841 | 55.787 | ng | | 99 |
| 31) Naphthalene | 8.104 | 128 | 1475900 | 54.933 | ng | | 99 |
| 32) Benzoic acid | 7.863 | 122 | 380664m | 76.193 | ng | | |
| 33) 4-Chloroaniline | 8.157 | 127 | 513149 | 56.786 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.222 | 225 | 275524 | 56.533 | ng | | 100 |
| 35) Caprolactam | 8.533 | 113 | 141023 | 60.337 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 8.633 | 107 | 452438 | 58.389 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.792 | 142 | 941153 | 55.126 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.892 | 142 | 917389 | 54.632 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.963 | 216 | 430239 | 56.609 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 8.945 | 237 | 141387 | 66.154 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.075 | 196 | 288290 | 58.588 | ng | | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141296.D
Acq On : 29 Jan 2025 16:38
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:14:44 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.110 | 196 | 314912 | 59.000 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.263 | 154 | 1139946 | 54.084 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.286 | 162 | 902561 | 55.247 | ng | 99 |
| 48) 2-Nitroaniline | 9.380 | 65 | 300339 | 59.861 | ng | 98 |
| 49) Acenaphthylene | 9.698 | 152 | 1258733 | 54.924 | ng | 100 |
| 50) Dimethylphthalate | 9.569 | 163 | 1012298 | 56.075 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.627 | 165 | 241241 | 58.050 | ng | 98 |
| 52) Acenaphthene | 9.875 | 154 | 921519 | 56.639 | ng | 100 |
| 53) 3-Nitroaniline | 9.792 | 138 | 232680 | 56.245 | ng | 99 |
| 54) 2,4-Dinitrophenol | 9.898 | 184 | 132244 | 84.109 | ng | 95 |
| 55) Dibenzofuran | 10.045 | 168 | 1202027 | 54.629 | ng | 99 |
| 56) 4-Nitrophenol | 9.951 | 139 | 190620 | 66.120 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 10.027 | 165 | 315221 | 58.312 | ng | 97 |
| 58) Fluorene | 10.386 | 166 | 915246 | 53.236 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.163 | 232 | 252964 | 60.106 | ng | 100 |
| 60) Diethylphthalate | 10.263 | 149 | 983788 | 55.897 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.380 | 204 | 445841 | 53.136 | ng | 99 |
| 62) 4-Nitroaniline | 10.410 | 138 | 242716 | 61.216 | ng | 99 |
| 63) Azobenzene | 10.539 | 77 | 996603 | 56.821 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.439 | 198 | 174248 | 71.103 | ng | 99 |
| 66) n-Nitrosodiphenylamine | 10.504 | 169 | 800147 | 55.423 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.874 | 248 | 286647 | 57.957 | ng | 96 |
| 68) Hexachlorobenzene | 10.933 | 284 | 302508 | 57.366 | ng | 99 |
| 69) Atrazine | 11.033 | 200 | 306524 | 66.863 | ng | 99 |
| 70) Pentachlorophenol | 11.127 | 266 | 194335 | 65.443 | ng | 99 |
| 71) Phenanthrene | 11.351 | 178 | 1316980 | 54.311 | ng | 100 |
| 72) Anthracene | 11.404 | 178 | 1298334 | 54.763 | ng | 99 |
| 73) Carbazole | 11.557 | 167 | 1173330 | 55.874 | ng | 99 |
| 74) Di-n-butylphthalate | 11.892 | 149 | 1410222 | 55.325 | ng | 100 |
| 75) Fluoranthene | 12.539 | 202 | 1279995 | 52.878 | ng | 99 |
| 77) Benzidine | 12.663 | 184 | 490009 | 67.692 | ng | 100 |
| 78) Pyrene | 12.768 | 202 | 1284820 | 57.717 | ng | 100 |
| 80) Butylbenzylphthalate | 13.392 | 149 | 465533 | 60.745 | ng | 99 |
| 81) Benzo(a)anthracene | 13.962 | 228 | 917219 | 57.742 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.927 | 252 | 315503 | 64.819 | ng | 100 |
| 83) Chrysene | 14.004 | 228 | 841120 | 58.239 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.957 | 149 | 564642 | 57.438 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.598 | 149 | 951473 | 64.953 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.909 | 276 | 1054987 | 61.732 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.033 | 252 | 971433 | 56.615 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.062 | 252 | 845842 | 55.934 | ng | 100 |
| 90) Benzo(a)pyrene | 15.392 | 252 | 838283 | 58.588 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.927 | 278 | 854214 | 62.119 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.351 | 276 | 881804 | 61.510 | ng | 100 |

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

ICAL Form

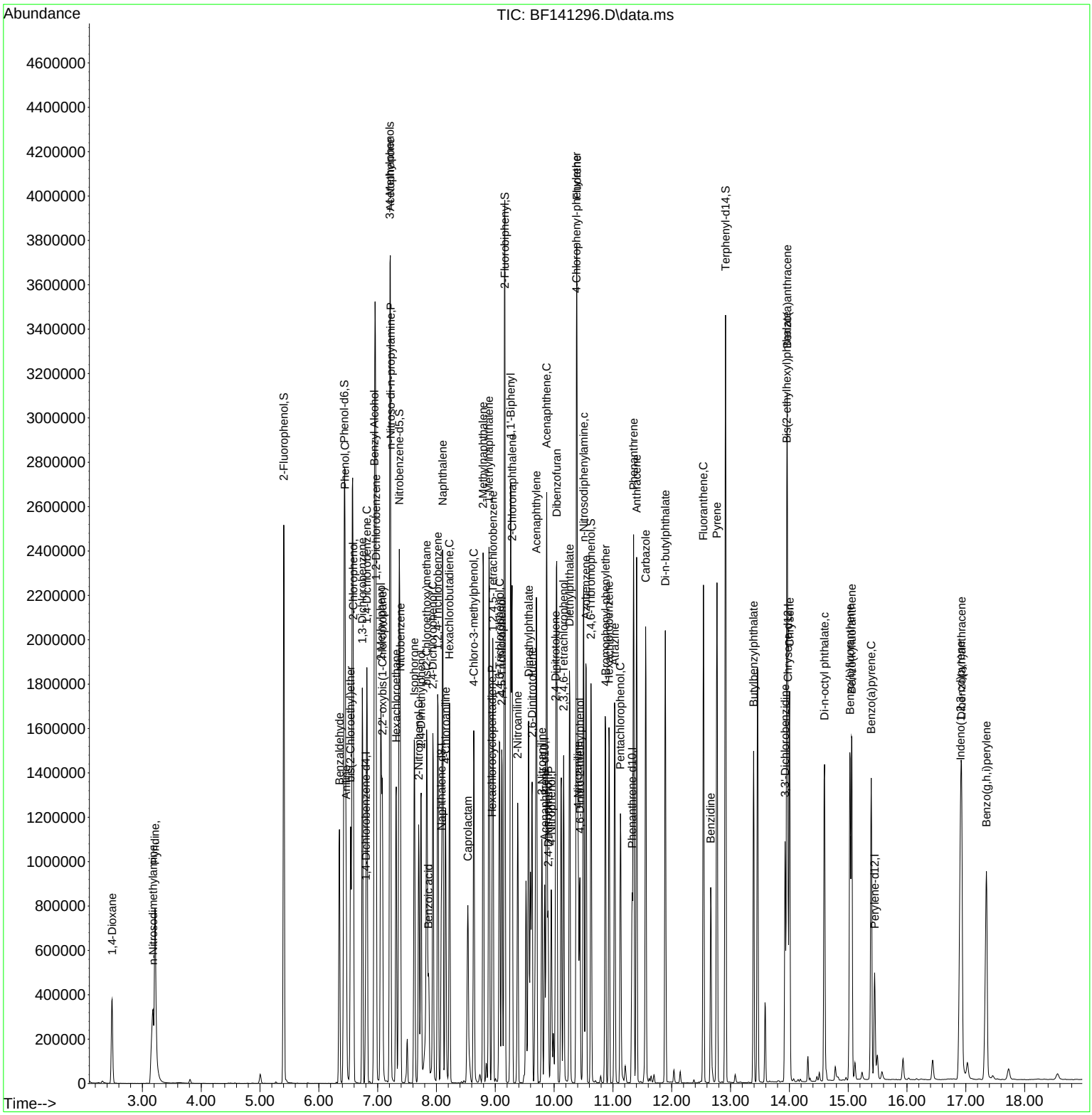
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141296.D
Acq On : 29 Jan 2025 16:38
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

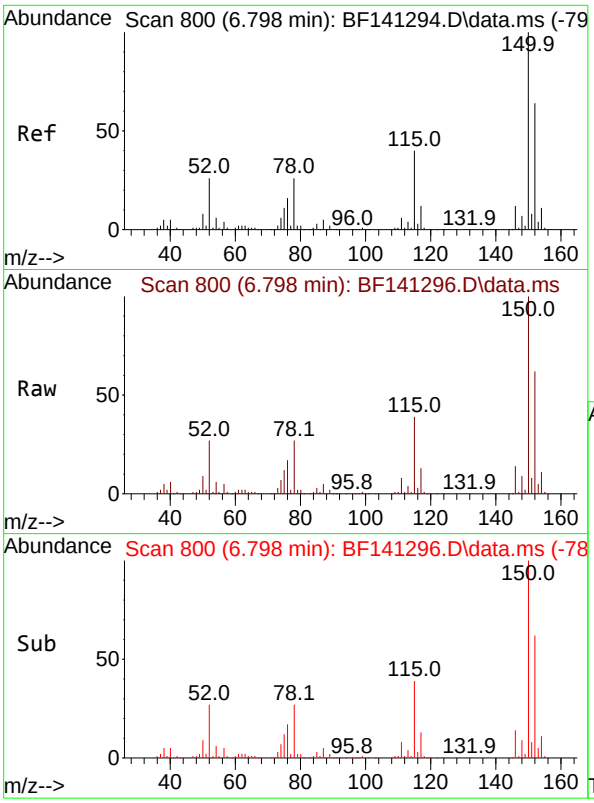
Quant Time: Jan 29 17:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:14:44 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

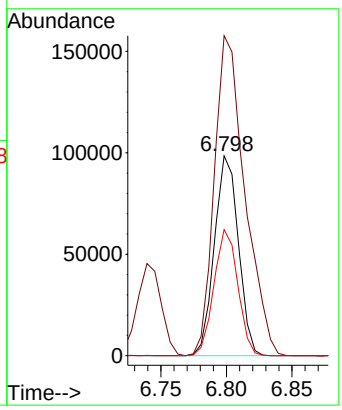





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:152 Resp: 12520

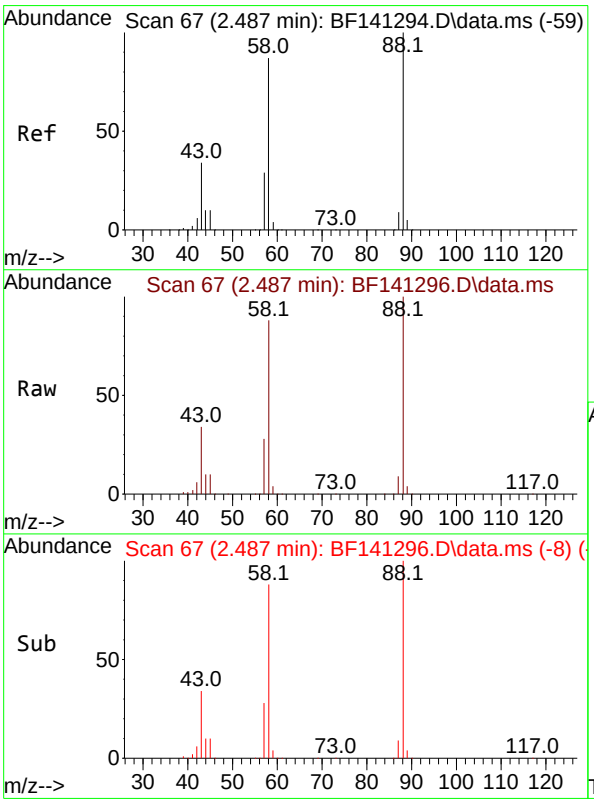
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.2 | 125.9 | 188.9 |
| 115 | 63.2 | 49.7 | 74.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

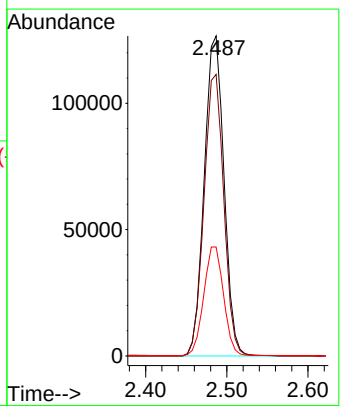
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

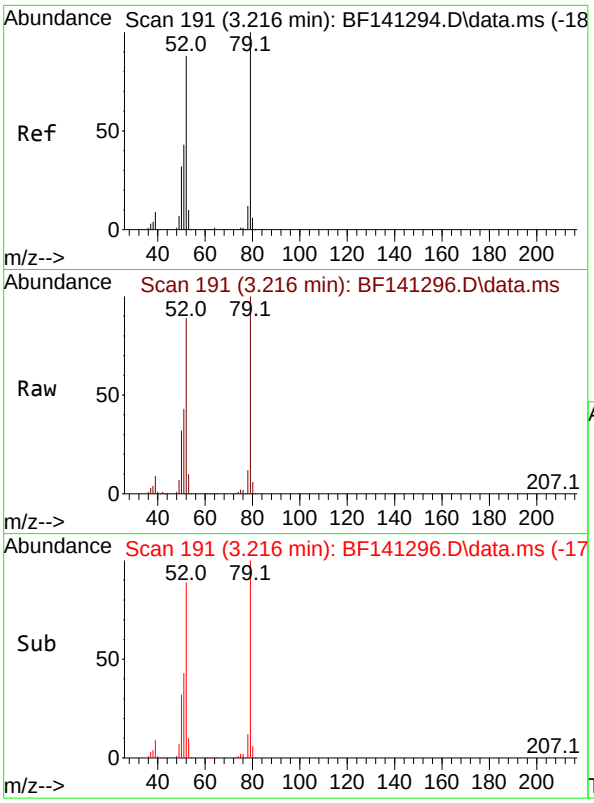



#2
1,4-Dioxane
Concen: 58.657 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 88 Resp: 213805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 88.5 | 70.2 | 105.4 |
| 43 | 34.0 | 27.6 | 41.4 |

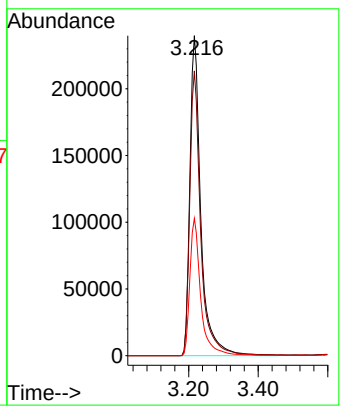





#3
Pyridine
Concen: 60.698 ng
RT: 3.216 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 79 Resp: 52720

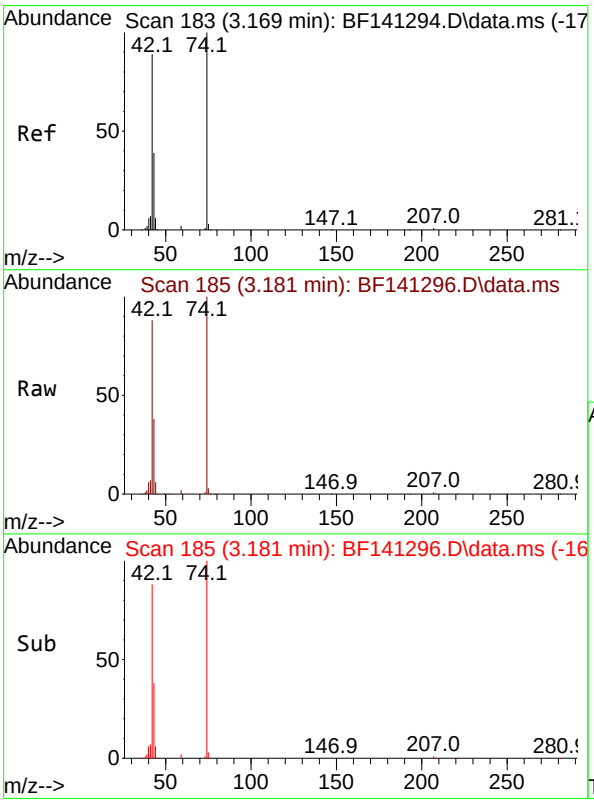
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 89.0 | 70.3 | 105.5 |
| 51 | 42.9 | 34.3 | 51.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

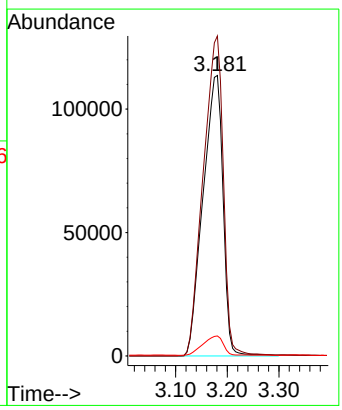
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

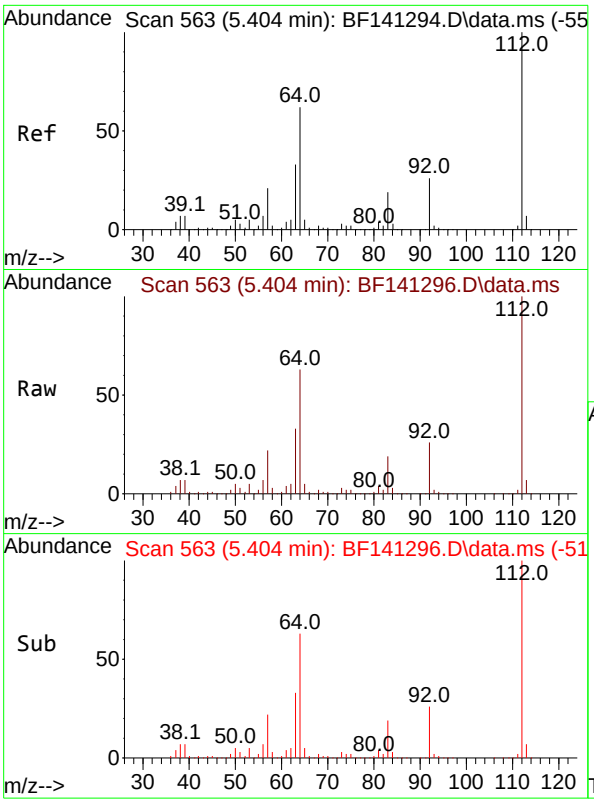



#4
n-Nitrosodimethylamine
Concen: 61.956 ng
RT: 3.181 min Scan# 185
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 42 Resp: 305314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 114.1 | 90.3 | 135.5 |
| 44 | 7.2 | 5.7 | 8.5 |

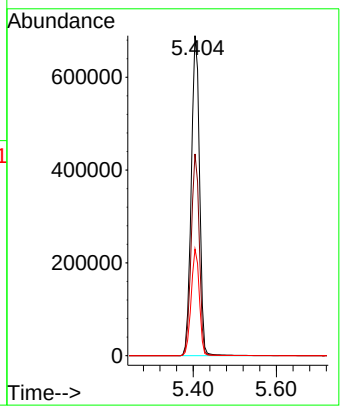





#5
2-Fluorophenol
Concen: 113.729 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:112 Resp: 95239

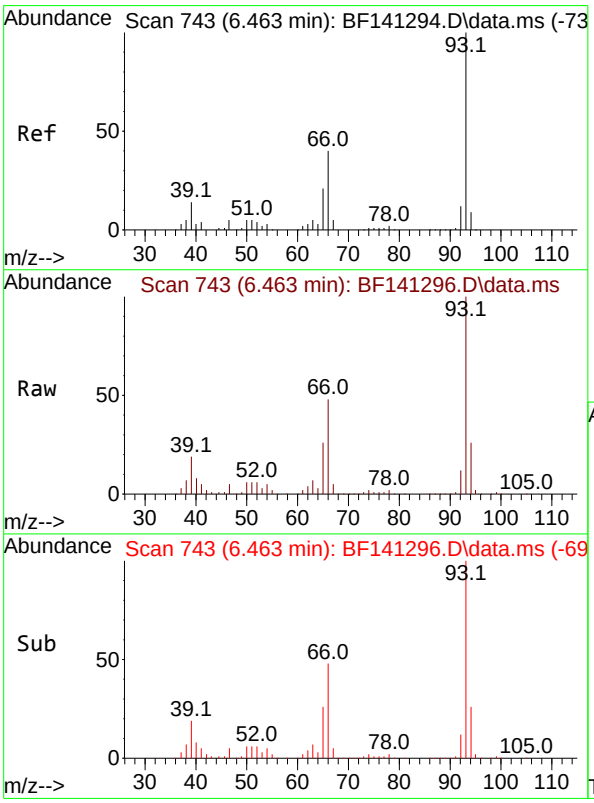
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.0 | 49.8 | 74.8 |
| 63 | 33.3 | 26.1 | 39.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

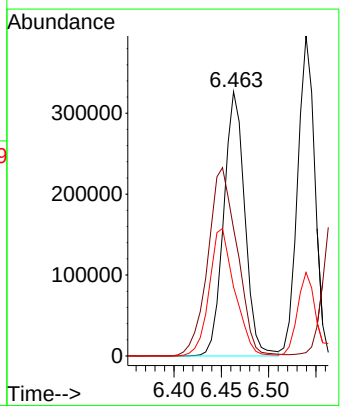
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

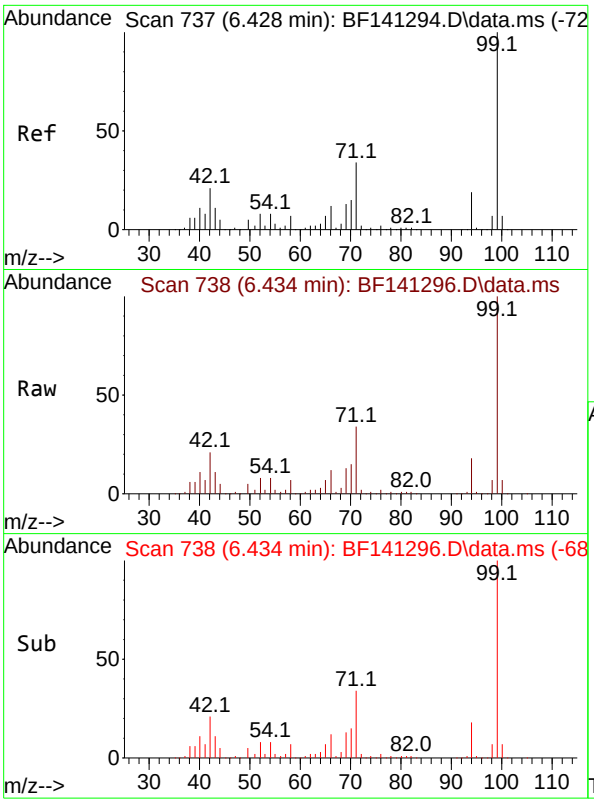



#6
Aniline
Concen: 55.493 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 93 Resp: 506937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 48.2 | 32.5 | 48.7 |
| 65 | 26.1 | 17.0 | 25.6# |

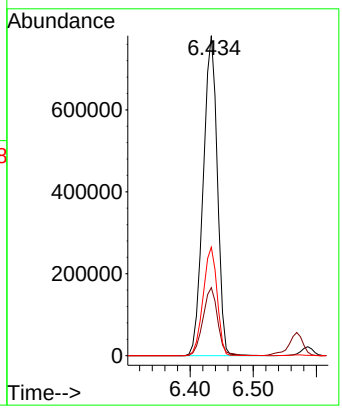





#7
Phenol-d6
Concen: 113.542 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 99 Resp: 121047

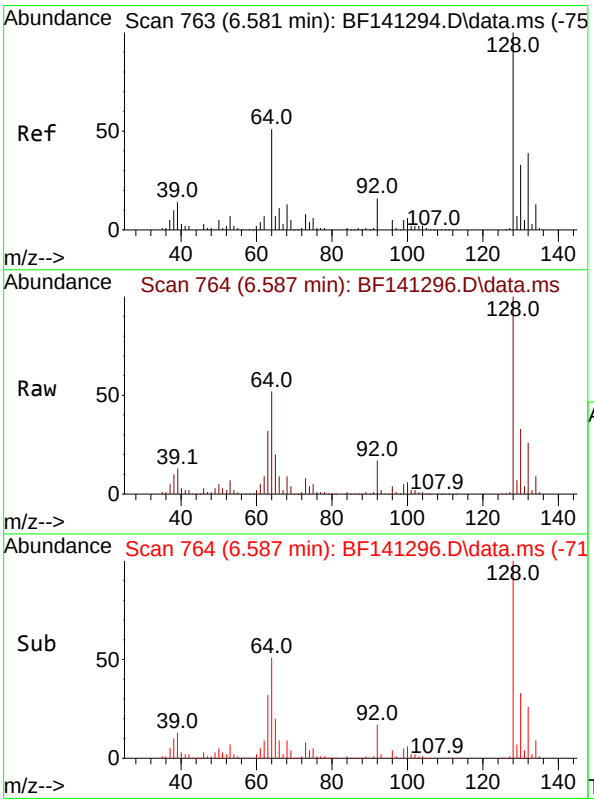
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.2 | 17.1 | 25.7 |
| 71 | 33.9 | 26.9 | 40.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

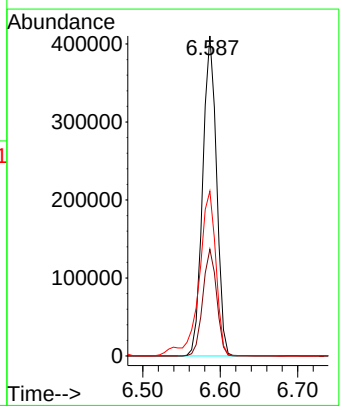
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

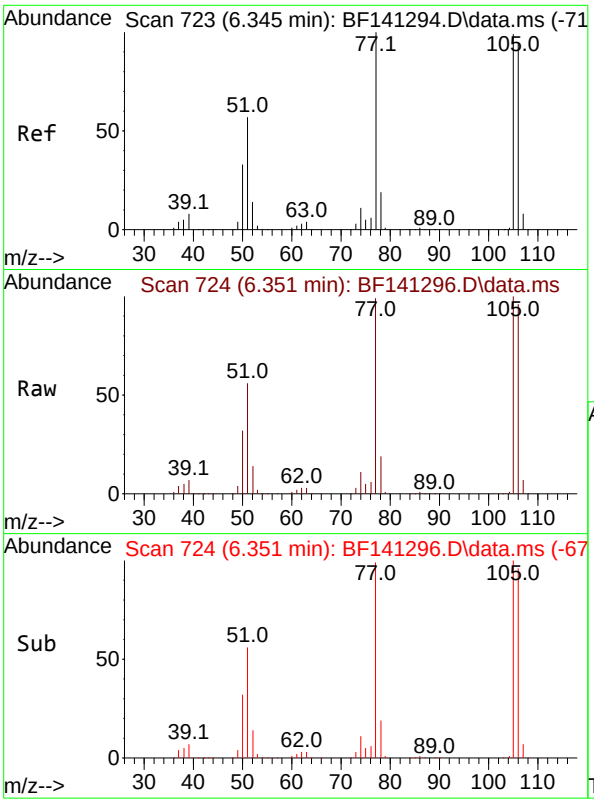



#8
2-Chlorophenol
Concen: 56.606 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:128 Resp: 509043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.4 | 12.5 | 52.5 |
| 64 | 51.5 | 32.9 | 72.9 |

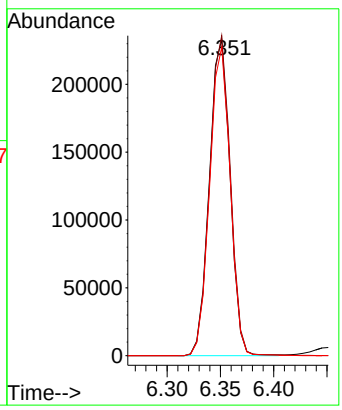





#9
Benzaldehyde
Concen: 48.677 ng
RT: 6.351 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 77 Resp: 31423

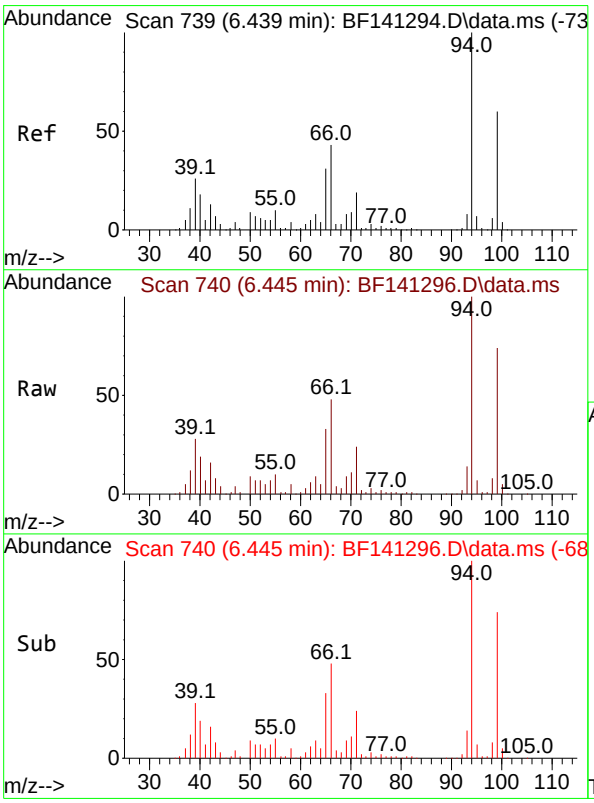
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 101.2 | 79.4 | 119.4 |
| 106 | 97.6 | 74.6 | 114.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

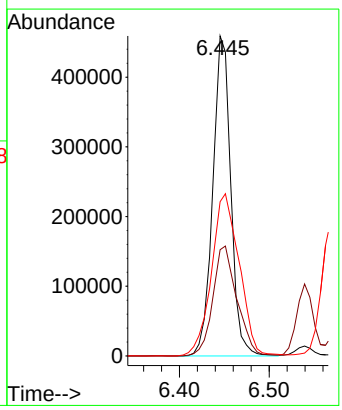
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

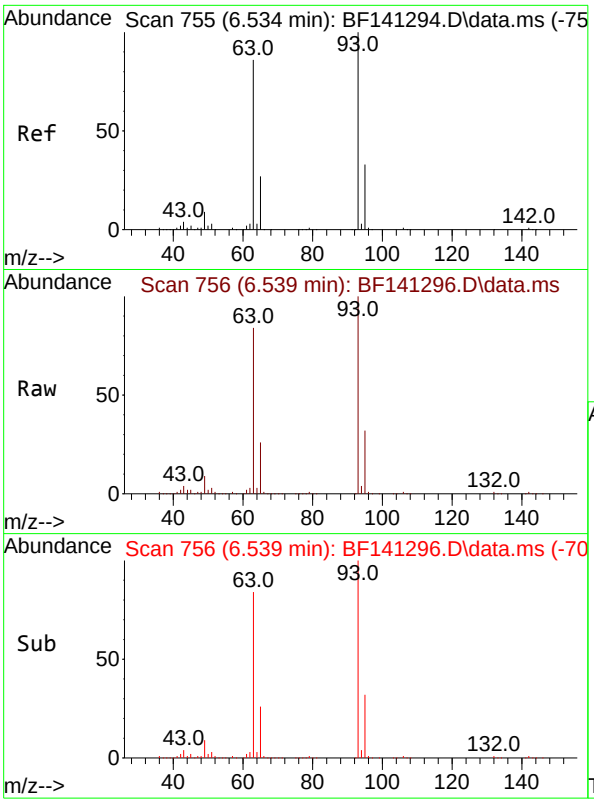



#10
Phenol
Concen: 56.549 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 94 Resp: 640034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 33.2 | 10.8 | 50.8 |
| 66 | 48.2 | 23.3 | 63.3 |

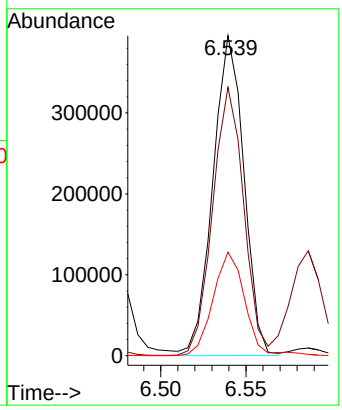





#11
bis(2-Chloroethyl)ether
Concen: 58.245 ng
RT: 6.539 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 93 Resp: 49932

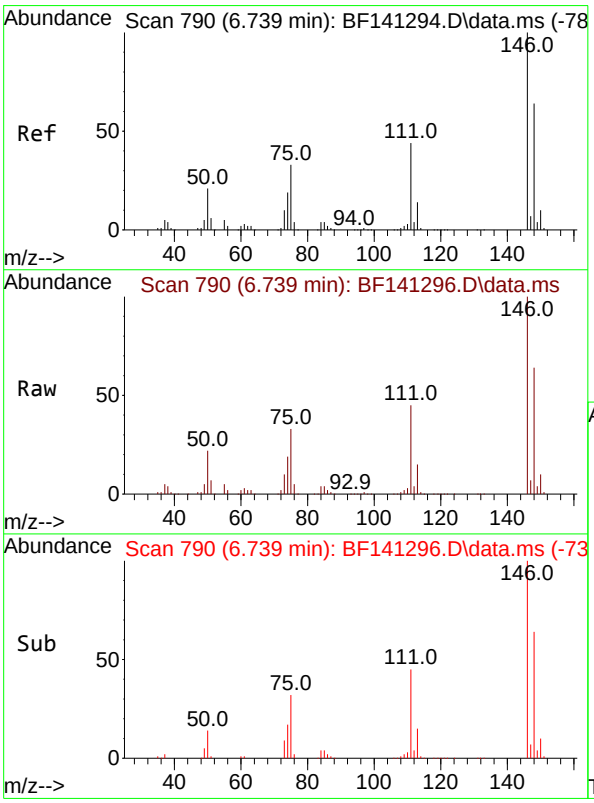
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 83.9 | 65.0 | 105.0 |
| 95 | 32.3 | 12.4 | 52.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

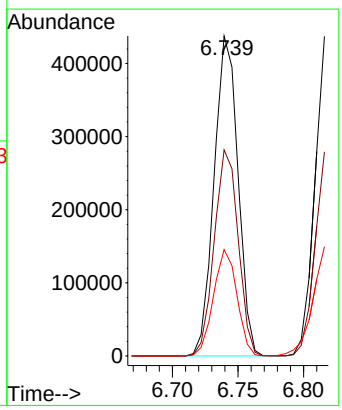
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

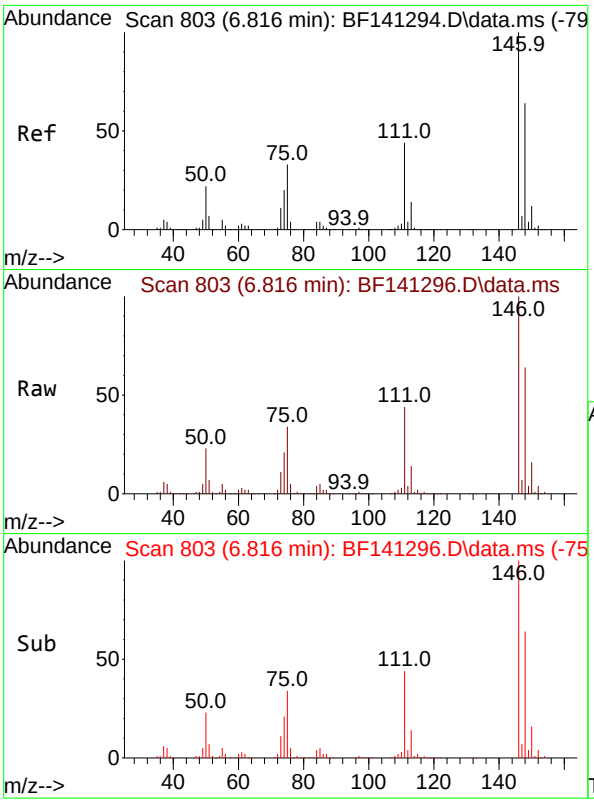



#12
1,3-Dichlorobenzene
Concen: 55.698 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:146 Resp: 553756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.2 | 76.8 |
| 75 | 33.2 | 26.2 | 39.4 |

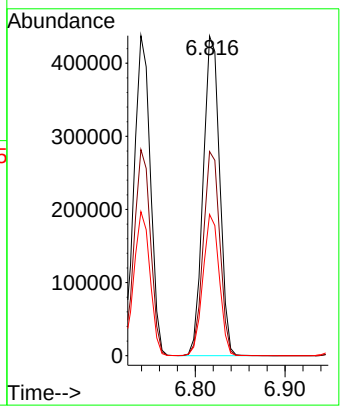





#13
1,4-Dichlorobenzene
Concen: 55.945 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:146 Resp: 55857

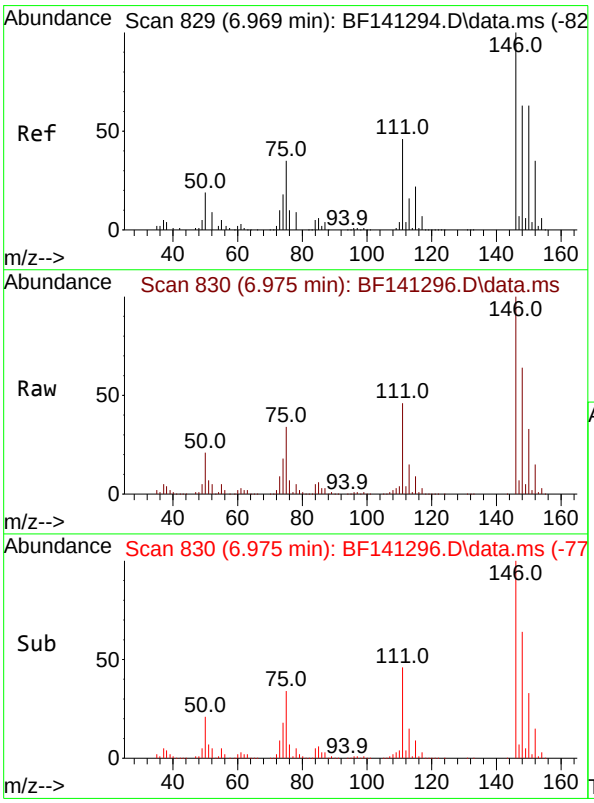
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.2 | 76.8 |
| 111 | 44.2 | 35.0 | 52.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

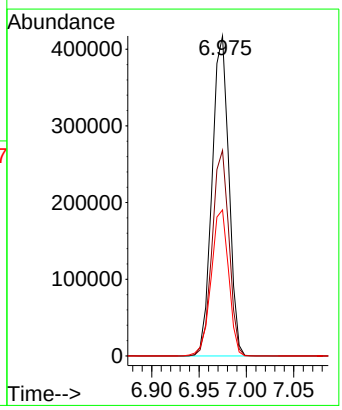
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

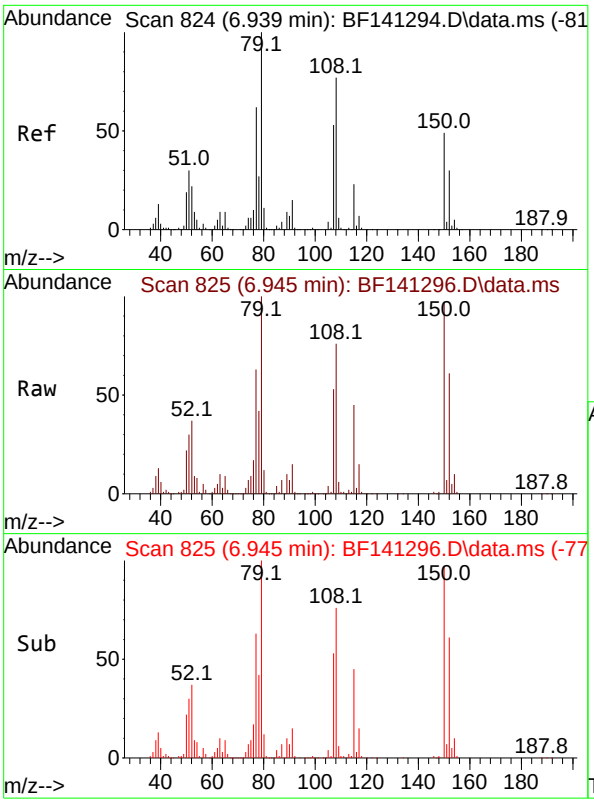



#14
1,2-Dichlorobenzene
Concen: 54.417 ng
RT: 6.975 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:146 Resp: 513179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 50.5 | 75.7 |
| 111 | 45.7 | 36.6 | 55.0 |

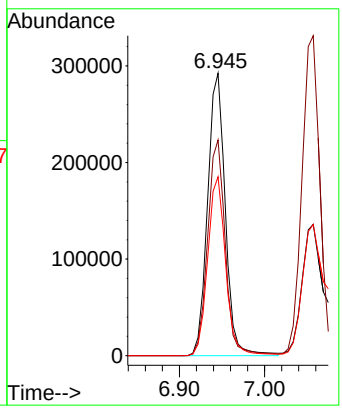





#15
Benzyl Alcohol
Concen: 58.473 ng
RT: 6.945 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 79 Resp: 42272

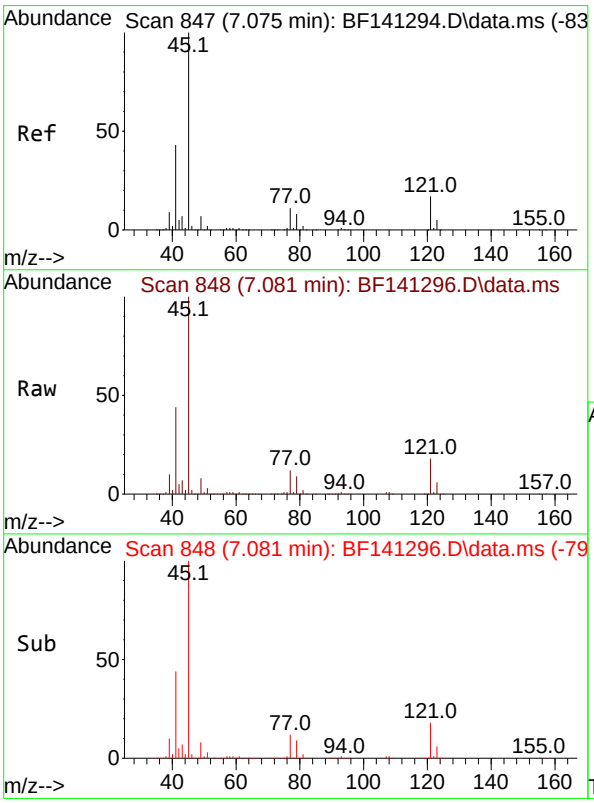
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.4 | 61.4 | 92.0 |
| 77 | 63.3 | 49.9 | 74.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

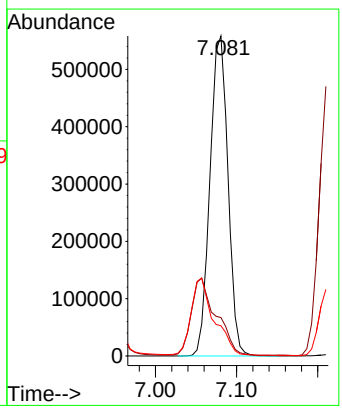
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

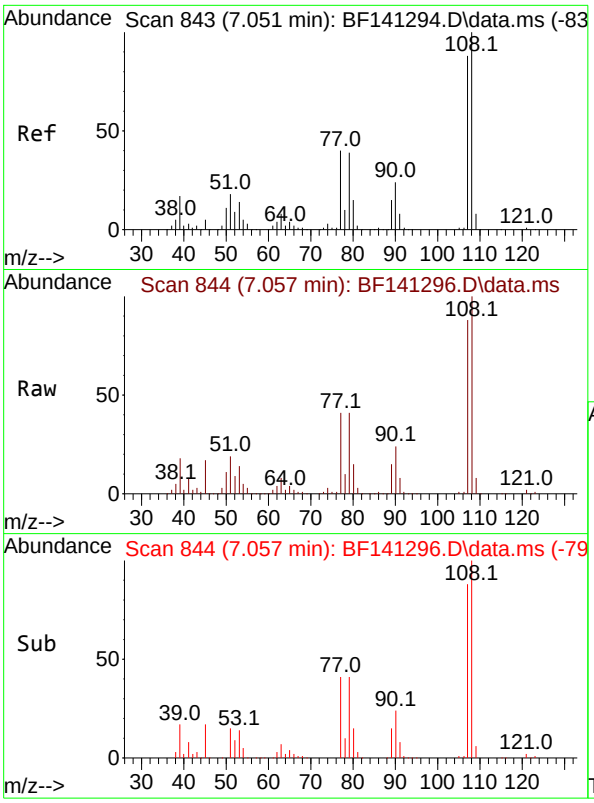



#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.194 ng
RT: 7.081 min Scan# 848
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 45 Resp: 859130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 12.0 | 0.0 | 31.8 |
| 79 | 9.4 | 0.0 | 29.1 |

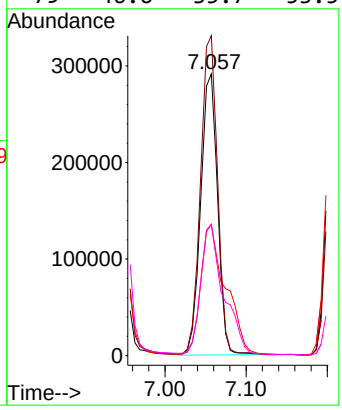





#17
2-Methylphenol
Concen: 58.211 ng
RT: 7.057 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:107 Resp: 42059

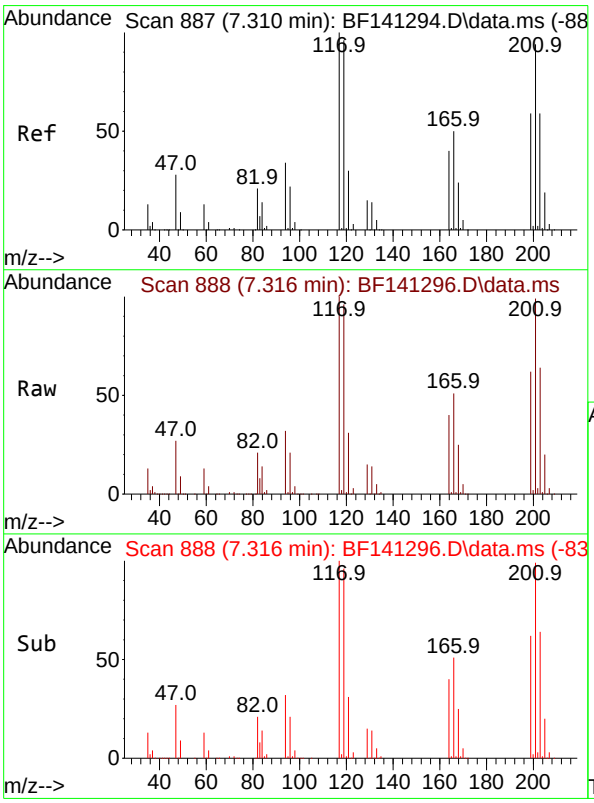
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.6 | 90.8 | 136.2 |
| 77 | 46.6 | 36.2 | 54.4 |
| 79 | 46.6 | 35.7 | 53.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

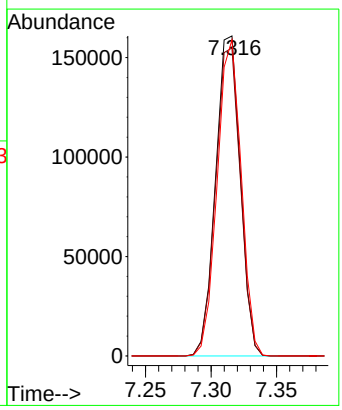
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

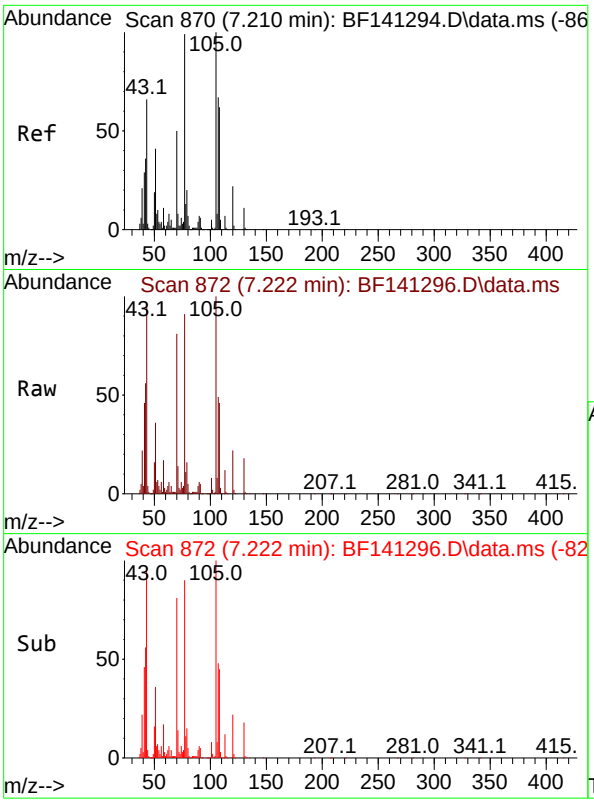



#18
Hexachloroethane
Concen: 57.649 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:117 Resp: 210746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.3 | 76.6 | 114.8 |
| 201 | 98.8 | 74.8 | 112.2 |

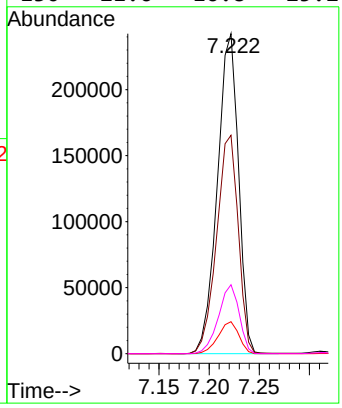





#19
n-Nitroso-di-n-propylamine
Concen: 56.162 ng
RT: 7.222 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 70 Resp: 35503

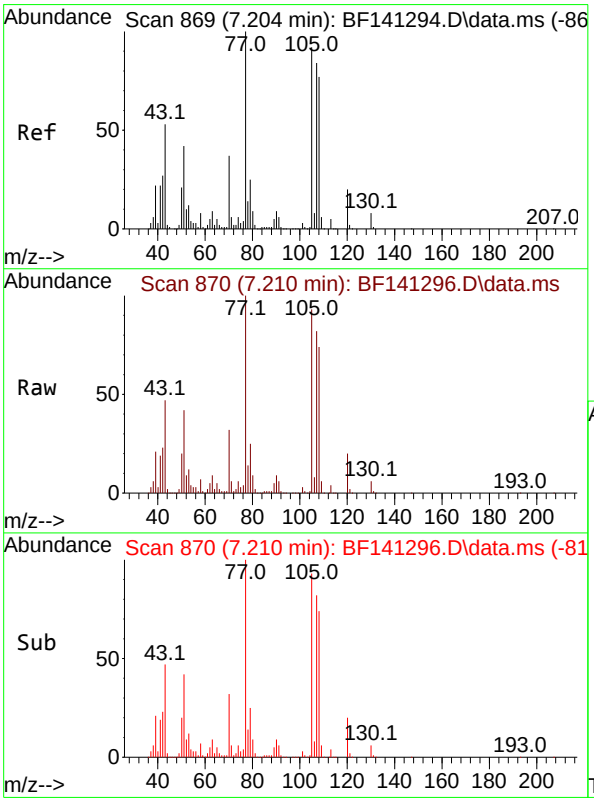
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 68.3 | 56.8 | 85.2 |
| 101 | 10.0 | 7.7 | 11.5 |
| 130 | 21.6 | 16.8 | 25.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

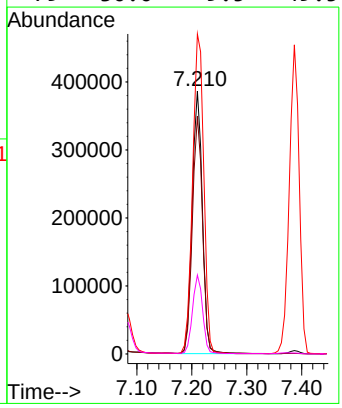
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

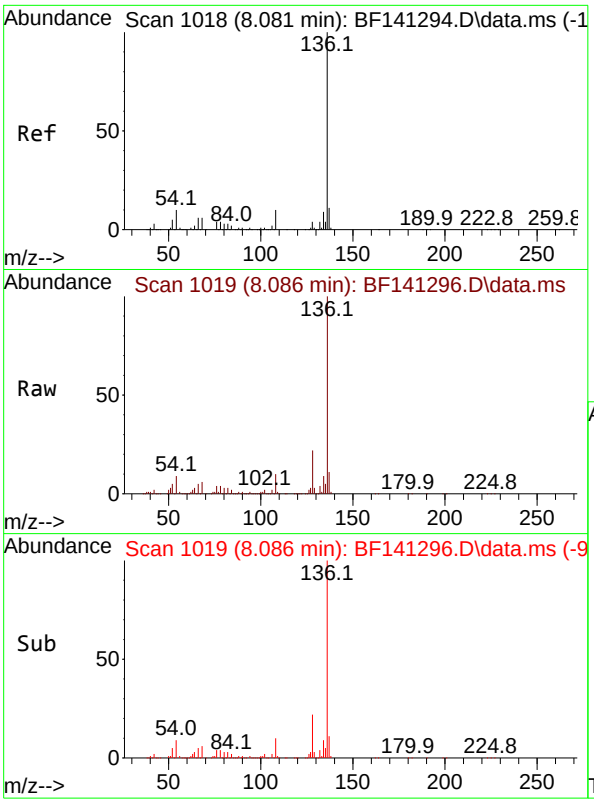



#20
3+4-Methylphenols
Concen: 54.781 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:107 Resp: 496888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.4 | 70.9 | 110.9 |
| 77 | 121.7 | 98.5 | 138.5 |
| 79 | 30.0 | 9.5 | 49.5 |

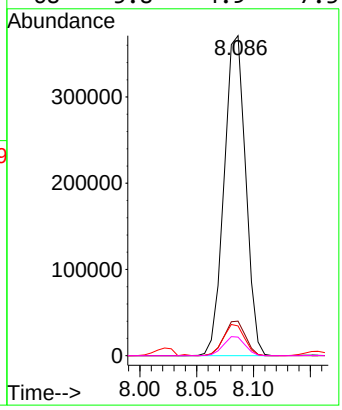





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:136 Resp: 49077

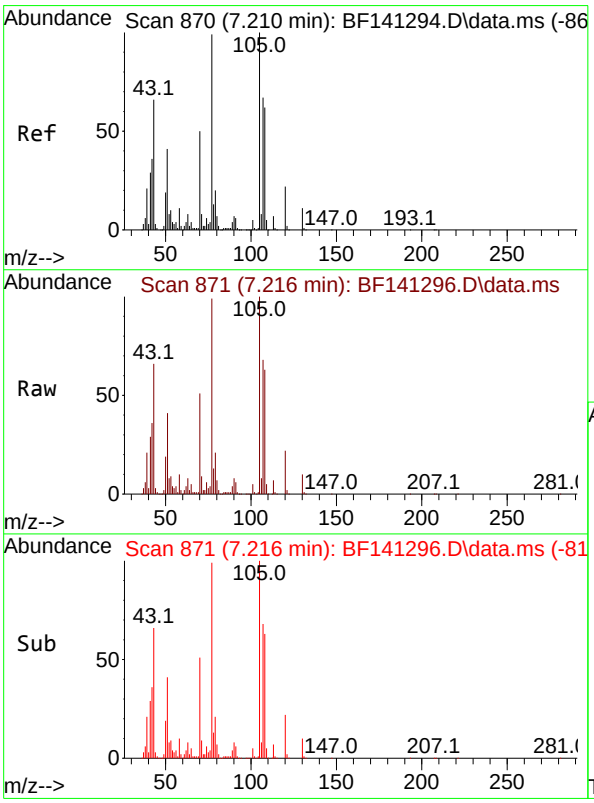
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.6 | 13.0 |
| 54 | 9.3 | 7.8 | 11.8 |
| 68 | 5.8 | 4.9 | 7.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

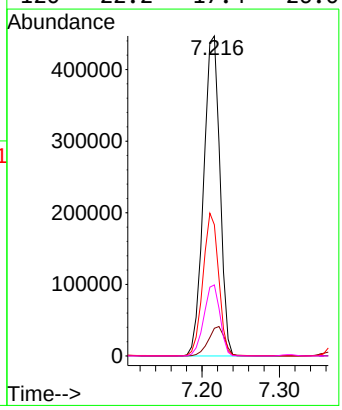
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

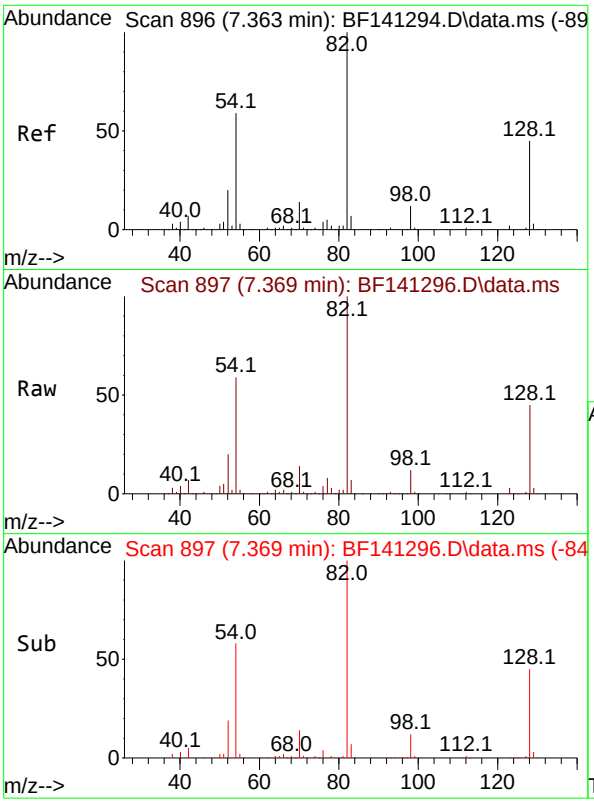



#22
Acetophenone
Concen: 53.679 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:105 Resp: 651575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.6 | 6.8 | 10.2 |
| 51 | 41.0 | 32.6 | 49.0 |
| 120 | 22.2 | 17.4 | 26.0 |

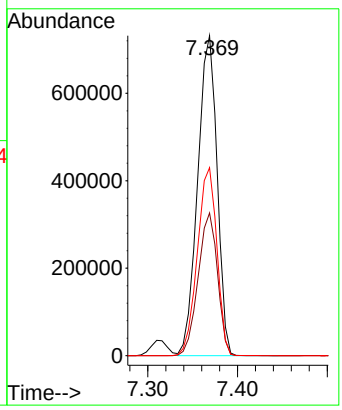





#23
Nitrobenzene-d5
Concen: 115.711 ng
RT: 7.369 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 82 Resp: 109819

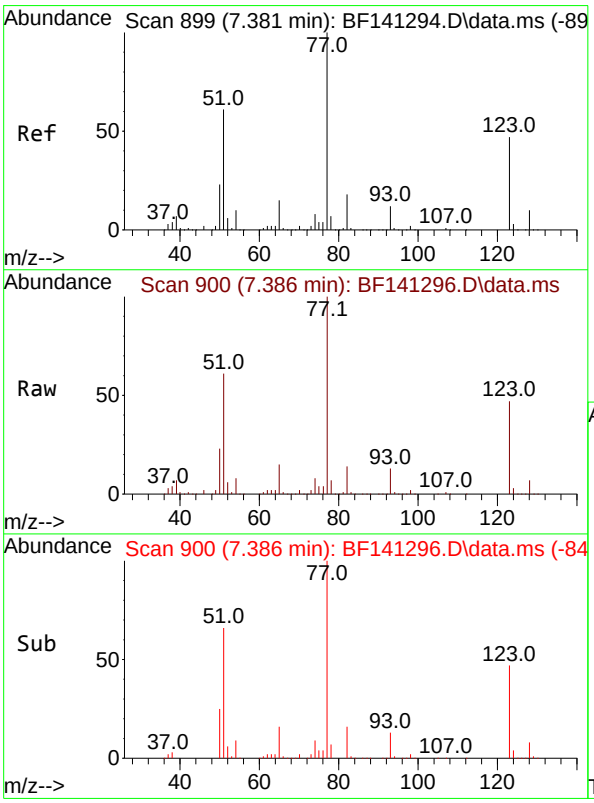
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.6 | 35.7 | 53.5 |
| 54 | 58.7 | 47.1 | 70.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

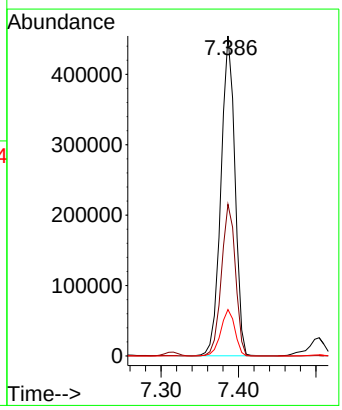
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

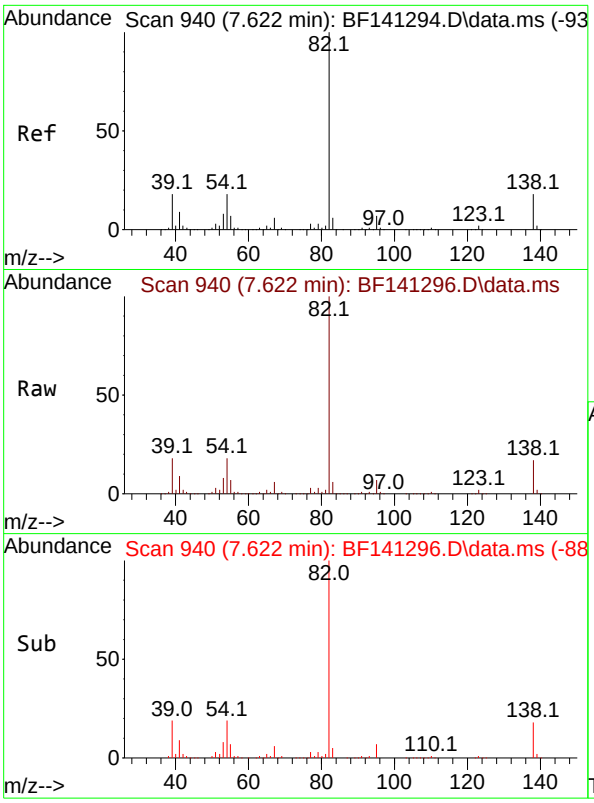



#24
Nitrobenzene
Concen: 58.138 ng
RT: 7.386 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 77 Resp: 572234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.4 | 37.3 | 55.9 |
| 65 | 14.5 | 11.8 | 17.6 |

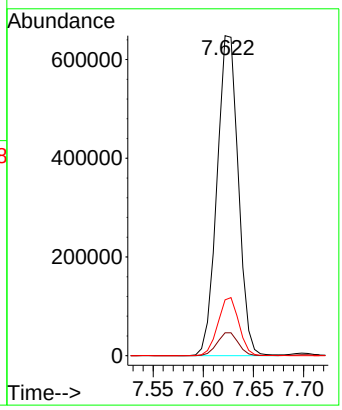





#25
Isophorone
Concen: 58.383 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 82 Resp: 95367

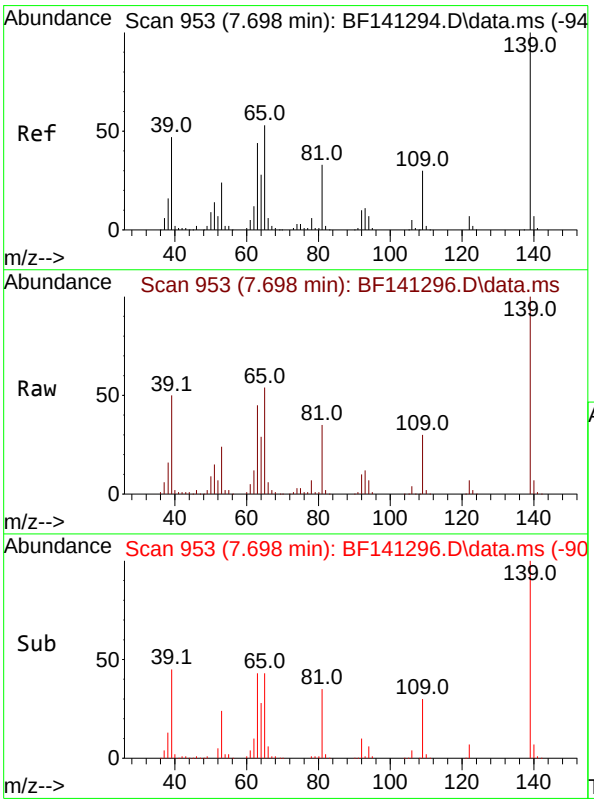
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.2 | 5.8 | 8.6 |
| 138 | 17.5 | 14.7 | 22.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

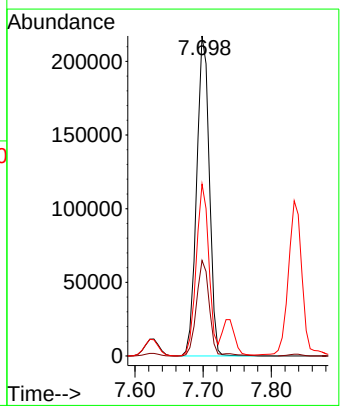
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

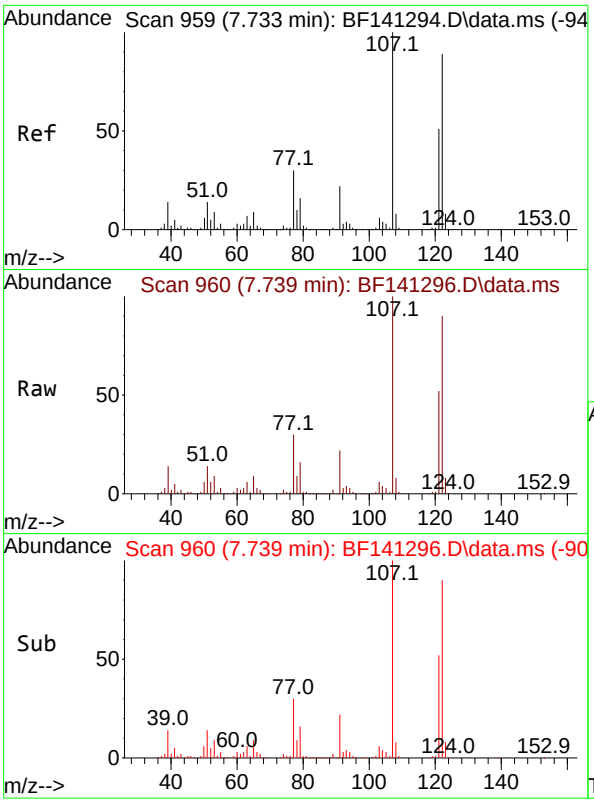



#26
2-Nitrophenol
Concen: 61.652 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:139 Resp: 280785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.9 | 23.8 | 35.6 |
| 65 | 53.7 | 42.2 | 63.4 |

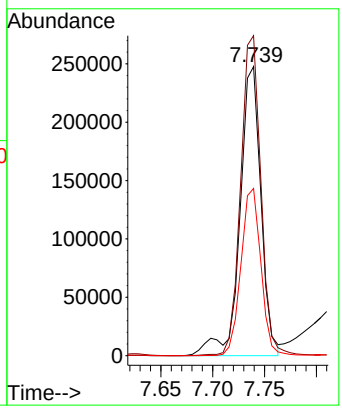





#27
2,4-Dimethylphenol
Concen: 60.006 ng m
RT: 7.739 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:122 Resp: 35078

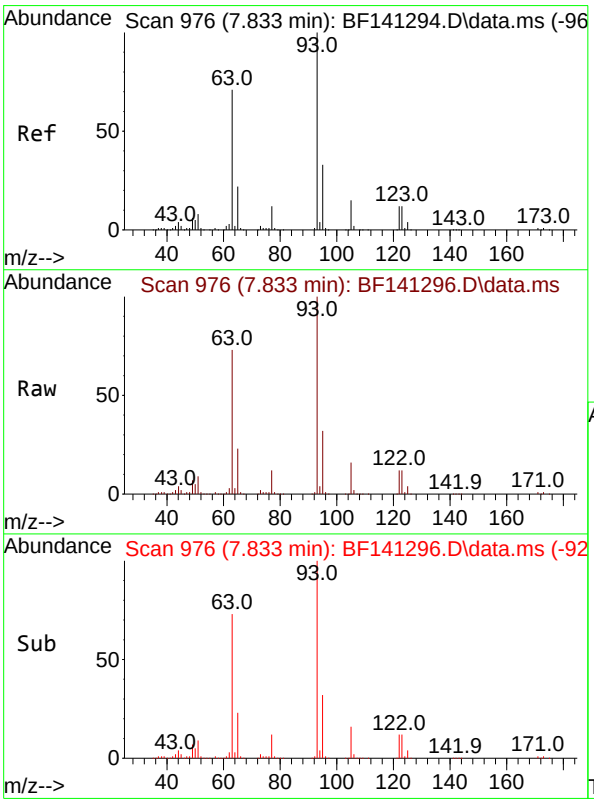
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 110.7 | 89.9 | 134.9 |
| 121 | 57.8 | 46.1 | 69.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

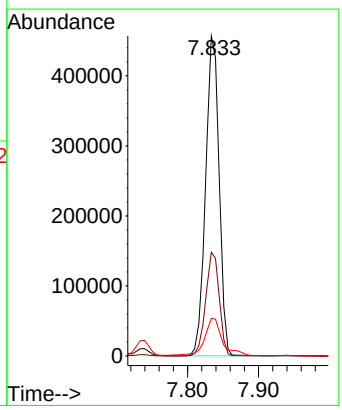
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

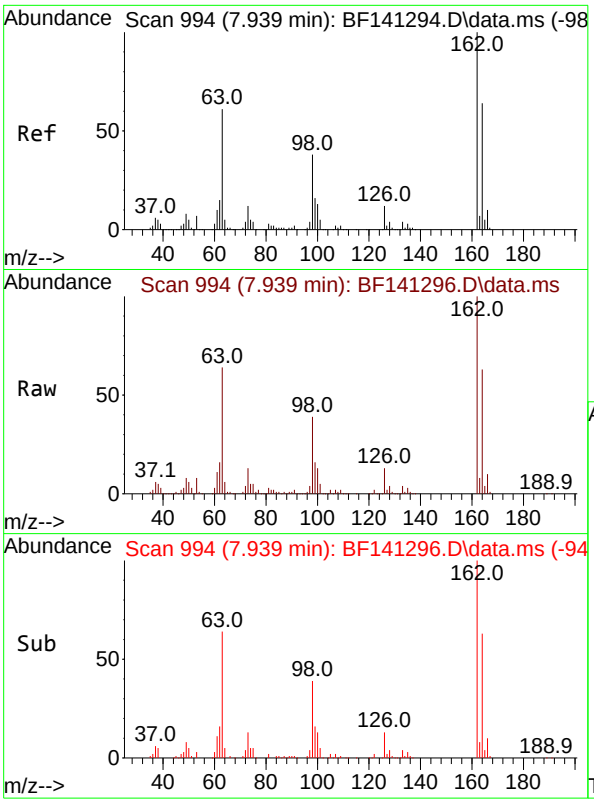



#28
bis(2-Chloroethoxy)methane
Concen: 57.853 ng
RT: 7.833 min Scan# 976
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 93 Resp: 605644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 26.2 | 39.2 |
| 123 | 11.8 | 10.2 | 15.4 |






#29
2,4-Dichlorophenol
Concen: 58.315 ng
RT: 7.939 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

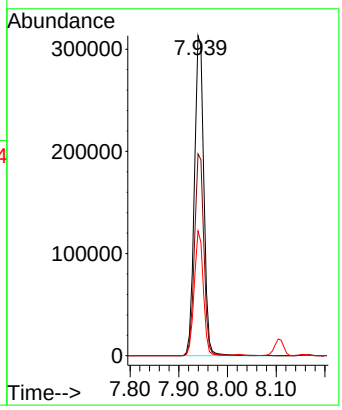
Tgt Ion:162 Resp: 42174

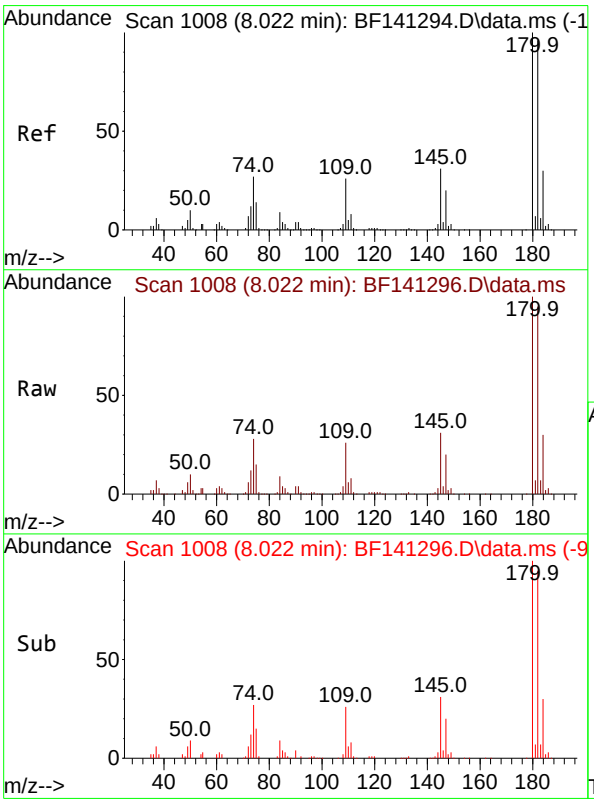
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.0 | 44.2 | 84.2 |
| 98 | 38.9 | 18.2 | 58.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

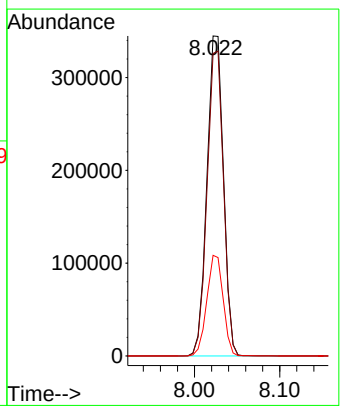


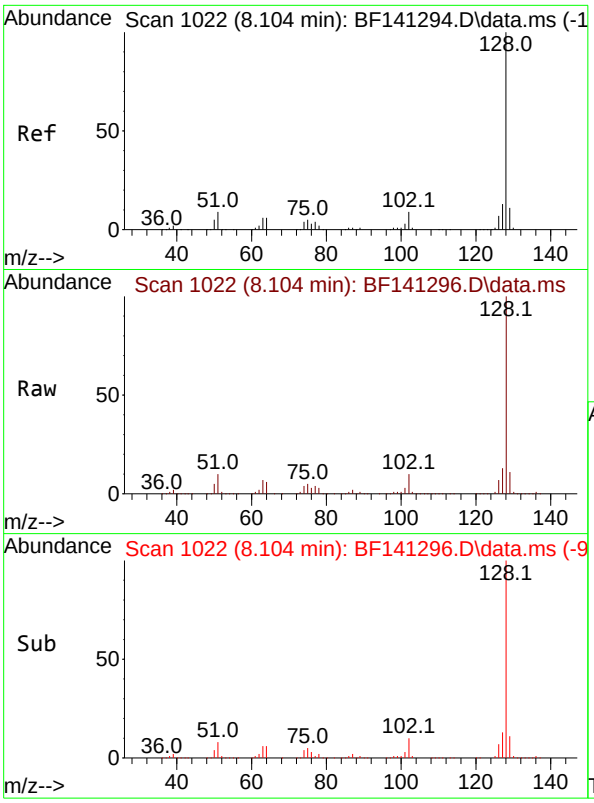




#30
1,2,4-Trichlorobenzene
Concen: 55.787 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:180 Resp: 465841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 76.4 | 114.6 |
| 145 | 31.4 | 24.9 | 37.3 |






#31
Naphthalene
Concen: 54.933 ng
RT: 8.104 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

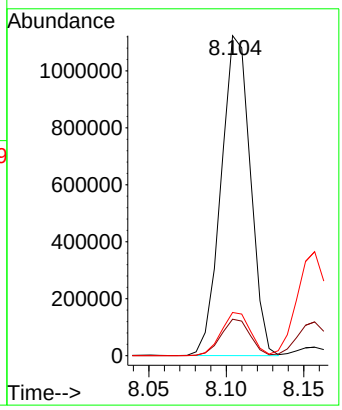
Tgt Ion:128 Resp: 147590(

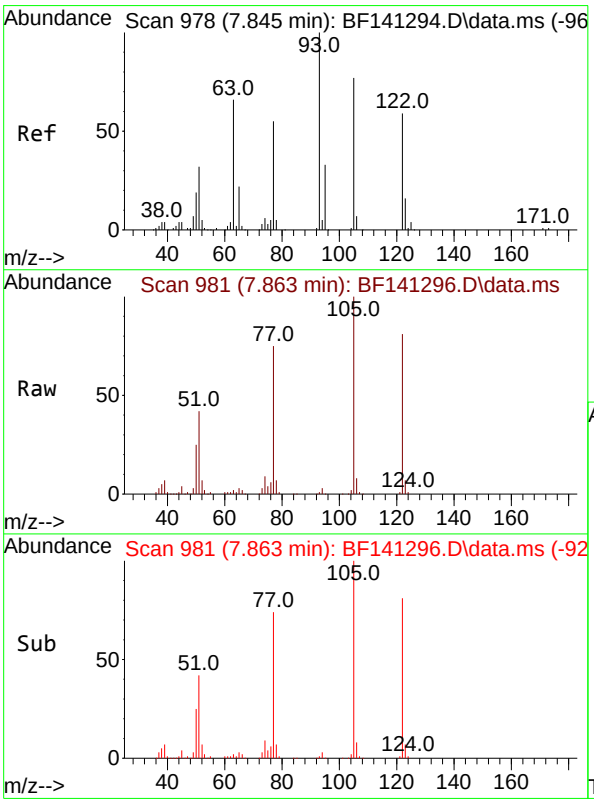
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.4 | 8.9 | 13.3 |
| 127 | 13.5 | 10.6 | 15.8 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

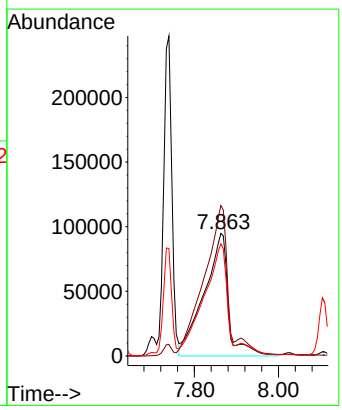


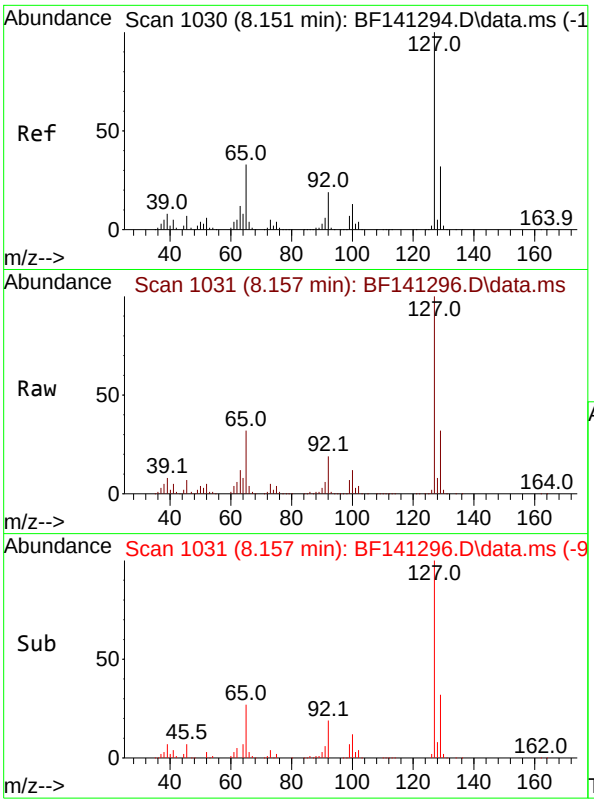




#32
Benzoic acid
Concen: 76.193 ng m
RT: 7.863 min Scan# 981
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:122 Resp: 380664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 122.7 | 103.4 | 143.4 |
| 77 | 91.6 | 70.9 | 110.9 |

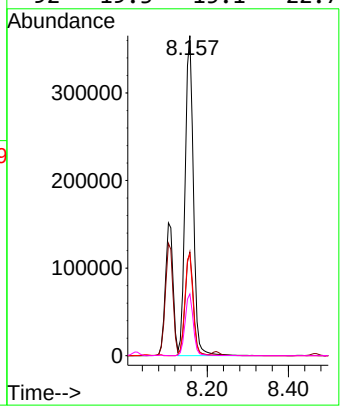





#33
4-Chloroaniline
Concen: 56.786 ng
RT: 8.157 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:127 Resp: 51314

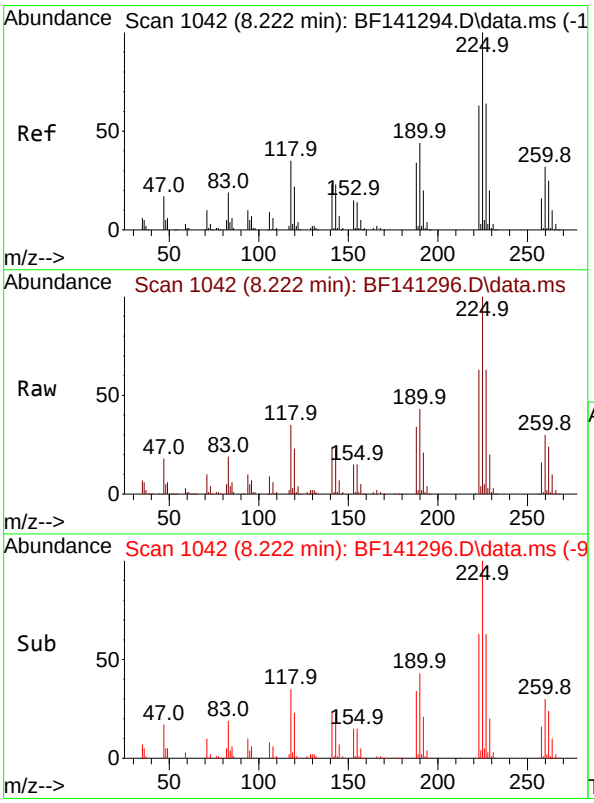
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.4 | 25.7 | 38.5 |
| 65 | 31.7 | 26.4 | 39.6 |
| 92 | 19.3 | 15.1 | 22.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

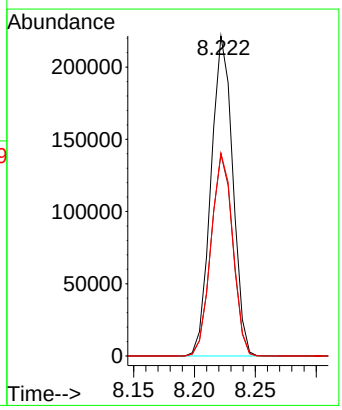
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

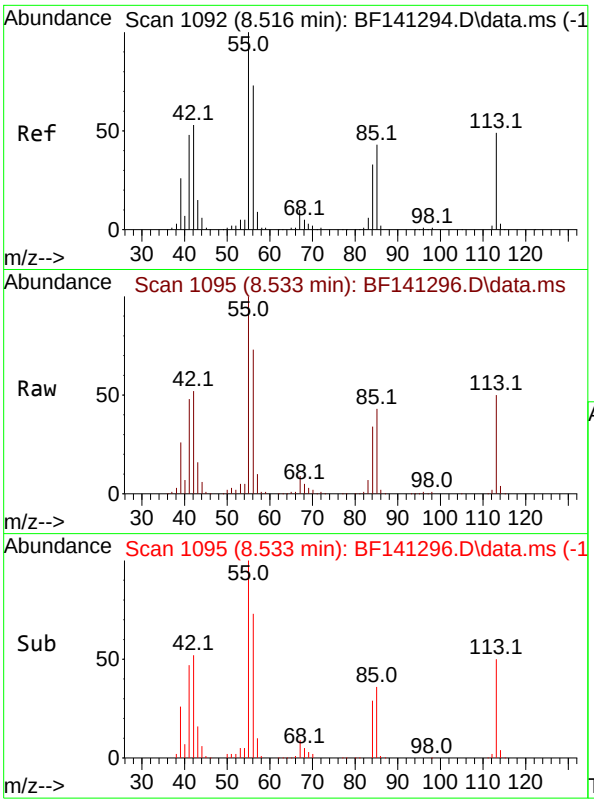



#34
Hexachlorobutadiene
Concen: 56.533 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:225 Resp: 275524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 50.4 | 75.6 |
| 227 | 63.4 | 51.3 | 76.9 |

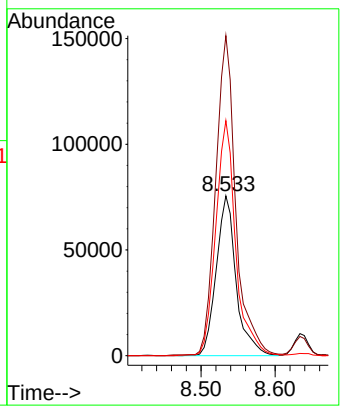





#35
Caprolactam
Concen: 60.337 ng
RT: 8.533 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:113 Resp: 14102

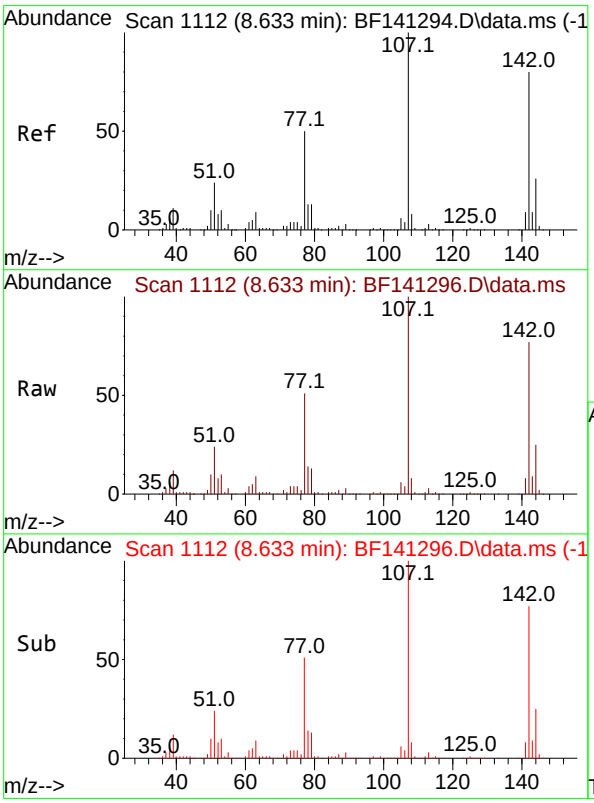
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 200.2 | 182.9 | 222.9 |
| 56 | 147.0 | 127.9 | 167.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

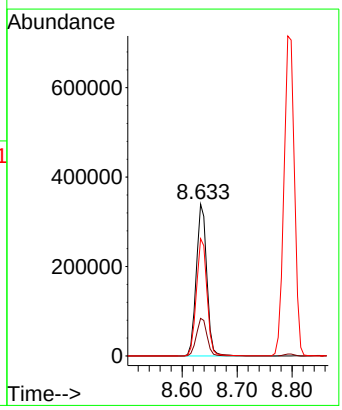
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

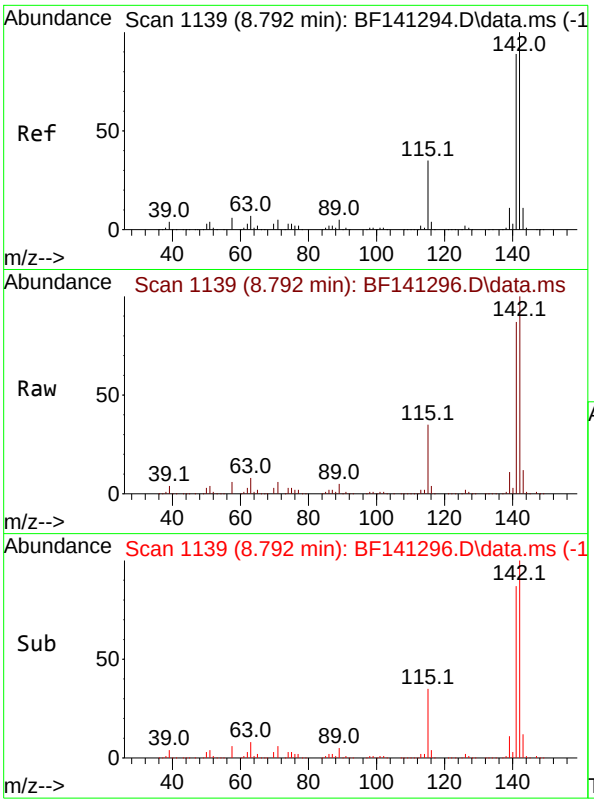



#36
4-Chloro-3-methylphenol
Concen: 58.389 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:107 Resp: 452438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.8 | 20.7 | 31.1 |
| 142 | 77.2 | 63.8 | 95.8 |






#37
2-Methylnaphthalene
Concen: 55.126 ng
RT: 8.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

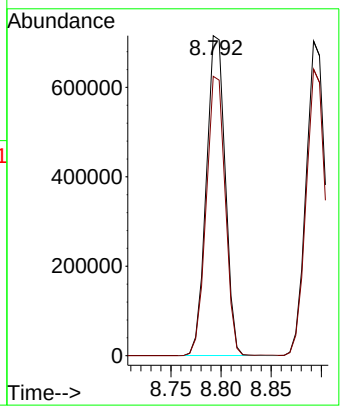
Tgt Ion:142 Resp: 94115

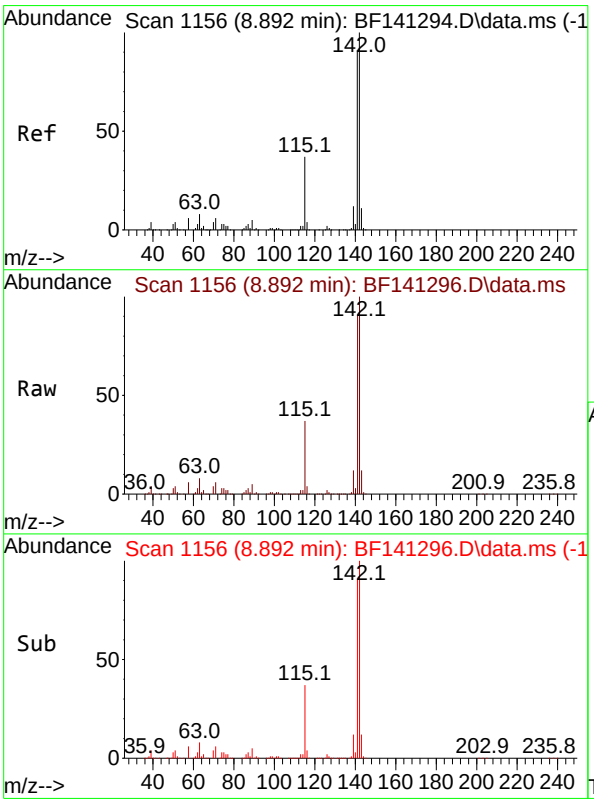
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.3 | 71.3 | 106.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

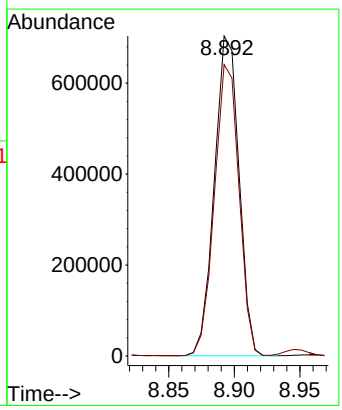


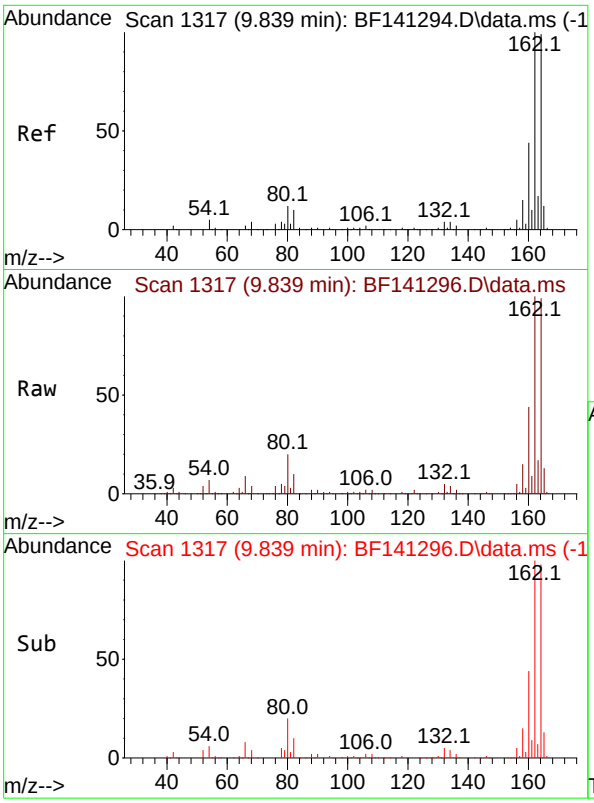




#38
1-Methylnaphthalene
Concen: 54.632 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:142 Resp: 917389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.1 | 73.2 | 109.8 |

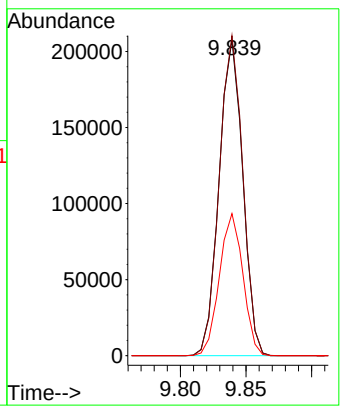





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:164 Resp: 26026

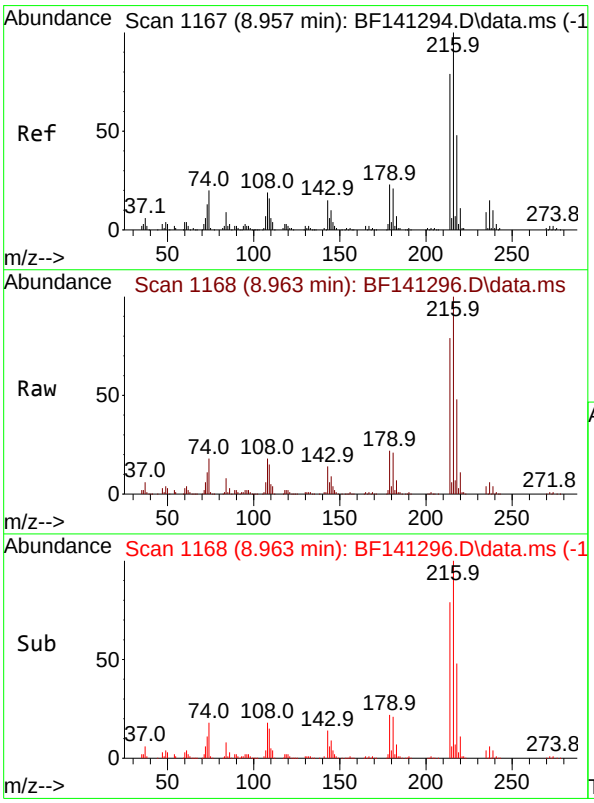
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.4 | 80.6 | 121.0 |
| 160 | 45.0 | 35.8 | 53.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

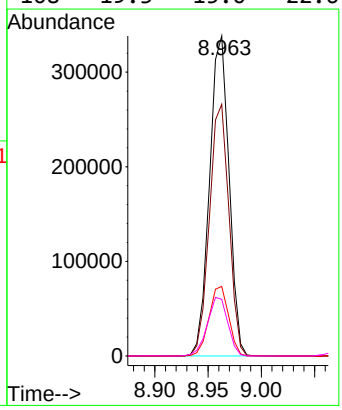
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

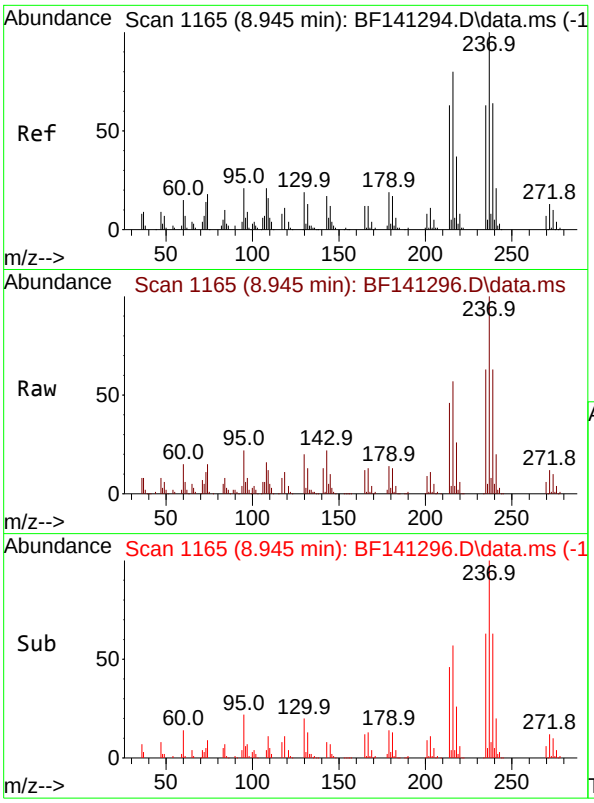



#40
1,2,4,5-Tetrachlorobenzene
Concen: 56.609 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:216 Resp: 430239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.9 | 63.2 | 94.8 |
| 179 | 22.0 | 17.8 | 26.8 |
| 108 | 19.3 | 15.0 | 22.6 |






#41
Hexachlorocyclopentadiene
Concen: 66.154 ng
RT: 8.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

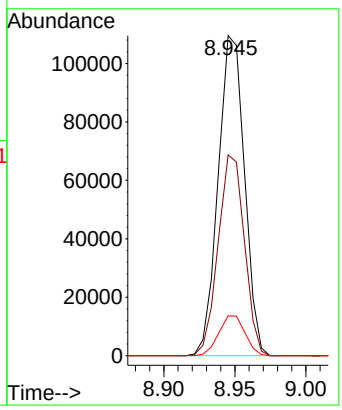
Tgt Ion:237 Resp: 14138

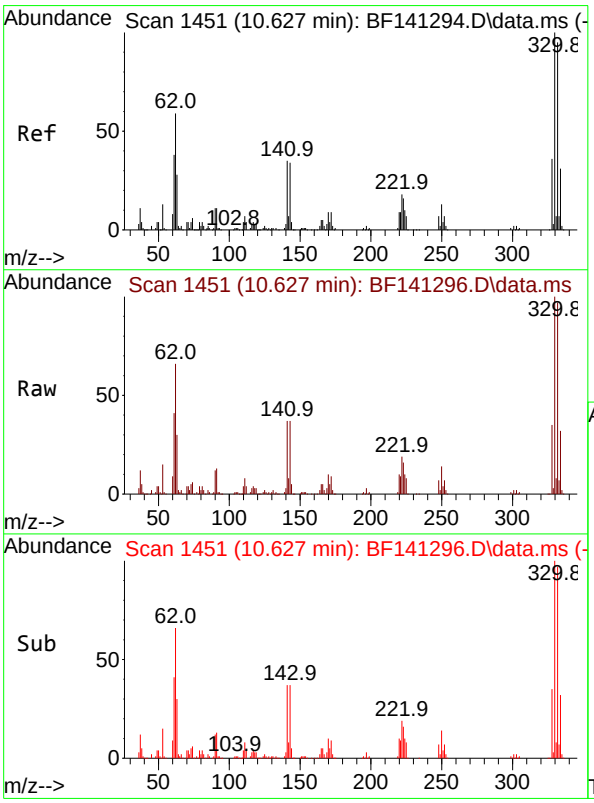
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.8 | 42.9 | 82.9 |
| 272 | 12.5 | 0.0 | 32.8 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

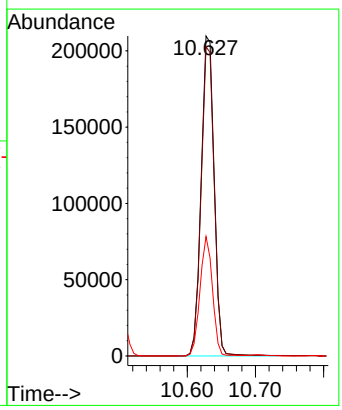


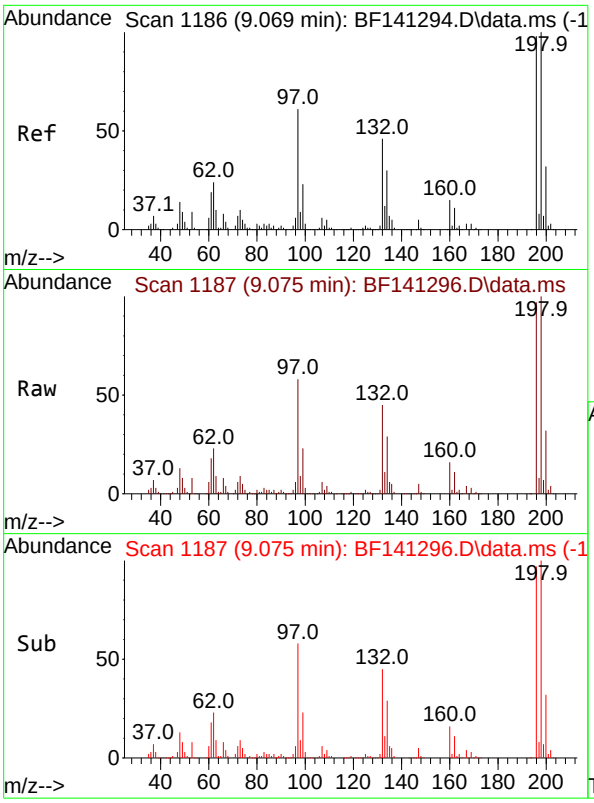




#42
2,4,6-Tribromophenol
Concen: 113.824 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:330 Resp: 279105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 76.1 | 114.1 |
| 141 | 35.8 | 28.8 | 43.2 |

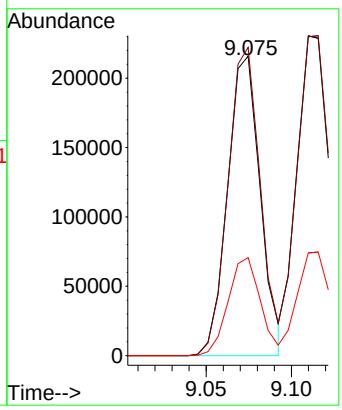





#43
2,4,6-Trichlorophenol
Concen: 58.588 ng
RT: 9.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:196 Resp: 28829

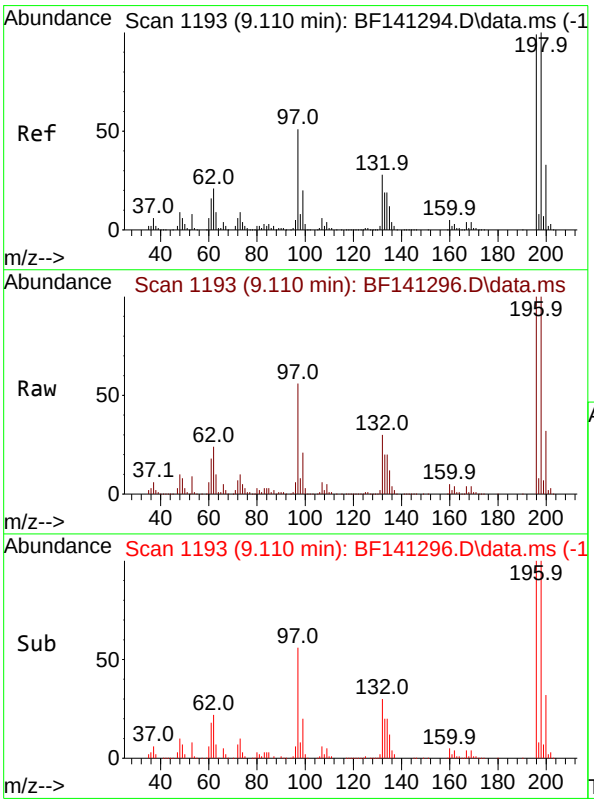
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 102.9 | 81.8 | 122.6 |
| 200 | 32.7 | 26.3 | 39.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

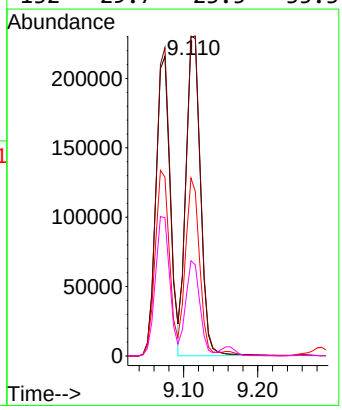
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

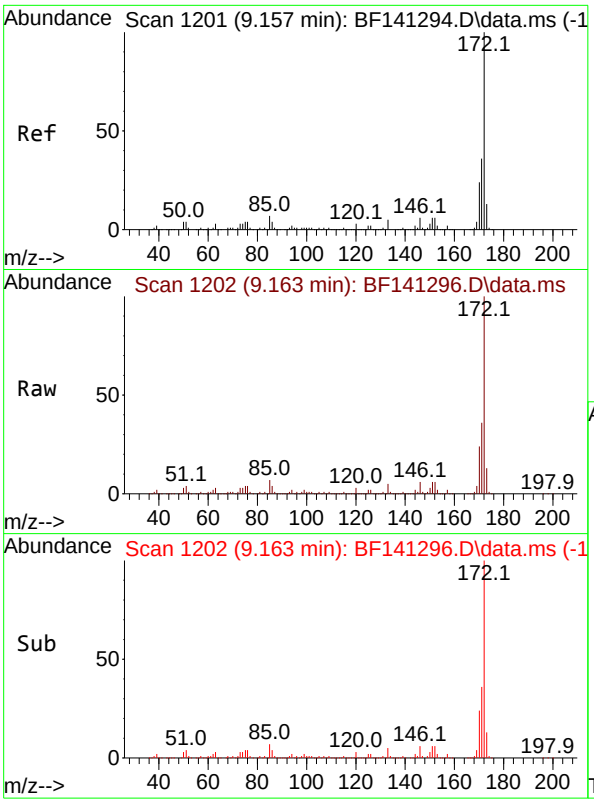



#44
2,4,5-Trichlorophenol
Concen: 59.000 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:196 Resp: 314912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.7 | 80.5 | 120.7 |
| 97 | 55.7 | 42.8 | 64.2 |
| 132 | 29.7 | 23.5 | 35.3 |

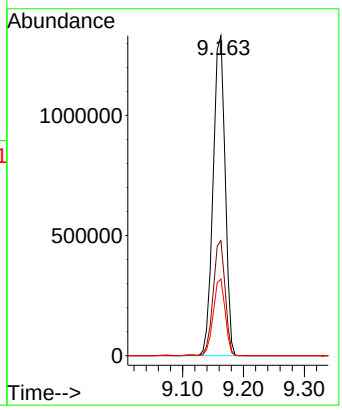





#45
2-Fluorobiphenyl
Concen: 102.411 ng
RT: 9.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:172 Resp: 182437

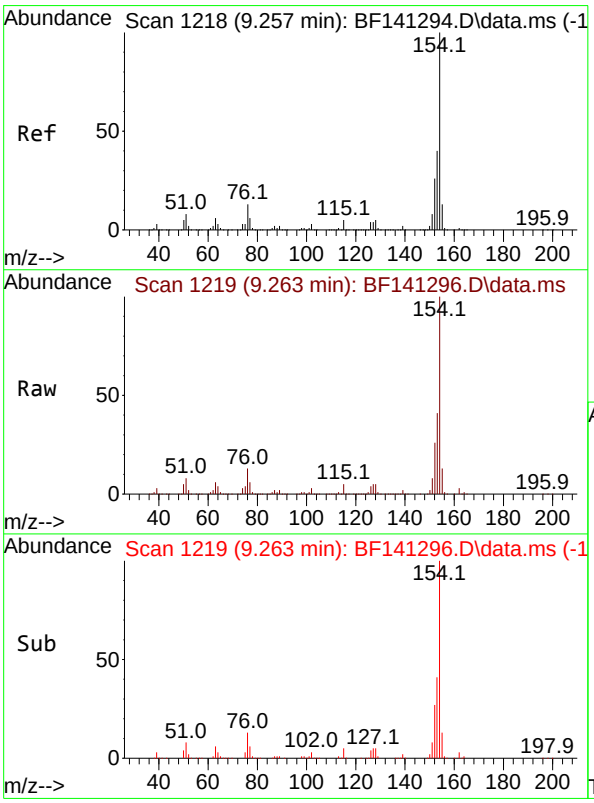
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 28.8 | 43.2 |
| 170 | 24.0 | 19.0 | 28.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

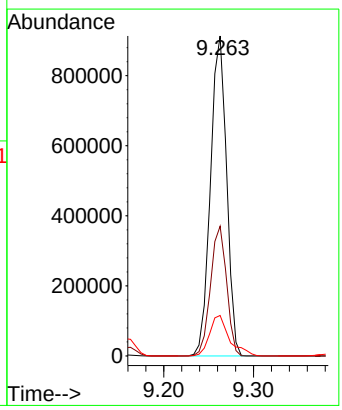
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

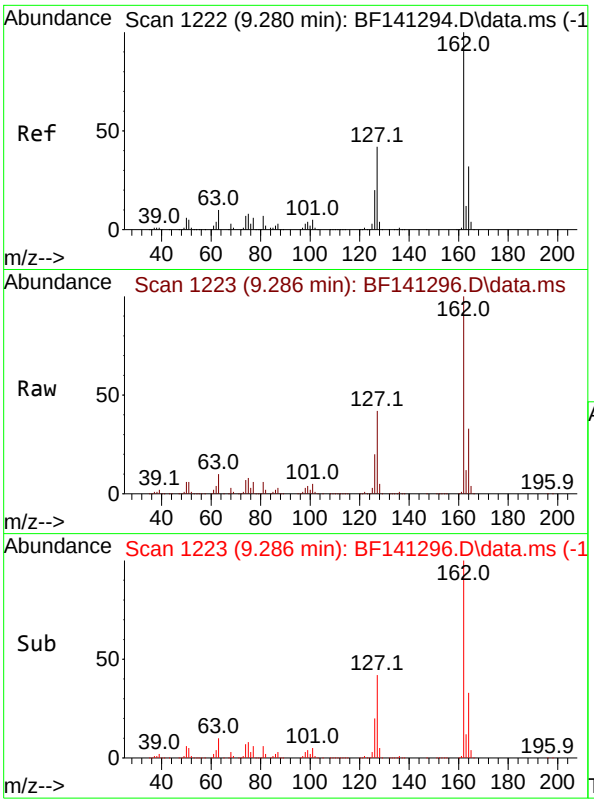



#46
1,1'-Biphenyl
Concen: 54.084 ng
RT: 9.263 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:154 Resp: 1139946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.6 | 20.0 | 60.0 |
| 76 | 12.7 | 0.0 | 32.8 |

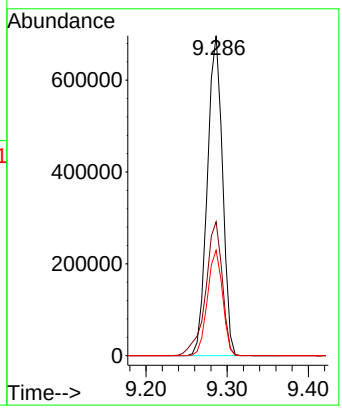





#47
2-Chloronaphthalene
Concen: 55.247 ng
RT: 9.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:162 Resp: 90256

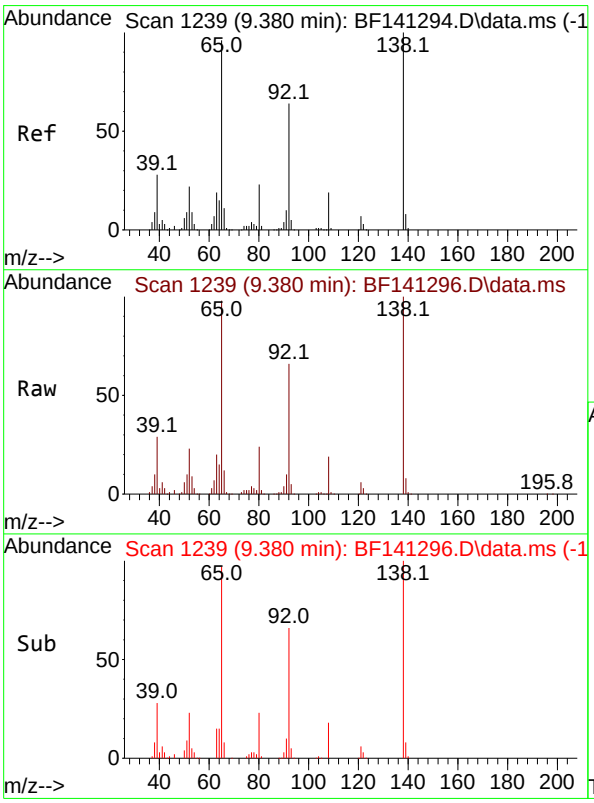
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.8 | 33.7 | 50.5 |
| 164 | 33.0 | 25.9 | 38.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

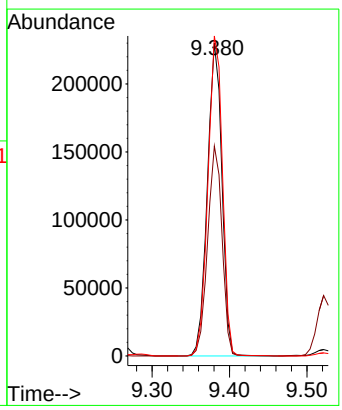
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

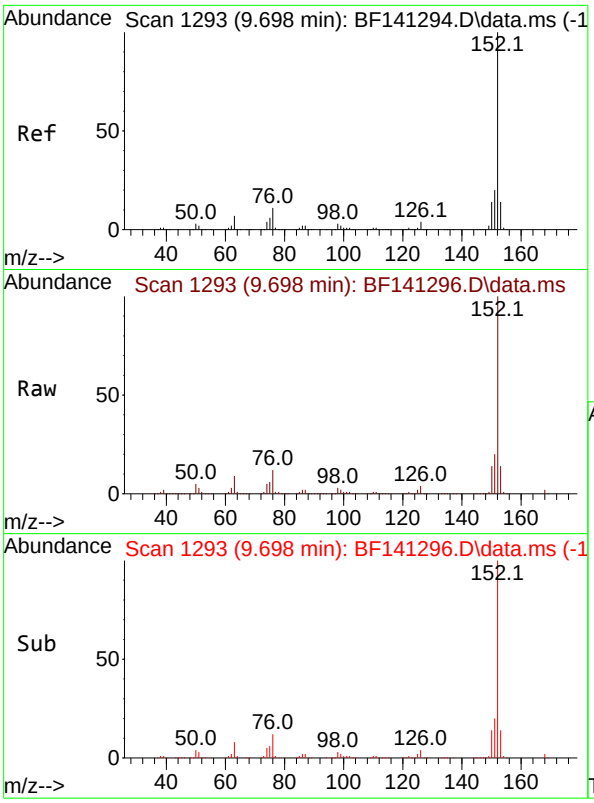



#48
2-Nitroaniline
Concen: 59.861 ng
RT: 9.380 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 65 Resp: 300339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 67.1 | 53.3 | 79.9 |
| 138 | 102.3 | 83.6 | 125.4 |






#49
Acenaphthylene
Concen: 54.924 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

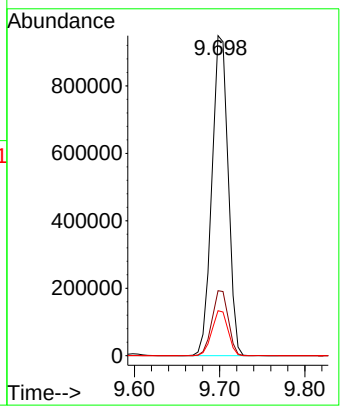
Tgt Ion:152 Resp: 125873

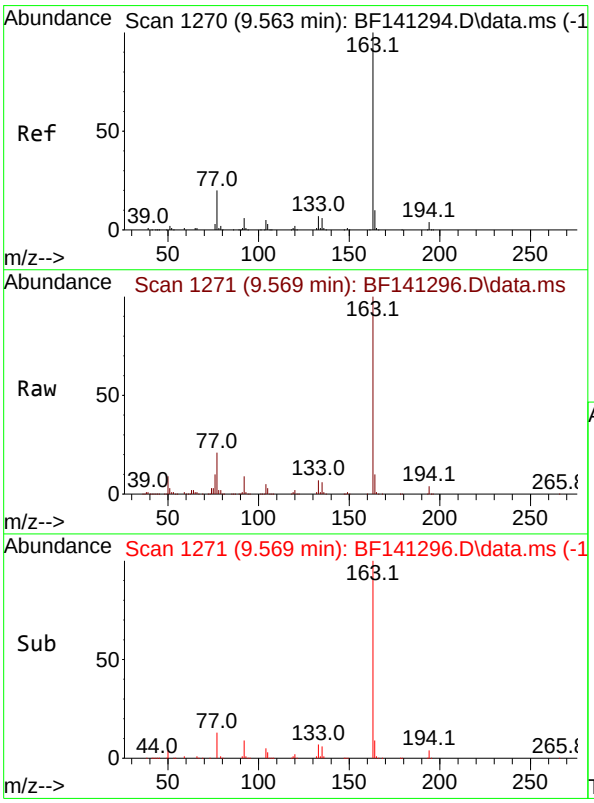
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.2 | 24.2 |
| 153 | 14.1 | 11.0 | 16.6 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

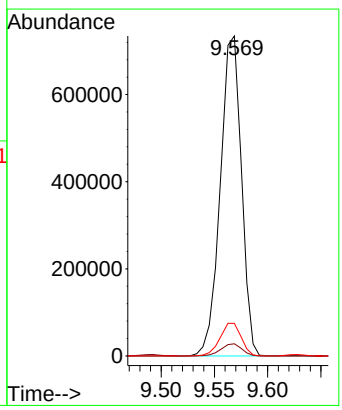


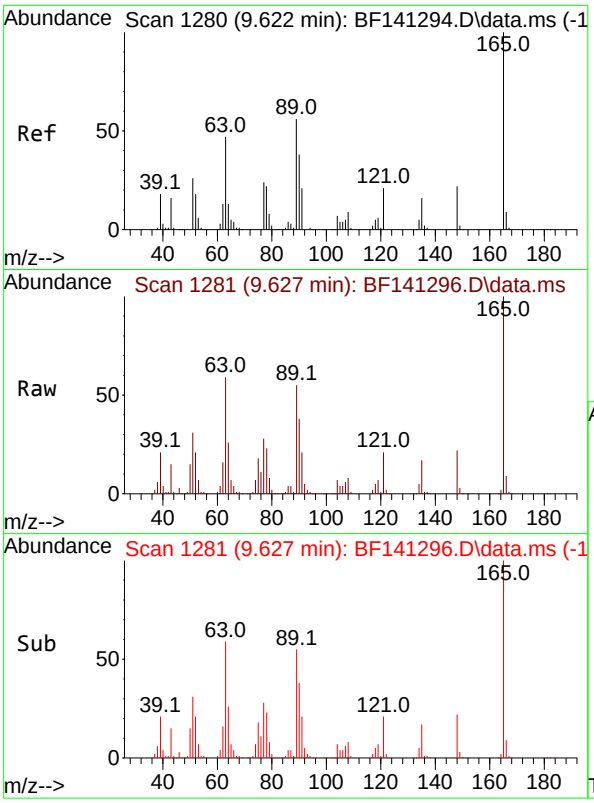




#50
Dimethylphthalate
Concen: 56.075 ng
RT: 9.569 min Scan# 1271
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:163 Resp: 1012298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.6 |
| 164 | 10.2 | 8.0 | 12.0 |

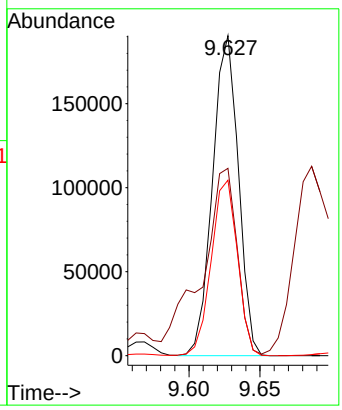





#51
2,6-Dinitrotoluene
Concen: 58.050 ng
RT: 9.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:165 Resp: 24124

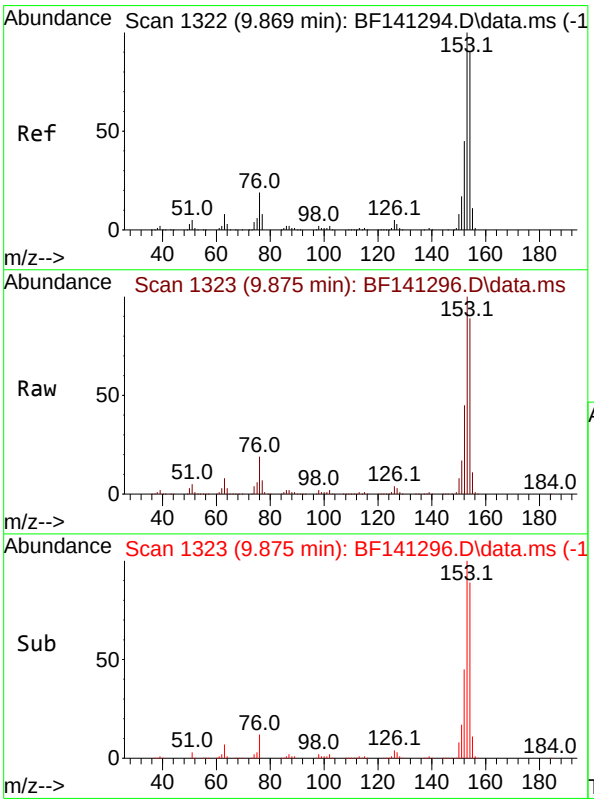
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 58.5 | 48.1 | 72.1 |
| 89 | 54.8 | 44.9 | 67.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

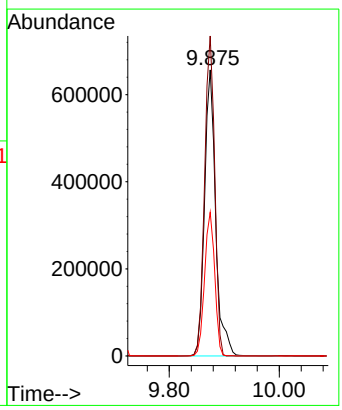
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

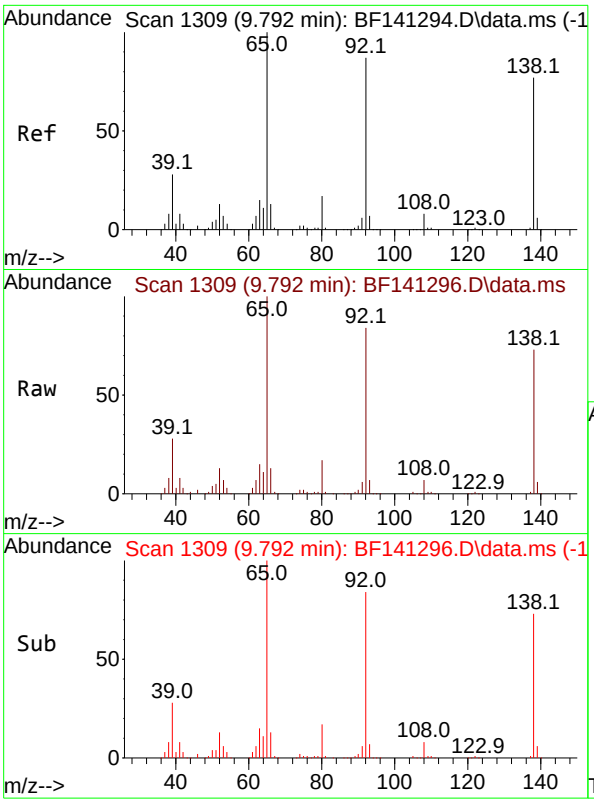



#52
Acenaphthene
Concen: 56.639 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:154 Resp: 921519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.8 | 89.0 | 133.4 |
| 152 | 50.2 | 40.2 | 60.4 |






#53
3-Nitroaniline
Concen: 56.245 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

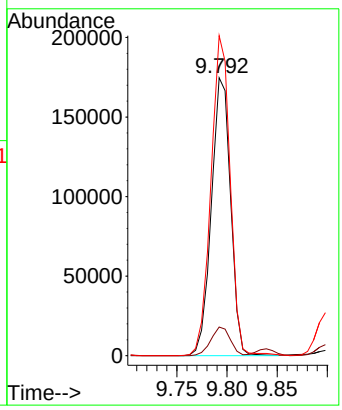
Tgt Ion:138 Resp: 23268

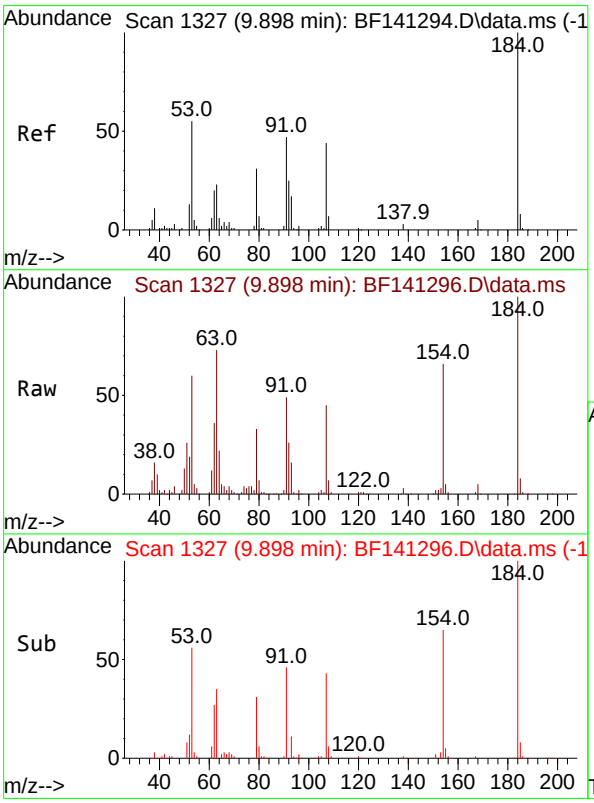
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.3 | 8.6 | 12.8 |
| 92 | 115.2 | 91.0 | 136.6 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

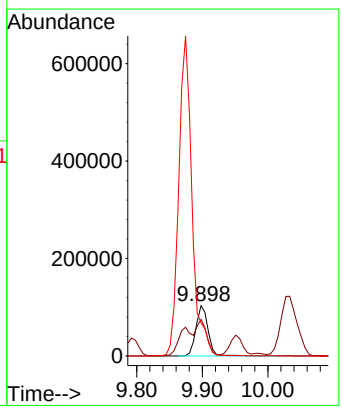


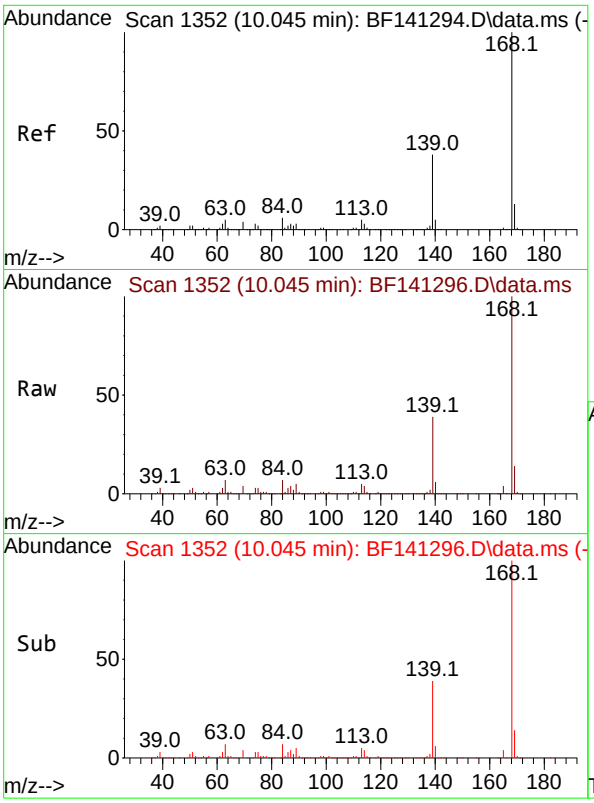




#54
2,4-Dinitrophenol
Concen: 84.109 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:184 Resp: 132244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 72.8 | 54.1 | 81.1 |
| 154 | 65.5 | 50.7 | 76.1 |

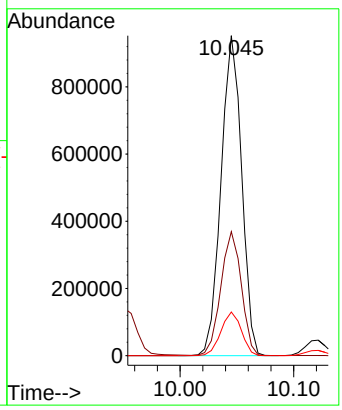





#55
Dibenzofuran
Concen: 54.629 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:168 Resp: 120202

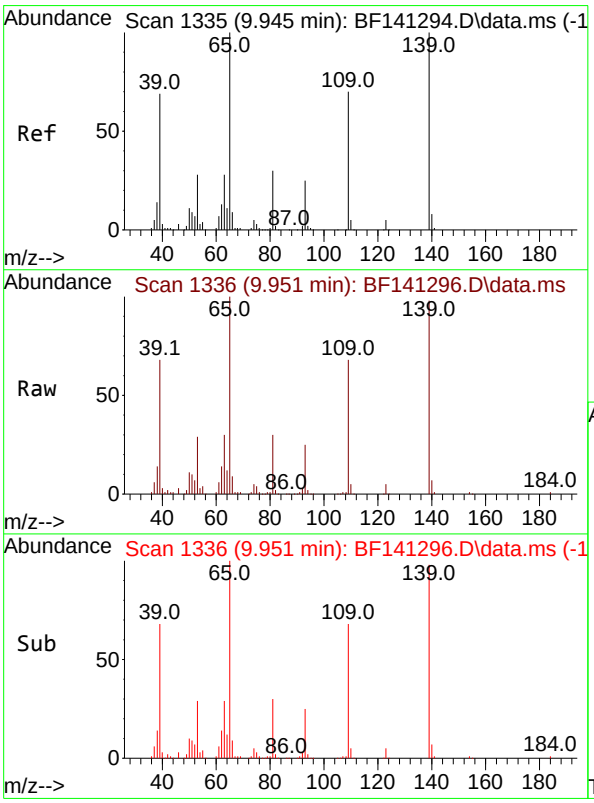
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.8 | 30.6 | 46.0 |
| 169 | 13.7 | 10.8 | 16.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

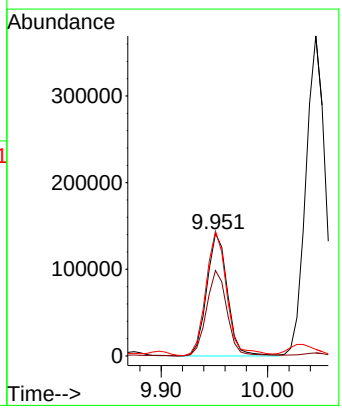
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

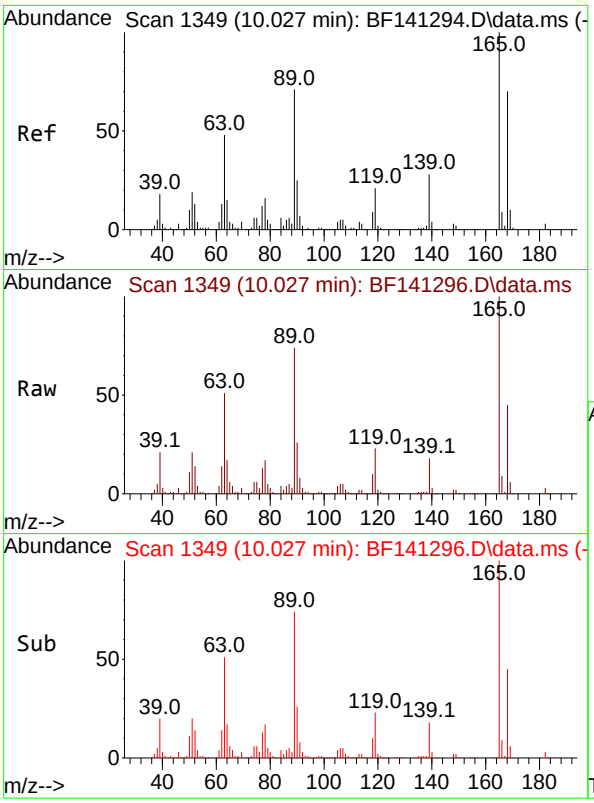



#56
4-Nitrophenol
Concen: 66.120 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:139 Resp: 190620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 69.8 | 50.2 | 90.2 |
| 65 | 102.1 | 80.6 | 120.6 |

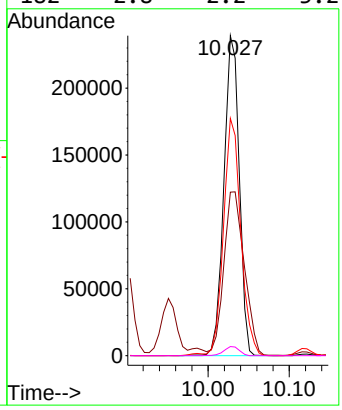





#57
2,4-Dinitrotoluene
Concen: 58.312 ng
RT: 10.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:165 Resp: 31522

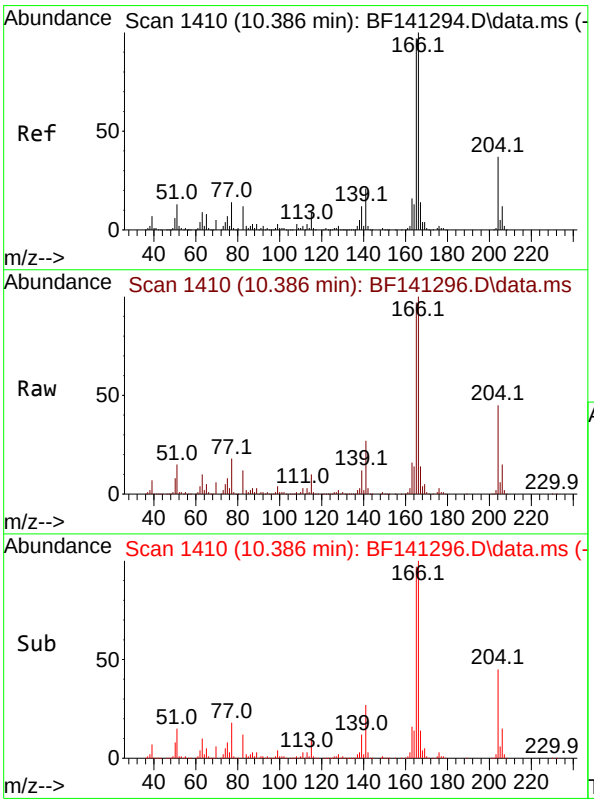
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 51.1 | 39.2 | 58.8 |
| 89 | 74.2 | 56.9 | 85.3 |
| 182 | 2.8 | 2.2 | 3.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

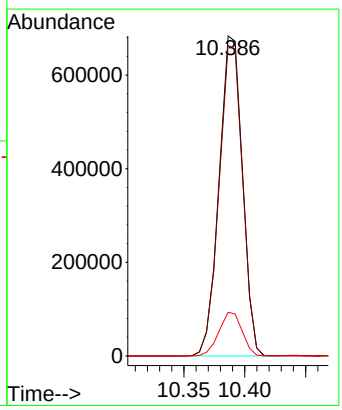
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

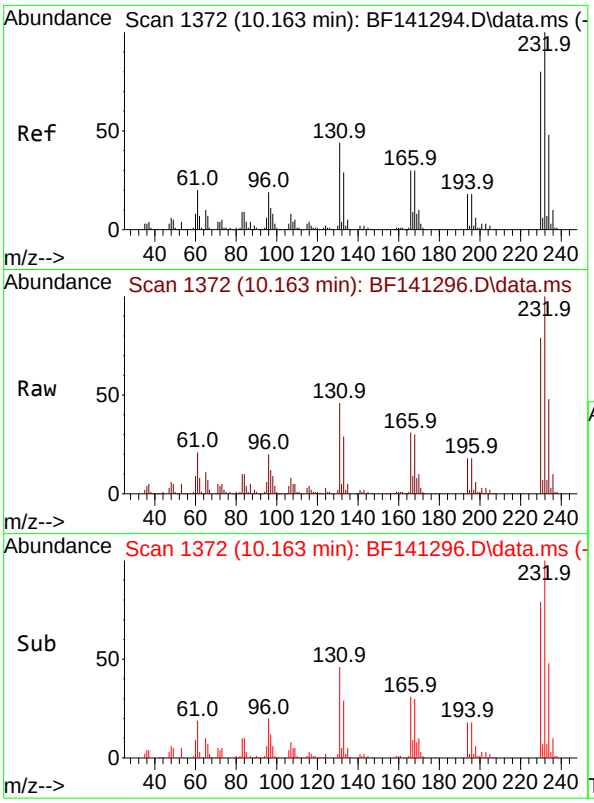



#58
Fluorene
Concen: 53.236 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:166 Resp: 915246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.1 | 77.5 | 116.3 |
| 167 | 13.6 | 10.9 | 16.3 |

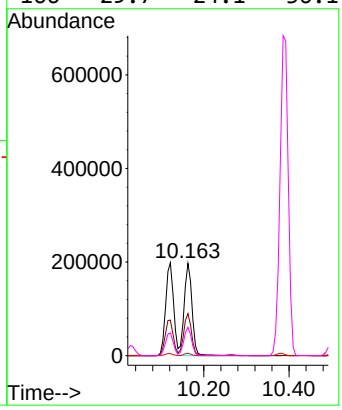





#59
2,3,4,6-Tetrachlorophenol
Concen: 60.106 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:232 Resp: 25296

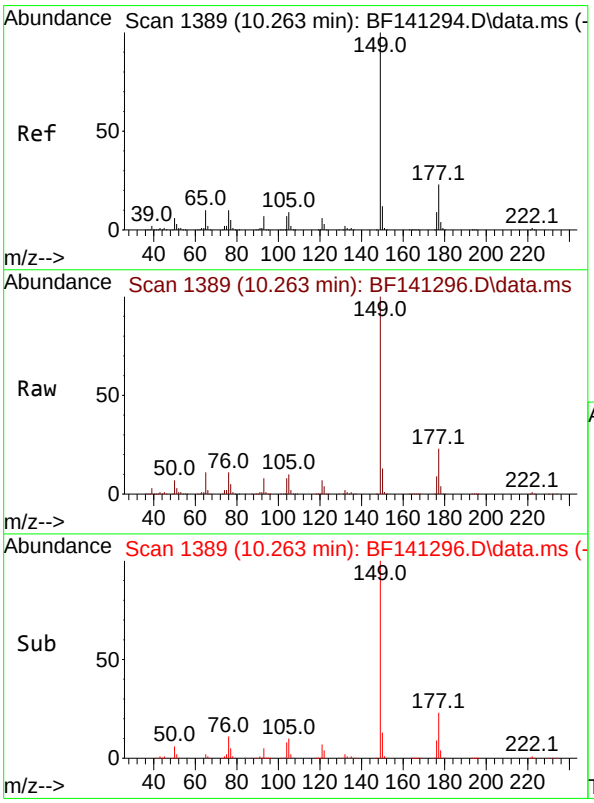
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.3 | 36.4 | 54.6 |
| 130 | 2.3 | 1.9 | 2.9 |
| 166 | 29.7 | 24.1 | 36.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

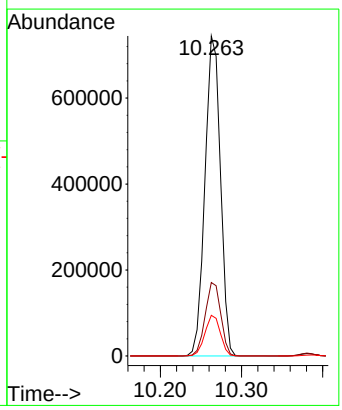
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

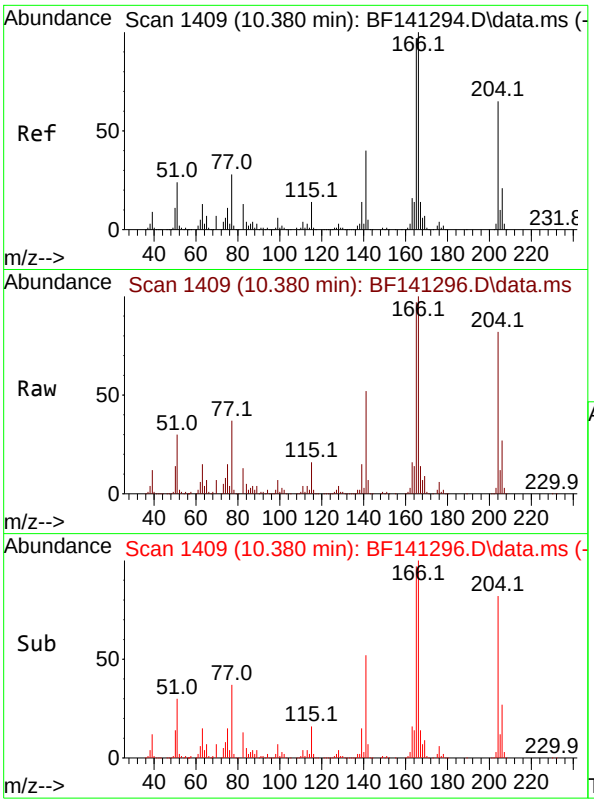



#60
Diethylphthalate
Concen: 55.897 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:149 Resp: 983788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.9 | 18.5 | 27.7 |
| 150 | 12.7 | 10.0 | 15.0 |






#61
4-Chlorophenyl-phenylether
Concen: 53.136 ng
RT: 10.380 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

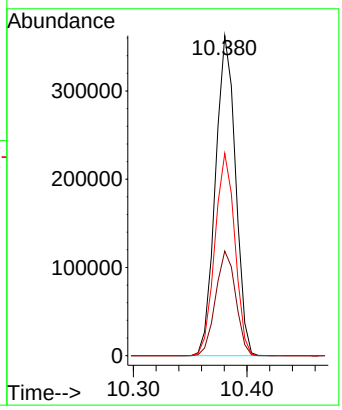
Tgt Ion:204 Resp: 44584

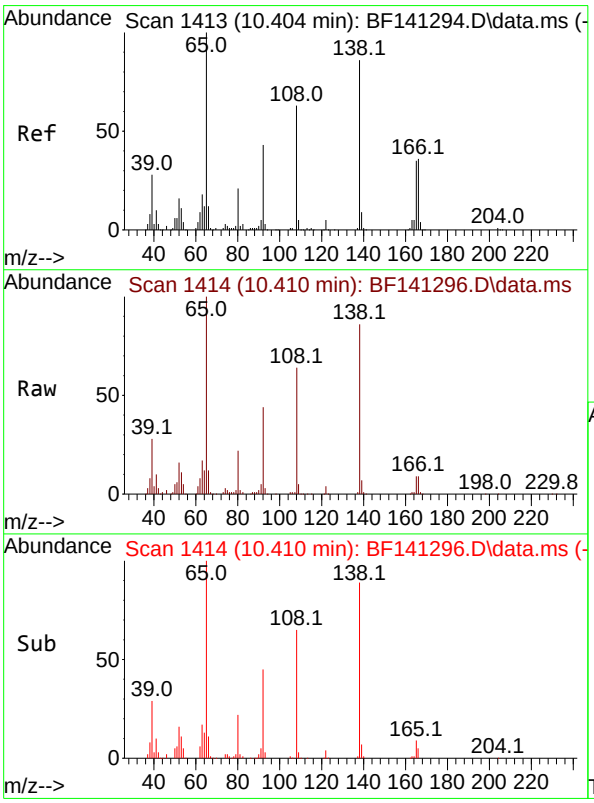
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.7 | 25.9 | 38.9 |
| 141 | 63.2 | 49.5 | 74.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

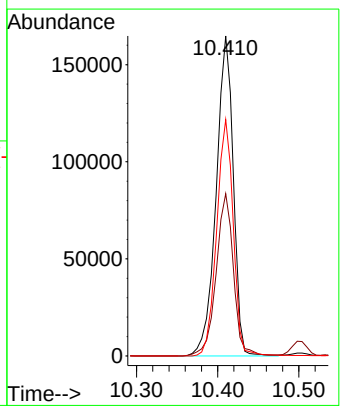


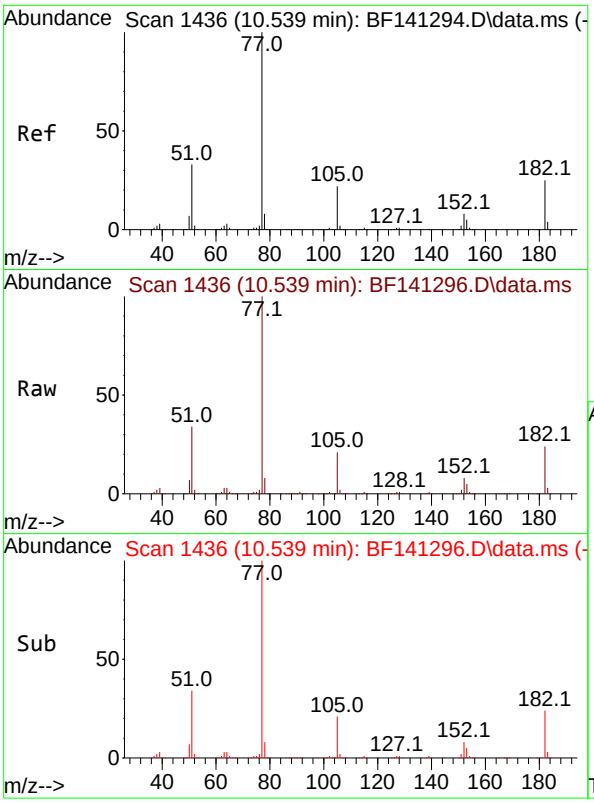




#62
4-Nitroaniline
Concen: 61.216 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:138 Resp: 242716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.7 | 30.1 | 70.1 |
| 108 | 73.8 | 53.1 | 93.1 |

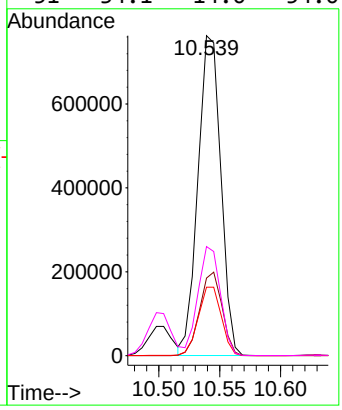





#63
Azobenzene
Concen: 56.821 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 77 Resp: 99660

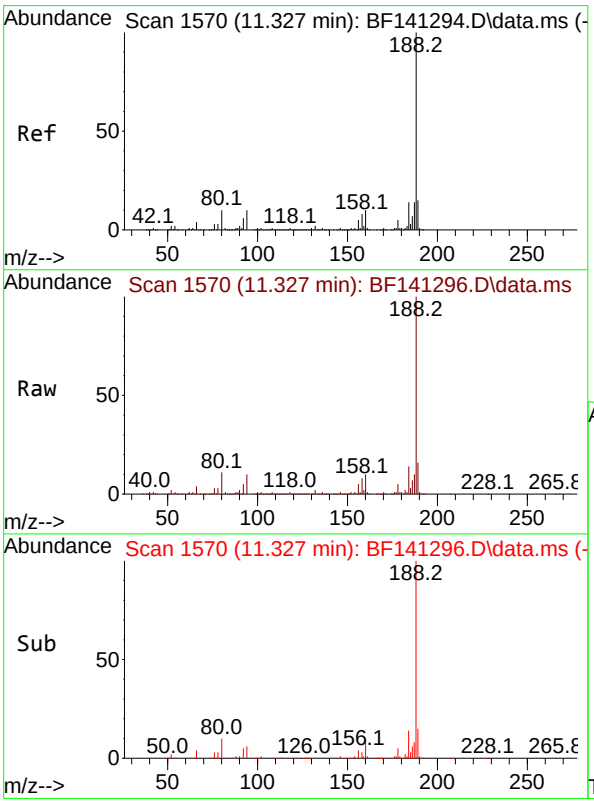
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 24.3 | 5.1 | 45.1 |
| 105 | 21.4 | 1.8 | 41.8 |
| 51 | 34.1 | 14.0 | 54.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

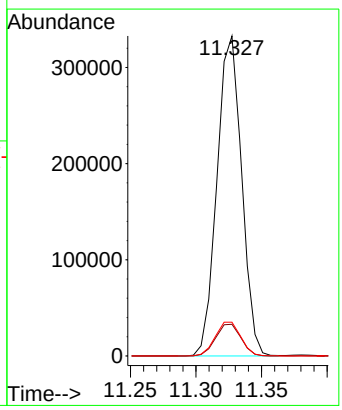
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

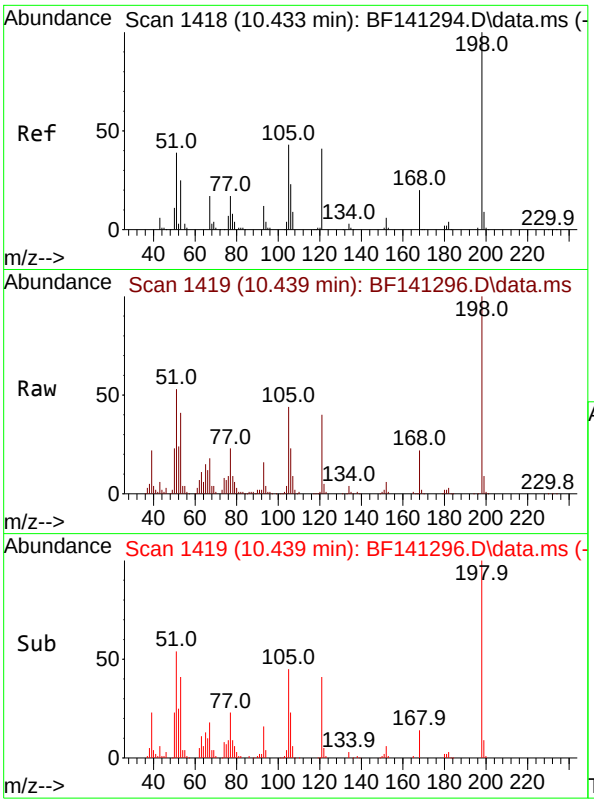



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:188 Resp: 434671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.9 | 7.8 | 11.6 |
| 80 | 10.6 | 8.2 | 12.4 |






#65
4,6-Dinitro-2-methylphenol
Concen: 71.103 ng
RT: 10.439 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

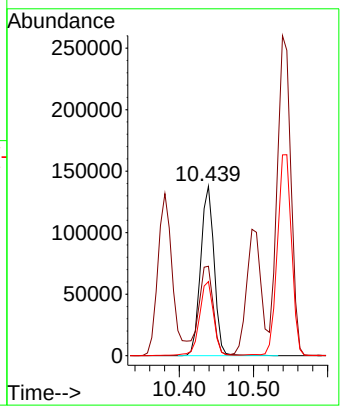
Tgt Ion:198 Resp: 17424

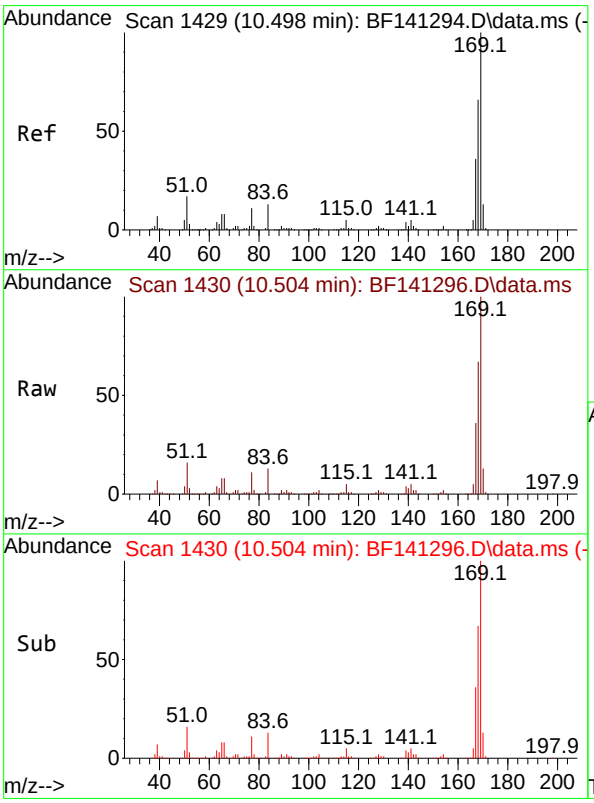
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 52.8 | 33.4 | 73.4 |
| 105 | 43.7 | 24.4 | 64.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

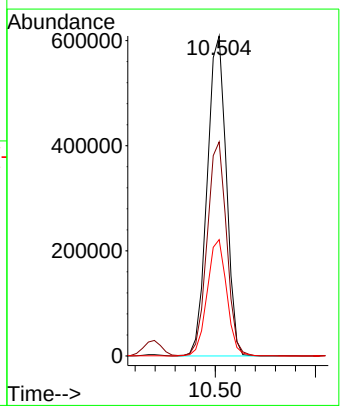


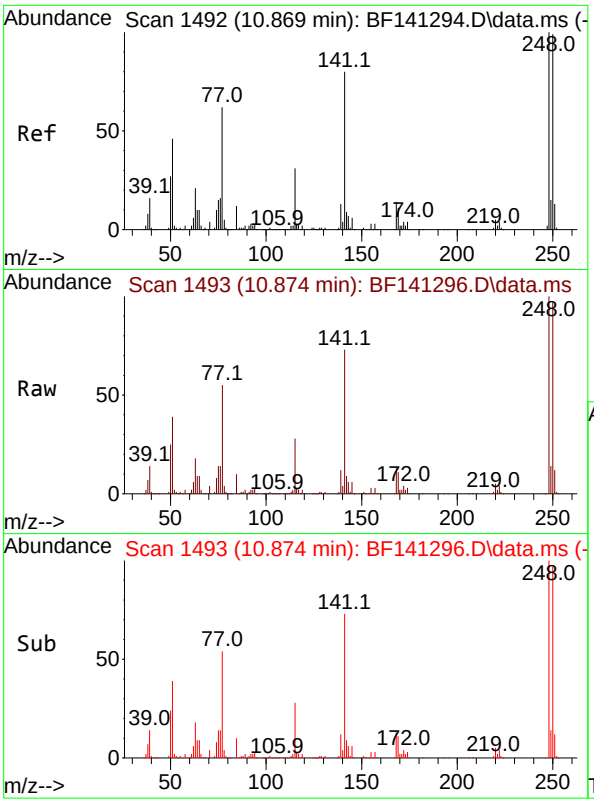




#66
n-Nitrosodiphenylamine
Concen: 55.423 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:169 Resp: 800147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.9 | 53.0 | 79.4 |
| 167 | 36.3 | 28.8 | 43.2 |






#67
4-Bromophenyl-phenylether
Concen: 57.957 ng
RT: 10.874 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

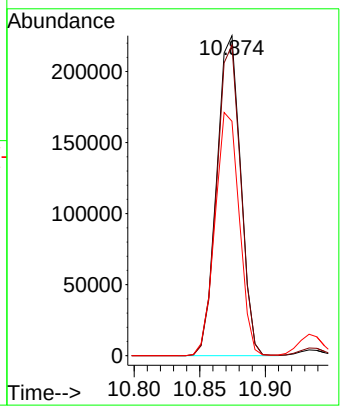
Tgt Ion:248 Resp: 28664

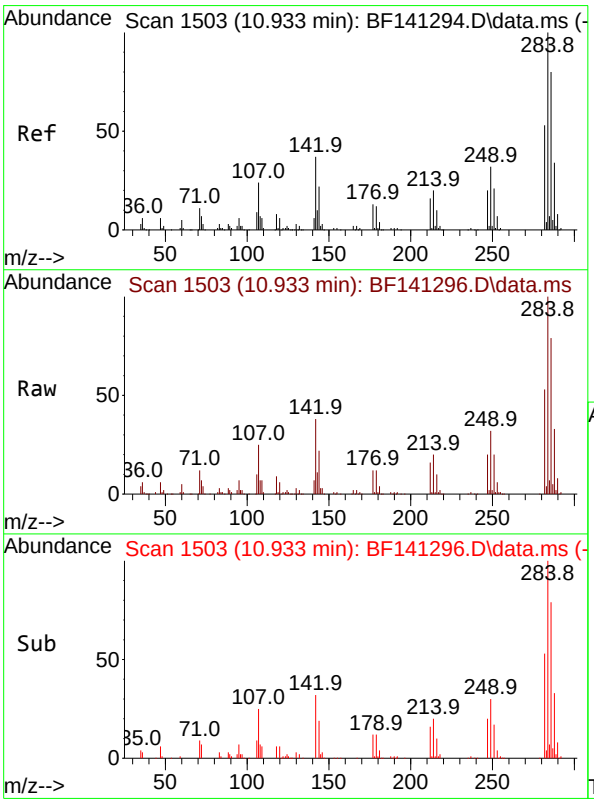
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.0 | 79.0 | 118.4 |
| 141 | 73.2 | 63.7 | 95.5 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

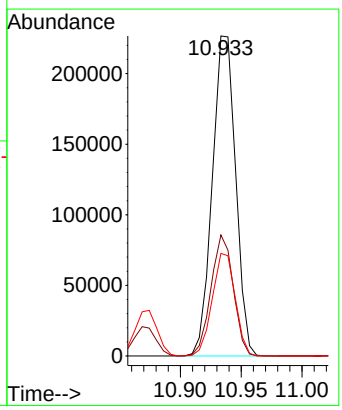


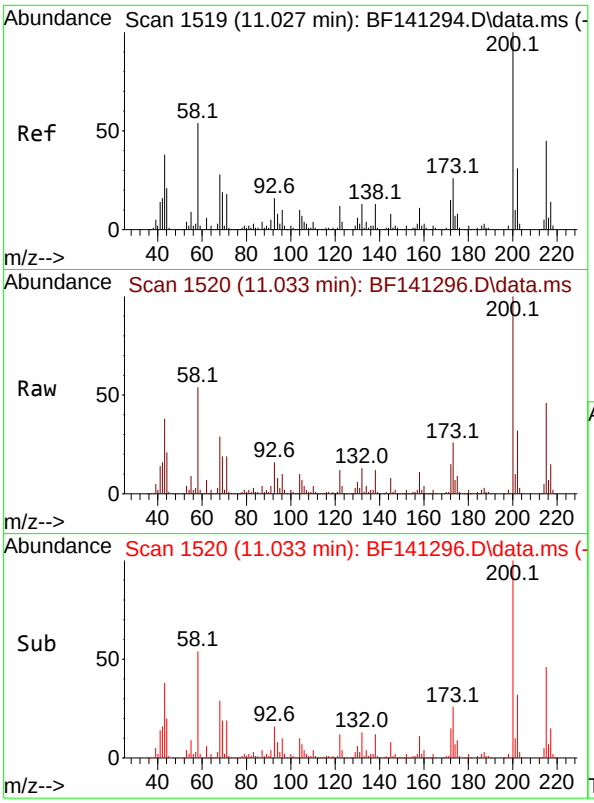




#68
Hexachlorobenzene
Concen: 57.366 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:284 Resp: 302508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 37.8 | 29.5 | 44.3 |
| 249 | 32.0 | 25.4 | 38.2 |

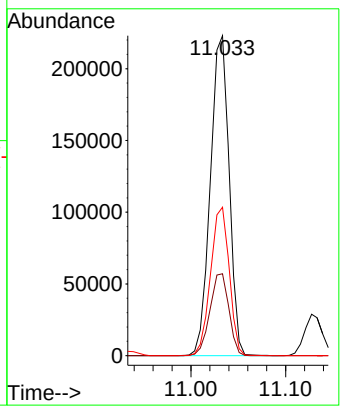





#69
Atrazine
Concen: 66.863 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:200 Resp: 30652

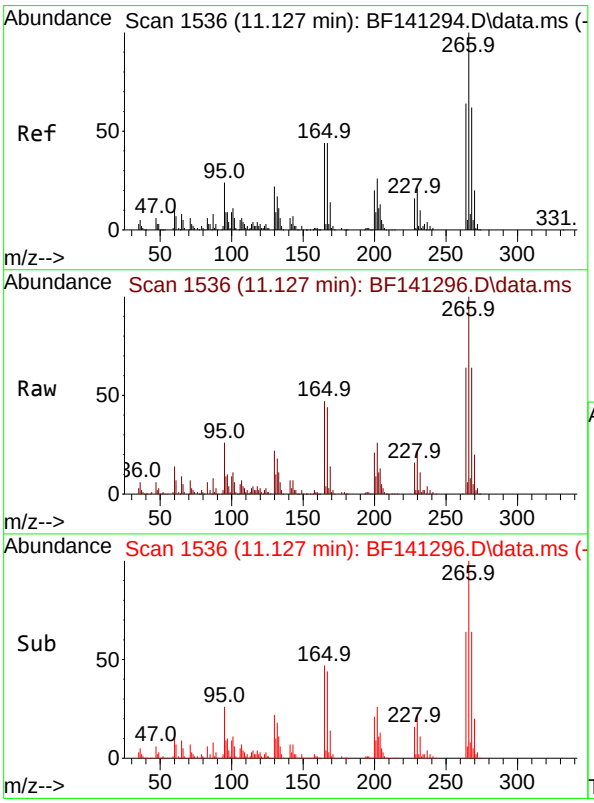
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.6 | 5.9 | 45.9 |
| 215 | 46.4 | 25.2 | 65.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

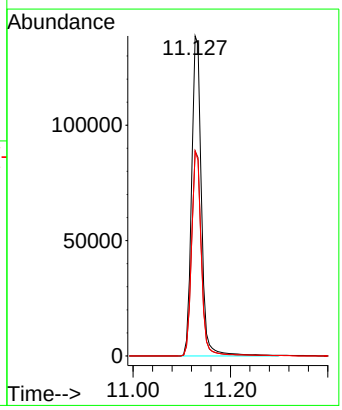
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

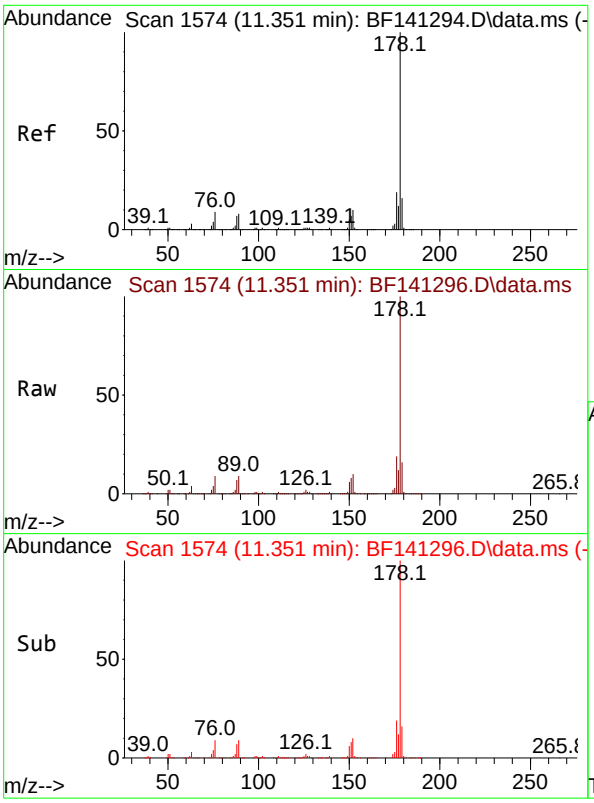



#70
Pentachlorophenol
Concen: 65.443 ng
RT: 11.127 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:266 Resp: 194335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.1 | 49.9 | 74.9 |
| 264 | 63.9 | 51.0 | 76.4 |

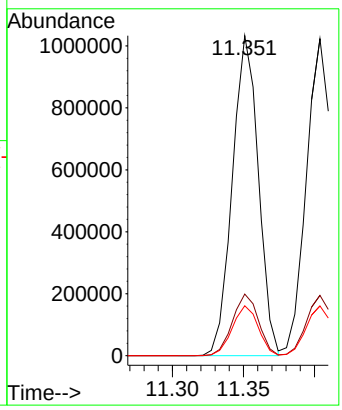





#71
Phenanthrene
Concen: 54.311 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:178 Resp: 131698

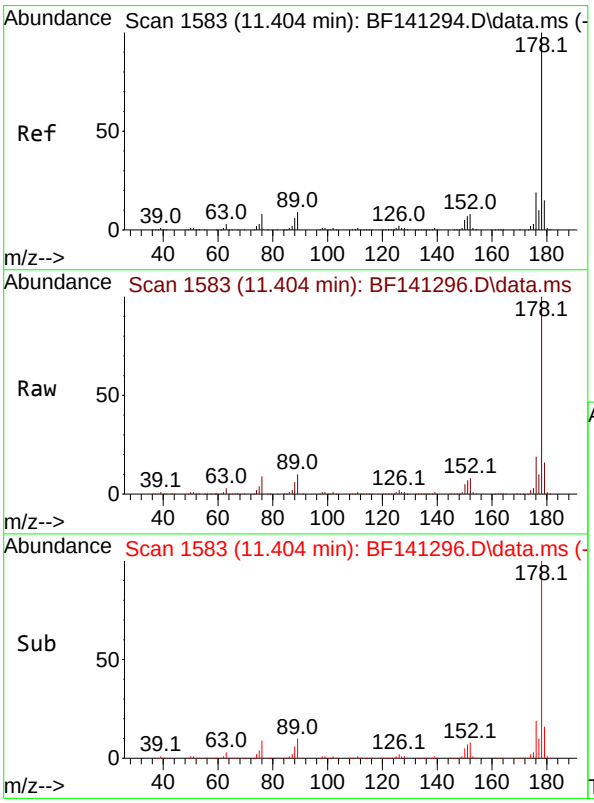
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.3 | 22.9 |
| 179 | 15.6 | 12.5 | 18.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

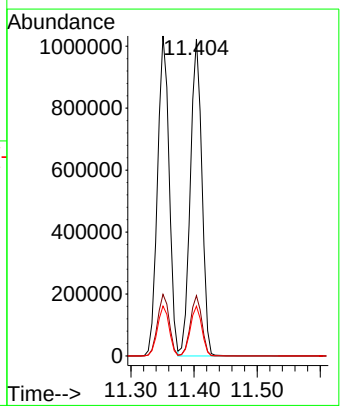
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

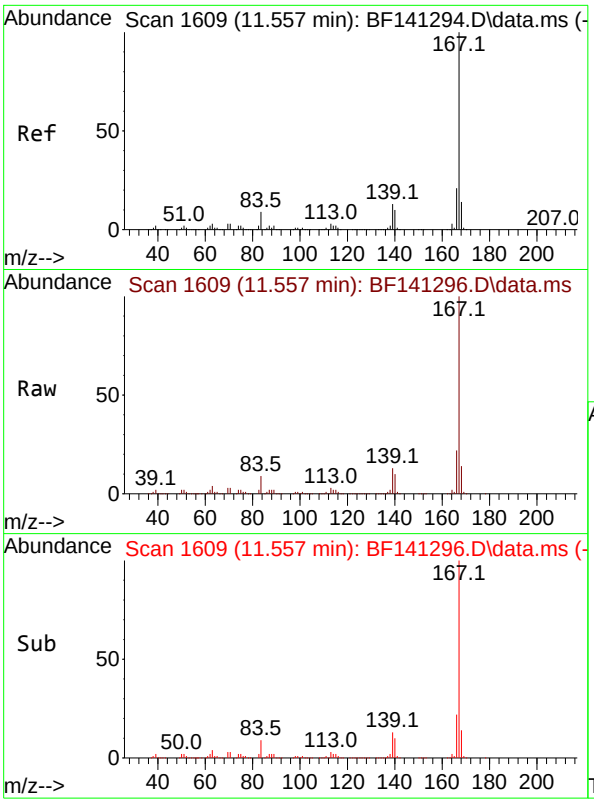



#72
Anthracene
Concen: 54.763 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:178 Resp: 1298334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.0 | 22.6 |
| 179 | 15.7 | 12.3 | 18.5 |

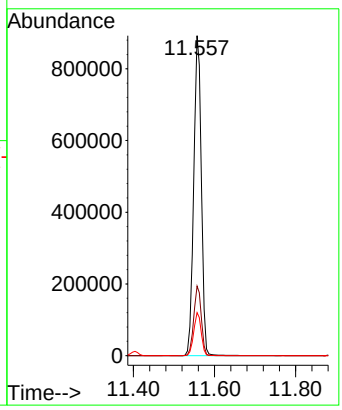





#73
Carbazole
Concen: 55.874 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:167 Resp: 117333

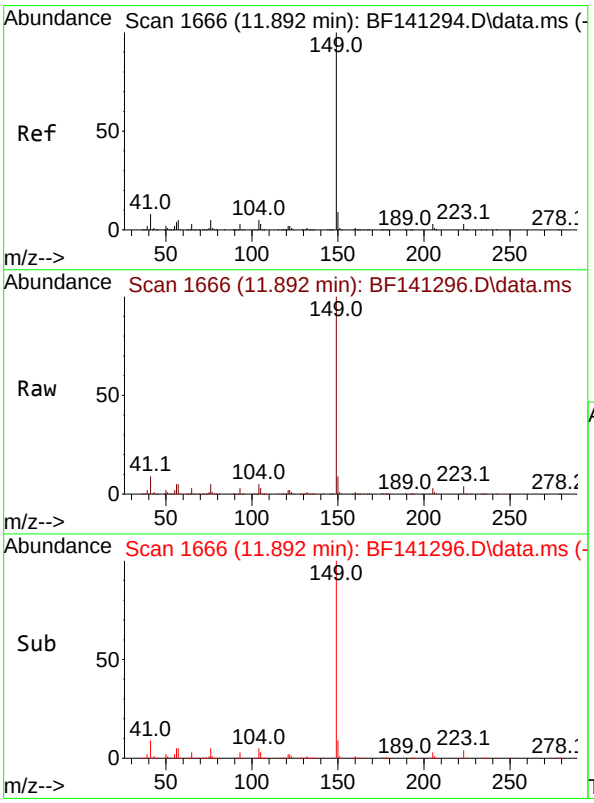
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.7 | 17.0 | 25.6 |
| 139 | 13.4 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

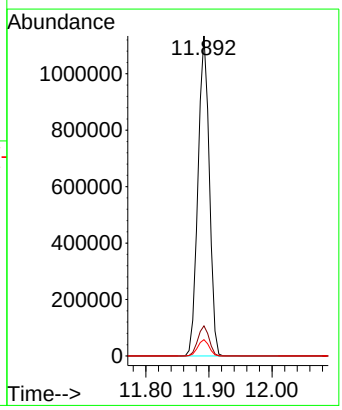
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

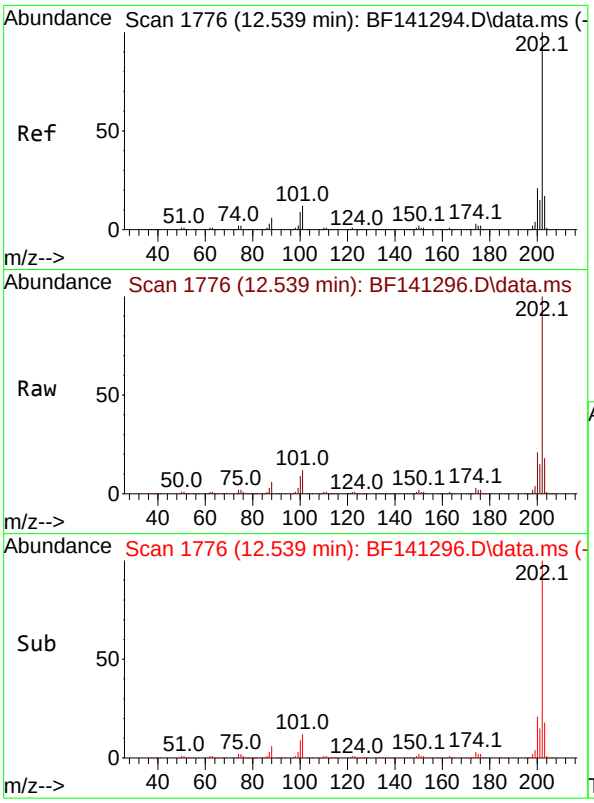



#74
Di-n-butylphthalate
Concen: 55.325 ng
RT: 11.892 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:149 Resp: 1410222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.4 | 11.2 |
| 104 | 5.1 | 3.9 | 5.9 |

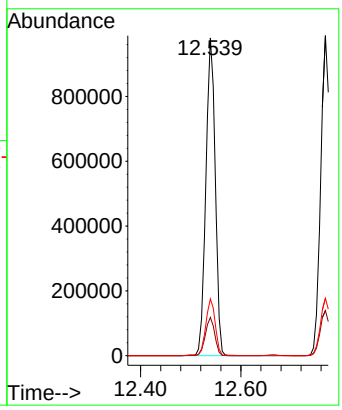





#75
Fluoranthene
Concen: 52.878 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:202 Resp: 127999

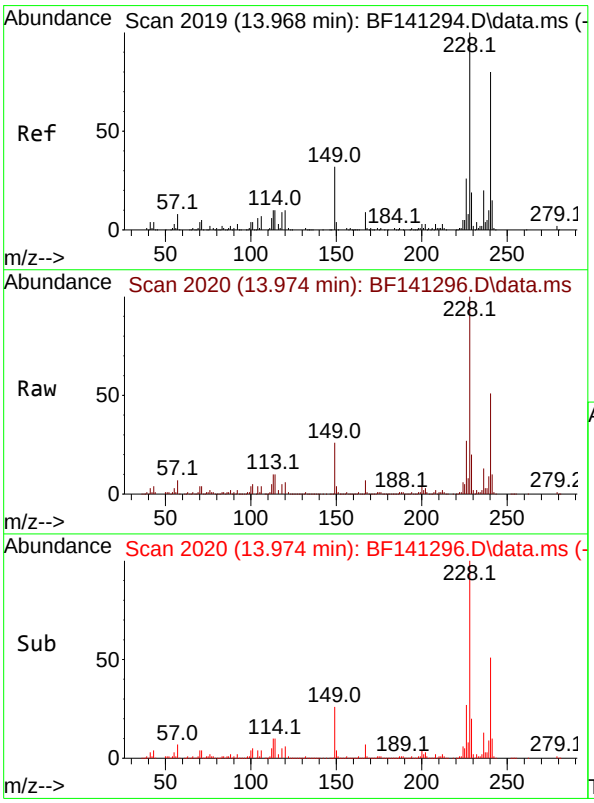
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.0 | 0.0 | 31.7 |
| 203 | 17.9 | 0.0 | 37.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

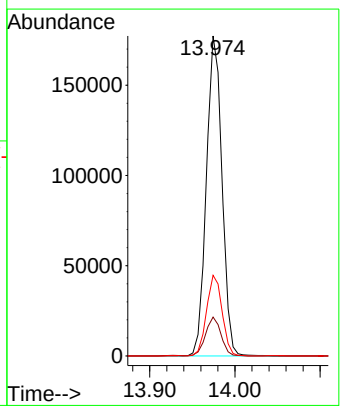
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

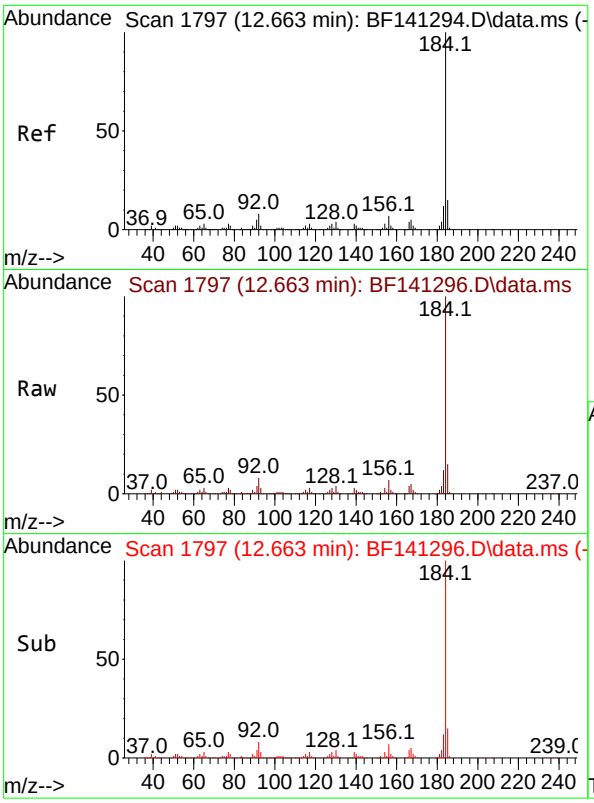



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:240 Resp: 225615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.1 | 10.0 | 15.0 |
| 236 | 25.2 | 19.7 | 29.5 |






#77
Benzidine
Concen: 67.692 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

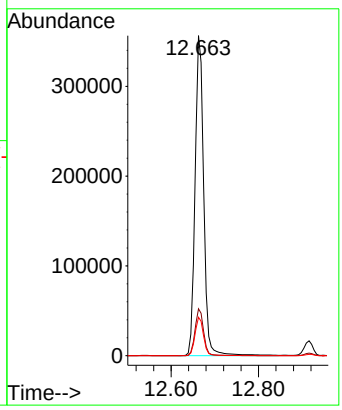
Tgt Ion:184 Resp: 490009

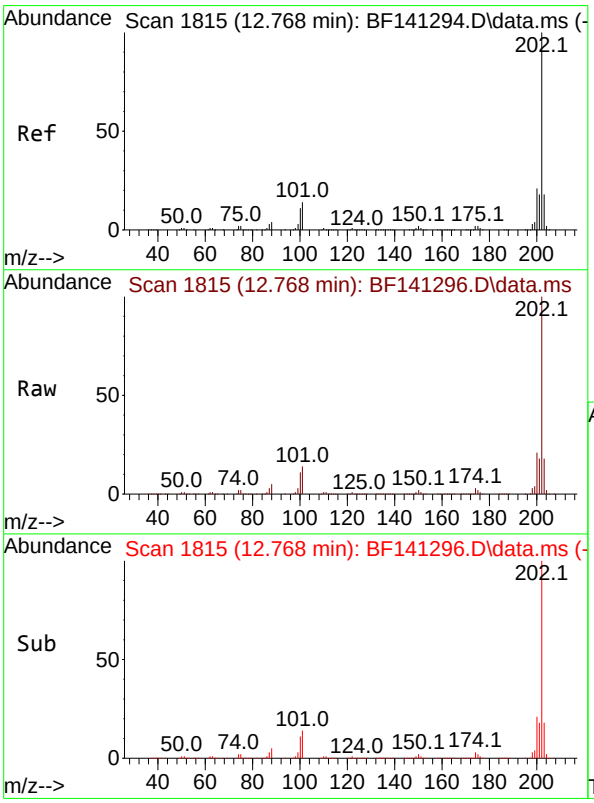
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 11.9 | 17.9 |
| 183 | 12.0 | 9.5 | 14.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

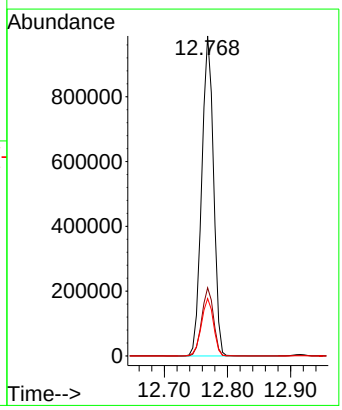


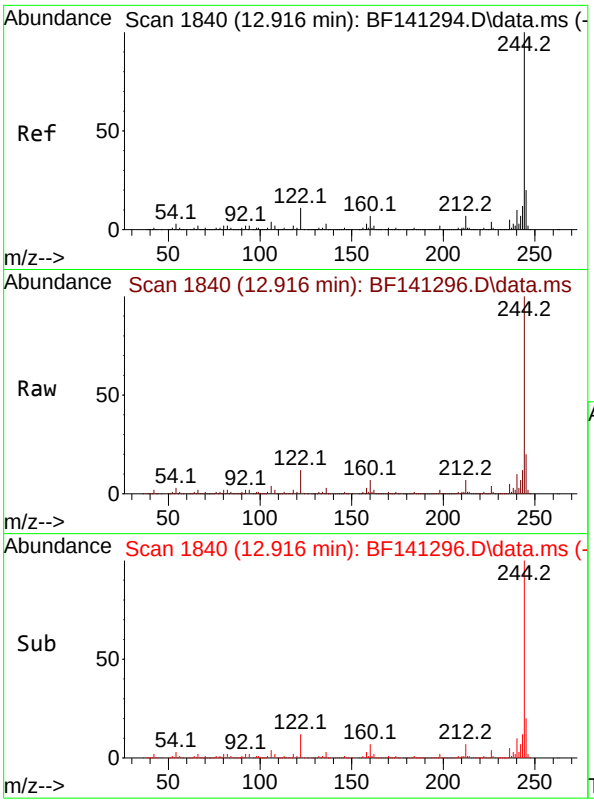




#78
Pyrene
Concen: 57.717 ng
RT: 12.768 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:202 Resp: 1284820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 17.0 | 25.4 |
| 203 | 18.0 | 14.3 | 21.5 |

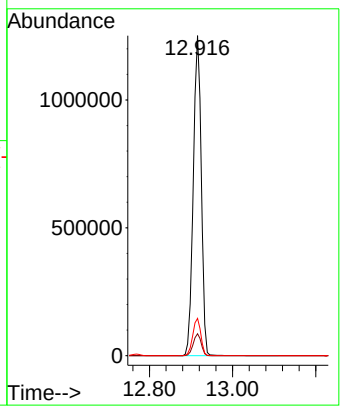





#79
Terphenyl-d14
Concen: 109.453 ng
RT: 12.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:244 Resp: 166559

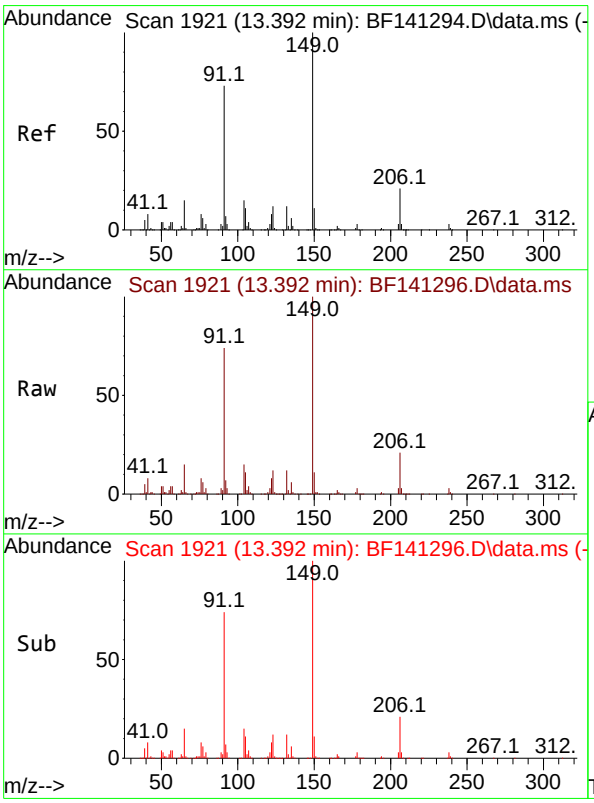
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.4 | 8.0 |
| 122 | 11.6 | 8.8 | 13.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

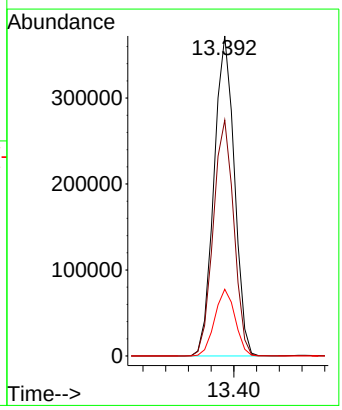
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

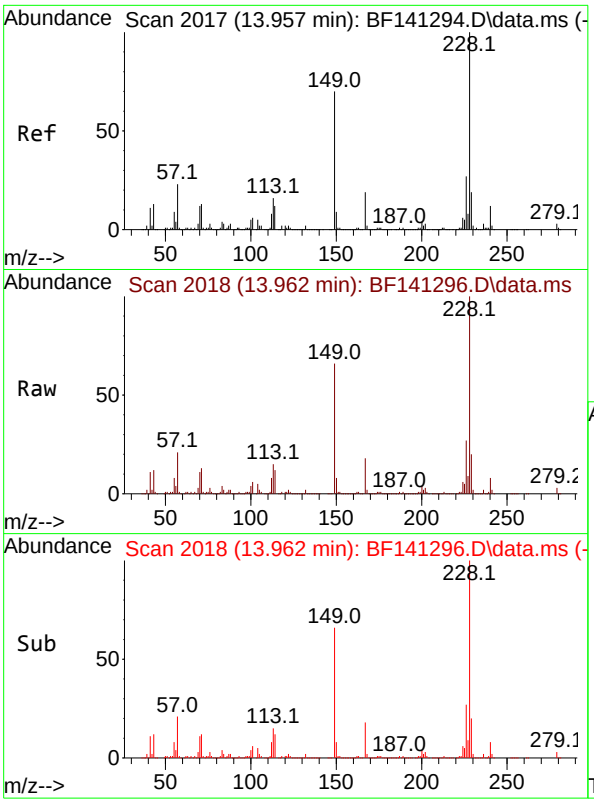



#80
Butylbenzylphthalate
Concen: 60.745 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:149 Resp: 465533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 73.7 | 58.6 | 87.8 |
| 206 | 20.8 | 16.7 | 25.1 |

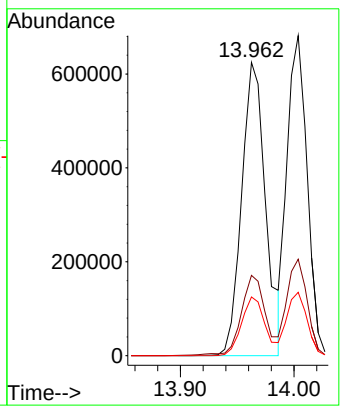





#81
Benzo(a)anthracene
Concen: 57.742 ng
RT: 13.962 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:228 Resp: 91721

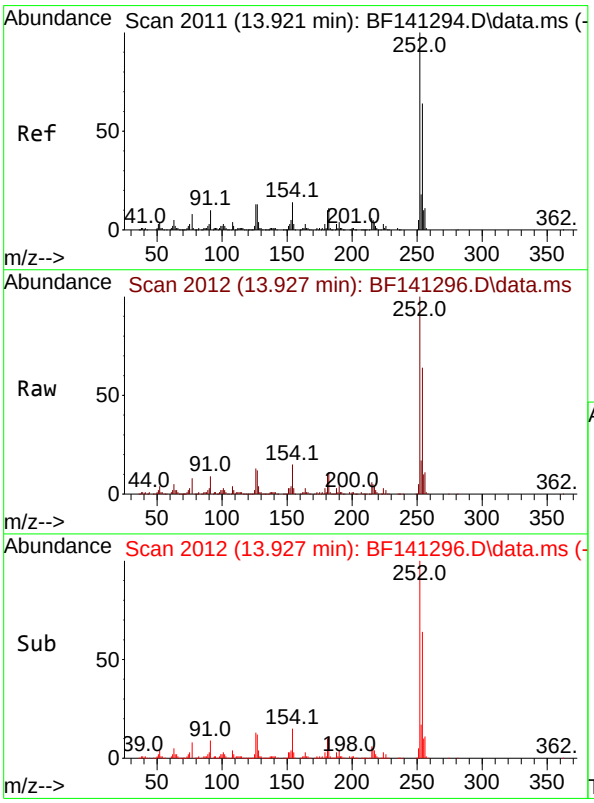
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 21.4 | 32.2 |
| 229 | 20.0 | 15.5 | 23.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

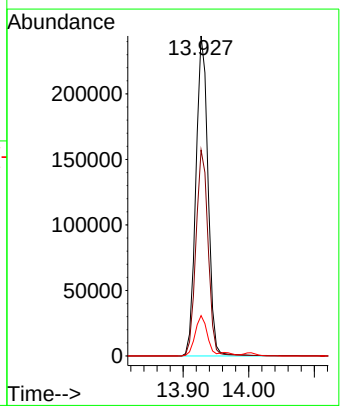
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

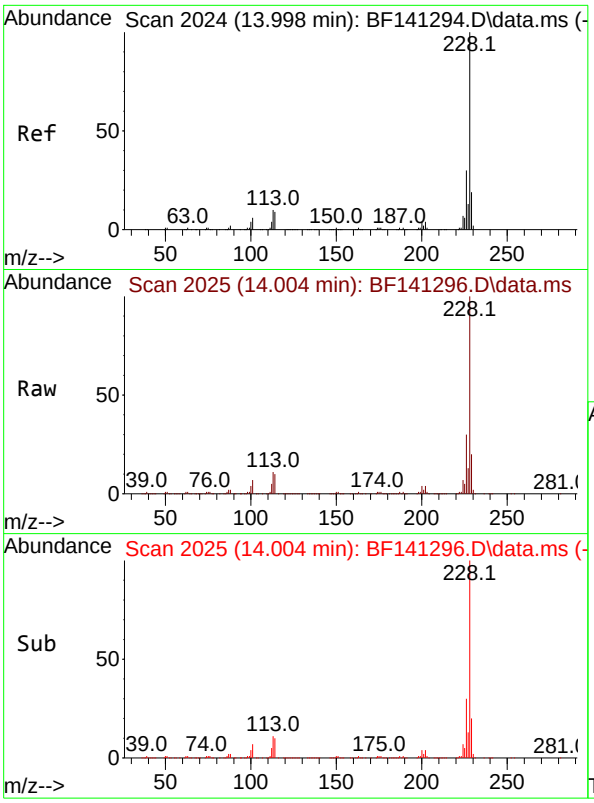



#82
3,3'-Dichlorobenzidine
Concen: 64.819 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:252 Resp: 315503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.4 | 51.3 | 76.9 |
| 126 | 12.6 | 10.0 | 15.0 |






#83
Chrysene
Concen: 58.239 ng
RT: 14.004 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

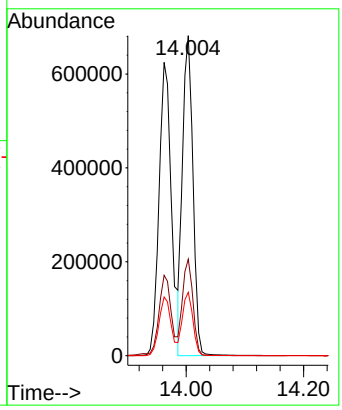
Tgt Ion:228 Resp: 84112(

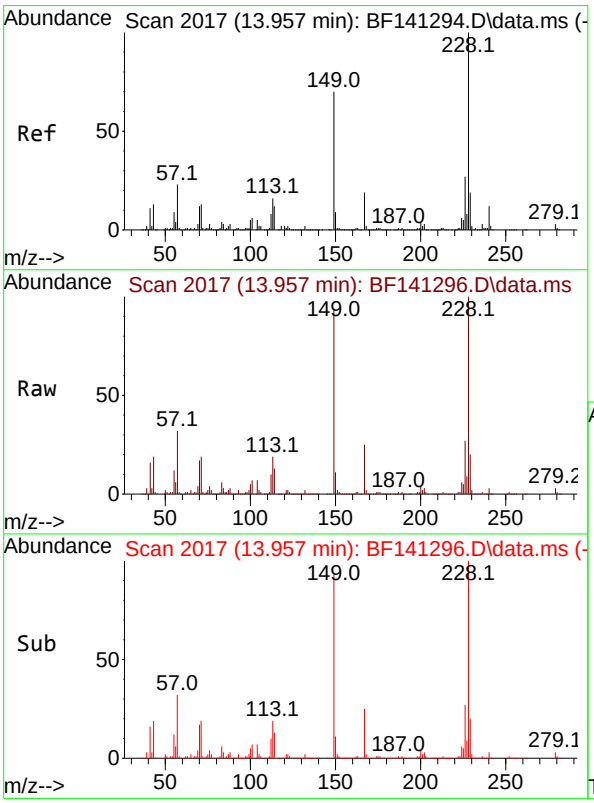
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.1 | 36.1 |
| 229 | 19.8 | 15.6 | 23.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

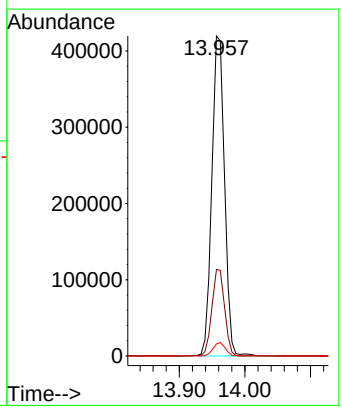


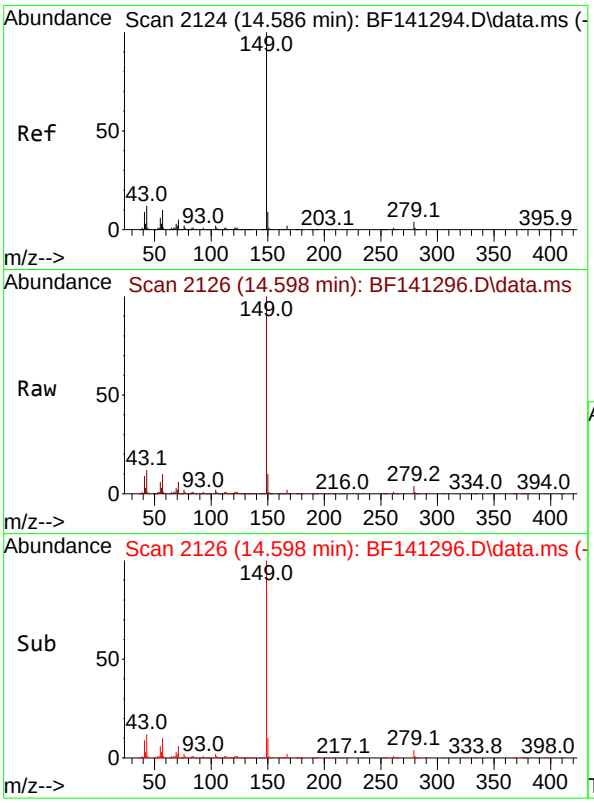




#84
Bis(2-ethylhexyl)phthalate
Concen: 57.438 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:149 Resp: 564642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.0 | 21.8 | 32.8 |
| 279 | 3.8 | 3.3 | 4.9 |






#85
Di-n-octyl phthalate
Concen: 64.953 ng
RT: 14.598 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

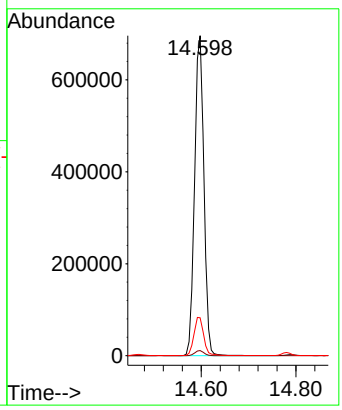
Tgt Ion:149 Resp: 95147

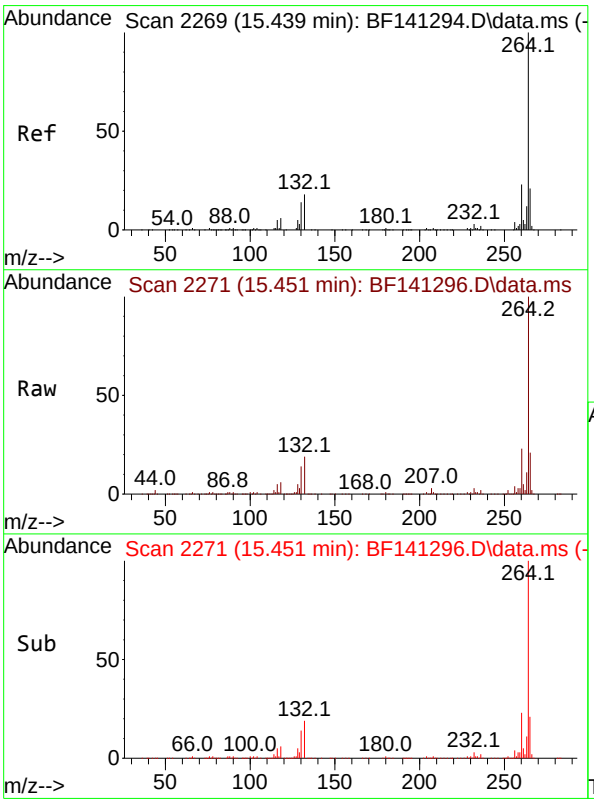
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 12.6 | 9.8 | 14.8 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

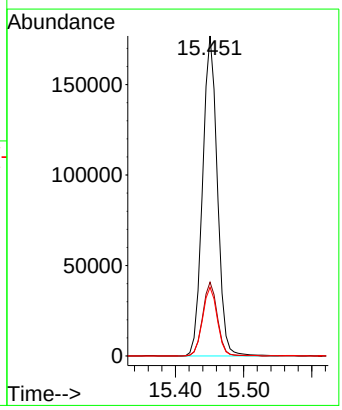


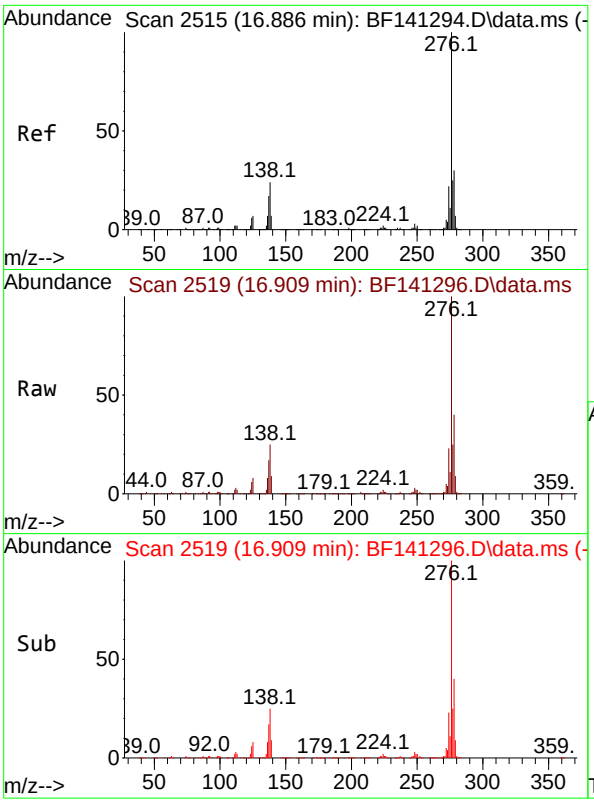




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:264 Resp: 265921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 18.6 | 27.8 |
| 265 | 21.5 | 16.7 | 25.1 |

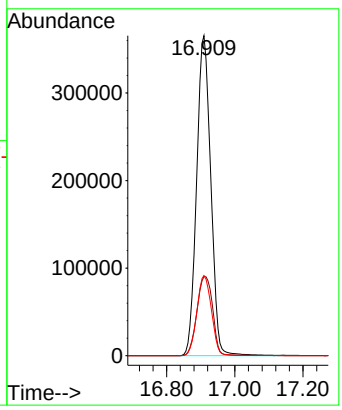





#87
Indeno(1,2,3-cd)pyrene
Concen: 61.732 ng
RT: 16.909 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:276 Resp: 105498

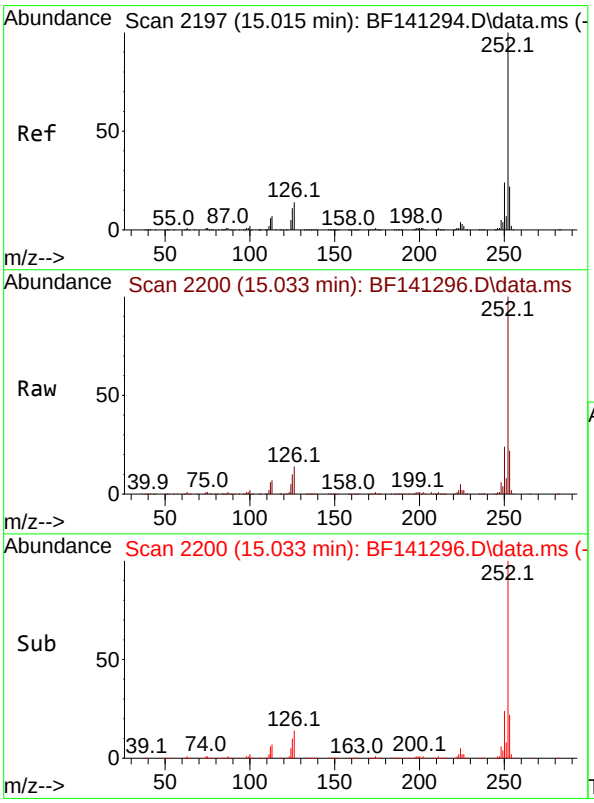
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.6 | 21.7 | 32.5 |
| 277 | 25.8 | 20.3 | 30.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

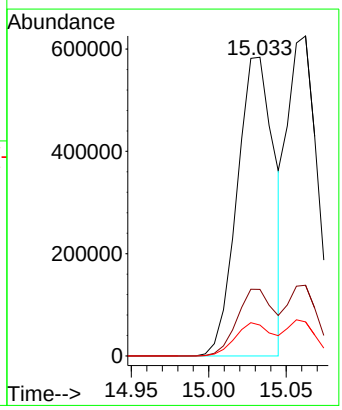
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

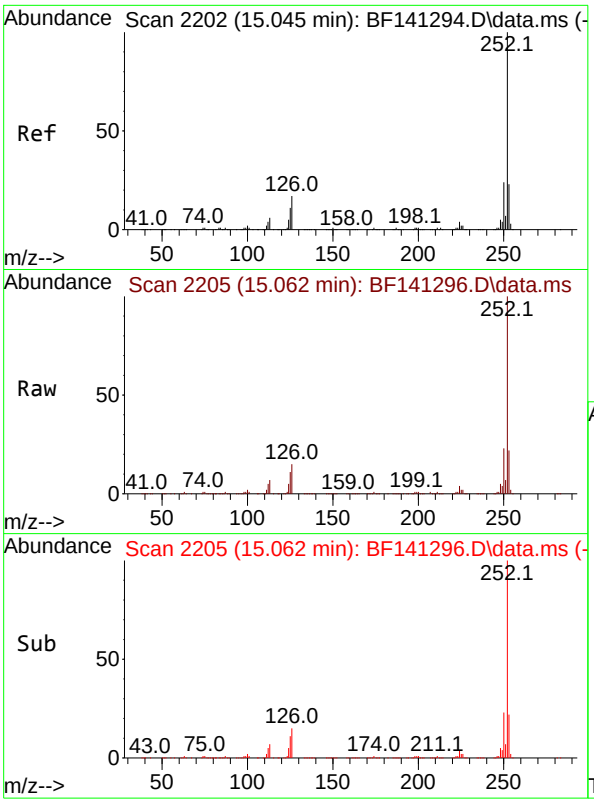



#88
Benzo(b)fluoranthene
Concen: 56.615 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:252 Resp: 971433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.4 | 26.2 |
| 125 | 10.3 | 8.6 | 12.8 |

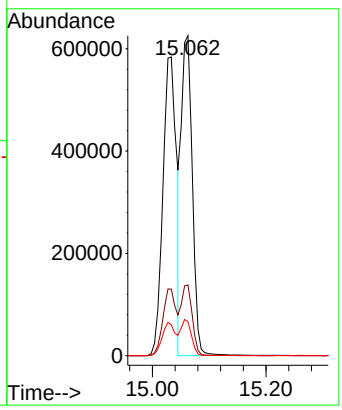





#89
Benzo(k)fluoranthene
Concen: 55.934 ng
RT: 15.062 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:252 Resp: 84584

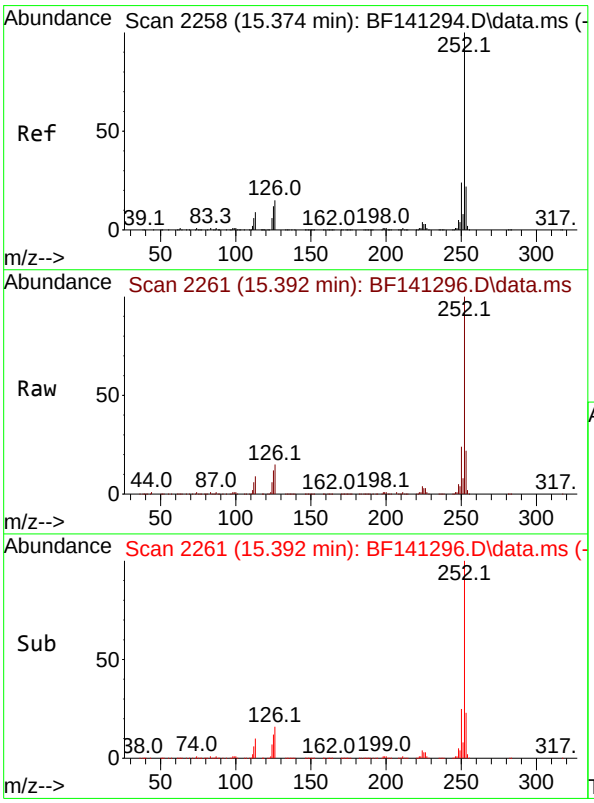
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.6 | 26.4 |
| 125 | 10.6 | 8.4 | 12.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

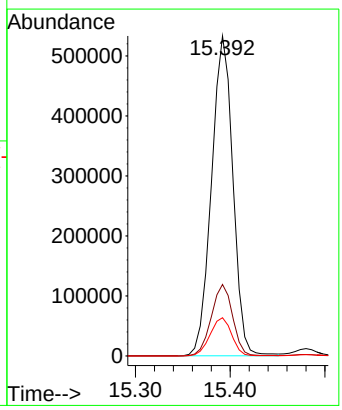
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

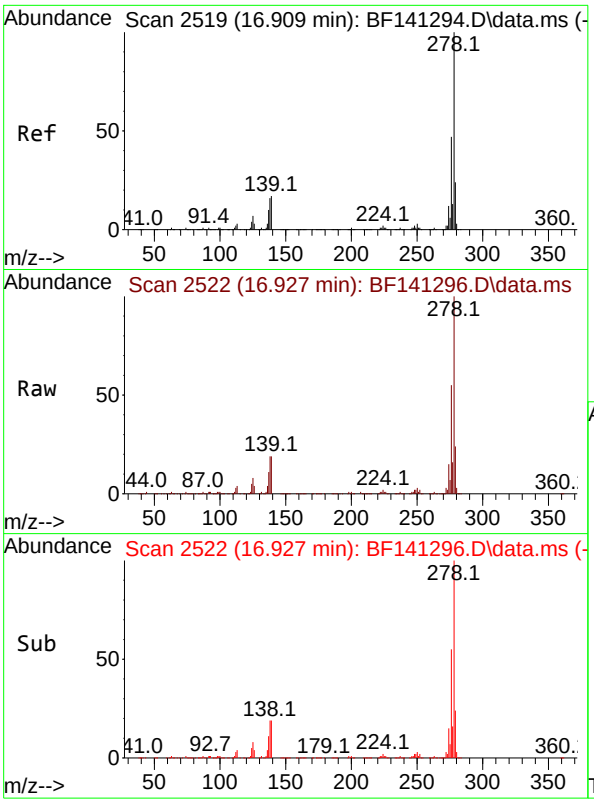



#90
Benzo(a)pyrene
Concen: 58.588 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:252 Resp: 838283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.2 | 25.8 |
| 125 | 12.0 | 9.4 | 14.2 |

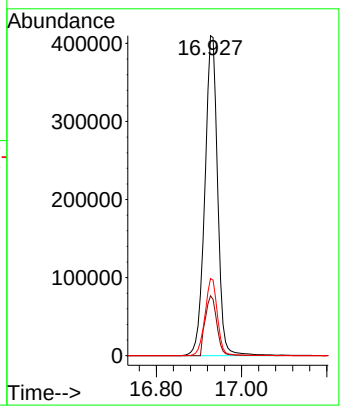





#91
Dibenzo(a,h)anthracene
Concen: 62.119 ng
RT: 16.927 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:278 Resp: 85421

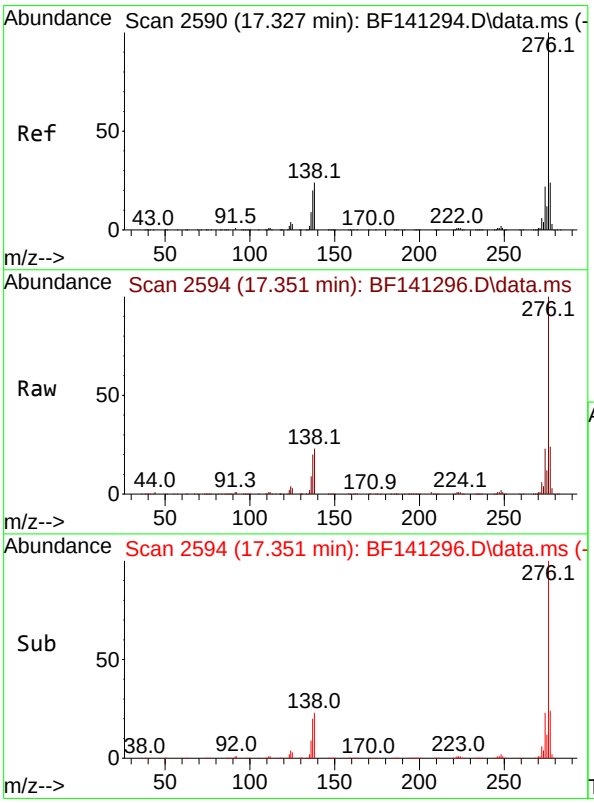
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.7 | 13.9 | 20.9 |
| 279 | 24.1 | 18.8 | 28.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

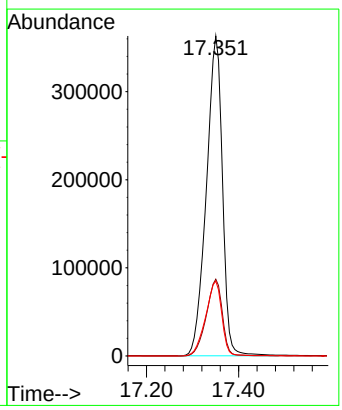
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025




#92
Benzo(g,h,i)perylene
Concen: 61.510 ng
RT: 17.351 min Scan# 2594
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:276 Resp: 881804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.0 | 19.2 | 28.8 |
| 138 | 23.4 | 19.0 | 28.4 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141297.D
Acq On : 29 Jan 2025 17:05
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Jan 29 17:32:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:26:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.804 | 152 | 129386 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.087 | 136 | 500219 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.839 | 164 | 259556 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.328 | 188 | 415634 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.974 | 240 | 216592 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.439 | 264 | 271797 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.410 | 112 | 1203835 | 140.330 | ng | | 0.00 |
| 7) Phenol-d6 | 6.440 | 99 | 1526343 | 139.796 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.369 | 82 | 1396346 | 145.214 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.634 | 330 | 337670 | 139.281 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.163 | 172 | 2248567 | 129.739 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.916 | 244 | 1910783 | 132.741 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.493 | 88 | 274366 | 73.111 | ng | | 100 |
| 3) Pyridine | 3.228 | 79 | 684346 | 76.095 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.199 | 42 | 399245 | 77.974 | ng | | 99 |
| 6) Aniline | 6.469 | 93 | 607667 | 65.185 | ng | # | 86 |
| 8) 2-Chlorophenol | 6.593 | 128 | 639957 | 69.519 | ng | | 97 |
| 9) Benzaldehyde | 6.351 | 77 | 376227 | 58.226 | ng | | 100 |
| 10) Phenol | 6.451 | 94 | 804078 | 69.411 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 6.546 | 93 | 648287 | 73.535 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.746 | 146 | 704973 | 69.446 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.822 | 146 | 706528 | 69.256 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.975 | 146 | 641551 | 66.867 | ng | | 99 |
| 15) Benzyl Alcohol | 6.946 | 79 | 532270 | 71.549 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.081 | 45 | 1092827 | 70.953 | ng | | 98 |
| 17) 2-Methylphenol | 7.057 | 107 | 545097 | 73.368 | ng | | 97 |
| 18) Hexachloroethane | 7.316 | 117 | 265593 | 70.765 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.228 | 70 | 452303 | 69.874 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.216 | 107 | 613997 | 66.467 | ng | | 96 |
| 22) Acetophenone | 7.216 | 105 | 824220 | 67.811 | ng | # | 96 |
| 24) Nitrobenzene | 7.393 | 77 | 716200 | 71.762 | ng | | 99 |
| 25) Isophorone | 7.628 | 82 | 1229697 | 74.193 | ng | | 99 |
| 26) 2-Nitrophenol | 7.704 | 139 | 358664 | 76.912 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.740 | 122 | 445560 | 74.779 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.840 | 93 | 767960 | 72.405 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.945 | 162 | 525117 | 71.573 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.028 | 180 | 584061 | 69.437 | ng | | 100 |
| 31) Naphthalene | 8.110 | 128 | 1838789 | 68.107 | ng | | 99 |
| 32) Benzoic acid | 7.881 | 122 | 484583 | 91.066 | ng | | 99 |
| 33) 4-Chloroaniline | 8.157 | 127 | 636568 | 69.737 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.222 | 225 | 348822 | 70.904 | ng | | 99 |
| 35) Caprolactam | 8.545 | 113 | 177093 | 74.270 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 8.640 | 107 | 566827 | 72.094 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.798 | 142 | 1165995 | 67.926 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.898 | 142 | 1146275 | 67.988 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.963 | 216 | 531237 | 70.756 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 8.951 | 237 | 180658 | 83.336 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.075 | 196 | 360370 | 73.727 | ng | | 100 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141297.D
Acq On : 29 Jan 2025 17:05
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Jan 29 17:32:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:26:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.116 | 196 | 397887 | 74.958 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.263 | 154 | 1412015 | 68.298 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.287 | 162 | 1118593 | 69.578 | ng | 99 |
| 48) 2-Nitroaniline | 9.381 | 65 | 378379 | 75.652 | ng | 97 |
| 49) Acenaphthylene | 9.704 | 152 | 1552508 | 68.901 | ng | 99 |
| 50) Dimethylphthalate | 9.569 | 163 | 1269770 | 71.308 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.628 | 165 | 300867 | 72.992 | ng | 99 |
| 52) Acenaphthene | 9.875 | 154 | 1120345 | 69.700 | ng | 99 |
| 53) 3-Nitroaniline | 9.798 | 138 | 274410 | 67.215 | ng | 99 |
| 54) 2,4-Dinitrophenol | 9.904 | 184 | 169946 | 101.582 | ng | 99 |
| 55) Dibenzofuran | 10.045 | 168 | 1451668 | 67.158 | ng | 98 |
| 56) 4-Nitrophenol | 9.957 | 139 | 230369 | 78.788 | ng | 100 |
| 57) 2,4-Dinitrotoluene | 10.034 | 165 | 375659 | 70.012 | ng | 93 |
| 58) Fluorene | 10.392 | 166 | 1099129 | 65.335 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.163 | 232 | 302300 | 72.005 | ng | 98 |
| 60) Diethylphthalate | 10.269 | 149 | 1189833 | 68.571 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.381 | 204 | 541468 | 65.968 | ng | 99 |
| 62) 4-Nitroaniline | 10.416 | 138 | 292019 | 73.604 | ng | 99 |
| 63) Azobenzene | 10.545 | 77 | 1206328 | 69.582 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.439 | 198 | 217265 | 89.943 | ng | 96 |
| 66) n-Nitrosodiphenylamine | 10.504 | 169 | 986121 | 72.353 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.875 | 248 | 348615 | 74.136 | ng | 97 |
| 68) Hexachlorobenzene | 10.939 | 284 | 361469 | 72.215 | ng | 97 |
| 69) Atrazine | 11.033 | 200 | 372792 | 83.452 | ng | 99 |
| 70) Pentachlorophenol | 11.133 | 266 | 235030 | 81.539 | ng | 99 |
| 71) Phenanthrene | 11.351 | 178 | 1557660 | 68.257 | ng | 99 |
| 72) Anthracene | 11.404 | 178 | 1535860 | 68.749 | ng | 99 |
| 73) Carbazole | 11.557 | 167 | 1342447 | 67.630 | ng | 99 |
| 74) Di-n-butylphthalate | 11.892 | 149 | 1626342 | 67.604 | ng | 99 |
| 75) Fluoranthene | 12.539 | 202 | 1463196 | 64.490 | ng | 99 |
| 77) Benzidine | 12.663 | 184 | 481470 | 67.834 | ng | 99 |
| 78) Pyrene | 12.769 | 202 | 1450076 | 68.287 | ng | 100 |
| 80) Butylbenzylphthalate | 13.392 | 149 | 528754 | 71.721 | ng | 99 |
| 81) Benzo(a)anthracene | 13.963 | 228 | 1095972 | 72.323 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.927 | 252 | 389044 | 82.157 | ng | 99 |
| 83) Chrysene | 13.998 | 228 | 1048083 | 75.964 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.957 | 149 | 662151 | 70.666 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.586 | 149 | 1171131 | 82.148 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.898 | 276 | 1399119 | 79.715 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.021 | 252 | 1235245 | 71.102 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.051 | 252 | 1146296 | 75.010 | ng | 100 |
| 90) Benzo(a)pyrene | 15.380 | 252 | 1098491 | 75.410 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.921 | 278 | 1117397 | 79.035 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.345 | 276 | 1155250 | 78.512 | ng | 100 |

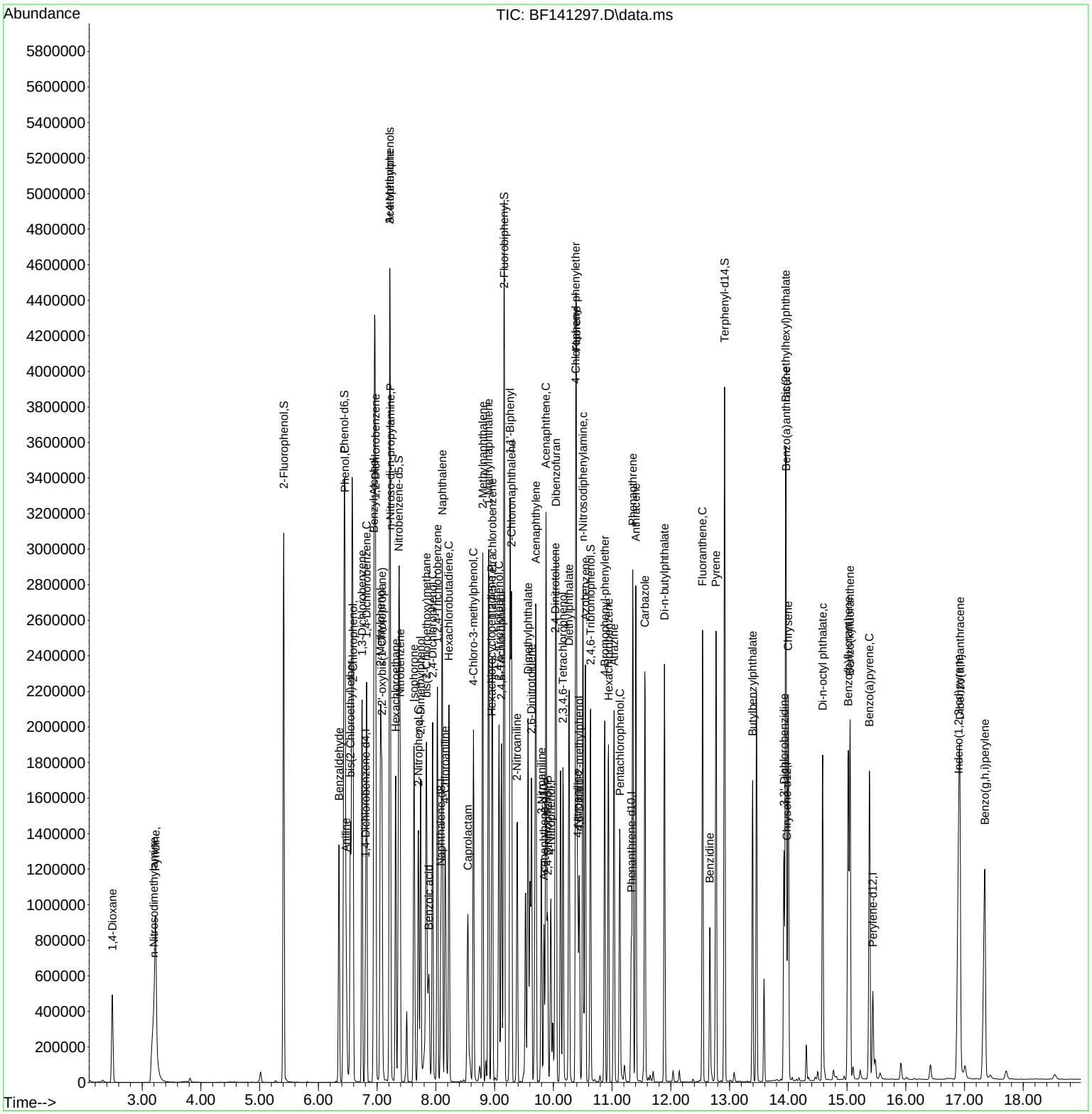
(#) = qualifier out of range (m) = manual integration (+) = signals summed

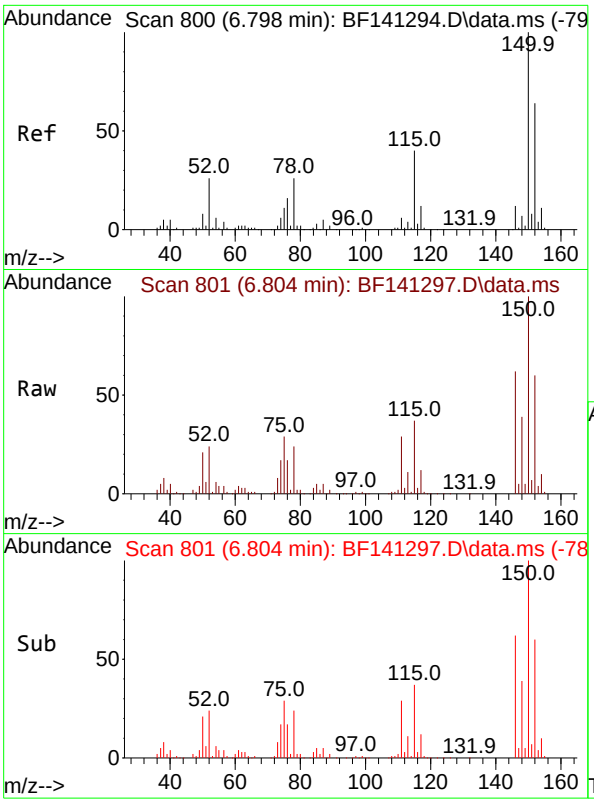
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141297.D
Acq On : 29 Jan 2025 17:05
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Jan 29 17:32:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:26:12 2025
Response via : Initial Calibration



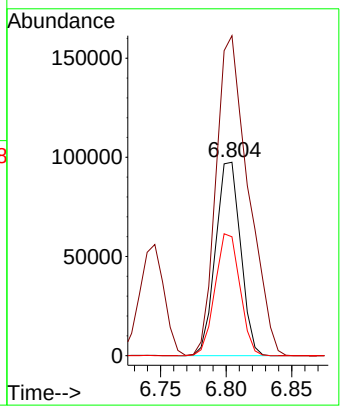


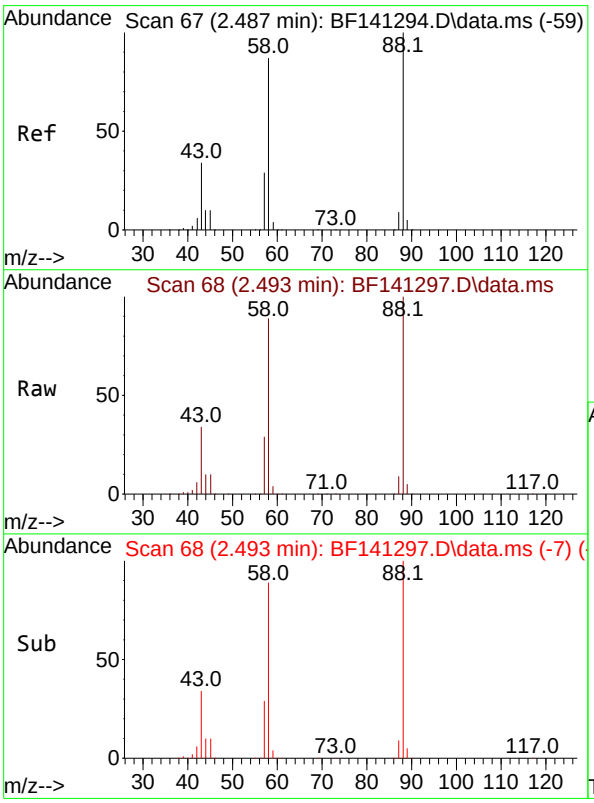

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:152 Resp: 129386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 165.5 | 125.9 | 188.9 |
| 115 | 61.4 | 49.7 | 74.5 |

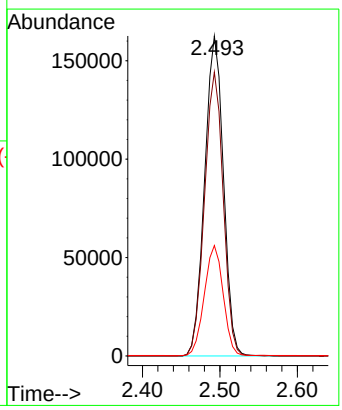


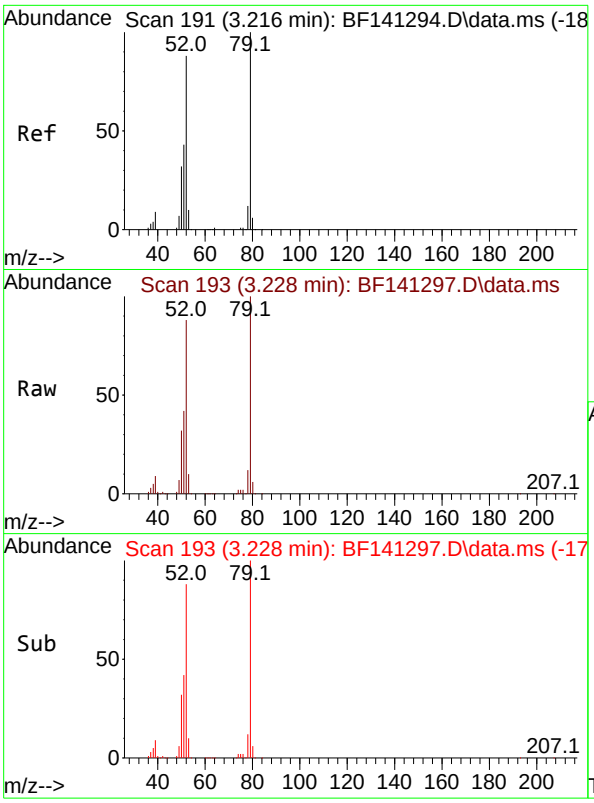




#2
1,4-Dioxane
Concen: 73.111 ng
RT: 2.493 min Scan# 68
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 88 Resp: 274366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 88.2 | 70.2 | 105.4 |
| 43 | 34.3 | 27.6 | 41.4 |



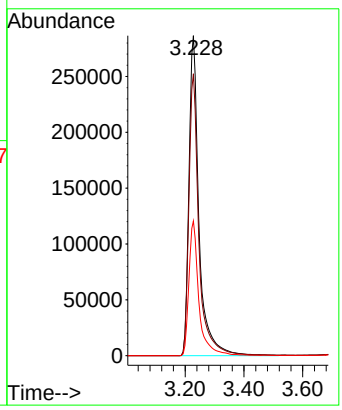


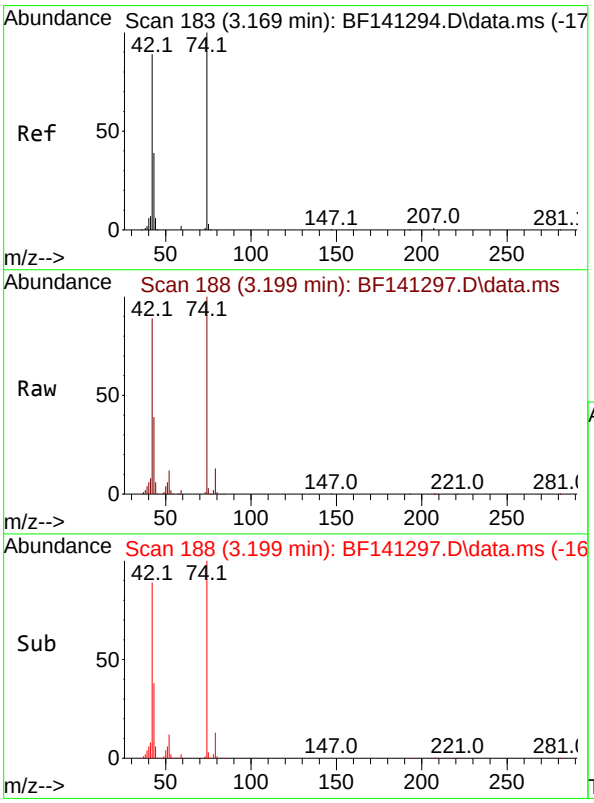

#3
Pyridine
Concen: 76.095 ng
RT: 3.228 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 79 Resp: 684346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 88.1 | 70.3 | 105.5 |
| 51 | 42.1 | 34.3 | 51.5 |

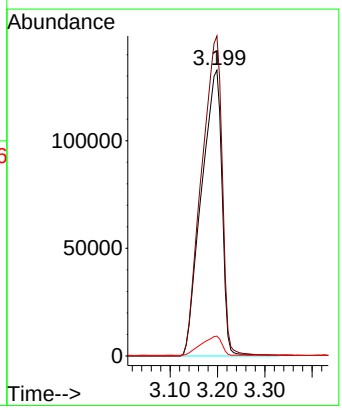


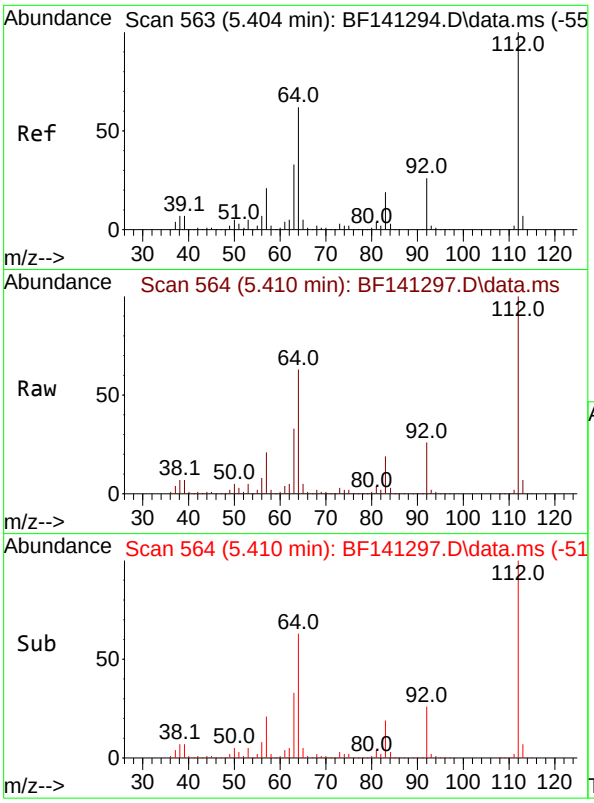




#4
n-Nitrosodimethylamine
Concen: 77.974 ng
RT: 3.199 min Scan# 188
Delta R.T. 0.018 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 42 Resp: 399245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 112.0 | 90.3 | 135.5 |
| 44 | 6.9 | 5.7 | 8.5 |



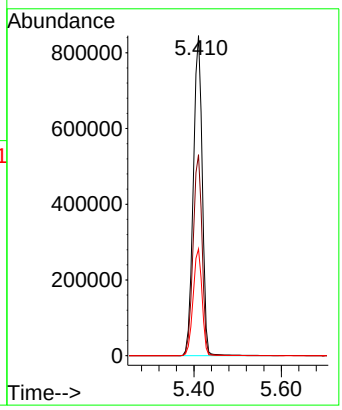


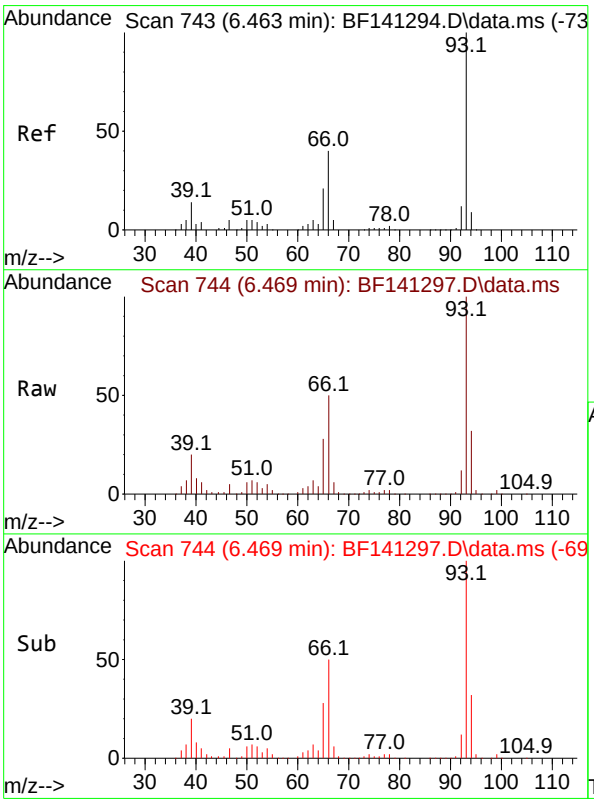

#5
2-Fluorophenol
Concen: 140.330 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:112 Resp: 1203835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.8 | 49.8 | 74.8 |
| 63 | 33.4 | 26.1 | 39.1 |

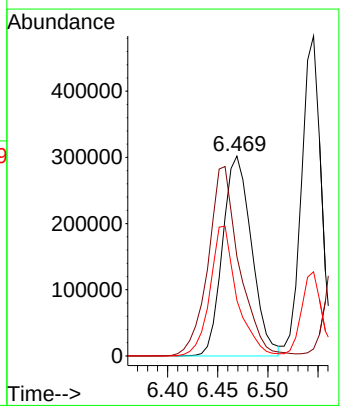


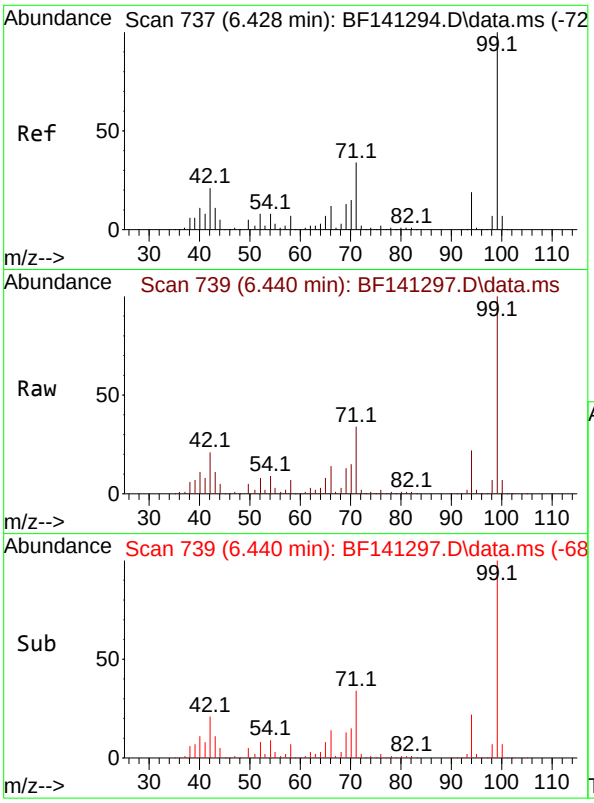




#6
Aniline
Concen: 65.185 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 93 Resp: 607667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 49.7 | 32.5 | 48.7# |
| 65 | 27.8 | 17.0 | 25.6# |



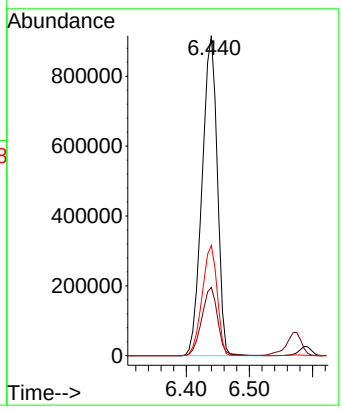


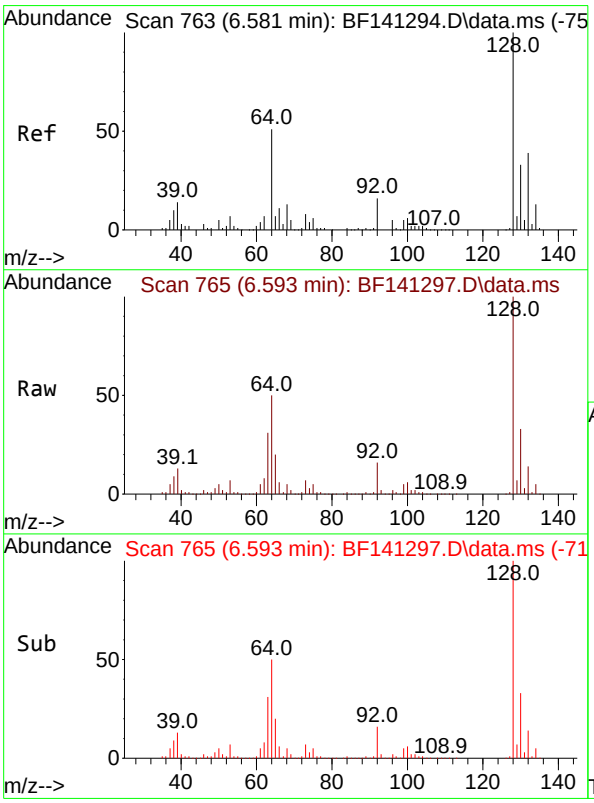

#7
Phenol-d6
Concen: 139.796 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 99 Resp: 1526343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.4 | 17.1 | 25.7 |
| 71 | 34.4 | 26.9 | 40.3 |

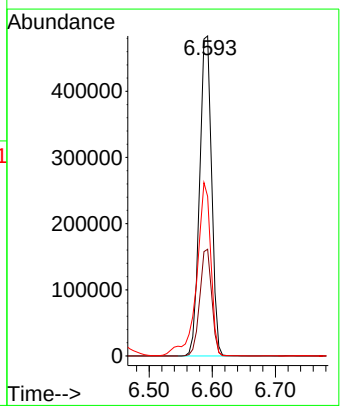


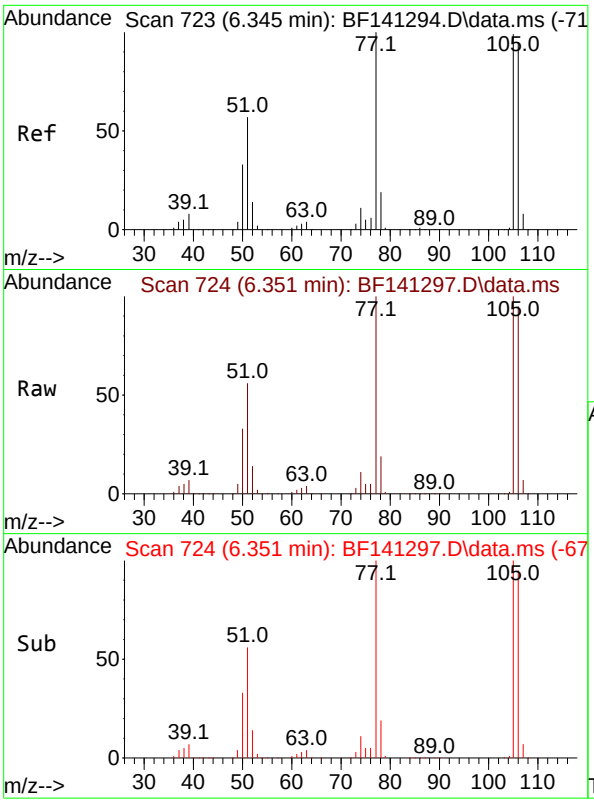




#8
2-Chlorophenol
Concen: 69.519 ng
RT: 6.593 min Scan# 765
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:128 Resp: 639957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.4 | 12.5 | 52.5 |
| 64 | 49.8 | 32.9 | 72.9 |



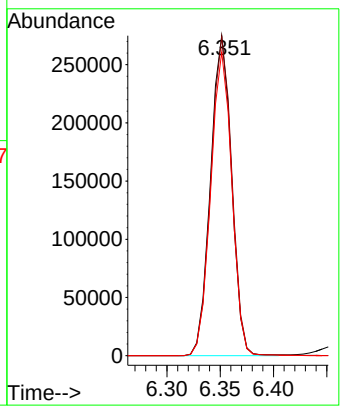


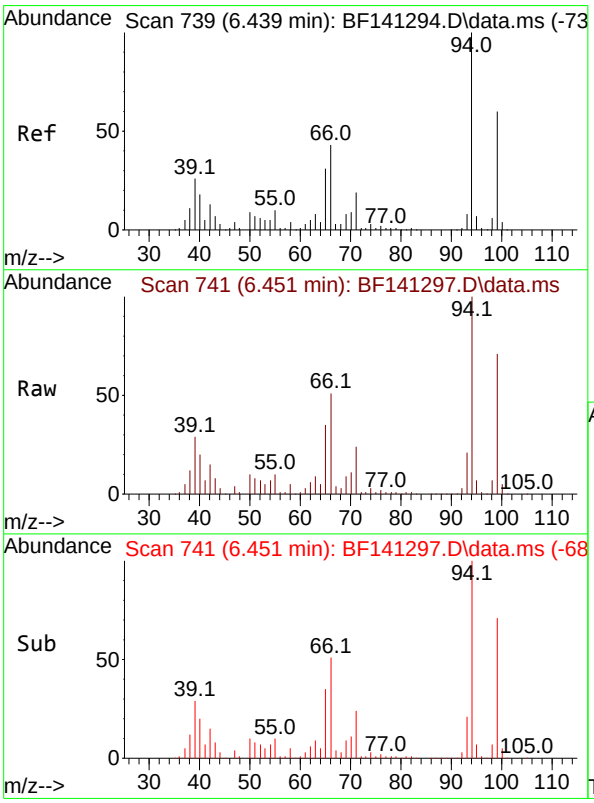

#9
Benzaldehyde
Concen: 58.226 ng
RT: 6.351 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 77 Resp: 376227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.7 | 79.4 | 119.4 |
| 106 | 94.9 | 74.6 | 114.6 |

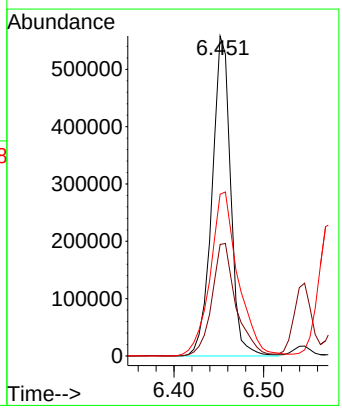


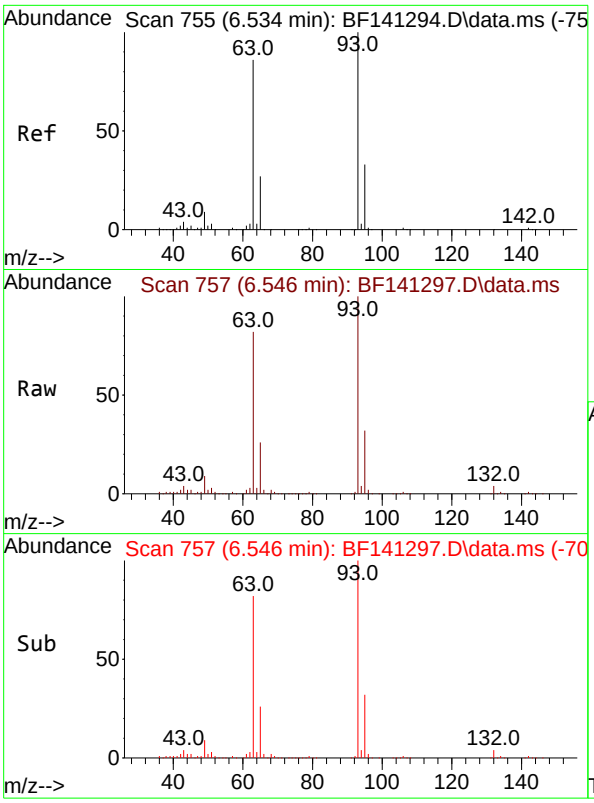




#10
Phenol
Concen: 69.411 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 94 Resp: 804078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 34.9 | 10.8 | 50.8 |
| 66 | 50.6 | 23.3 | 63.3 |



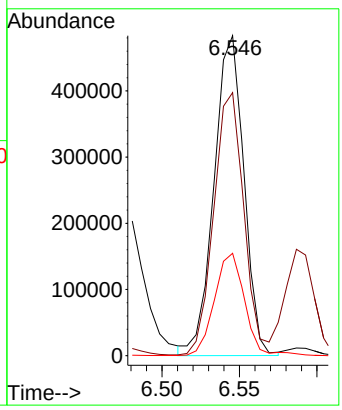


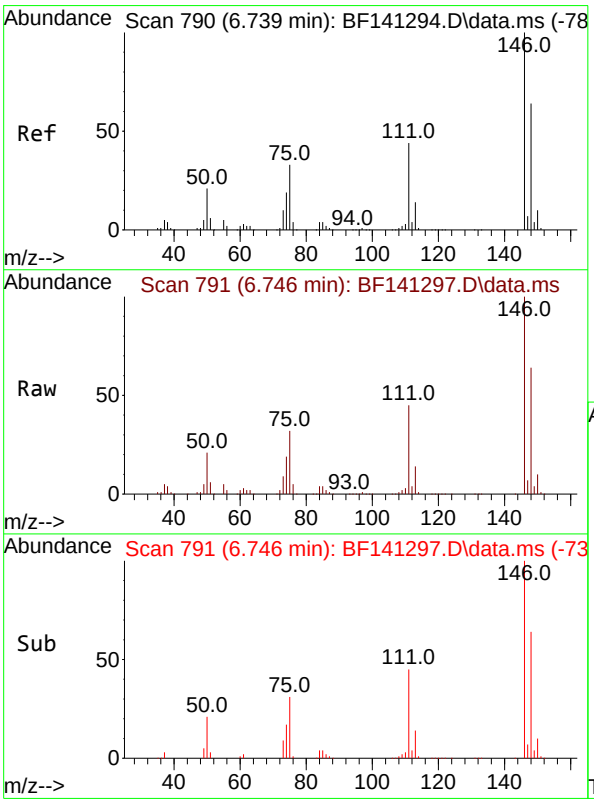

#11
bis(2-Chloroethyl)ether
Concen: 73.535 ng
RT: 6.546 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 93 Resp: 648287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 82.2 | 65.0 | 105.0 |
| 95 | 32.0 | 12.4 | 52.4 |

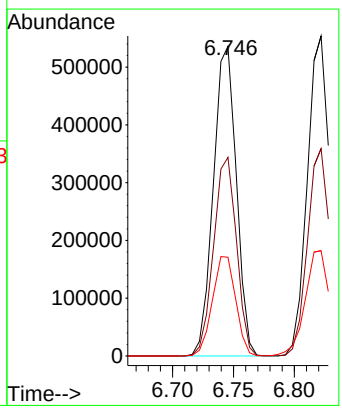


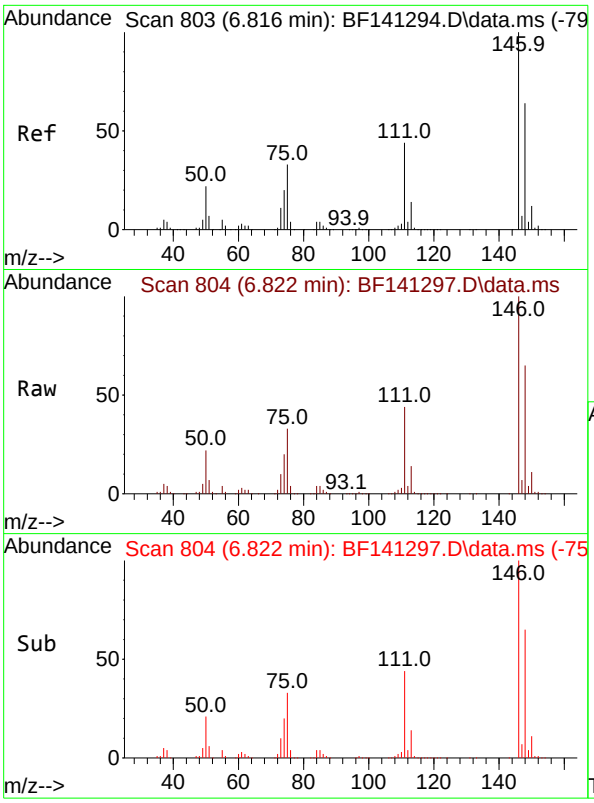




#12
1,3-Dichlorobenzene
Concen: 69.446 ng
RT: 6.746 min Scan# 791
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:146 Resp: 704973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.2 | 76.8 |
| 75 | 31.9 | 26.2 | 39.4 |



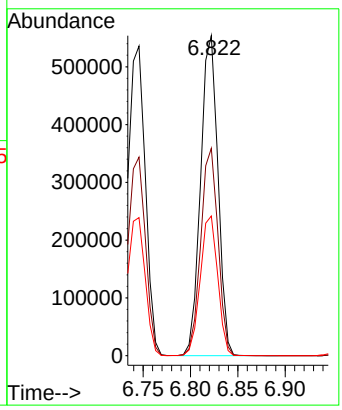


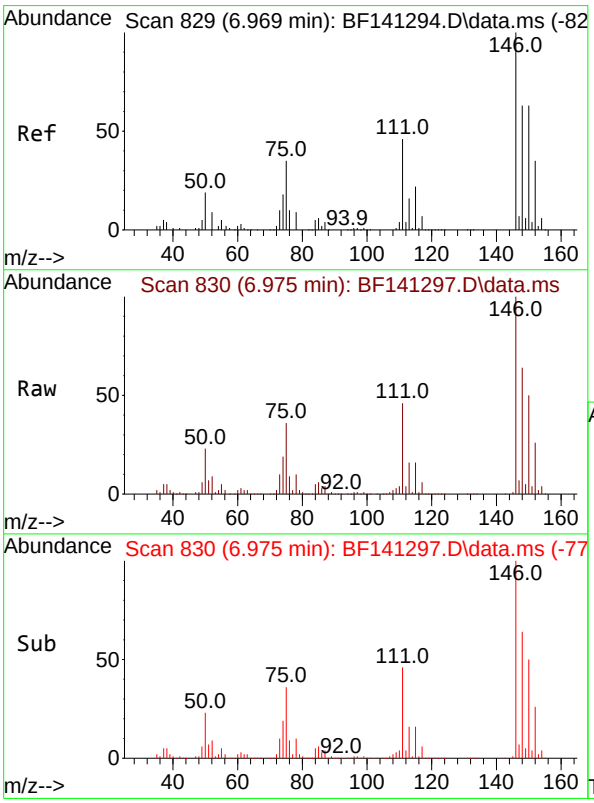

#13
1,4-Dichlorobenzene
Concen: 69.256 ng
RT: 6.822 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:146 Resp: 706528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.2 | 76.8 |
| 111 | 43.6 | 35.0 | 52.4 |

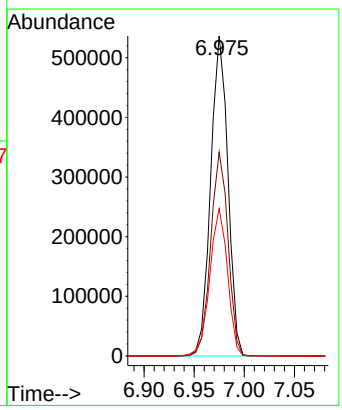


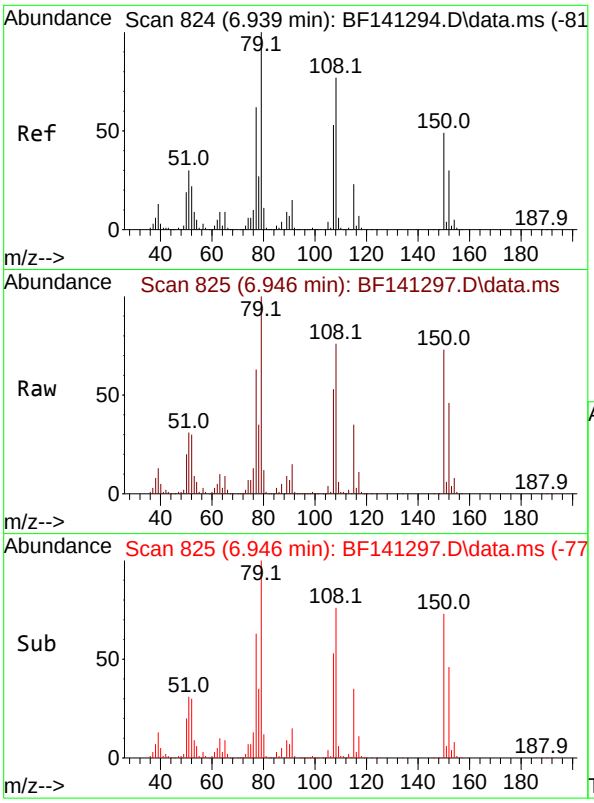




#14
1,2-Dichlorobenzene
Concen: 66.867 ng
RT: 6.975 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:146 Resp: 641551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 50.5 | 75.7 |
| 111 | 46.1 | 36.6 | 55.0 |



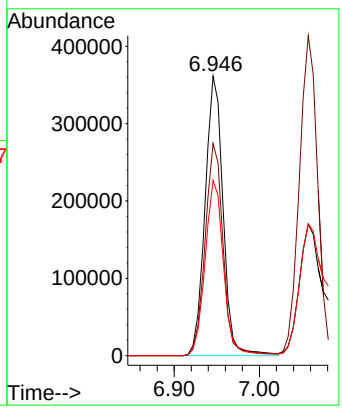


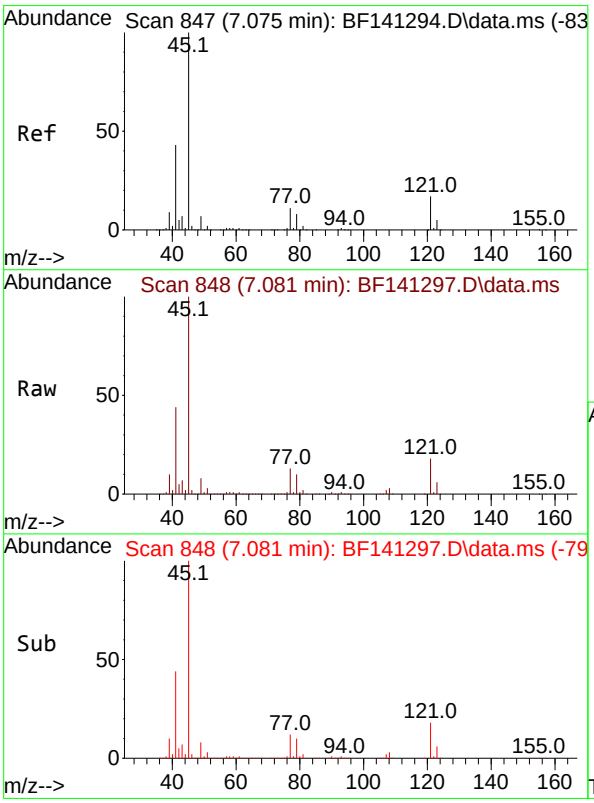

#15
Benzyl Alcohol
Concen: 71.549 ng
RT: 6.946 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 79 Resp: 532270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 75.9 | 61.4 | 92.0 |
| 77 | 62.7 | 49.9 | 74.9 |

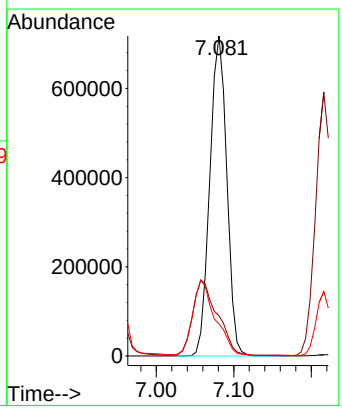


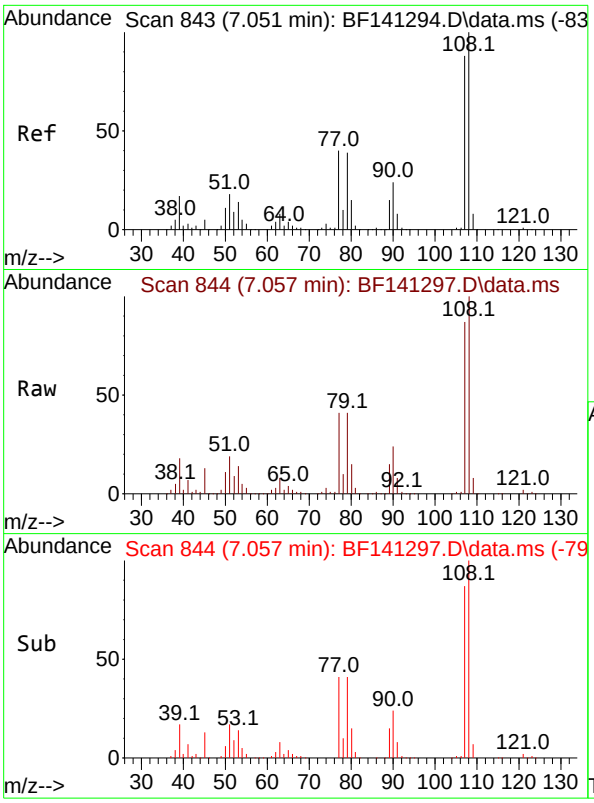




#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.953 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 45 Resp: 1092827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 12.6 | 0.0 | 31.8 |
| 79 | 10.0 | 0.0 | 29.1 |



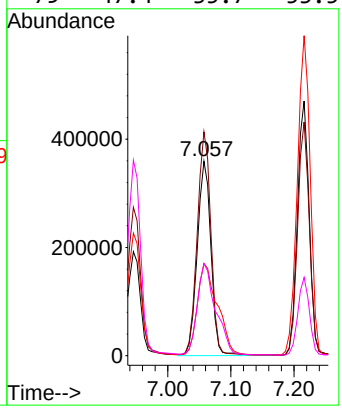


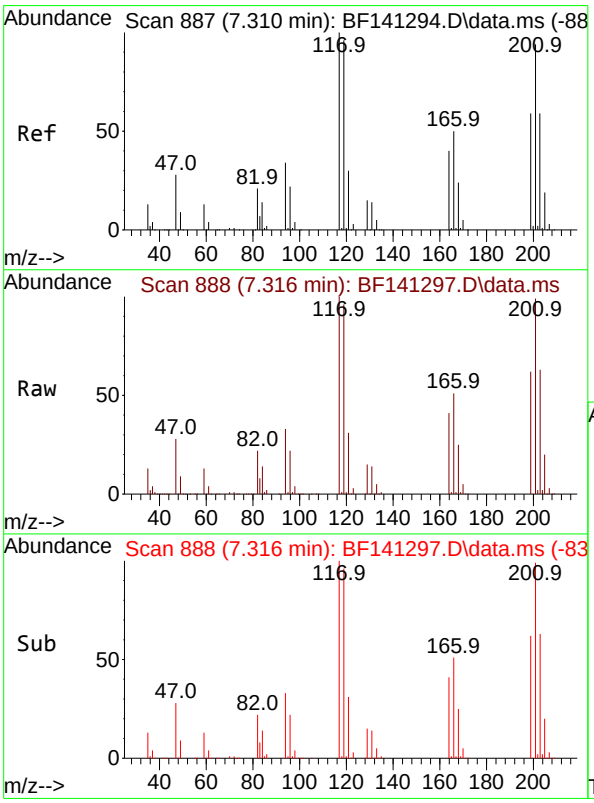

#17
2-Methylphenol
Concen: 73.368 ng
RT: 7.057 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:107 Resp: 545097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 115.2 | 90.8 | 136.2 |
| 77 | 47.5 | 36.2 | 54.4 |
| 79 | 47.4 | 35.7 | 53.5 |

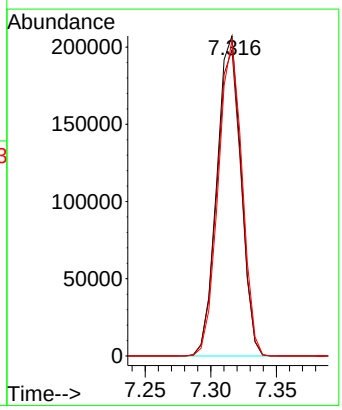


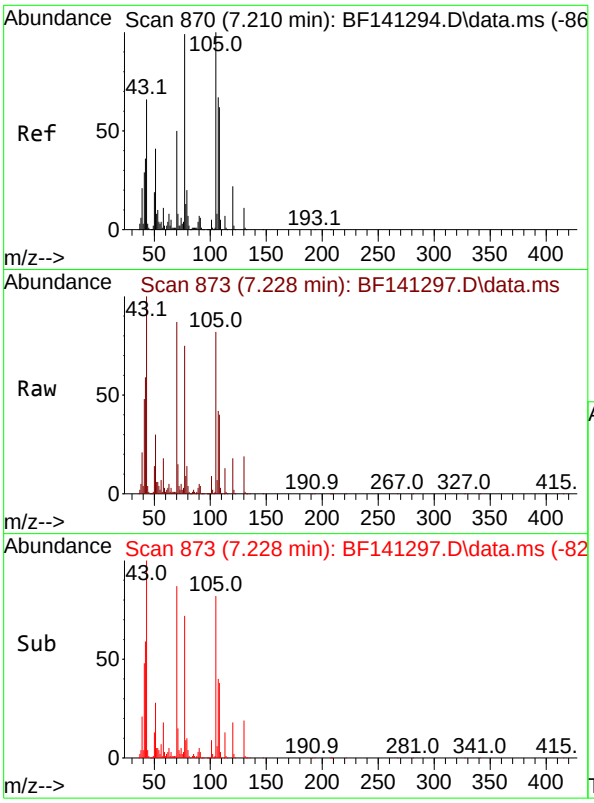




#18
Hexachloroethane
Concen: 70.765 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:117 Resp: 265593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.7 | 76.6 | 114.8 |
| 201 | 98.6 | 74.8 | 112.2 |



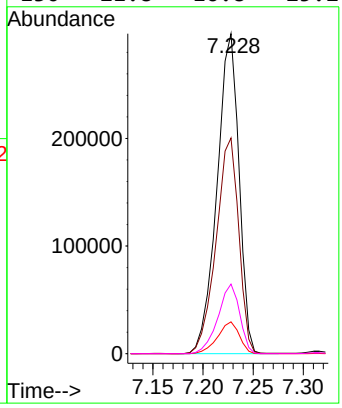


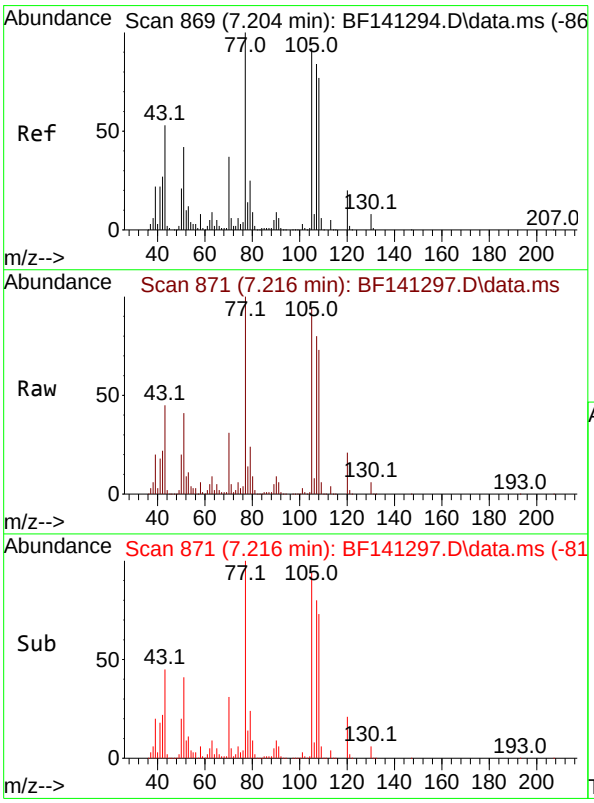

#19
n-Nitroso-di-n-propylamine
Concen: 69.874 ng
RT: 7.228 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 70 Resp: 452303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 67.4 | 56.8 | 85.2 |
| 101 | 9.9 | 7.7 | 11.5 |
| 130 | 21.8 | 16.8 | 25.2 |

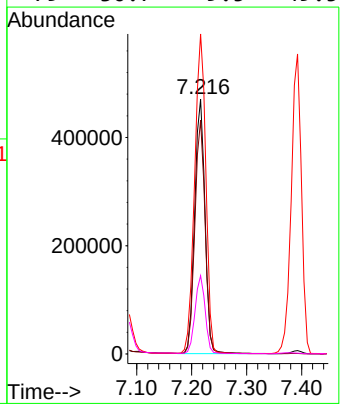


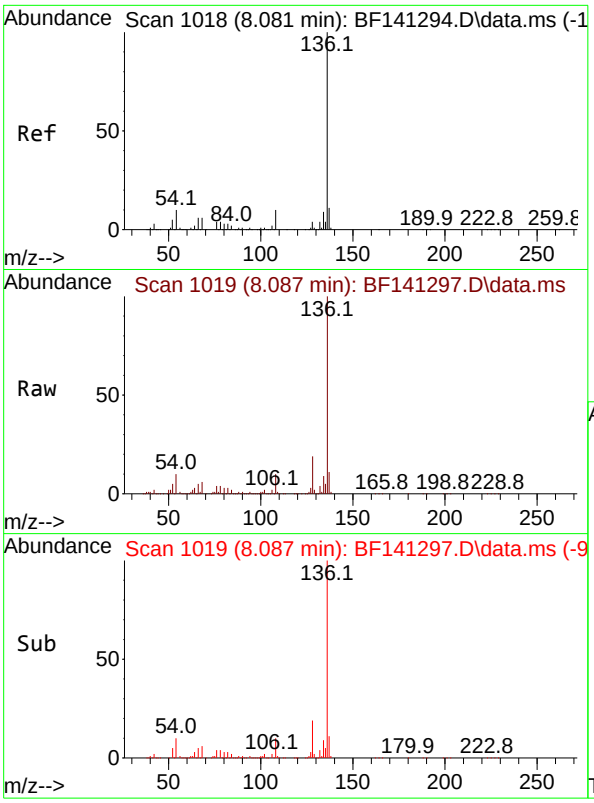




#20
3+4-Methylphenols
Concen: 66.467 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:107 Resp: 613997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.8 | 70.9 | 110.9 |
| 77 | 125.6 | 98.5 | 138.5 |
| 79 | 30.7 | 9.5 | 49.5 |



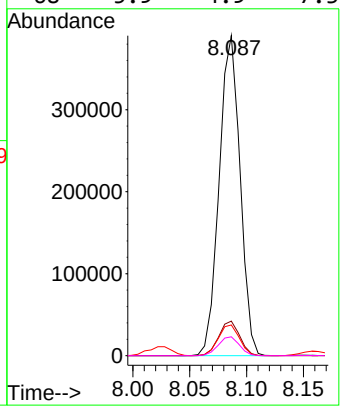


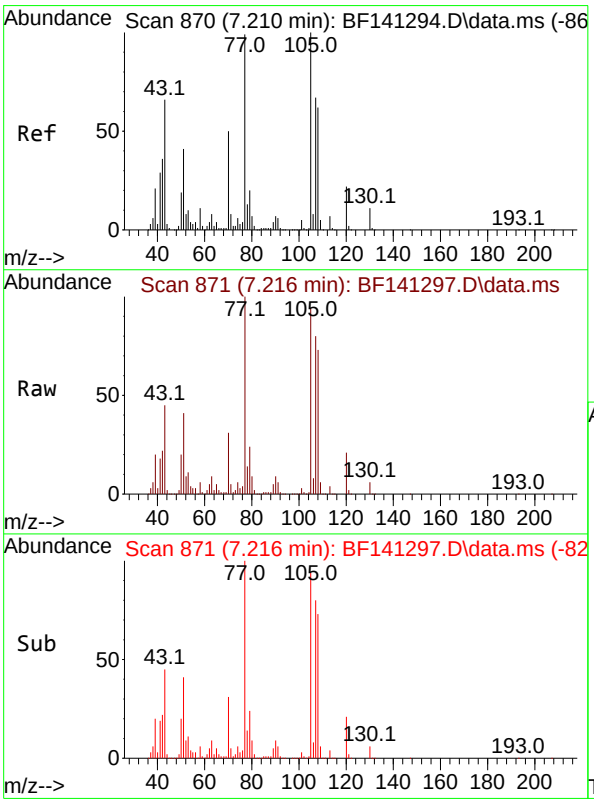

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:136 Resp: 500219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.6 | 13.0 |
| 54 | 9.6 | 7.8 | 11.8 |
| 68 | 5.9 | 4.9 | 7.3 |

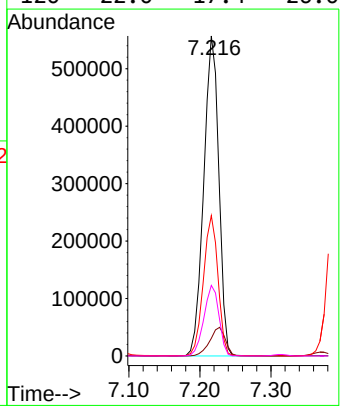


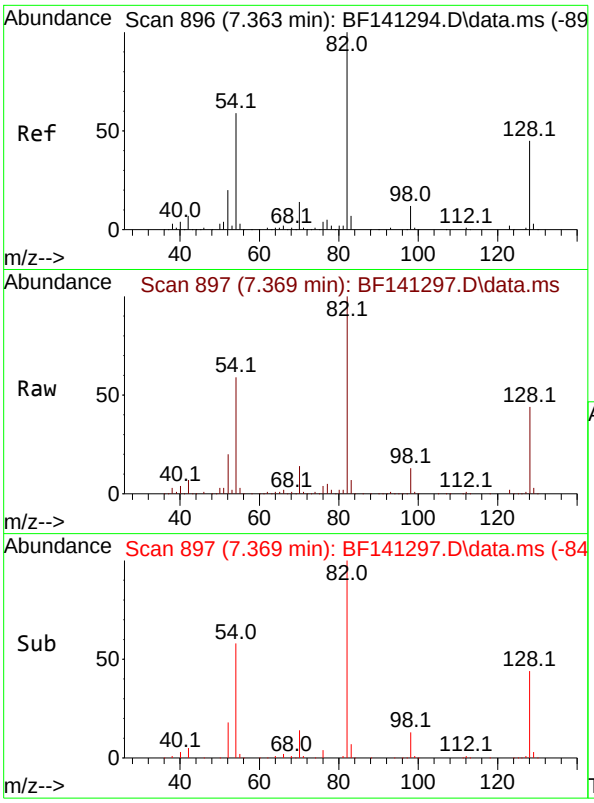




#22
Acetophenone
Concen: 67.811 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:105 Resp: 824220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 5.5 | 6.8 | 10.2# |
| 51 | 43.9 | 32.6 | 49.0 |
| 120 | 22.0 | 17.4 | 26.0 |



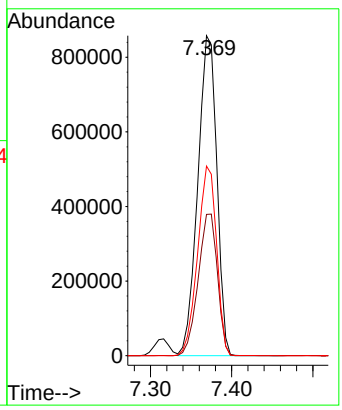


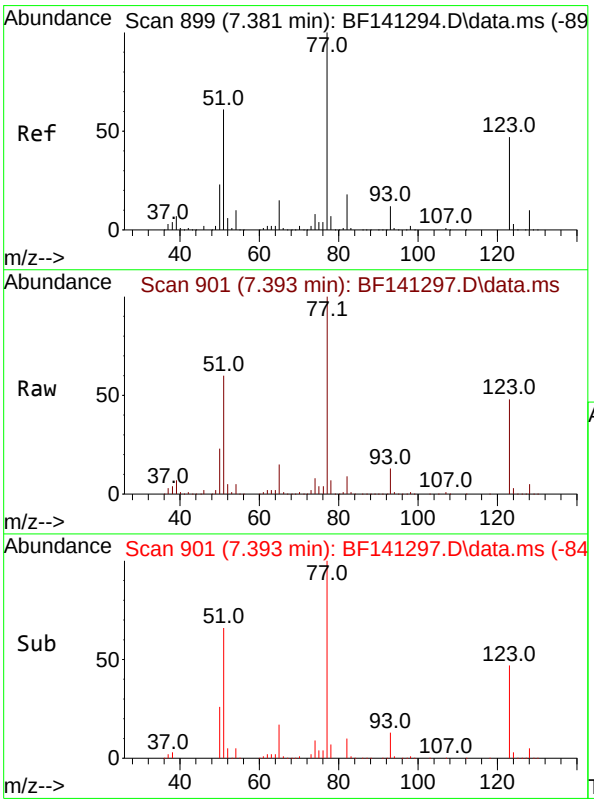

#23
Nitrobenzene-d5
Concen: 145.214 ng
RT: 7.369 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 82 Resp: 1396346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.2 | 35.7 | 53.5 |
| 54 | 59.3 | 47.1 | 70.7 |

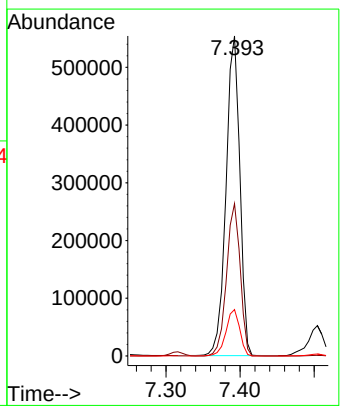


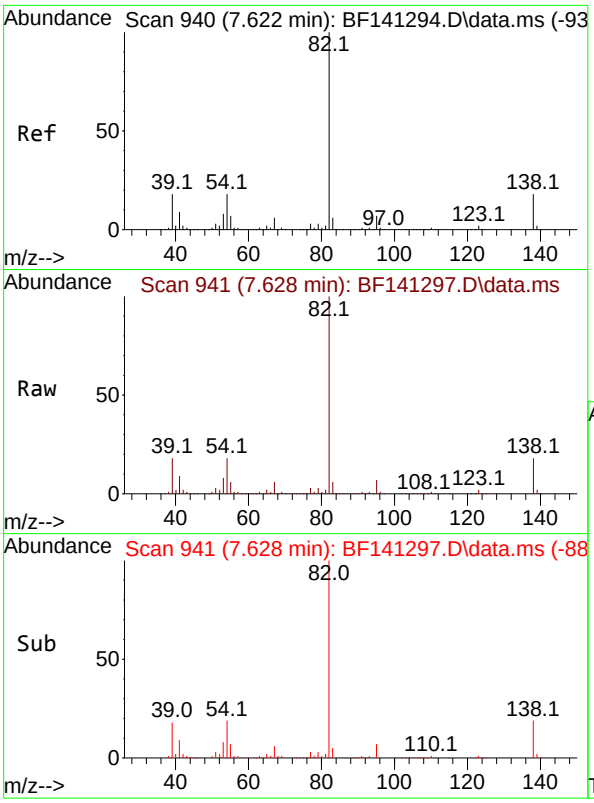




#24
Nitrobenzene
Concen: 71.762 ng
RT: 7.393 min Scan# 901
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 77 Resp: 716200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.6 | 37.3 | 55.9 |
| 65 | 14.5 | 11.8 | 17.6 |



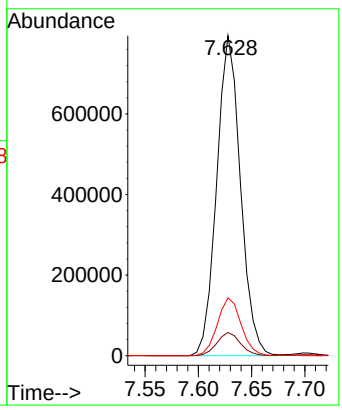


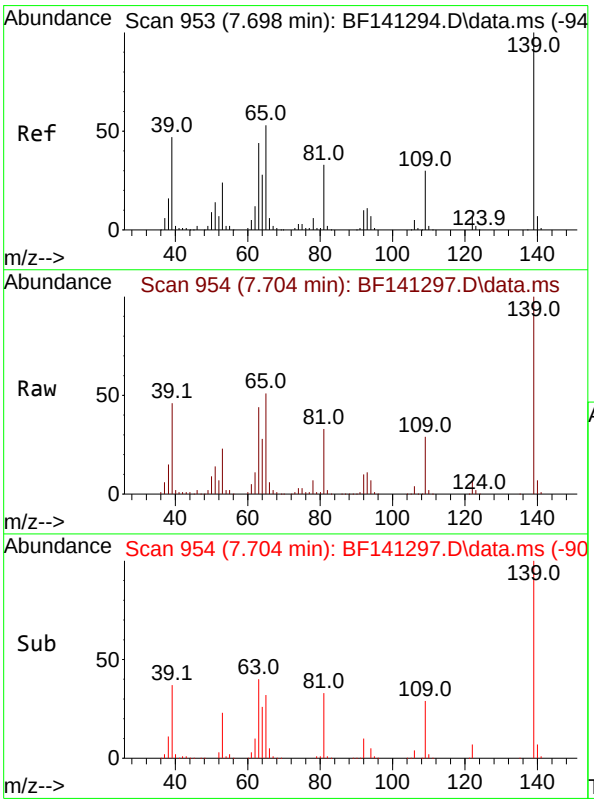

#25
Isophorone
Concen: 74.193 ng
RT: 7.628 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 82 Resp: 1229697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.3 | 5.8 | 8.6 |
| 138 | 18.1 | 14.7 | 22.1 |

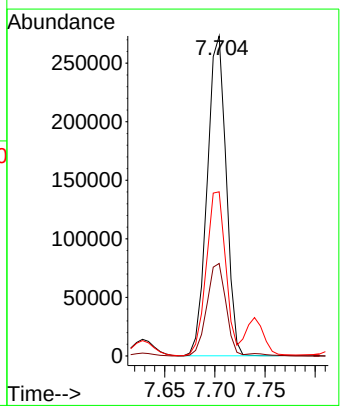


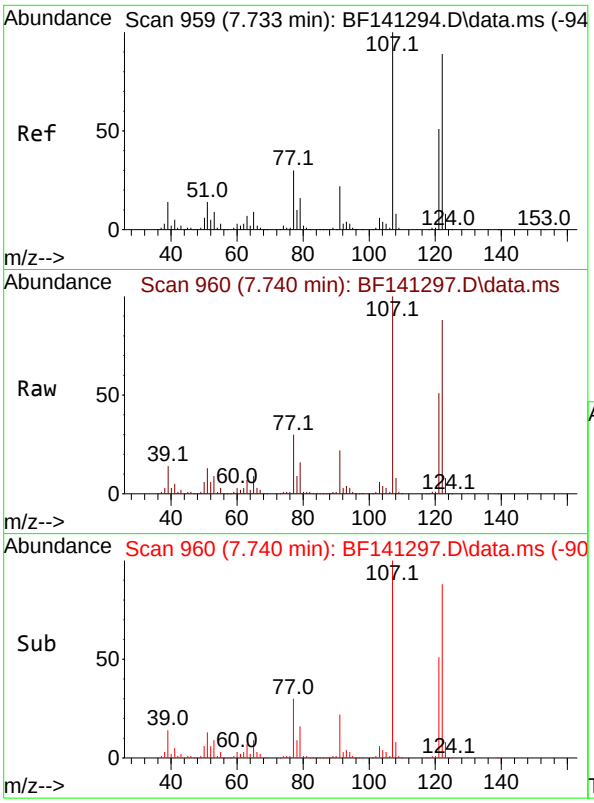




#26
2-Nitrophenol
Concen: 76.912 ng
RT: 7.704 min Scan# 954
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:139 Resp: 358664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 28.9 | 23.8 | 35.6 |
| 65 | 51.3 | 42.2 | 63.4 |



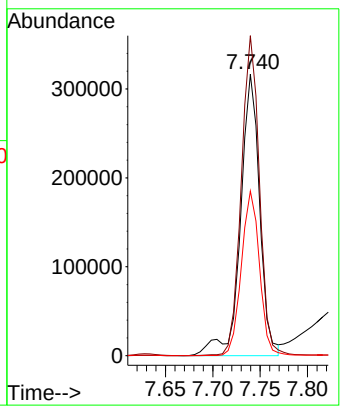


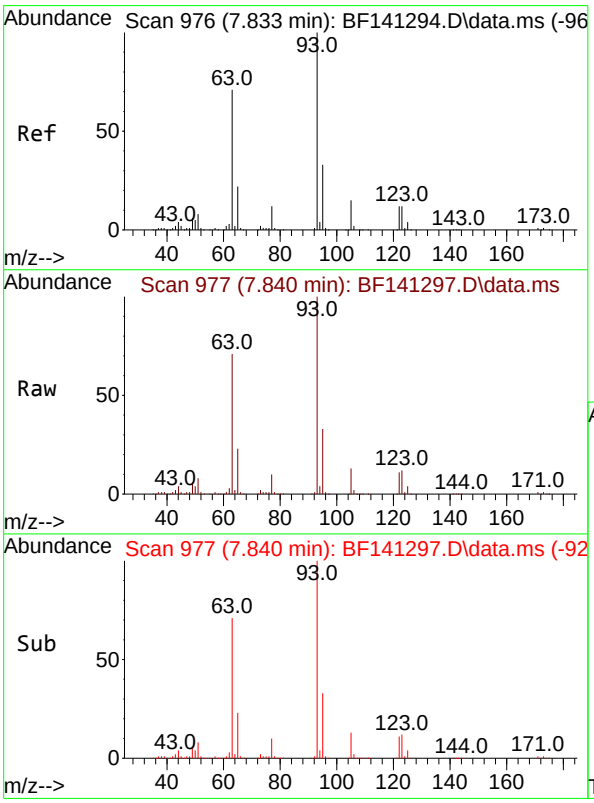

#27
2,4-Dimethylphenol
Concen: 74.779 ng
RT: 7.740 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:122 Resp: 445560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 113.7 | 89.9 | 134.9 |
| 121 | 58.5 | 46.1 | 69.1 |

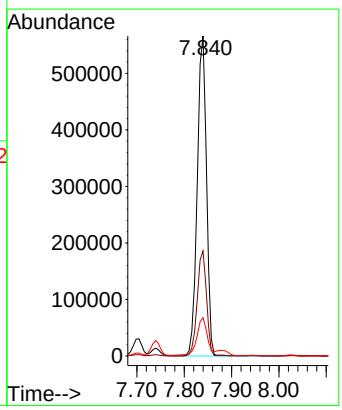


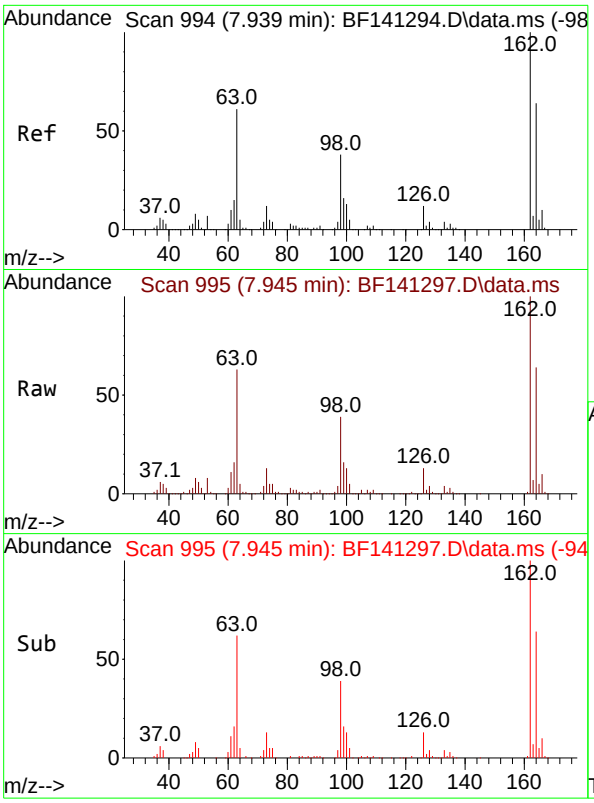




#28
bis(2-Chloroethoxy)methane
Concen: 72.405 ng
RT: 7.840 min Scan# 977
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 93 Resp: 767960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.8 | 26.2 | 39.2 |
| 123 | 12.0 | 10.2 | 15.4 |



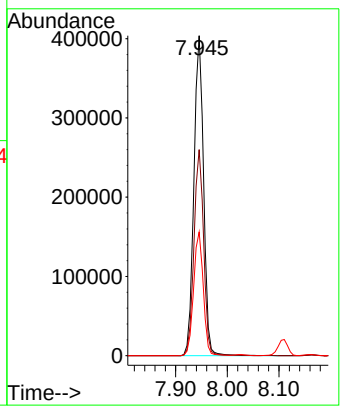


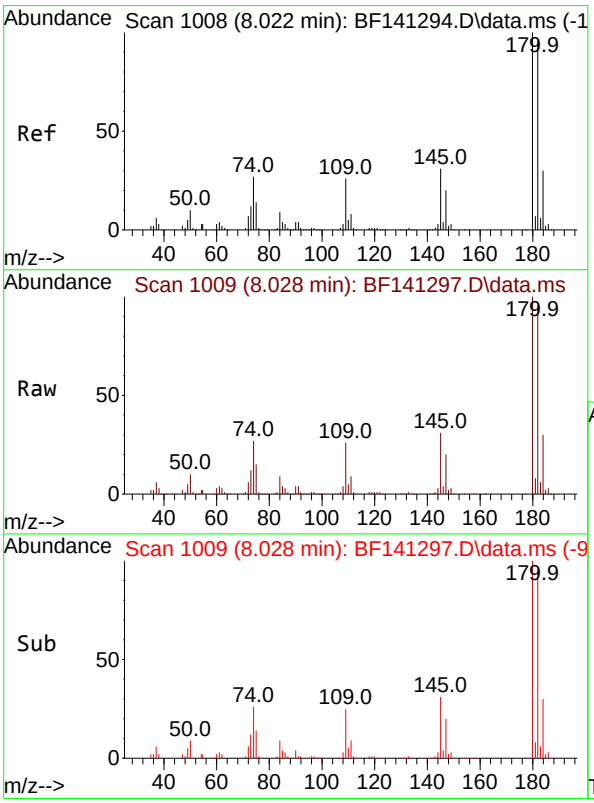

#29
2,4-Dichlorophenol
Concen: 71.573 ng
RT: 7.945 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:162 Resp: 525117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.4 | 44.2 | 84.2 |
| 98 | 38.6 | 18.2 | 58.2 |

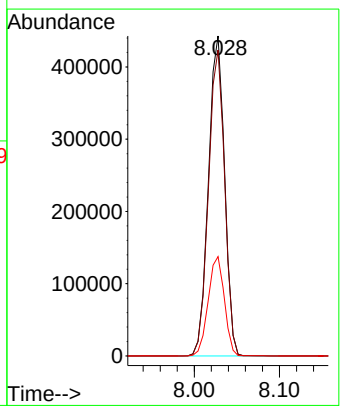


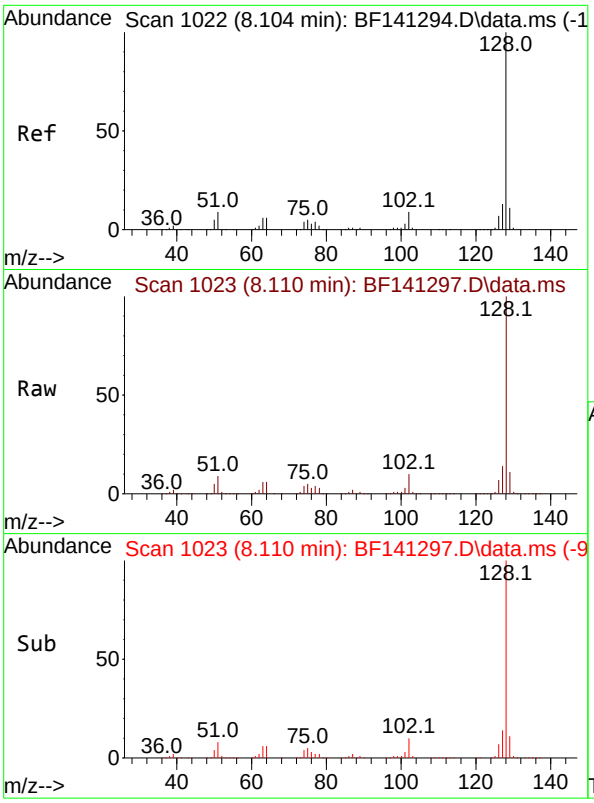




#30
1,2,4-Trichlorobenzene
Concen: 69.437 ng
RT: 8.028 min Scan# 1009
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:180 Resp: 584061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 76.4 | 114.6 |
| 145 | 31.0 | 24.9 | 37.3 |



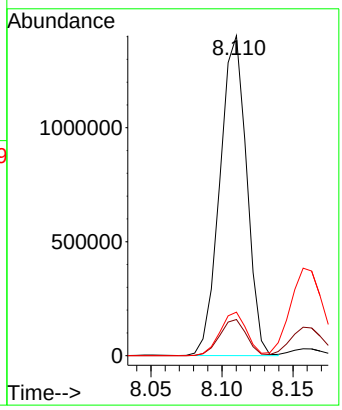


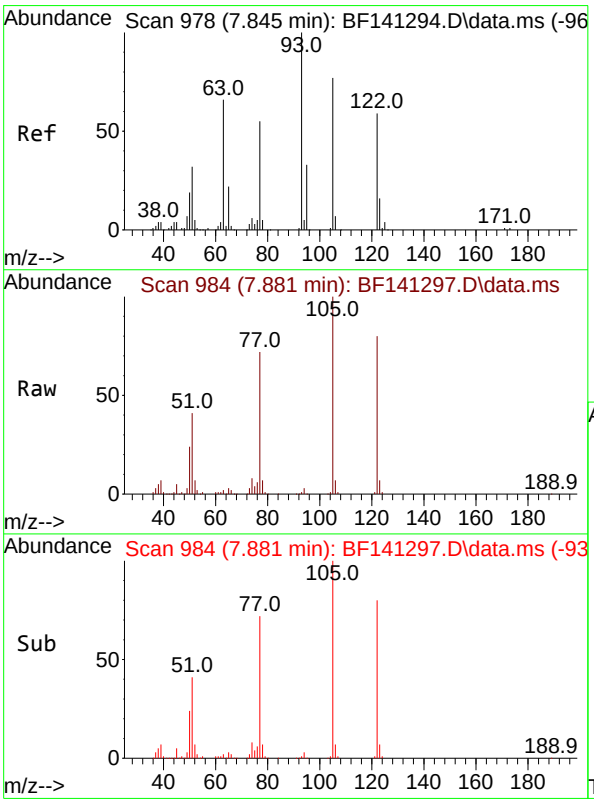

#31
Naphthalene
Concen: 68.107 ng
RT: 8.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:128 Resp: 1838789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 8.9 | 13.3 |
| 127 | 13.6 | 10.6 | 15.8 |

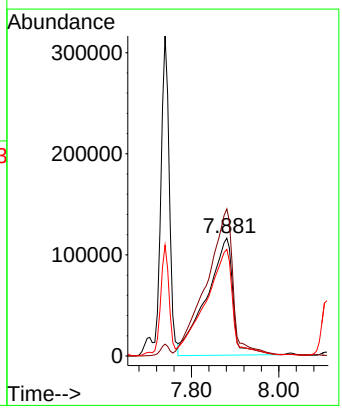


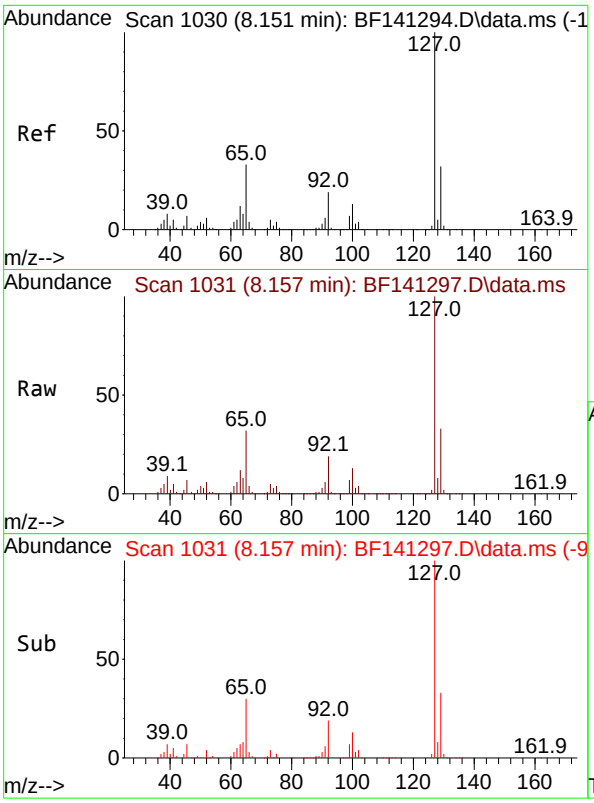




#32
Benzoic acid
Concen: 91.066 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.018 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:122 Resp: 484583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.8 | 103.4 | 143.4 |
| 77 | 90.5 | 70.9 | 110.9 |



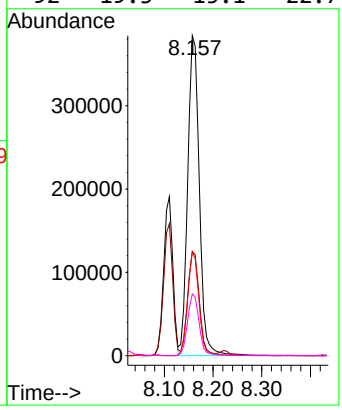


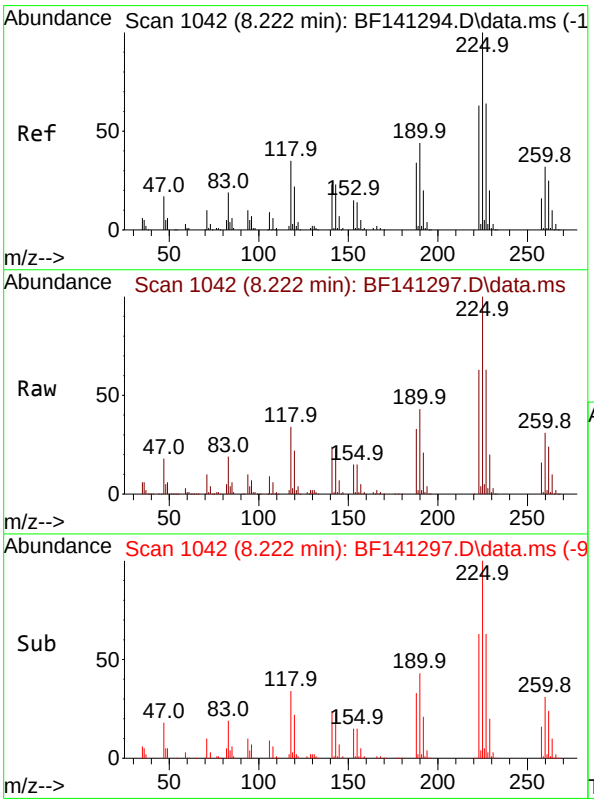

#33
4-Chloroaniline
Concen: 69.737 ng
RT: 8.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:127 Resp: 636568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.6 | 25.7 | 38.5 |
| 65 | 32.4 | 26.4 | 39.6 |
| 92 | 19.3 | 15.1 | 22.7 |

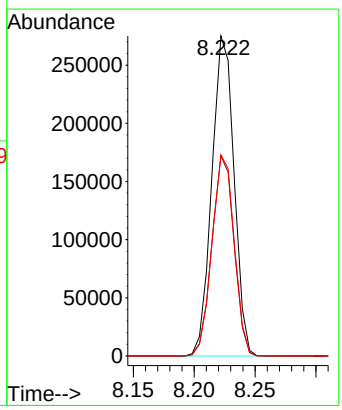


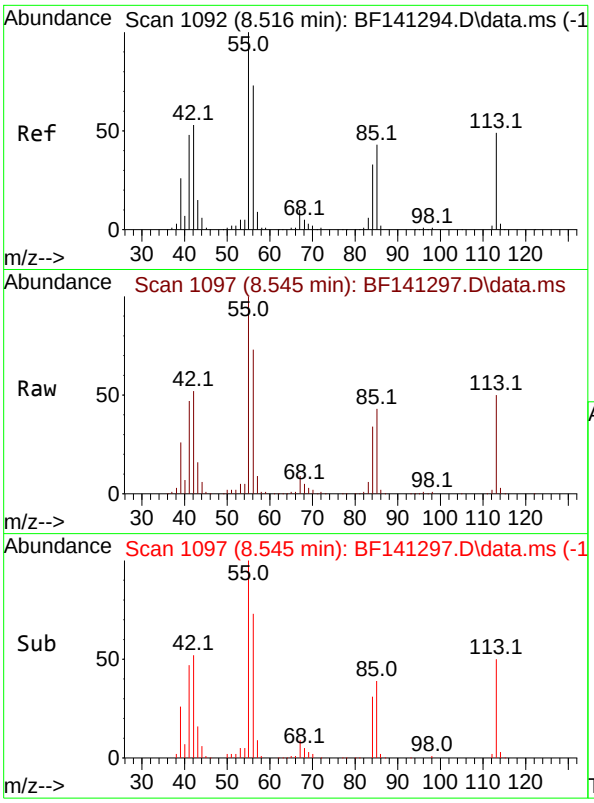




#34
Hexachlorobutadiene
Concen: 70.904 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:225 Resp: 348822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 50.4 | 75.6 |
| 227 | 62.9 | 51.3 | 76.9 |



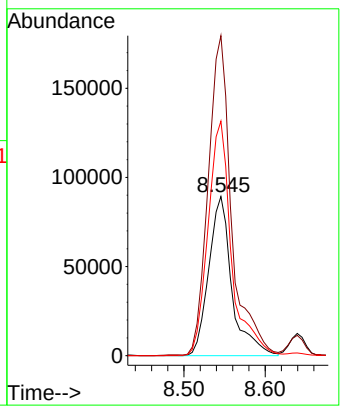


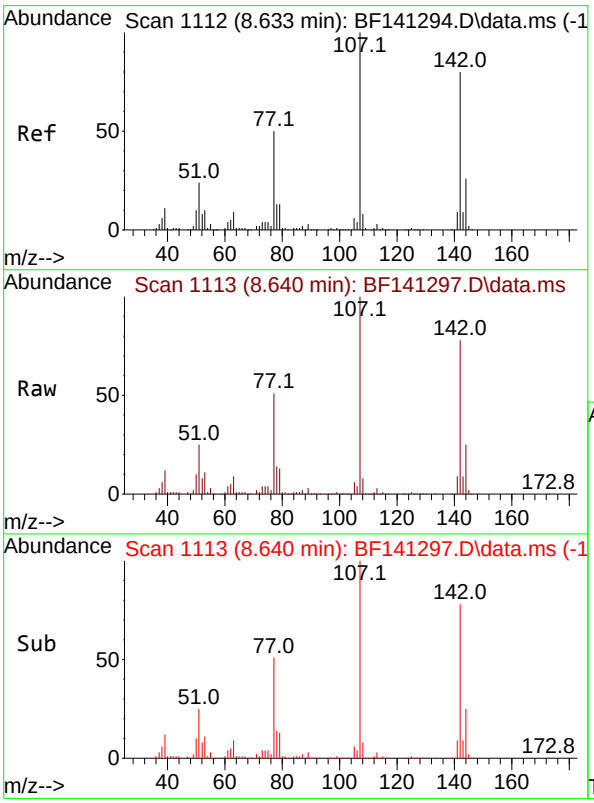

#35
Caprolactam
Concen: 74.270 ng
RT: 8.545 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:113 Resp: 177093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 201.0 | 182.9 | 222.9 |
| 56 | 147.3 | 127.9 | 167.9 |

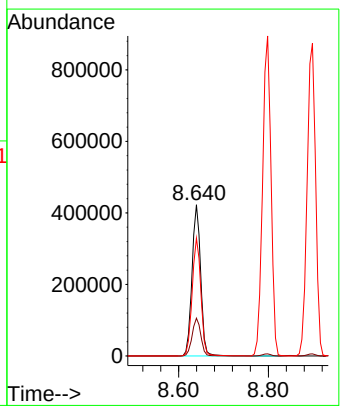


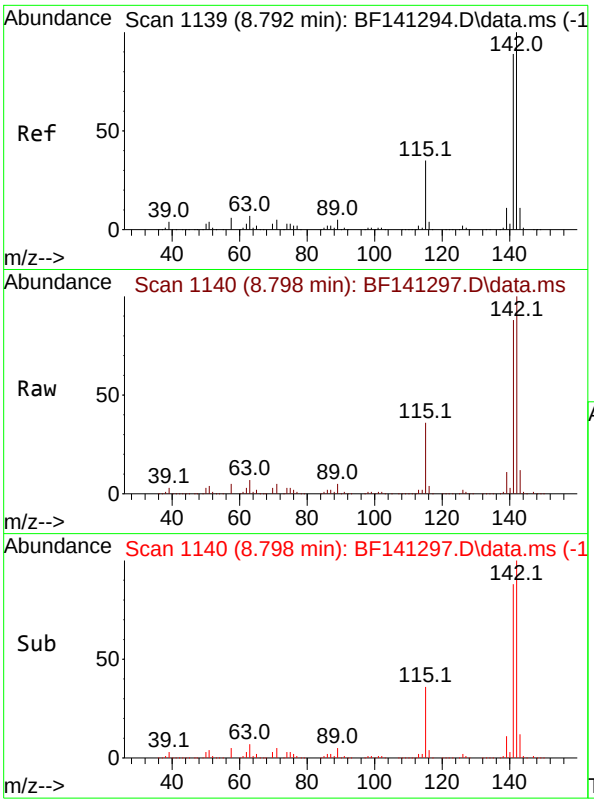




#36
4-Chloro-3-methylphenol
Concen: 72.094 ng
RT: 8.640 min Scan# 1113
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:107 Resp: 566827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.9 | 20.7 | 31.1 |
| 142 | 77.9 | 63.8 | 95.8 |



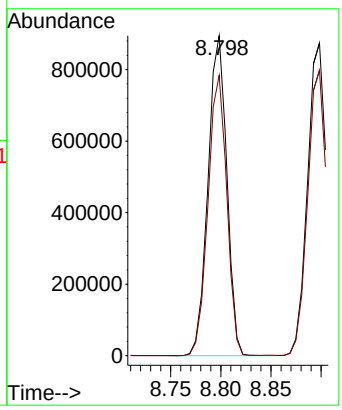


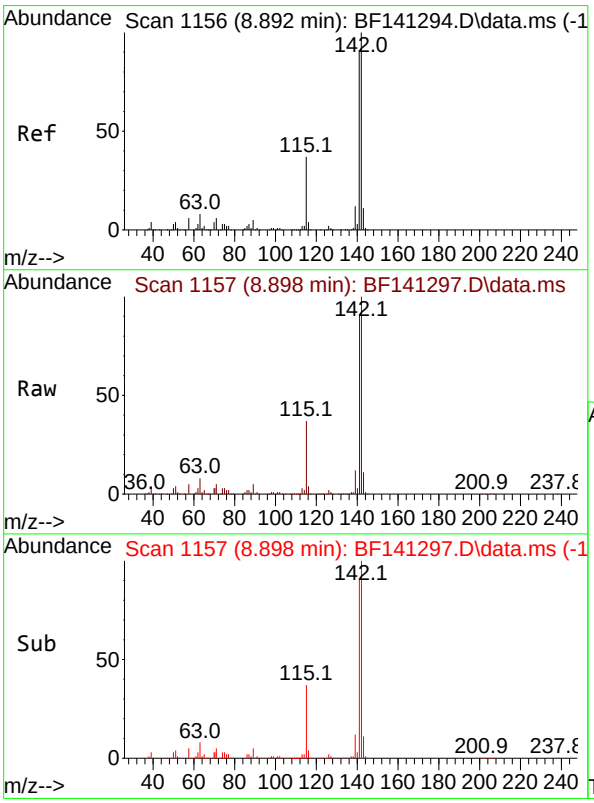

#37
2-Methylnaphthalene
Concen: 67.926 ng
RT: 8.798 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:142 Resp: 1165995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.6 | 71.3 | 106.9 |

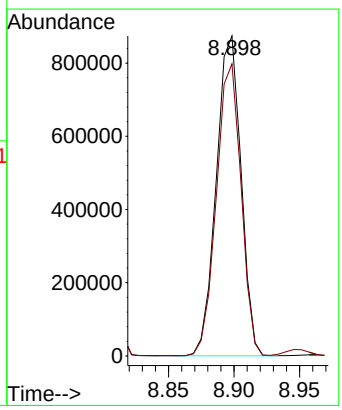


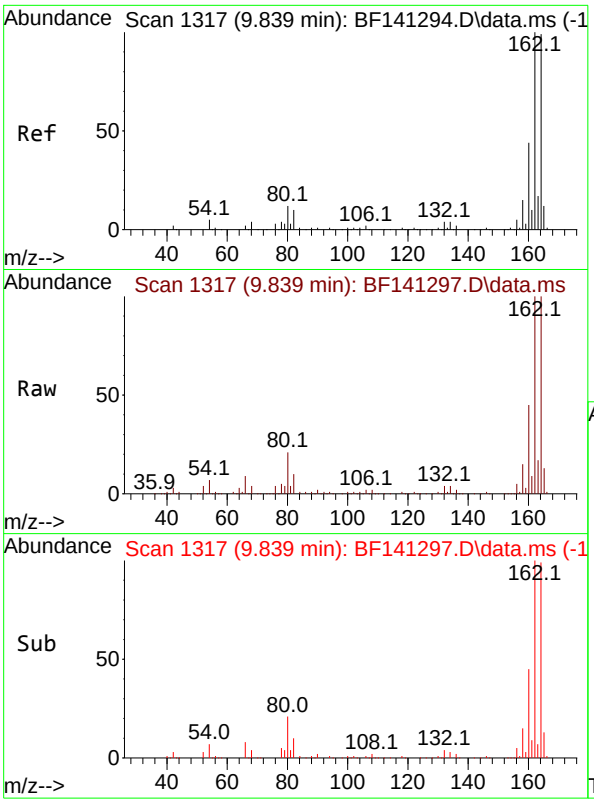




#38
1-Methylnaphthalene
Concen: 67.988 ng
RT: 8.898 min Scan# 1157
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:142 Resp: 1146275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.3 | 73.2 | 109.8 |



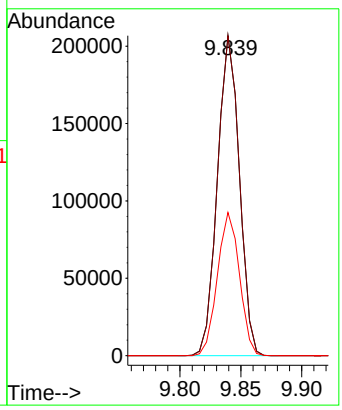


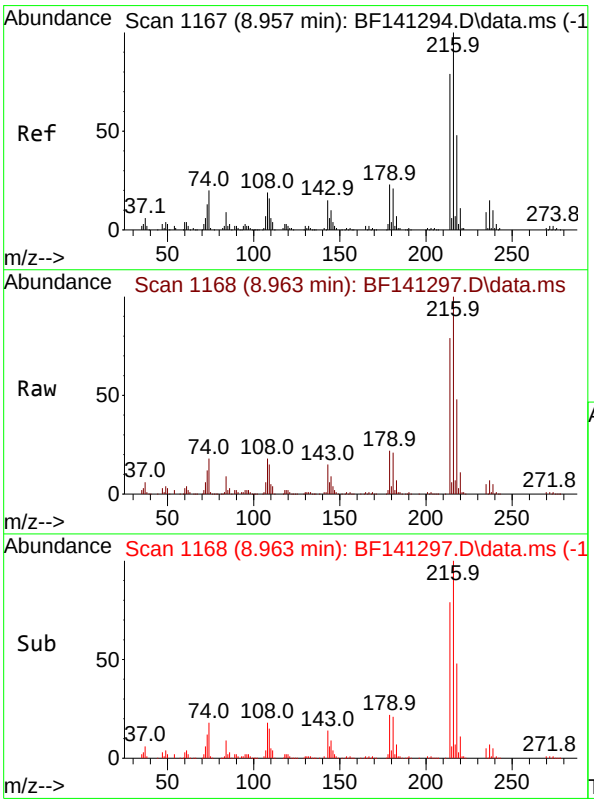

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:164 Resp: 259556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.9 | 80.6 | 121.0 |
| 160 | 44.8 | 35.8 | 53.6 |

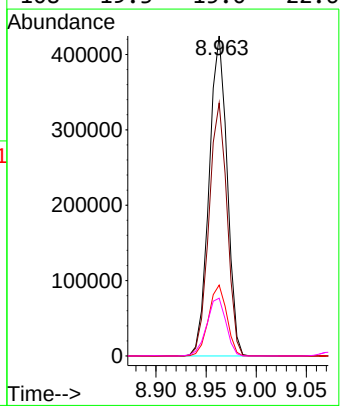


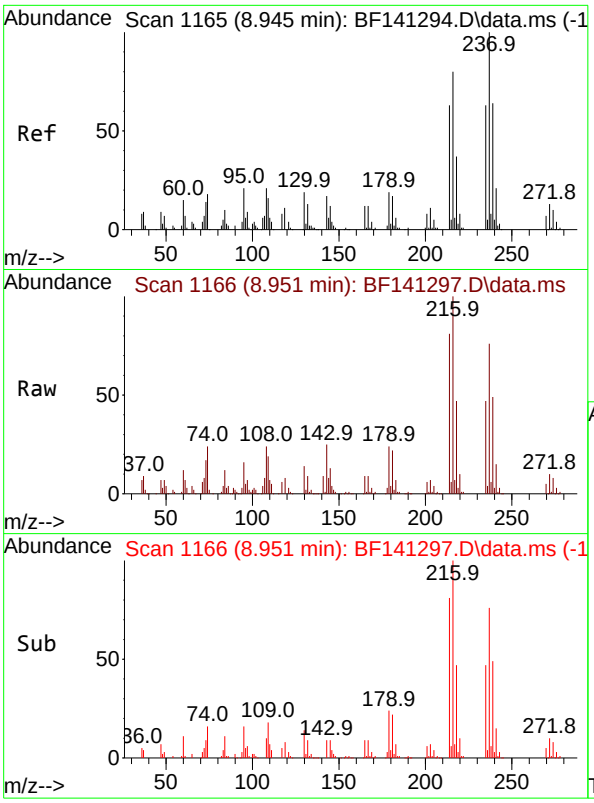




#40
1,2,4,5-Tetrachlorobenzene
Concen: 70.756 ng
RT: 8.963 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:216 Resp: 531237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.2 | 63.2 | 94.8 |
| 179 | 22.3 | 17.8 | 26.8 |
| 108 | 19.3 | 15.0 | 22.6 |



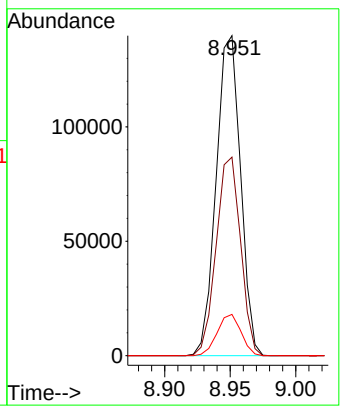


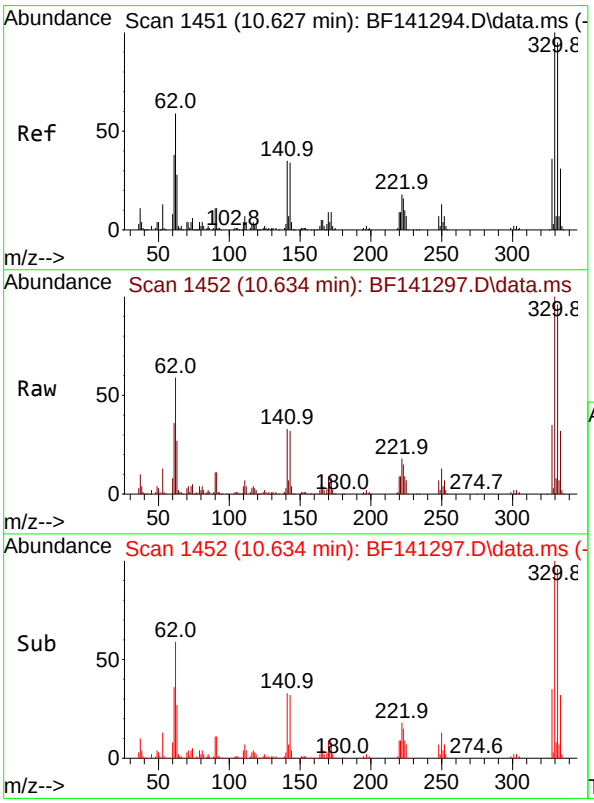

#41
Hexachlorocyclopentadiene
Concen: 83.336 ng
RT: 8.951 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:237 Resp: 180658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.0 | 42.9 | 82.9 |
| 272 | 12.9 | 0.0 | 32.8 |

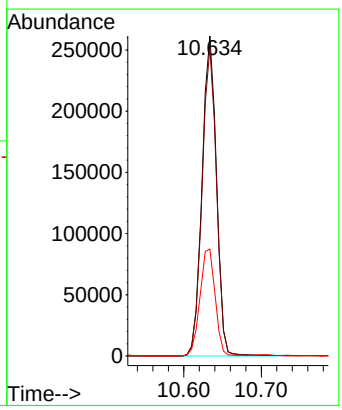


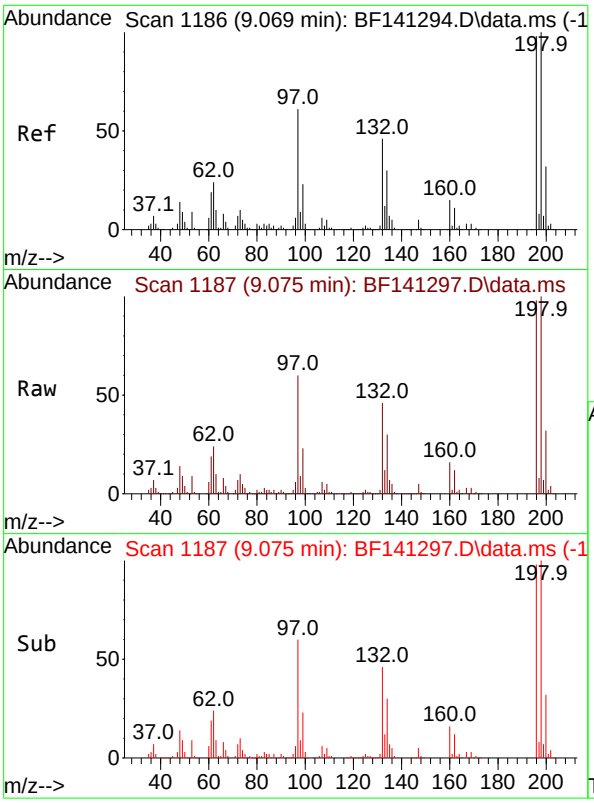




#42
2,4,6-Tribromophenol
Concen: 139.281 ng
RT: 10.634 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:330 Resp: 337670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 76.1 | 114.1 |
| 141 | 35.3 | 28.8 | 43.2 |



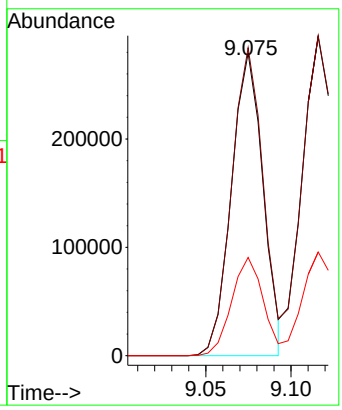


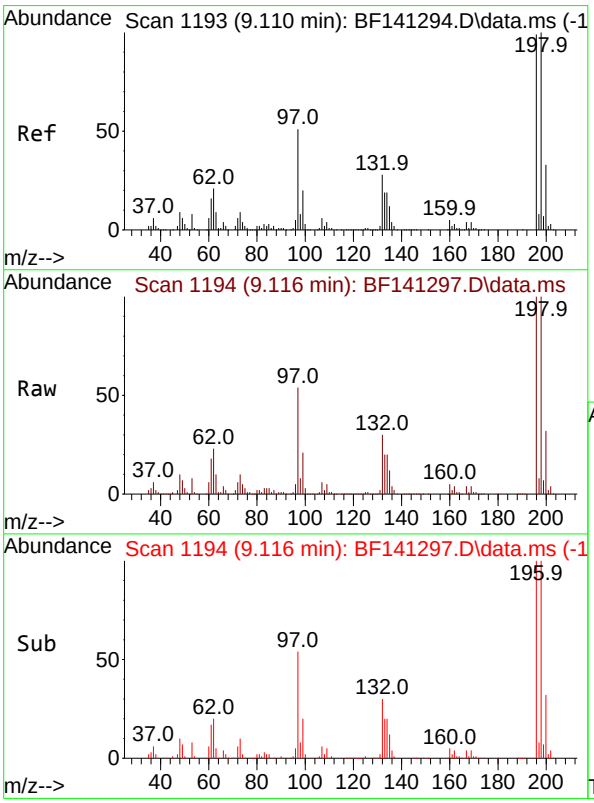

#43
2,4,6-Trichlorophenol
Concen: 73.727 ng
RT: 9.075 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:196 Resp: 360370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.8 | 81.8 | 122.6 |
| 200 | 32.5 | 26.3 | 39.5 |

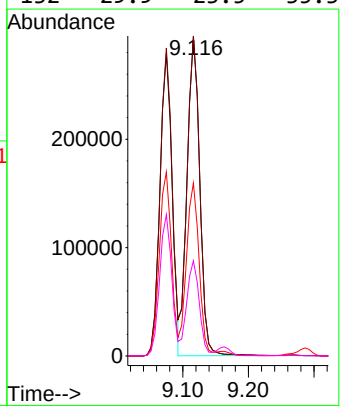


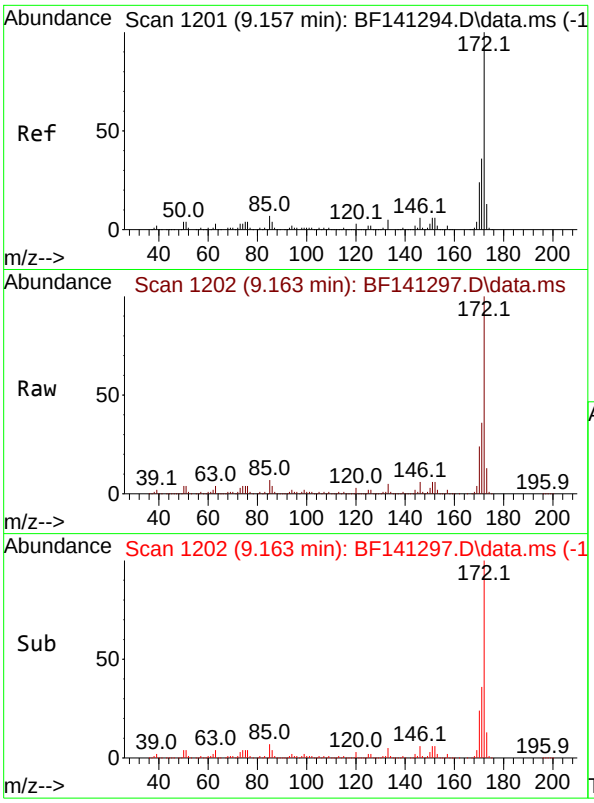




#44
2,4,5-Trichlorophenol
Concen: 74.958 ng
RT: 9.116 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:196 Resp: 397887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.3 | 80.5 | 120.7 |
| 97 | 54.2 | 42.8 | 64.2 |
| 132 | 29.9 | 23.5 | 35.3 |



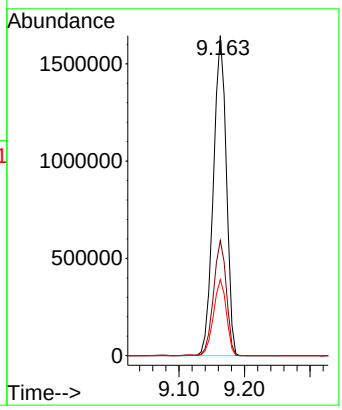


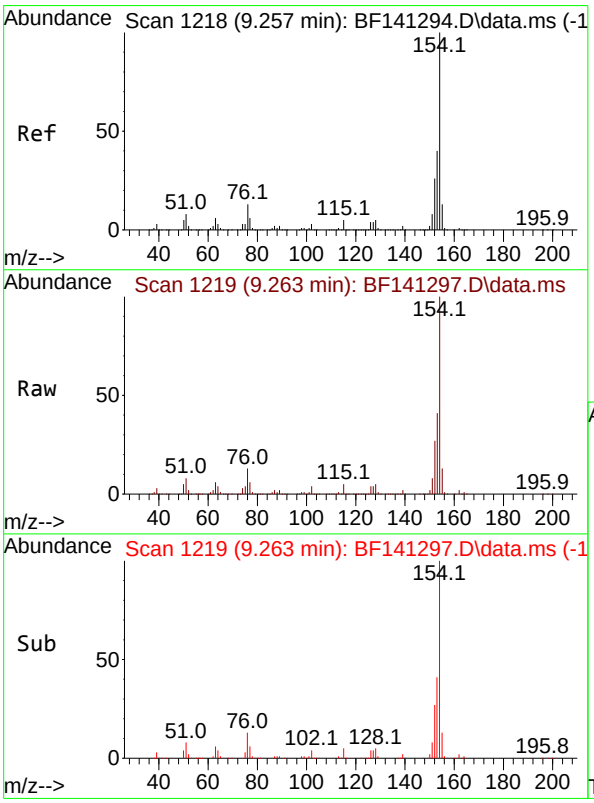

#45
2-Fluorobiphenyl
Concen: 129.739 ng
RT: 9.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:172 Resp: 2248567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 28.8 | 43.2 |
| 170 | 23.7 | 19.0 | 28.6 |

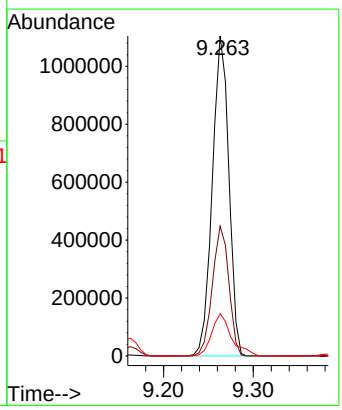


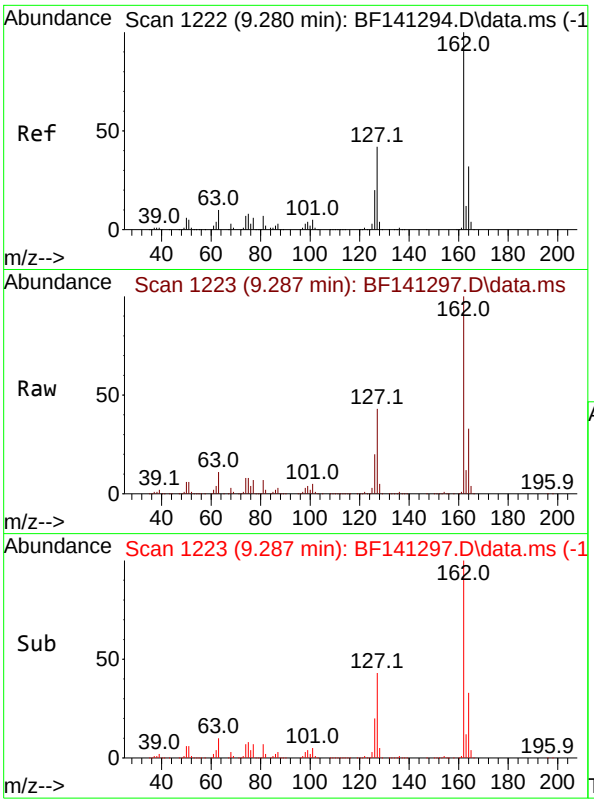




#46
1,1'-Biphenyl
Concen: 68.298 ng
RT: 9.263 min Scan# 1219
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:154 Resp: 1412015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.6 | 20.0 | 60.0 |
| 76 | 13.2 | 0.0 | 32.8 |



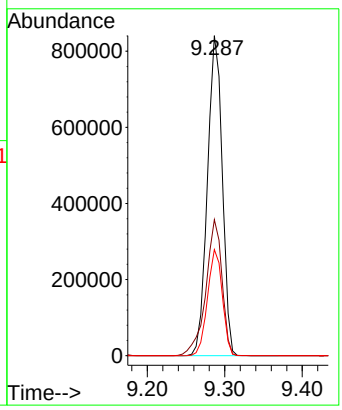


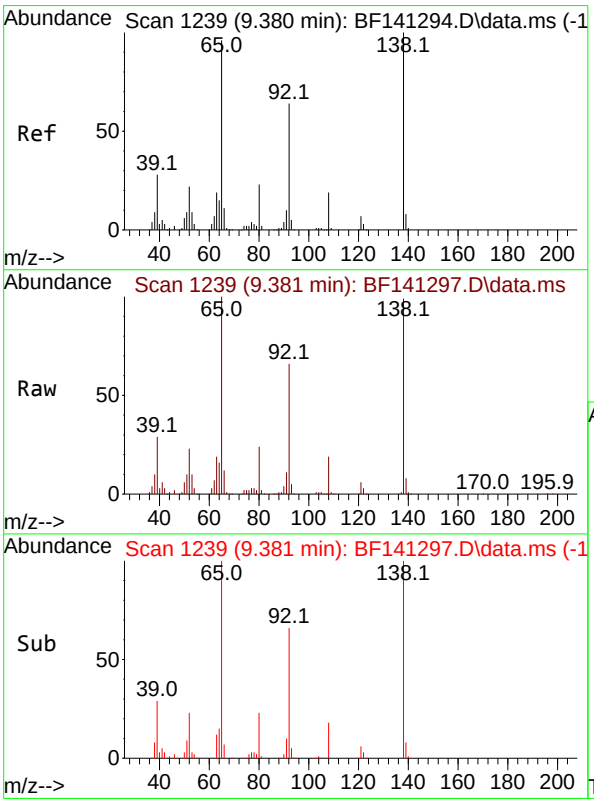

#47
2-Chloronaphthalene
Concen: 69.578 ng
RT: 9.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:162 Resp: 1118593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.5 | 33.7 | 50.5 |
| 164 | 33.1 | 25.9 | 38.9 |

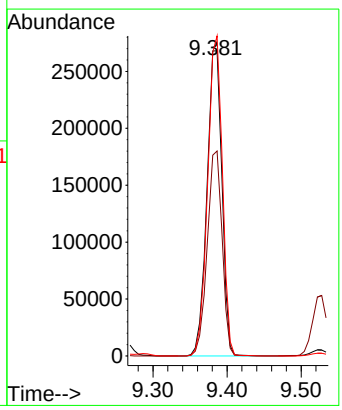


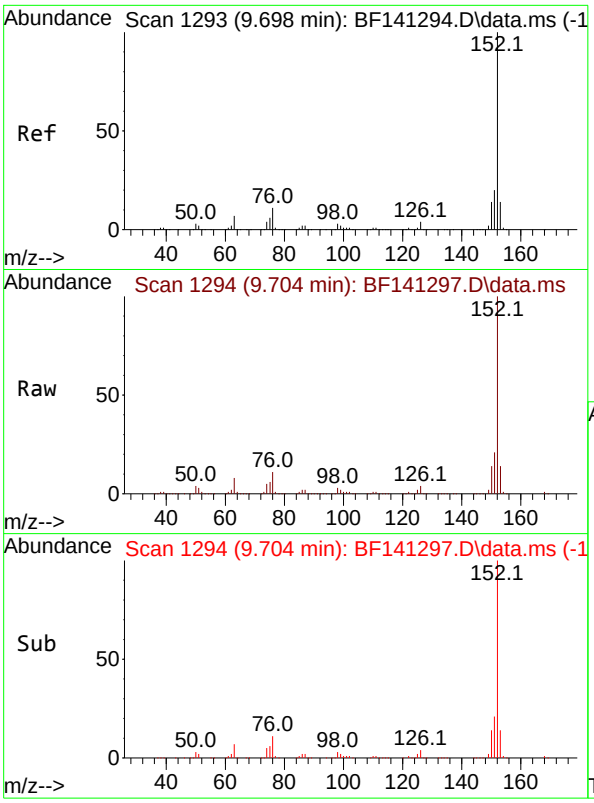




#48
2-Nitroaniline
Concen: 75.652 ng
RT: 9.381 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 65 Resp: 378379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 65.8 | 53.3 | 79.9 |
| 138 | 99.5 | 83.6 | 125.4 |



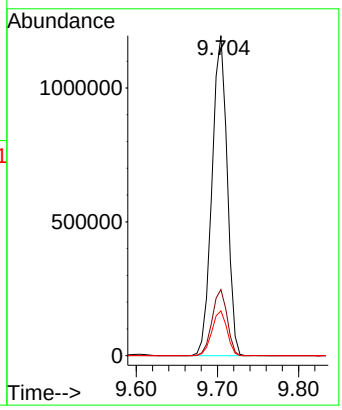


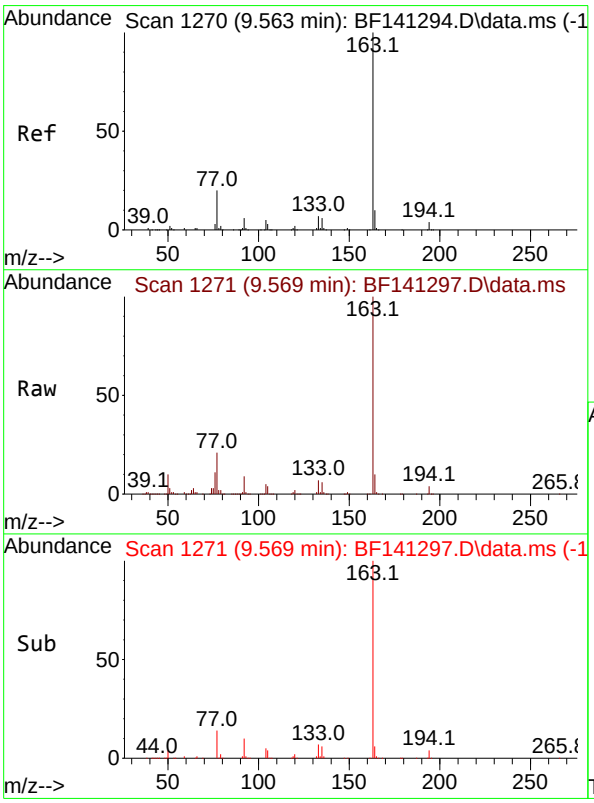

#49
Acenaphthylene
Concen: 68.901 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:152 Resp: 1552508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.7 | 16.2 | 24.2 |
| 153 | 14.0 | 11.0 | 16.6 |

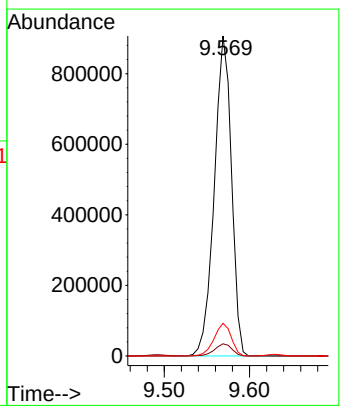


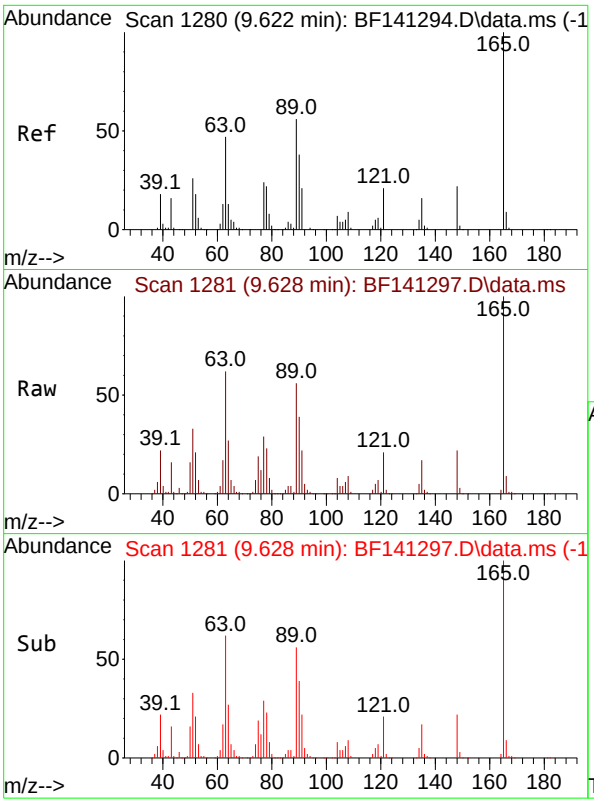




#50
Dimethylphthalate
Concen: 71.308 ng
RT: 9.569 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:163 Resp: 1269770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.6 |
| 164 | 10.2 | 8.0 | 12.0 |



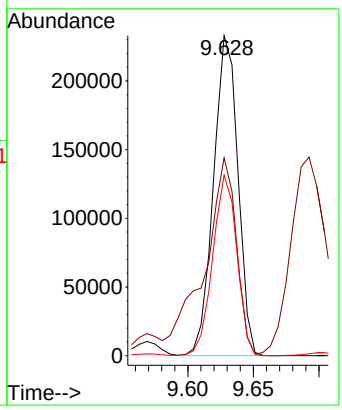


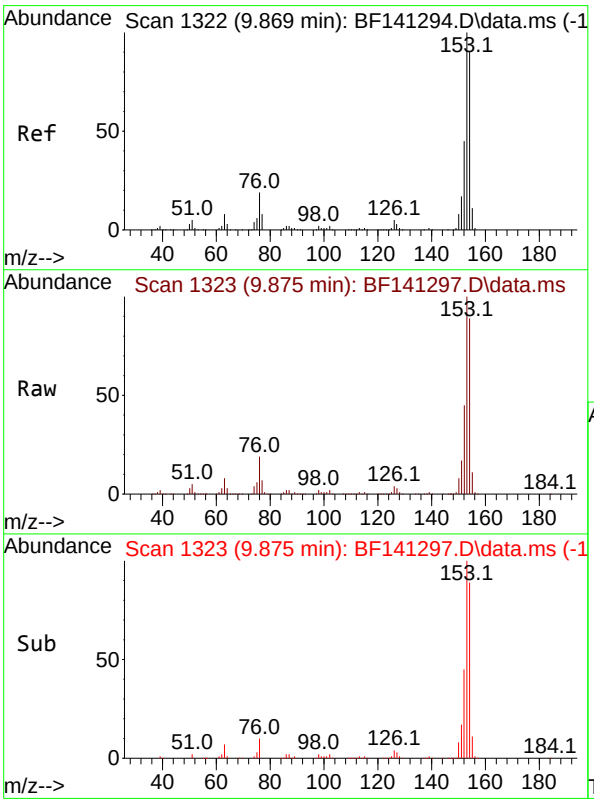

#51
2,6-Dinitrotoluene
Concen: 72.992 ng
RT: 9.628 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:165 Resp: 300867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.8 | 48.1 | 72.1 |
| 89 | 56.4 | 44.9 | 67.3 |

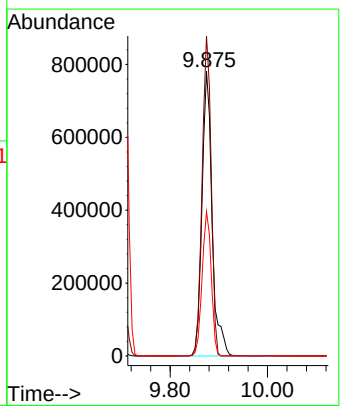


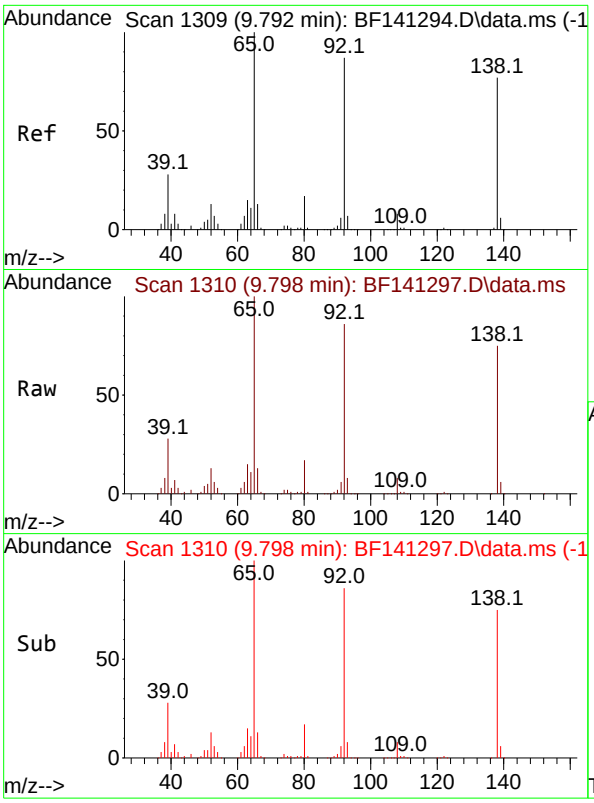




#52
Acenaphthene
Concen: 69.700 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:154 Resp: 1120345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.5 | 89.0 | 133.4 |
| 152 | 50.7 | 40.2 | 60.4 |



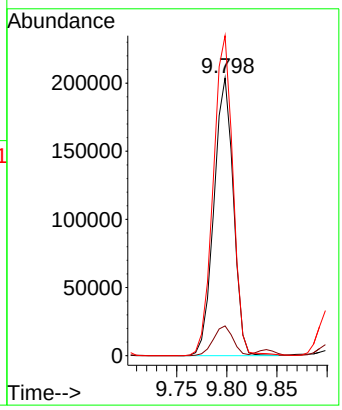


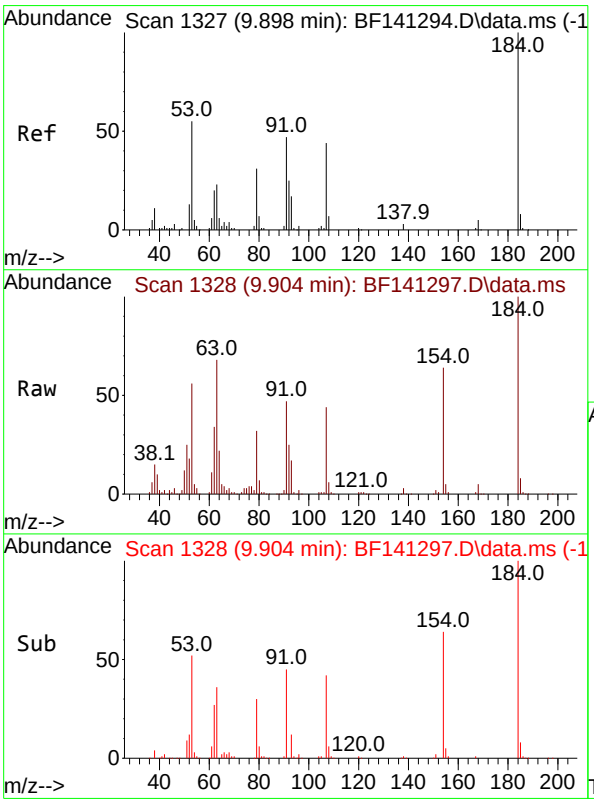

#53
3-Nitroaniline
Concen: 67.215 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:138 Resp: 274410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.7 | 8.6 | 12.8 |
| 92 | 115.2 | 91.0 | 136.6 |

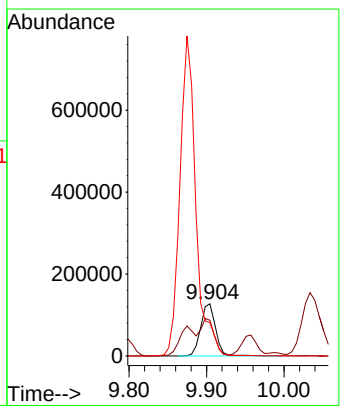


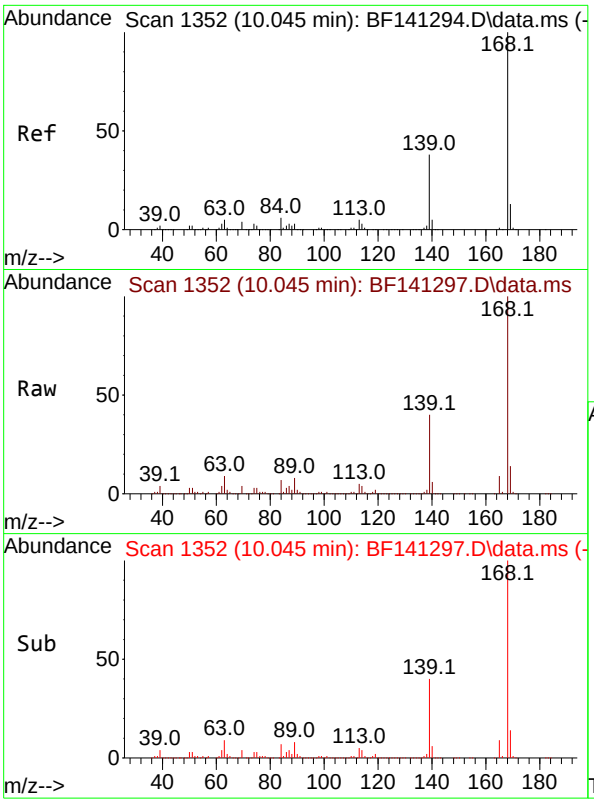




#54
2,4-Dinitrophenol
Concen: 101.582 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:184 Resp: 169946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 68.3 | 54.1 | 81.1 |
| 154 | 64.0 | 50.7 | 76.1 |



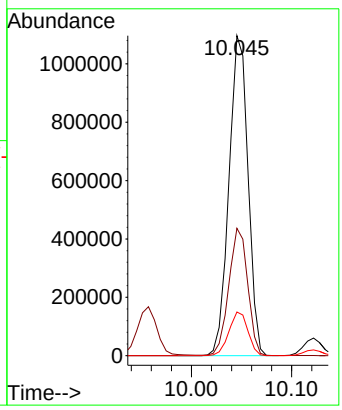


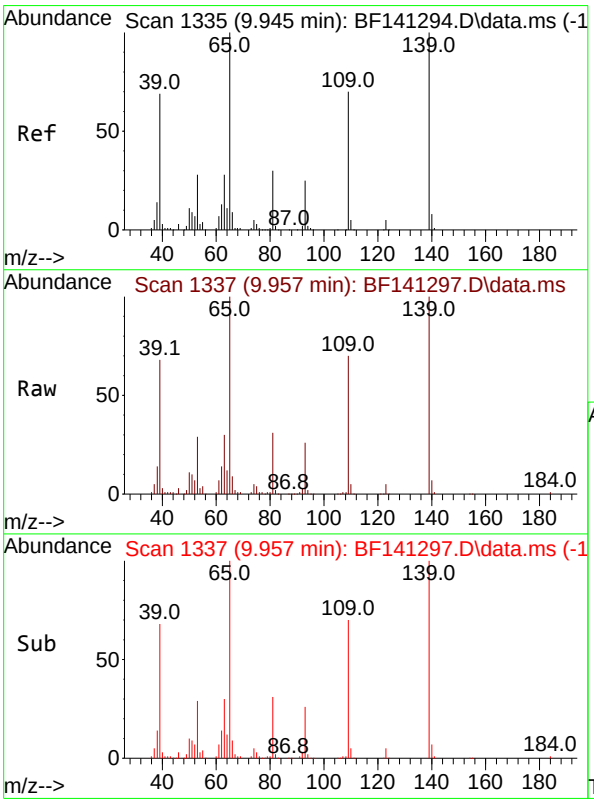

#55
Dibenzofuran
Concen: 67.158 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:168 Resp: 1451668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.8 | 30.6 | 46.0 |
| 169 | 13.7 | 10.8 | 16.2 |

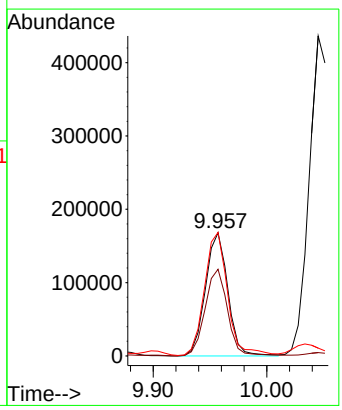


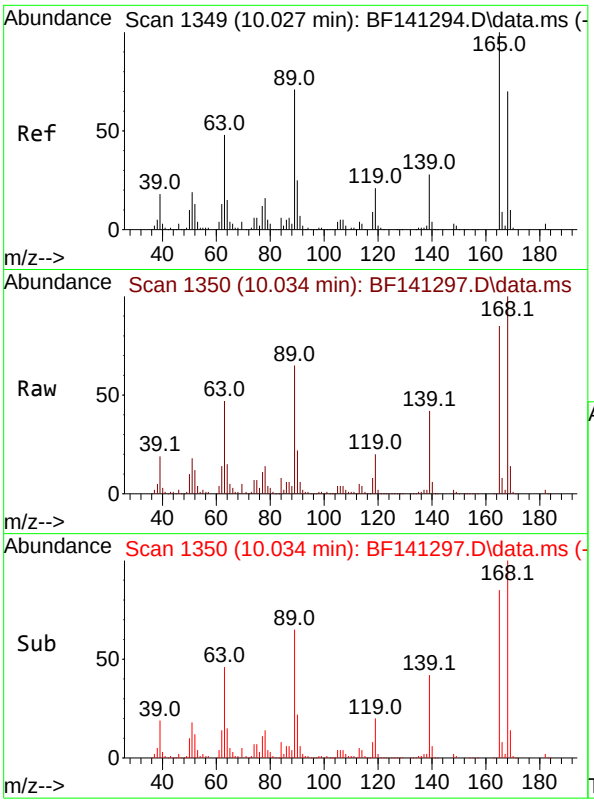




#56
4-Nitrophenol
Concen: 78.788 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:139 Resp: 230369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 70.4 | 50.2 | 90.2 |
| 65 | 100.3 | 80.6 | 120.6 |



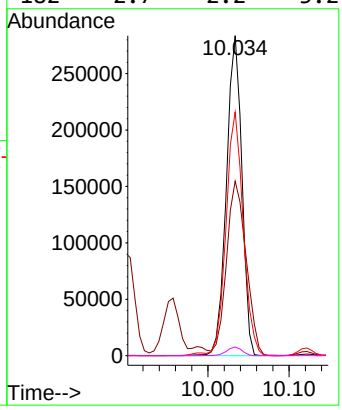


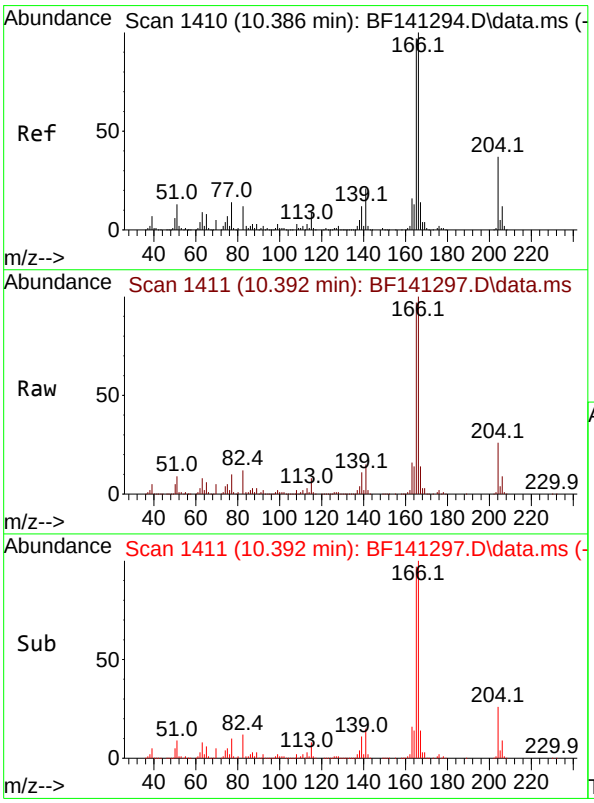

#57
2,4-Dinitrotoluene
Concen: 70.012 ng
RT: 10.034 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:165 Resp: 375659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 54.5 | 39.2 | 58.8 |
| 89 | 76.1 | 56.9 | 85.3 |
| 182 | 2.7 | 2.2 | 3.2 |

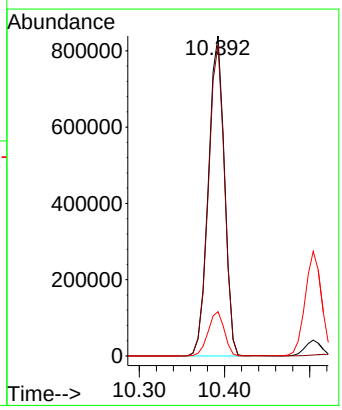


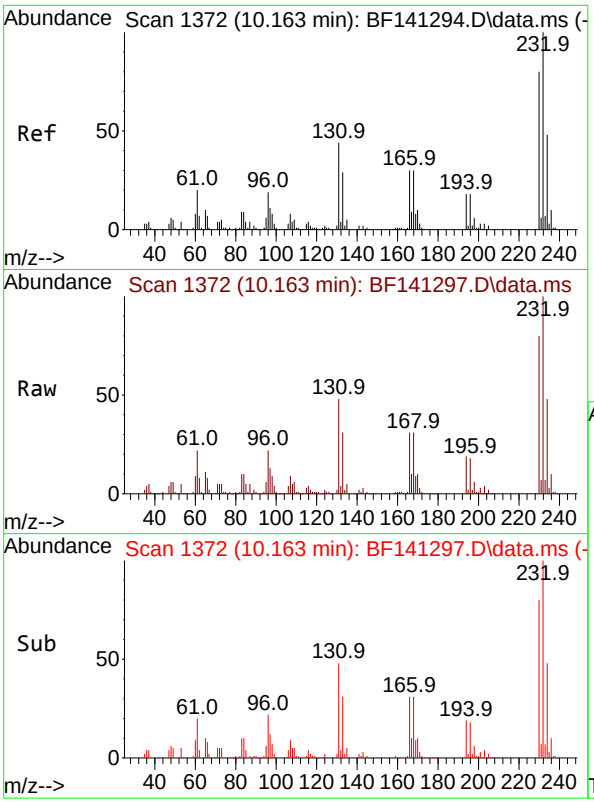




#58
Fluorene
Concen: 65.335 ng
RT: 10.392 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:166 Resp: 1099129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.2 | 77.5 | 116.3 |
| 167 | 13.9 | 10.9 | 16.3 |



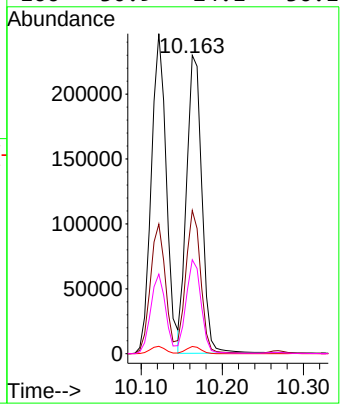


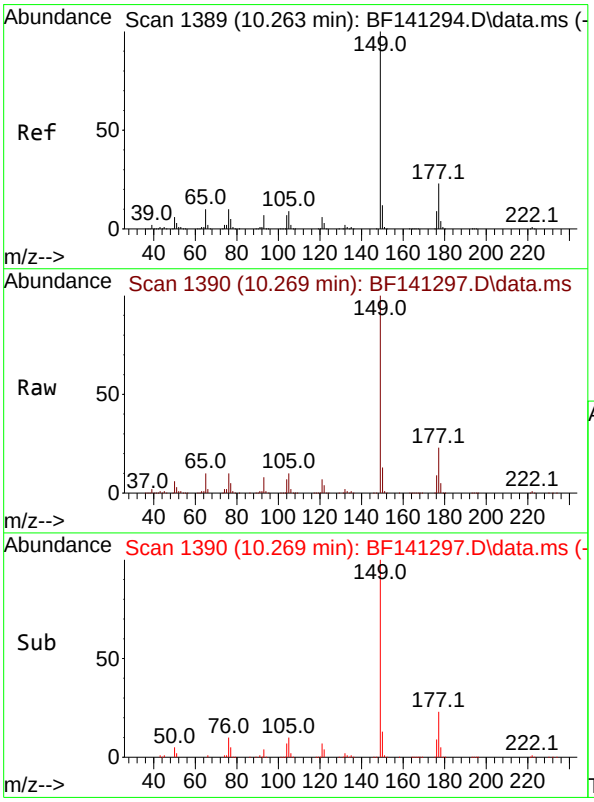

#59
2,3,4,6-Tetrachlorophenol
Concen: 72.005 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:232 Resp: 302300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 47.5 | 36.4 | 54.6 |
| 130 | 2.4 | 1.9 | 2.9 |
| 166 | 30.9 | 24.1 | 36.1 |

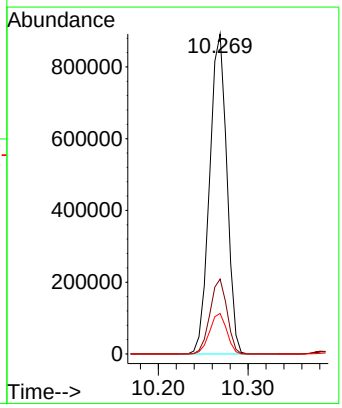


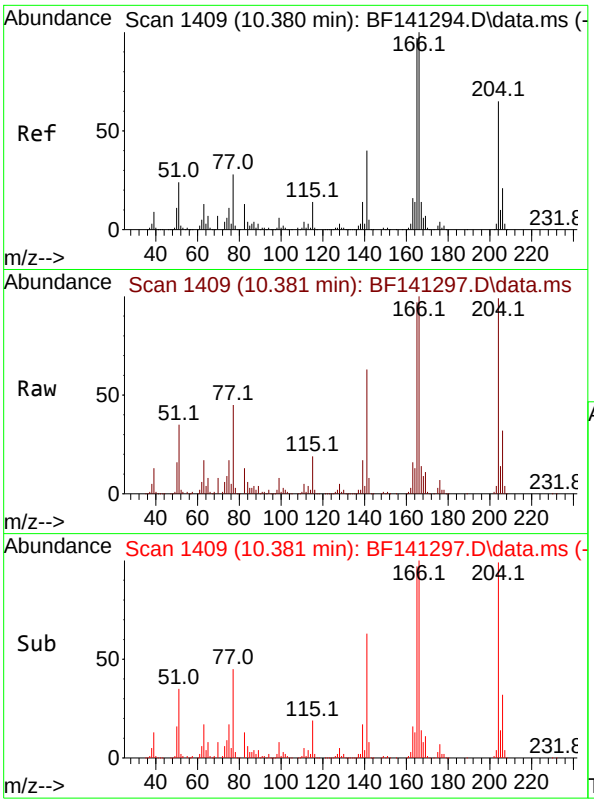




#60
Diethylphthalate
Concen: 68.571 ng
RT: 10.269 min Scan# 1390
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 1189833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.4 | 18.5 | 27.7 |
| 150 | 12.7 | 10.0 | 15.0 |



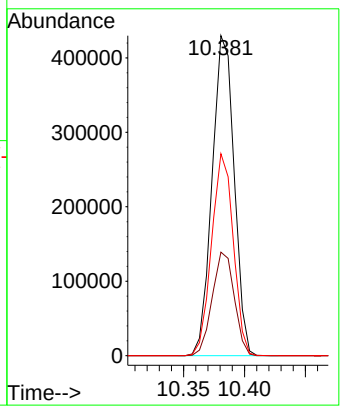


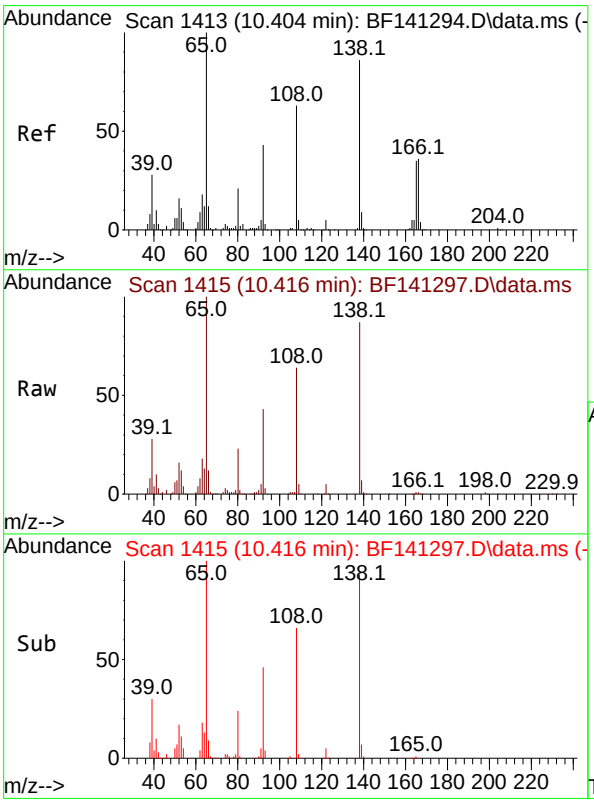

#61
4-Chlorophenyl-phenylether
Concen: 65.968 ng
RT: 10.381 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:204 Resp: 541468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.4 | 25.9 | 38.9 |
| 141 | 63.1 | 49.5 | 74.3 |

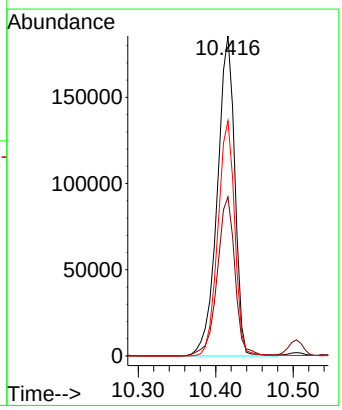


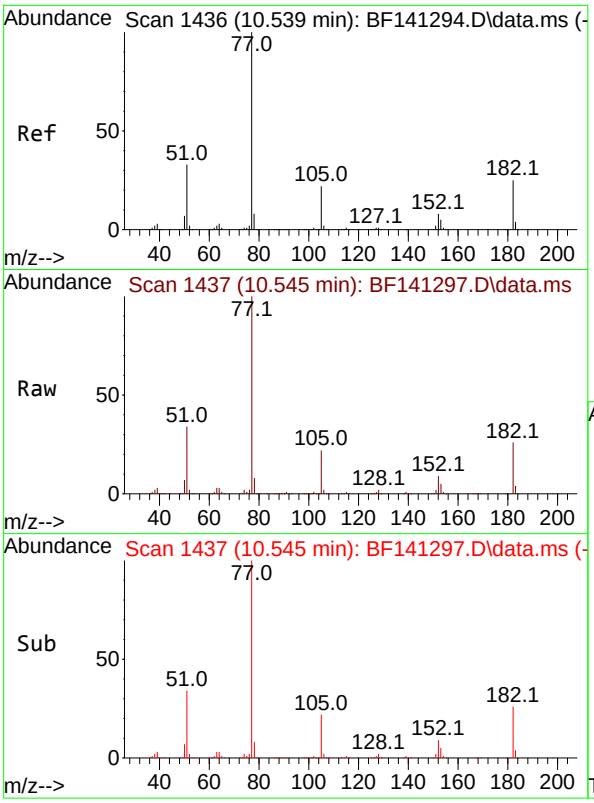




#62
4-Nitroaniline
Concen: 73.604 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:138 Resp: 292019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.7 | 30.1 | 70.1 |
| 108 | 73.5 | 53.1 | 93.1 |



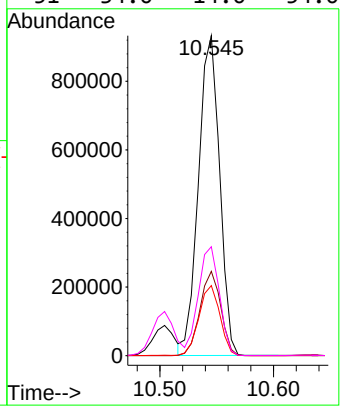


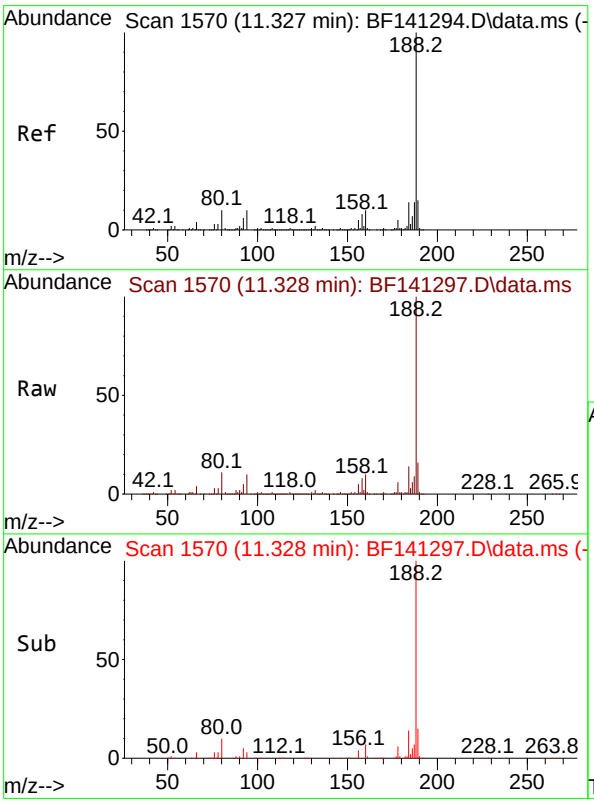

#63
Azobenzene
Concen: 69.582 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 77 Resp: 1206328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.3 | 5.1 | 45.1 |
| 105 | 21.9 | 1.8 | 41.8 |
| 51 | 34.0 | 14.0 | 54.0 |

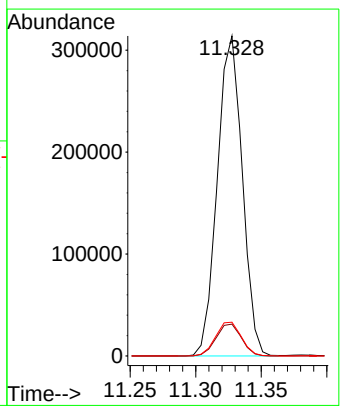


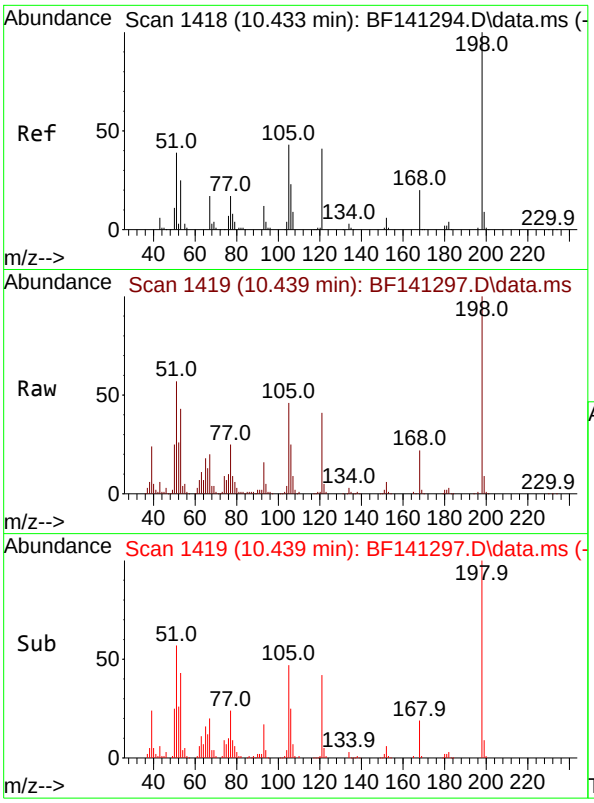




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:188 Resp: 415634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.0 | 7.8 | 11.6 |
| 80 | 10.6 | 8.2 | 12.4 |



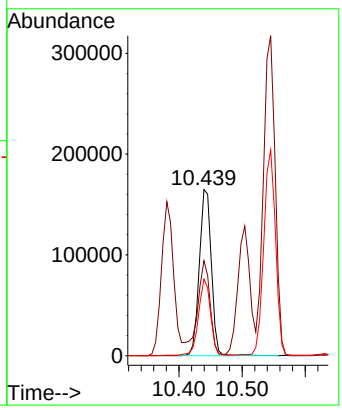


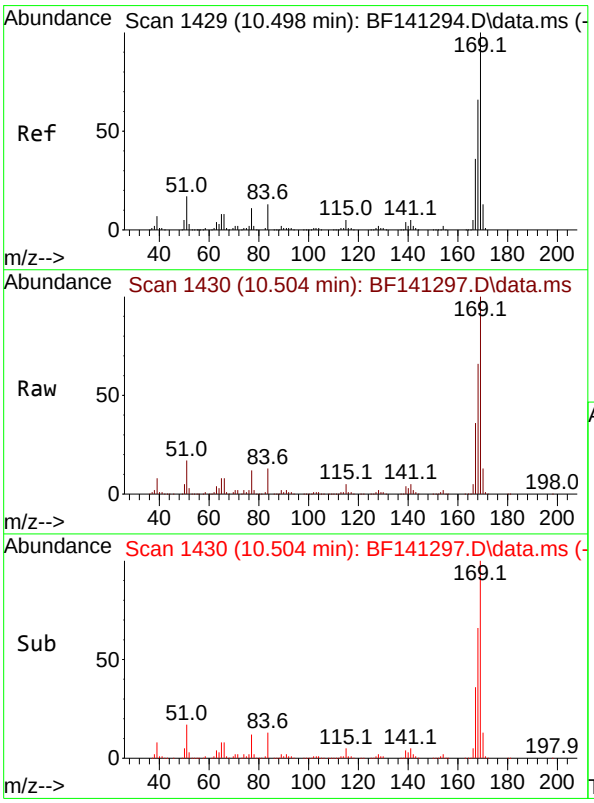

#65
4,6-Dinitro-2-methylphenol
Concen: 89.943 ng
RT: 10.439 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:198 Resp: 217265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 57.1 | 33.4 | 73.4 |
| 105 | 46.0 | 24.4 | 64.4 |

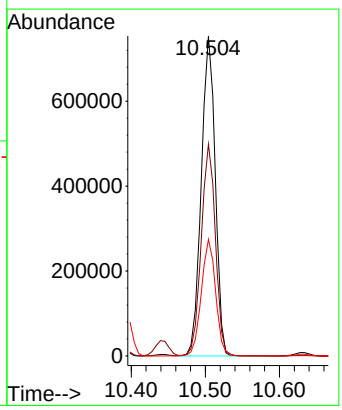


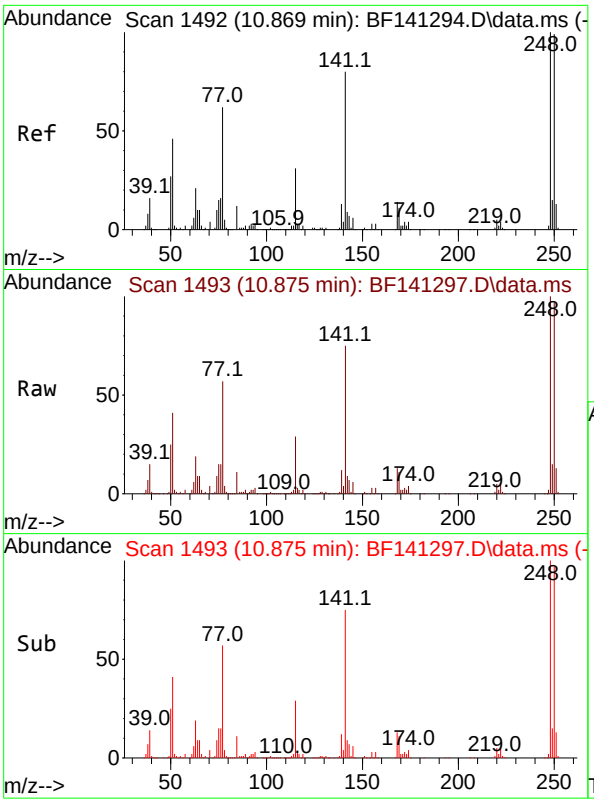




#66
n-Nitrosodiphenylamine
Concen: 72.353 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:169 Resp: 986121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.2 | 53.0 | 79.4 |
| 167 | 36.4 | 28.8 | 43.2 |



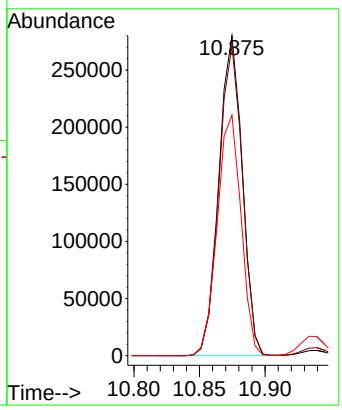


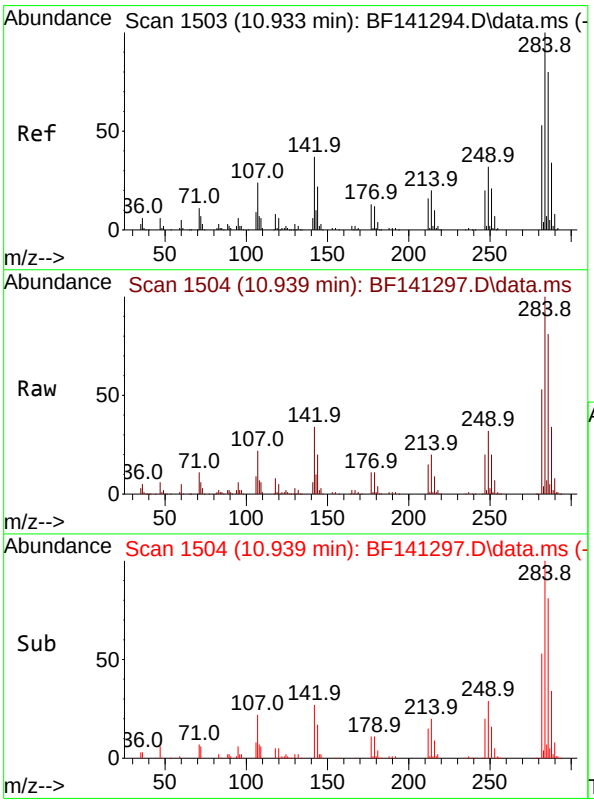

#67
4-Bromophenyl-phenylether
Concen: 74.136 ng
RT: 10.875 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:248 Resp: 348615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.0 | 79.0 | 118.4 |
| 141 | 75.1 | 63.7 | 95.5 |

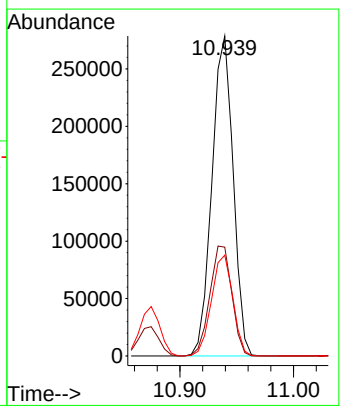


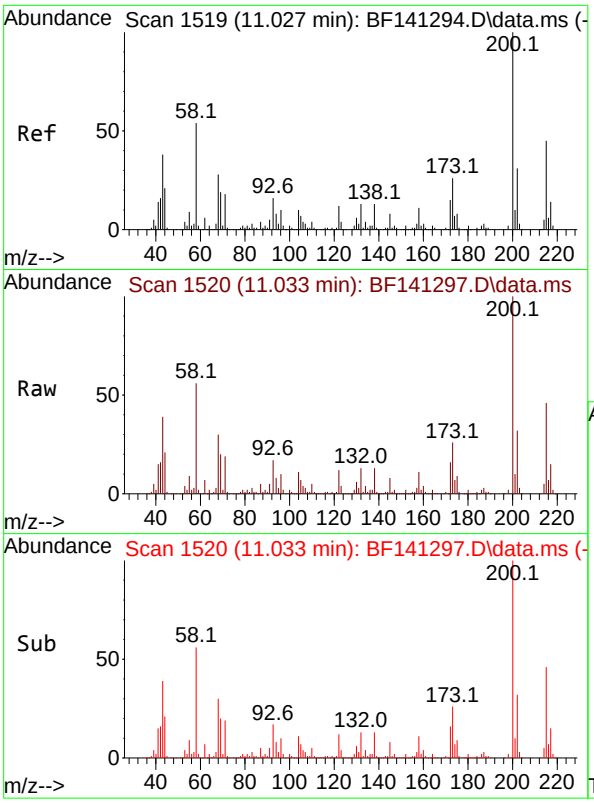




#68
Hexachlorobenzene
Concen: 72.215 ng
RT: 10.939 min Scan# 1504
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:284 Resp: 361469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.0 | 29.5 | 44.3 |
| 249 | 31.5 | 25.4 | 38.2 |



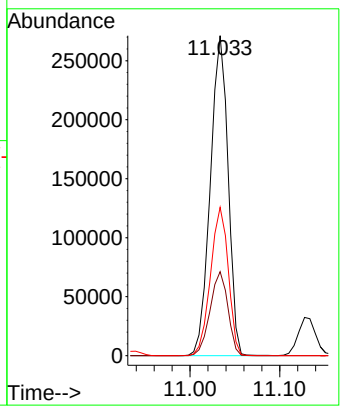


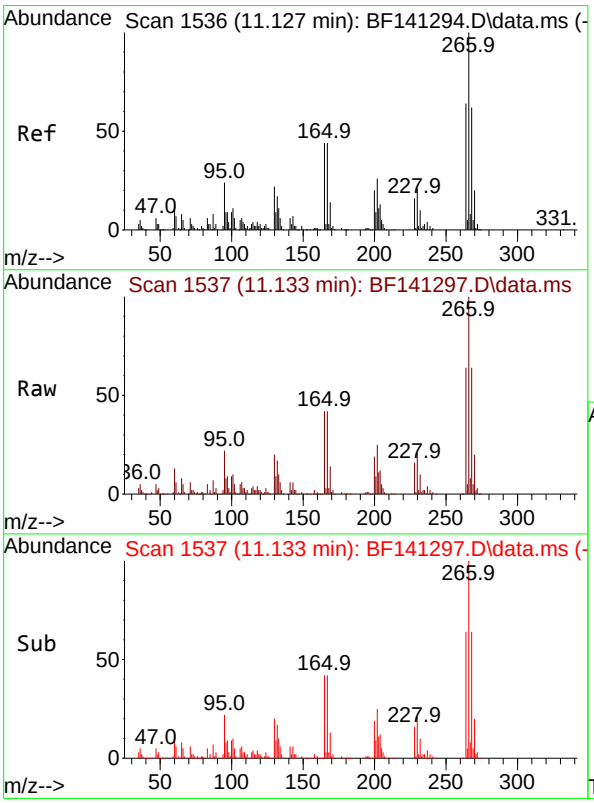

#69
Atrazine
Concen: 83.452 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:200 Resp: 372792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.2 | 5.9 | 45.9 |
| 215 | 46.4 | 25.2 | 65.2 |

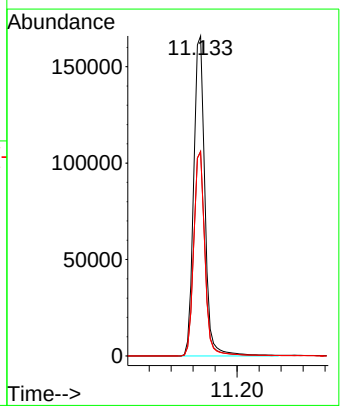


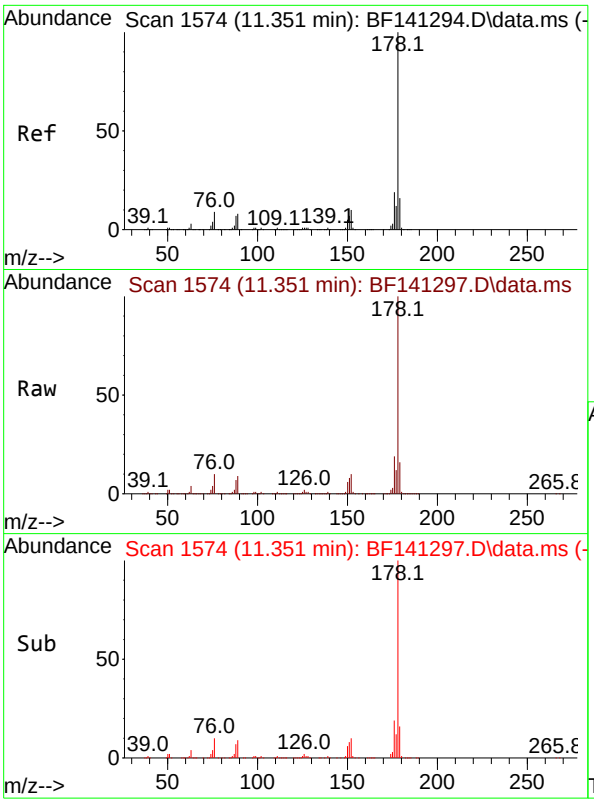




#70
Pentachlorophenol
Concen: 81.539 ng
RT: 11.133 min Scan# 1537
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:266 Resp: 235030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.0 | 49.9 | 74.9 |
| 264 | 63.7 | 51.0 | 76.4 |



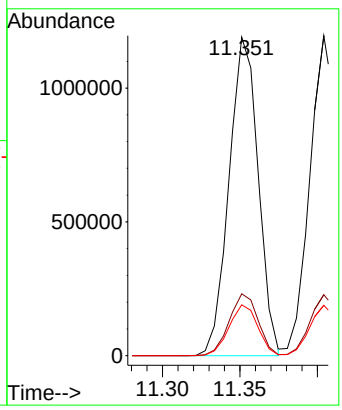


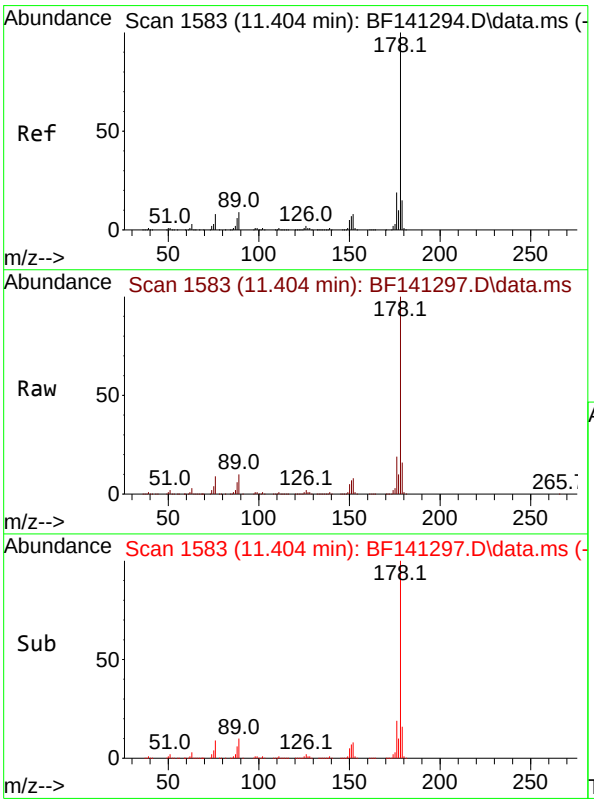

#71
Phenanthrene
Concen: 68.257 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:178 Resp: 1557660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.3 | 22.9 |
| 179 | 16.0 | 12.5 | 18.7 |

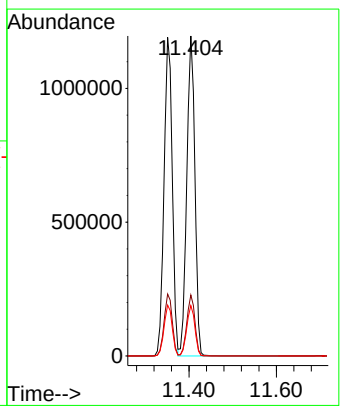


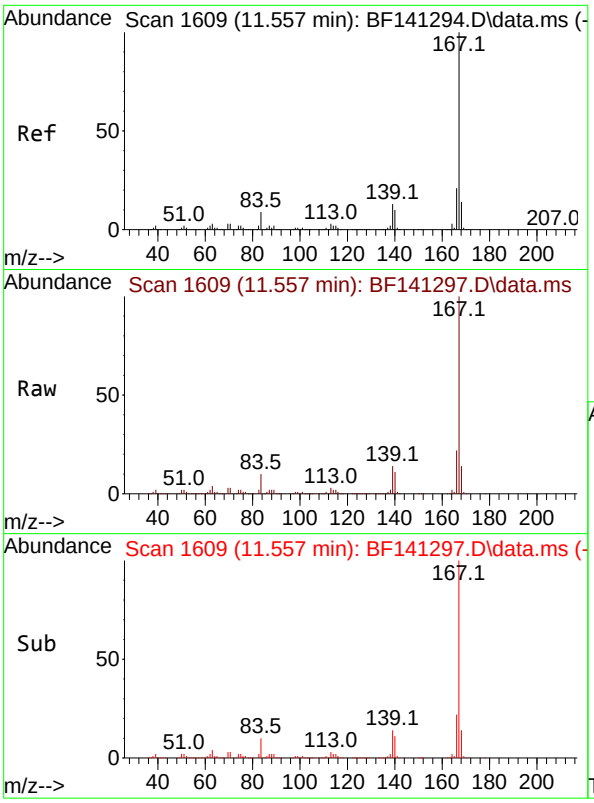




#72
Anthracene
Concen: 68.749 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:178 Resp: 1535860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.0 | 22.6 |
| 179 | 15.8 | 12.3 | 18.5 |



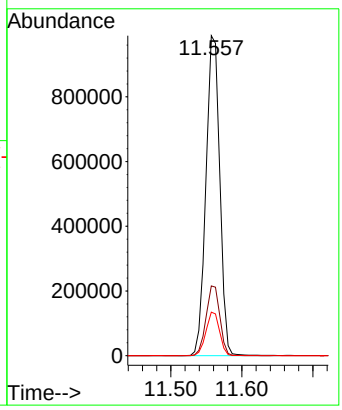


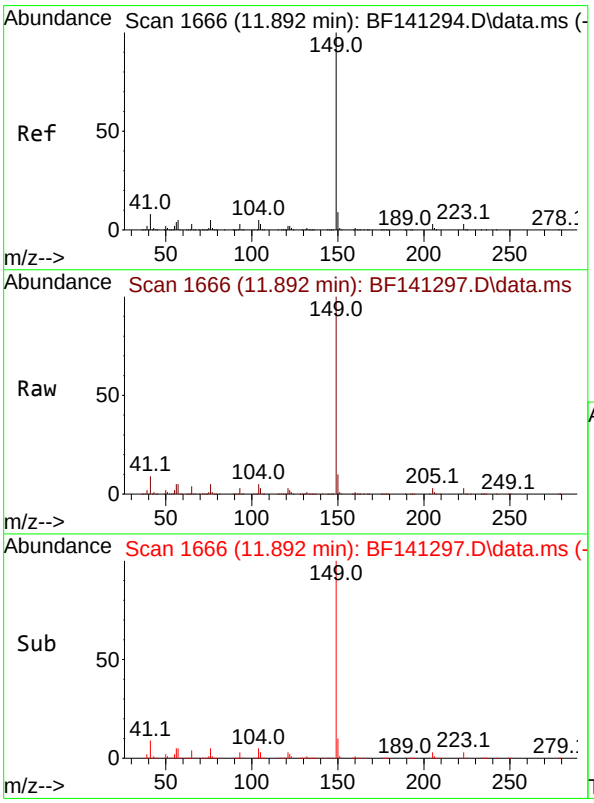

#73
Carbazole
Concen: 67.630 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:167 Resp: 1342447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.0 | 25.6 |
| 139 | 13.6 | 10.6 | 16.0 |

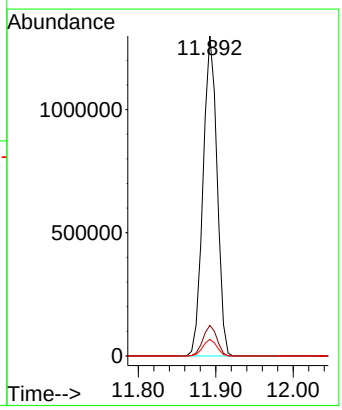


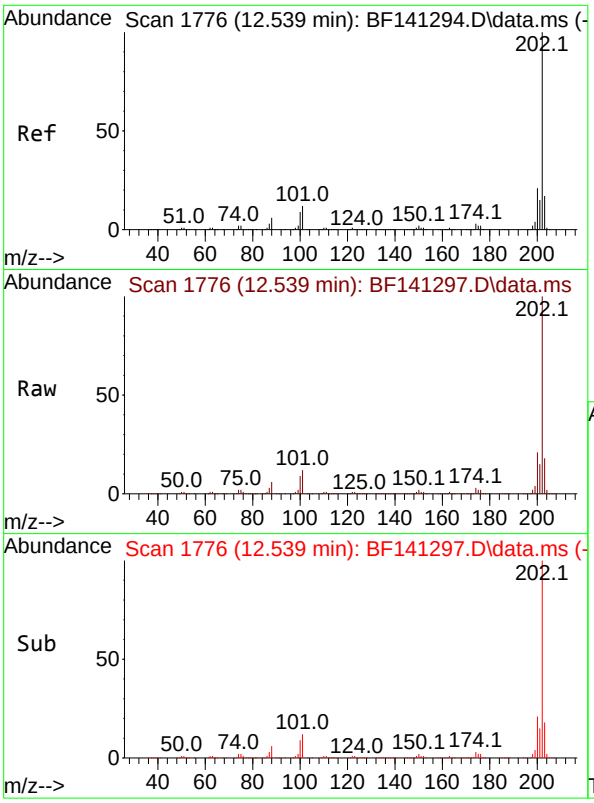




#74
Di-n-butylphthalate
Concen: 67.604 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 1626342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.6 | 7.4 | 11.2 |
| 104 | 5.2 | 3.9 | 5.9 |



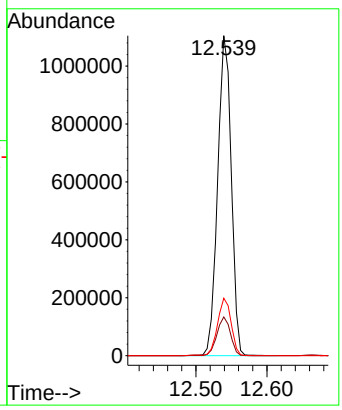


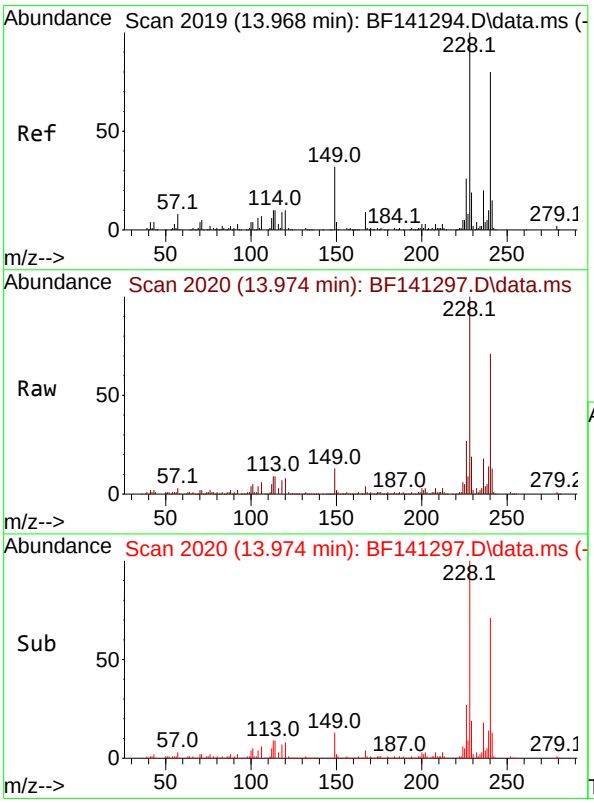

#75
Fluoranthene
Concen: 64.490 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:202 Resp: 1463196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.1 | 0.0 | 31.7 |
| 203 | 18.0 | 0.0 | 37.5 |

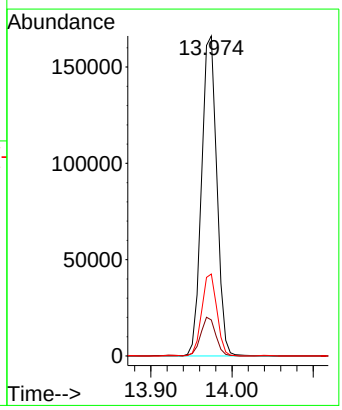


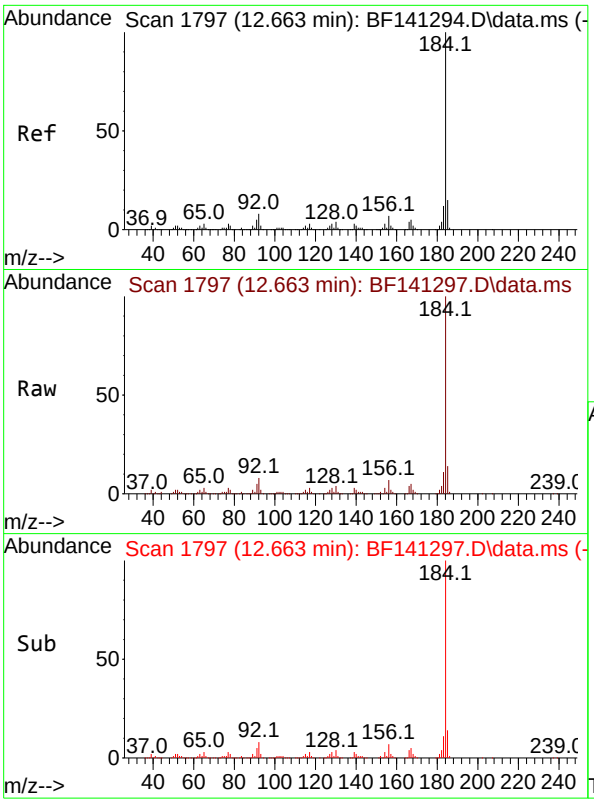




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:240 Resp: 216592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.2 | 10.0 | 15.0 |
| 236 | 25.6 | 19.7 | 29.5 |



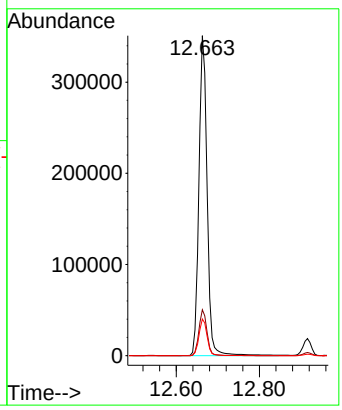


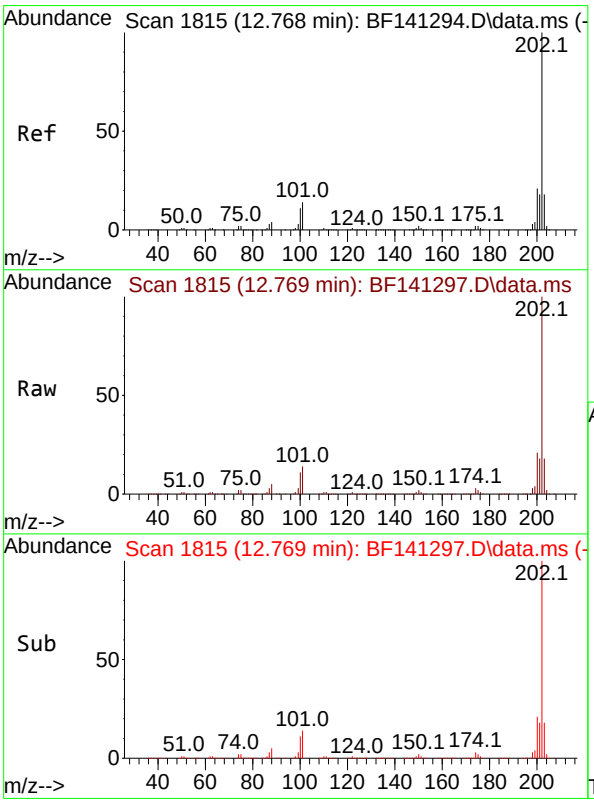

#77
Benzidine
Concen: 67.834 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:184 Resp: 481470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.3 | 11.9 | 17.9 |
| 183 | 11.5 | 9.5 | 14.3 |

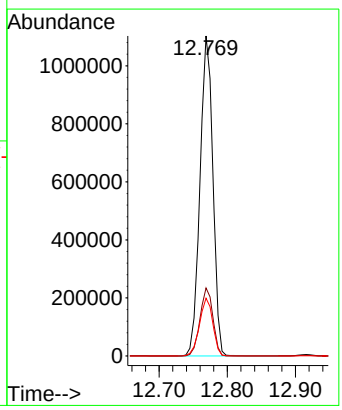


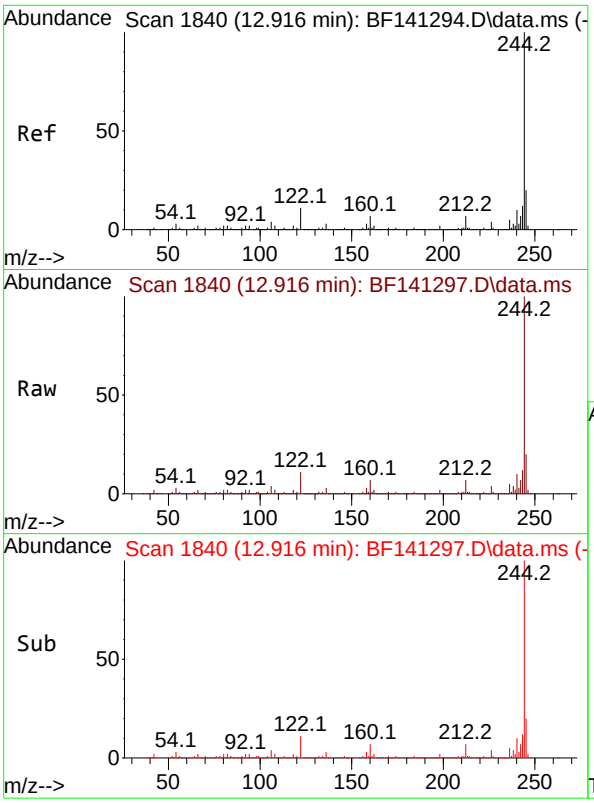




#78
Pyrene
Concen: 68.287 ng
RT: 12.769 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:202 Resp: 1450076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 17.0 | 25.4 |
| 203 | 18.0 | 14.3 | 21.5 |



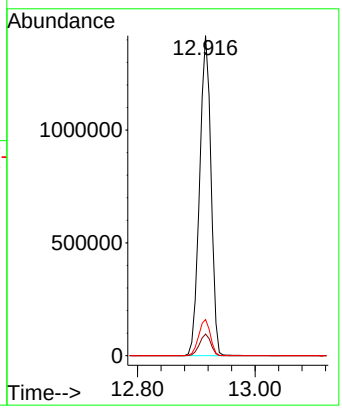


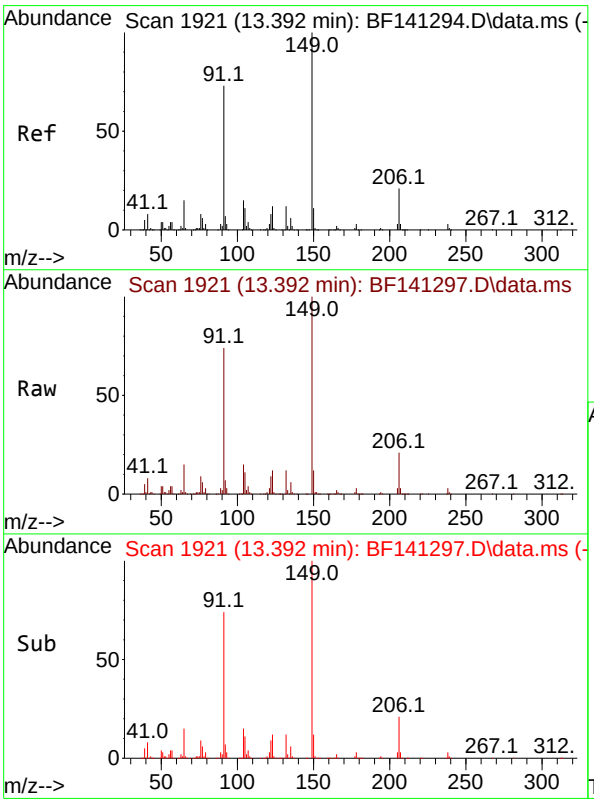

#79
Terphenyl-d14
Concen: 132.741 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:244 Resp: 1910783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.4 | 8.0 |
| 122 | 11.3 | 8.8 | 13.2 |

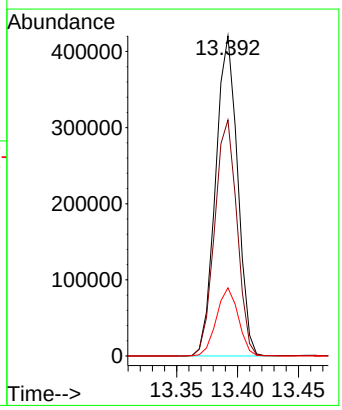


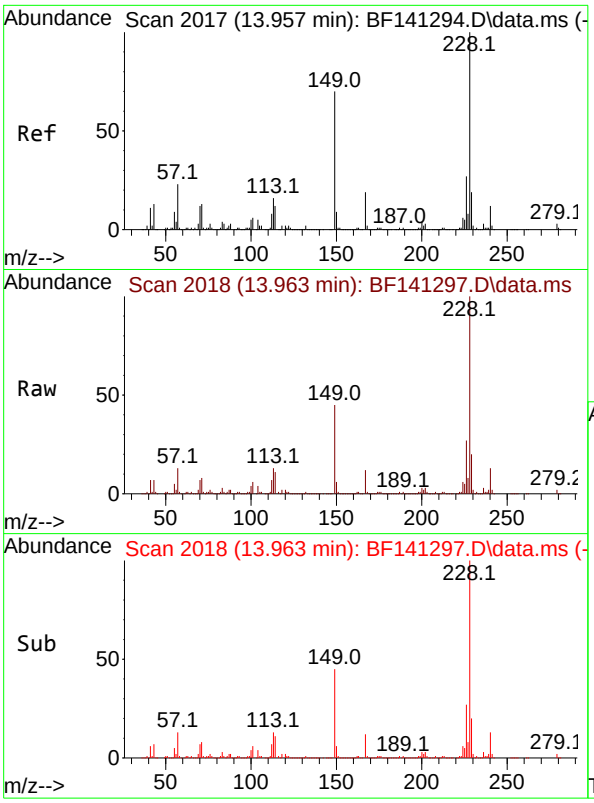




#80
Butylbenzylphthalate
Concen: 71.721 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 528754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 73.8 | 58.6 | 87.8 |
| 206 | 21.3 | 16.7 | 25.1 |



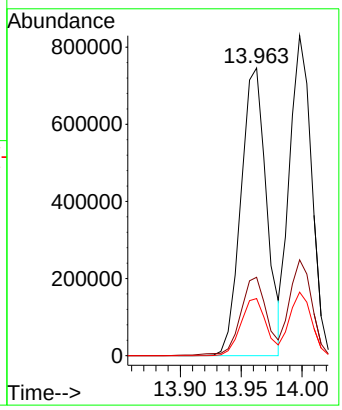


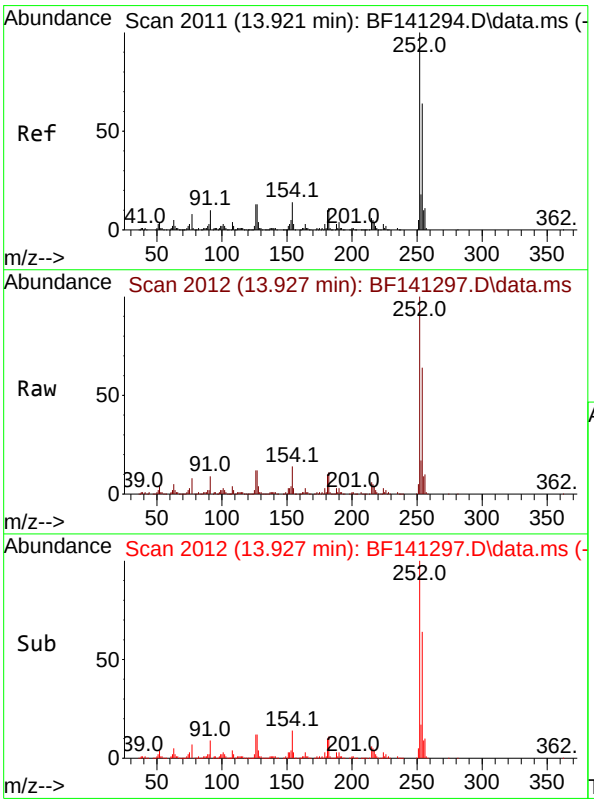

#81
Benzo(a)anthracene
Concen: 72.323 ng
RT: 13.963 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:228 Resp: 1095972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.2 | 21.4 | 32.2 |
| 229 | 19.8 | 15.5 | 23.3 |

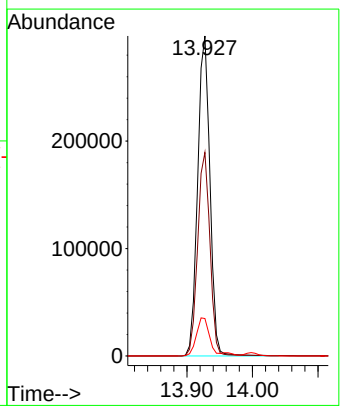


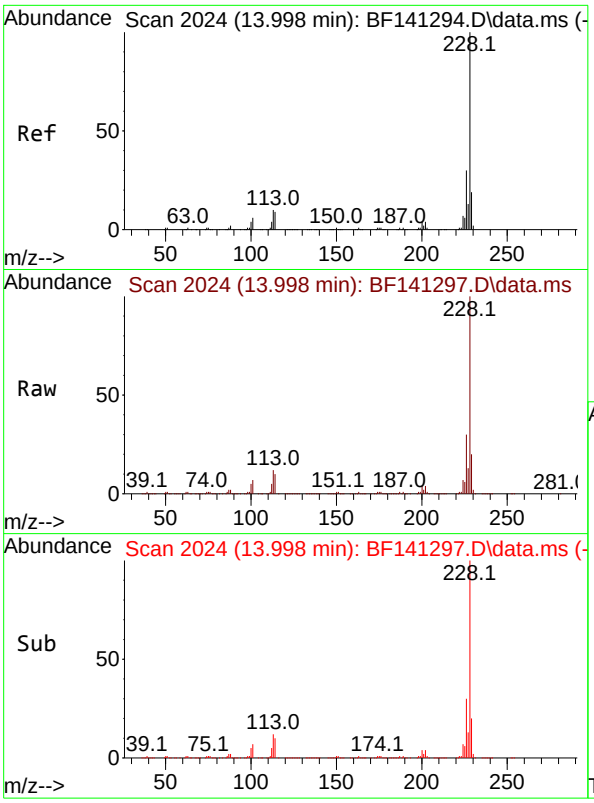




#82
3,3'-Dichlorobenzidine
Concen: 82.157 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:252 Resp: 389044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.6 | 51.3 | 76.9 |
| 126 | 11.7 | 10.0 | 15.0 |



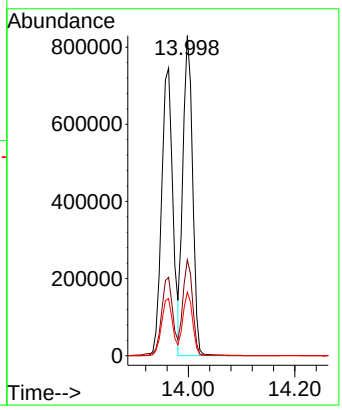


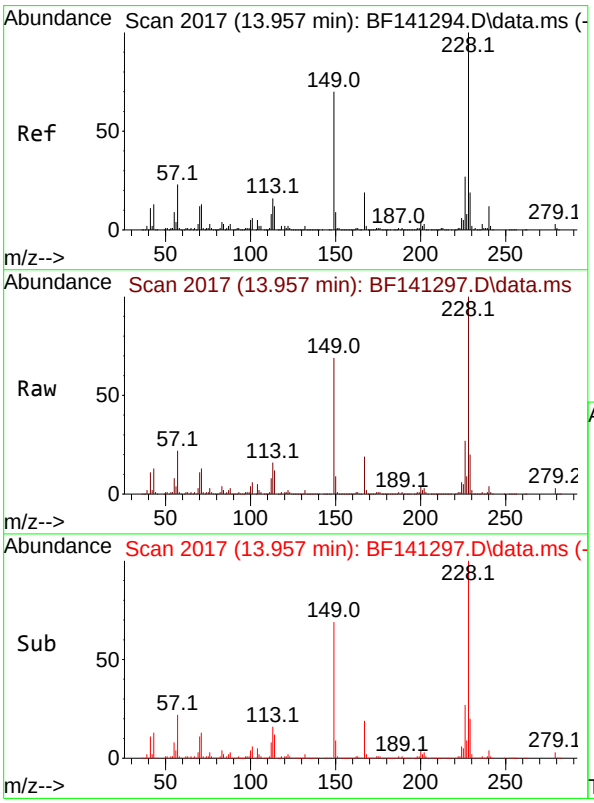

#83
Chrysene
Concen: 75.964 ng
RT: 13.998 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:228 Resp: 1048083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.0 | 24.1 | 36.1 |
| 229 | 19.9 | 15.6 | 23.4 |

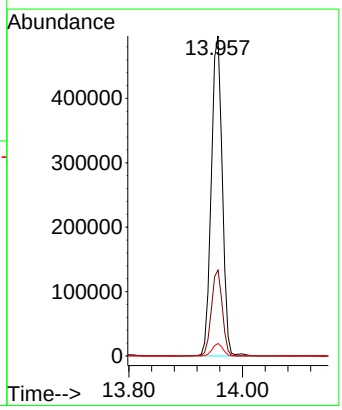


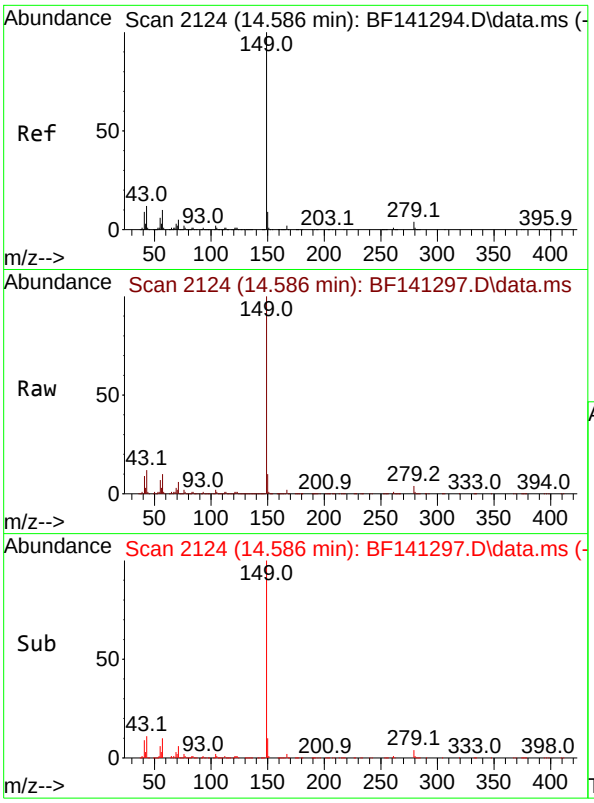




#84
Bis(2-ethylhexyl)phthalate
Concen: 70.666 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 662151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.8 | 21.8 | 32.8 |
| 279 | 3.9 | 3.3 | 4.9 |



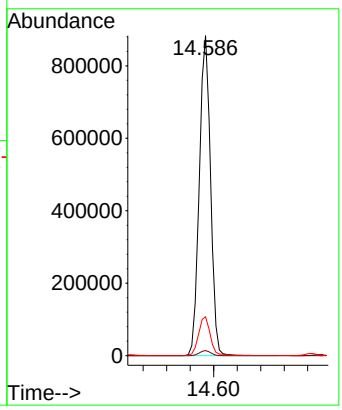


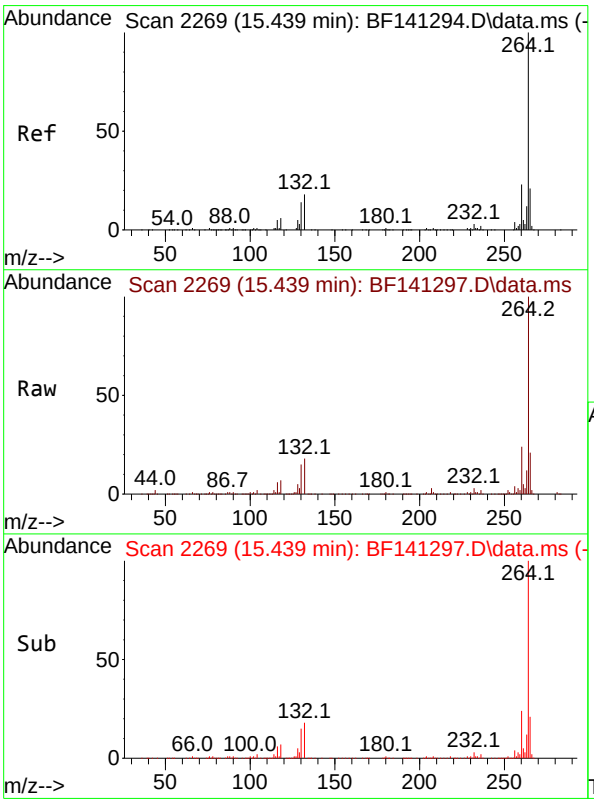

#85
Di-n-octyl phthalate
Concen: 82.148 ng
RT: 14.586 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 1171131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 12.7 | 9.8 | 14.8 |

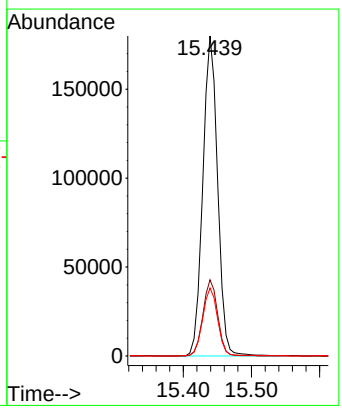


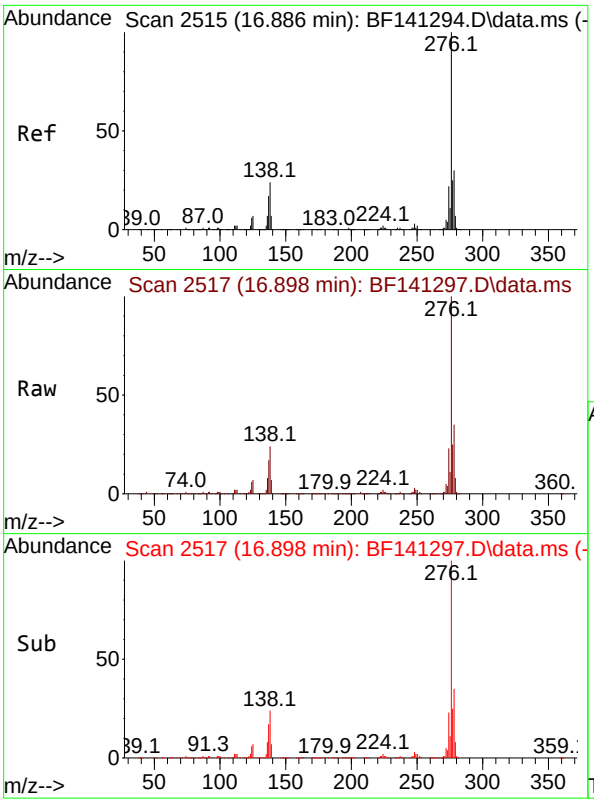




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:264 Resp: 271797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 18.6 | 27.8 |
| 265 | 21.3 | 16.7 | 25.1 |



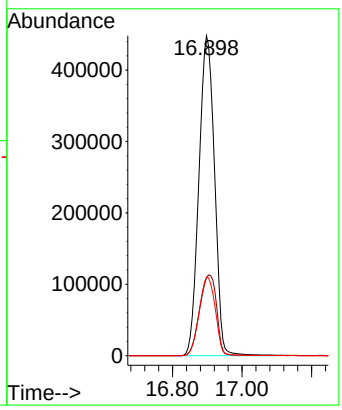


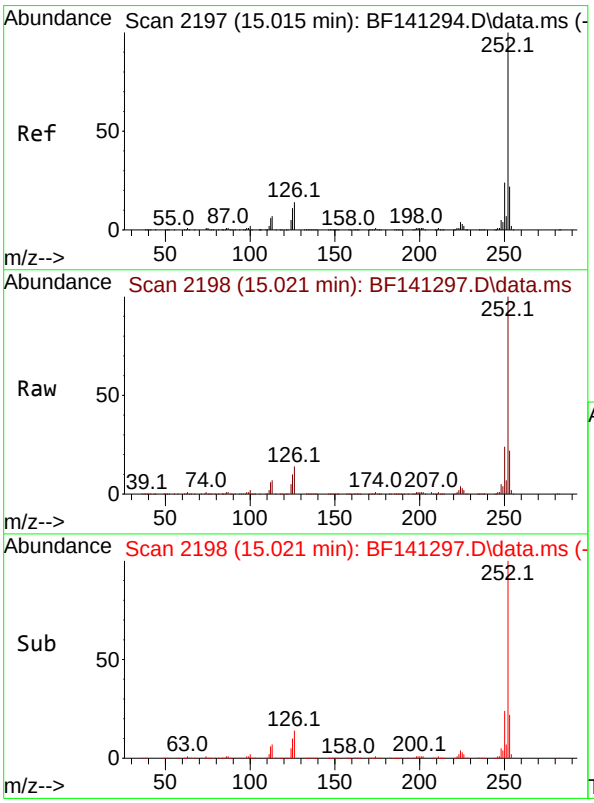

#87
Indeno(1,2,3-cd)pyrene
Concen: 79.715 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:276 Resp: 1399119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.3 | 21.7 | 32.5 |
| 277 | 25.3 | 20.3 | 30.5 |

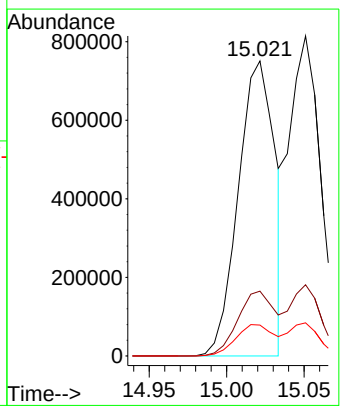


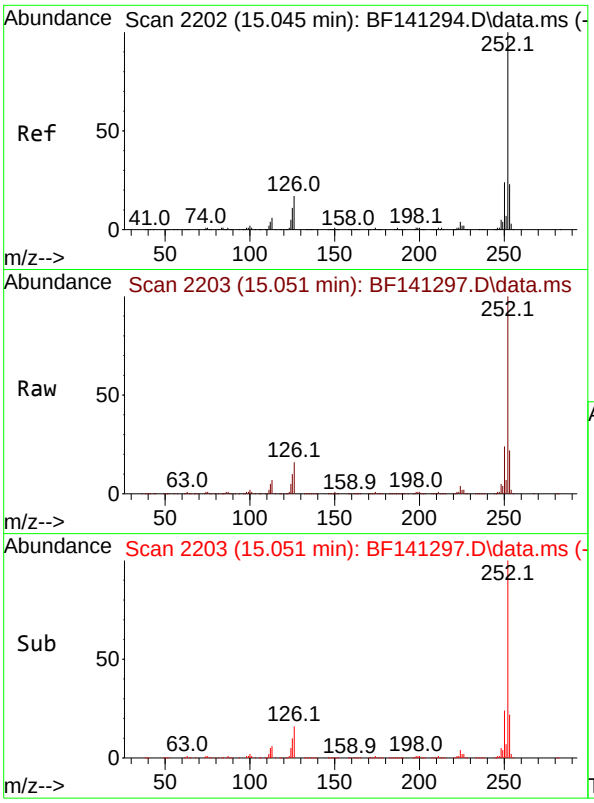




#88
Benzo(b)fluoranthene
Concen: 71.102 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:252 Resp: 1235245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.4 | 26.2 |
| 125 | 10.5 | 8.6 | 12.8 |



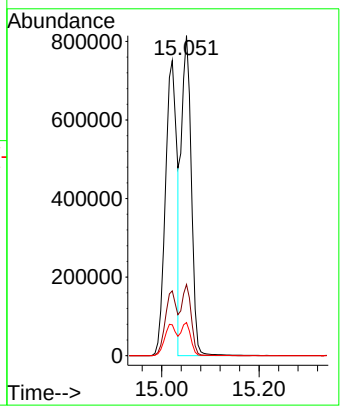


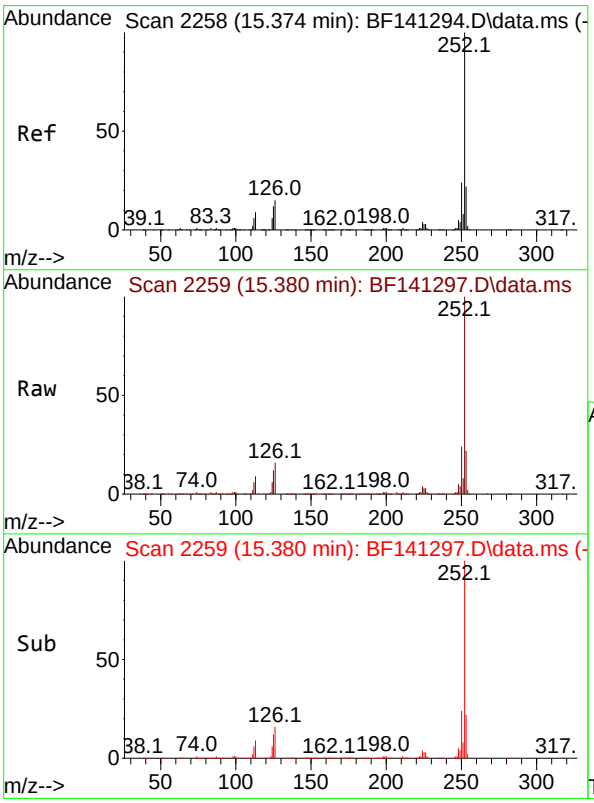

#89
Benzo(k)fluoranthene
Concen: 75.010 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 1146296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.6 | 26.4 |
| 125 | 10.4 | 8.4 | 12.6 |

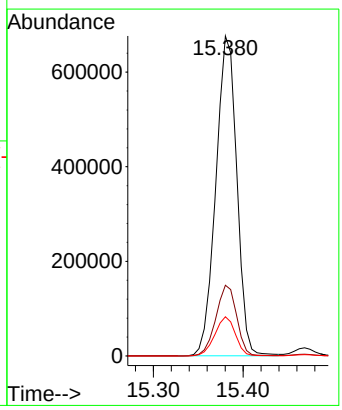


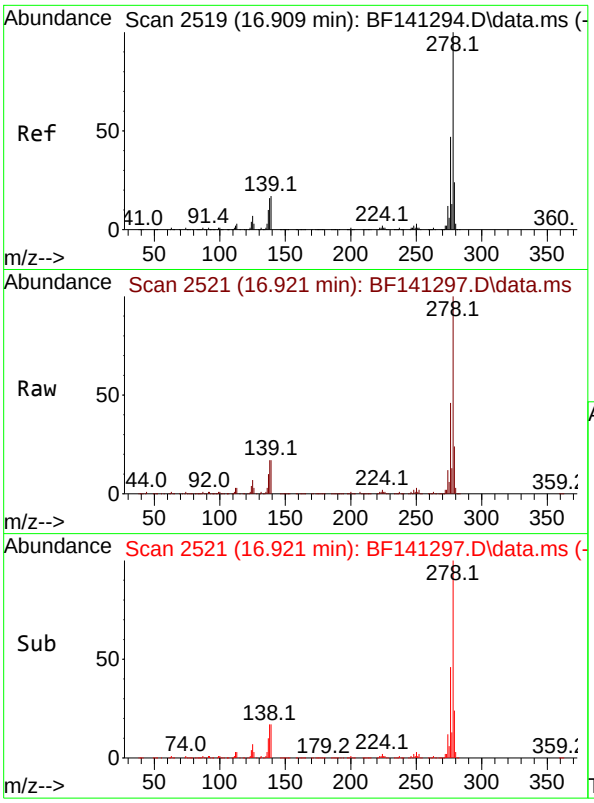




#90
Benzo(a)pyrene
Concen: 75.410 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:252 Resp: 1098491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.2 | 25.8 |
| 125 | 12.3 | 9.4 | 14.2 |



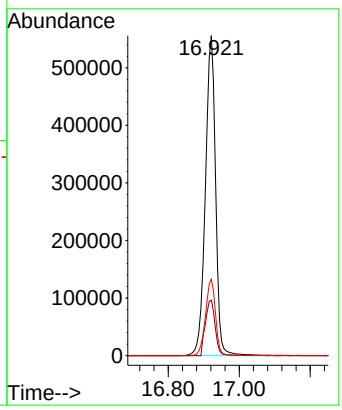


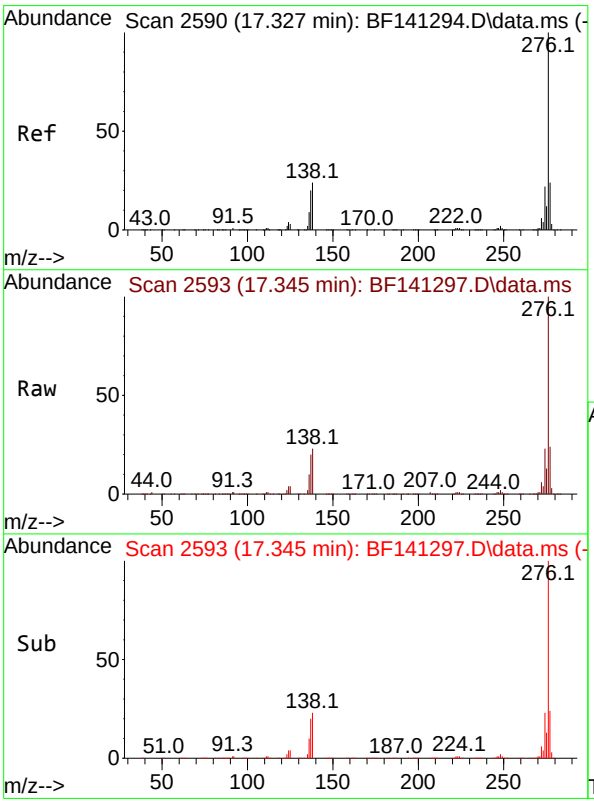

#91
Dibenzo(a,h)anthracene
Concen: 79.035 ng
RT: 16.921 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:278 Resp: 1117397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.3 | 13.9 | 20.9 |
| 279 | 23.9 | 18.8 | 28.2 |

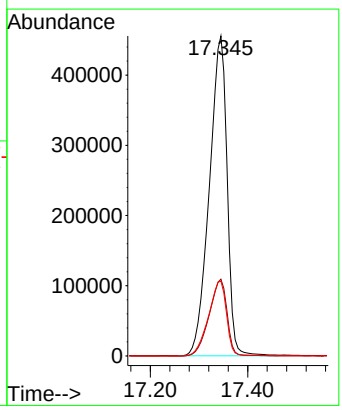



#92
Benzo(g,h,i)perylene
Concen: 78.512 ng
RT: 17.345 min Scan# 2593
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:276 Resp: 1155250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.0 | 19.2 | 28.8 |
| 138 | 23.4 | 19.0 | 28.4 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.798 | 152 | 133318 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.081 | 136 | 525644 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.839 | 164 | 279764 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.322 | 188 | 450291 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.969 | 240 | 257177 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.421 | 264 | 279455 | 20.000 | ng | -0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.404 | 112 | 650985 | 74.963 | ng | 0.00 |
| 7) Phenol-d6 | 6.428 | 99 | 824574 | 74.641 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.363 | 82 | 754118 | 75.630 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.628 | 330 | 192773 | 75.161 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.157 | 172 | 1325725 | 72.938 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.910 | 244 | 1208358 | 72.460 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.487 | 88 | 142440 | 37.296 | ng | 100 |
| 3) Pyridine | 3.216 | 79 | 353478 | 38.413 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.169 | 42 | 199637 | 37.977 | ng | 100 |
| 6) Aniline | 6.463 | 93 | 368792 | 39.437 | ng | 99 |
| 8) 2-Chlorophenol | 6.581 | 128 | 349085 | 37.505 | ng | 99 |
| 9) Benzaldehyde | 6.346 | 77 | 236537 | 36.965 | ng | 100 |
| 10) Phenol | 6.440 | 94 | 443695 | 37.888 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 6.534 | 93 | 335702 | 37.387 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.740 | 146 | 382682 | 37.288 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.816 | 146 | 390597 | 37.885 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 6.969 | 146 | 359529 | 37.241 | ng | 100 |
| 15) Benzyl Alcohol | 6.940 | 79 | 286519 | 37.952 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075 | 45 | 587637 | 37.636 | ng | 100 |
| 17) 2-Methylphenol | 7.051 | 107 | 276450 | 36.544 | ng | 99 |
| 18) Hexachloroethane | 7.310 | 117 | 144890 | 38.094 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.210 | 70 | 241878 | 36.848 | ng | 100 |
| 20) 3+4-Methylphenols | 7.204 | 107 | 347046 | 37.364 | ng | 99 |
| 22) Acetophenone | 7.210 | 105 | 458757 | 36.717 | ng | 100 |
| 24) Nitrobenzene | 7.381 | 77 | 391907 | 37.927 | ng | 99 |
| 25) Isophorone | 7.622 | 82 | 645309 | 37.439 | ng | 100 |
| 26) 2-Nitrophenol | 7.698 | 139 | 186592 | 38.289 | ng | 99 |
| 27) 2,4-Dimethylphenol | 7.734 | 122 | 236052m | 38.055 | ng | |
| 28) bis(2-Chloroethoxy)met... | 7.834 | 93 | 411851 | 37.460 | ng | 99 |
| 29) 2,4-Dichlorophenol | 7.940 | 162 | 286090 | 37.675 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.022 | 180 | 316431 | 36.488 | ng | 100 |
| 31) Naphthalene | 8.104 | 128 | 1030995 | 37.128 | ng | 100 |
| 32) Benzoic acid | 7.845 | 122 | 236833 | 41.534 | ng | 99 |
| 33) 4-Chloroaniline | 8.151 | 127 | 350423 | 37.214 | ng | 99 |
| 34) Hexachlorobutadiene | 8.222 | 225 | 186523 | 36.676 | ng | 99 |
| 35) Caprolactam | 8.522 | 113 | 93403 | 37.662 | ng | 97 |
| 36) 4-Chloro-3-methylphenol | 8.634 | 107 | 305288 | 37.480 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.792 | 142 | 651222 | 36.898 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.892 | 142 | 651341 | 37.570 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.957 | 216 | 296277 | 37.226 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 8.945 | 237 | 93930 | 39.961 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.069 | 196 | 201214 | 38.625 | ng | 100 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.110 | 196 | 209611 | 36.969 | ng | | 100 |
| 46) 1,1'-Biphenyl | 9.257 | 154 | 809694 | 37.111 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.281 | 162 | 626457 | 36.837 | ng | | 100 |
| 48) 2-Nitroaniline | 9.381 | 65 | 203104 | 37.970 | ng | | 98 |
| 49) Acenaphthylene | 9.698 | 152 | 890709 | 37.416 | ng | | 100 |
| 50) Dimethylphthalate | 9.563 | 163 | 697300 | 36.904 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.622 | 165 | 164343 | 37.459 | ng | | 99 |
| 52) Acenaphthene | 9.869 | 154 | 632756 | 37.206 | ng | | 99 |
| 53) 3-Nitroaniline | 9.792 | 138 | 164042 | 38.150 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.892 | 184 | 81034 | 39.734 | ng | # | 85 |
| 55) Dibenzofuran | 10.045 | 168 | 842555 | 37.012 | ng | | 100 |
| 56) 4-Nitrophenol | 9.945 | 139 | 122925 | 39.089 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 10.022 | 165 | 217705 | 38.327 | ng | | 99 |
| 58) Fluorene | 10.386 | 166 | 643639 | 36.451 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.163 | 232 | 169067 | 37.902 | ng | | 99 |
| 60) Diethylphthalate | 10.263 | 149 | 683674 | 37.316 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.381 | 204 | 312065 | 36.180 | ng | | 99 |
| 62) 4-Nitroaniline | 10.404 | 138 | 159227 | 37.665 | ng | | 99 |
| 63) Azobenzene | 10.539 | 77 | 678905 | 37.020 | ng | | 100 |
| 65) 4,6-Dinitro-2-methylph... | 10.433 | 198 | 111635 | 41.913 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 10.498 | 169 | 564452 | 38.757 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.869 | 248 | 199009 | 39.477 | ng | | 98 |
| 68) Hexachlorobenzene | 10.933 | 284 | 208171 | 38.929 | ng | | 99 |
| 69) Atrazine | 11.028 | 200 | 190958 | 39.215 | ng | | 99 |
| 70) Pentachlorophenol | 11.128 | 266 | 128300 | 40.973 | ng | | 99 |
| 71) Phenanthrene | 11.351 | 178 | 922625 | 38.117 | ng | | 100 |
| 72) Anthracene | 11.398 | 178 | 912703 | 38.484 | ng | | 100 |
| 73) Carbazole | 11.557 | 167 | 813036 | 38.661 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.892 | 149 | 984759 | 38.639 | ng | | 100 |
| 75) Fluoranthene | 12.539 | 202 | 902637 | 37.768 | ng | | 100 |
| 77) Benzidine | 12.663 | 184 | 405163 | 49.142 | ng | | 99 |
| 78) Pyrene | 12.769 | 202 | 894269 | 36.225 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.392 | 149 | 324793 | 37.660 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.957 | 228 | 631556 | 35.587 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.921 | 252 | 218850 | 38.774 | ng | | 99 |
| 83) Chrysene | 13.992 | 228 | 610038 | 37.508 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.951 | 149 | 400642 | 36.620 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.569 | 149 | 642439 | 37.807 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.868 | 276 | 678653 | 37.626 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 14.998 | 252 | 683111 | 38.861 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.027 | 252 | 556960 | 35.766 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.363 | 252 | 567574 | 38.209 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.886 | 278 | 551534 | 38.007 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.304 | 276 | 559807 | 37.101 | ng | | 99 |

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

ICAL Form

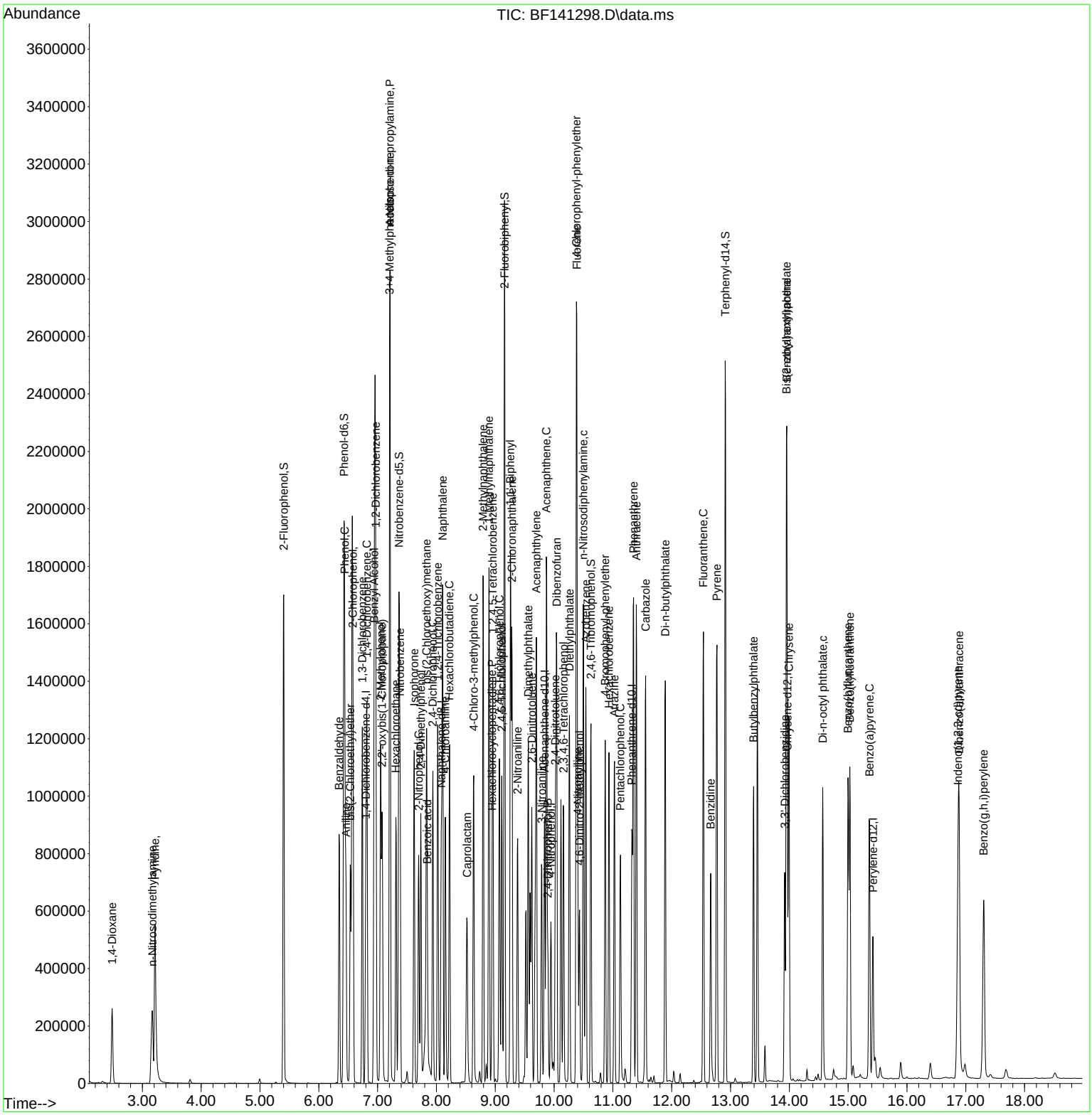
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

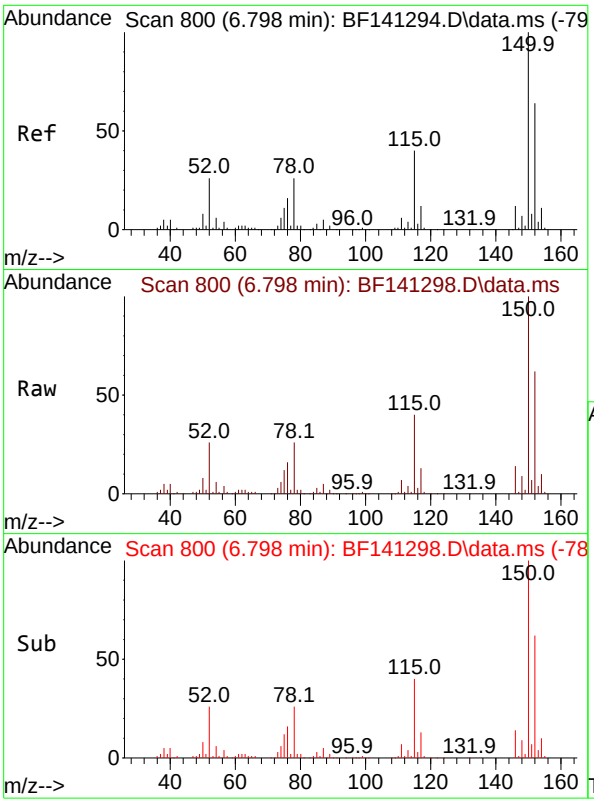
Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

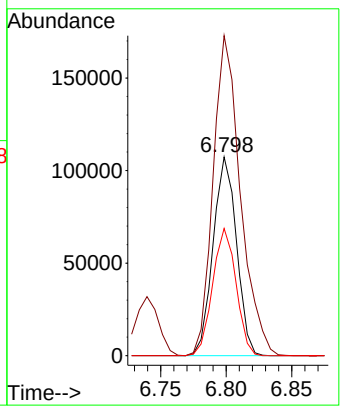





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:152 Resp: 13331

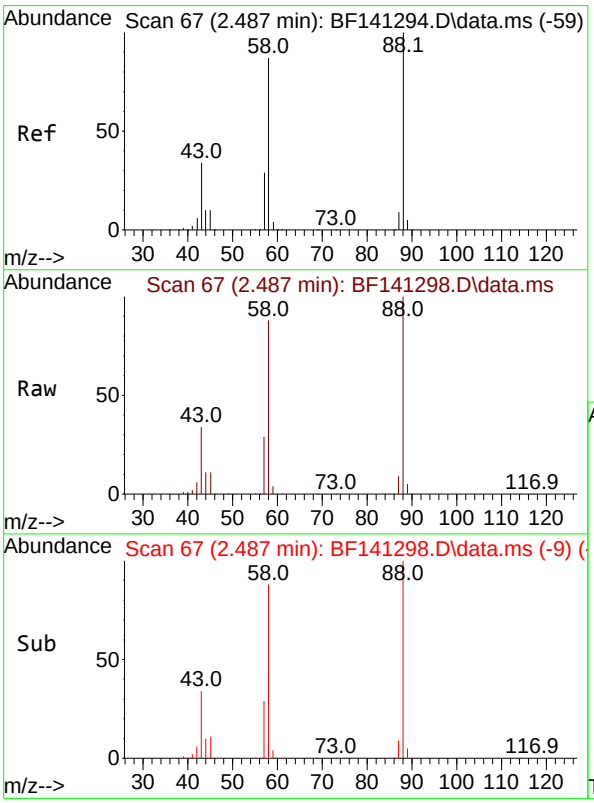
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 161.0 | 125.9 | 188.9 |
| 115 | 64.0 | 49.7 | 74.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

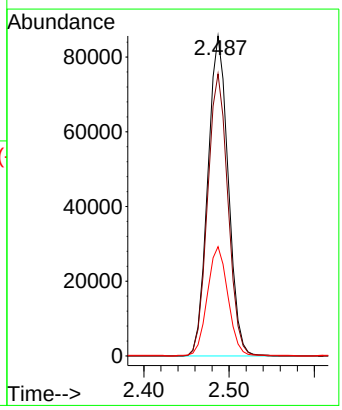
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

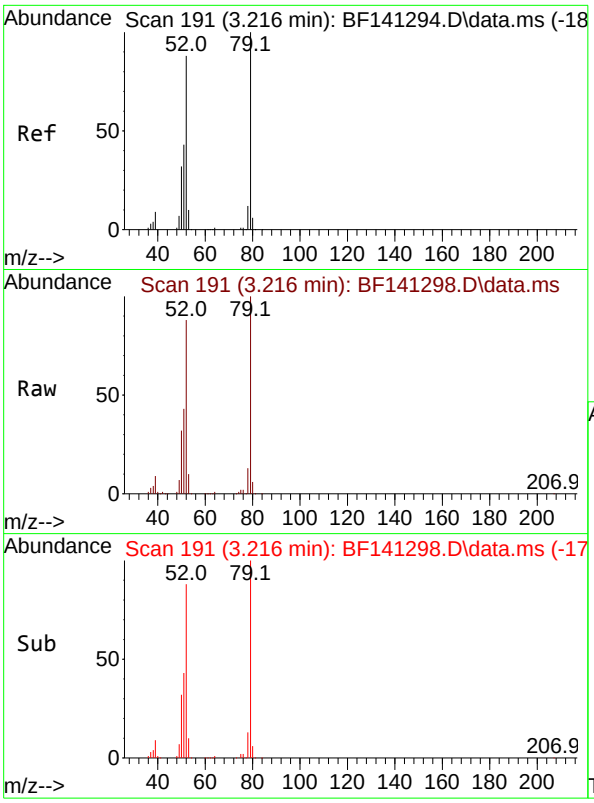



#2
1,4-Dioxane
Concen: 37.296 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 88 Resp: 142440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 87.8 | 70.2 | 105.4 |
| 43 | 34.7 | 27.6 | 41.4 |

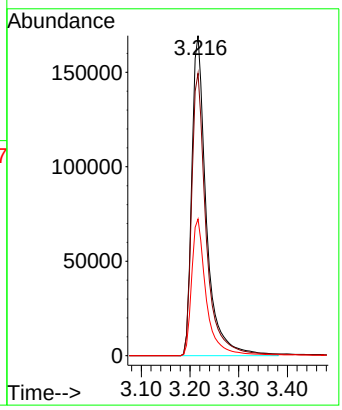





#3
Pyridine
Concen: 38.413 ng
RT: 3.216 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 79 Resp: 35347

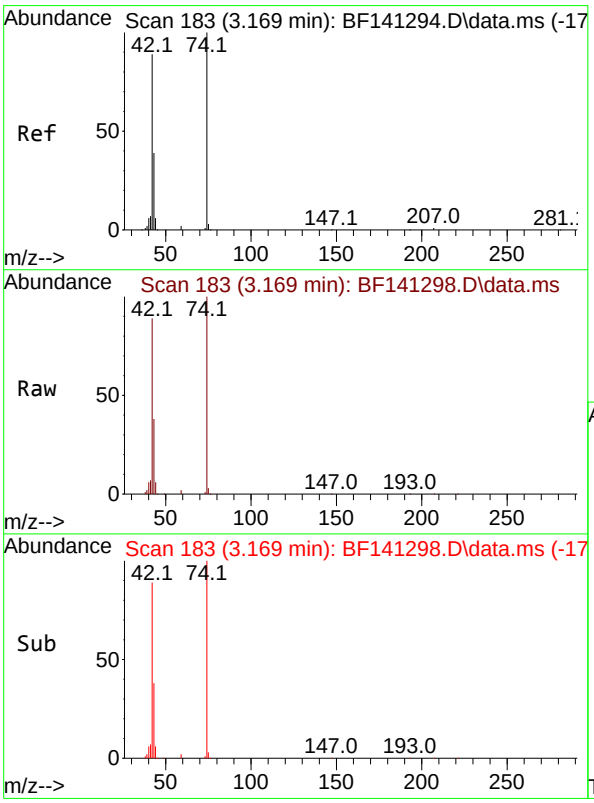
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 88.3 | 70.3 | 105.5 |
| 51 | 42.7 | 34.3 | 51.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

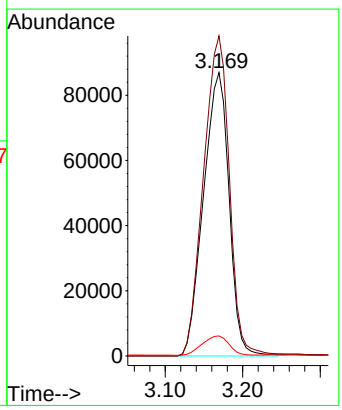
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

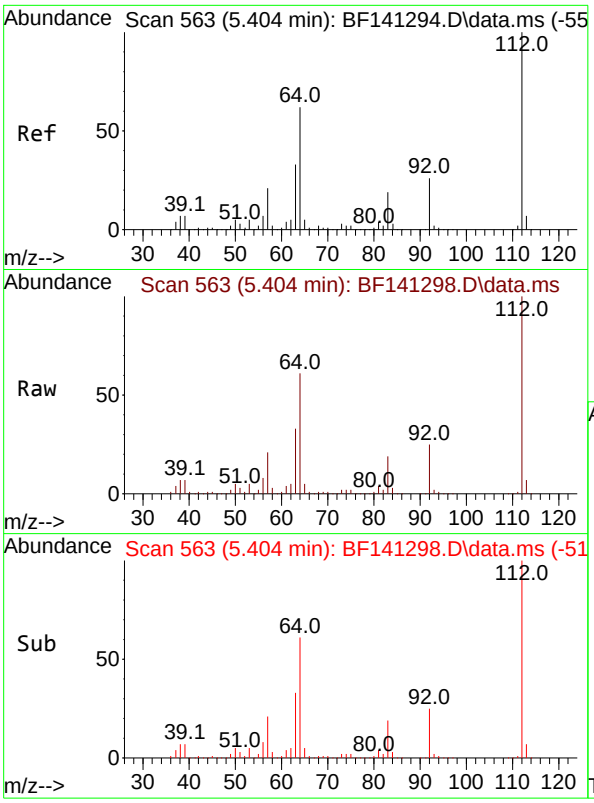



#4
n-Nitrosodimethylamine
Concen: 37.977 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.029 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 42 Resp: 199637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 112.9 | 90.3 | 135.5 |
| 44 | 7.1 | 5.7 | 8.5 |

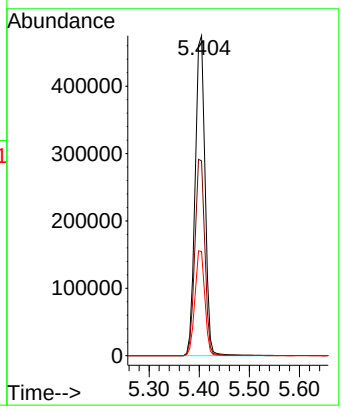





#5
2-Fluorophenol
Concen: 74.963 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:112 Resp: 65098

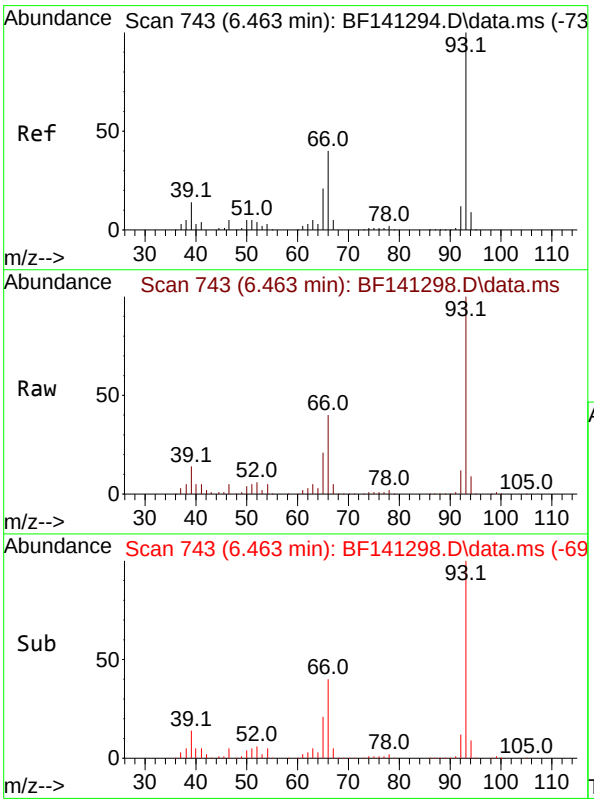
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.9 | 49.8 | 74.8 |
| 63 | 32.6 | 26.1 | 39.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

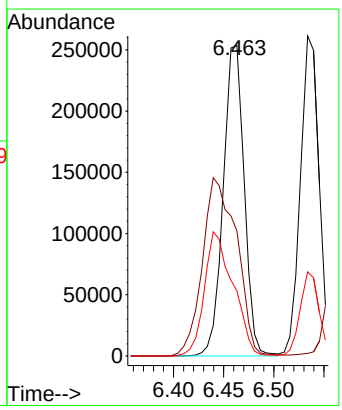
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

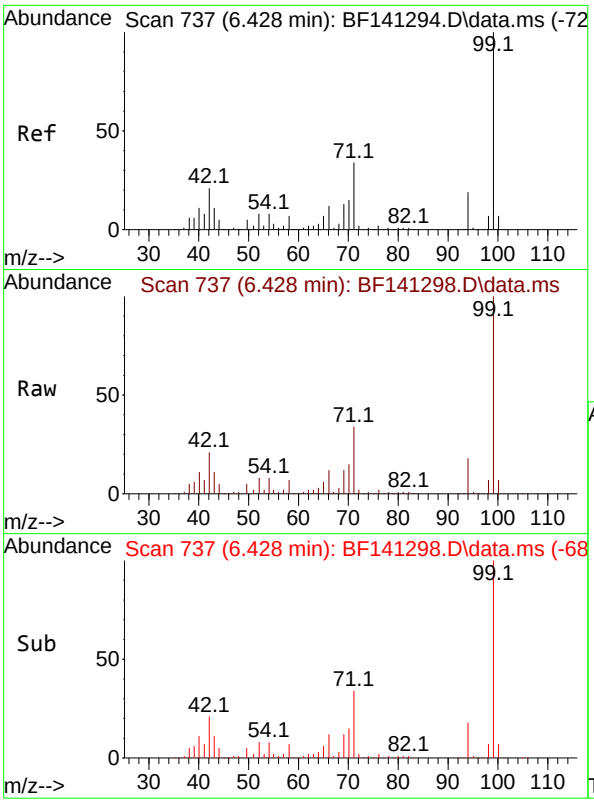



#6
Aniline
Concen: 39.437 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 93 Resp: 368792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.3 | 32.5 | 48.7 |
| 65 | 20.9 | 17.0 | 25.6 |

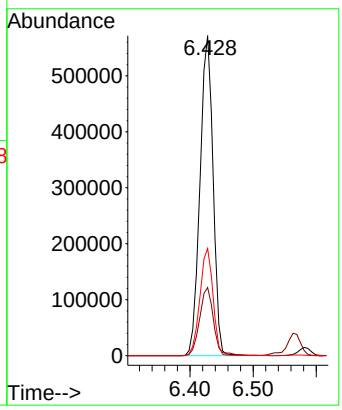





#7
Phenol-d6
Concen: 74.641 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 99 Resp: 82457

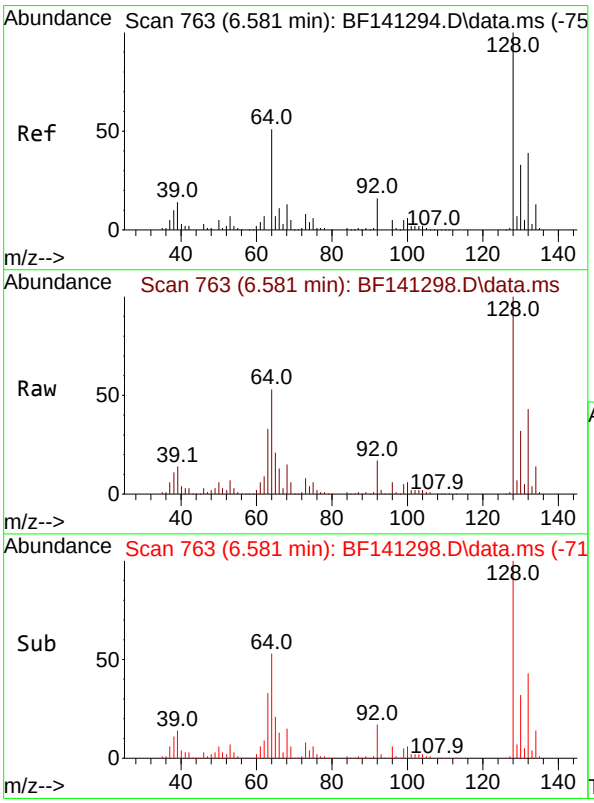
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.3 | 17.1 | 25.7 |
| 71 | 33.5 | 26.9 | 40.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

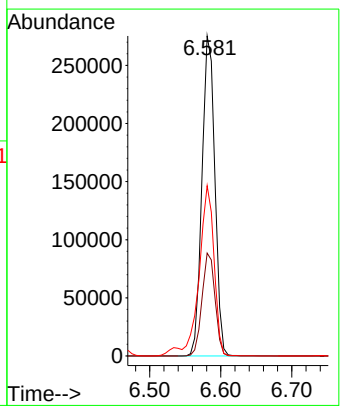
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

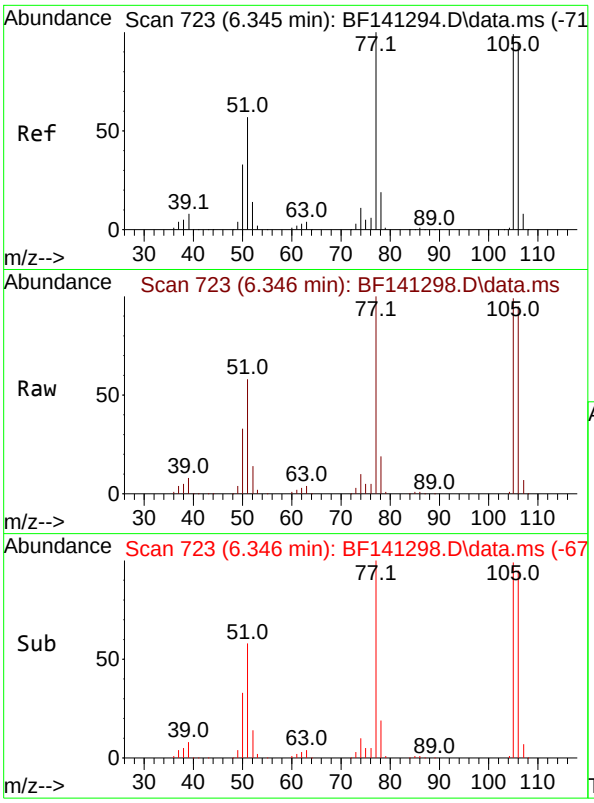



#8
2-Chlorophenol
Concen: 37.505 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:128 Resp: 349085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.1 | 12.5 | 52.5 |
| 64 | 53.2 | 32.9 | 72.9 |

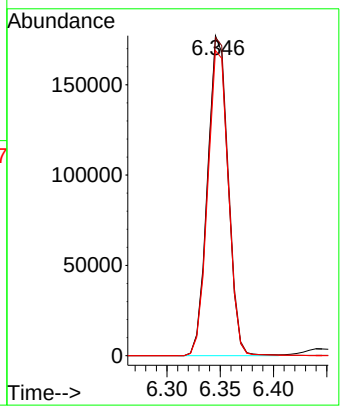





#9
Benzaldehyde
Concen: 36.965 ng
RT: 6.346 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 77 Resp: 23653

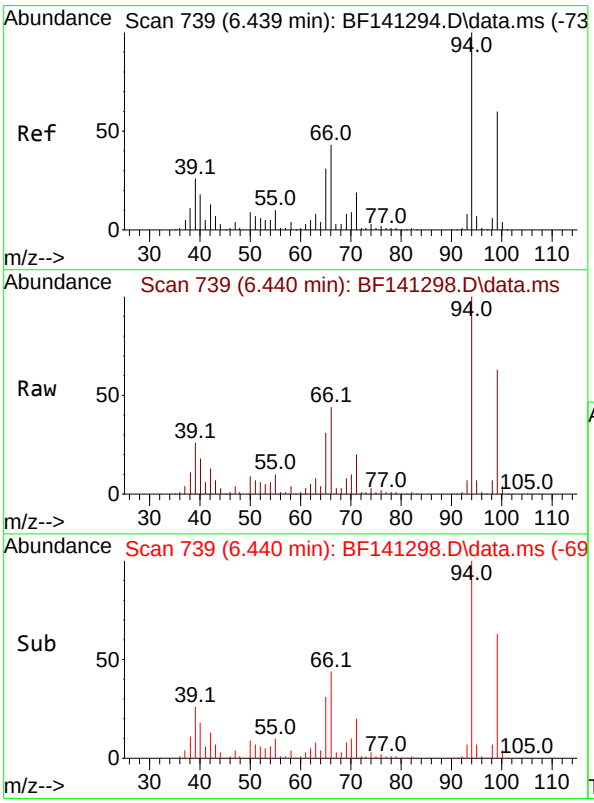
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.5 | 79.4 | 119.4 |
| 106 | 95.3 | 74.6 | 114.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

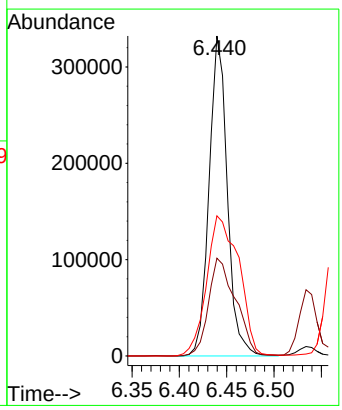
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

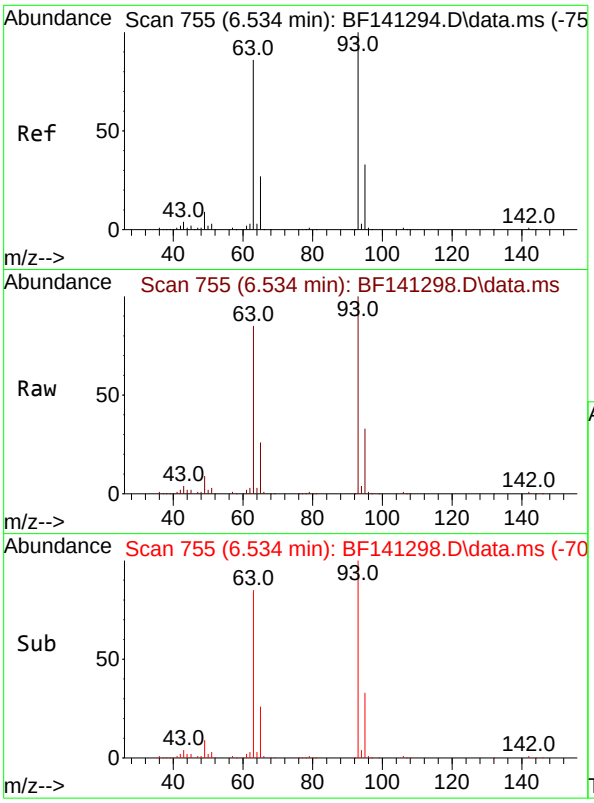



#10
Phenol
Concen: 37.888 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 94 Resp: 443695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 30.5 | 10.8 | 50.8 |
| 66 | 43.8 | 23.3 | 63.3 |

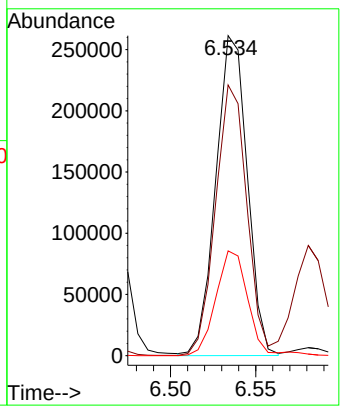





#11
bis(2-Chloroethyl)ether
Concen: 37.387 ng
RT: 6.534 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 93 Resp: 33570

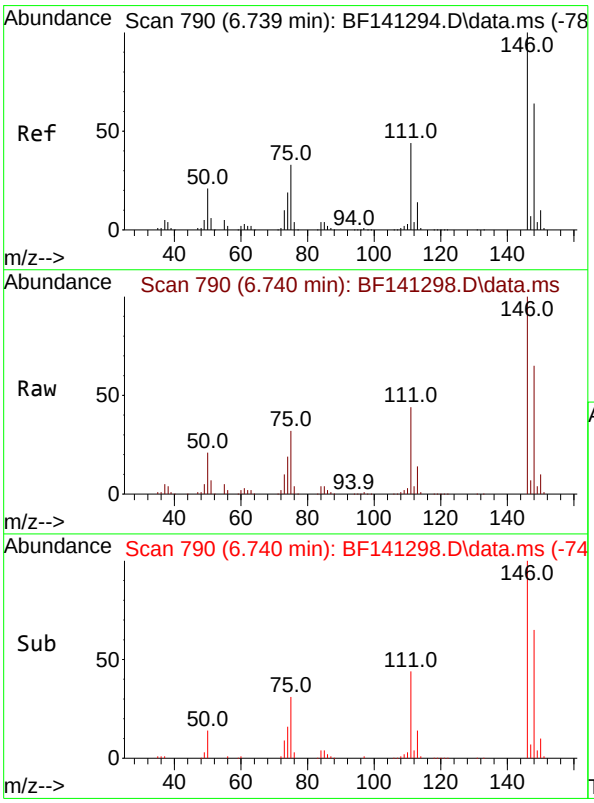
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 84.6 | 65.0 | 105.0 |
| 95 | 32.8 | 12.4 | 52.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

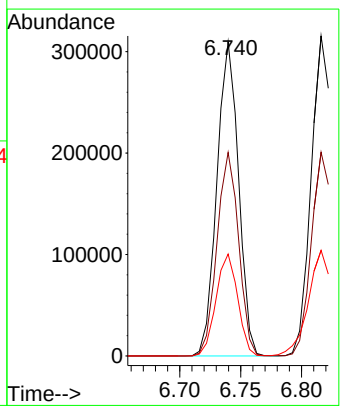
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

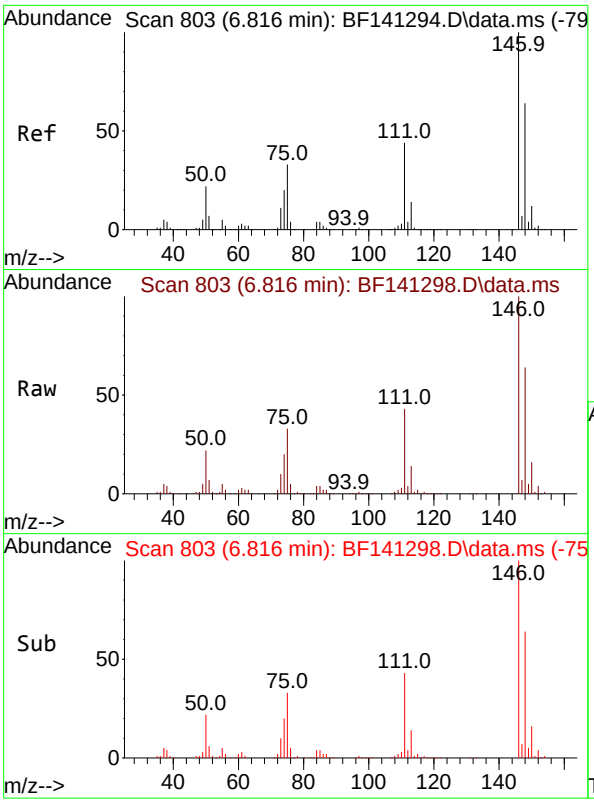



#12
1,3-Dichlorobenzene
Concen: 37.288 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:146 Resp: 382682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.2 | 76.8 |
| 75 | 32.4 | 26.2 | 39.4 |

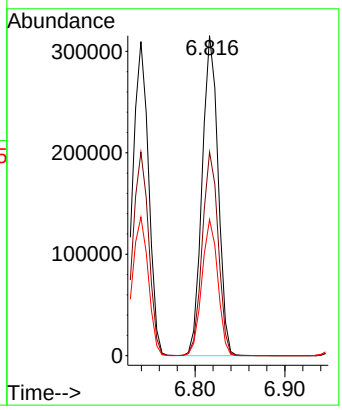





#13
1,4-Dichlorobenzene
Concen: 37.885 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:146 Resp: 39059

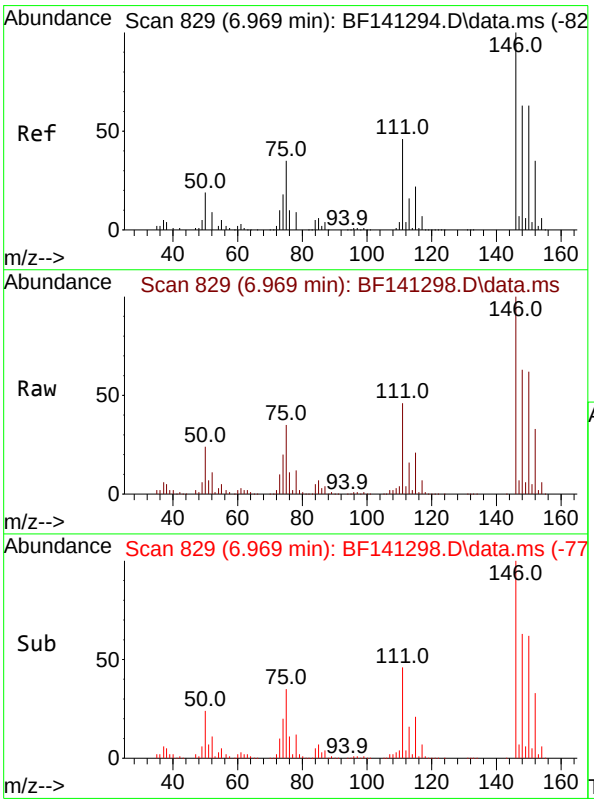
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 51.2 | 76.8 |
| 111 | 42.5 | 35.0 | 52.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

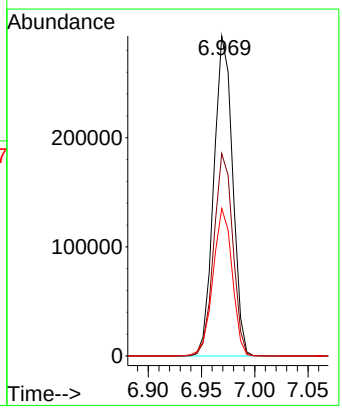
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

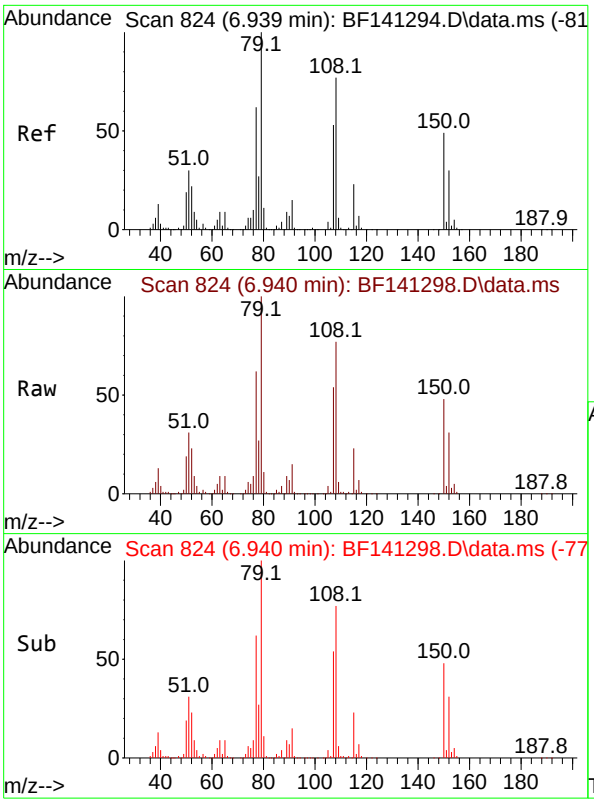



#14
1,2-Dichlorobenzene
Concen: 37.241 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:146 Resp: 359529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 50.5 | 75.7 |
| 111 | 46.1 | 36.6 | 55.0 |

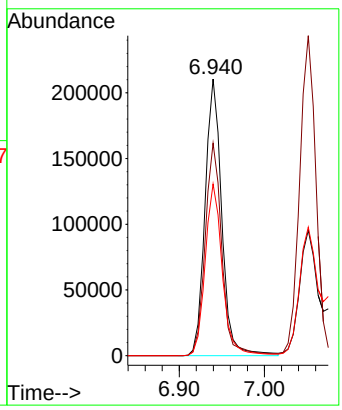





#15
Benzyl Alcohol
Concen: 37.952 ng
RT: 6.940 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 79 Resp: 28651

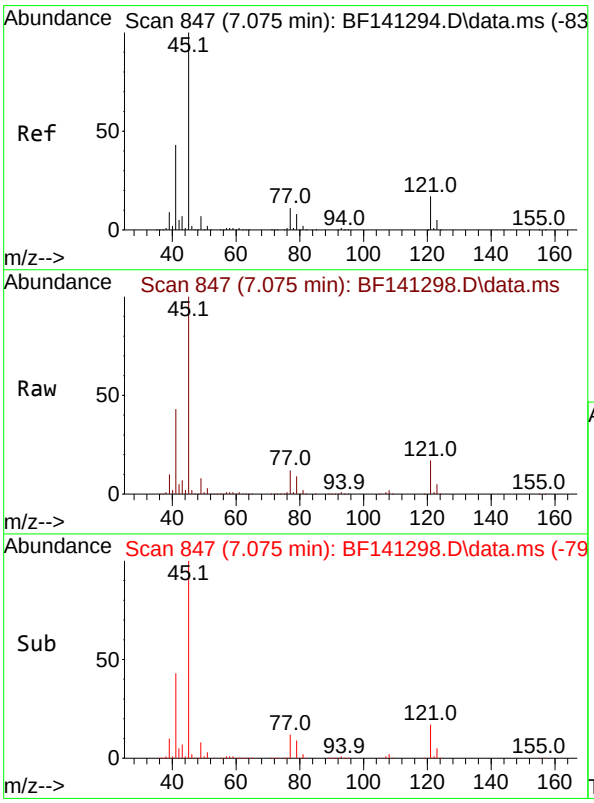
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.8 | 61.4 | 92.0 |
| 77 | 62.0 | 49.9 | 74.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

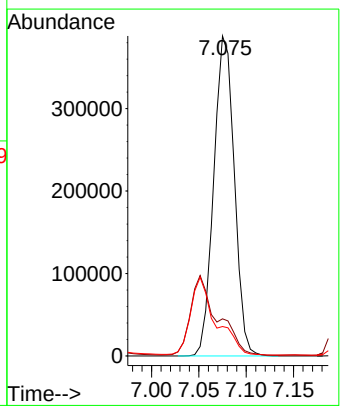
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

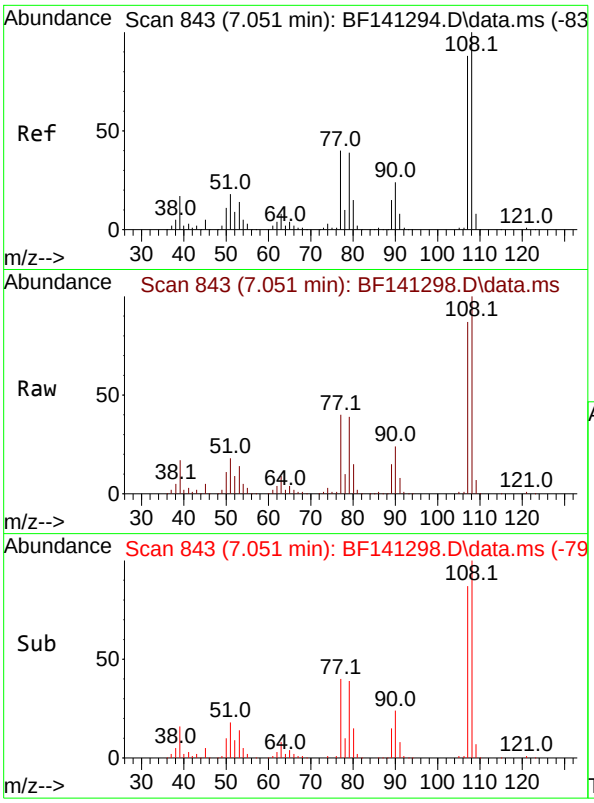



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.636 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 45 Resp: 587637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 11.6 | 0.0 | 31.8 |
| 79 | 9.2 | 0.0 | 29.1 |

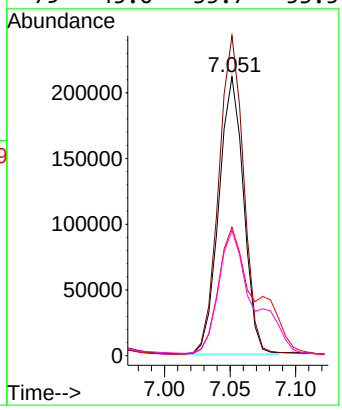





#17
2-Methylphenol
Concen: 36.544 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:107 Resp: 27645

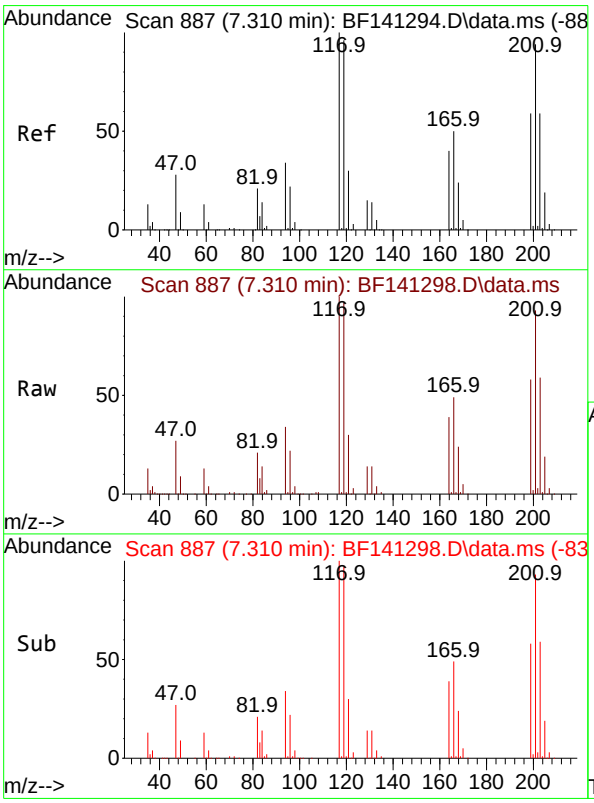
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.8 | 90.8 | 136.2 |
| 77 | 46.1 | 36.2 | 54.4 |
| 79 | 45.0 | 35.7 | 53.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

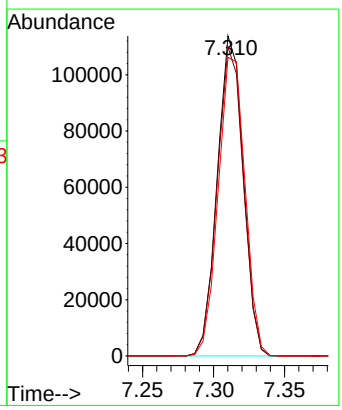
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

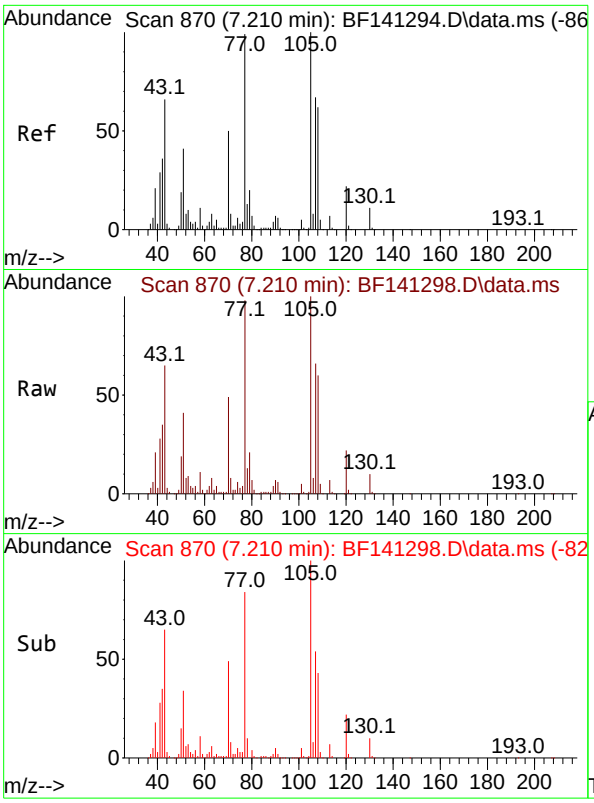



#18
Hexachloroethane
Concen: 38.094 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:117 Resp: 144890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.6 | 76.6 | 114.8 |
| 201 | 93.3 | 74.8 | 112.2 |

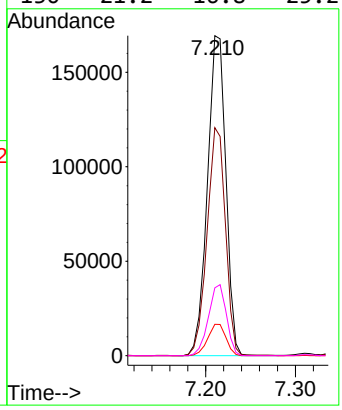





#19
n-Nitroso-di-n-propylamine
Concen: 36.848 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 70 Resp: 24187

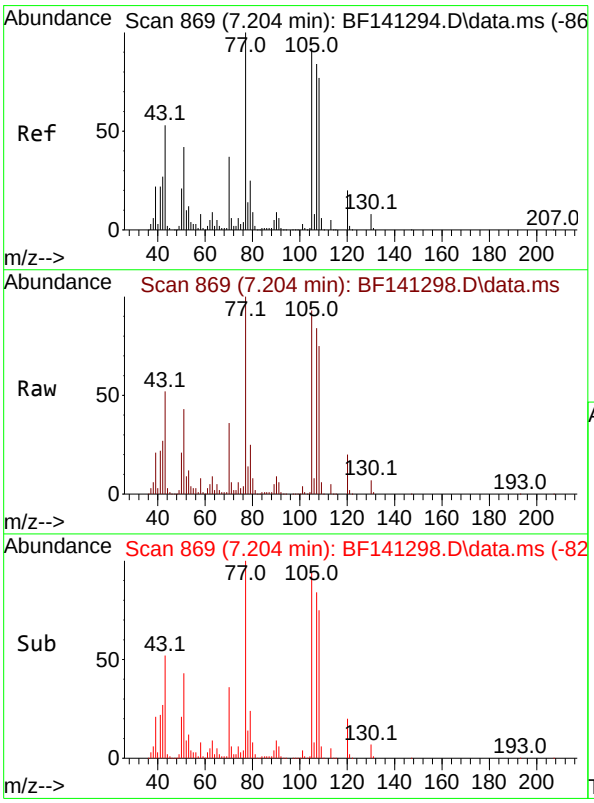
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 71.3 | 56.8 | 85.2 |
| 101 | 9.8 | 7.7 | 11.5 |
| 130 | 21.2 | 16.8 | 25.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

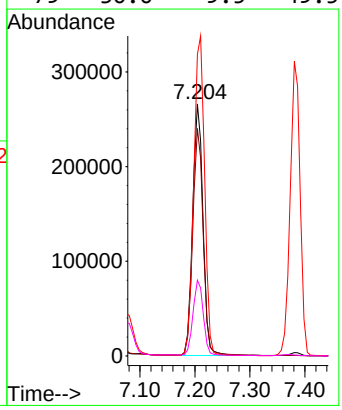
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

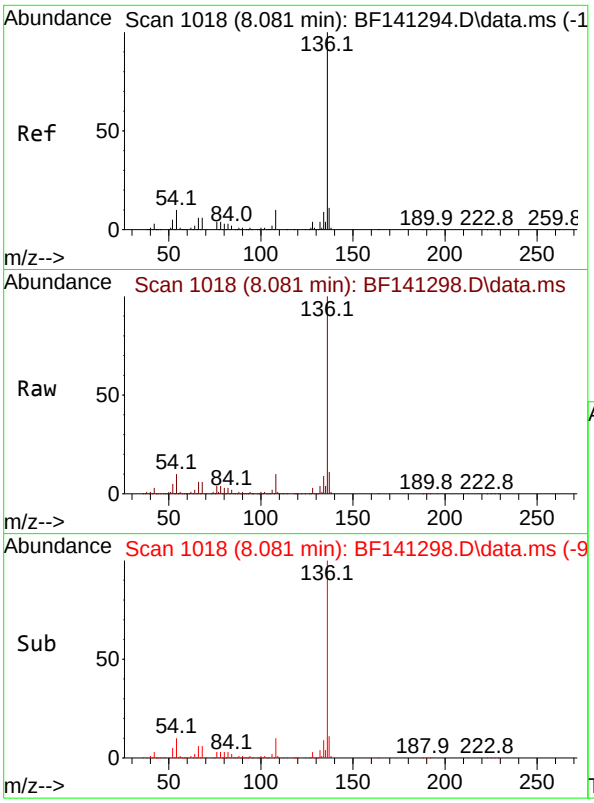



#20
3+4-Methylphenols
Concen: 37.364 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:107 Resp: 347046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.2 | 70.9 | 110.9 |
| 77 | 119.7 | 98.5 | 138.5 |
| 79 | 30.0 | 9.5 | 49.5 |

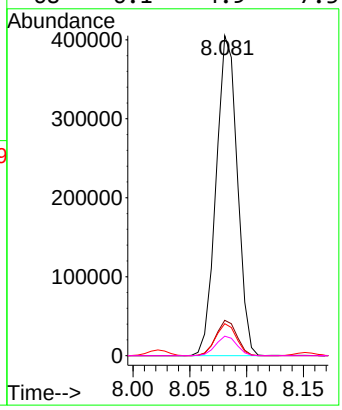





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:136 Resp: 52564

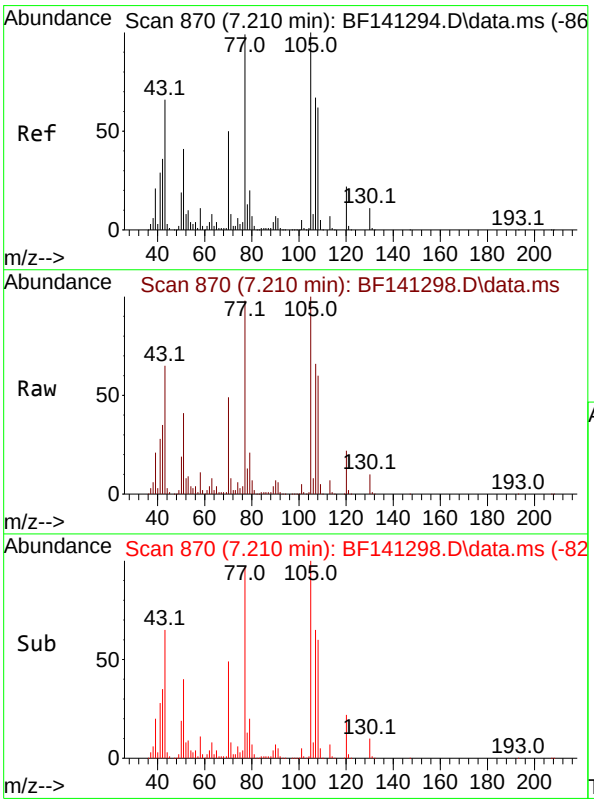
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.6 | 13.0 |
| 54 | 10.0 | 7.8 | 11.8 |
| 68 | 6.1 | 4.9 | 7.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

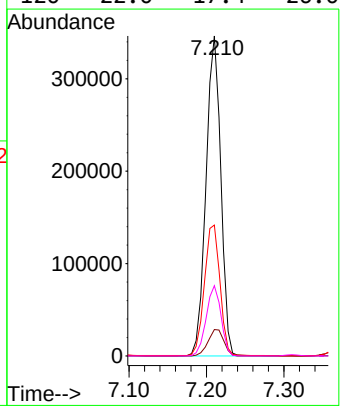
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

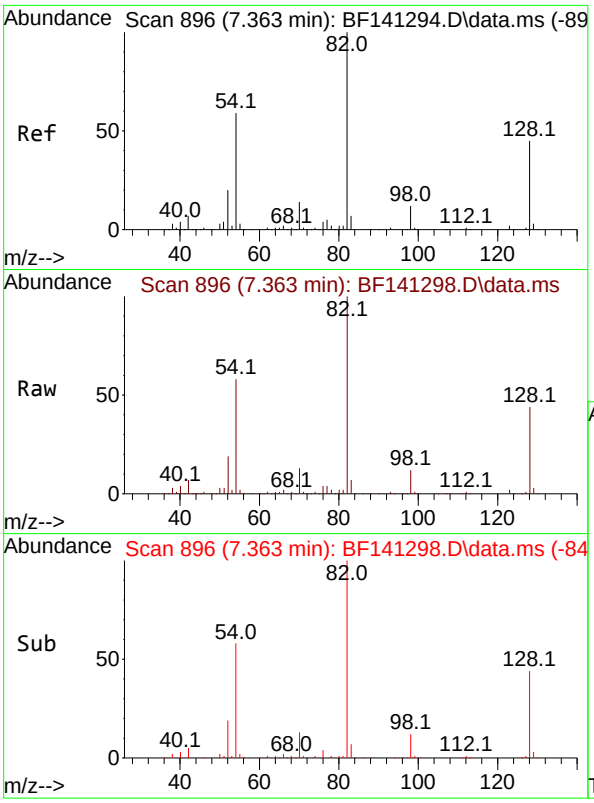



#22
Acetophenone
Concen: 36.717 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:105 Resp: 458757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.3 | 6.8 | 10.2 |
| 51 | 40.9 | 32.6 | 49.0 |
| 120 | 22.0 | 17.4 | 26.0 |

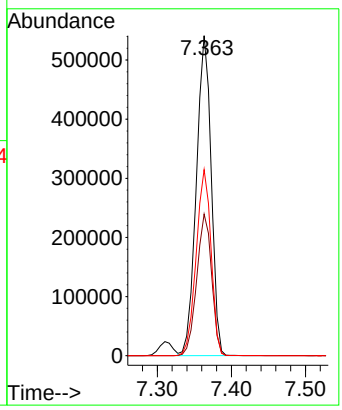





#23
Nitrobenzene-d5
Concen: 75.630 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 82 Resp: 75411

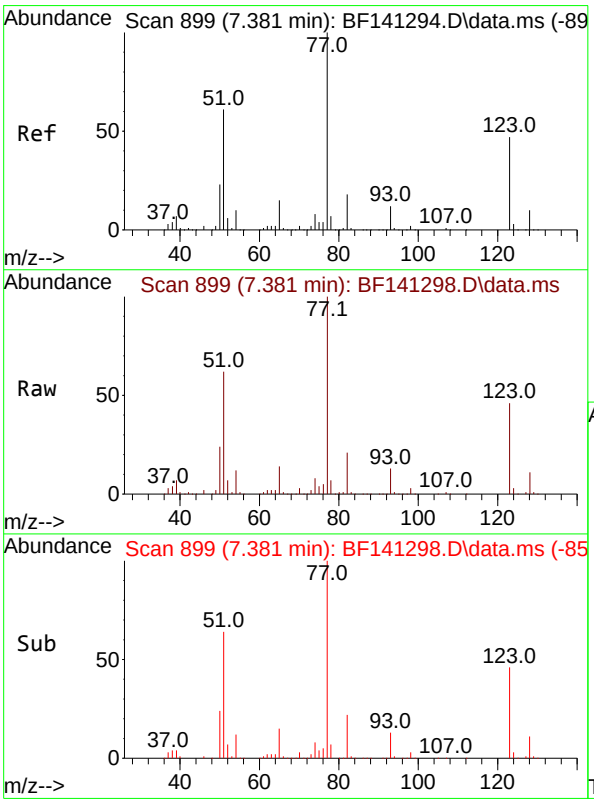
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.2 | 35.7 | 53.5 |
| 54 | 58.2 | 47.1 | 70.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

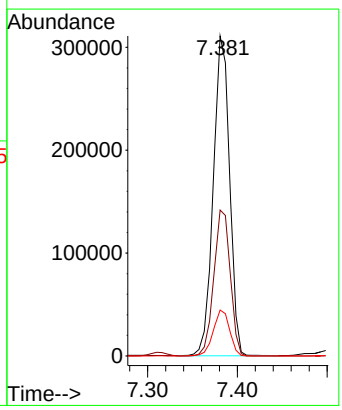
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

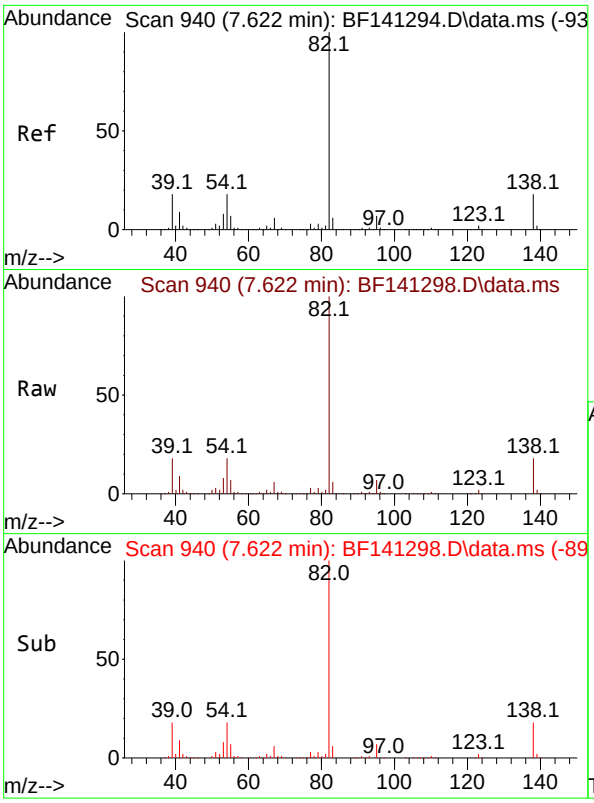



#24
Nitrobenzene
Concen: 37.927 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 77 Resp: 391907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 45.6 | 37.3 | 55.9 |
| 65 | 14.4 | 11.8 | 17.6 |

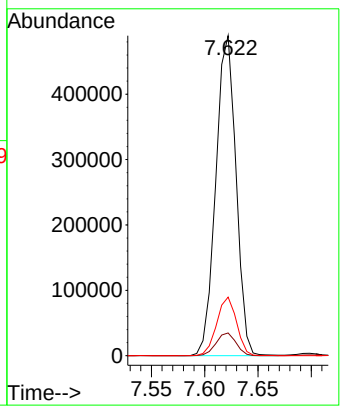





#25
Isophorone
Concen: 37.439 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 82 Resp: 64530

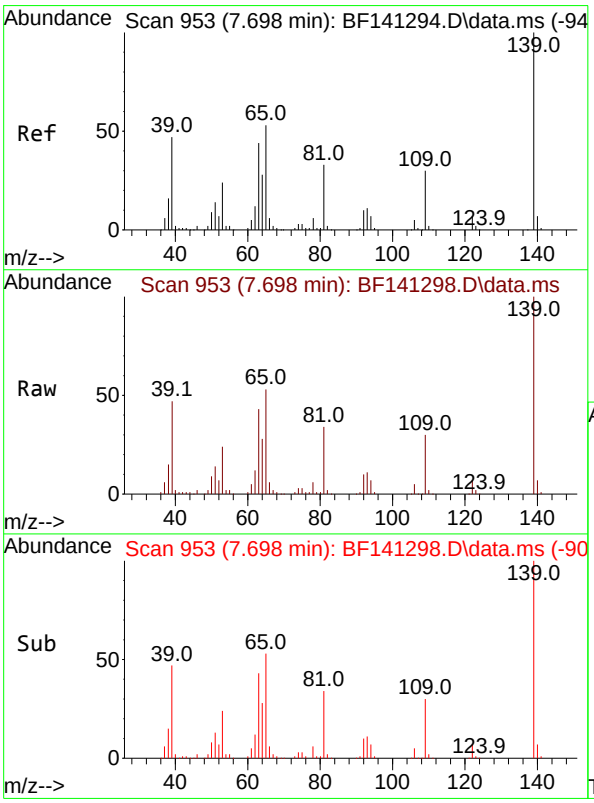
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.1 | 5.8 | 8.6 |
| 138 | 18.3 | 14.7 | 22.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

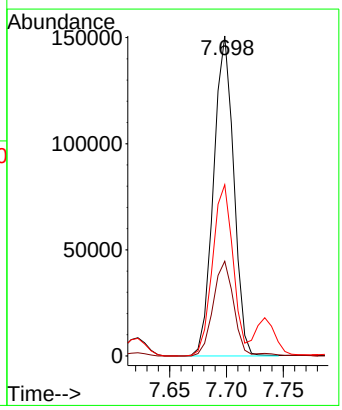
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

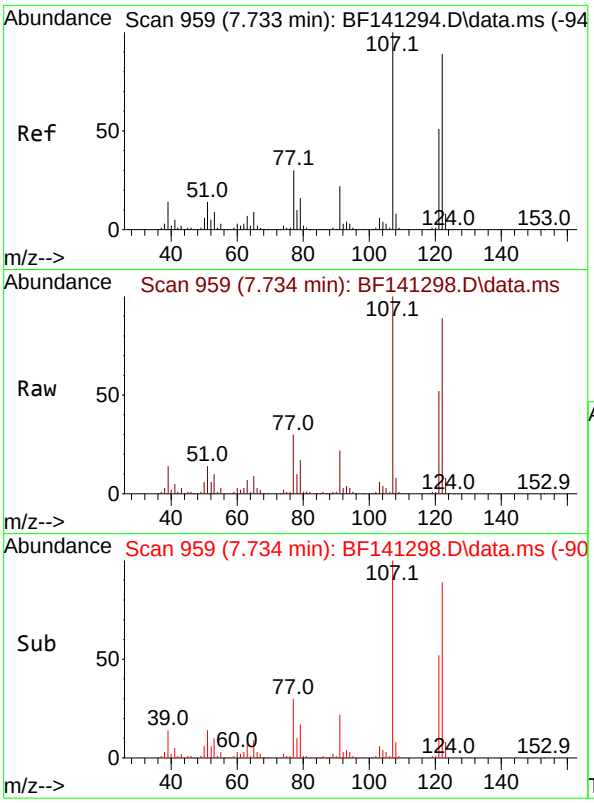



#26
2-Nitrophenol
Concen: 38.289 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:139 Resp: 186592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.6 | 23.8 | 35.6 |
| 65 | 53.5 | 42.2 | 63.4 |

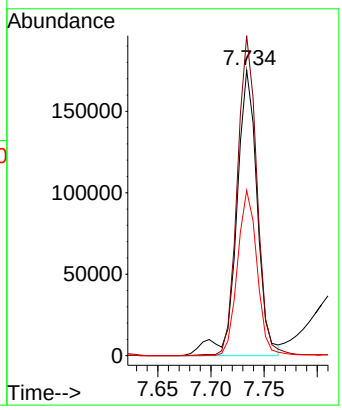





#27
2,4-Dimethylphenol
Concen: 38.055 ng m
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:122 Resp: 23605

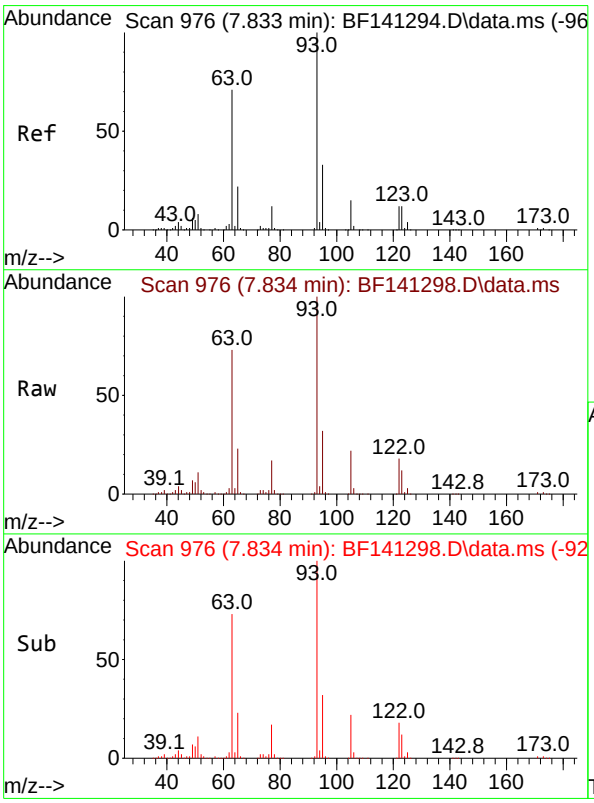
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.0 | 89.9 | 134.9 |
| 121 | 57.9 | 46.1 | 69.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

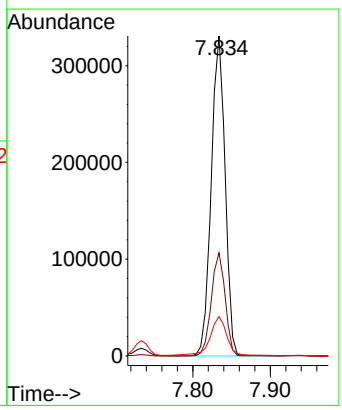
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

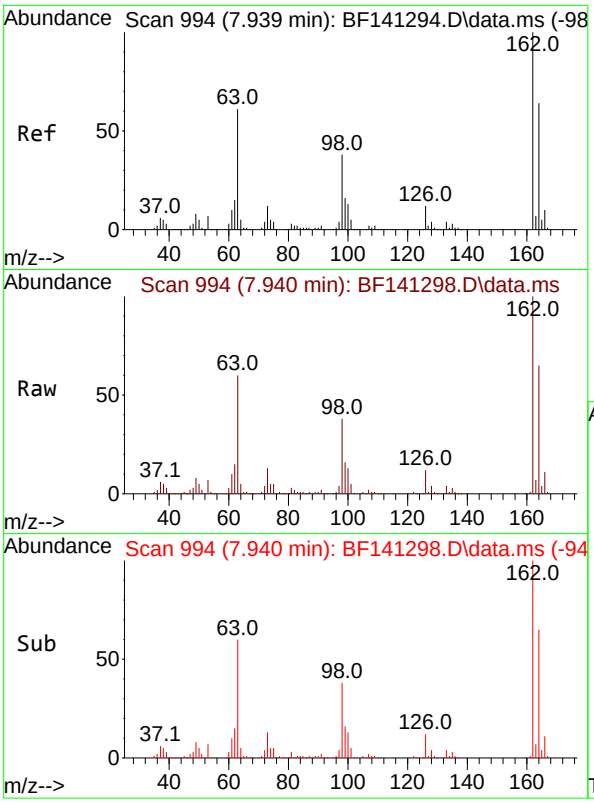



#28
bis(2-Chloroethoxy)methane
Concen: 37.460 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 93 Resp: 411851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.3 | 26.2 | 39.2 |
| 123 | 12.3 | 10.2 | 15.4 |

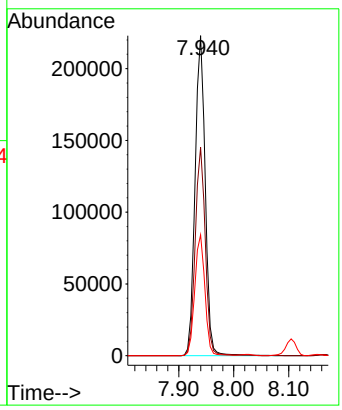





#29
2,4-Dichlorophenol
Concen: 37.675 ng
RT: 7.940 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:162 Resp: 28609

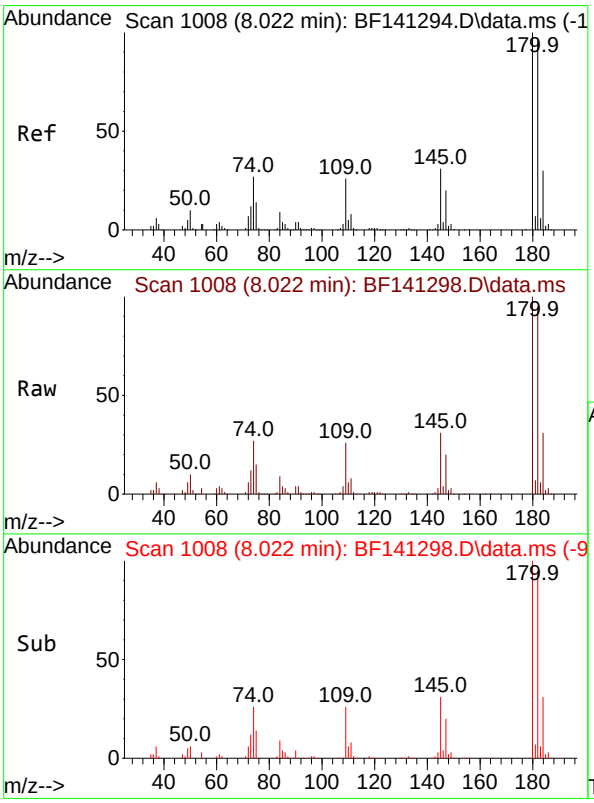
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.1 | 44.2 | 84.2 |
| 98 | 37.7 | 18.2 | 58.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

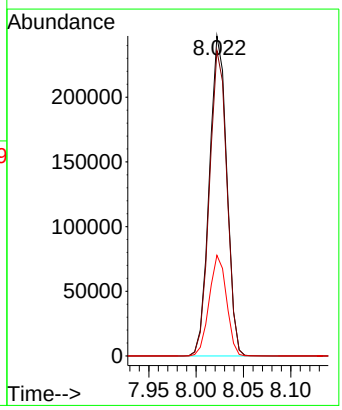
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

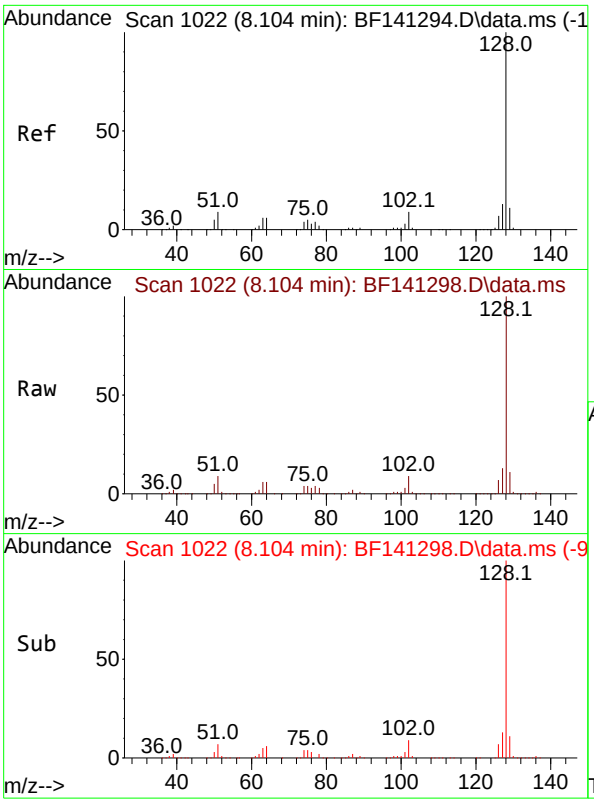



#30
1,2,4-Trichlorobenzene
Concen: 36.488 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:180 Resp: 316431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.4 | 76.4 | 114.6 |
| 145 | 31.4 | 24.9 | 37.3 |

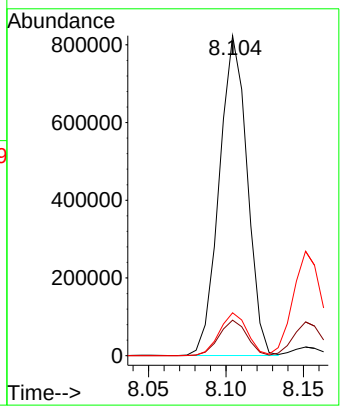





#31
Naphthalene
Concen: 37.128 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:128 Resp: 103099

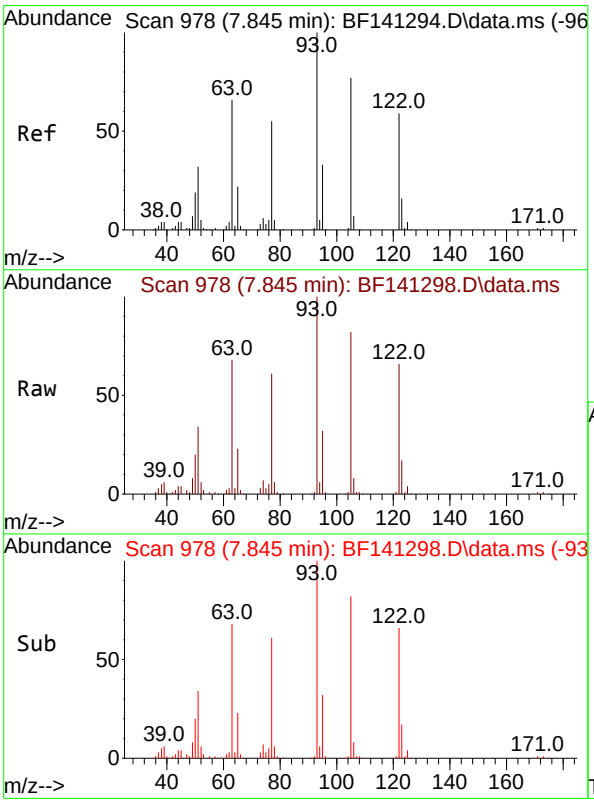
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.9 | 13.3 |
| 127 | 13.4 | 10.6 | 15.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

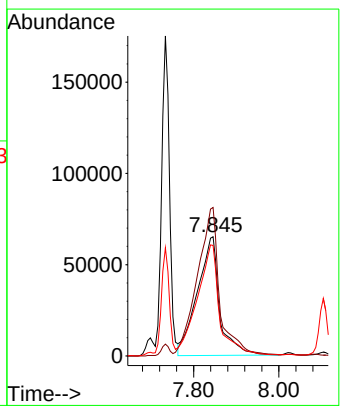
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

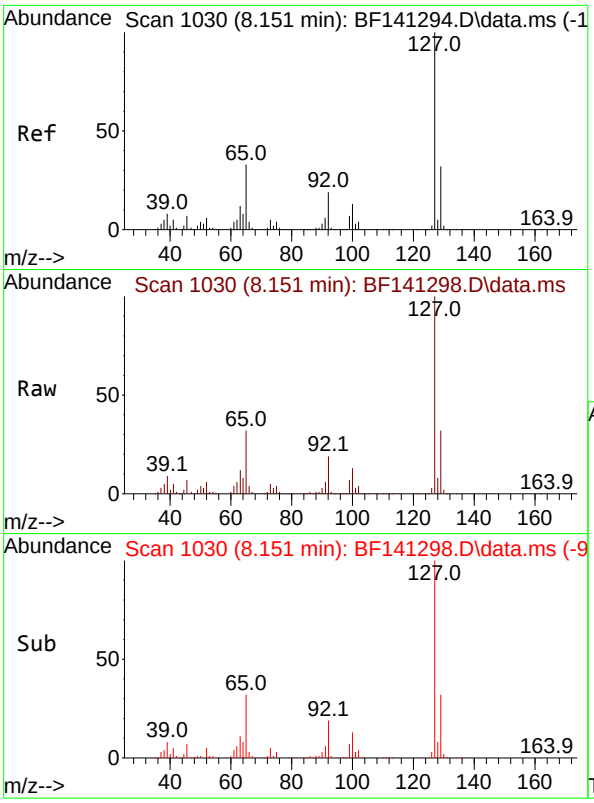



#32
Benzoic acid
Concen: 41.534 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.035 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:122 Resp: 236833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.7 | 103.4 | 143.4 |
| 77 | 92.8 | 70.9 | 110.9 |

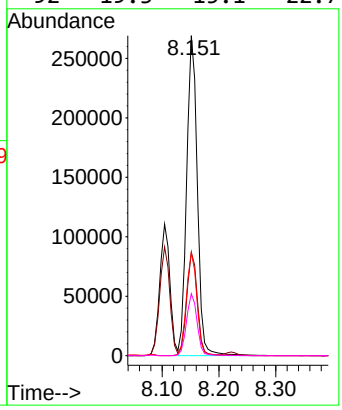





#33
4-Chloroaniline
Concen: 37.214 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:127 Resp: 35042

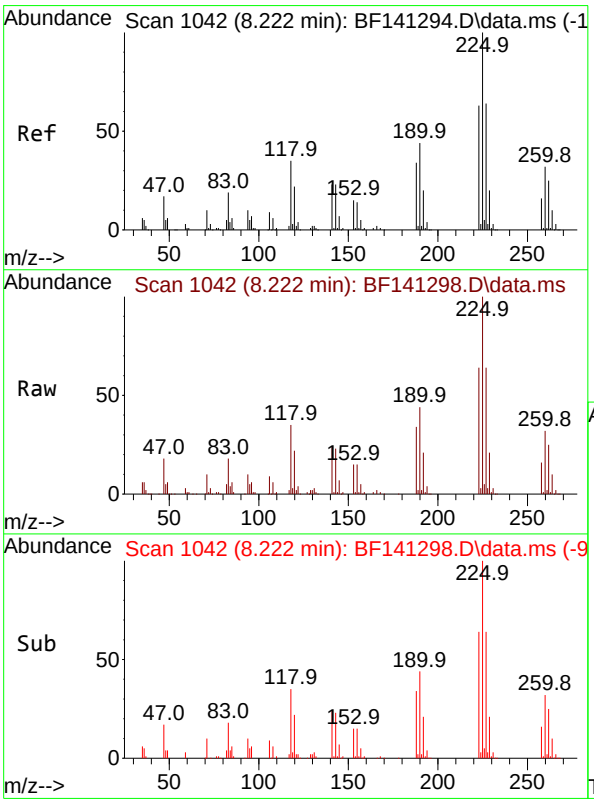
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.3 | 25.7 | 38.5 |
| 65 | 32.3 | 26.4 | 39.6 |
| 92 | 19.3 | 15.1 | 22.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

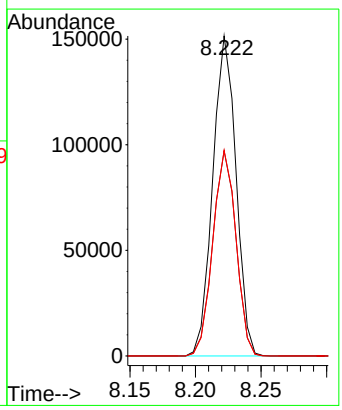
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

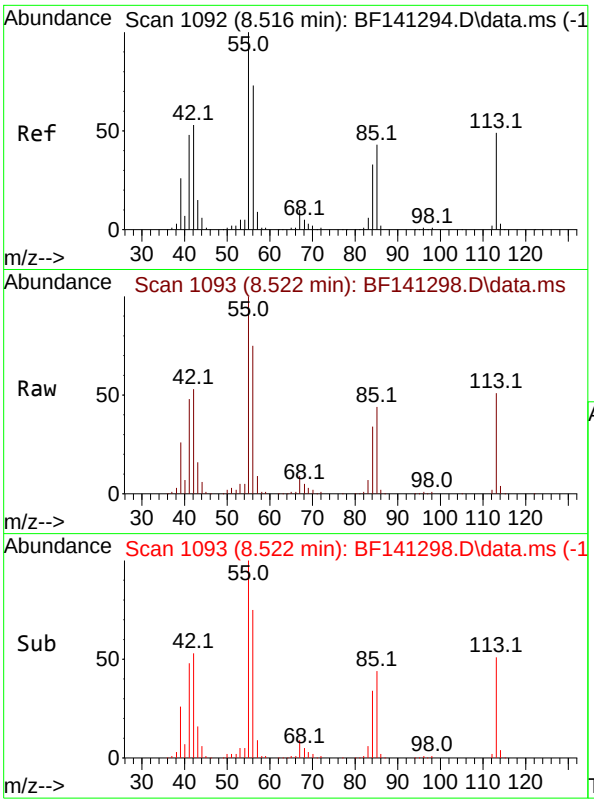



#34
Hexachlorobutadiene
Concen: 36.676 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:225 Resp: 186523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.0 | 50.4 | 75.6 |
| 227 | 64.2 | 51.3 | 76.9 |






#35
Caprolactam
Concen: 37.662 ng
RT: 8.522 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

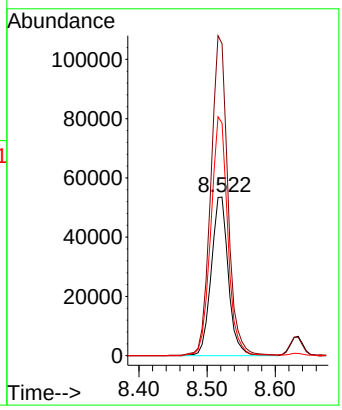
Tgt Ion:113 Resp: 9340

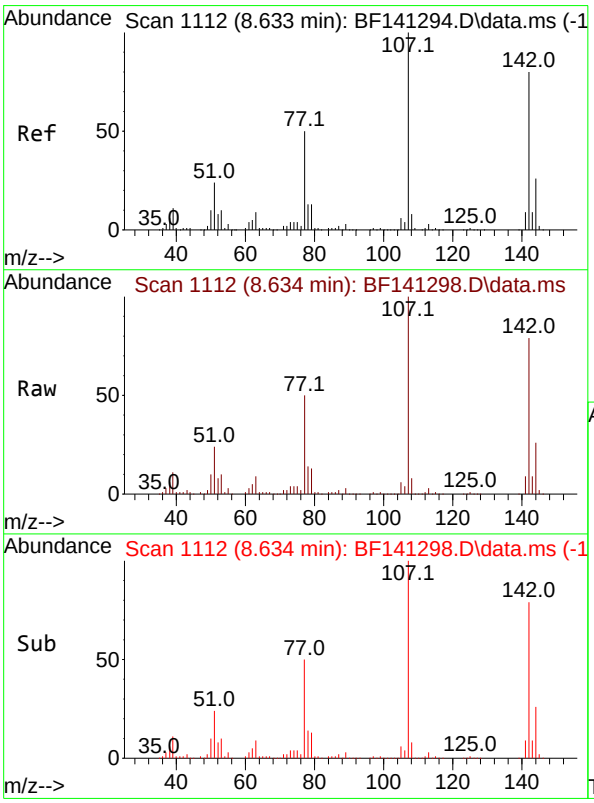
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 196.8 | 182.9 | 222.9 |
| 56 | 146.7 | 127.9 | 167.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

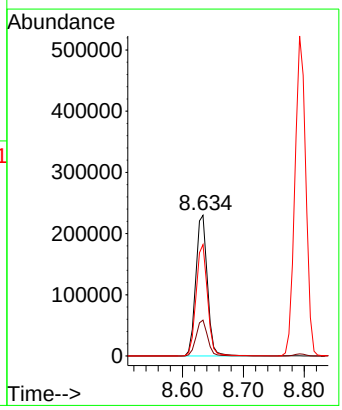


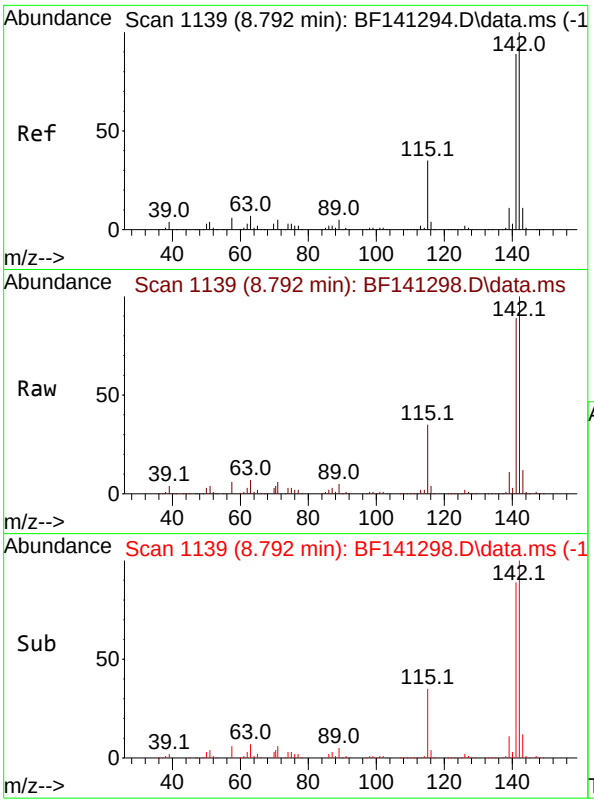




#36
4-Chloro-3-methylphenol
Concen: 37.480 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:107 Resp: 305288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.5 | 20.7 | 31.1 |
| 142 | 79.1 | 63.8 | 95.8 |






#37
2-Methylnaphthalene
Concen: 36.898 ng
RT: 8.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

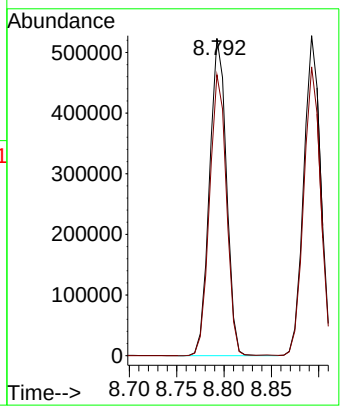
Tgt Ion:142 Resp: 65122

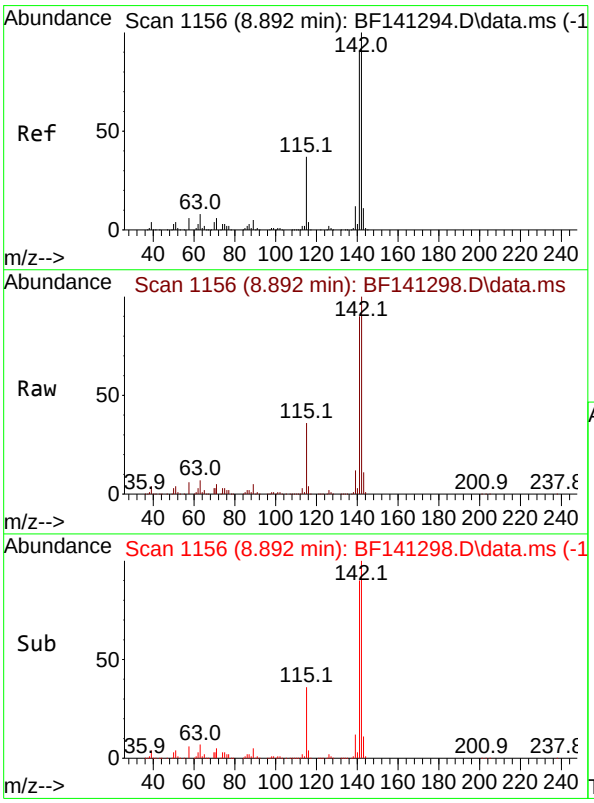
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.6 | 71.3 | 106.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

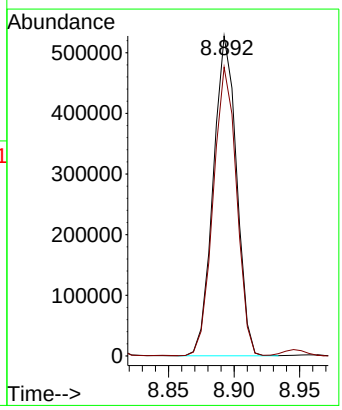


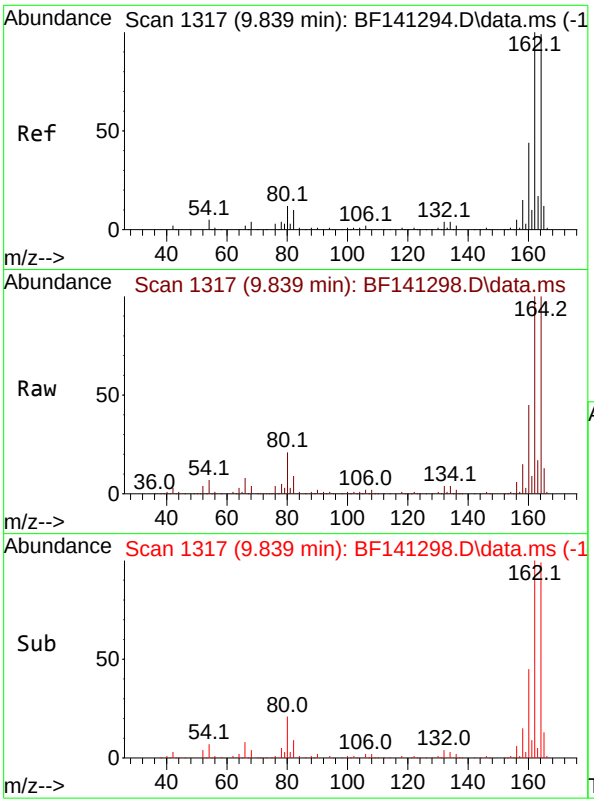




#38
1-Methylnaphthalene
Concen: 37.570 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:142 Resp: 651341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.3 | 73.2 | 109.8 |






#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

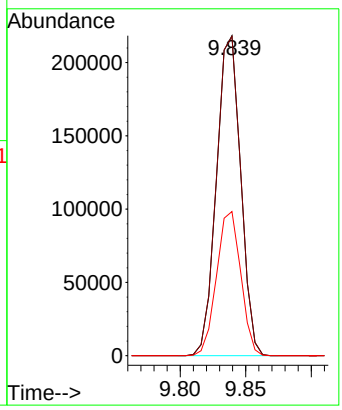
**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

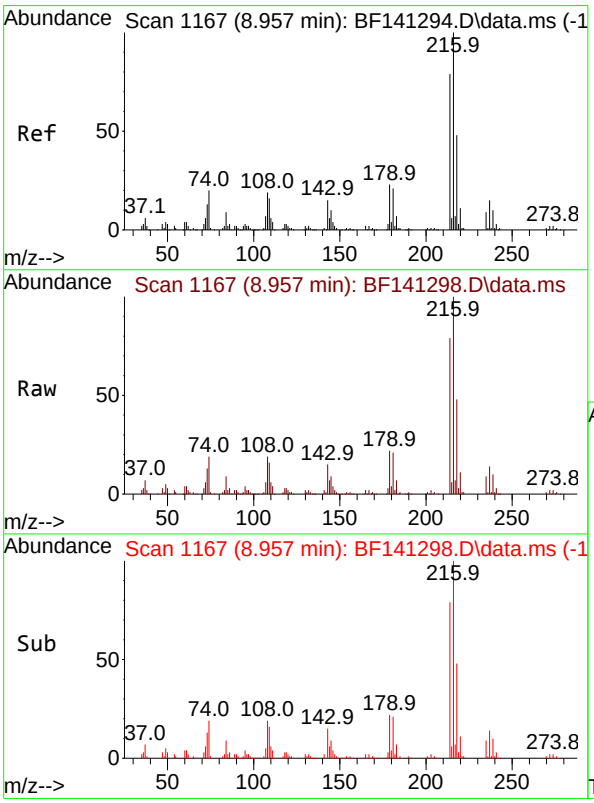
Tgt Ion:164 Resp: 27976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.8 | 80.6 | 121.0 |
| 160 | 45.1 | 35.8 | 53.6 |

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

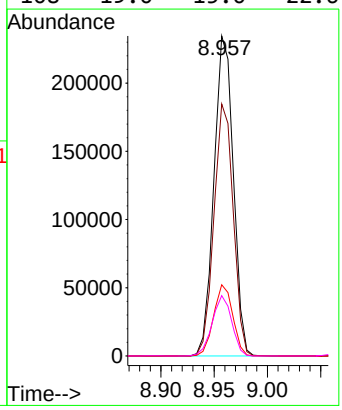


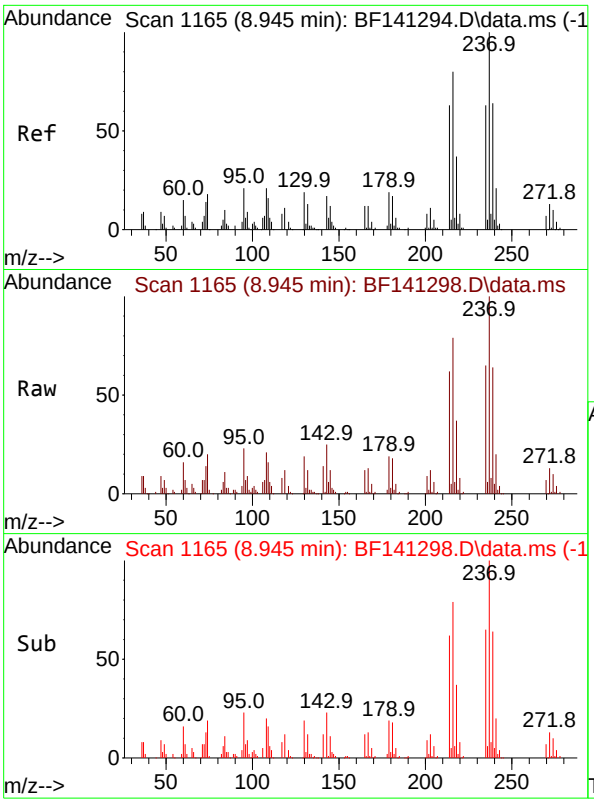




#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.226 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:216 Resp: 296277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.4 | 63.2 | 94.8 |
| 179 | 22.0 | 17.8 | 26.8 |
| 108 | 19.0 | 15.0 | 22.6 |






#41
Hexachlorocyclopentadiene
Concen: 39.961 ng
RT: 8.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

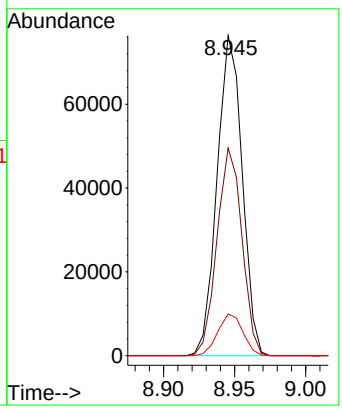
Tgt Ion:237 Resp: 9393

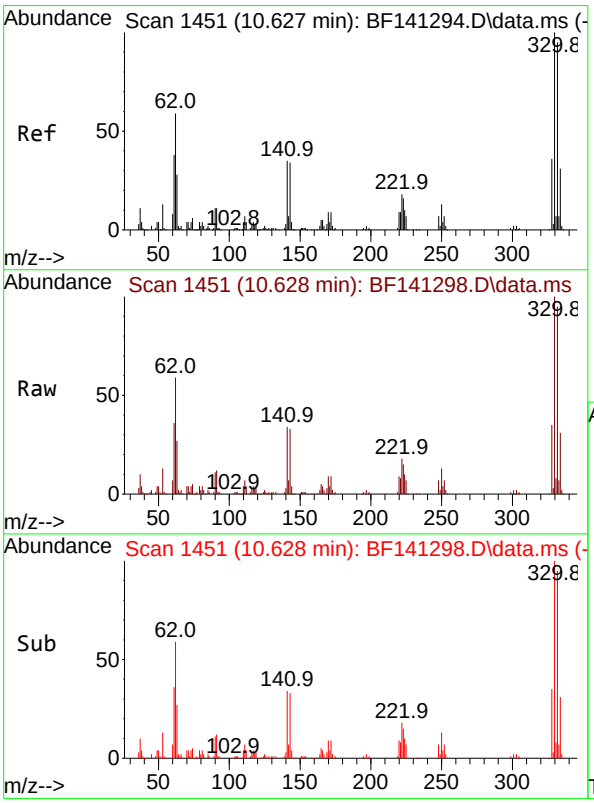
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 64.9 | 42.9 | 82.9 |
| 272 | 13.1 | 0.0 | 32.8 |

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

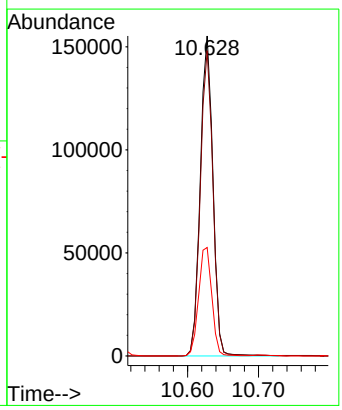


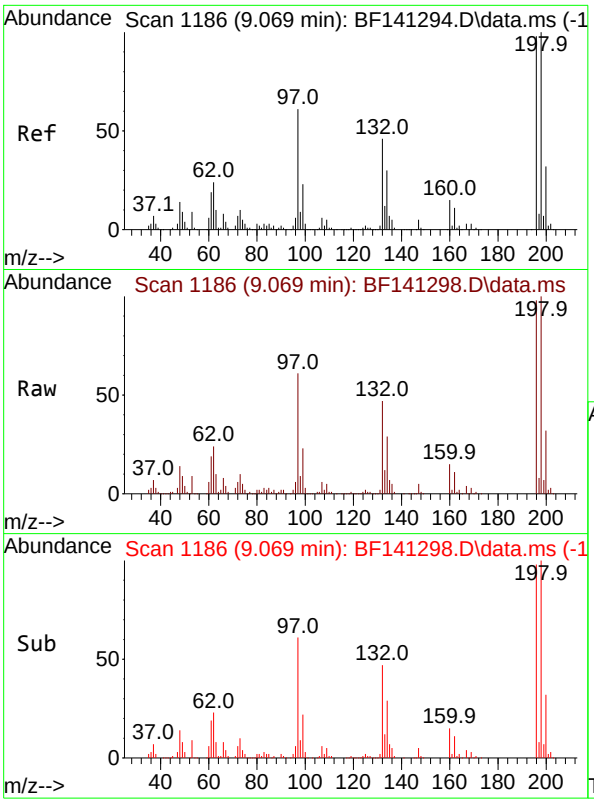




#42
2,4,6-Tribromophenol
Concen: 75.161 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:330 Resp: 192773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.5 | 76.1 | 114.1 |
| 141 | 35.5 | 28.8 | 43.2 |

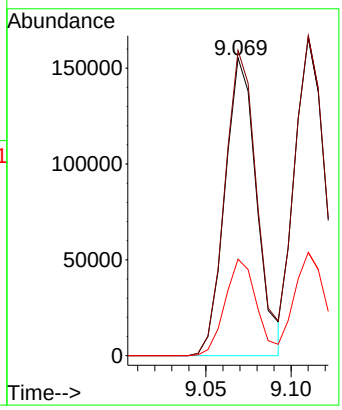





#43
2,4,6-Trichlorophenol
Concen: 38.625 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:196 Resp: 20121

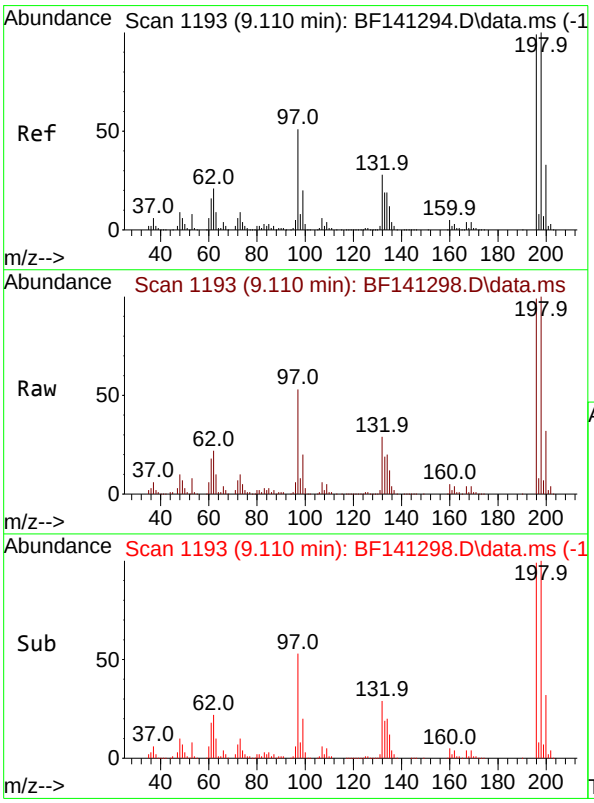
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 102.5 | 81.8 | 122.6 |
| 200 | 32.4 | 26.3 | 39.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

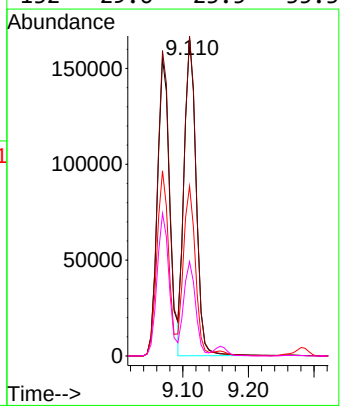
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

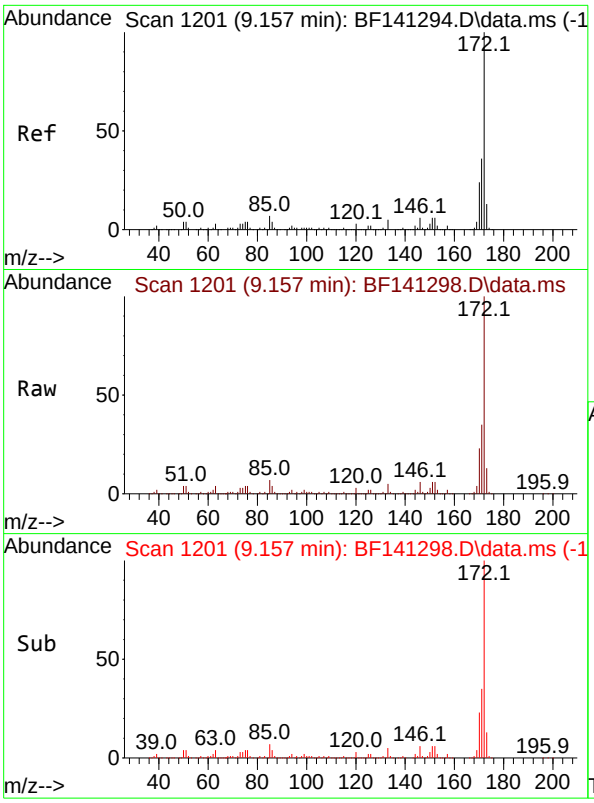



#44
2,4,5-Trichlorophenol
Concen: 36.969 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:196 Resp: 209611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.6 | 80.5 | 120.7 |
| 97 | 53.3 | 42.8 | 64.2 |
| 132 | 29.6 | 23.5 | 35.3 |

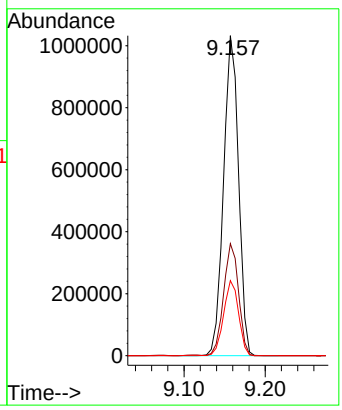





#45
2-Fluorobiphenyl
Concen: 72.938 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:172 Resp: 132572

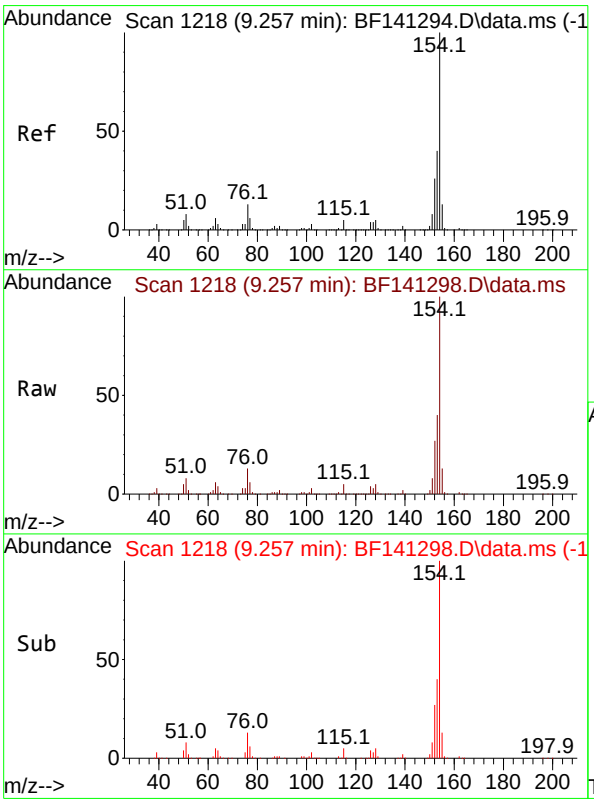
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.0 | 28.8 | 43.2 |
| 170 | 23.4 | 19.0 | 28.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

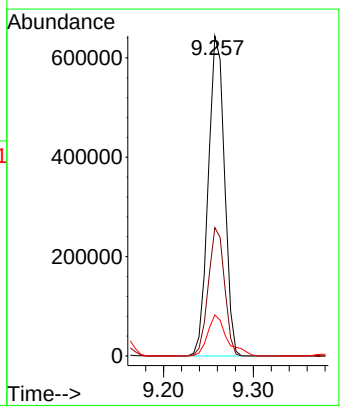
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

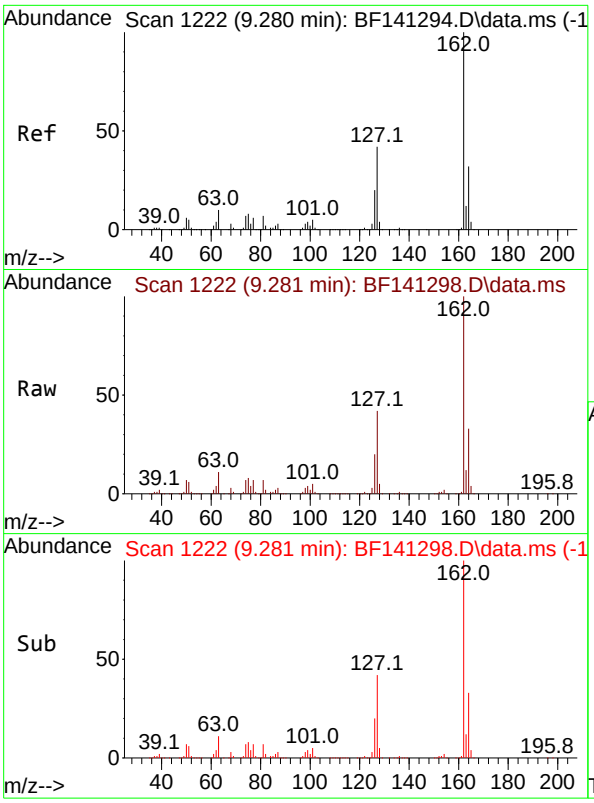



#46
1,1'-Biphenyl
Concen: 37.111 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:154 Resp: 809694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.1 | 20.0 | 60.0 |
| 76 | 12.8 | 0.0 | 32.8 |

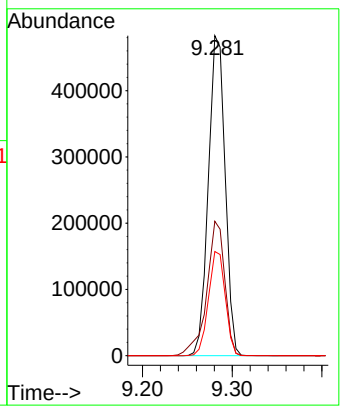





#47
2-Chloronaphthalene
Concen: 36.837 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:162 Resp: 62645

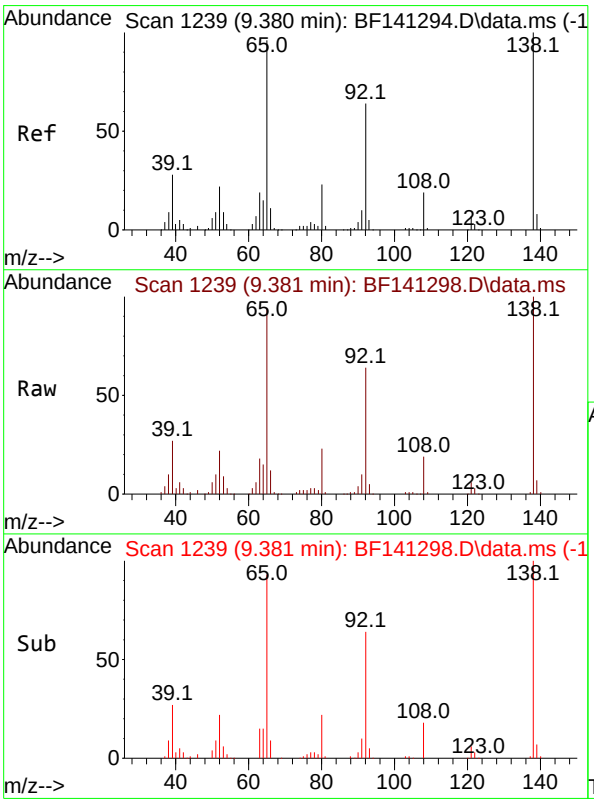
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.0 | 33.7 | 50.5 |
| 164 | 32.5 | 25.9 | 38.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

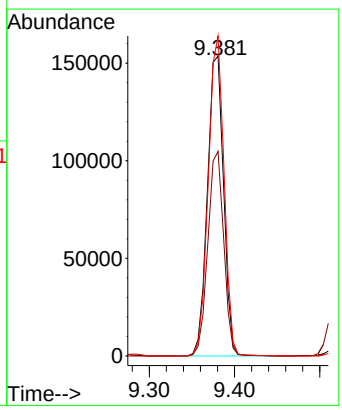
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

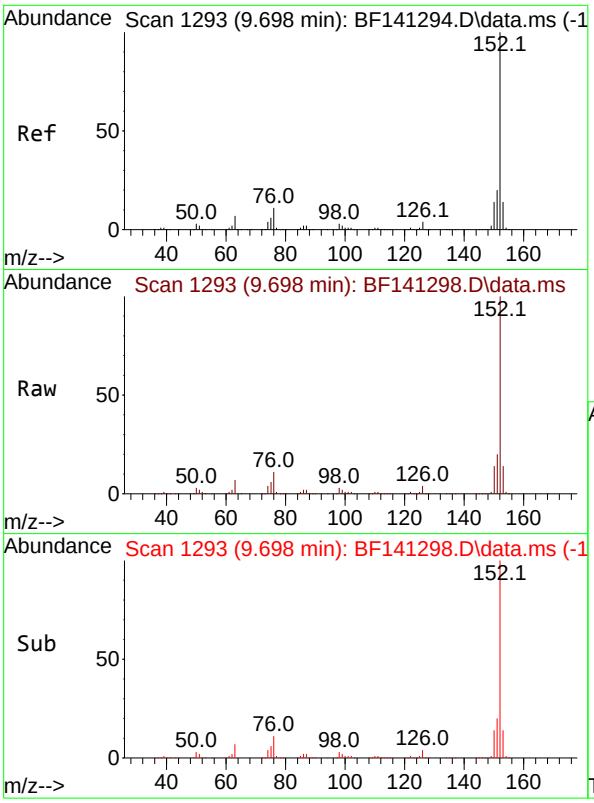



#48
2-Nitroaniline
Concen: 37.970 ng
RT: 9.381 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 65 Resp: 203104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 68.1 | 53.3 | 79.9 |
| 138 | 106.7 | 83.6 | 125.4 |

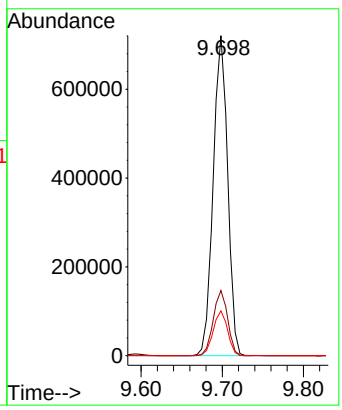





#49
Acenaphthylene
Concen: 37.416 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:152 Resp: 89070

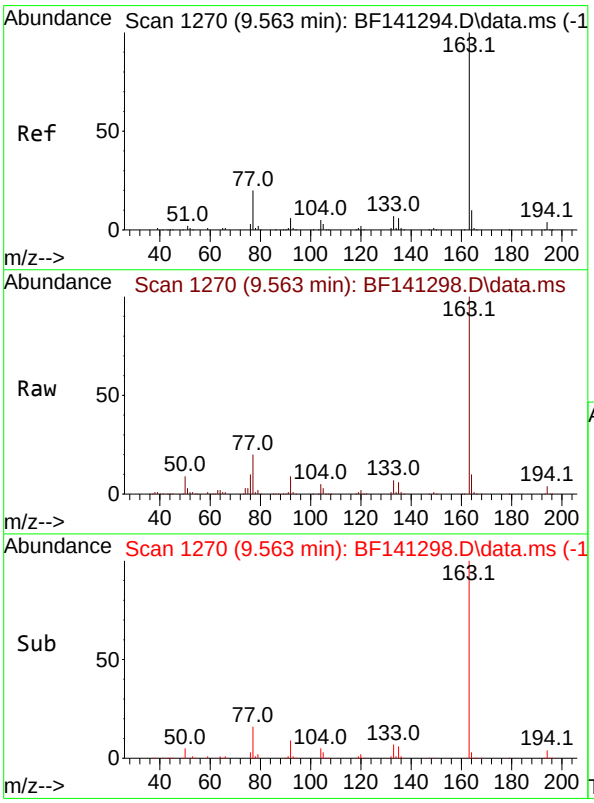
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.2 | 24.2 |
| 153 | 14.0 | 11.0 | 16.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

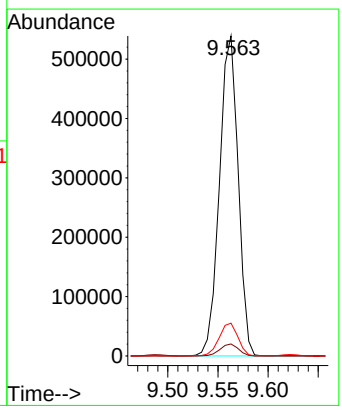
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

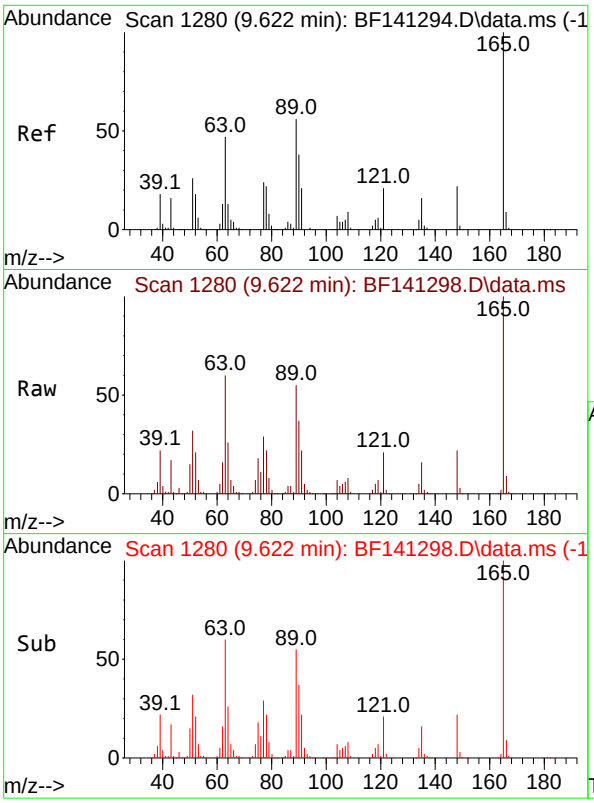



#50
Dimethylphthalate
Concen: 36.904 ng
RT: 9.563 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:163 Resp: 697300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.6 |
| 164 | 10.2 | 8.0 | 12.0 |

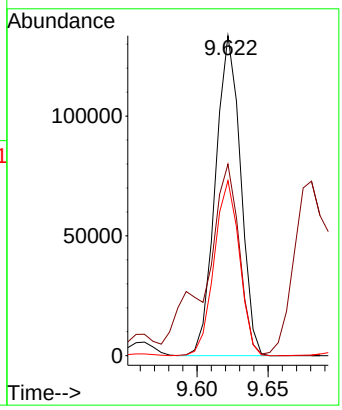





#51
2,6-Dinitrotoluene
Concen: 37.459 ng
RT: 9.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:165 Resp: 16434

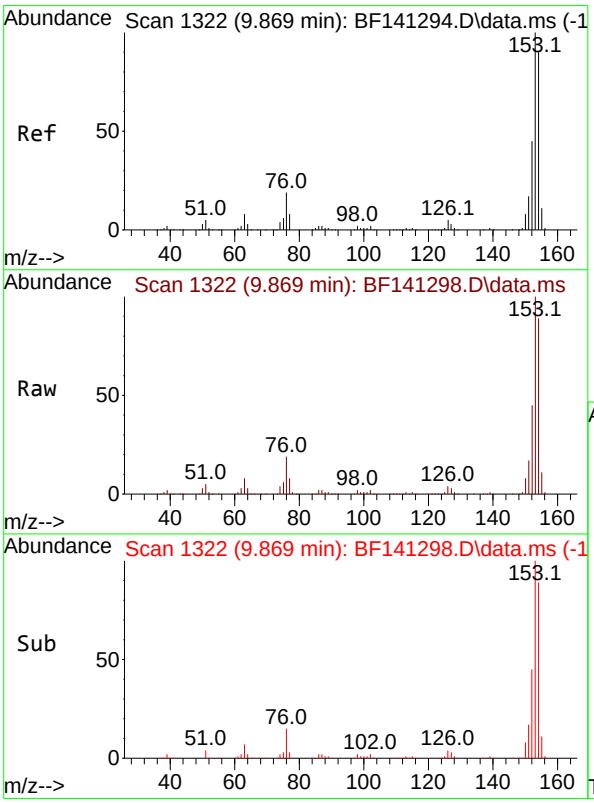
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 59.9 | 48.1 | 72.1 |
| 89 | 54.7 | 44.9 | 67.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

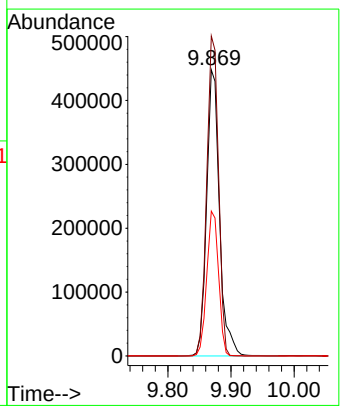
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

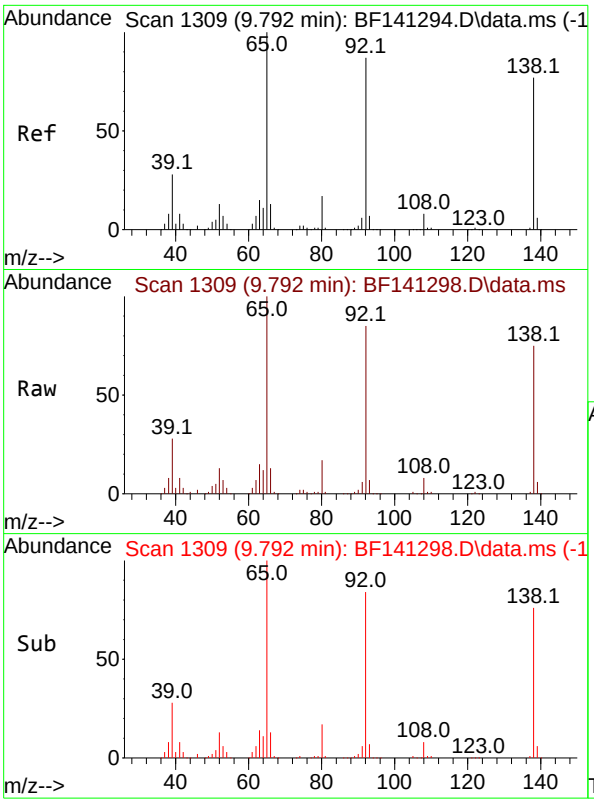



#52
Acenaphthene
Concen: 37.206 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:154 Resp: 632756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.8 | 89.0 | 133.4 |
| 152 | 50.6 | 40.2 | 60.4 |






#53
3-Nitroaniline
Concen: 38.150 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

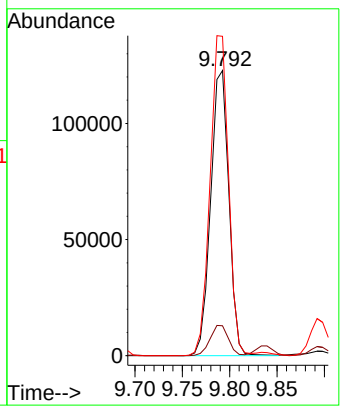
Tgt Ion:138 Resp: 16404

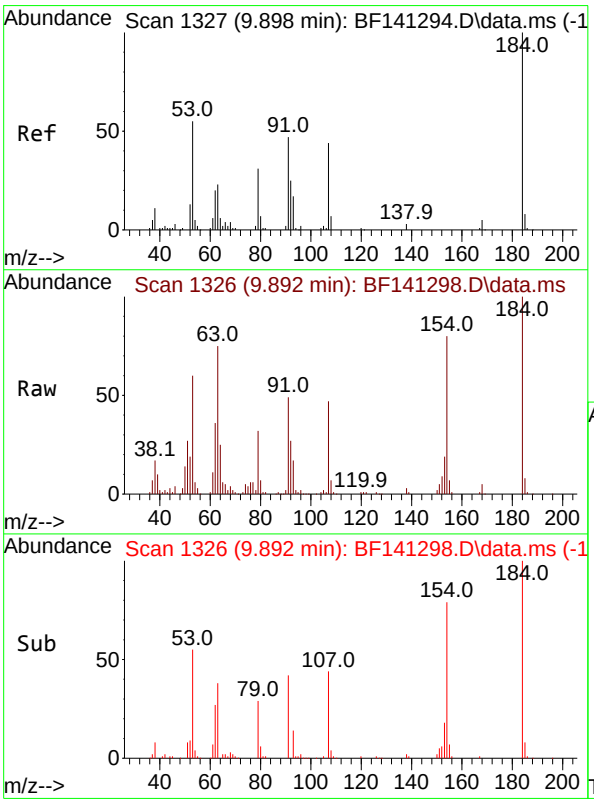
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.5 | 8.6 | 12.8 |
| 92 | 112.1 | 91.0 | 136.6 |

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

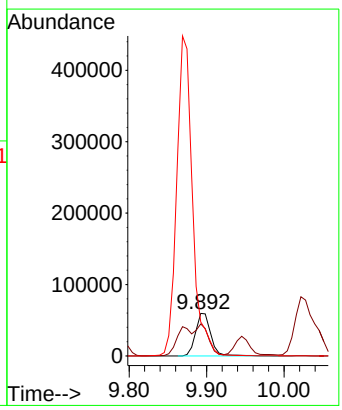


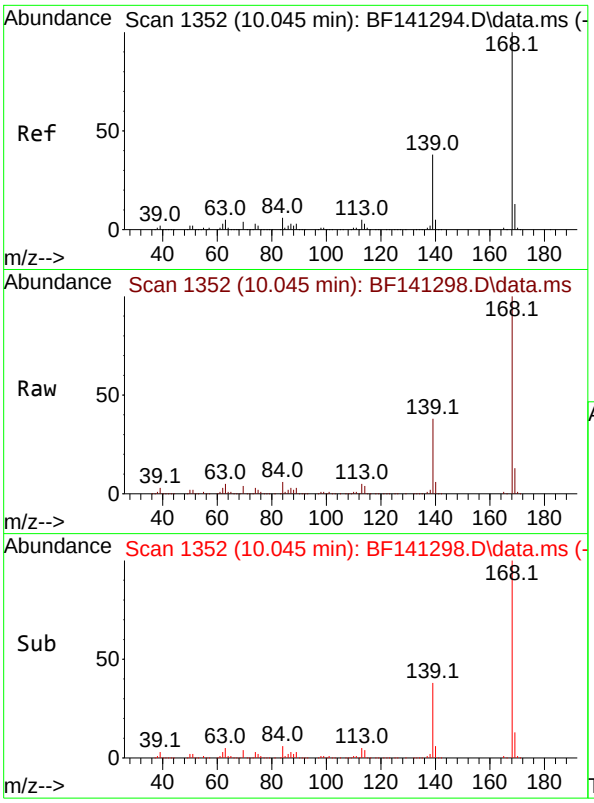




#54
2,4-Dinitrophenol
Concen: 39.734 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:184 Resp: 81034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 75.3 | 54.1 | 81.1 |
| 154 | 79.6 | 50.7 | 76.1# |

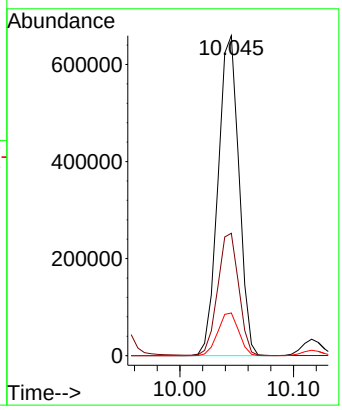





#55
Dibenzofuran
Concen: 37.012 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:168 Resp: 84255

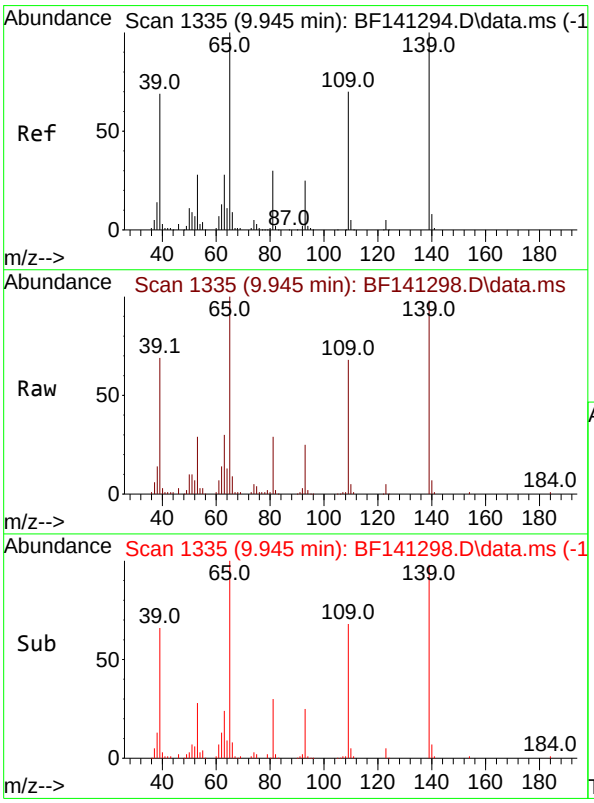
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.2 | 30.6 | 46.0 |
| 169 | 13.4 | 10.8 | 16.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

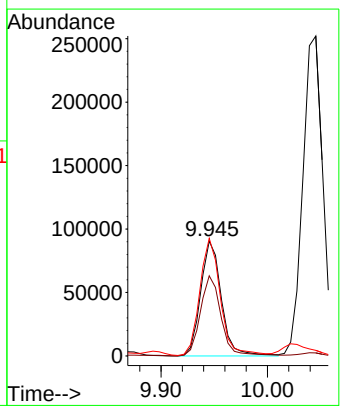
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

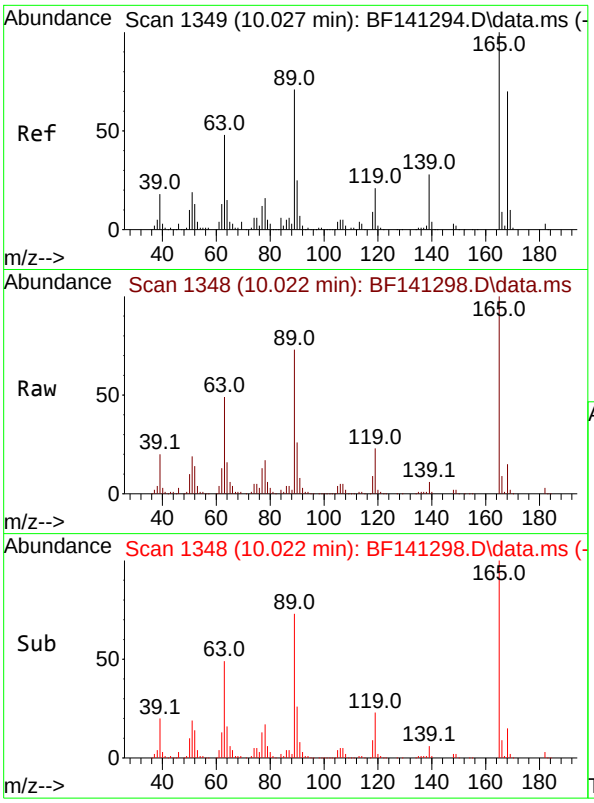



#56
4-Nitrophenol
Concen: 39.089 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:139 Resp: 122925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 69.7 | 50.2 | 90.2 |
| 65 | 102.4 | 80.6 | 120.6 |

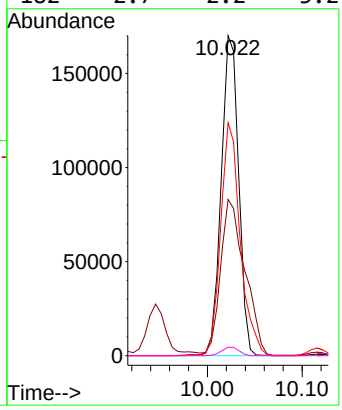





#57
2,4-Dinitrotoluene
Concen: 38.327 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:165 Resp: 21770

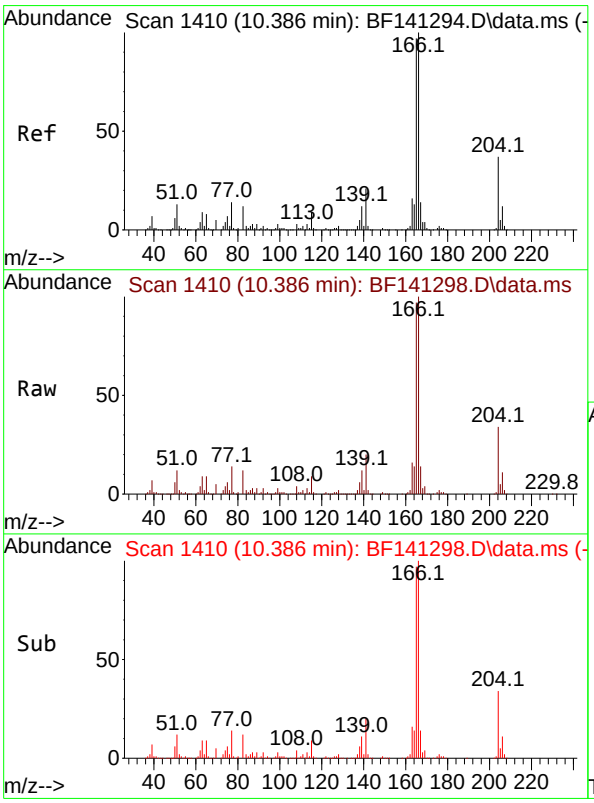
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 48.8 | 39.2 | 58.8 |
| 89 | 72.8 | 56.9 | 85.3 |
| 182 | 2.7 | 2.2 | 3.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

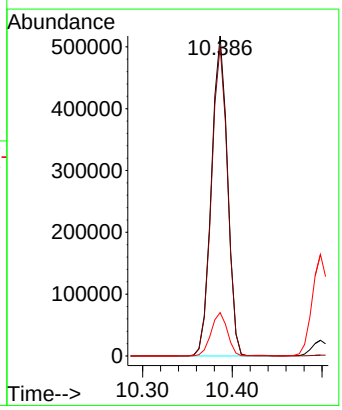
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

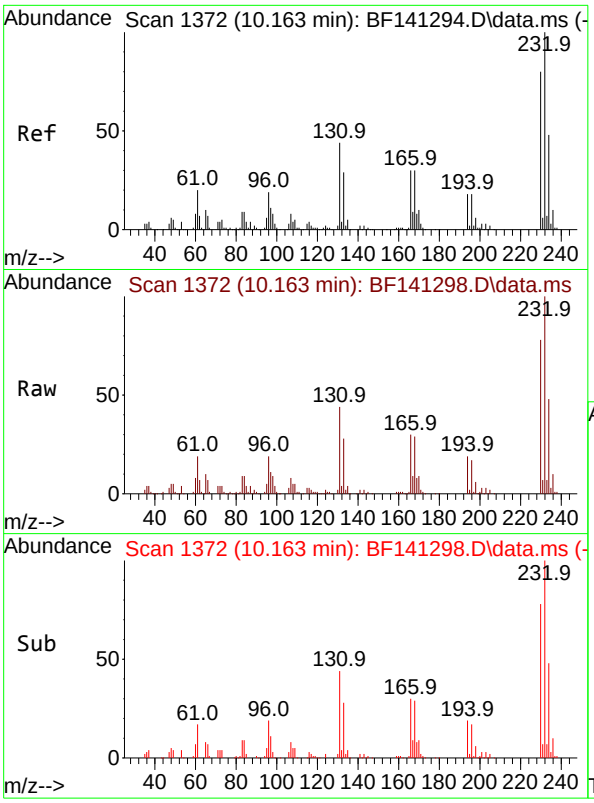



#58
Fluorene
Concen: 36.451 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:166 Resp: 643639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.9 | 77.5 | 116.3 |
| 167 | 13.6 | 10.9 | 16.3 |

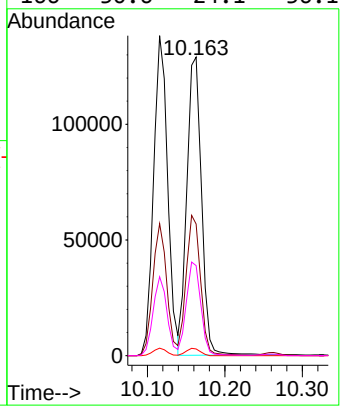





#59
2,3,4,6-Tetrachlorophenol
Concen: 37.902 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:232 Resp: 16906

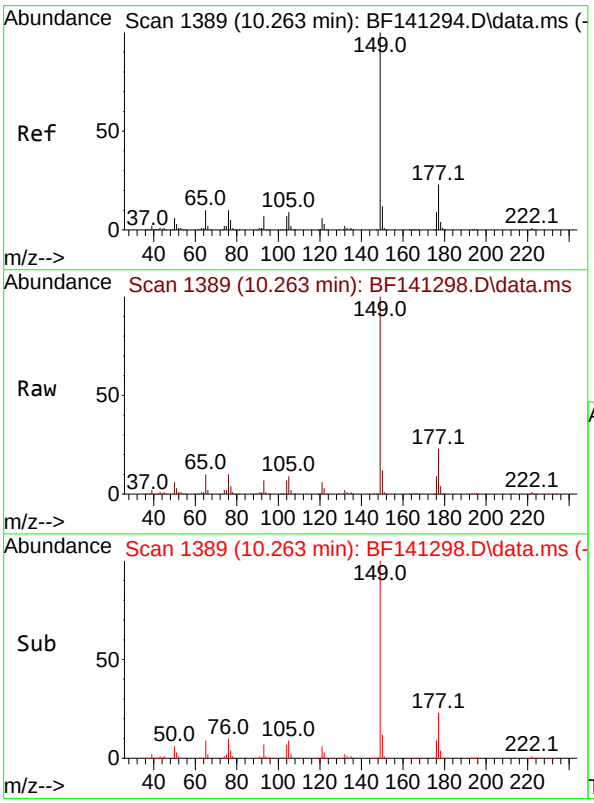
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.5 | 36.4 | 54.6 |
| 130 | 2.4 | 1.9 | 2.9 |
| 166 | 30.6 | 24.1 | 36.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

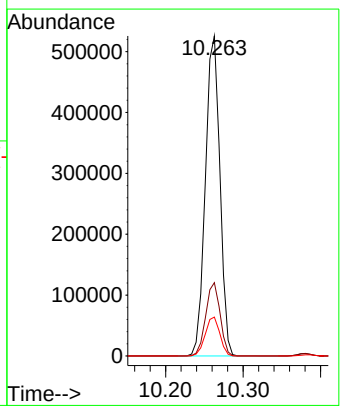
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

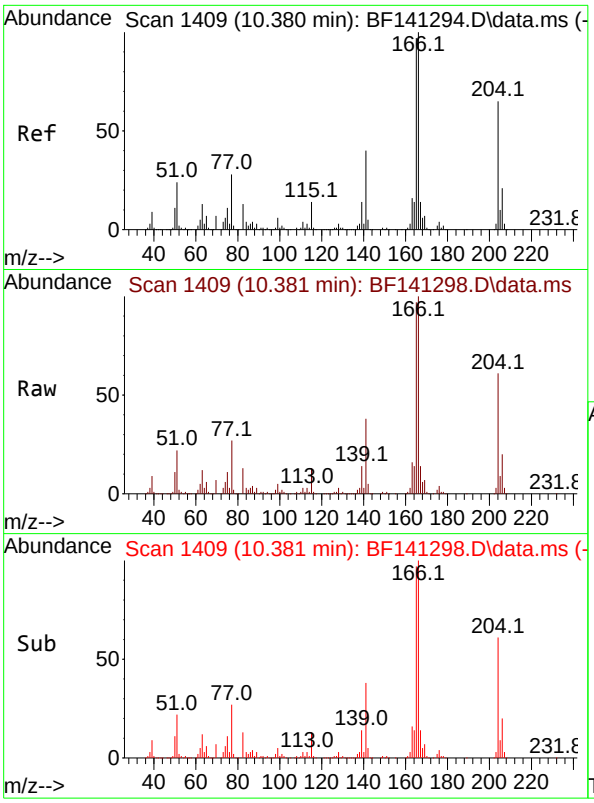



#60
Diethylphthalate
Concen: 37.316 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 683674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.9 | 18.5 | 27.7 |
| 150 | 12.1 | 10.0 | 15.0 |






#61
4-Chlorophenyl-phenylether
Concen: 36.180 ng
RT: 10.381 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

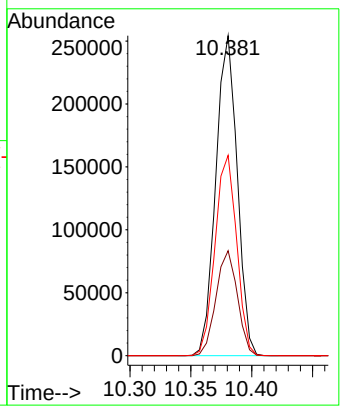
Tgt Ion:204 Resp: 31206

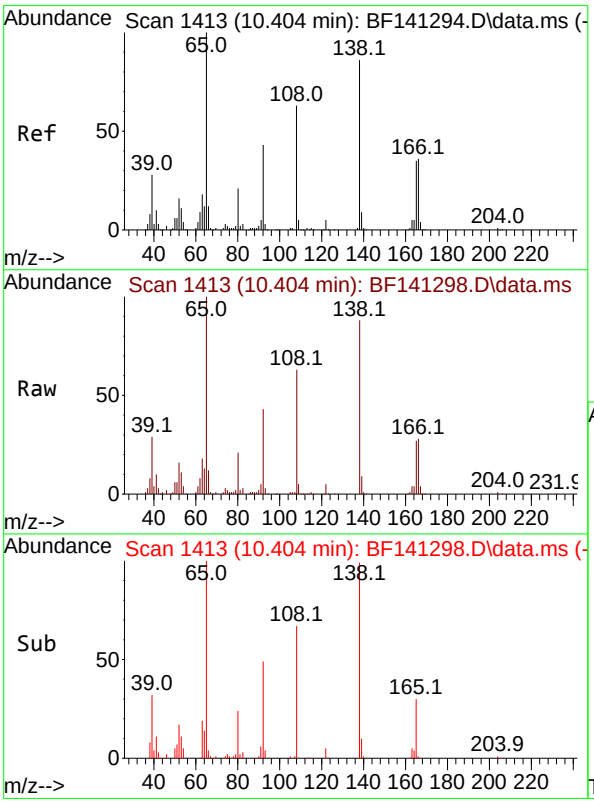
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.8 | 25.9 | 38.9 |
| 141 | 62.6 | 49.5 | 74.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

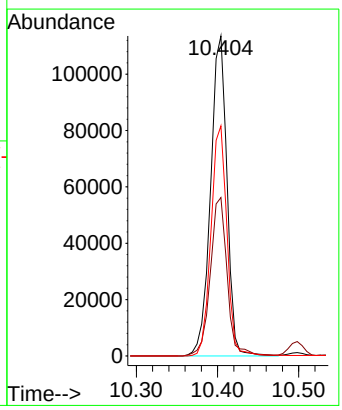


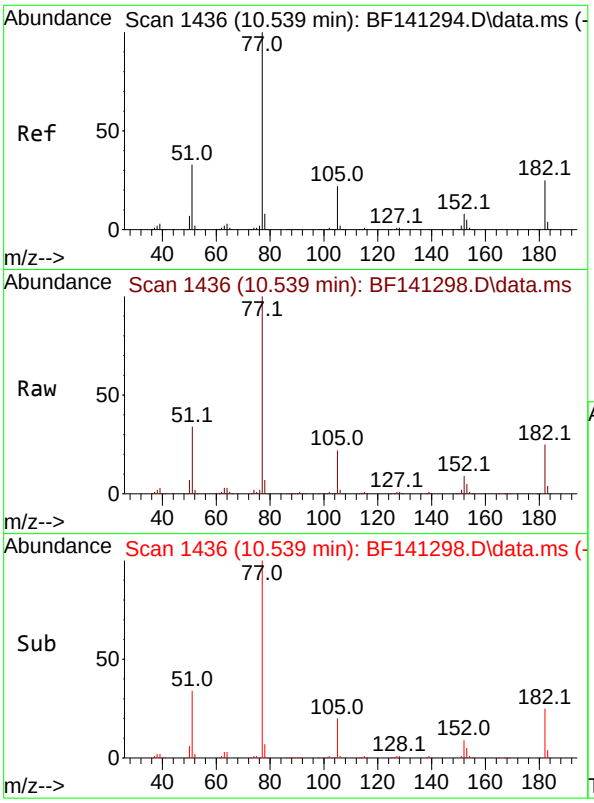




#62
4-Nitroaniline
Concen: 37.665 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:138 Resp: 159227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.5 | 30.1 | 70.1 |
| 108 | 71.9 | 53.1 | 93.1 |






#63
Azobenzene
Concen: 37.020 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

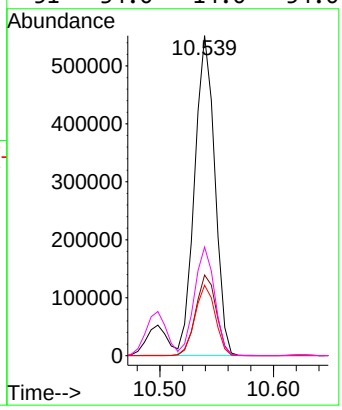
**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

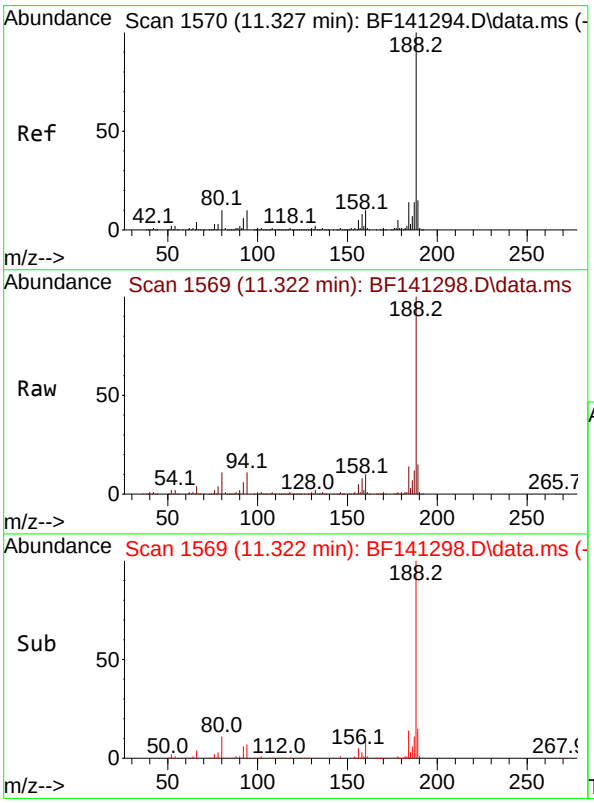
Tgt Ion: 77 Resp: 67890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.2 | 5.1 | 45.1 |
| 105 | 22.0 | 1.8 | 41.8 |
| 51 | 34.0 | 14.0 | 54.0 |

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

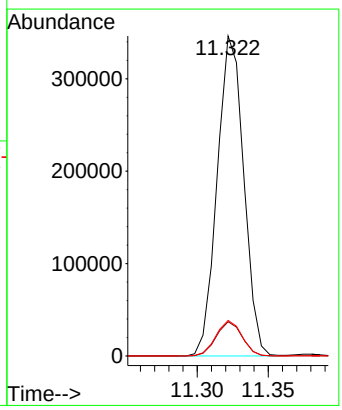


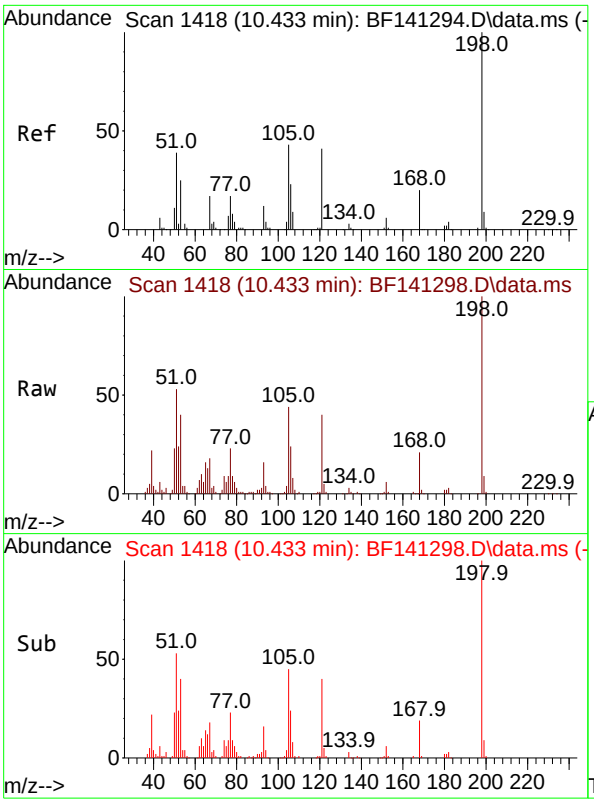




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:188 Resp: 450291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.7 | 7.8 | 11.6 |
| 80 | 11.1 | 8.2 | 12.4 |






#65
4,6-Dinitro-2-methylphenol
Concen: 41.913 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

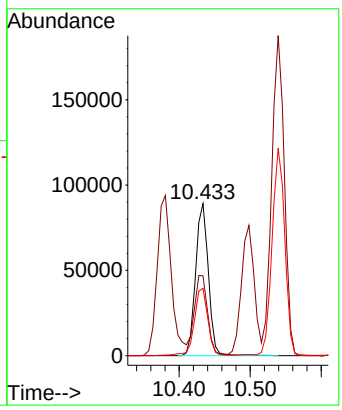
Tgt Ion:198 Resp: 11163

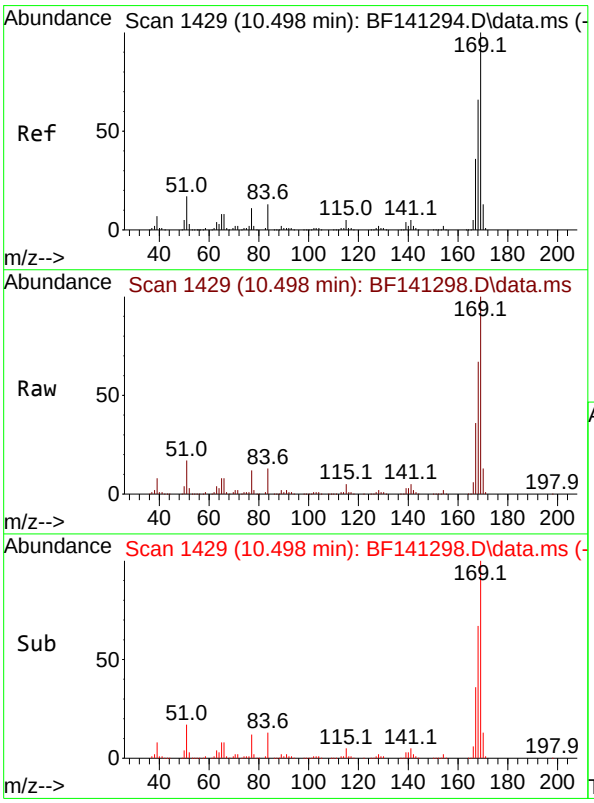
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 52.5 | 33.4 | 73.4 |
| 105 | 44.4 | 24.4 | 64.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

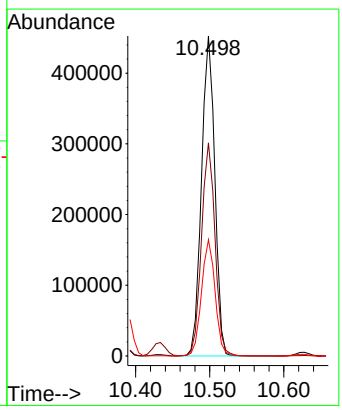


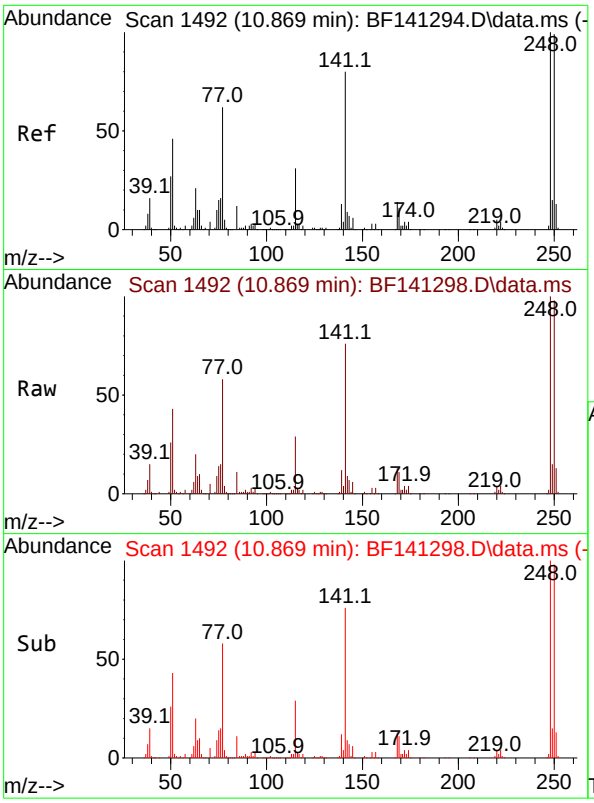




#66
n-Nitrosodiphenylamine
Concen: 38.757 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:169 Resp: 564452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.6 | 53.0 | 79.4 |
| 167 | 36.3 | 28.8 | 43.2 |






#67
4-Bromophenyl-phenylether
Concen: 39.477 ng
RT: 10.869 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

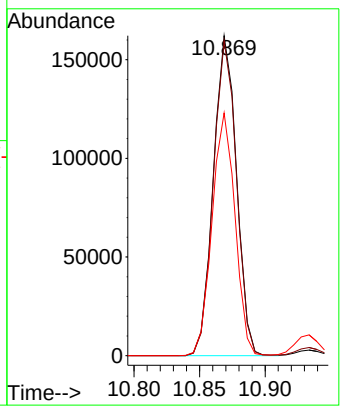
**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

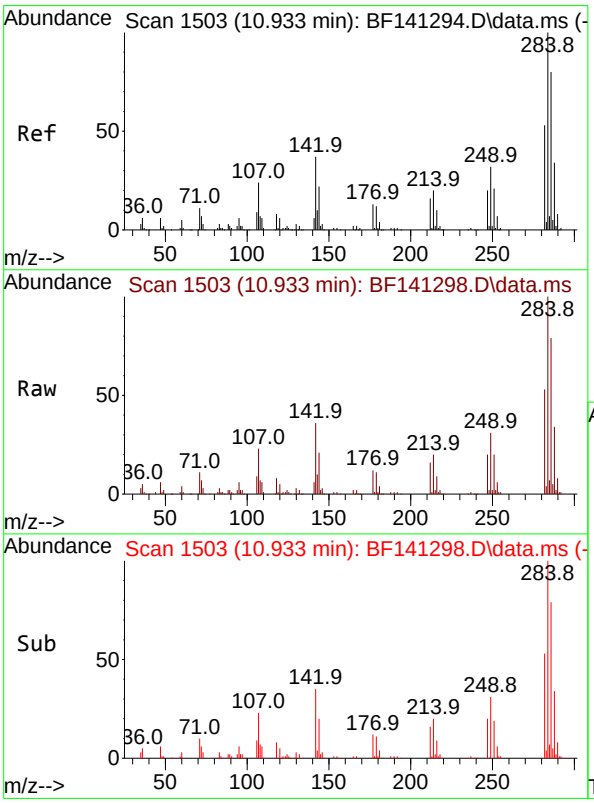
Tgt Ion:248 Resp: 199009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.4 | 79.0 | 118.4 |
| 141 | 75.9 | 63.7 | 95.5 |

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

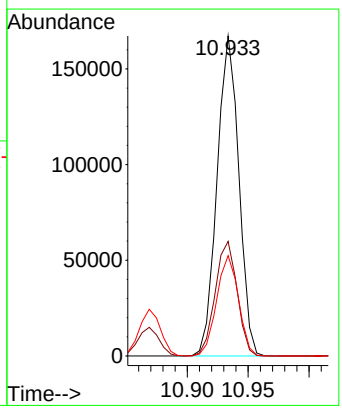


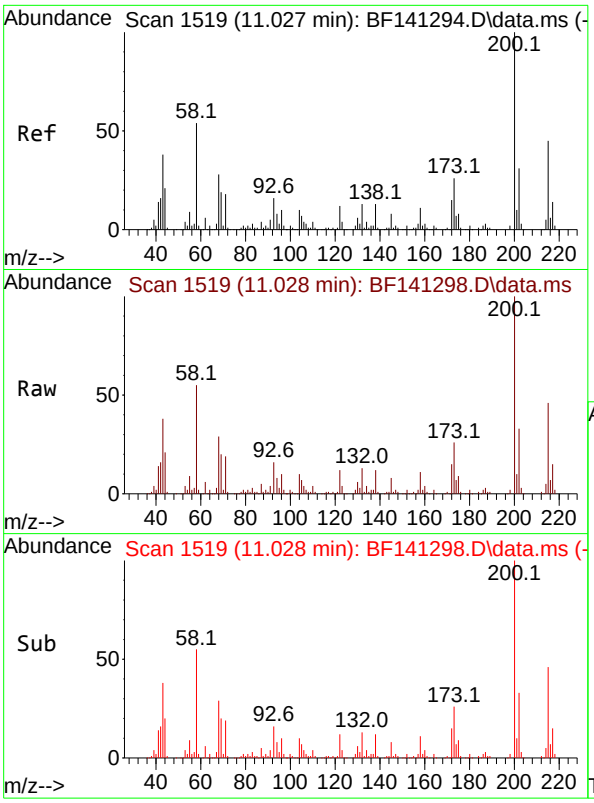




#68
Hexachlorobenzene
Concen: 38.929 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:284 Resp: 208171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 35.8 | 29.5 | 44.3 |
| 249 | 31.3 | 25.4 | 38.2 |

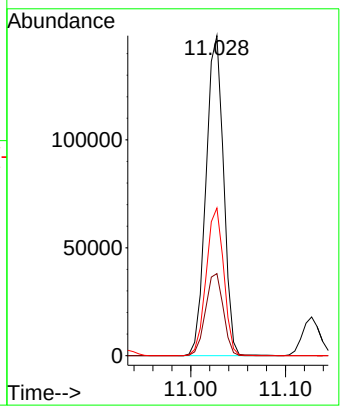





#69
Atrazine
Concen: 39.215 ng
RT: 11.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:200 Resp: 19095

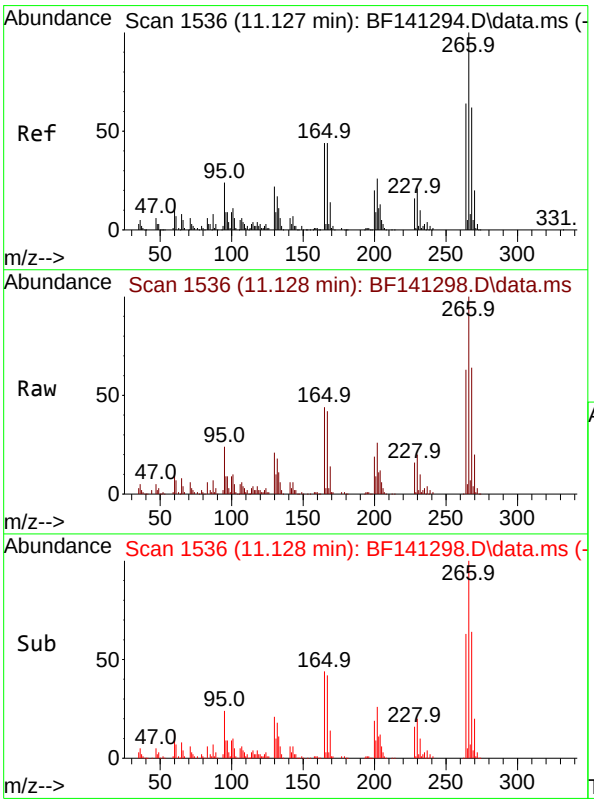
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.7 | 5.9 | 45.9 |
| 215 | 46.1 | 25.2 | 65.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

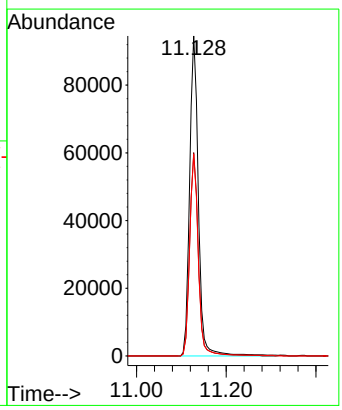
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

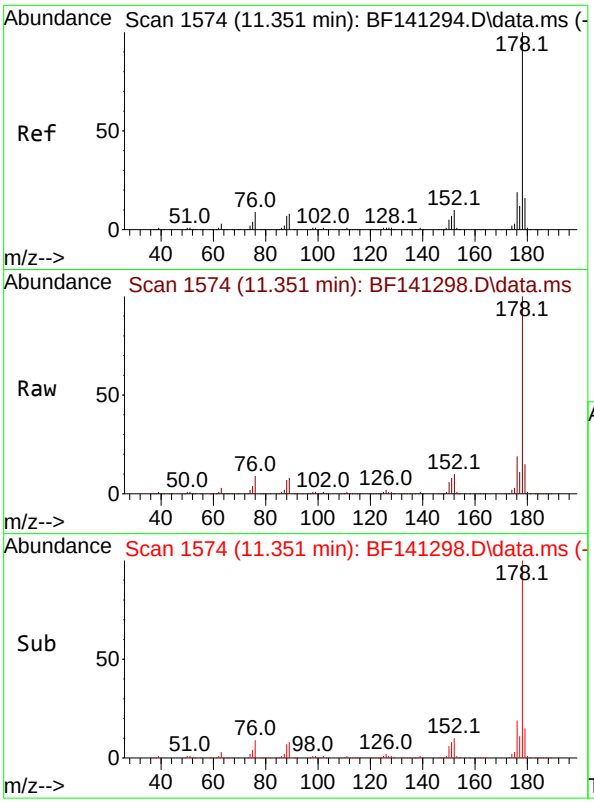



#70
Pentachlorophenol
Concen: 40.973 ng
RT: 11.128 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:266 Resp: 128300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.6 | 49.9 | 74.9 |
| 264 | 63.0 | 51.0 | 76.4 |

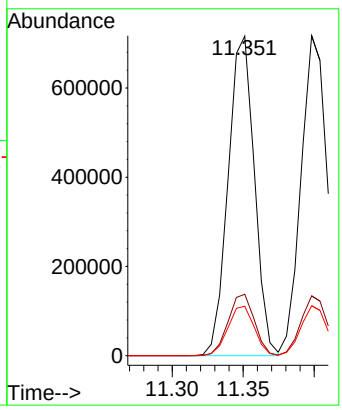





#71
Phenanthrene
Concen: 38.117 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:178 Resp: 92262

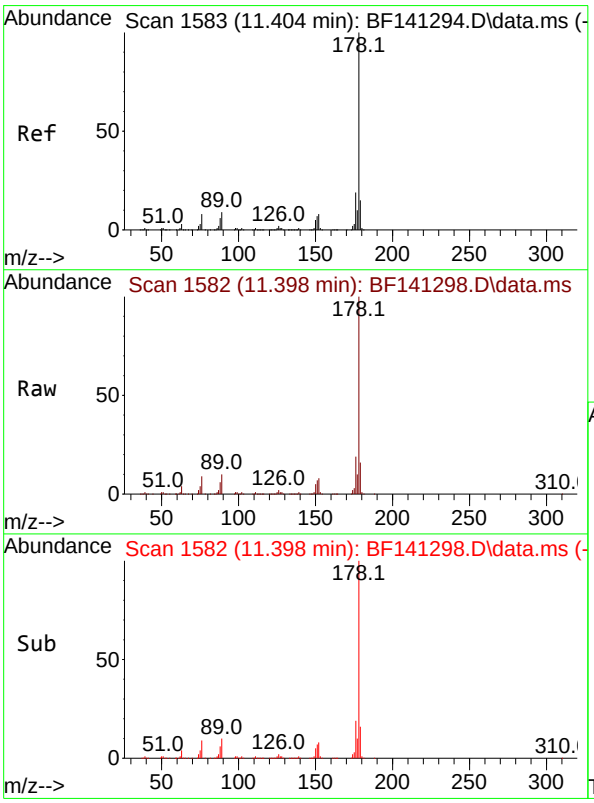
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.3 | 22.9 |
| 179 | 15.5 | 12.5 | 18.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

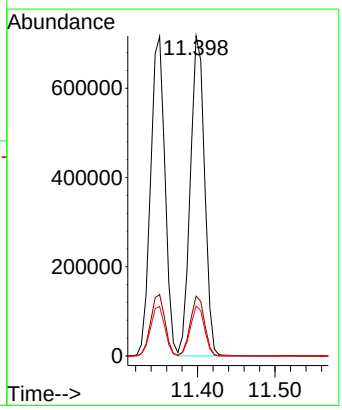
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

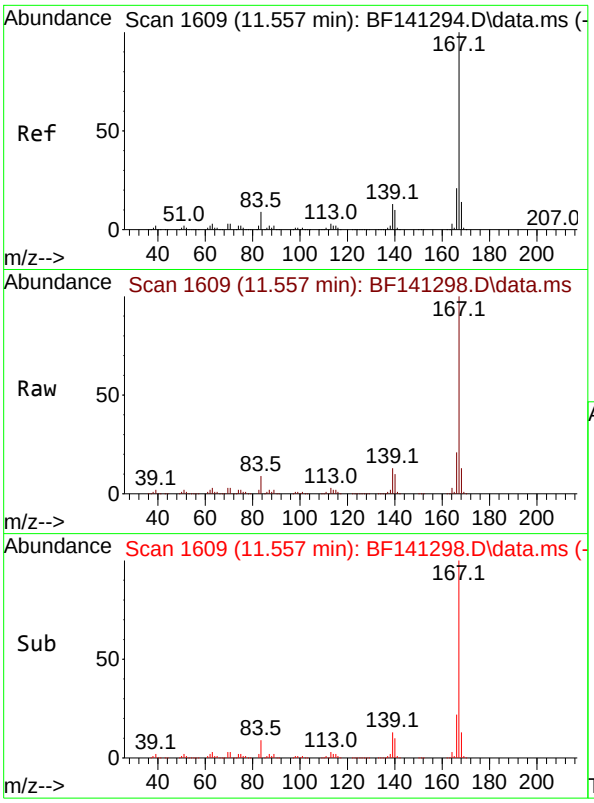



#72
Anthracene
Concen: 38.484 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:178 Resp: 912703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.0 | 22.6 |
| 179 | 15.6 | 12.3 | 18.5 |

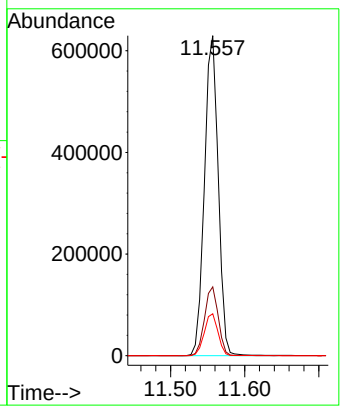





#73
Carbazole
Concen: 38.661 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:167 Resp: 81303

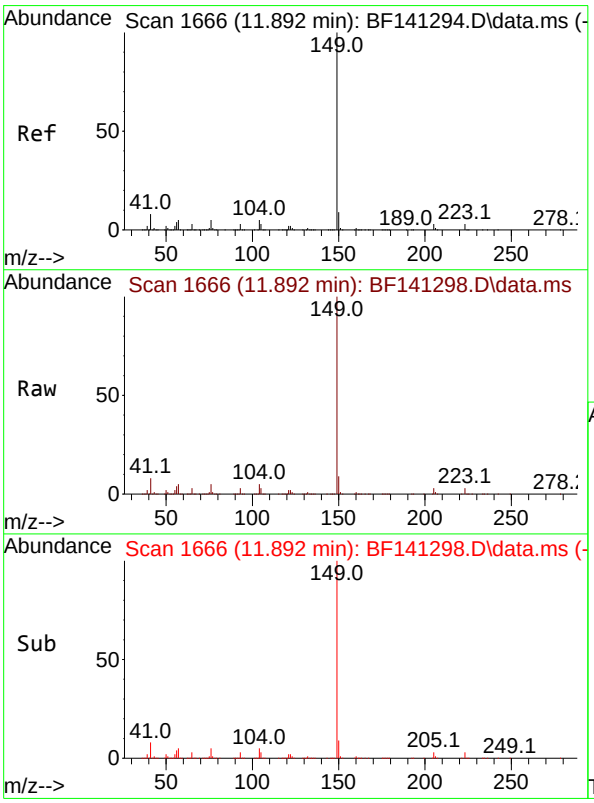
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 17.0 | 25.6 |
| 139 | 13.1 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

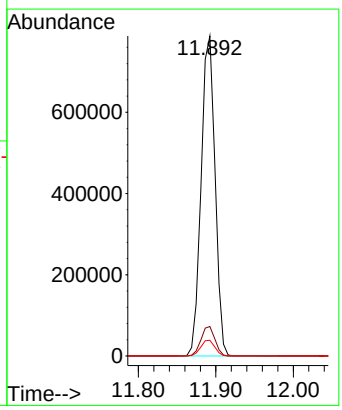
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

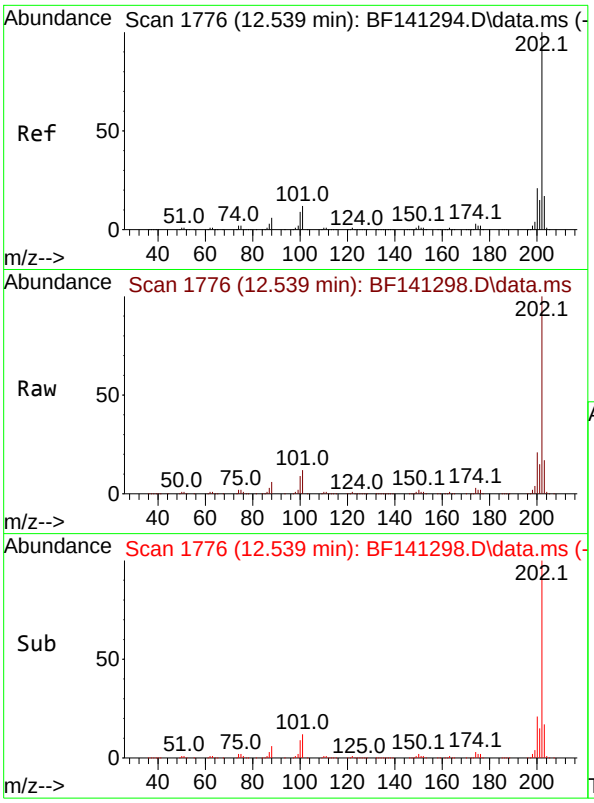



#74
Di-n-butylphthalate
Concen: 38.639 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 984759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.4 | 11.2 |
| 104 | 4.9 | 3.9 | 5.9 |






#75
Fluoranthene
Concen: 37.768 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

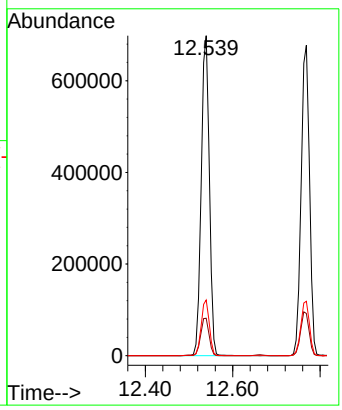
Tgt Ion:202 Resp: 90263

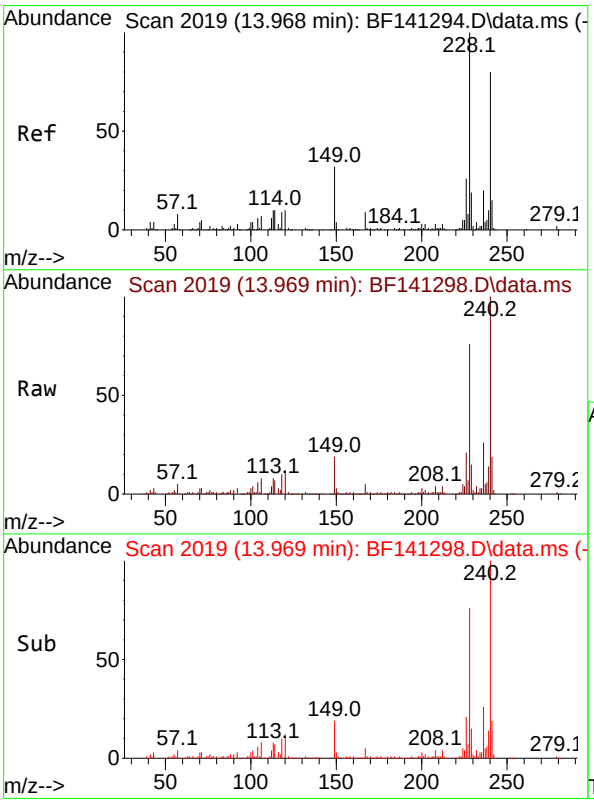
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.7 | 0.0 | 31.7 |
| 203 | 17.4 | 0.0 | 37.5 |

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

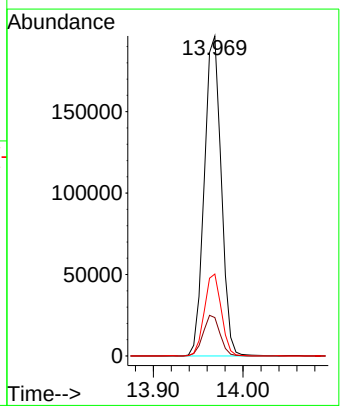


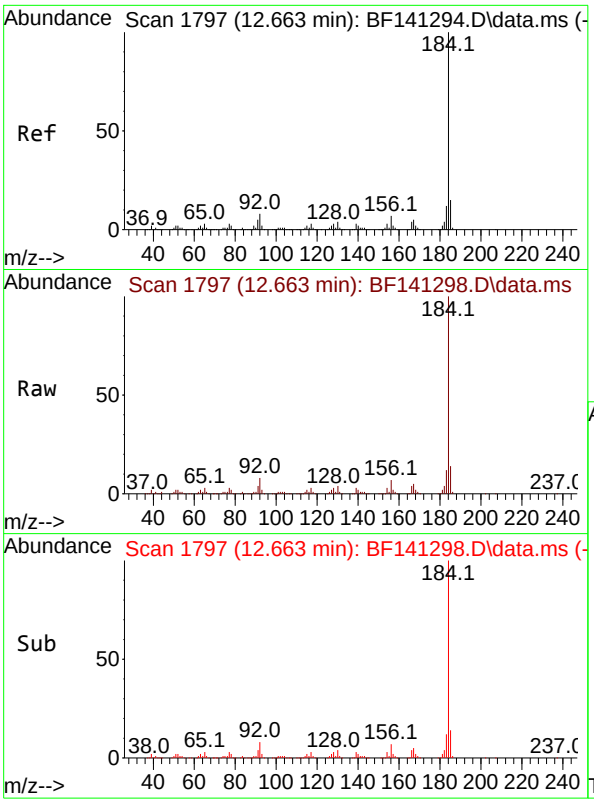




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:240 Resp: 257177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.0 | 10.0 | 15.0 |
| 236 | 25.6 | 19.7 | 29.5 |

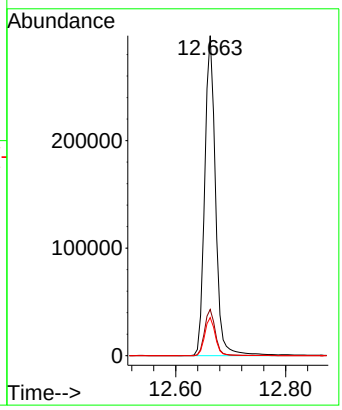





#77
Benzidine
Concen: 49.142 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:184 Resp: 40516

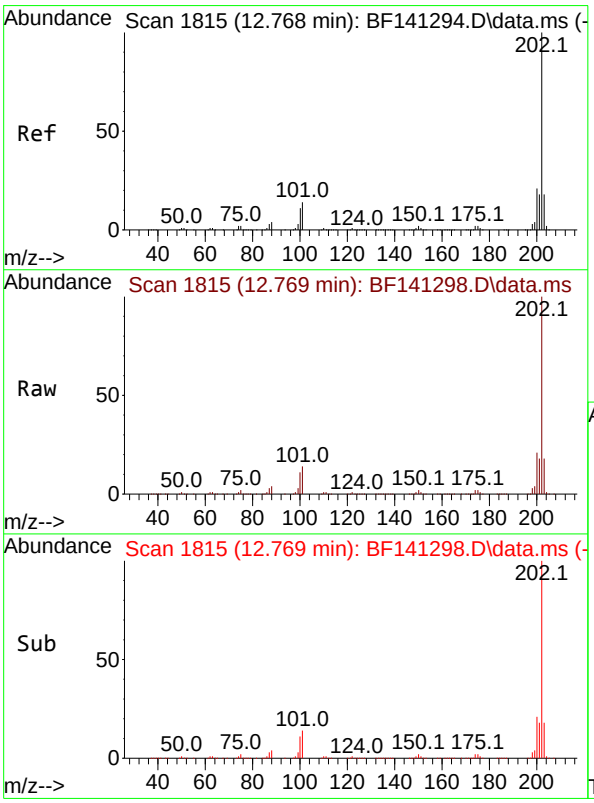
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.5 | 11.9 | 17.9 |
| 183 | 11.9 | 9.5 | 14.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

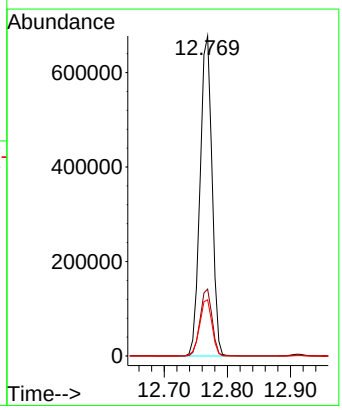
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

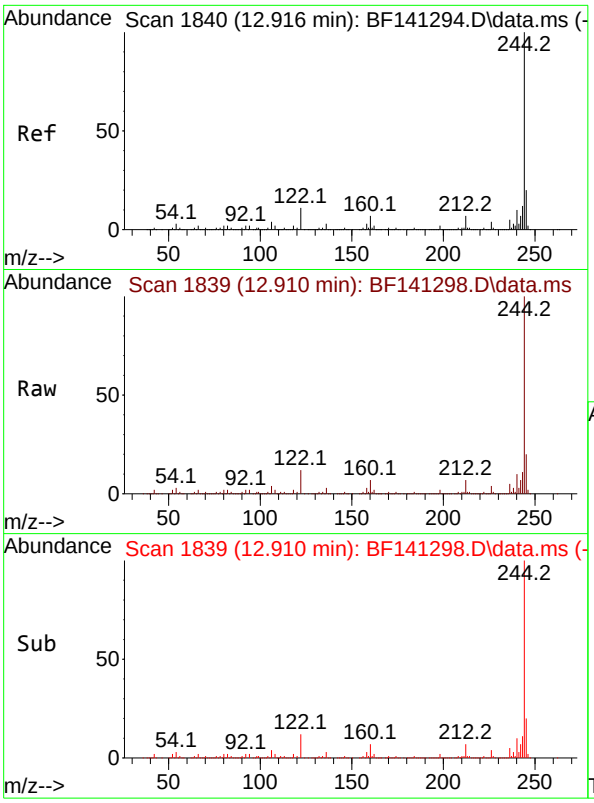



#78
Pyrene
Concen: 36.225 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:202 Resp: 894269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.9 | 17.0 | 25.4 |
| 203 | 17.5 | 14.3 | 21.5 |

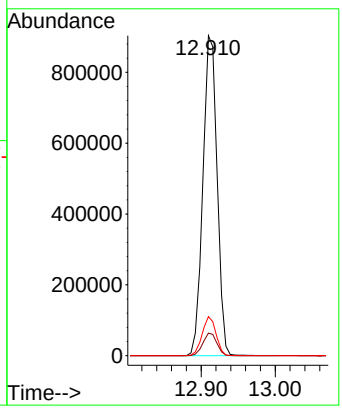





#79
Terphenyl-d14
Concen: 72.460 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:244 Resp: 120835

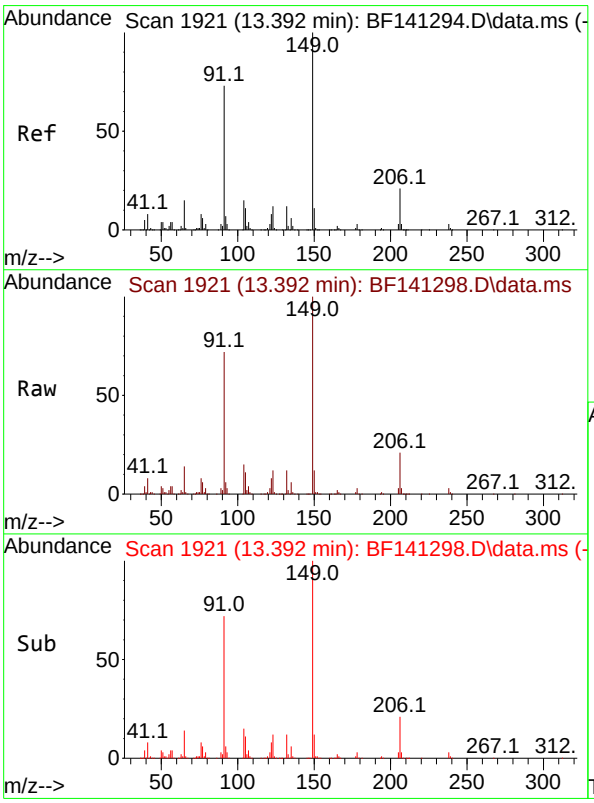
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.4 | 8.0 |
| 122 | 12.2 | 8.8 | 13.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

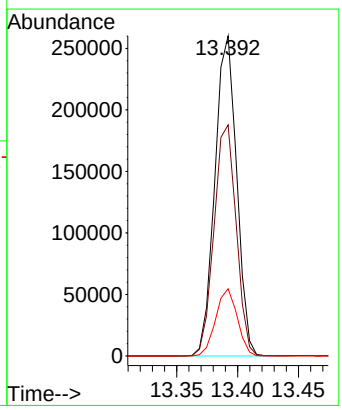
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

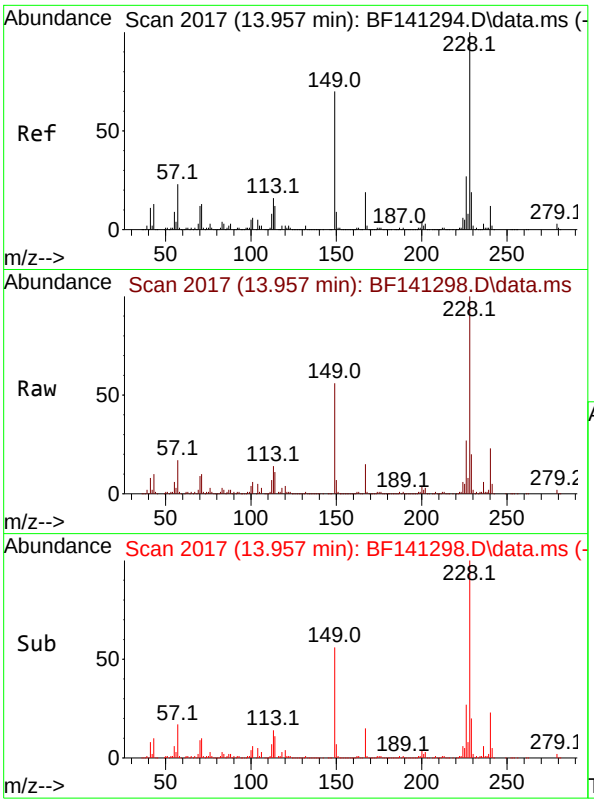



#80
Butylbenzylphthalate
Concen: 37.660 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 324793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.2 | 58.6 | 87.8 |
| 206 | 21.0 | 16.7 | 25.1 |

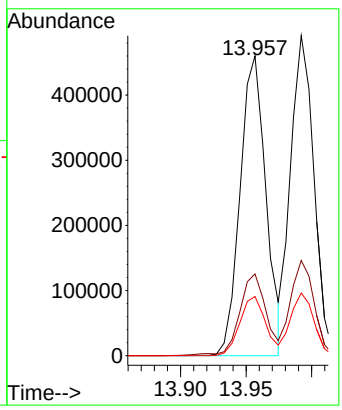





#81
Benzo(a)anthracene
Concen: 35.587 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:228 Resp: 63155

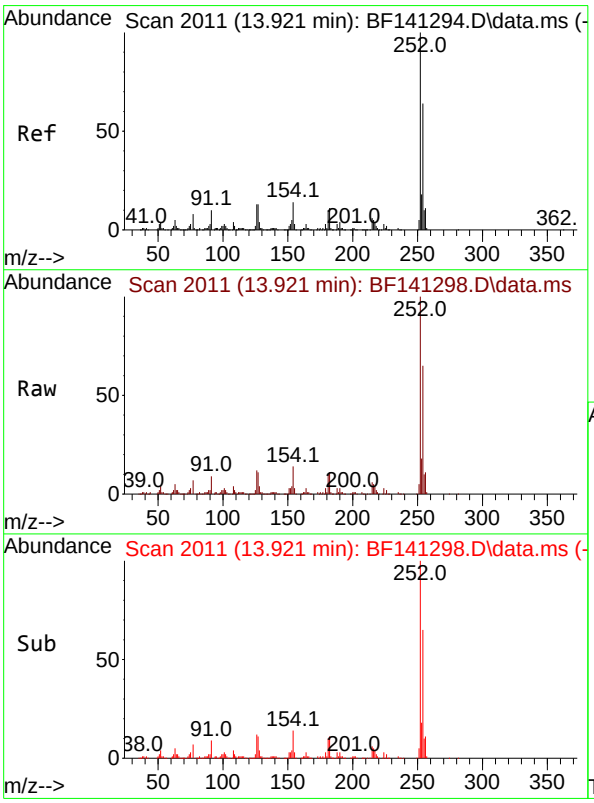
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 21.4 | 32.2 |
| 229 | 19.7 | 15.5 | 23.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

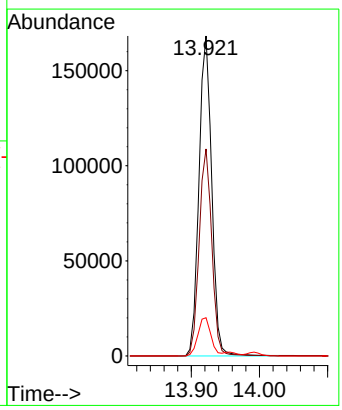
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

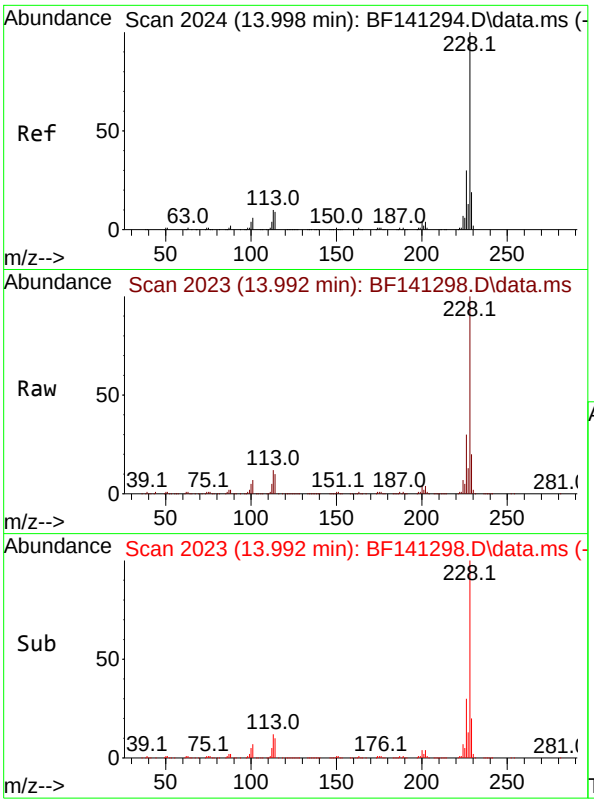



#82
3,3'-Dichlorobenzidine
Concen: 38.774 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:252 Resp: 218850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.7 | 51.3 | 76.9 |
| 126 | 12.0 | 10.0 | 15.0 |

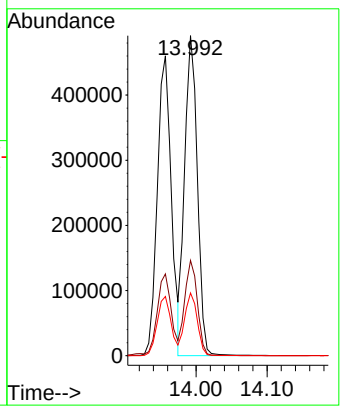





#83
Chrysene
Concen: 37.508 ng
RT: 13.992 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:228 Resp: 61003

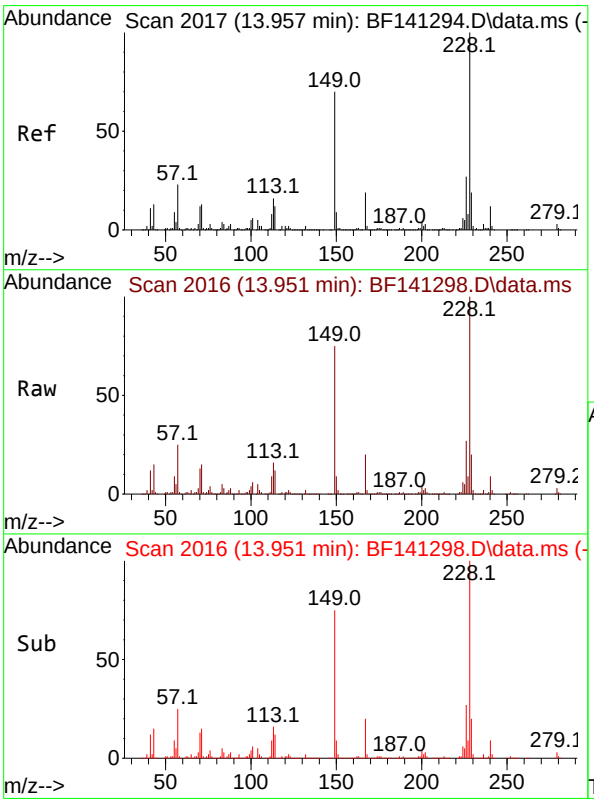
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 24.1 | 36.1 |
| 229 | 19.6 | 15.6 | 23.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

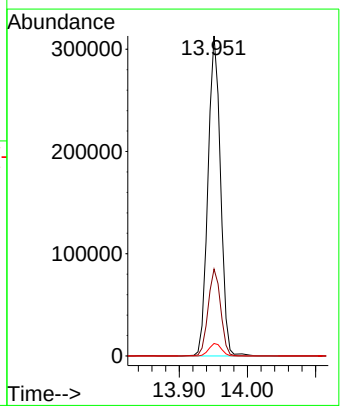
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

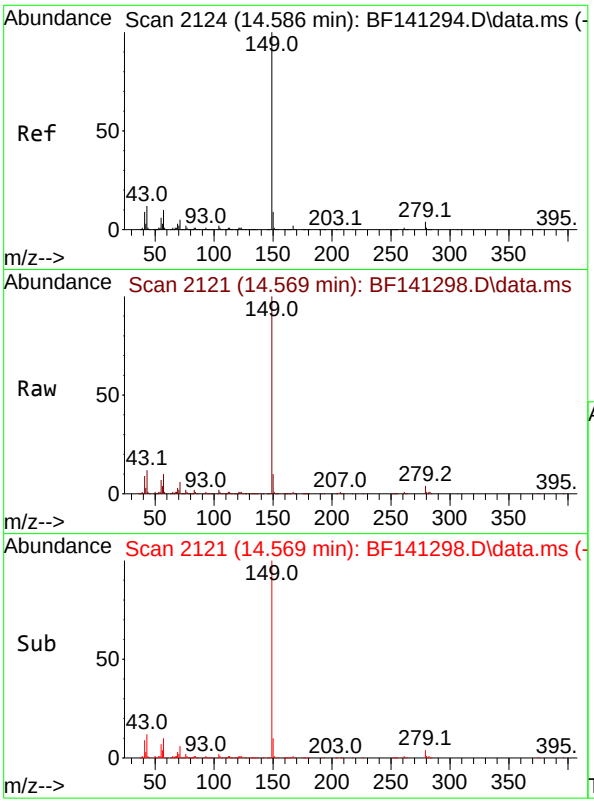



#84
Bis(2-ethylhexyl)phthalate
Concen: 36.620 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 400642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.2 | 21.8 | 32.8 |
| 279 | 3.9 | 3.3 | 4.9 |






#85
Di-n-octyl phthalate
Concen: 37.807 ng
RT: 14.569 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

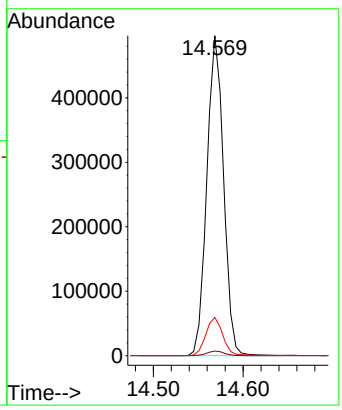
Tgt Ion:149 Resp: 64243

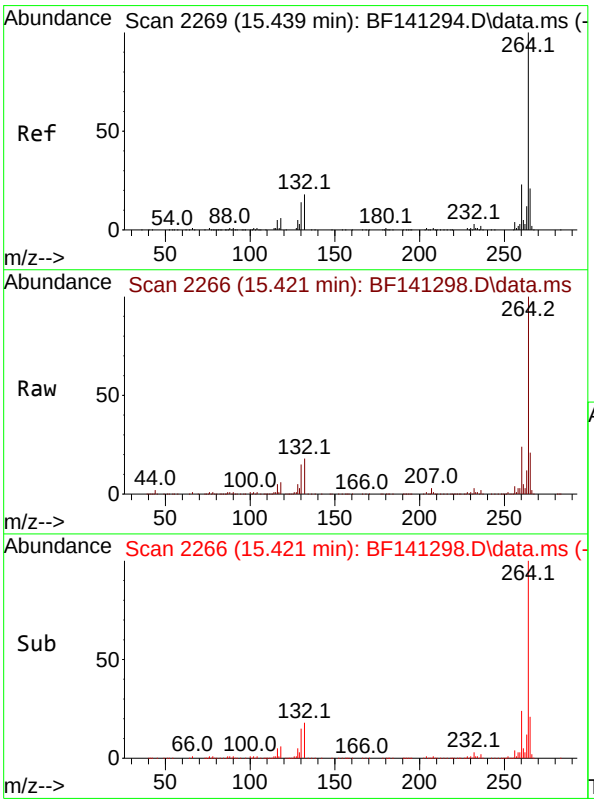
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 12.1 | 9.8 | 14.8 |

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

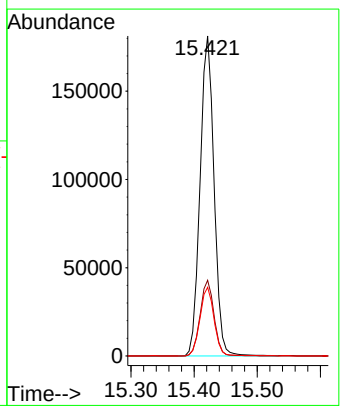


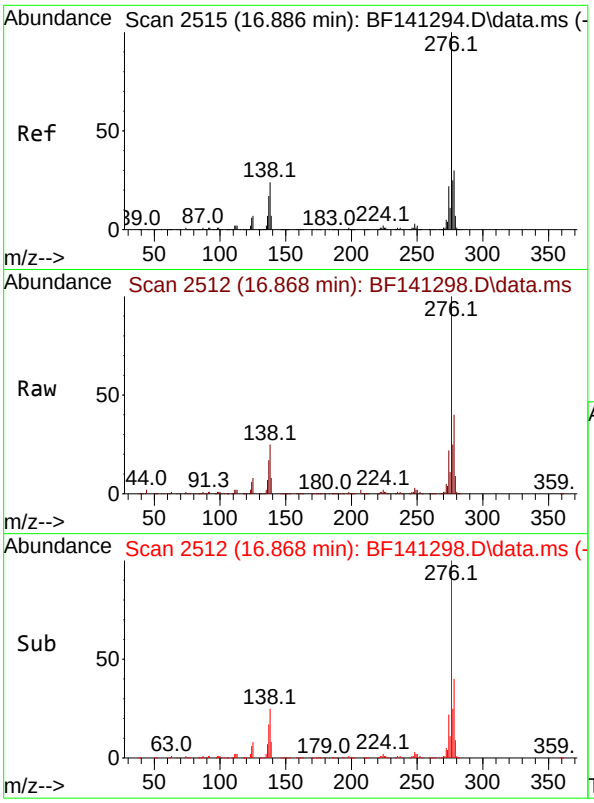




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:264 Resp: 279455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 18.6 | 27.8 |
| 265 | 21.5 | 16.7 | 25.1 |

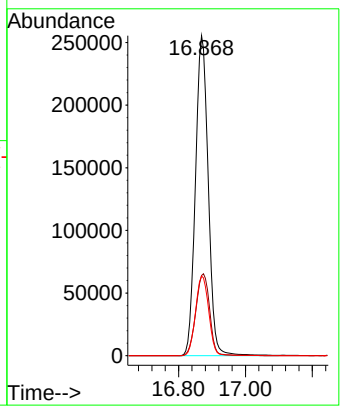





#87
Indeno(1,2,3-cd)pyrene
Concen: 37.626 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:276 Resp: 67865

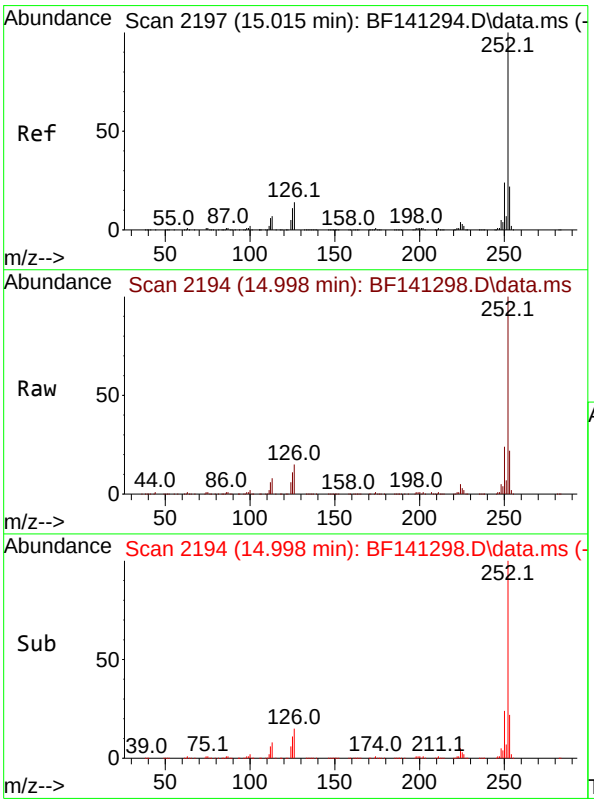
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.3 | 21.7 | 32.5 |
| 277 | 25.7 | 20.3 | 30.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

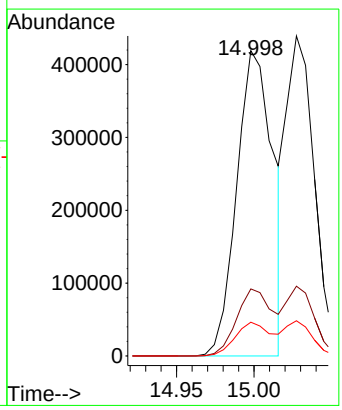
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

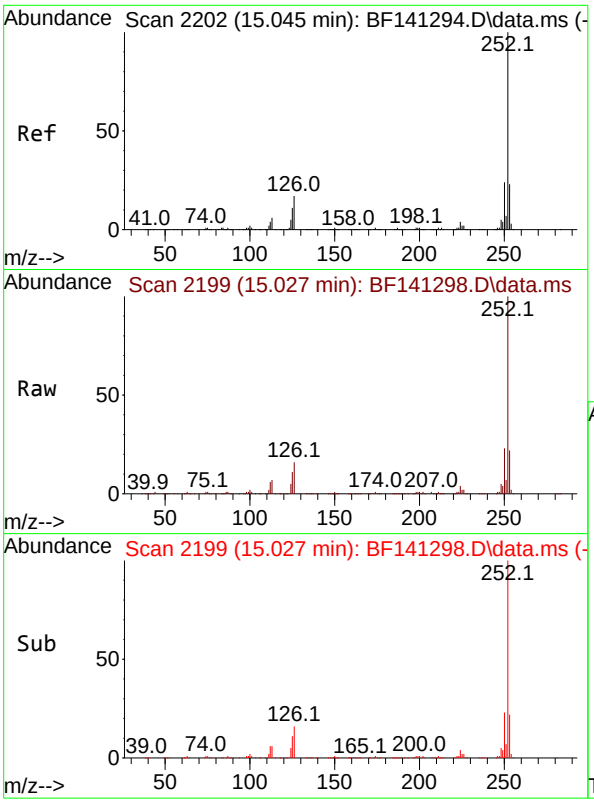



#88
Benzo(b)fluoranthene
Concen: 38.861 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:252 Resp: 683111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.4 | 26.2 |
| 125 | 11.0 | 8.6 | 12.8 |

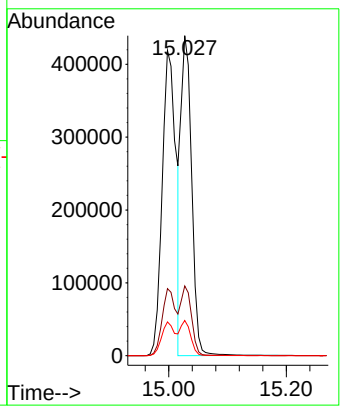





#89
Benzo(k)fluoranthene
Concen: 35.766 ng
RT: 15.027 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:252 Resp: 55696

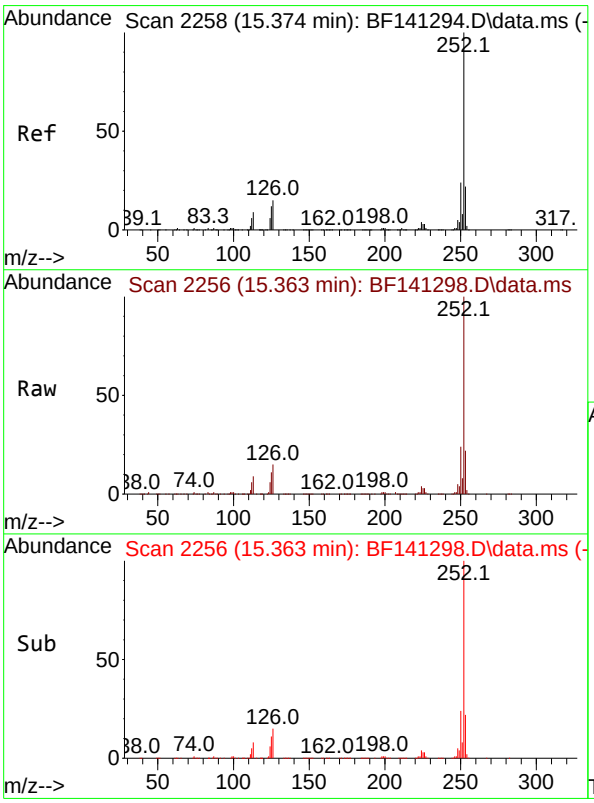
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.6 | 26.4 |
| 125 | 11.0 | 8.4 | 12.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

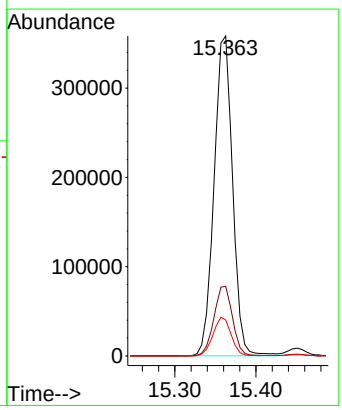
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

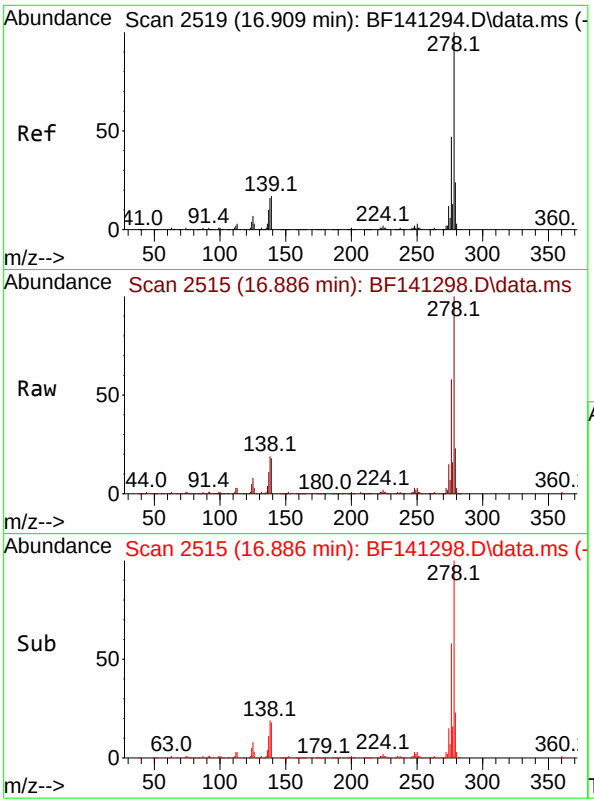



#90
Benzo(a)pyrene
Concen: 38.209 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:252 Resp: 567574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.2 | 25.8 |
| 125 | 11.2 | 9.4 | 14.2 |

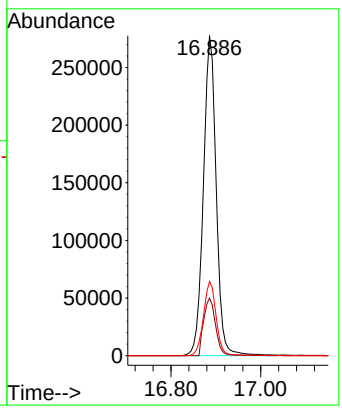





#91
Dibenzo(a,h)anthracene
Concen: 38.007 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:278 Resp: 55153

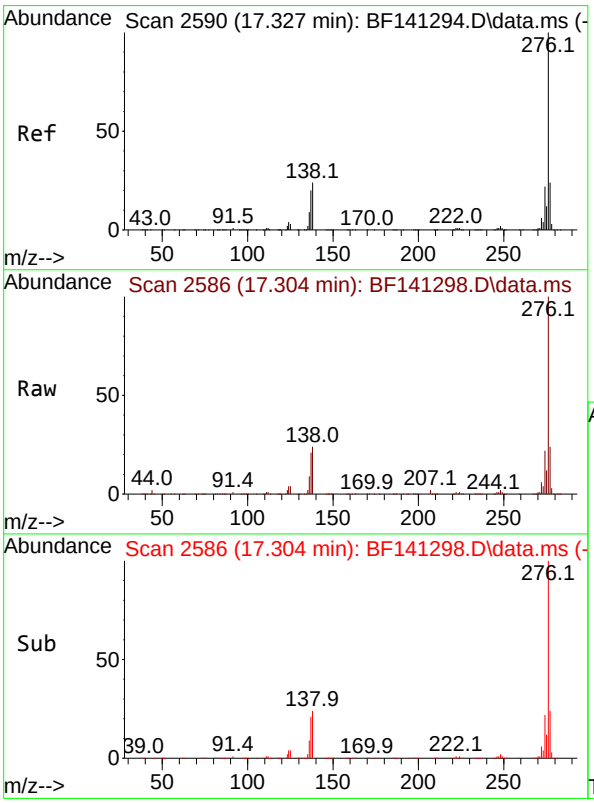
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.0 | 13.9 | 20.9 |
| 279 | 23.2 | 18.8 | 28.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

**Manual Integrations**
**APPROVED**

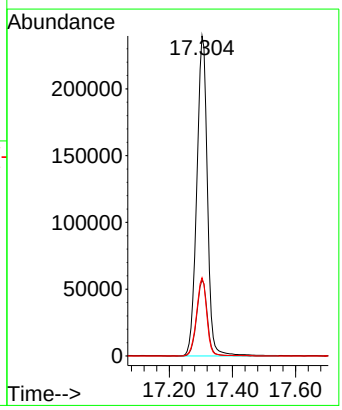
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025




#92
Benzo(g,h,i)perylene
Concen: 37.101 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:276 Resp: 559807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 19.2 | 28.8 |
| 138 | 24.4 | 19.0 | 28.4 |



# Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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 | 98 | 0.00 |
| 2 | | 1,4-Dioxane | 0.573 | 0.534 | 6.8 | 97 | 0.00 |
| 3 | | Pyridine | 1.380 | 1.326 | 3.9 | 98 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.789 | 0.749 | 5.1 | 97 | -0.03 |
| 5 | S | 2-Fluorophenol | 1.303 | 1.221 | 6.3 | 99 | 0.00 |
| 6 | | Aniline | 1.403 | 1.383 | 1.4 | 99 | 0.00 |
| 7 | S | Phenol-d6 | 1.657 | 1.546 | 6.7 | 99 | -0.01 |
| 8 | | 2-Chlorophenol | 1.396 | 1.309 | 6.2 | 99 | -0.01 |
| 9 | | Benzaldehyde | 0.960 | 0.887 | 7.6 | 97 | 0.00 |
| 10 | C | Phenol | 1.757 | 1.664 | 5.3 | 99 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.347 | 1.259 | 6.5 | 100 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.540 | 1.435 | 6.8 | 98 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.547 | 1.465 | 5.3 | 100 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.448 | 1.348 | 6.9 | 98 | 0.00 |
| 15 | | Benzyl Alcohol | 1.133 | 1.075 | 5.1 | 97 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.342 | 2.204 | 5.9 | 98 | 0.00 |
| 17 | | 2-Methylphenol | 1.135 | 1.037 | 8.6 | 97 | 0.00 |
| 18 | | Hexachloroethane | 0.571 | 0.543 | 4.9 | 100 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.985 | 0.907 | 7.9 | 99 | -0.02 |
| 20 | | 3+4-Methylphenols | 1.393 | 1.302 | 6.5 | 99 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 22 | | Acetophenone | 0.475 | 0.436 | 8.2 | 99 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.379 | 0.359 | 5.3 | 100 | 0.00 |
| 24 | | Nitrobenzene | 0.393 | 0.373 | 5.1 | 99 | -0.01 |
| 25 | | Isophorone | 0.656 | 0.614 | 6.4 | 99 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.185 | 0.177 | 4.3 | 99 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.236 | 0.225 | 4.7 | 99 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.418 | 0.392 | 6.2 | 99 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.289 | 0.272 | 5.9 | 99 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.330 | 0.301 | 8.8 | 98 | 0.00 |
| 31 | | Naphthalene | 1.057 | 0.981 | 7.2 | 99 | 0.00 |
| 32 | | Benzoic acid | 0.217 | 0.225 | -3.7 | 101 | -0.04 |
| 33 | | 4-Chloroaniline | 0.358 | 0.333 | 7.0 | 97 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.194 | 0.177 | 8.8 | 98 | 0.00 |
| 35 | | Caprolactam | 0.094 | 0.089 | 5.3 | 99 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.310 | 0.290 | 6.5 | 100 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.672 | 0.619 | 7.9 | 98 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.660 | 0.620 | 6.1 | 101 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.569 | 0.530 | 6.9 | 98 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.168 | 0.168 | 0.0 | 97 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.183 | 0.172 | 6.0 | 99 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.372 | 0.360 | 3.2 | 98 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.405 | 0.375 | 7.4 | 98 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.299 | 1.185 | 8.8 | 99 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.560 | 1.447 | 7.2 | 98 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.216 | 1.120 | 7.9 | 99 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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 | 0.382 | 0.363 | 5.0 | 99 | 0.00 |
| 49 | | Acenaphthylene | 1.702 | 1.592 | 6.5 | 99 | 0.00 |
| 50 | | Dimethylphthalate | 1.351 | 1.246 | 7.8 | 99 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.314 | 0.294 | 6.4 | 98 | 0.00 |
| 52 | C | Acenaphthene | 1.216 | 1.131 | 7.0 | 99 | 0.00 |
| 53 | | 3-Nitroaniline | 0.307 | 0.293 | 4.6 | 96 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.146 | 0.145 | 0.7 | 97 | -0.01 |
| 55 | | Dibenzofuran | 1.627 | 1.506 | 7.4 | 98 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.225 | 0.220 | 2.2 | 97 | -0.01 |
| 57 | | 2,4-Dinitrotoluene | 0.406 | 0.389 | 4.2 | 100 | -0.01 |
| 58 | | Fluorene | 1.262 | 1.150 | 8.9 | 97 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.319 | 0.302 | 5.3 | 98 | 0.00 |
| 60 | | Diethylphthalate | 1.310 | 1.222 | 6.7 | 99 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.617 | 0.558 | 9.6 | 97 | 0.00 |
| 62 | | 4-Nitroaniline | 0.302 | 0.285 | 5.6 | 97 | -0.01 |
| 63 | | Azobenzene | 1.311 | 1.213 | 7.5 | 98 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.118 | 0.124 | -5.1 | 97 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.647 | 0.627 | 3.1 | 98 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.224 | 0.221 | 1.3 | 100 | 0.00 |
| 68 | | Hexachlorobenzene | 0.238 | 0.231 | 2.9 | 99 | 0.00 |
| 69 | | Atrazine | 0.216 | 0.212 | 1.9 | 98 | 0.00 |
| 70 | C | Pentachlorophenol | 0.139 | 0.142 | -2.2 | 98 | 0.00 |
| 71 | | Phenanthrene | 1.075 | 1.024 | 4.7 | 98 | 0.00 |
| 72 | | Anthracene | 1.053 | 1.013 | 3.8 | 99 | 0.00 |
| 73 | | Carbazole | 0.934 | 0.903 | 3.3 | 99 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.132 | 1.093 | 3.4 | 99 | 0.00 |
| 75 | C | Fluoranthene | 1.062 | 1.002 | 5.6 | 97 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 77 | | Benzidine | 0.641 | 0.788 | -22.9 | 106 | 0.00 |
| 78 | | Pyrene | 1.920 | 1.739 | 9.4 | 98 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.297 | 1.175 | 9.4 | 98 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.671 | 0.631 | 6.0 | 100 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.380 | 1.228 | 11.0 | 95 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.439 | 0.425 | 3.2 | 100 | 0.00 |
| 83 | | Chrysene | 1.265 | 1.186 | 6.2 | 103 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.851 | 0.779 | 8.5 | 98 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.321 | 1.249 | 5.5 | 100 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 100 | -0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.291 | 1.214 | 6.0 | 97 | -0.03 |
| 88 | | Benzo(b)fluoranthene | 1.258 | 1.222 | 2.9 | 109 | -0.02 |
| 89 | | Benzo(k)fluoranthene | 1.114 | 0.997 | 10.5 | 92 | -0.02 |
| 90 | C | Benzo(a)pyrene | 1.063 | 1.016 | 4.4 | 100 | -0.02 |
| 91 | | Dibenzo(a,h)anthracene | 1.039 | 0.987 | 5.0 | 97 | -0.04 |
| 92 | | Benzo(g,h,i)perylene | 1.080 | 1.002 | 7.2 | 96 | -0.04 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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 | 98 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.296 | 6.8 | 97 | 0.00 |
| 3 | | Pyridine | 40.000 | 38.413 | 4.0 | 98 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 37.977 | 5.1 | 97 | -0.03 |
| 5 | S | 2-Fluorophenol | 80.000 | 74.963 | 6.3 | 99 | 0.00 |
| 6 | | Aniline | 40.000 | 39.437 | 1.4 | 99 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 74.641 | 6.7 | 99 | -0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 37.505 | 6.2 | 99 | -0.01 |
| 9 | | Benzaldehyde | 40.000 | 36.965 | 7.6 | 97 | 0.00 |
| 10 | C | Phenol | 40.000 | 37.888 | 5.3 | 99 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.387 | 6.5 | 100 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.288 | 6.8 | 98 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 37.885 | 5.3 | 100 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.241 | 6.9 | 98 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 37.952 | 5.1 | 97 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.636 | 5.9 | 98 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 36.544 | 8.6 | 97 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.094 | 4.8 | 100 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 36.848 | 7.9 | 99 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 37.364 | 6.6 | 99 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 99 | 0.00 |
| 22 | | Acetophenone | 40.000 | 36.717 | 8.2 | 99 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 75.630 | 5.5 | 100 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 37.927 | 5.2 | 99 | -0.01 |
| 25 | | Isophorone | 40.000 | 37.439 | 6.4 | 99 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.289 | 4.3 | 99 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.055 | 4.9 | 99 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.460 | 6.3 | 99 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 37.675 | 5.8 | 99 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 36.488 | 8.8 | 98 | 0.00 |
| 31 | | Naphthalene | 40.000 | 37.128 | 7.2 | 99 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 41.534 | -3.8 | 101 | -0.04 |
| 33 | | 4-Chloroaniline | 40.000 | 37.214 | 7.0 | 97 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 36.676 | 8.3 | 98 | 0.00 |
| 35 | | Caprolactam | 40.000 | 37.662 | 5.8 | 99 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.480 | 6.3 | 100 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 36.898 | 7.8 | 98 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 37.570 | 6.1 | 101 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 99 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.226 | 6.9 | 98 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 39.961 | 0.1 | 97 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 75.161 | 6.0 | 99 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 38.625 | 3.4 | 98 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 36.969 | 7.6 | 98 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 72.938 | 8.8 | 99 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 37.111 | 7.2 | 98 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 36.837 | 7.9 | 99 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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 | 37.970 | 5.1 | 99 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 37.416 | 6.5 | 99 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 36.904 | 7.7 | 99 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 37.459 | 6.4 | 98 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 37.206 | 7.0 | 99 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 38.150 | 4.6 | 96 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 39.734 | 0.7 | 97 | -0.01 |
| 55 | | Dibenzofuran | 40.000 | 37.012 | 7.5 | 98 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 39.089 | 2.3 | 97 | -0.01 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 38.327 | 4.2 | 100 | -0.01 |
| 58 | | Fluorene | 40.000 | 36.451 | 8.9 | 97 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 37.902 | 5.2 | 98 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 37.316 | 6.7 | 99 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 36.180 | 9.6 | 97 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 37.665 | 5.8 | 97 | -0.01 |
| 63 | | Azobenzene | 40.000 | 37.020 | 7.4 | 98 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 98 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 41.913 | -4.8 | 97 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 38.757 | 3.1 | 98 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 39.477 | 1.3 | 100 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 38.929 | 2.7 | 99 | 0.00 |
| 69 | | Atrazine | 40.000 | 39.215 | 2.0 | 98 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 40.973 | -2.4 | 98 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.117 | 4.7 | 98 | 0.00 |
| 72 | | Anthracene | 40.000 | 38.484 | 3.8 | 99 | 0.00 |
| 73 | | Carbazole | 40.000 | 38.661 | 3.3 | 99 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 38.639 | 3.4 | 99 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 37.768 | 5.6 | 97 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 99 | 0.00 |
| 77 | | Benzidine | 40.000 | 49.142 | -22.9 | 106 | 0.00 |
| 78 | | Pyrene | 40.000 | 36.225 | 9.4 | 98 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 72.460 | 9.4 | 98 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 37.660 | 5.9 | 100 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 35.587 | 11.0 | 95 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 38.774 | 3.1 | 100 | 0.00 |
| 83 | | Chrysene | 40.000 | 37.508 | 6.2 | 103 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 36.620 | 8.5 | 98 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 37.807 | 5.5 | 100 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 100 | -0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 37.626 | 5.9 | 97 | -0.03 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 38.861 | 2.8 | 109 | -0.02 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 35.766 | 10.6 | 92 | -0.02 |
| 90 | C | Benzo(a)pyrene | 40.000 | 38.209 | 4.5 | 100 | -0.02 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 38.007 | 5.0 | 97 | -0.04 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 37.101 | 7.2 | 96 | -0.04 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date(s): 02/06/2025 02/06/2025

Calibration Time(s): 11:07 14:14

LAB FILE ID: RRF2.5 = BF141472.D RRF005 = BF141473.D RRF010 = BF141474.D
RRF020 = BF141475.D RRF040 = BF141476.D RRF050 = BF141477.D

| COMPOUND | RRF2.5 | RRF005 | RRF010 | RRF020 | RRF040 | RRF050 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| 2-Fluorophenol | | 1.235 | 1.290 | 1.365 | 1.289 | 1.273 | 1.276 | 3.8 |
| Benzaldehyde | | 0.892 | 0.993 | 0.981 | 0.821 | 0.747 | 0.857 | 13.9 |
| Phenol-d6 | | 1.619 | 1.629 | 1.704 | 1.613 | 1.599 | 1.612 | 3.1 |
| Phenol | | 1.693 | 1.681 | 1.817 | 1.685 | 1.659 | 1.678 | 4.4 |
| bis(2-Chloroethyl)ether | | 1.262 | 1.229 | 1.296 | 1.266 | 1.252 | 1.261 | 1.6 |
| 2-Chlorophenol | | 1.399 | 1.410 | 1.446 | 1.379 | 1.368 | 1.378 | 3.4 |
| 2-Methylphenol | | 1.116 | 1.089 | 1.121 | 1.077 | 1.059 | 1.079 | 3.1 |
| 2,2-oxybis(1-Chloropropane) | | 2.222 | 2.245 | 2.313 | 2.165 | 2.119 | 2.158 | 5.5 |
| Acetophenone | | 0.517 | 0.502 | 0.521 | 0.493 | 0.483 | 0.498 | 3.4 |
| 3+4-Methylphenols | | 1.442 | 1.417 | 1.459 | 1.372 | 1.344 | 1.371 | 5.5 |
| n-Nitroso-di-n-propylamine | 0.950 | 0.978 | 0.985 | 1.039 | 0.969 | 0.947 | 0.964 | 4.0 |
| Nitrobenzene-d5 | | 0.380 | 0.379 | 0.396 | 0.385 | 0.378 | 0.383 | 1.6 |
| Hexachloroethane | | 0.539 | 0.545 | 0.589 | 0.553 | 0.556 | 0.550 | 3.6 |
| Nitrobenzene | | 0.370 | 0.371 | 0.383 | 0.374 | 0.369 | 0.374 | 1.3 |
| Isophorone | | 0.611 | 0.594 | 0.633 | 0.611 | 0.601 | 0.611 | 2.0 |
| 2-Nitrophenol | | 0.171 | 0.175 | 0.190 | 0.193 | 0.190 | 0.186 | 4.9 |
| 2,4-Dimethylphenol | | 0.208 | 0.212 | 0.221 | 0.223 | 0.218 | 0.217 | 2.5 |
| bis(2-Chloroethoxy)methane | | 0.384 | 0.390 | 0.408 | 0.394 | 0.387 | 0.392 | 2.0 |
| 2,4-Dichlorophenol | | 0.286 | 0.287 | 0.312 | 0.296 | 0.290 | 0.294 | 2.9 |
| Naphthalene | | 1.067 | 1.041 | 1.096 | 1.037 | 1.012 | 1.041 | 3.0 |
| 4-Chloroaniline | | 0.354 | 0.352 | 0.382 | 0.364 | 0.360 | 0.363 | 2.8 |
| Hexachlorobutadiene | | 0.193 | 0.191 | 0.200 | 0.192 | 0.188 | 0.192 | 2.0 |
| Caprolactam | | 0.083 | 0.085 | 0.094 | 0.093 | 0.088 | 0.089 | 4.8 |
| 4-Chloro-3-methylphenol | | 0.310 | 0.324 | 0.342 | 0.329 | 0.324 | 0.325 | 2.9 |
| 2-Methylnaphthalene | | 0.688 | 0.689 | 0.719 | 0.669 | 0.659 | 0.677 | 3.4 |
| Hexachlorocyclopentadiene | | | 0.138 | 0.180 | 0.204 | 0.205 | 0.192 | 15.4 |
| 2,4,6-Trichlorophenol | | 0.364 | 0.365 | 0.389 | 0.377 | 0.373 | 0.374 | 2.3 |
| 2-Fluorobiphenyl | | 1.373 | 1.360 | 1.385 | 1.269 | 1.241 | 1.298 | 5.6 |
| 2,4,5-Trichlorophenol | | 0.385 | 0.407 | 0.430 | 0.410 | 0.394 | 0.405 | 3.5 |
| 1,1-Biphenyl | | 1.582 | 1.564 | 1.632 | 1.545 | 1.517 | 1.551 | 3.2 |
| 2-Chloronaphthalene | | 1.167 | 1.161 | 1.211 | 1.135 | 1.114 | 1.147 | 3.2 |
| 2-Nitroaniline | | 0.371 | 0.371 | 0.394 | 0.390 | 0.382 | 0.385 | 2.9 |
| Dimethylphthalate | | 1.382 | 1.359 | 1.408 | 1.345 | 1.324 | 1.358 | 2.1 |
| Acenaphthylene | | 1.739 | 1.736 | 1.791 | 1.696 | 1.660 | 1.705 | 3.2 |

All other compounds must meet a minimum RRF of 0.010.

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date(s): 02/06/2025 02/06/2025

Calibration Time(s): 11:07 14:14

LAB FILE ID: RRF2.5 = BF141472.D RRF005 = BF141473.D RRF010 = BF141474.D
RRF020 = BF141475.D RRF040 = BF141476.D RRF050 = BF141477.D

| COMPOUND | RRF2.5 | RRF005 | RRF010 | RRF020 | RRF040 | RRF050 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| 2,6-Dinitrotoluene | | 0.289 | 0.290 | 0.314 | 0.301 | 0.295 | 0.297 | 3.1 |
| 3-Nitroaniline | | 0.312 | 0.313 | 0.335 | 0.319 | 0.320 | 0.319 | 2.4 |
| Acenaphthene | | 1.186 | 1.164 | 1.188 | 1.152 | 1.108 | 1.147 | 3.1 |
| 2,4-Dinitrophenol | | | 0.133 | 0.167 | 0.177 | 0.185 | 0.176 | 13.8 |
| 4-Nitrophenol | | 0.190 | 0.216 | 0.247 | 0.249 | 0.249 | 0.237 | 10.4 |
| Dibenzofuran | | 1.768 | 1.722 | 1.774 | 1.673 | 1.633 | 1.683 | 4.4 |
| 2,4-Dinitrotoluene | | 0.383 | 0.403 | 0.414 | 0.398 | 0.390 | 0.395 | 2.8 |
| Diethylphthalate | | 1.400 | 1.346 | 1.398 | 1.330 | 1.300 | 1.336 | 3.7 |
| 4-Chlorophenyl-phenylether | | 0.661 | 0.643 | 0.659 | 0.622 | 0.602 | 0.626 | 4.7 |
| Fluorene | | 1.359 | 1.361 | 1.377 | 1.290 | 1.239 | 1.301 | 4.9 |
| 4-Nitroaniline | | 0.315 | 0.319 | 0.333 | 0.335 | 0.319 | 0.324 | 2.3 |
| 4,6-Dinitro-2-methylphenol | | | 0.116 | 0.140 | 0.142 | 0.142 | 0.139 | 8.5 |
| n-Nitrosodiphenylamine | | 0.650 | 0.653 | 0.674 | 0.627 | 0.625 | 0.640 | 3.0 |
| 2,4,6-Tribromophenol | | 0.201 | 0.200 | 0.210 | 0.200 | 0.199 | 0.201 | 2.1 |
| 4-Bromophenyl-phenylether | | 0.228 | 0.220 | 0.234 | 0.221 | 0.220 | 0.224 | 2.5 |
| Hexachlorobenzene | | 0.229 | 0.234 | 0.241 | 0.227 | 0.224 | 0.230 | 2.5 |
| Atrazine | | 0.200 | 0.203 | 0.214 | 0.185 | 0.185 | 0.192 | 7.1 |
| Pentachlorophenol | | 0.116 | 0.131 | 0.151 | 0.154 | 0.158 | 0.147 | 11.7 |
| Phenanthrene | | 1.141 | 1.132 | 1.161 | 1.084 | 1.071 | 1.101 | 3.9 |
| Anthracene | | 1.168 | 1.126 | 1.158 | 1.082 | 1.084 | 1.107 | 4.0 |
| Carbazole | | 1.022 | 1.026 | 1.076 | 0.986 | 0.966 | 0.996 | 4.9 |
| Di-n-butylphthalate | | 1.165 | 1.156 | 1.223 | 1.141 | 1.132 | 1.150 | 3.3 |
| Fluoranthene | | 1.251 | 1.239 | 1.243 | 1.151 | 1.129 | 1.167 | 6.6 |
| Pyrene | | 1.528 | 1.557 | 1.717 | 1.745 | 1.774 | 1.703 | 6.7 |
| Terphenyl-d14 | | 1.129 | 1.104 | 1.211 | 1.198 | 1.209 | 1.185 | 4.1 |
| Butylbenzylphthalate | | 0.525 | 0.540 | 0.605 | 0.609 | 0.603 | 0.590 | 6.8 |
| 3,3-Dichlorobenzidine | | 0.397 | 0.411 | 0.407 | 0.377 | 0.363 | 0.381 | 6.3 |
| Benzo(a)anthracene | | 1.381 | 1.332 | 1.350 | 1.345 | 1.309 | 1.329 | 2.5 |
| Chrysene | | 1.187 | 1.223 | 1.314 | 1.201 | 1.215 | 1.228 | 3.3 |
| Bis(2-ethylhexyl)phthalate | | 0.593 | 0.610 | 0.685 | 0.689 | 0.680 | 0.665 | 6.7 |
| Di-n-octyl phthalate | | 0.802 | 0.814 | 0.910 | 0.965 | 1.010 | 0.949 | 11.8 |
| Benzo(b)fluoranthene | | 1.286 | 1.407 | 1.398 | 1.336 | 1.350 | 1.343 | 3.9 |
| Benzo(k)fluoranthene | | 1.113 | 1.216 | 1.247 | 1.142 | 1.074 | 1.147 | 5.5 |
| Benzo(a)pyrene | | 1.085 | 1.074 | 1.115 | 1.080 | 1.069 | 1.087 | 1.4 |
| Indeno(1,2,3-cd)pyrene | | 0.987 | 1.029 | 1.186 | 1.288 | 1.341 | 1.236 | 14.1 |

All other compounds must meet a minimum RRF of 0.010.

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date(s): 02/06/2025 02/06/2025

Calibration Time(s): 11:07 14:14

LAB FILE ID: RRF2.5 = BF141472.D RRF005 = BF141473.D RRF010 = BF141474.D
RRF020 = BF141475.D RRF040 = BF141476.D RRF050 = BF141477.D

| COMPOUND | RRF2.5 | RRF005 | RRF010 | RRF020 | RRF040 | RRF050 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dibenzo(a,h)anthracene | | 0.796 | 0.828 | 0.970 | 1.051 | 1.092 | 1.001 | 14.1 |
| Benzo(g,h,i)perylene | | 0.805 | 0.864 | 1.001 | 1.100 | 1.144 | 1.048 | 15.6 |
| 1,2,4,5-Tetrachlorobenzene | | 0.582 | 0.588 | 0.600 | 0.584 | 0.560 | 0.579 | 2.5 |
| 1,4-Dioxane | | 0.511 | 0.519 | 0.523 | 0.517 | 0.502 | 0.513 | 1.7 |
| 2,3,4,6-Tetrachlorophenol | | 0.332 | 0.361 | 0.359 | 0.348 | 0.348 | 0.349 | 3.0 |

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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 06 16:58:59 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141472.D 5 =BF141473.D 10 =BF141474.D 20 =BF141475.D 40 =BF141476.D 50 =BF141477.D 60 =BF141478.D 80 =BF1414
79.D

| | | Compound | 2.5 | 5 | 10 | 20 | 40 | 50 | 60 | 80 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ---------- | ISTD | ---------- | | | | | | | |
| 2) | | 1,4-Dioxane | | 0.511 | 0.519 | 0.523 | 0.517 | 0.502 | 0.521 | 0.501 | 0.513 | 1.73 |
| 3) | | Pyridine | | 1.053 | 1.205 | 1.311 | 1.263 | 1.256 | 1.261 | 1.204 | 1.222 | 6.79 |
| 4) | | n-Nitrosodimet... | | 0.737 | 0.774 | 0.820 | 0.818 | 0.835 | 0.846 | 0.833 | 0.809 | 4.83 |
| 5) | S | 2-Fluorophenol | | 1.235 | 1.290 | 1.365 | 1.289 | 1.273 | 1.264 | 1.214 | 1.276 | 3.77 |
| 6) | | Aniline | | 1.476 | 1.545 | 1.650 | 1.538 | 1.506 | 1.494 | 1.379 | 1.513 | 5.42 |
| 7) | S | Phenol-d6 | | 1.619 | 1.629 | 1.704 | 1.613 | 1.599 | 1.585 | 1.538 | 1.612 | 3.13 |
| 8) | | 2-Chlorophenol | | 1.399 | 1.410 | 1.446 | 1.379 | 1.368 | 1.345 | 1.302 | 1.378 | 3.38 |
| 9) | | Benzaldehyde | | 0.892 | 0.993 | 0.981 | 0.821 | 0.747 | 0.706 | | 0.857 | 13.92 |
| 10) | C | Phenol | | 1.693 | 1.681 | 1.817 | 1.685 | 1.659 | 1.644 | 1.569 | 1.678 | 4.42 |
| 11) | | bis(2-Chloroet... | | 1.262 | 1.229 | 1.296 | 1.266 | 1.252 | 1.262 | 1.256 | 1.261 | 1.59 |
| 12) | | 1,3-Dichlorobe... | | 1.473 | 1.482 | 1.554 | 1.441 | 1.441 | 1.430 | 1.366 | 1.455 | 3.95 |
| 13) | C | 1,4-Dichlorobe... | | 1.546 | 1.538 | 1.571 | 1.471 | 1.465 | 1.439 | 1.379 | 1.487 | 4.59 |
| 14) | | 1,2-Dichlorobe... | | 1.393 | 1.439 | 1.473 | 1.374 | 1.351 | 1.345 | 1.285 | 1.380 | 4.55 |
| 15) | | Benzyl Alcohol | | 1.191 | 1.251 | 1.322 | 1.262 | 1.248 | 1.218 | 1.163 | 1.236 | 4.19 |
| 16) | | 2,2'-oxybis(1-... | | 2.222 | 2.245 | 2.313 | 2.165 | 2.119 | 2.082 | 1.959 | 2.158 | 5.45 |
| 17) | | 2-Methylphenol | | 1.116 | 1.089 | 1.121 | 1.077 | 1.059 | 1.066 | 1.024 | 1.079 | 3.15 |
| 18) | | Hexachloroethane | | 0.539 | 0.545 | 0.589 | 0.553 | 0.556 | 0.544 | 0.526 | 0.550 | 3.59 |
| 19) | P | n-Nitroso-di-n... | 0.950 | 0.978 | 0.985 | 1.039 | 0.969 | 0.947 | 0.941 | 0.907 | 0.964 | 4.03 |
| 20) | | 3+4-Methylphenols | | 1.442 | 1.417 | 1.459 | 1.372 | 1.344 | 1.319 | 1.244 | 1.371 | 5.52 |
| 21) | I | Naphthalene-d8 | ---------- | ISTD | ---------- | | | | | | | |
| 22) | | Acetophenone | | 0.517 | 0.502 | 0.521 | 0.493 | 0.483 | 0.488 | 0.478 | 0.498 | 3.35 |
| 23) | S | Nitrobenzene-d5 | | 0.380 | 0.379 | 0.396 | 0.385 | 0.378 | 0.381 | 0.384 | 0.383 | 1.58 |
| 24) | | Nitrobenzene | | 0.370 | 0.371 | 0.383 | 0.374 | 0.369 | 0.375 | 0.376 | 0.374 | 1.29 |
| 25) | | Isophorone | | 0.611 | 0.594 | 0.633 | 0.611 | 0.601 | 0.617 | 0.614 | 0.611 | 2.04 |
| 26) | C | 2-Nitrophenol | | 0.171 | 0.175 | 0.190 | 0.193 | 0.190 | 0.193 | 0.191 | 0.186 | 4.91 |
| 27) | | 2,4-Dimethylph... | | 0.208 | 0.212 | 0.221 | 0.223 | 0.218 | 0.220 | 0.220 | 0.217 | 2.46 |
| 28) | | bis(2-Chloroet... | | 0.384 | 0.390 | 0.408 | 0.394 | 0.387 | 0.391 | 0.388 | 0.392 | 2.03 |
| 29) | C | 2,4-Dichloroph... | | 0.286 | 0.287 | 0.312 | 0.296 | 0.290 | 0.292 | 0.292 | 0.294 | 2.95 |
| 30) | | 1,2,4-Trichlor... | | 0.327 | 0.321 | 0.331 | 0.317 | 0.312 | 0.317 | 0.314 | 0.320 | 2.12 |
| 31) | | Naphthalene | | 1.067 | 1.041 | 1.096 | 1.037 | 1.012 | 1.022 | 1.012 | 1.041 | 2.98 |
| 32) | | Benzoic acid | | | 0.186 | 0.217 | 0.229 | 0.233 | 0.243 | 0.246 | 0.226 | 9.70 |
| 33) | | 4-Chloroaniline | | 0.354 | 0.352 | 0.382 | 0.364 | 0.360 | 0.364 | 0.370 | 0.363 | 2.82 |
| 34) | C | Hexachlorobuta... | | 0.193 | 0.191 | 0.200 | 0.192 | 0.188 | 0.191 | 0.189 | 0.192 | 2.01 |
| 35) | | Caprolactam | | 0.083 | 0.085 | 0.094 | 0.093 | 0.088 | 0.091 | 0.092 | 0.089 | 4.75 |
| 36) | C | 4-Chloro-3-met... | | 0.310 | 0.324 | 0.342 | 0.329 | 0.324 | 0.325 | 0.324 | 0.325 | 2.91 |
| 37) | | 2-Methylnaphth... | | 0.688 | 0.689 | 0.719 | 0.669 | 0.659 | 0.666 | 0.652 | 0.677 | 3.42 |
| 38) | | 1-Methylnaphth... | | 0.680 | 0.657 | 0.691 | 0.656 | 0.637 | 0.640 | 0.631 | 0.656 | 3.40 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF020625.M

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 39) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 40) | | 1,2,4,5-Tetrac... | 0.582 | 0.588 | 0.600 | 0.584 | 0.560 | 0.574 | 0.562 | 0.579 | 2.50 |
| 41) | P | Hexachlorocycl... | | 0.138 | 0.180 | 0.204 | 0.205 | 0.214 | 0.214 | 0.192 | 15.36 |
| 42) | S | 2,4,6-Tribromo... | 0.201 | 0.200 | 0.210 | 0.200 | 0.199 | 0.201 | 0.196 | 0.201 | 2.08 |
| 43) | C | 2,4,6-Trichlor... | 0.364 | 0.365 | 0.389 | 0.377 | 0.373 | 0.378 | 0.372 | 0.374 | 2.28 |
| 44) | | 2,4,5-Trichlor... | 0.385 | 0.407 | 0.430 | 0.410 | 0.394 | 0.409 | 0.401 | 0.405 | 3.51 |
| 45) | S | 2-Fluorobiphenyl | 1.373 | 1.360 | 1.385 | 1.269 | 1.241 | 1.259 | 1.201 | 1.298 | 5.62 |
| 46) | | 1,1'-Biphenyl | 1.582 | 1.564 | 1.632 | 1.545 | 1.517 | 1.537 | 1.478 | 1.551 | 3.16 |
| 47) | | 2-Chloronaphth... | 1.167 | 1.161 | 1.211 | 1.135 | 1.114 | 1.136 | 1.103 | 1.147 | 3.18 |
| 48) | | 2-Nitroaniline | 0.371 | 0.371 | 0.394 | 0.390 | 0.382 | 0.401 | 0.385 | 0.385 | 2.92 |
| 49) | | Acenaphthylene | 1.739 | 1.736 | 1.791 | 1.696 | 1.660 | 1.689 | 1.626 | 1.705 | 3.21 |
| 50) | | Dimethylphthalate | 1.382 | 1.359 | 1.408 | 1.345 | 1.324 | 1.341 | 1.345 | 1.358 | 2.09 |
| 51) | | 2,6-Dinitrotol... | 0.289 | 0.290 | 0.314 | 0.301 | 0.295 | 0.299 | 0.290 | 0.297 | 3.06 |
| 52) | C | Acenaphthene | 1.186 | 1.164 | 1.188 | 1.152 | 1.108 | 1.127 | 1.101 | 1.147 | 3.10 |
| 53) | | 3-Nitroaniline | 0.312 | 0.313 | 0.335 | 0.319 | 0.320 | 0.321 | 0.316 | 0.319 | 2.35 |
| 54) | P | 2,4-Dinitrophenol | | 0.133 | 0.167 | 0.177 | 0.185 | 0.198 | 0.198 | 0.176 | 13.83 |
| 55) | | Dibenzofuran | 1.768 | 1.722 | 1.774 | 1.673 | 1.633 | 1.634 | 1.576 | 1.683 | 4.44 |
| 56) | P | 4-Nitrophenol | 0.190 | 0.216 | 0.247 | 0.249 | 0.249 | 0.257 | 0.251 | 0.237 | 10.43 |
| 57) | | 2,4-Dinitrotol... | 0.383 | 0.403 | 0.414 | 0.398 | 0.390 | 0.396 | 0.383 | 0.395 | 2.83 |
| 58) | | Fluorene | 1.359 | 1.361 | 1.377 | 1.290 | 1.239 | 1.263 | 1.221 | 1.301 | 4.90 |
| 59) | | 2,3,4,6-Tetrac... | 0.332 | 0.361 | 0.359 | 0.348 | 0.348 | 0.355 | 0.340 | 0.349 | 2.95 |
| 60) | | Diethylphthalate | 1.400 | 1.346 | 1.398 | 1.330 | 1.300 | 1.308 | 1.269 | 1.336 | 3.71 |
| 61) | | 4-Chlorophenyl... | 0.661 | 0.643 | 0.659 | 0.622 | 0.602 | 0.611 | 0.585 | 0.626 | 4.66 |
| 62) | | 4-Nitroaniline | 0.315 | 0.319 | 0.333 | 0.335 | 0.319 | 0.327 | 0.324 | 0.324 | 2.28 |
| 63) | | Azobenzene | 1.348 | 1.329 | 1.385 | 1.326 | 1.295 | 1.320 | 1.294 | 1.328 | 2.38 |
| 64) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 65) | | 4,6-Dinitro-2-... | | 0.116 | 0.140 | 0.142 | 0.142 | 0.146 | 0.148 | 0.139 | 8.48 |
| 66) | c | n-Nitrosodiphe... | 0.650 | 0.653 | 0.674 | 0.627 | 0.625 | 0.625 | 0.627 | 0.640 | 2.97 |
| 67) | | 4-Bromophenyl-... | 0.228 | 0.220 | 0.234 | 0.221 | 0.220 | 0.221 | 0.221 | 0.224 | 2.46 |
| 68) | | Hexachlorobenzene | 0.229 | 0.234 | 0.241 | 0.227 | 0.224 | 0.228 | 0.228 | 0.230 | 2.46 |
| 69) | | Atrazine | 0.200 | 0.203 | 0.214 | 0.185 | 0.185 | 0.182 | 0.176 | 0.192 | 7.12 |
| 70) | C | Pentachlorophenol | 0.116 | 0.131 | 0.151 | 0.154 | 0.158 | 0.159 | 0.160 | 0.147 | 11.68 |
| 71) | | Phenanthrene | 1.141 | 1.132 | 1.161 | 1.084 | 1.071 | 1.069 | 1.049 | 1.101 | 3.91 |
| 72) | | Anthracene | 1.168 | 1.126 | 1.158 | 1.082 | 1.084 | 1.071 | 1.057 | 1.107 | 3.99 |
| 73) | | Carbazole | 1.022 | 1.026 | 1.076 | 0.986 | 0.966 | 0.961 | 0.933 | 0.996 | 4.87 |
| 74) | | Di-n-butylphth... | 1.165 | 1.156 | 1.223 | 1.141 | 1.132 | 1.126 | 1.105 | 1.150 | 3.29 |
| 75) | C | Fluoranthene | 1.251 | 1.239 | 1.243 | 1.151 | 1.129 | 1.091 | 1.065 | 1.167 | 6.63 |
| 76) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 77) | | Benzidine | 0.474 | 0.487 | 0.334 | 0.528 | 0.432 | 0.351 | 0.481 | 0.441 | 16.58 |
| 78) | | Pyrene | 1.528 | 1.557 | 1.717 | 1.745 | 1.774 | 1.807 | 1.789 | 1.703 | 6.67 |
| 79) | S | Terphenyl-d14 | 1.129 | 1.104 | 1.211 | 1.198 | 1.209 | 1.234 | 1.208 | 1.185 | 4.07 |
| 80) | | Butylbenzylpht... | 0.525 | 0.540 | 0.605 | 0.609 | 0.603 | 0.623 | 0.624 | 0.590 | 6.83 |
| 81) | | Benzo(a)anthra... | 1.381 | 1.332 | 1.350 | 1.345 | 1.309 | 1.309 | 1.279 | 1.329 | 2.51 |
| 82) | | 3,3'-Dichlorob... | 0.397 | 0.411 | 0.407 | 0.377 | 0.363 | 0.353 | 0.358 | 0.381 | 6.31 |
| 83) | | Chrysene | 1.187 | 1.223 | 1.314 | 1.201 | 1.215 | 1.224 | 1.229 | 1.228 | 3.34 |
| 84) | | Bis(2-ethylhex... | 0.593 | 0.610 | 0.685 | 0.689 | 0.680 | 0.697 | 0.702 | 0.665 | 6.68 |
| 85) | c | Di-n-octyl pht... | 0.802 | 0.814 | 0.910 | 0.965 | 1.010 | 1.051 | 1.090 | 0.949 | 11.82 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF020625.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 86) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | |
| 87) | | Indeno(1,2,3-c... | 0.987 | 1.029 | 1.186 | 1.288 | 1.341 | 1.410 | 1.408 | 1.236 | 14.06 |
| 88) | | Benzo(b)fluora... | 1.286 | 1.407 | 1.398 | 1.336 | 1.350 | 1.356 | 1.268 | 1.343 | 3.88 |
| 89) | | Benzo(k)fluora... | 1.113 | 1.216 | 1.247 | 1.142 | 1.074 | 1.098 | 1.138 | 1.147 | 5.49 |
| 90) | C | Benzo(a)pyrene | 1.085 | 1.074 | 1.115 | 1.080 | 1.069 | 1.094 | 1.089 | 1.087 | 1.41 |
| 91) | | Dibenzo(a,h)an... | 0.796 | 0.828 | 0.970 | 1.051 | 1.092 | 1.138 | 1.134 | 1.001 | 14.13 |
| 92) | | Benzo(g,h,i)pe... | 0.805 | 0.864 | 1.001 | 1.100 | 1.144 | 1.203 | 1.218 | 1.048 | 15.60 |

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141472.D
Acq On : 06 Feb 2025 11:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 06 16:00:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.787 | 152 | 91402 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.069 | 136 | 372084 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.822 | 164 | 206500 | 20.000 | ng | -0.01 |
| 64) Phenanthrene-d10 | 11.310 | 188 | 361595 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.951 | 240 | 309941 | 20.000 | ng | -0.01 |
| 86) Perylene-d12 | 15.410 | 264 | 259363 | 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... | 7.192 | 70 | 10850 | 2.462 | ng | 92 |

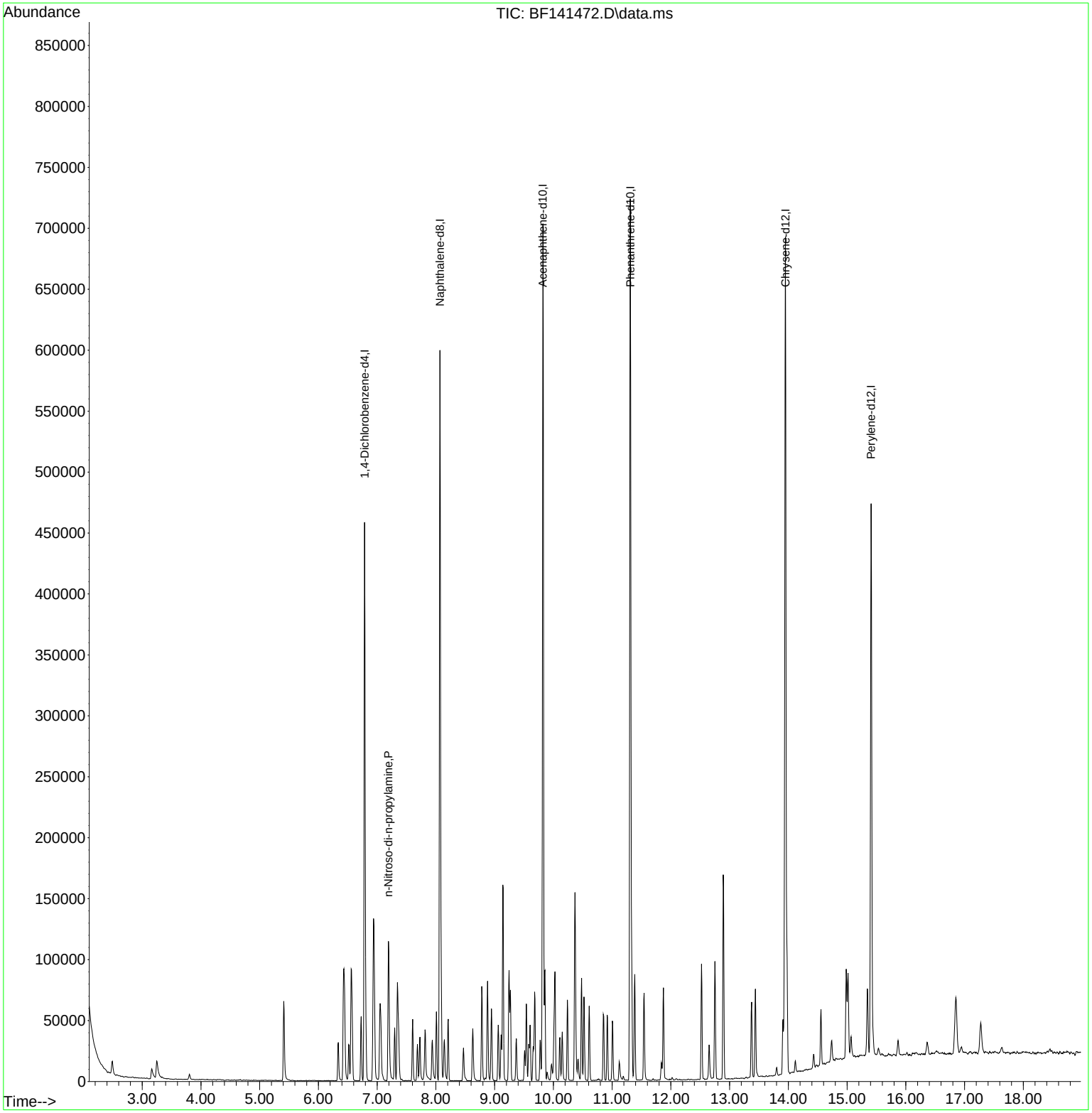
(#) = qualifier out of range (m) = manual integration (+) = signals summed

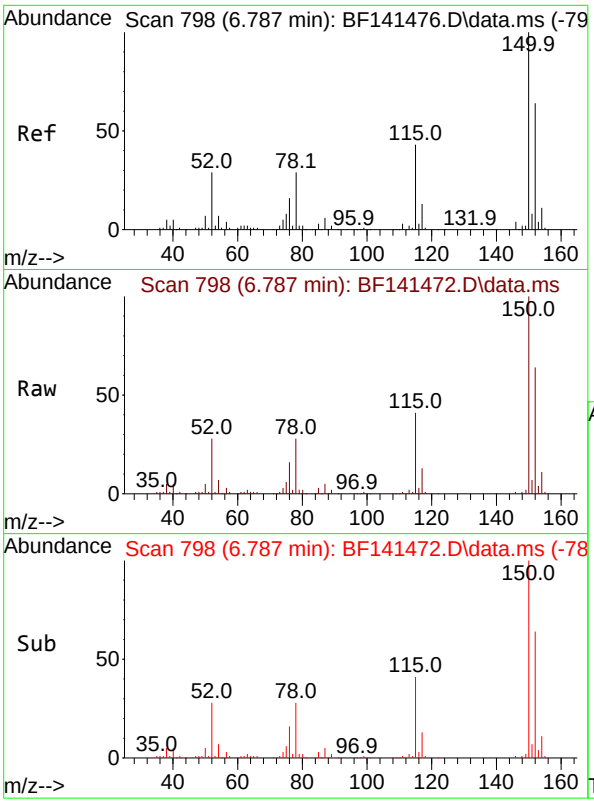
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141472.D
Acq On : 06 Feb 2025 11:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 06 16:00:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



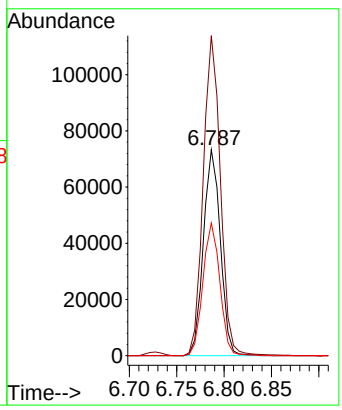


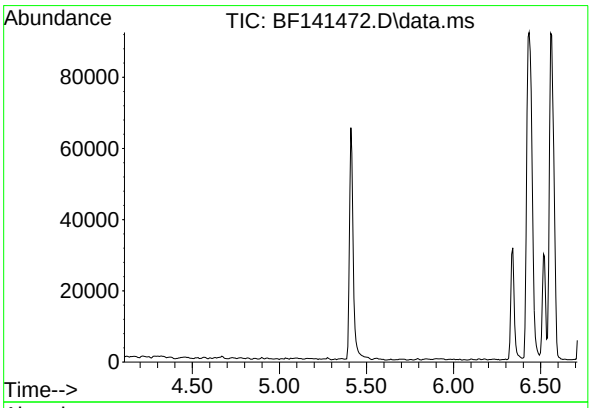

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

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

Tgt Ion:152 Resp: 91402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.4 | 125.0 | 187.4 |
| 115 | 64.4 | 53.6 | 80.4 |



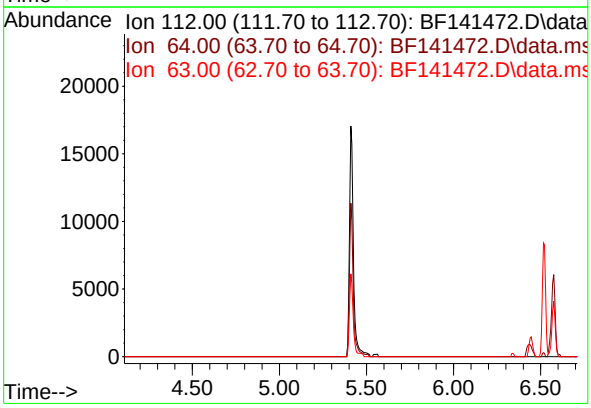



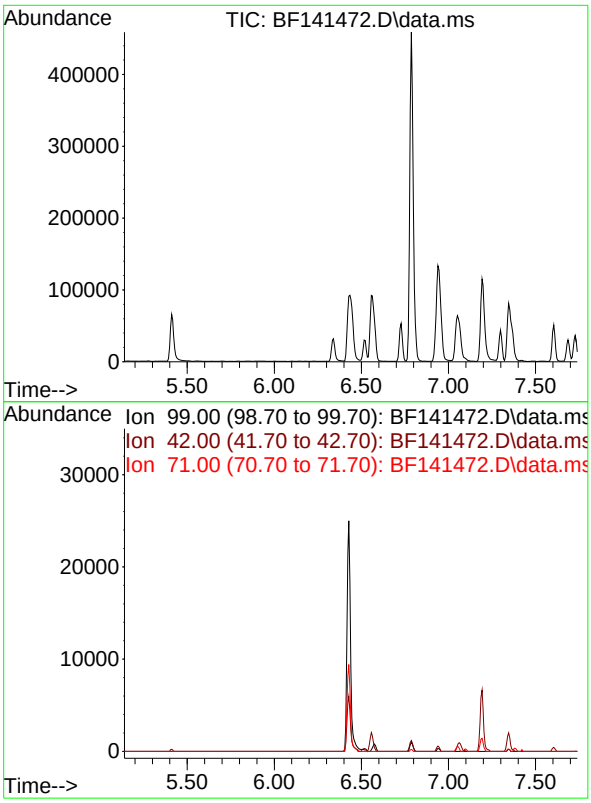

#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.41 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 112

| Sig | Exp Ratio |
|---|---|
| 112 | 100 |
| 64 | 63.9 |
| 63 | 35.5 |





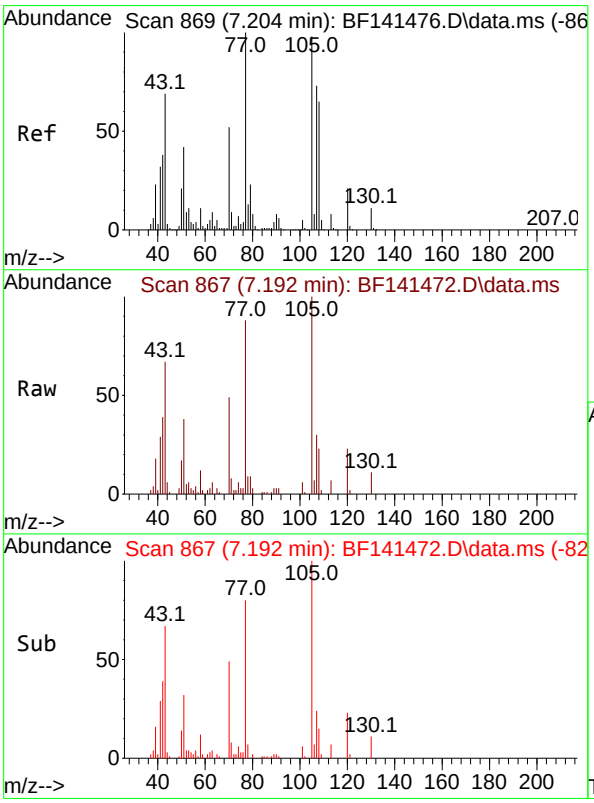

#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.44 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

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

Tgt Ion: 99

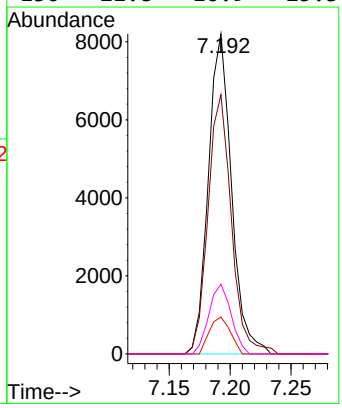
| Sig | Exp Ratio |
|---|---|
| 99 | 100 |
| 42 | 23.9 |
| 71 | 38.9 |

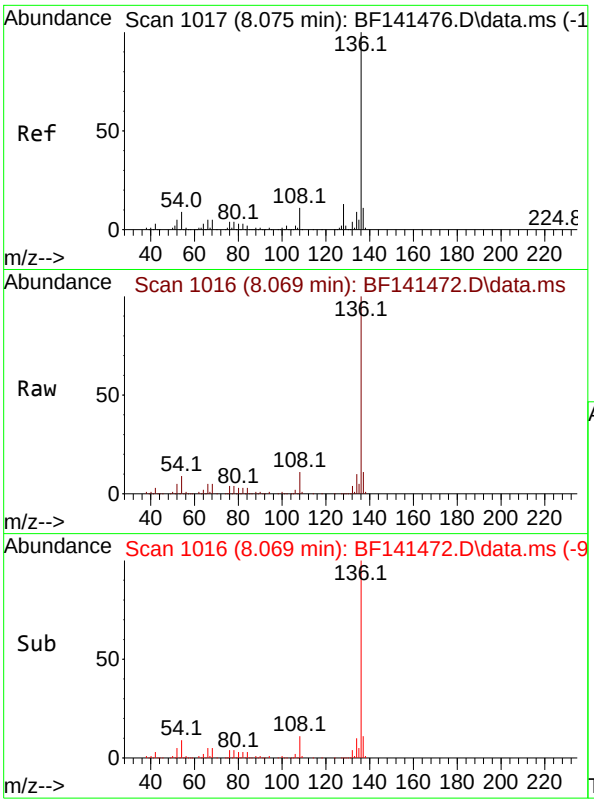



#19
n-Nitroso-di-n-propylamine
Concen: 2.462 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.023 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 70 Resp: 10850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 81.0 | 57.4 | 86.2 |
| 101 | 11.5 | 8.0 | 12.0 |
| 130 | 21.8 | 16.9 | 25.3 |



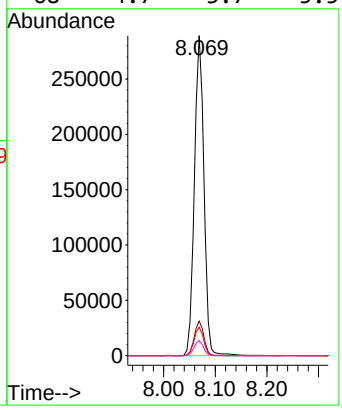


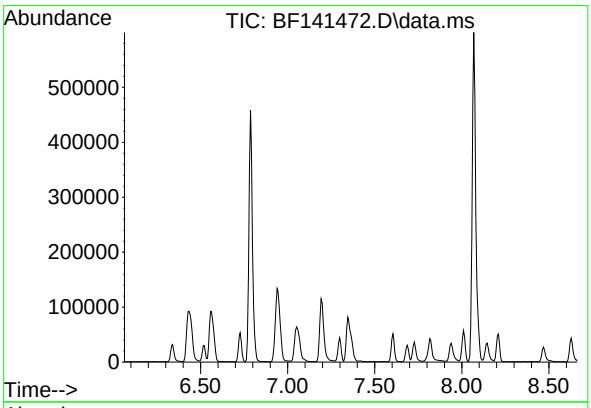

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

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

Tgt Ion:136 Resp: 372084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.6 | 13.0 |
| 54 | 8.9 | 7.2 | 10.8 |
| 68 | 4.7 | 3.7 | 5.5 |



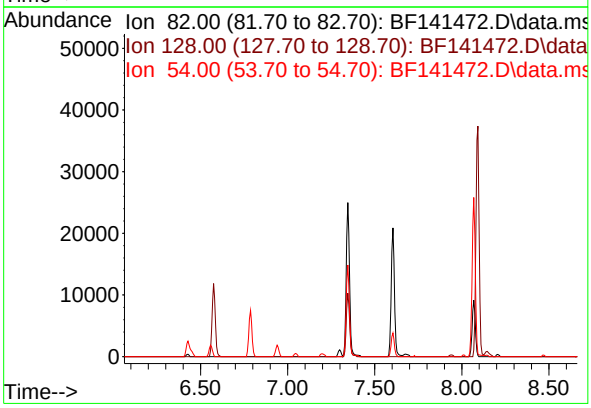



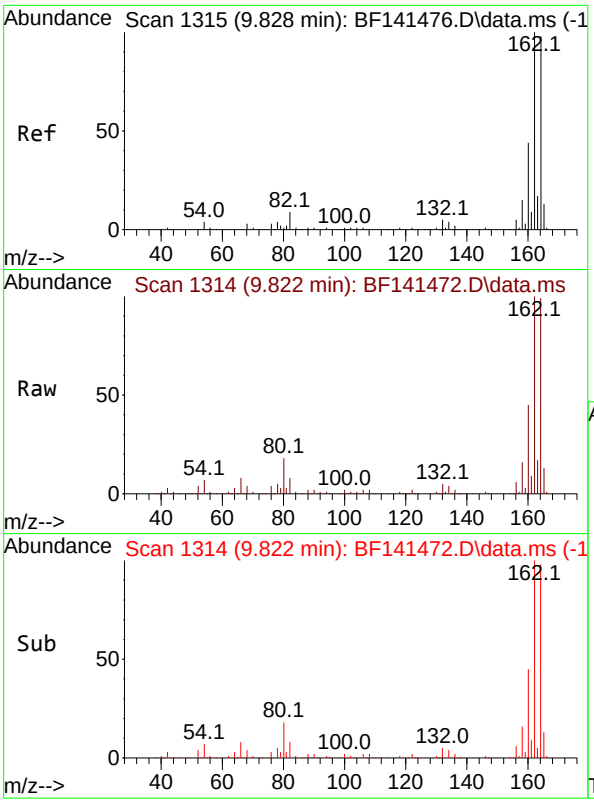

#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.36 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 82

| Sig | Exp Ratio |
|---|---|
| 82 | 100 |
| 128 | 43.5 |
| 54 | 60.3 |



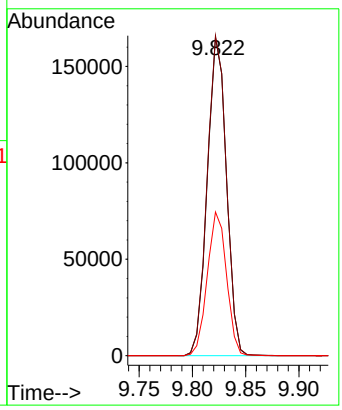


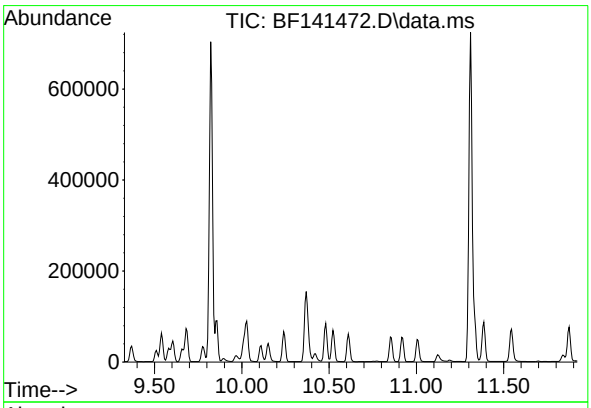

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

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

Tgt Ion:164 Resp: 206500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.5 | 81.3 | 121.9 |
| 160 | 45.1 | 35.9 | 53.9 |



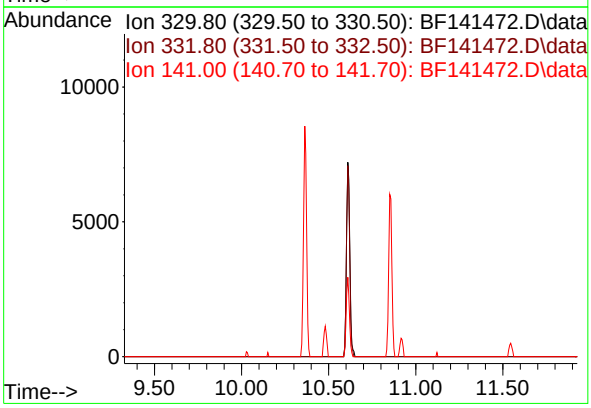



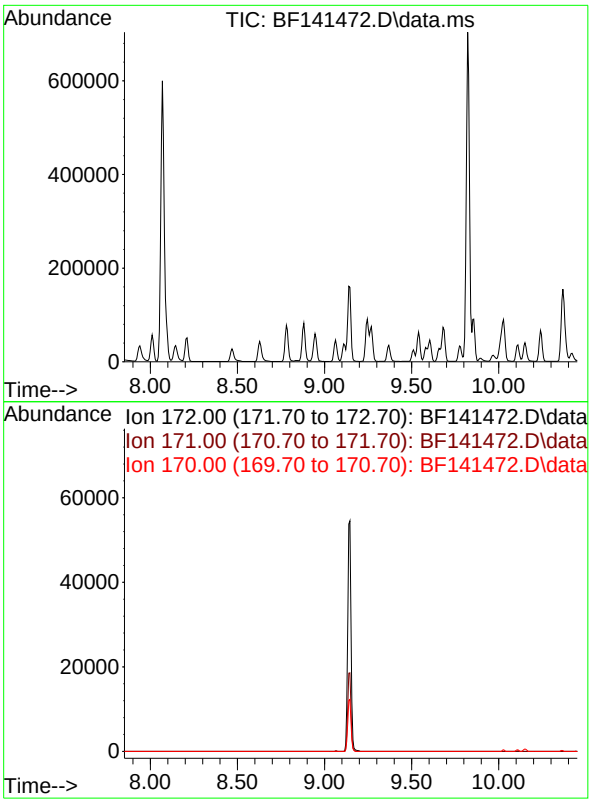

#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.63 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 330

| Sig | Exp Ratio |
|---|---|
| 330 | 100 |
| 332 | 98.1 |
| 141 | 38.7 |





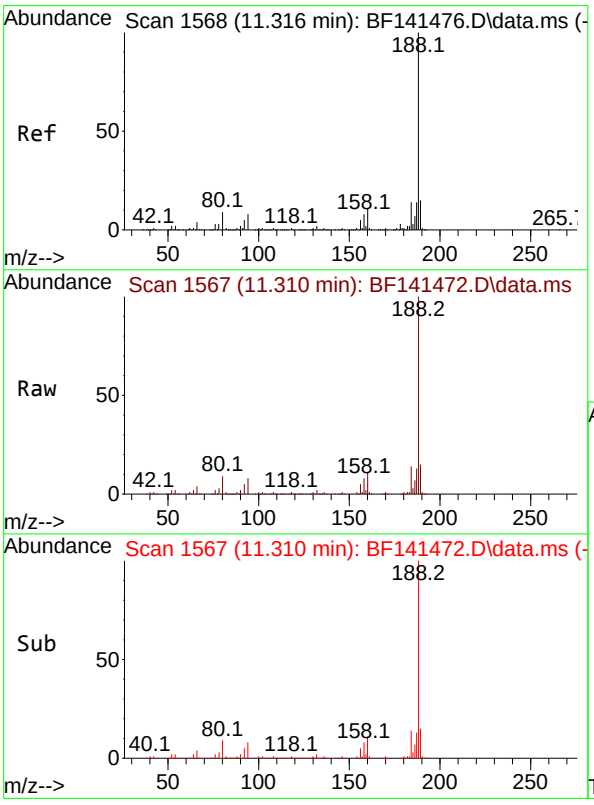

#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.15 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

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

Tgt Ion: 172

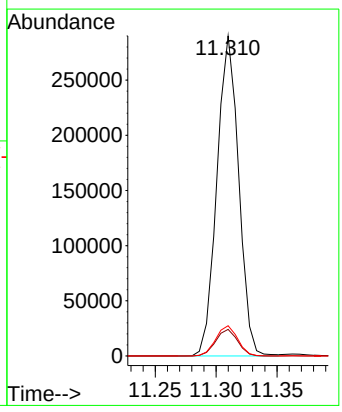
| Sig | Exp Ratio |
|---|---|
| 172 | 100 |
| 171 | 35.9 |
| 170 | 23.6 |

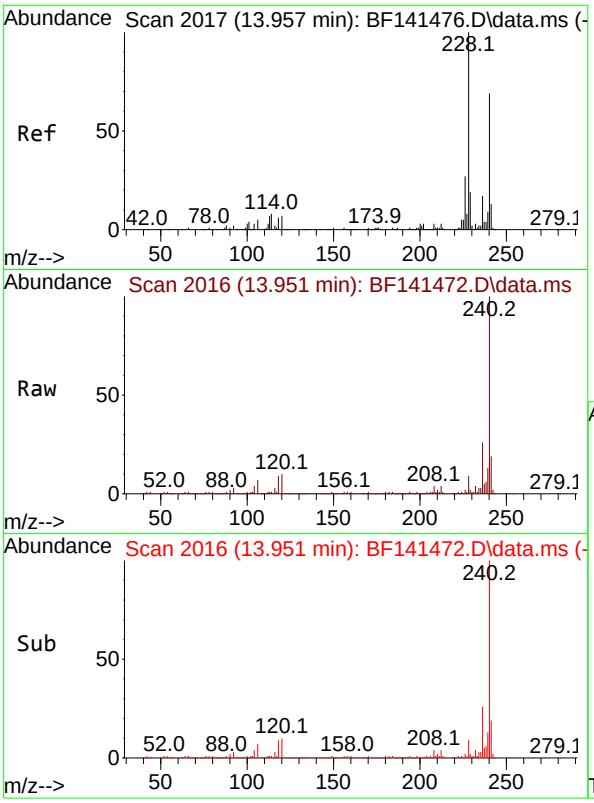



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion:188 Resp: 361595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.3 | 6.6 | 10.0 |
| 80 | 9.5 | 7.3 | 10.9 |



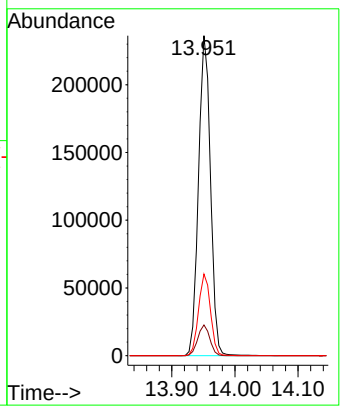


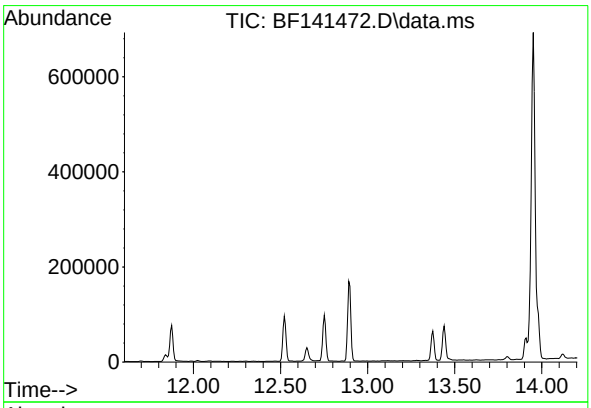

#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

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

Tgt Ion:240 Resp: 309941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.6 | 8.0 | 12.0 |
| 236 | 25.5 | 19.8 | 29.8 |



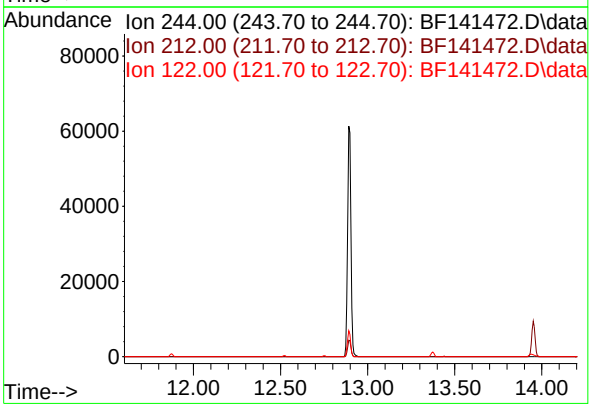



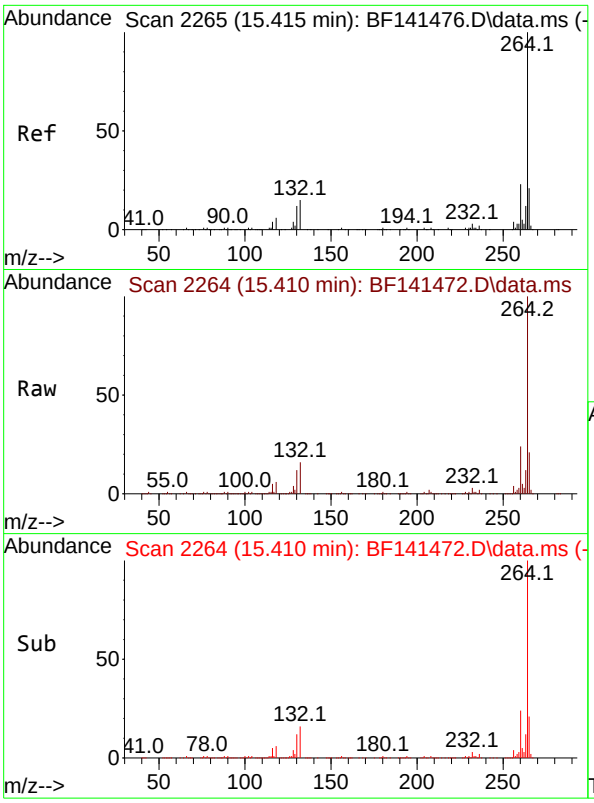

#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.90 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 244

| Sig | Exp Ratio |
|---|---|
| 244 | 100 |
| 212 | 7.0 |
| 122 | 10.5 |



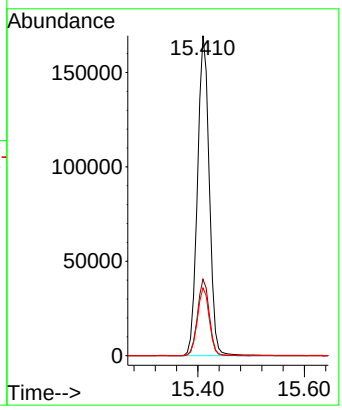



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

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

Tgt Ion:264 Resp: 259363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 18.6 | 28.0 |
| 265 | 21.2 | 17.0 | 25.4 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141473.D
Acq On : 06 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Feb 06 16:00:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.787 | 152 | 89396 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.069 | 136 | 358966 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.822 | 164 | 199514 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.310 | 188 | 351213 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.951 | 240 | 295087 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 15.410 | 264 | 233325 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.410 | 112 | 55200 | 9.680 | ng | | 0.00 |
| 7) Phenol-d6 | 6.422 | 99 | 72376 | 10.042 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.345 | 82 | 68257 | 9.918 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.610 | 330 | 20060 | 10.009 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 9.145 | 172 | 136925 | 10.573 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.892 | 244 | 166601 | 9.531 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.487 | 88 | 11419 | 4.976 | ng | | 95 |
| 3) Pyridine | 3.228 | 79 | 23540 | 4.310 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.152 | 42 | 16481 | 4.558 | ng | # | 96 |
| 6) Aniline | 6.445 | 93 | 32993 | 4.880 | ng | | 97 |
| 8) 2-Chlorophenol | 6.575 | 128 | 31263 | 5.074 | ng | | 99 |
| 9) Benzaldehyde | 6.334 | 77 | 19944 | 5.207 | ng | | 94 |
| 10) Phenol | 6.440 | 94 | 37833 | 5.044 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.522 | 93 | 28203 | 5.006 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.728 | 146 | 32913 | 5.060 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.804 | 146 | 34555 | 5.199 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.957 | 146 | 31141 | 5.049 | ng | | 96 |
| 15) Benzyl Alcohol | 6.928 | 79 | 26612 | 4.815 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063 | 45 | 49667 | 5.150 | ng | | 99 |
| 17) 2-Methylphenol | 7.045 | 107 | 24939 | 5.173 | ng | | 96 |
| 18) Hexachloroethane | 7.298 | 117 | 12043 | 4.896 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.192 | 70 | 21865 | 5.072 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.198 | 107 | 32221 | 5.258 | ng | | 94 |
| 22) Acetophenone | 7.192 | 105 | 46441 | 5.201 | ng | | 95 |
| 24) Nitrobenzene | 7.363 | 77 | 33173 | 4.943 | ng | | 99 |
| 25) Isophorone | 7.604 | 82 | 54796 | 4.993 | ng | | 99 |
| 26) 2-Nitrophenol | 7.687 | 139 | 15331 | 4.592 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.728 | 122 | 18659 | 4.784 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.816 | 93 | 34469 | 4.902 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.934 | 162 | 25667 | 4.870 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.010 | 180 | 29321 | 5.109 | ng | | 96 |
| 31) Naphthalene | 8.092 | 128 | 95730 | 5.123 | ng | | 99 |
| 33) 4-Chloroaniline | 8.145 | 127 | 31729 | 4.864 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.210 | 225 | 17323 | 5.028 | ng | | 98 |
| 35) Caprolactam | 8.475 | 113 | 7437 | 4.635 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 8.628 | 107 | 27818 | 4.765 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.781 | 142 | 61742 | 5.078 | ng | | 97 |
| 38) 1-Methylnaphthalene | 8.881 | 142 | 61026 | 5.182 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 8.945 | 216 | 29023 | 5.028 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.063 | 196 | 18144 | 4.863 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.110 | 196 | 19204 | 4.750 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.245 | 154 | 78931 | 5.103 | ng | | 100 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141473.D
Acq On : 06 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Feb 06 16:00:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

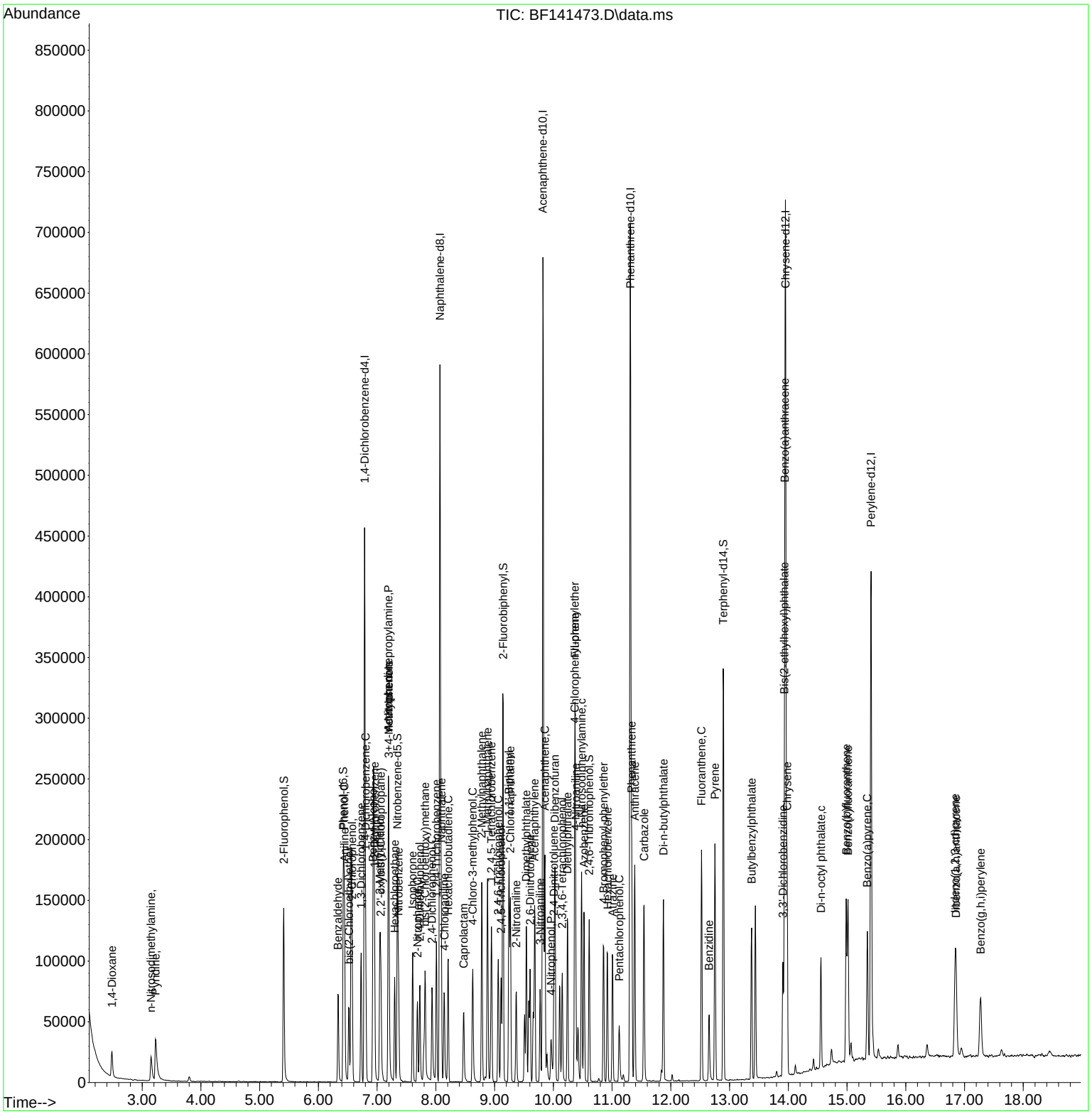
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 47) 2-Chloronaphthalene | 9.269 | 162 | 58201 | 5.088 | ng | | 100 |
| 48) 2-Nitroaniline | 9.369 | 65 | 18494 | 4.818 | ng | | 98 |
| 49) Acenaphthylene | 9.681 | 152 | 86721 | 5.097 | ng | | 100 |
| 50) Dimethylphthalate | 9.539 | 163 | 68921 | 5.088 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.604 | 165 | 14394 | 4.861 | ng | | 94 |
| 52) Acenaphthene | 9.857 | 154 | 59139 | 5.171 | ng | | 99 |
| 53) 3-Nitroaniline | 9.775 | 138 | 15563 | 4.884 | ng | | 98 |
| 55) Dibenzofuran | 10.028 | 168 | 88178 | 5.252 | ng | | 99 |
| 56) 4-Nitrophenol | 9.963 | 139 | 9482 | 4.008 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 10.010 | 165 | 19087 | 4.842 | ng | # | 96 |
| 58) Fluorene | 10.369 | 166 | 67764 | 5.220 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.151 | 232 | 16570 | 4.760 | ng | | 99 |
| 60) Diethylphthalate | 10.239 | 149 | 69845 | 5.241 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.363 | 204 | 32951 | 5.277 | ng | | 99 |
| 62) 4-Nitroaniline | 10.381 | 138 | 15711 | 4.855 | ng | | 95 |
| 63) Azobenzene | 10.522 | 77 | 67256 | 5.077 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 10.481 | 169 | 57063 | 5.076 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248 | 20012 | 5.098 | ng | | 99 |
| 68) Hexachlorobenzene | 10.922 | 284 | 20138 | 4.982 | ng | | 98 |
| 69) Atrazine | 11.010 | 200 | 17519 | 5.194 | ng | | 93 |
| 70) Pentachlorophenol | 11.122 | 266 | 10151 | 3.928 | ng | | 98 |
| 71) Phenanthrene | 11.333 | 178 | 100202 | 5.183 | ng | | 100 |
| 72) Anthracene | 11.386 | 178 | 102596 | 5.279 | ng | | 98 |
| 73) Carbazole | 11.545 | 167 | 89721 | 5.131 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.875 | 149 | 102296 | 5.066 | ng | | 100 |
| 75) Fluoranthene | 12.522 | 202 | 109883 | 5.361 | ng | | 98 |
| 77) Benzidine | 12.651 | 184 | 34946 | 5.370 | ng | | 99 |
| 78) Pyrene | 12.751 | 202 | 112700 | 4.486 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.374 | 149 | 38714 | 4.449 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.939 | 228 | 101861 | 5.193 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.910 | 252 | 29306 | 5.216 | ng | | 98 |
| 83) Chrysene | 13.980 | 228 | 87555 | 4.834 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.933 | 149 | 43735 | 4.457 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.557 | 149 | 59200 | 4.229 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.839 | 276 | 57572 | 3.993 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 14.986 | 252 | 75033 | 4.789 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.016 | 252 | 64919 | 4.853 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.345 | 252 | 63295 | 4.993 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.857 | 278 | 46421 | 3.974 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.274 | 276 | 46952 | 3.841 | ng | | 99 |

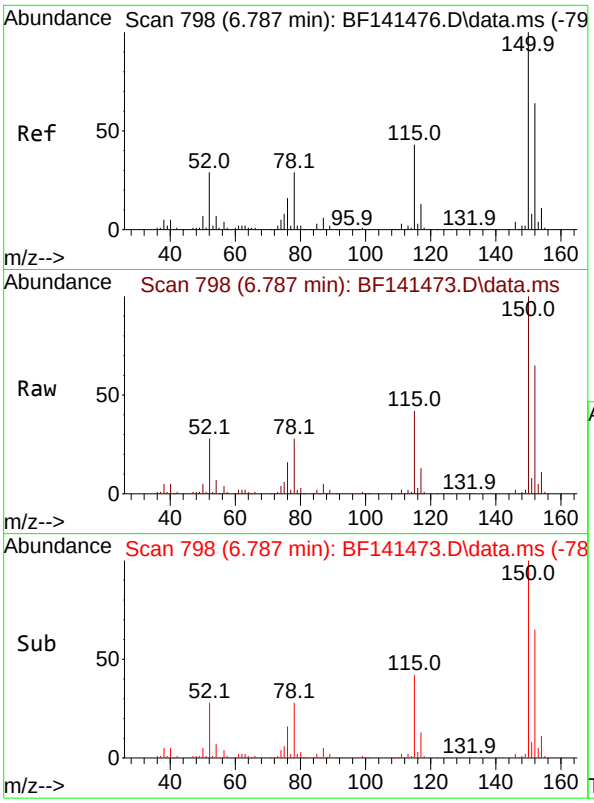
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141473.D
Acq On : 06 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Feb 06 16:00:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



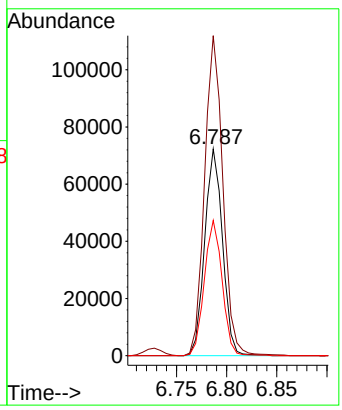


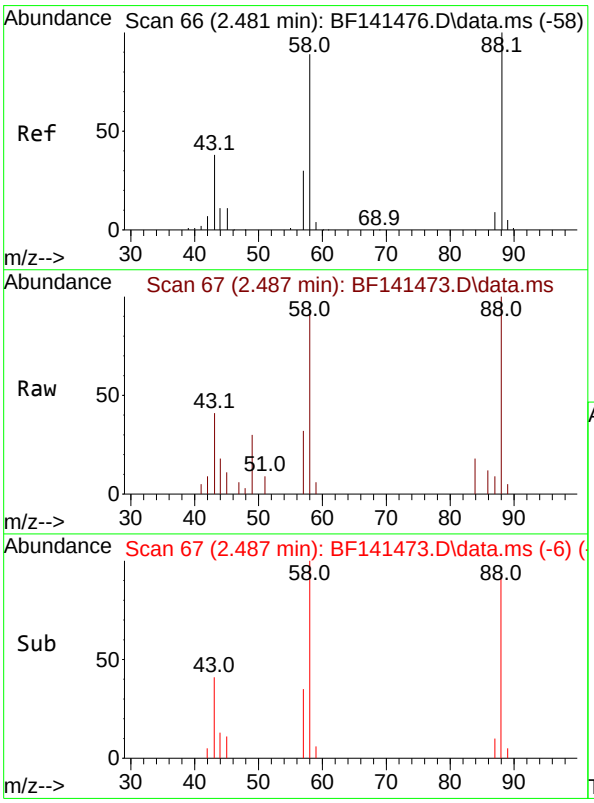

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:152 Resp: 89396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.8 | 125.0 | 187.4 |
| 115 | 65.4 | 53.6 | 80.4 |

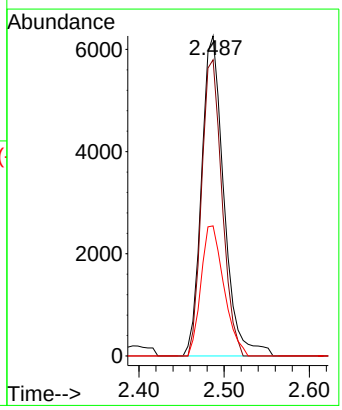


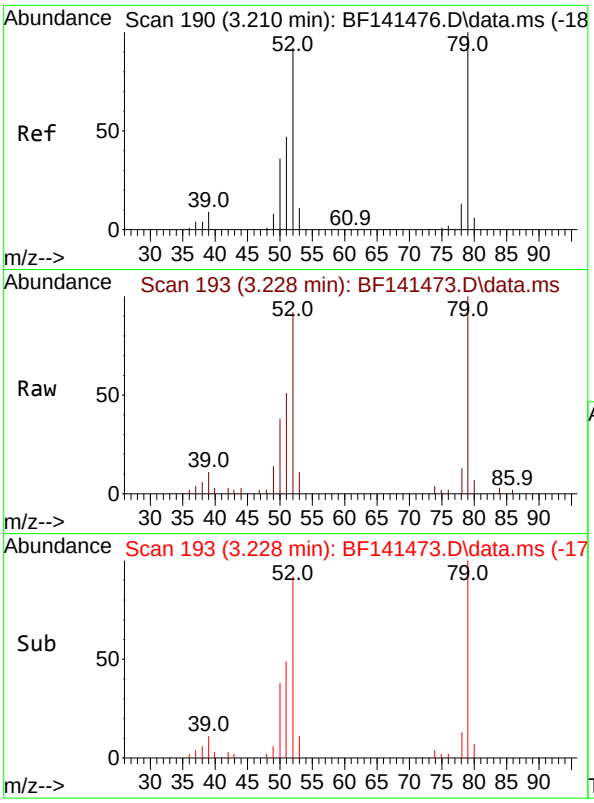




#2
1,4-Dioxane
Concen: 4.976 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 88 Resp: 11419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 84.3 | 71.1 | 106.7 |
| 43 | 41.7 | 30.6 | 46.0 |



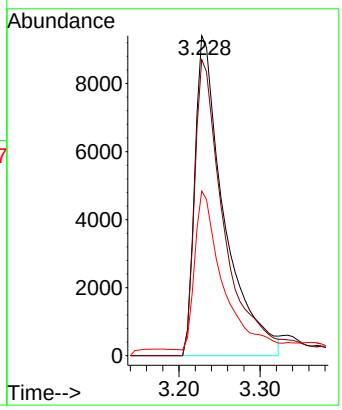


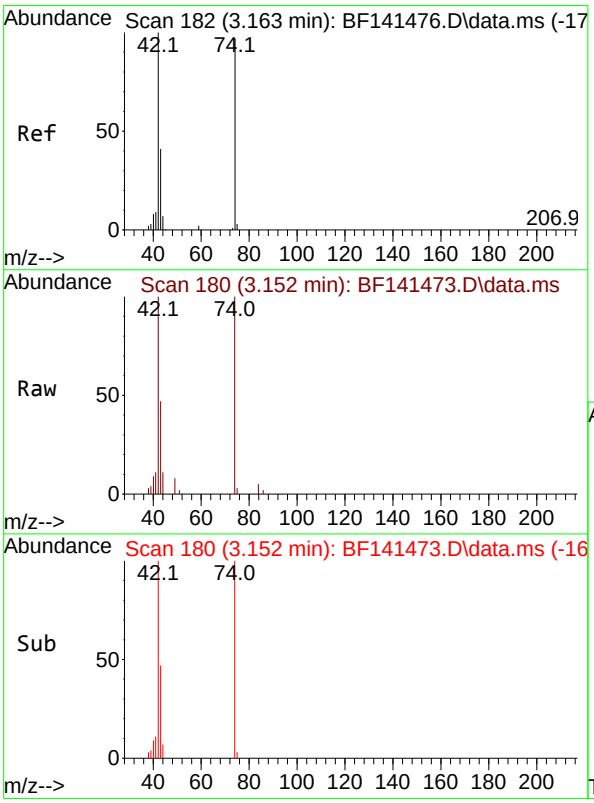

#3
Pyridine
Concen: 4.310 ng
RT: 3.228 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion: 79 Resp: 23540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 92.5 | 73.7 | 110.5 |
| 51 | 51.5 | 37.5 | 56.3 |

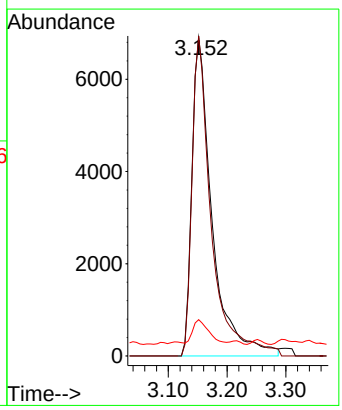


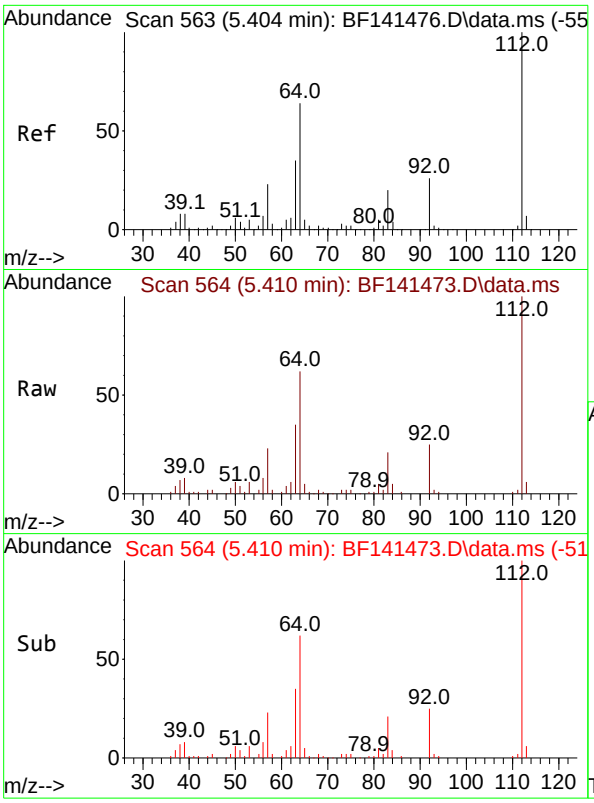




#4
n-Nitrosodimethylamine
Concen: 4.558 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 42 Resp: 16481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 100.5 | 78.0 | 117.0 |
| 44 | 11.4 | 5.4 | 8.2# |



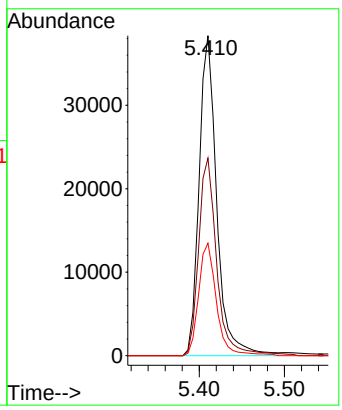


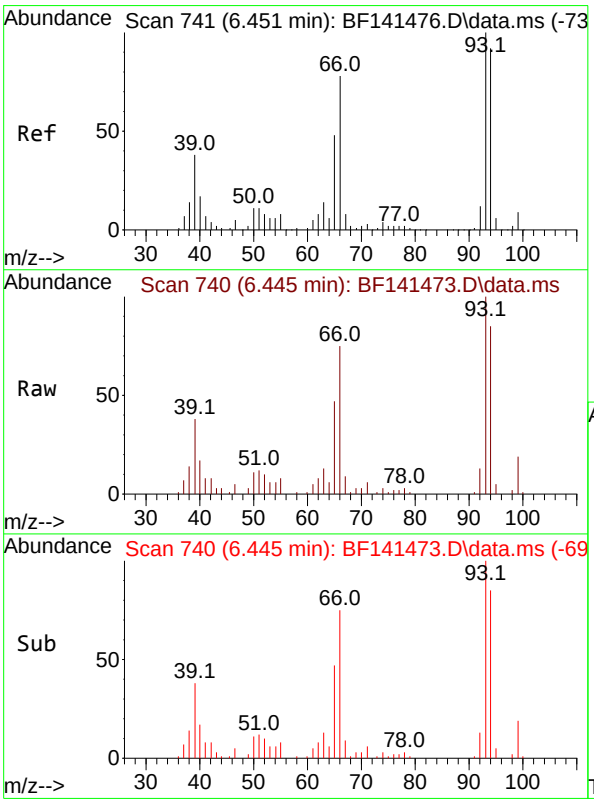

#5
2-Fluorophenol
Concen: 9.680 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:112 Resp: 55200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.8 | 51.1 | 76.7 |
| 63 | 35.1 | 28.4 | 42.6 |

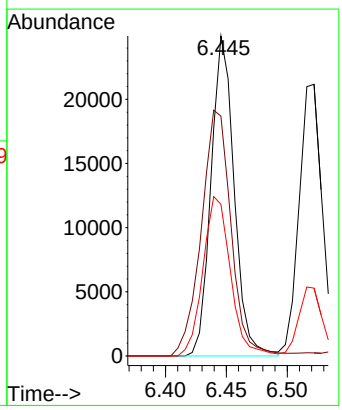


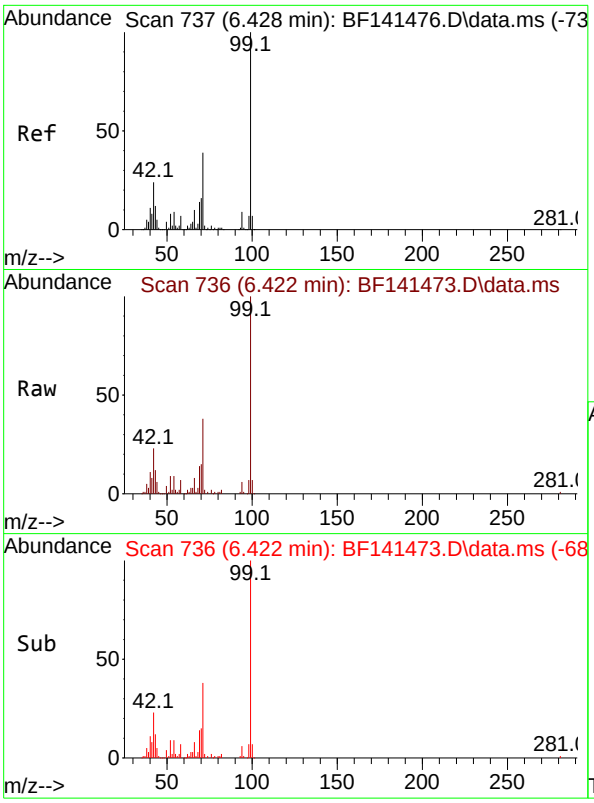




#6
Aniline
Concen: 4.880 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 93 Resp: 32993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 75.0 | 62.6 | 94.0 |
| 65 | 47.4 | 38.3 | 57.5 |



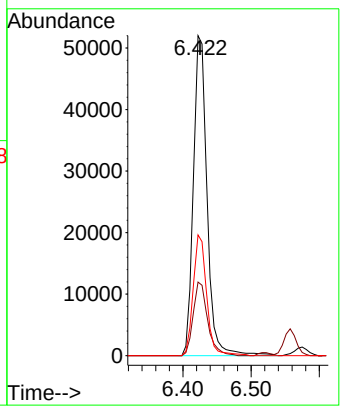


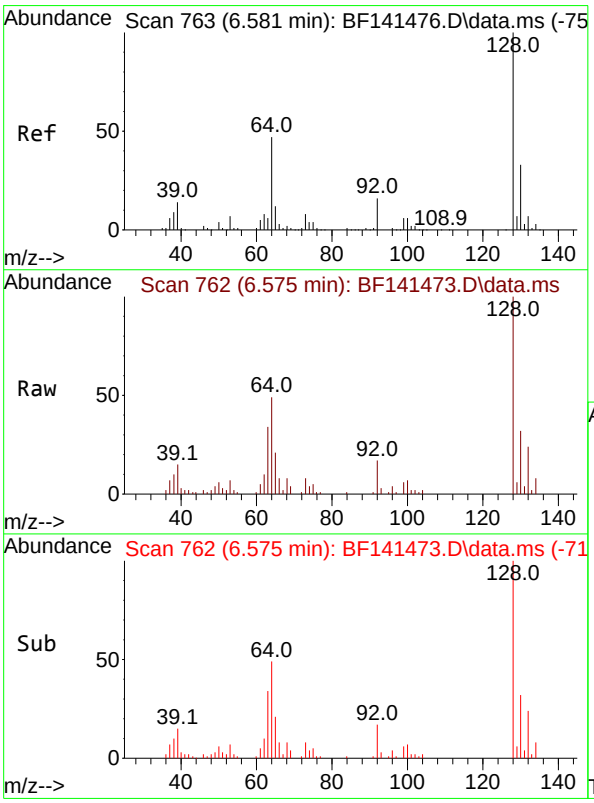

#7
Phenol-d6
Concen: 10.042 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion: 99 Resp: 72376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.0 | 19.1 | 28.7 |
| 71 | 37.7 | 31.1 | 46.7 |

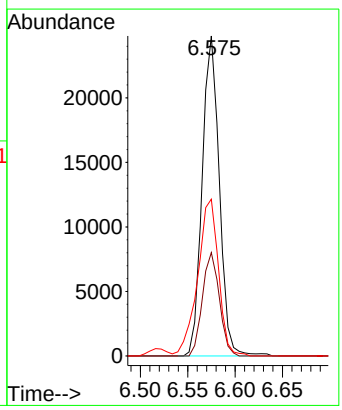


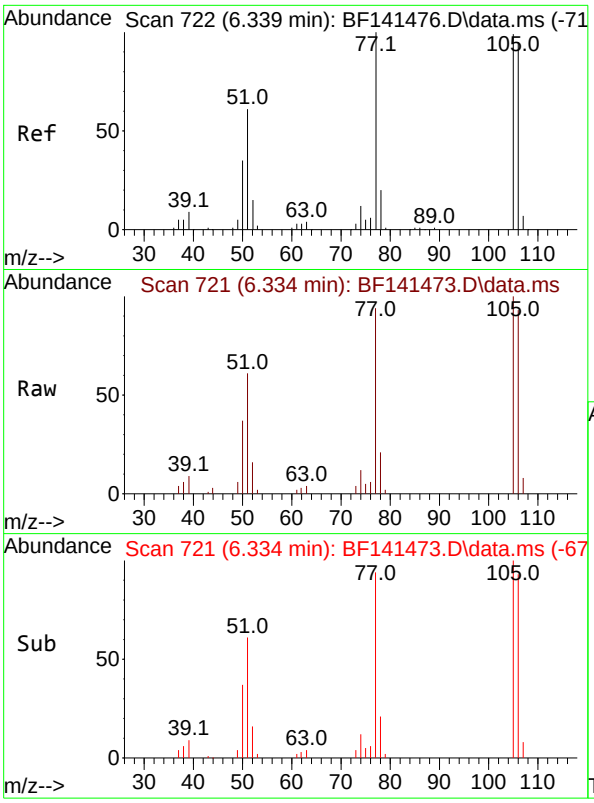




#8
2-Chlorophenol
Concen: 5.074 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:128 Resp: 31263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.3 | 12.7 | 52.7 |
| 64 | 49.0 | 28.3 | 68.3 |



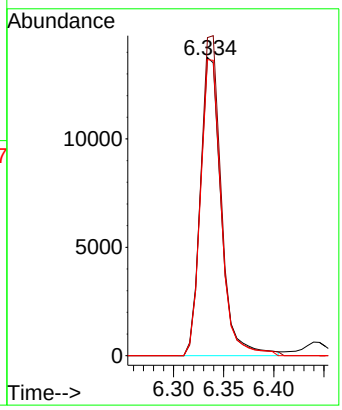


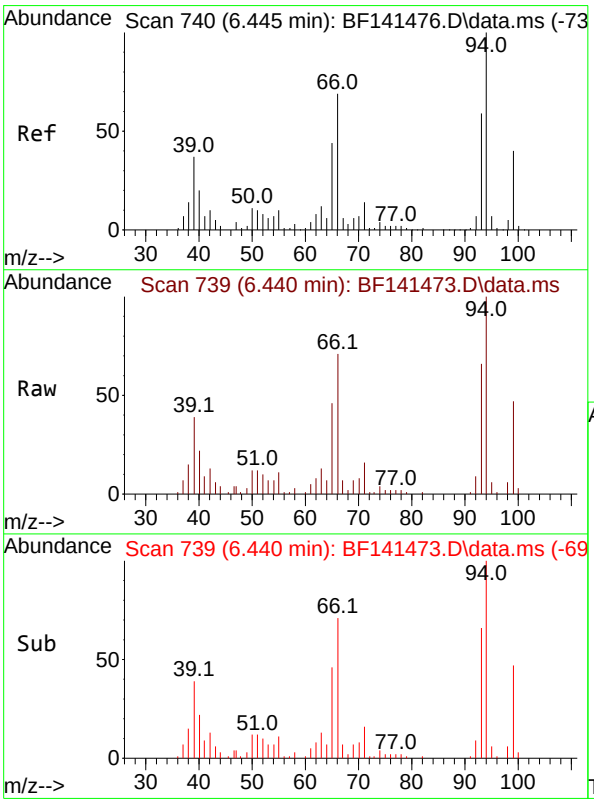

#9
Benzaldehyde
Concen: 5.207 ng
RT: 6.334 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion: 77 Resp: 19944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 106.6 | 79.4 | 119.4 |
| 106 | 99.2 | 75.1 | 115.1 |

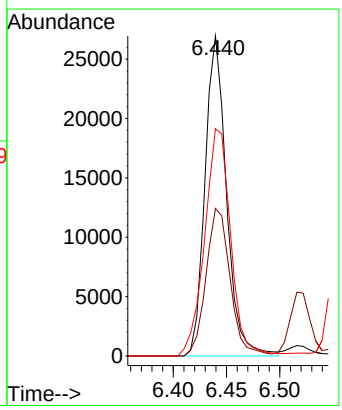


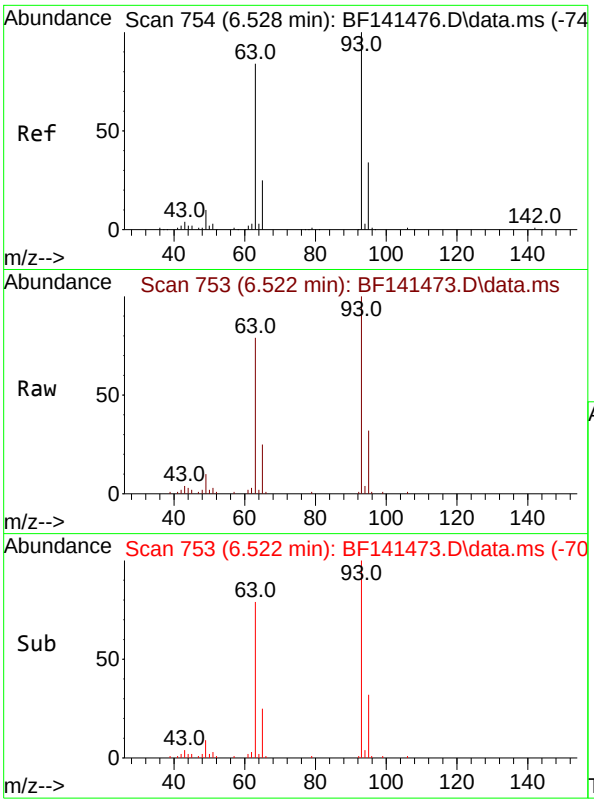




#10
Phenol
Concen: 5.044 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 94 Resp: 37833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 46.1 | 23.7 | 63.7 |
| 66 | 71.1 | 49.3 | 89.3 |



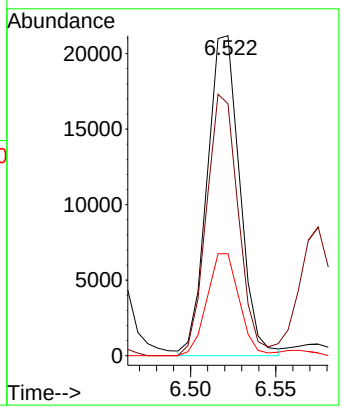


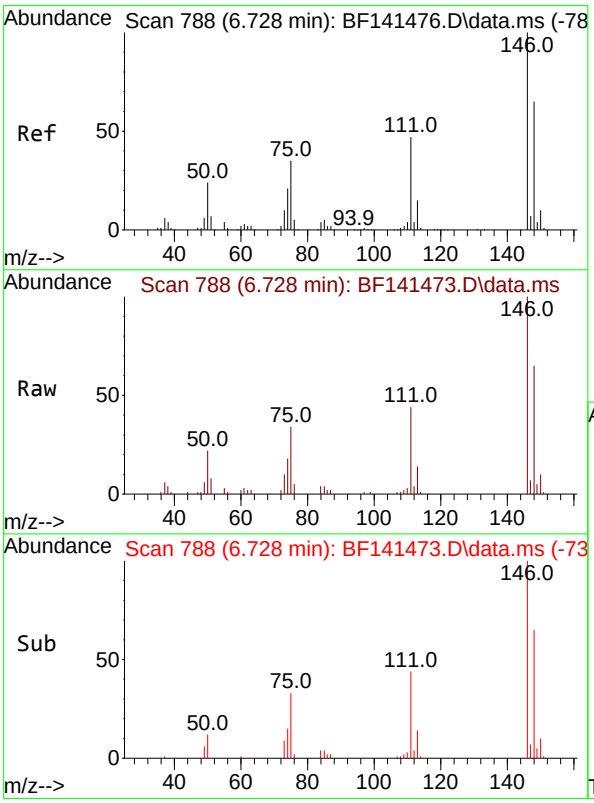

#11
bis(2-Chloroethyl)ether
Concen: 5.006 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion: 93 Resp: 28203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 78.7 | 62.0 | 102.0 |
| 95 | 31.9 | 12.6 | 52.6 |

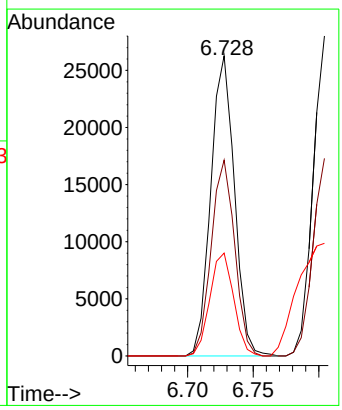


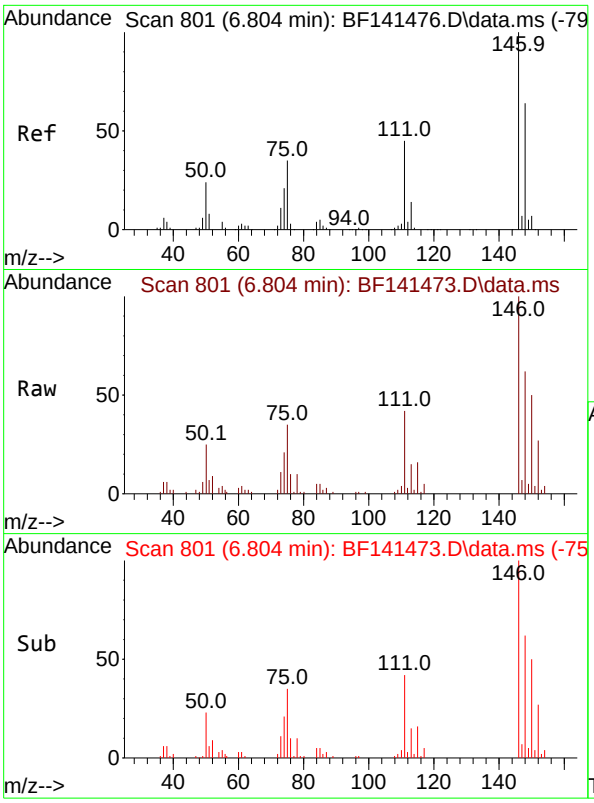




#12
1,3-Dichlorobenzene
Concen: 5.060 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:146 Resp: 32913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.3 | 51.9 | 77.9 |
| 75 | 34.3 | 28.2 | 42.2 |



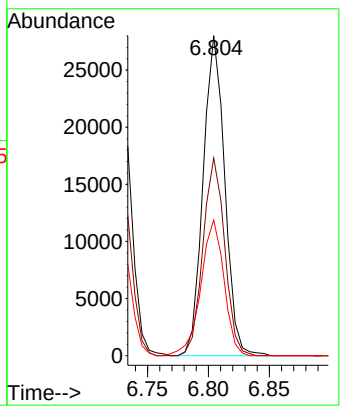


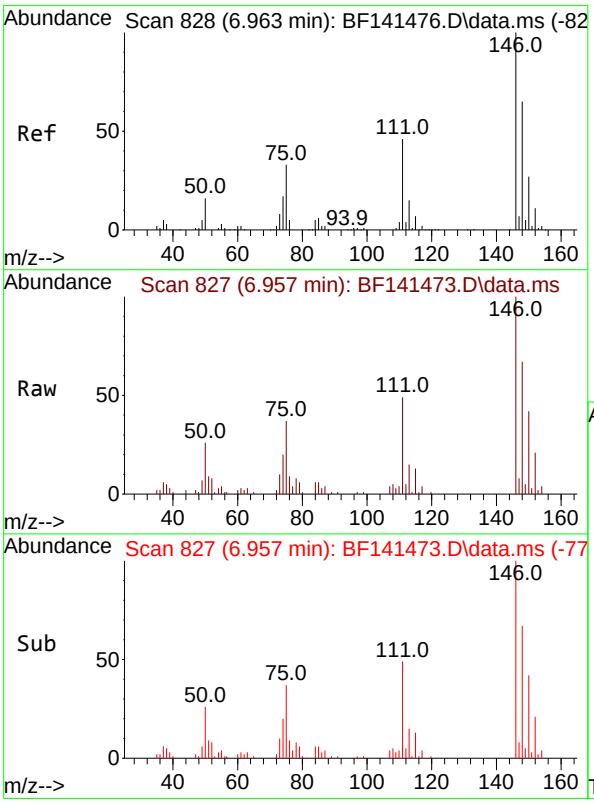

#13
1,4-Dichlorobenzene
Concen: 5.199 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:146 Resp: 34555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 61.7 | 50.9 | 76.3 |
| 111 | 42.4 | 35.9 | 53.9 |

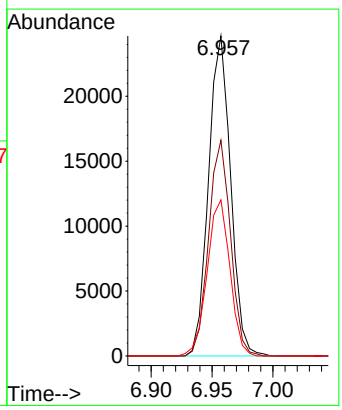


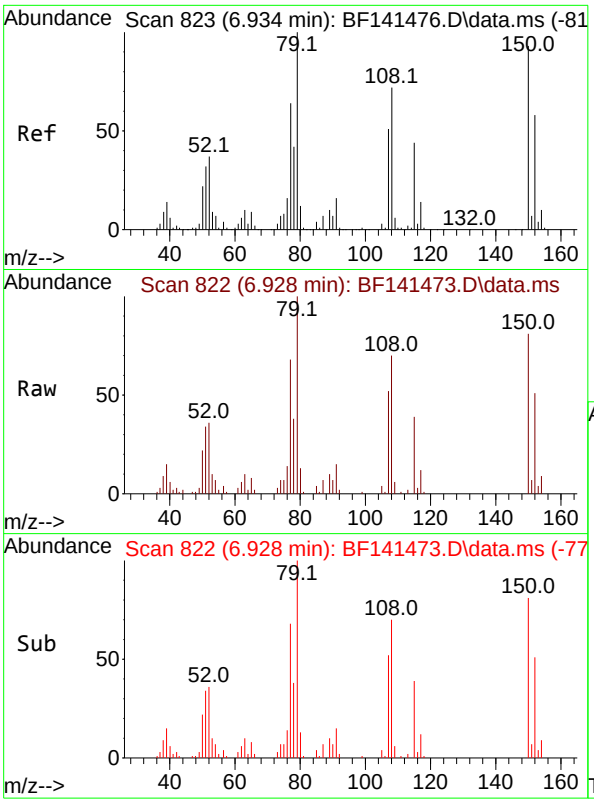




#14
1,2-Dichlorobenzene
Concen: 5.049 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:146 Resp: 31141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 67.4 | 51.8 | 77.6 |
| 111 | 48.8 | 37.0 | 55.4 |



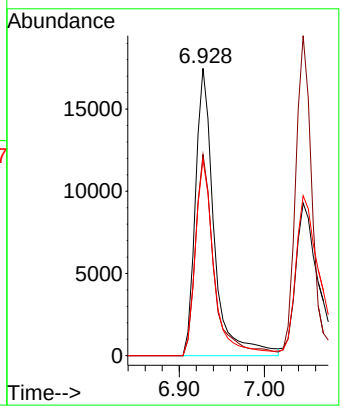


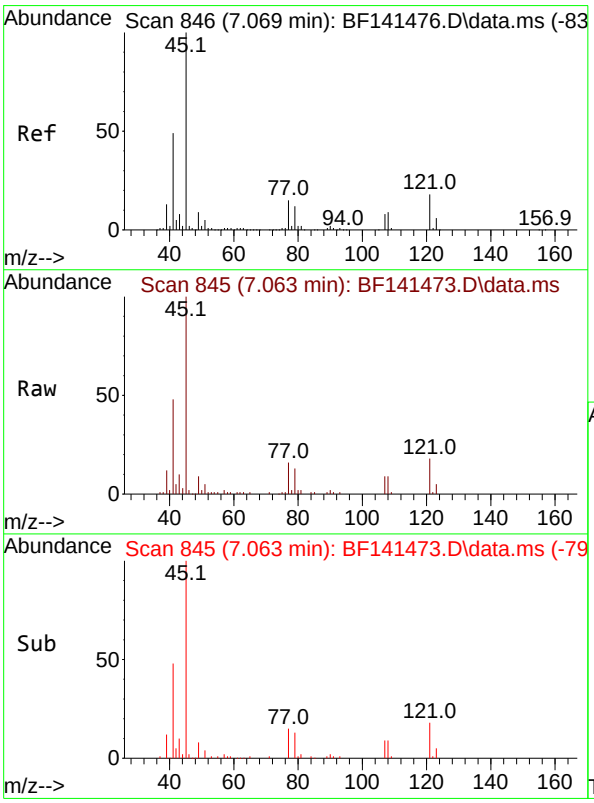

#15
Benzyl Alcohol
Concen: 4.815 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion: 79 Resp: 26612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 70.0 | 57.4 | 86.2 |
| 77 | 68.2 | 50.9 | 76.3 |

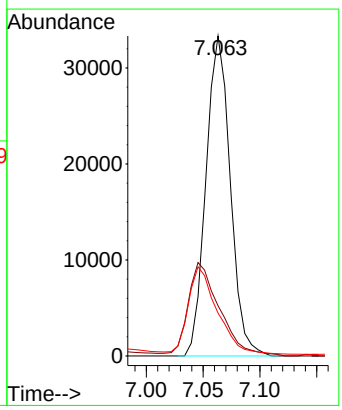


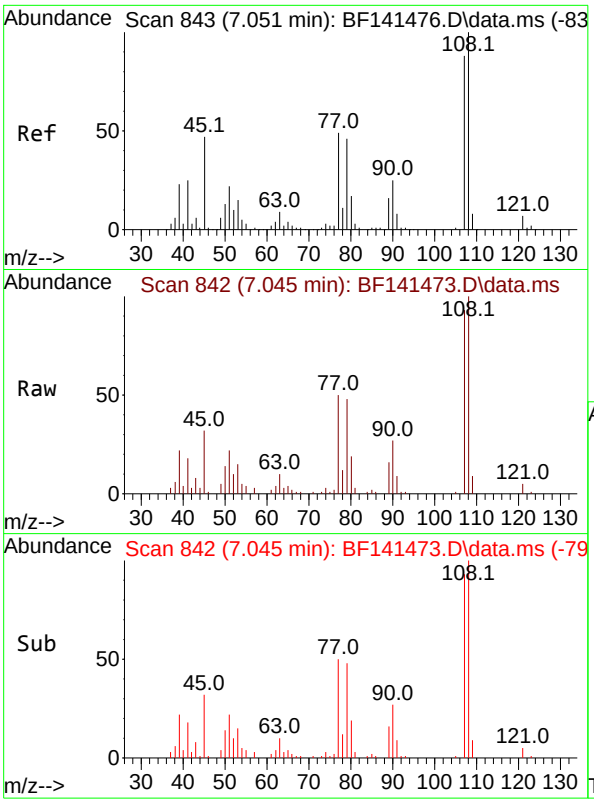




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.150 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 45 Resp: 49667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 15.7 | 0.0 | 35.8 |
| 79 | 13.4 | 0.0 | 32.7 |



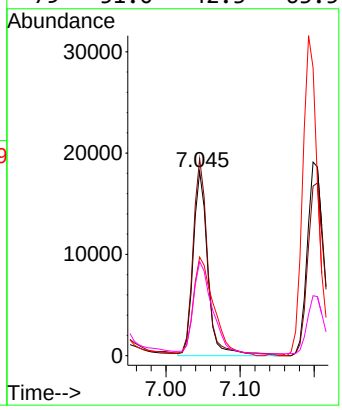


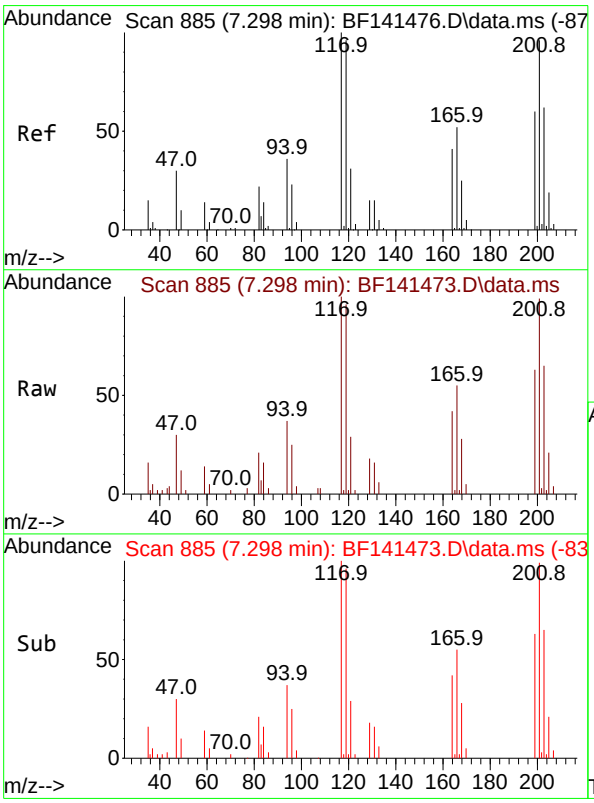

#17
2-Methylphenol
Concen: 5.173 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:107 Resp: 24939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 107.0 | 90.6 | 136.0 |
| 77 | 53.5 | 44.4 | 66.6 |
| 79 | 51.0 | 42.3 | 63.5 |

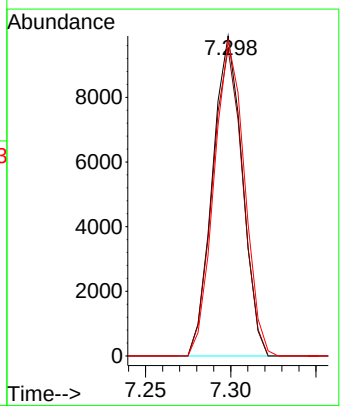


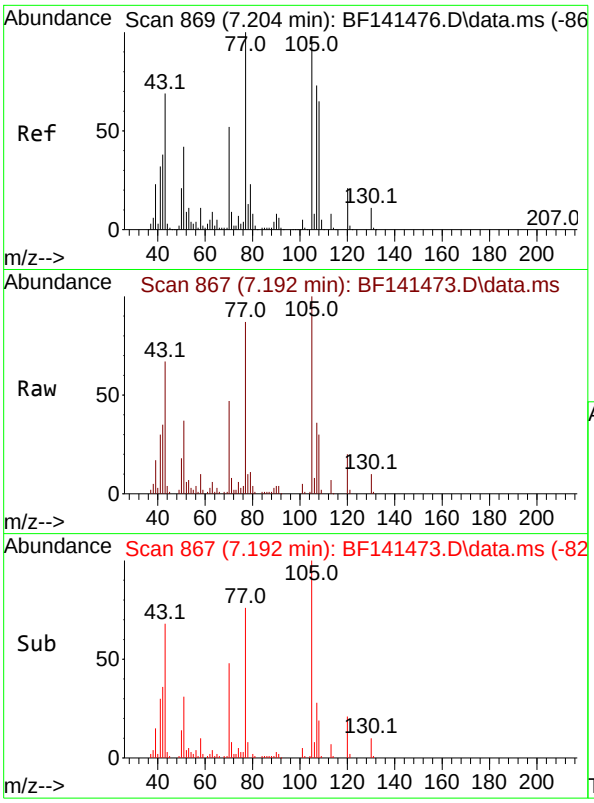




#18
Hexachloroethane
Concen: 4.896 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:117 Resp: 12043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.0 | 76.5 | 114.7 |
| 201 | 98.5 | 76.7 | 115.1 |



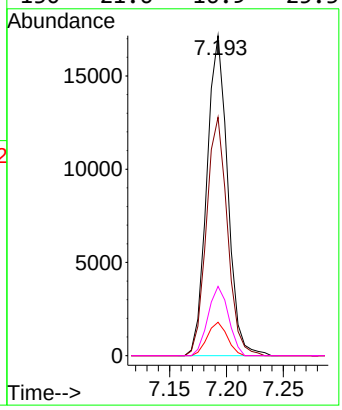


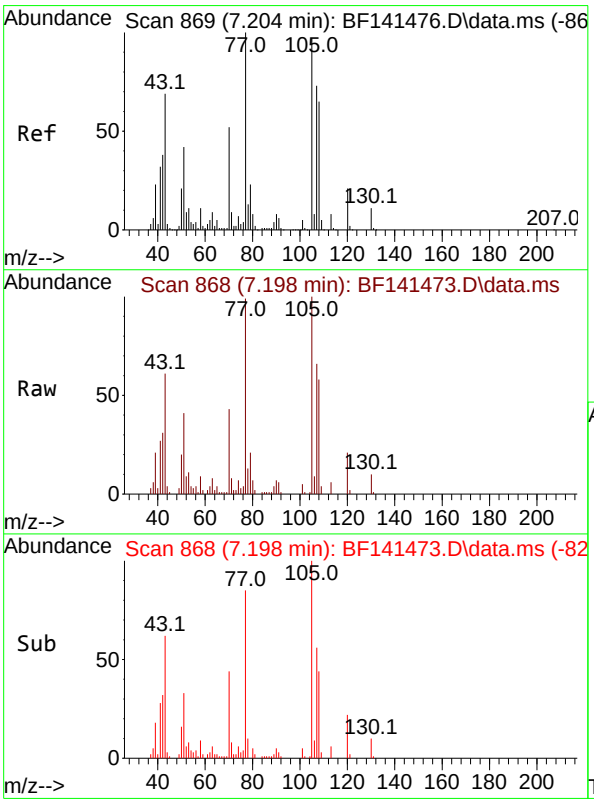

#19
n-Nitroso-di-n-propylamine
Concen: 5.072 ng
RT: 7.192 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion: 70 Resp: 21865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 74.5 | 57.4 | 86.2 |
| 101 | 10.5 | 8.0 | 12.0 |
| 130 | 21.6 | 16.9 | 25.3 |

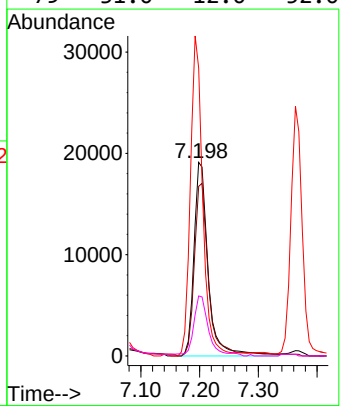


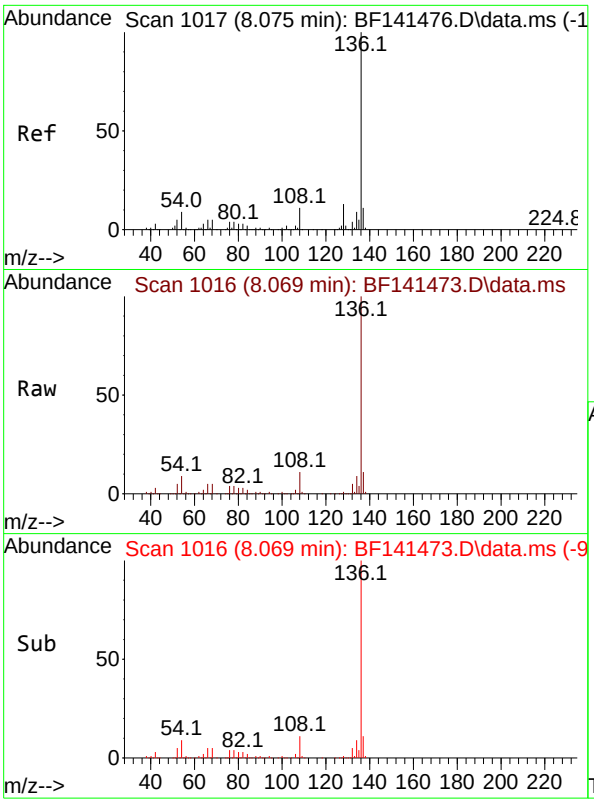




#20
3+4-Methylphenols
Concen: 5.258 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:107 Resp: 32221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 87.6 | 68.5 | 108.5 |
| 77 | 148.7 | 116.5 | 156.5 |
| 79 | 31.0 | 12.0 | 52.0 |



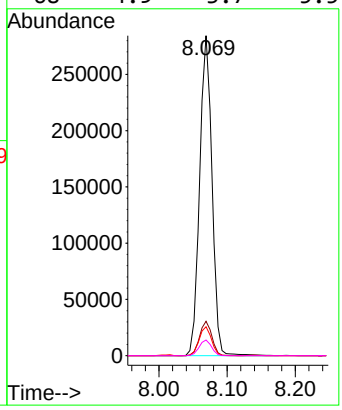


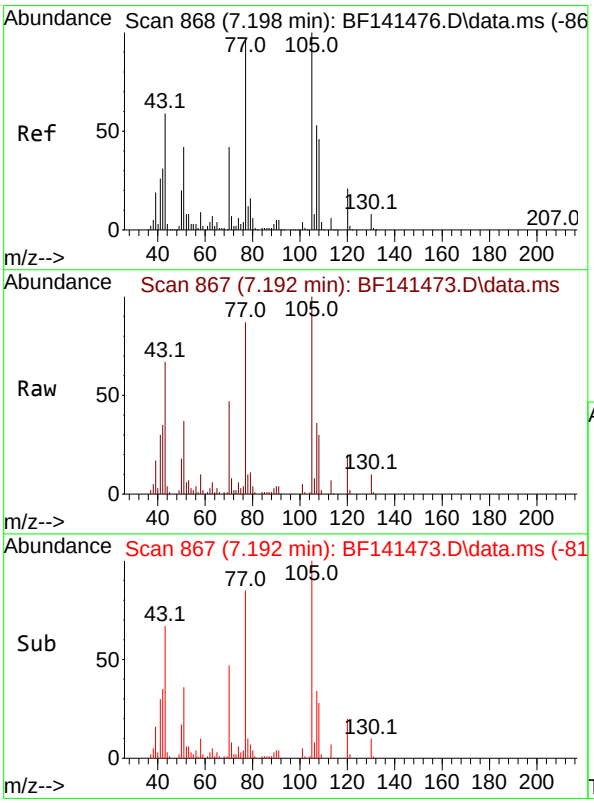

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:136 Resp: 358966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.6 | 13.0 |
| 54 | 9.0 | 7.2 | 10.8 |
| 68 | 4.9 | 3.7 | 5.5 |

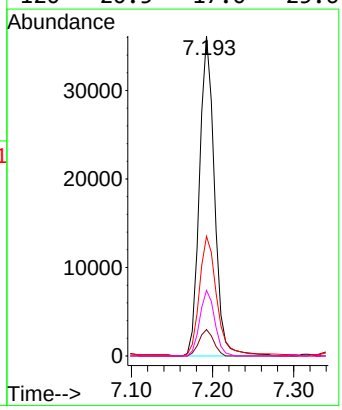


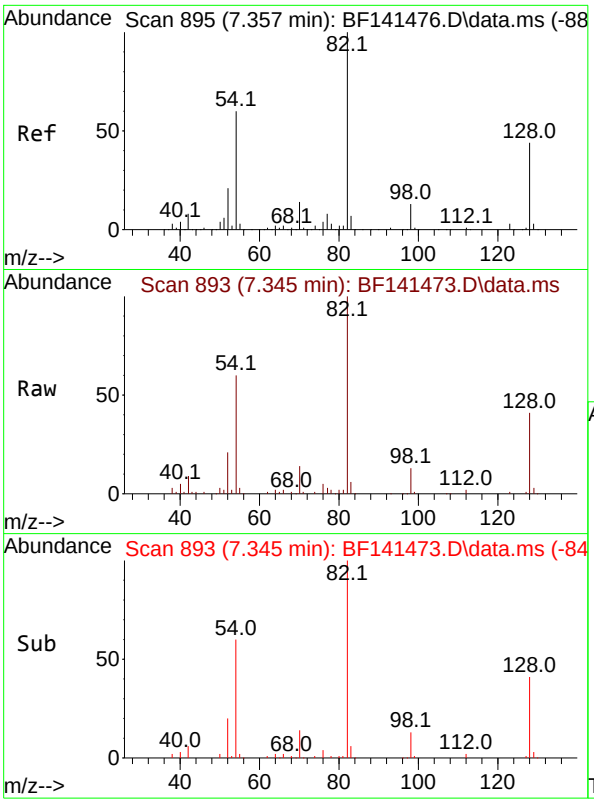




#22
Acetophenone
Concen: 5.201 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:105 Resp: 46441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.3 | 5.7 | 8.5 |
| 51 | 37.4 | 33.7 | 50.5 |
| 120 | 20.5 | 17.0 | 25.6 |



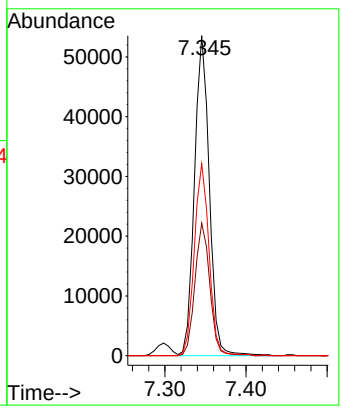


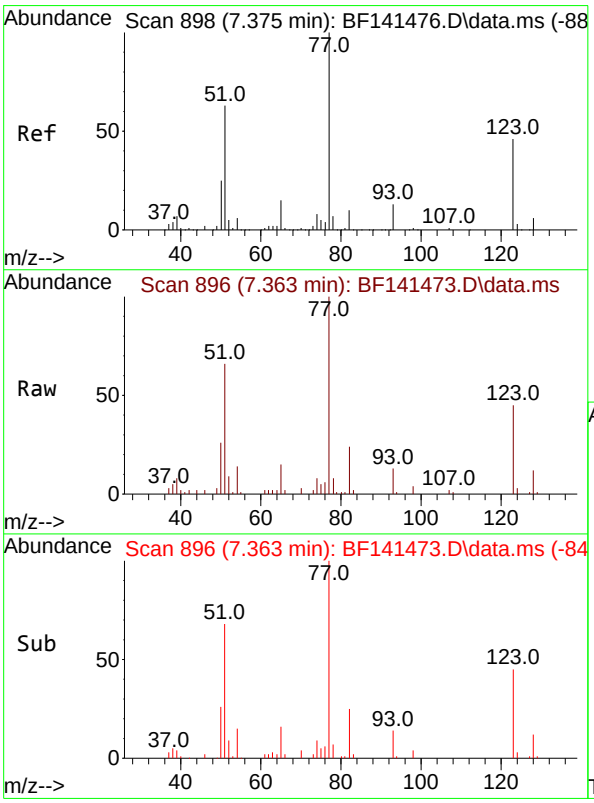

#23
Nitrobenzene-d5
Concen: 9.918 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion: 82 Resp: 68257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.4 | 34.8 | 52.2 |
| 54 | 60.0 | 48.2 | 72.4 |

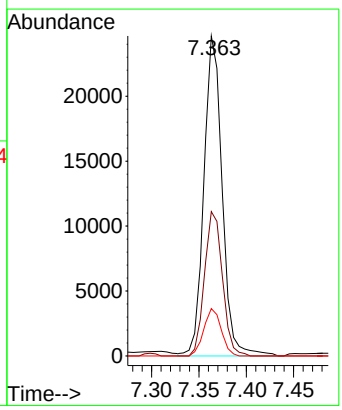


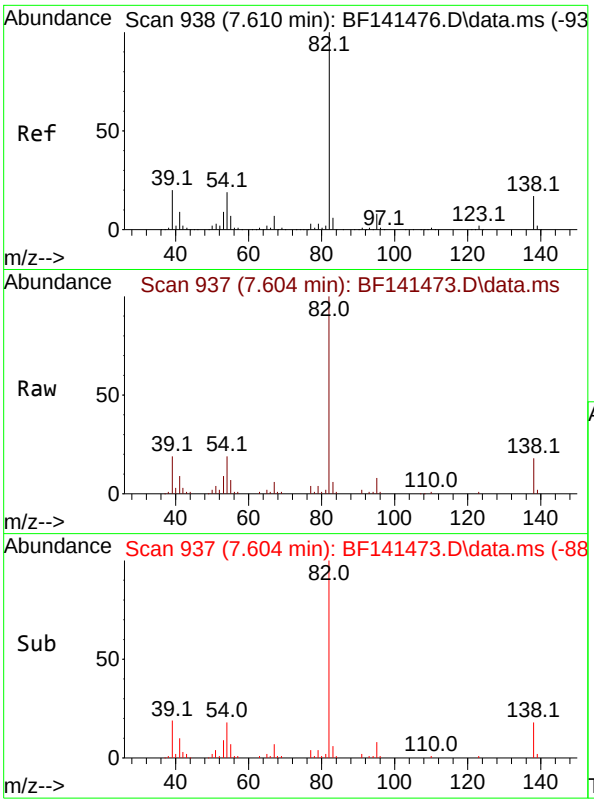




#24
Nitrobenzene
Concen: 4.943 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 77 Resp: 33173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 45.1 | 36.9 | 55.3 |
| 65 | 14.8 | 11.9 | 17.9 |



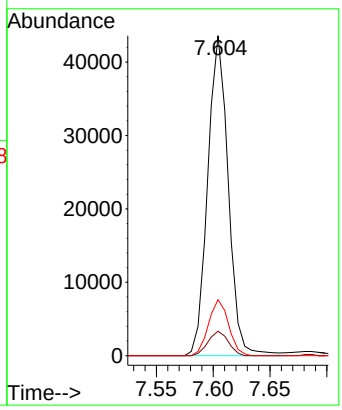


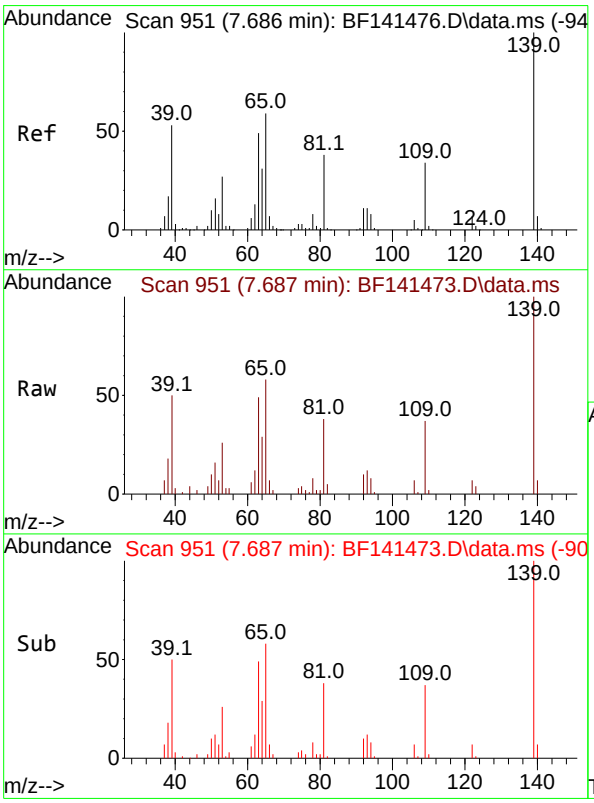

#25
Isophorone
Concen: 4.993 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion: 82 Resp: 54796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.6 | 6.4 | 9.6 |
| 138 | 17.5 | 13.9 | 20.9 |

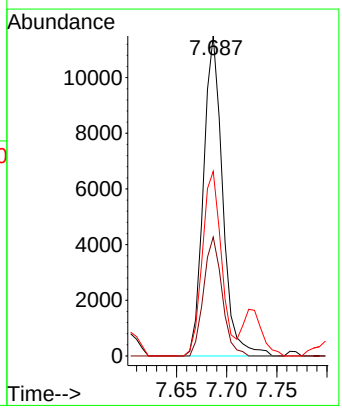


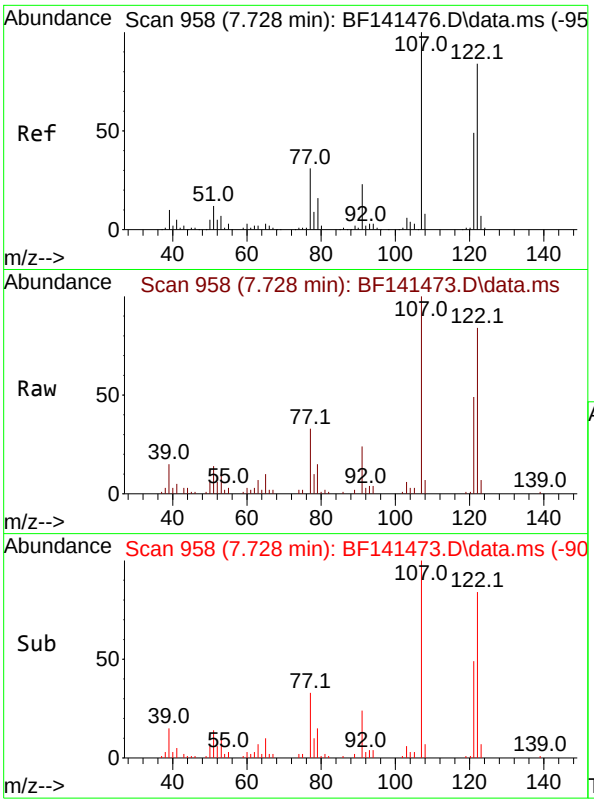




#26
2-Nitrophenol
Concen: 4.592 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:139 Resp: 15331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 37.1 | 27.0 | 40.6 |
| 65 | 57.7 | 47.1 | 70.7 |



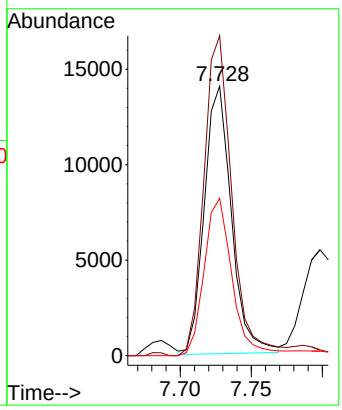


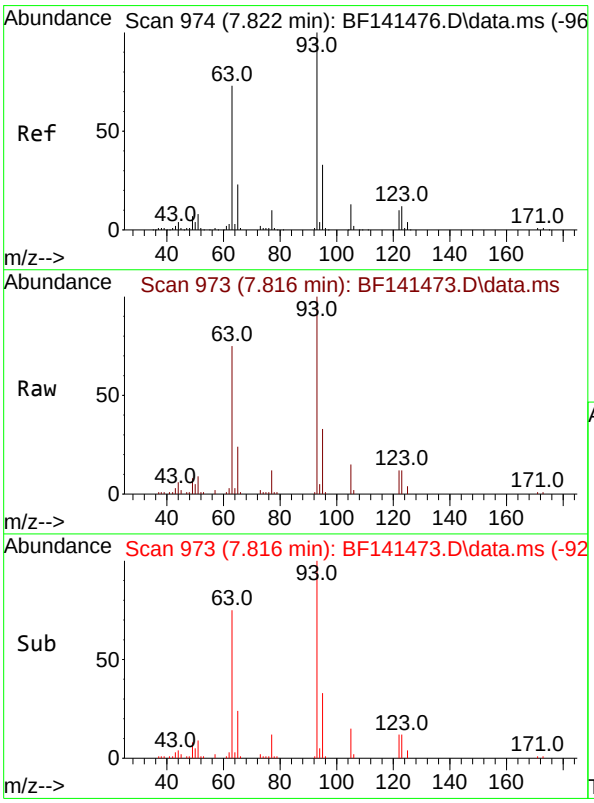

#27
2,4-Dimethylphenol
Concen: 4.784 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:122 Resp: 18659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 118.7 | 94.3 | 141.5 |
| 121 | 58.4 | 46.0 | 69.0 |

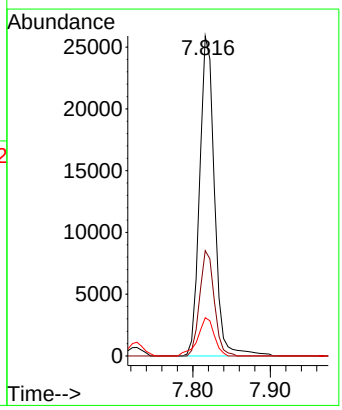


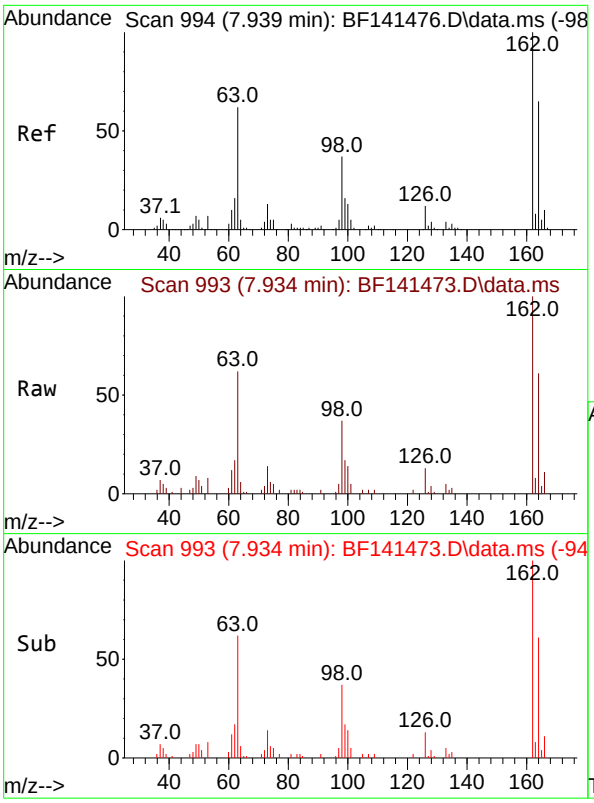




#28
bis(2-Chloroethoxy)methane
Concen: 4.902 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 93 Resp: 34469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.9 | 26.1 | 39.1 |
| 123 | 12.0 | 9.5 | 14.3 |



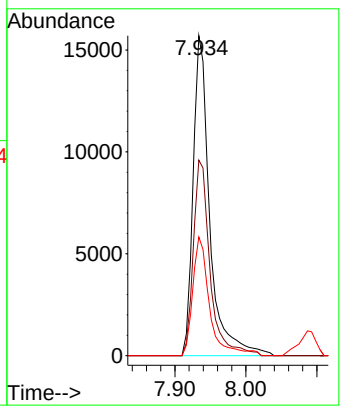


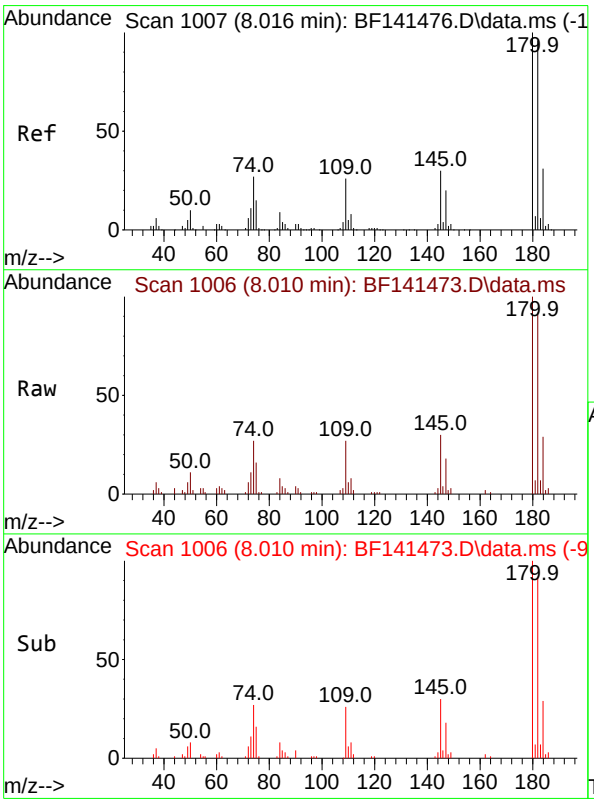

#29
2,4-Dichlorophenol
Concen: 4.870 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:162 Resp: 25667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 61.1 | 44.6 | 84.6 |
| 98 | 37.1 | 17.2 | 57.2 |

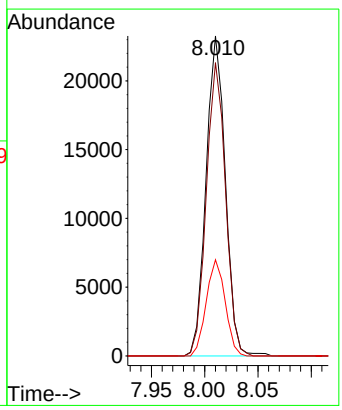


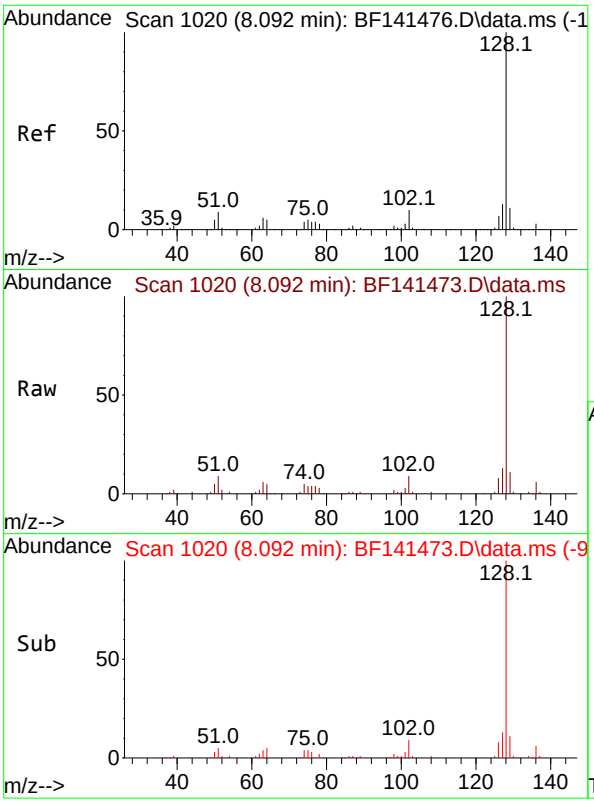




#30
1,2,4-Trichlorobenzene
Concen: 5.109 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:180 Resp: 29321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.6 | 76.8 | 115.2 |
| 145 | 30.0 | 24.2 | 36.4 |



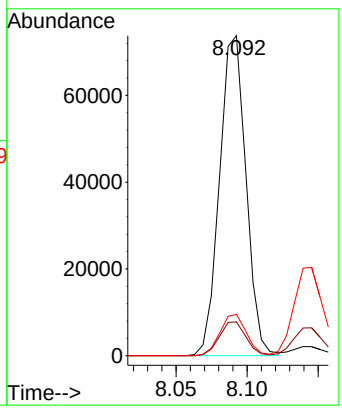


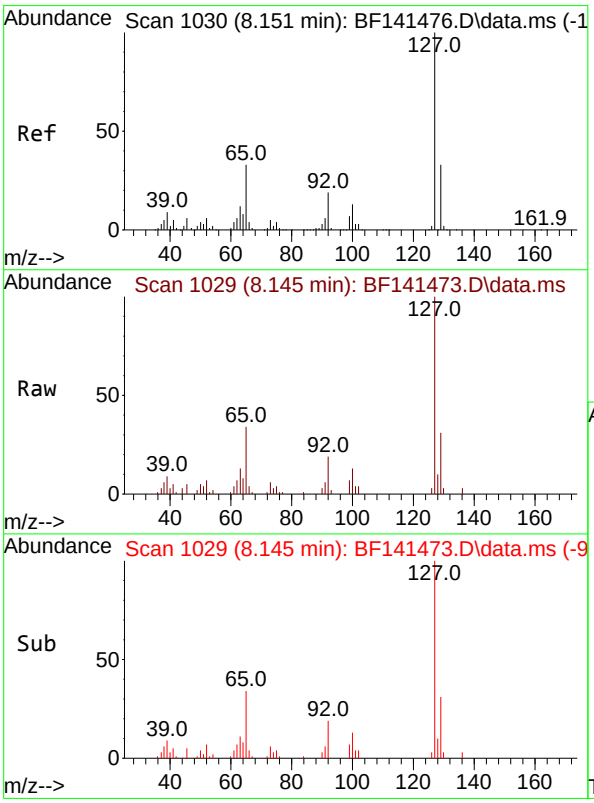

#31
Naphthalene
Concen: 5.123 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:128 Resp: 95730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.6 | 8.9 | 13.3 |
| 127 | 12.9 | 10.7 | 16.1 |

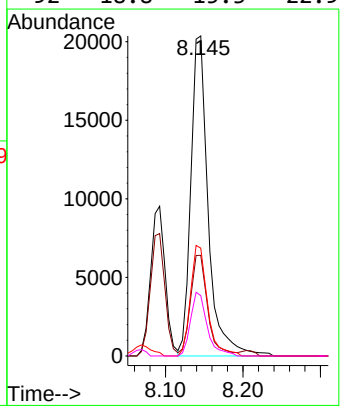


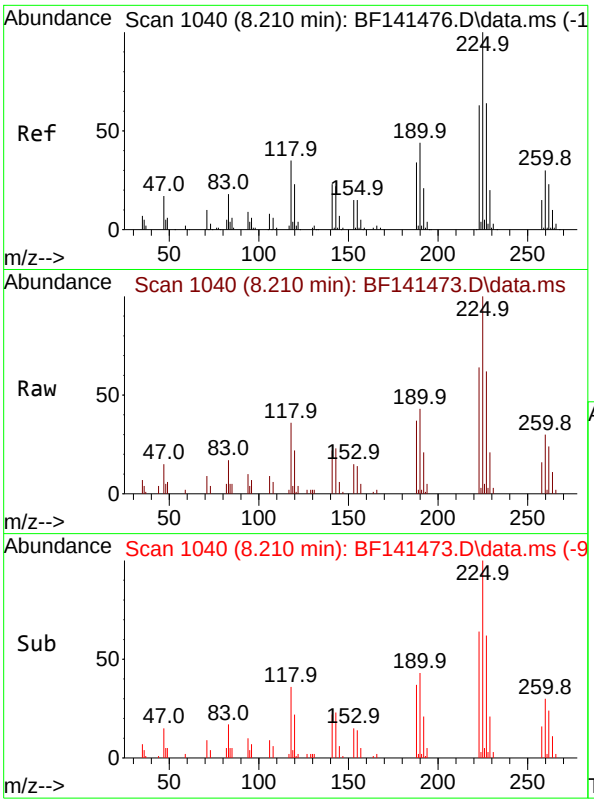




#33
4-Chloroaniline
Concen: 4.864 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:127 Resp: 31729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.4 | 26.5 | 39.7 |
| 65 | 33.7 | 26.4 | 39.6 |
| 92 | 18.8 | 15.3 | 22.9 |



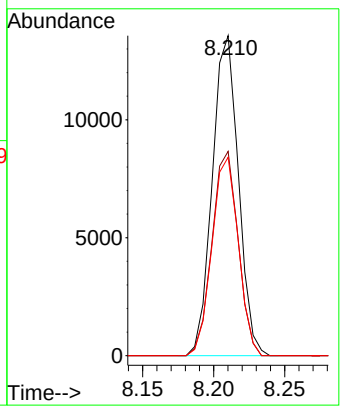


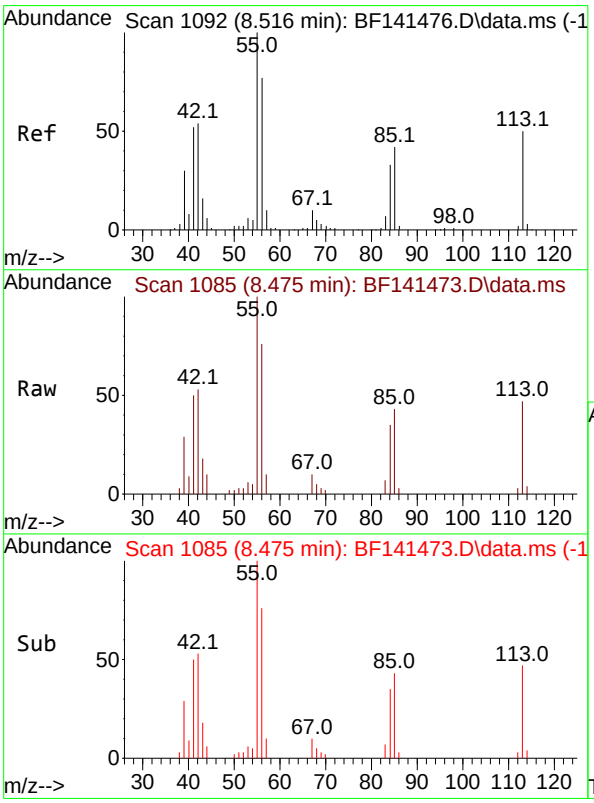

#34
Hexachlorobutadiene
Concen: 5.028 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:225 Resp: 17323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.9 | 50.1 | 75.1 |
| 227 | 62.0 | 51.0 | 76.6 |

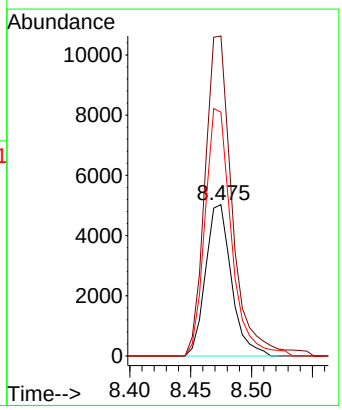


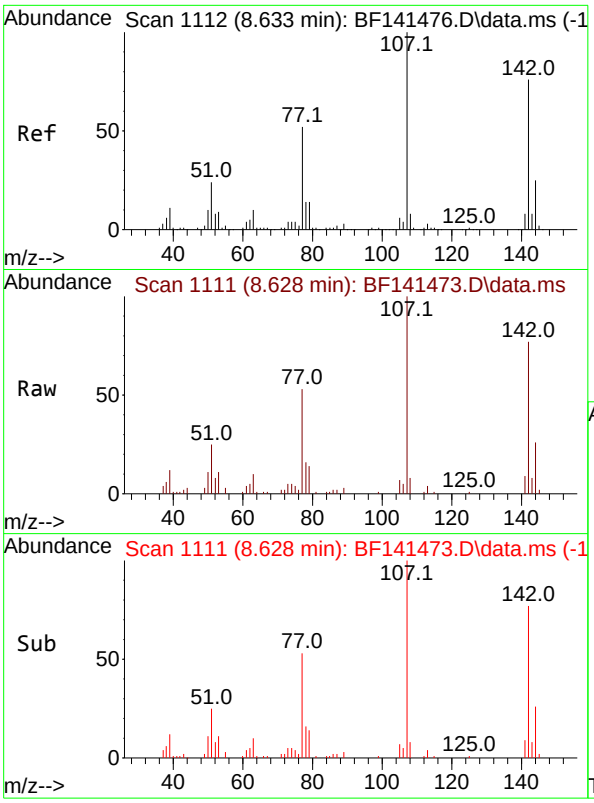




#35
Caprolactam
Concen: 4.635 ng
RT: 8.475 min Scan# 1085
Delta R.T. -0.070 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:113 Resp: 7437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 211.4 | 180.8 | 220.8 |
| 56 | 161.1 | 133.6 | 173.6 |



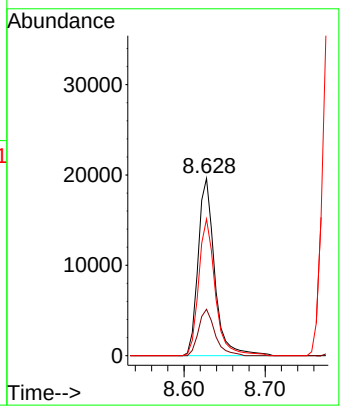


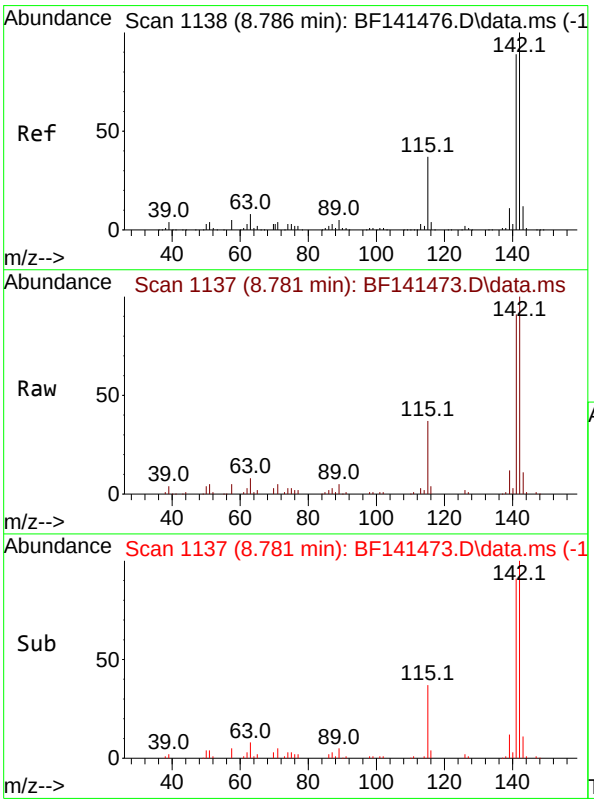

#36
4-Chloro-3-methylphenol
Concen: 4.765 ng
RT: 8.628 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:107 Resp: 27818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.2 | 19.7 | 29.5 |
| 142 | 77.1 | 60.8 | 91.2 |

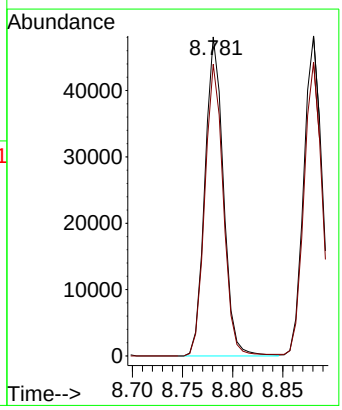


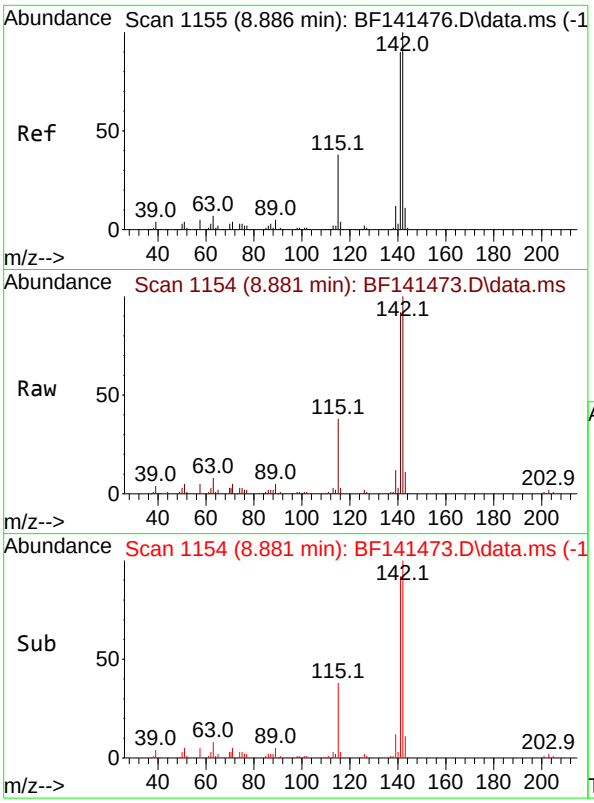




#37
2-Methylnaphthalene
Concen: 5.078 ng
RT: 8.781 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:142 Resp: 61742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.4 | 71.2 | 106.8 |



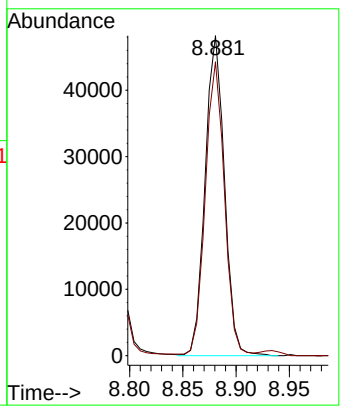


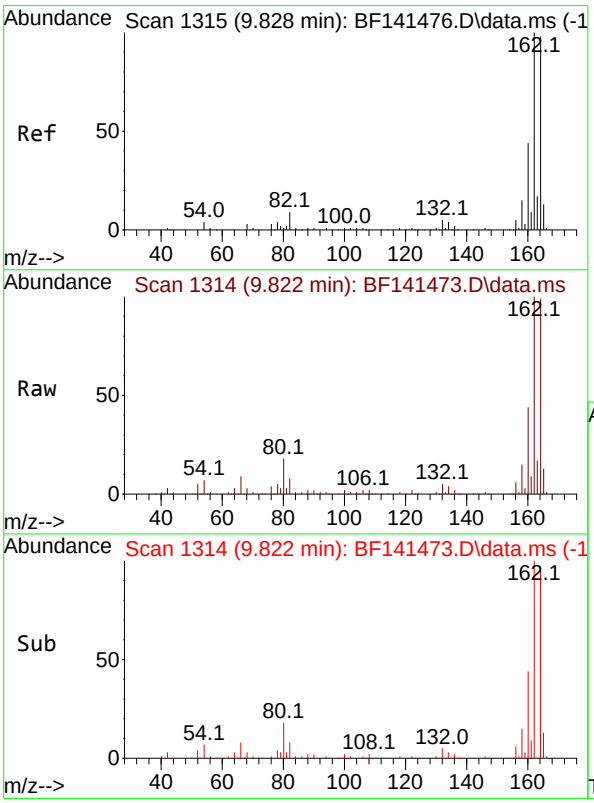

#38
1-Methylnaphthalene
Concen: 5.182 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:142 Resp: 61026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.9 | 72.1 | 108.1 |

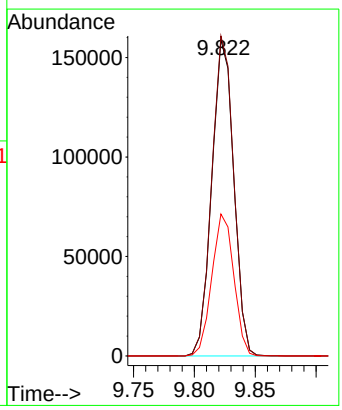


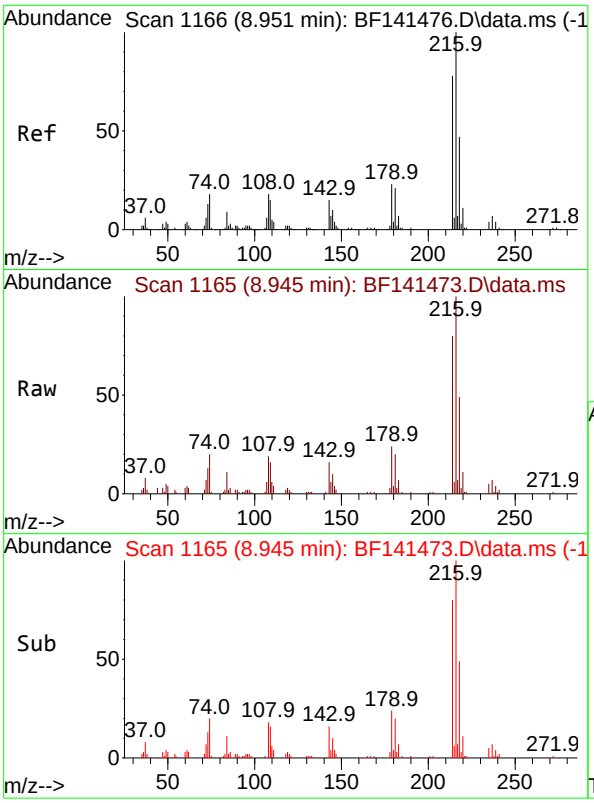




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:164 Resp: 199514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.2 | 81.3 | 121.9 |
| 160 | 44.9 | 35.9 | 53.9 |



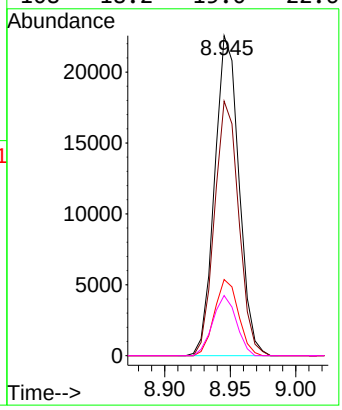


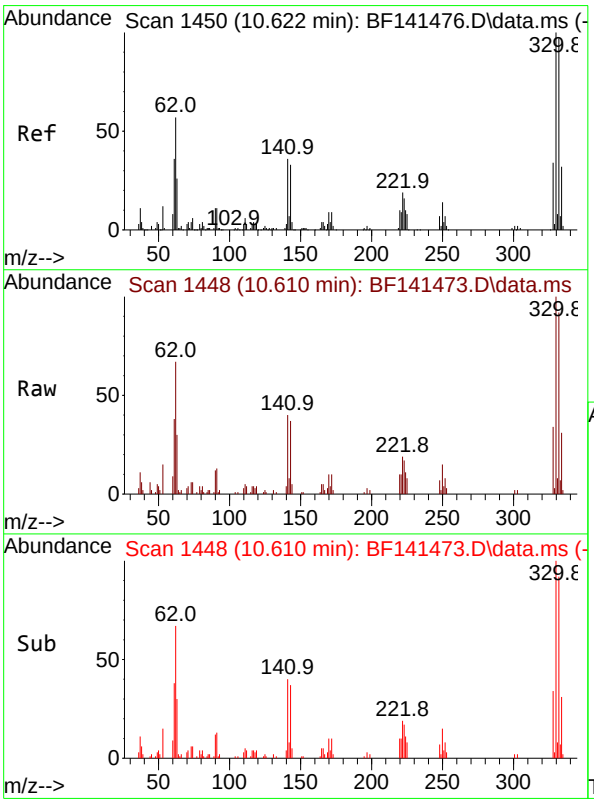

#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.028 ng
RT: 8.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:216 Resp: 29023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.2 | 62.3 | 93.5 |
| 179 | 23.4 | 18.0 | 27.0 |
| 108 | 18.2 | 15.0 | 22.6 |

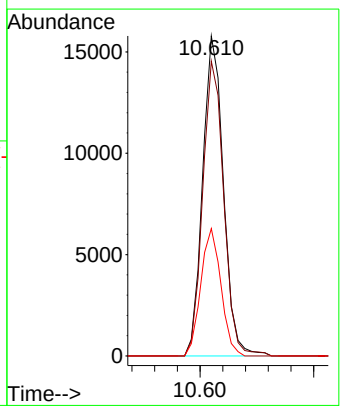


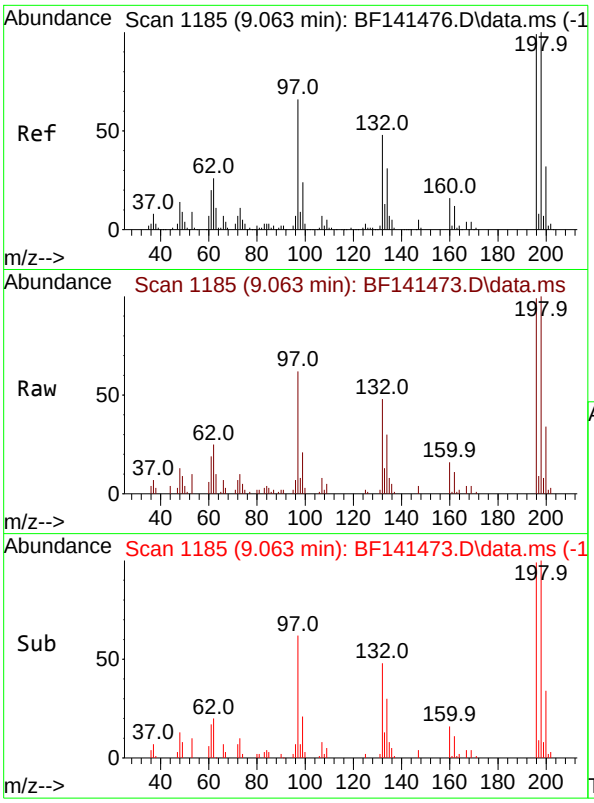




#42
2,4,6-Tribromophenol
Concen: 10.009 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:330 Resp: 20060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 92.9 | 78.5 | 117.7 |
| 141 | 38.7 | 31.0 | 46.4 |



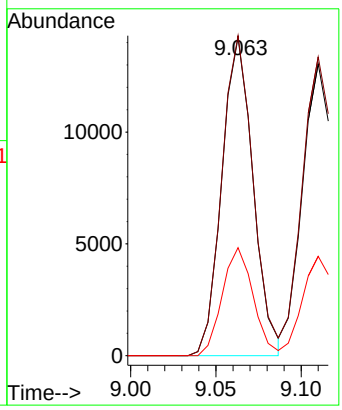


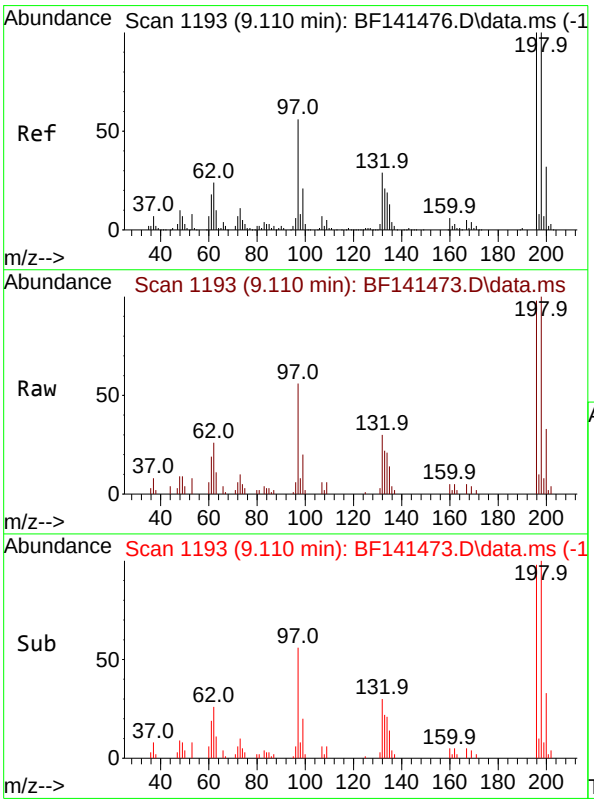

#43
2,4,6-Trichlorophenol
Concen: 4.863 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:196 Resp: 18144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.6 | 80.6 | 121.0 |
| 200 | 34.0 | 25.5 | 38.3 |

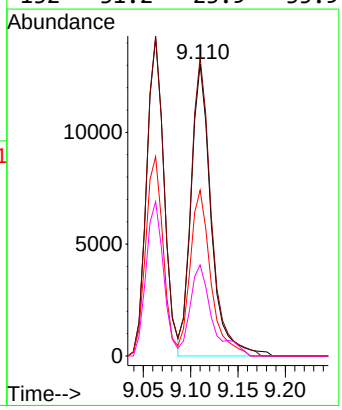


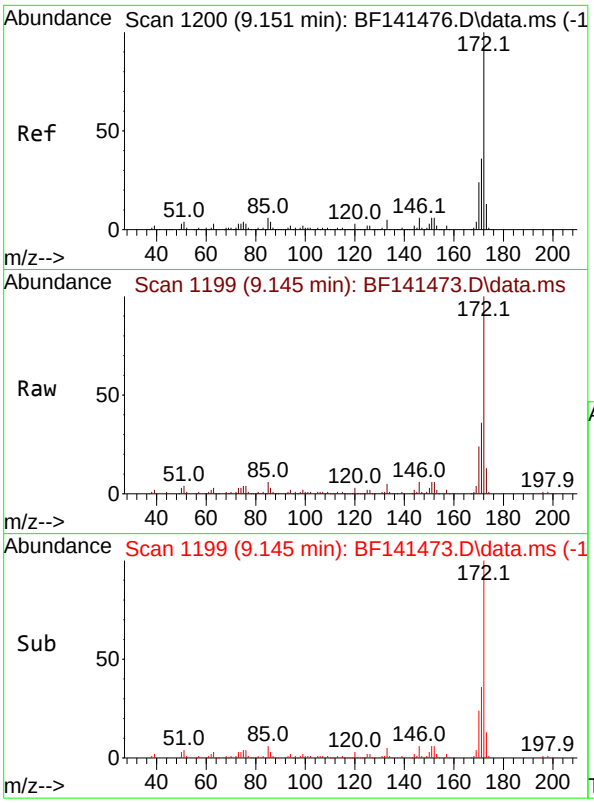




#44
2,4,5-Trichlorophenol
Concen: 4.750 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:196 Resp: 19204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 102.3 | 79.8 | 119.8 |
| 97 | 56.8 | 44.8 | 67.2 |
| 132 | 31.2 | 23.9 | 35.9 |



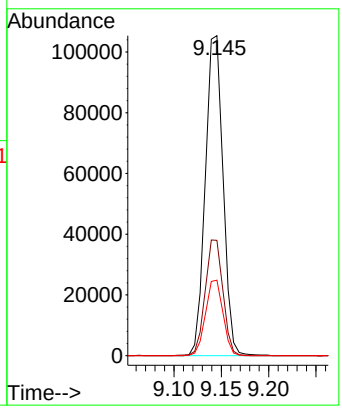


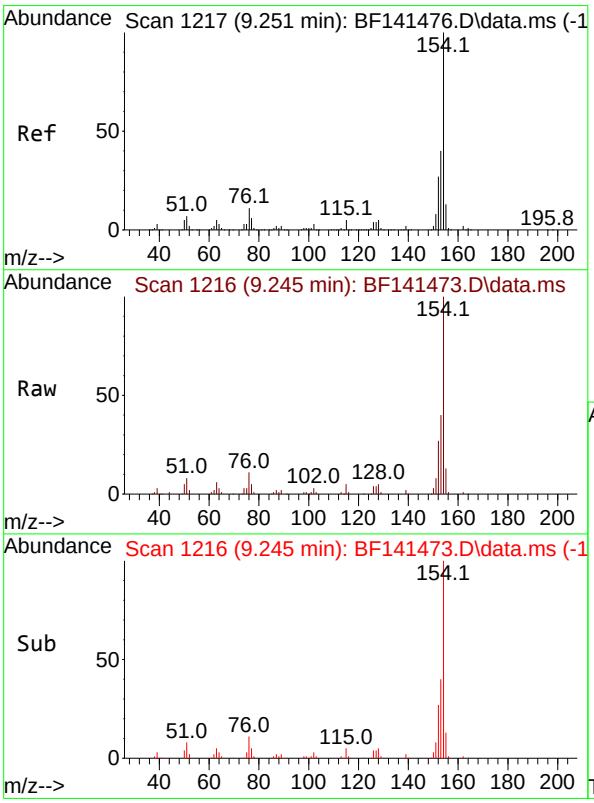

#45
2-Fluorobiphenyl
Concen: 10.573 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:172 Resp: 136925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 28.7 | 43.1 |
| 170 | 23.6 | 18.9 | 28.3 |

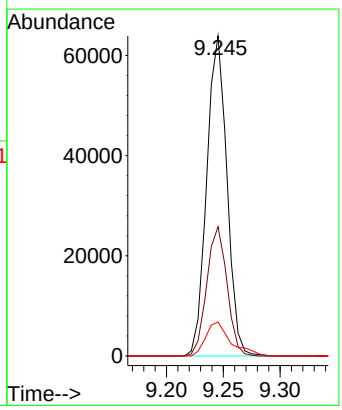


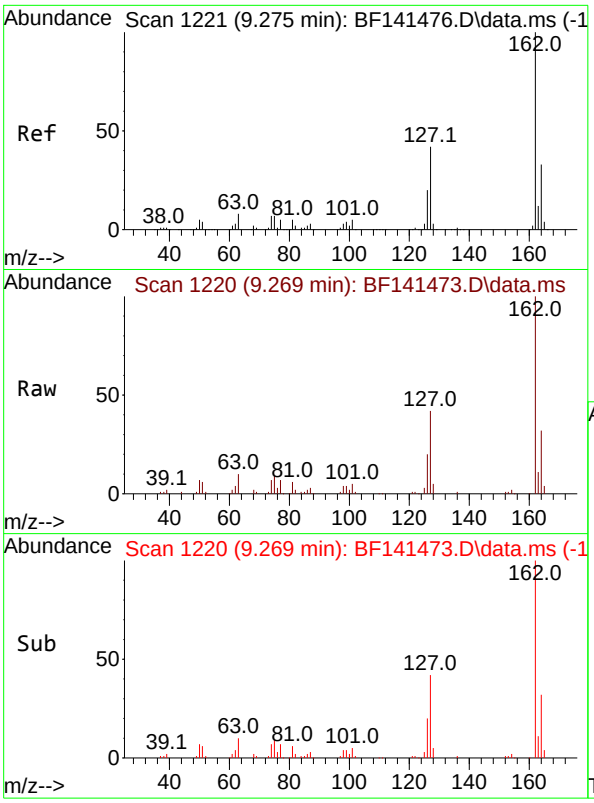




#46
1,1'-Biphenyl
Concen: 5.103 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:154 Resp: 78931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.4 | 20.4 | 60.4 |
| 76 | 10.6 | 0.0 | 30.8 |



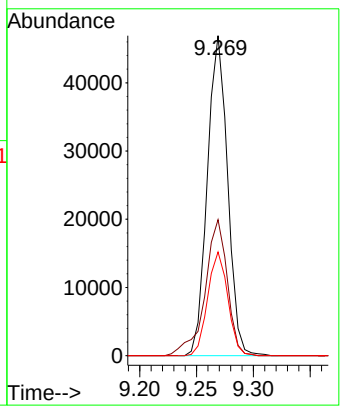


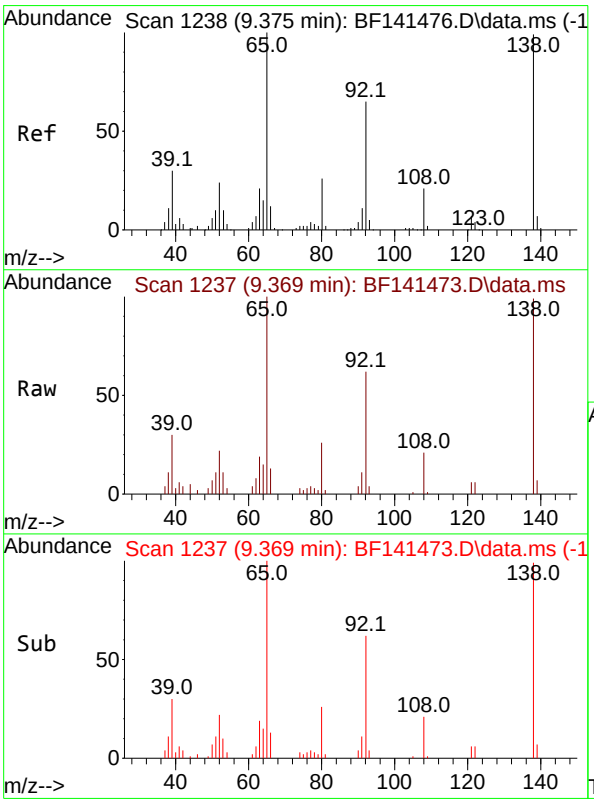

#47
2-Chloronaphthalene
Concen: 5.088 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:162 Resp: 58201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.5 | 34.1 | 51.1 |
| 164 | 32.4 | 26.3 | 39.5 |

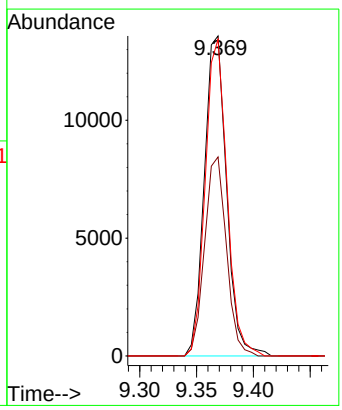


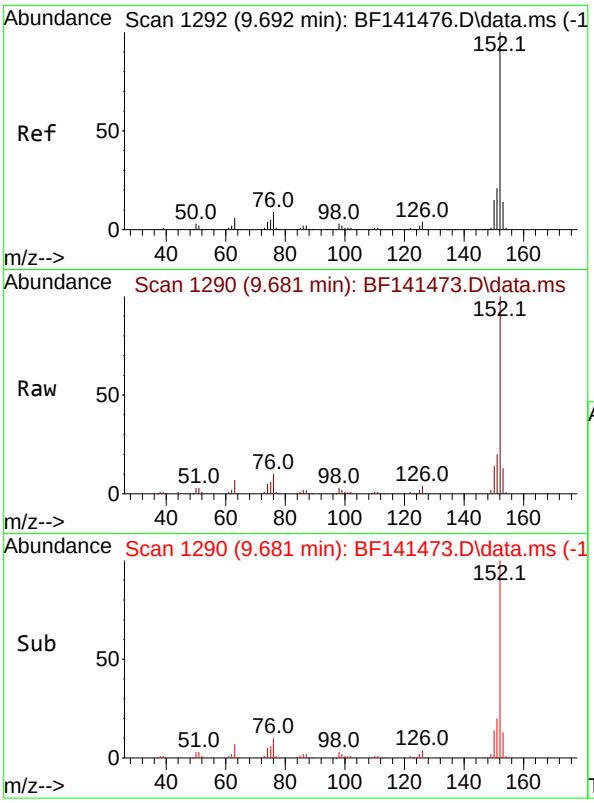




#48
2-Nitroaniline
Concen: 4.818 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 65 Resp: 18494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 62.2 | 52.2 | 78.2 |
| 138 | 99.0 | 79.5 | 119.3 |



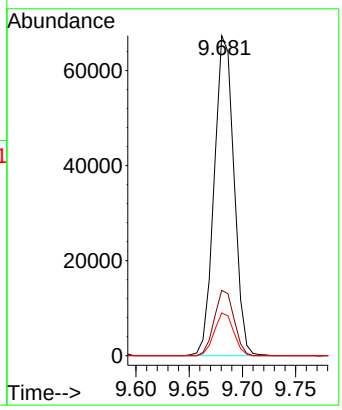


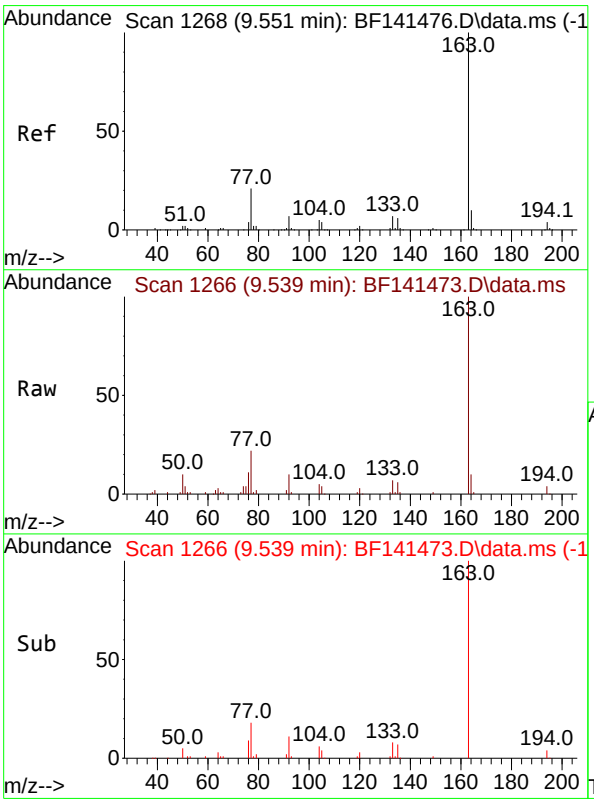

#49
Acenaphthylene
Concen: 5.097 ng
RT: 9.681 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:152 Resp: 86721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.4 | 16.4 | 24.6 |
| 153 | 13.4 | 10.9 | 16.3 |

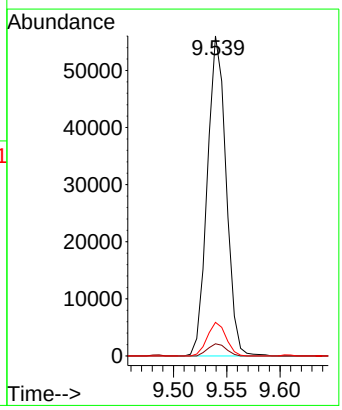


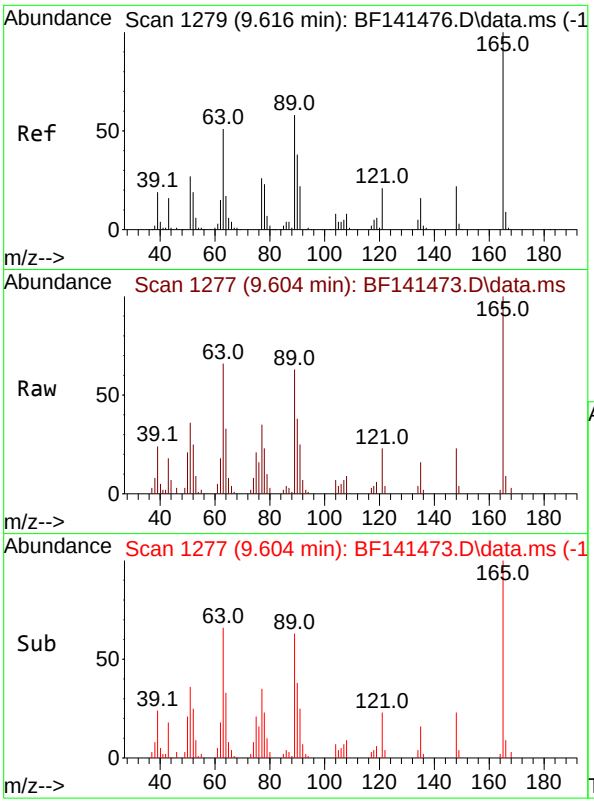




#50
Dimethylphthalate
Concen: 5.088 ng
RT: 9.539 min Scan# 1266
Delta R.T. -0.023 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:163 Resp: 68921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.4 |
| 164 | 10.5 | 7.9 | 11.9 |



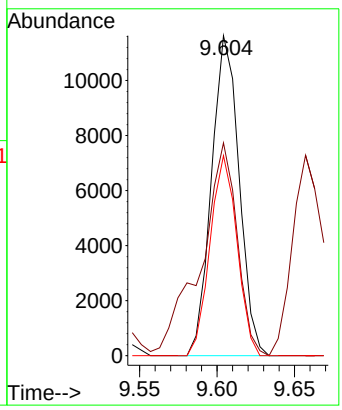


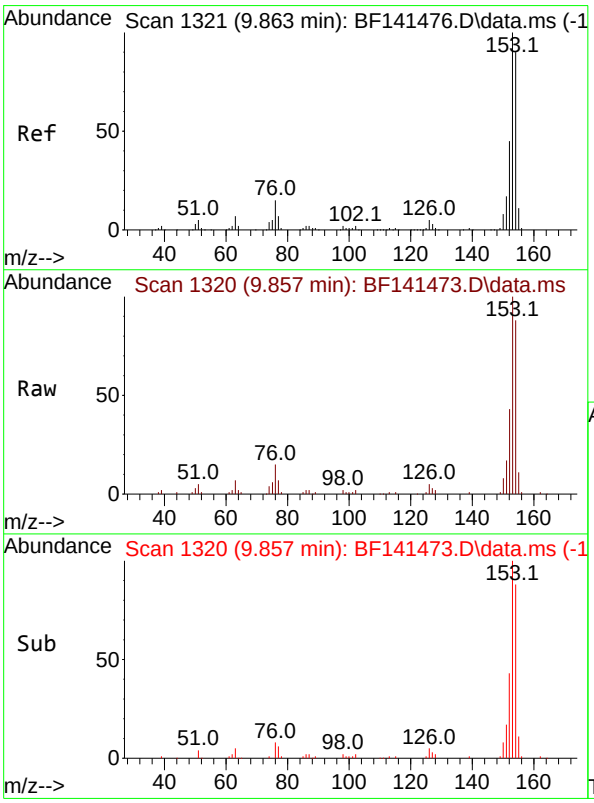

#51
2,6-Dinitrotoluene
Concen: 4.861 ng
RT: 9.604 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:165 Resp: 14394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 66.5 | 49.4 | 74.0 |
| 89 | 62.5 | 46.5 | 69.7 |

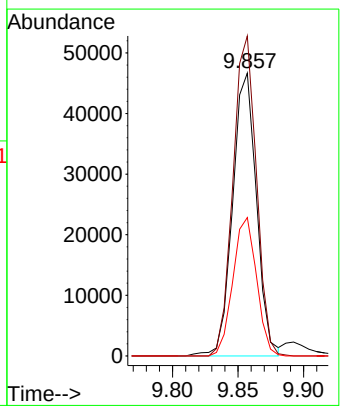


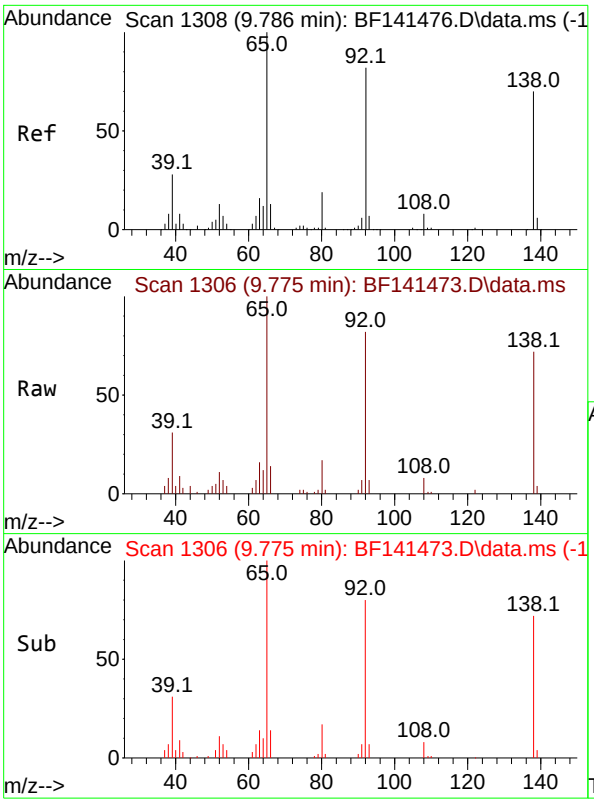




#52
Acenaphthene
Concen: 5.171 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:154 Resp: 59139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.1 | 89.2 | 133.8 |
| 152 | 48.9 | 39.8 | 59.8 |



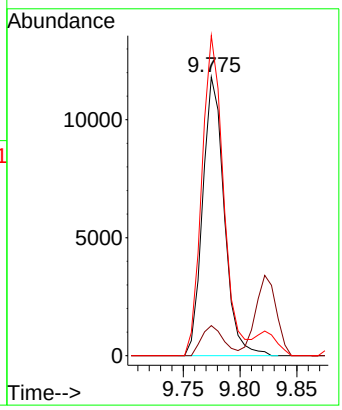


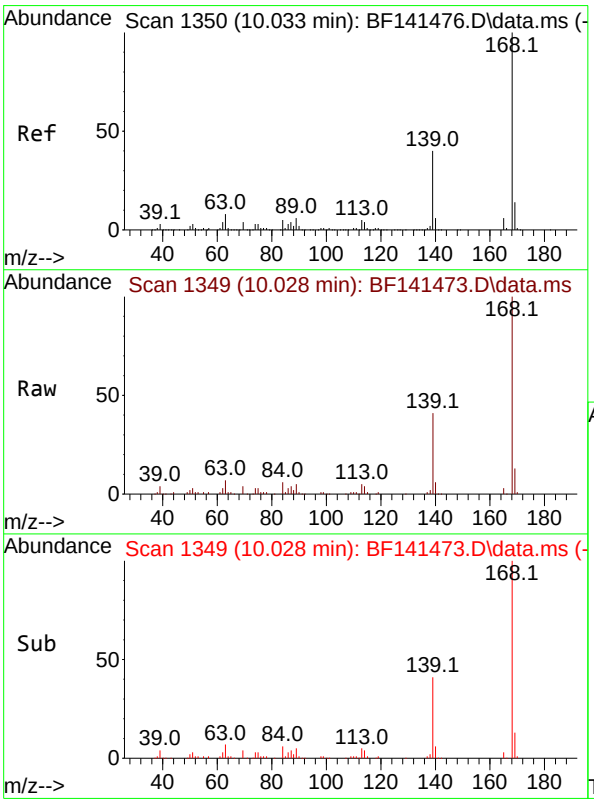

#53
3-Nitroaniline
Concen: 4.884 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:138 Resp: 15563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.8 | 9.0 | 13.4 |
| 92 | 114.8 | 93.7 | 140.5 |

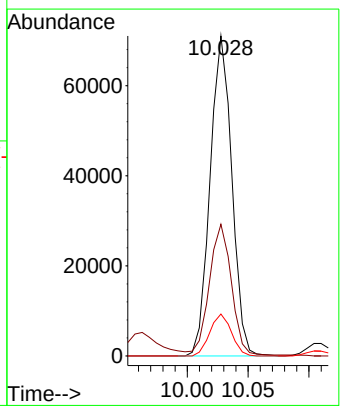


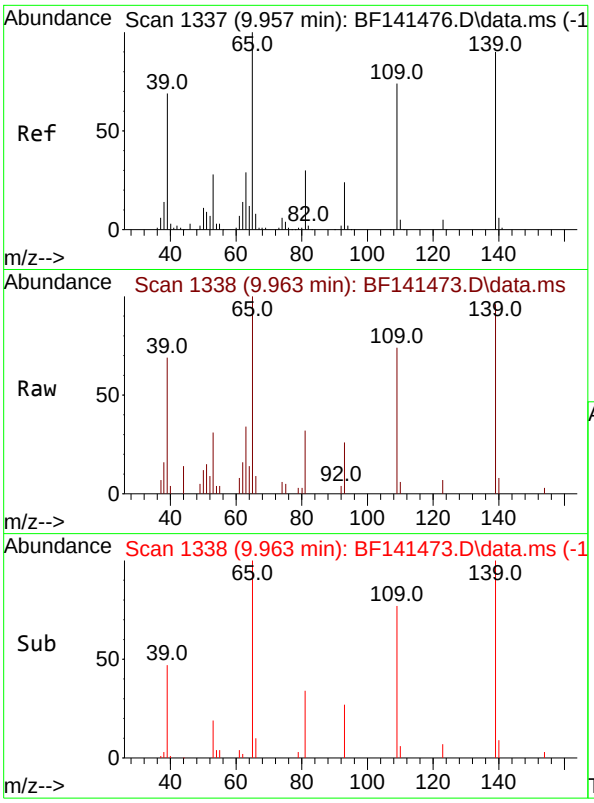




#55
Dibenzofuran
Concen: 5.252 ng
RT: 10.028 min Scan# 1349
Delta R.T. -0.011 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:168 Resp: 88178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.2 | 32.7 | 49.1 |
| 169 | 13.1 | 10.8 | 16.2 |



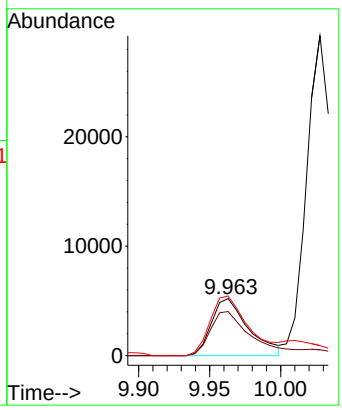


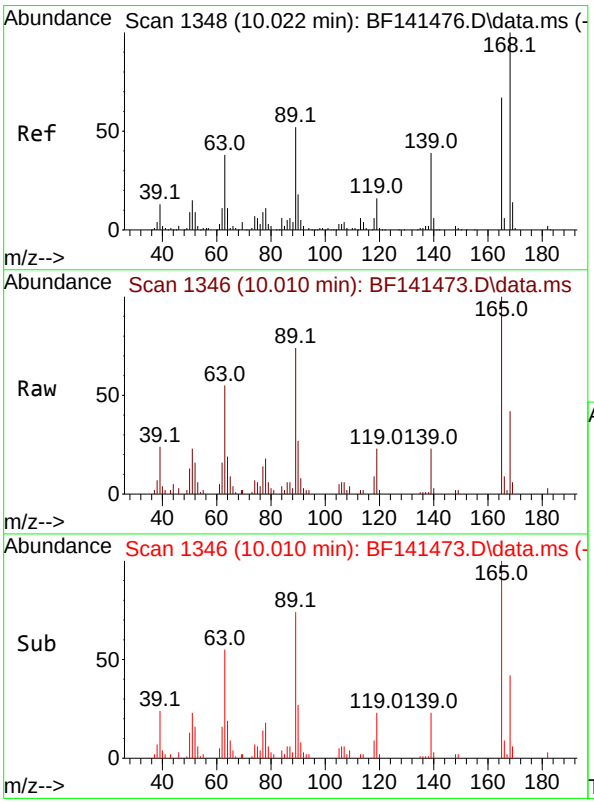

#56
4-Nitrophenol
Concen: 4.008 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:139 Resp: 9482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 77.2 | 62.0 | 102.0 |
| 65 | 104.4 | 91.2 | 131.2 |

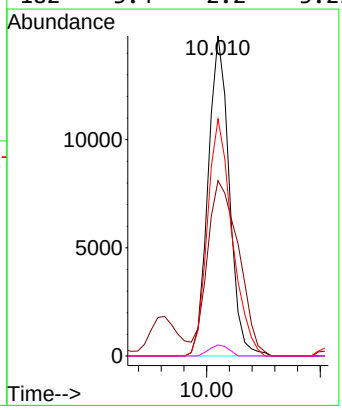


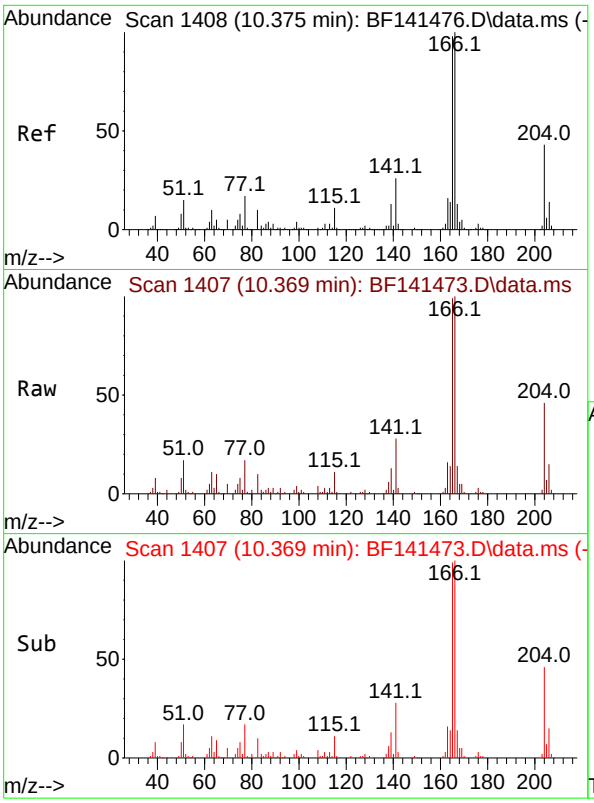




#57
2,4-Dinitrotoluene
Concen: 4.842 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:165 Resp: 19087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 54.8 | 46.4 | 69.6 |
| 89 | 74.0 | 61.8 | 92.6 |
| 182 | 3.4 | 2.2 | 3.2# |



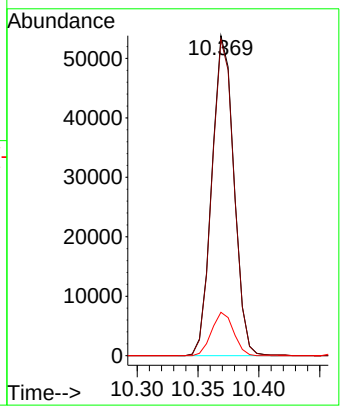


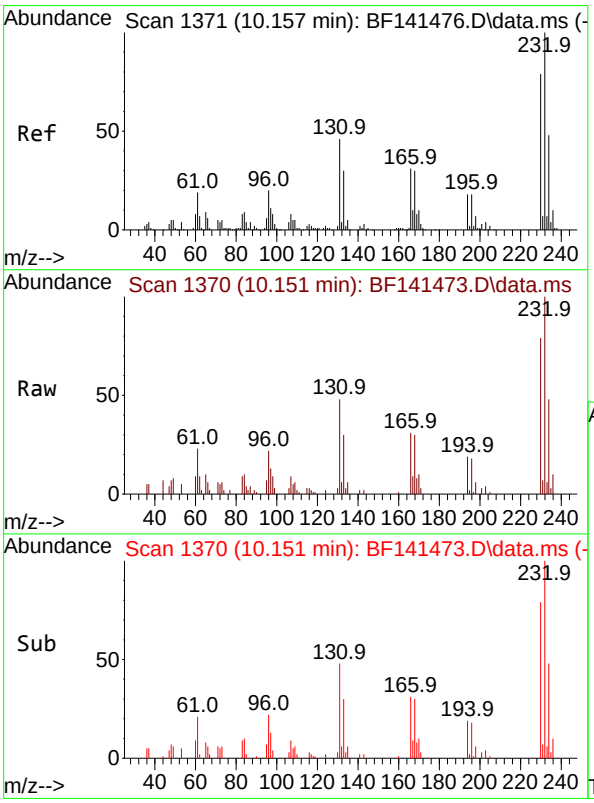

#58
Fluorene
Concen: 5.220 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:166 Resp: 67764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.8 | 78.2 | 117.2 |
| 167 | 13.5 | 10.7 | 16.1 |

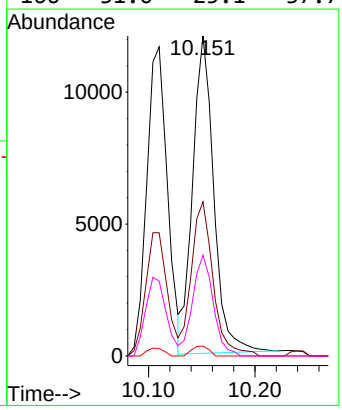


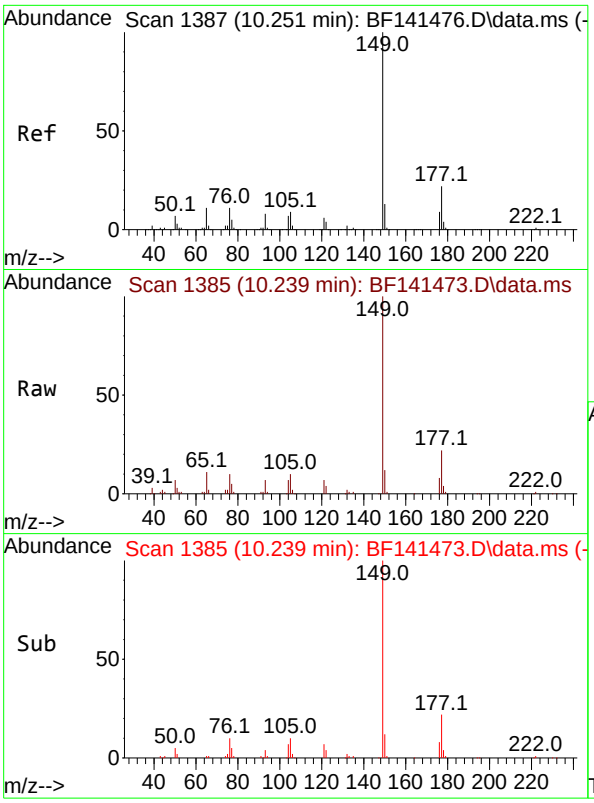




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.760 ng
RT: 10.151 min Scan# 1370
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:232 Resp: 16570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 50.2 | 39.2 | 58.8 |
| 130 | 2.5 | 2.1 | 3.1 |
| 166 | 31.0 | 25.1 | 37.7 |



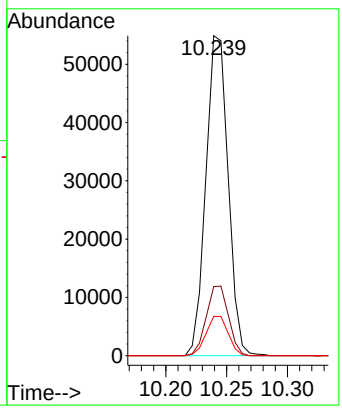


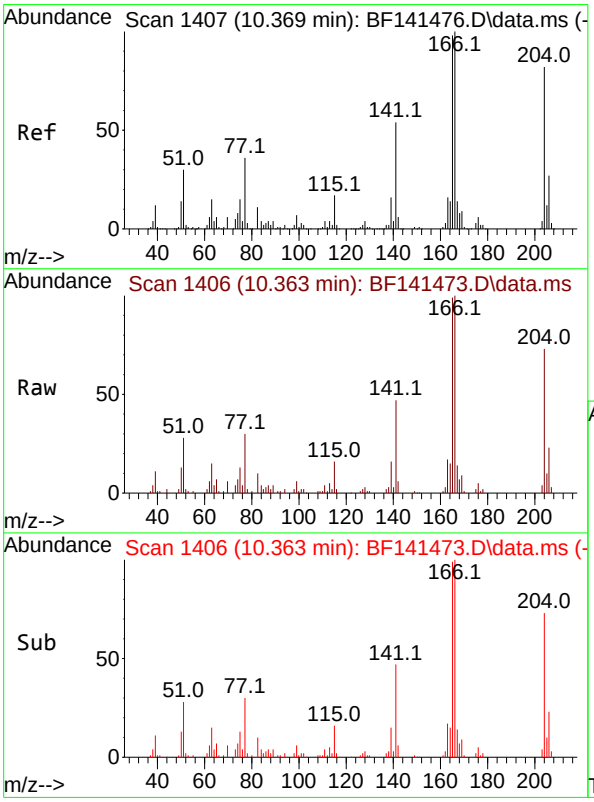

#60
Diethylphthalate
Concen: 5.241 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:149 Resp: 69845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.6 | 17.8 | 26.6 |
| 150 | 12.3 | 10.1 | 15.1 |

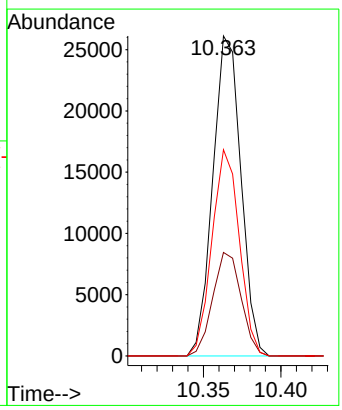


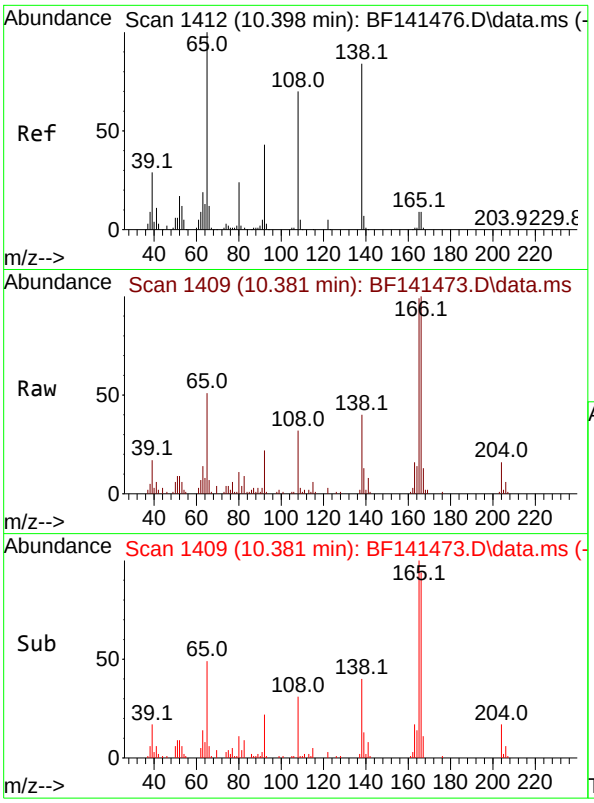




#61
4-Chlorophenyl-phenylether
Concen: 5.277 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:204 Resp: 32951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.3 | 26.6 | 40.0 |
| 141 | 64.4 | 51.9 | 77.9 |



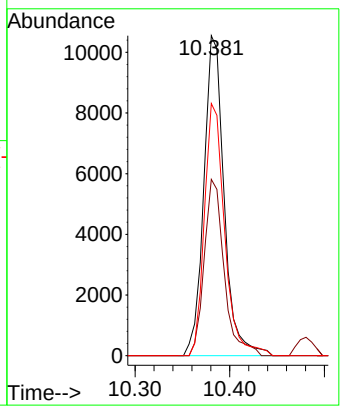


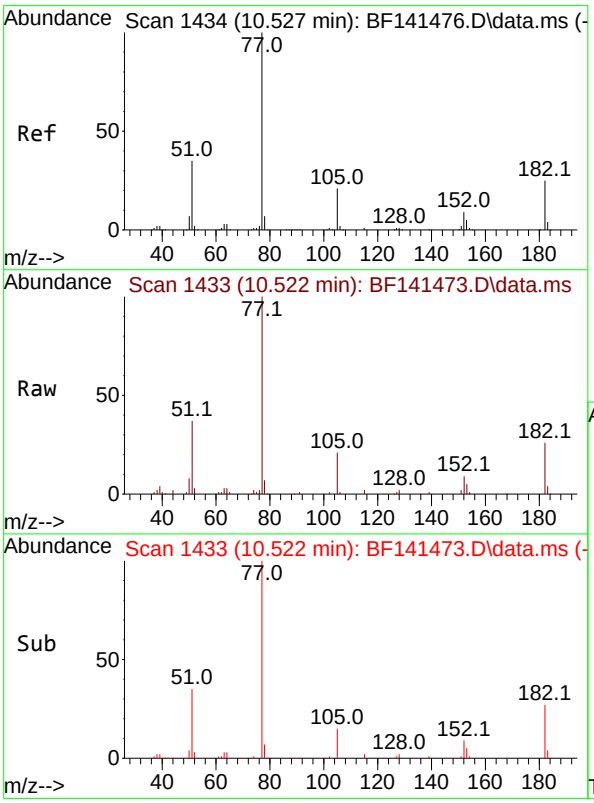

#62
4-Nitroaniline
Concen: 4.855 ng
RT: 10.381 min Scan# 14
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:138 Resp: 15711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 55.1 | 31.3 | 71.3 |
| 108 | 78.8 | 63.7 | 103.7 |

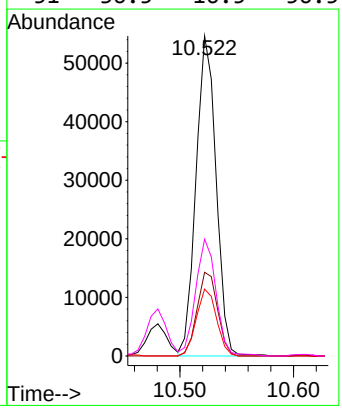


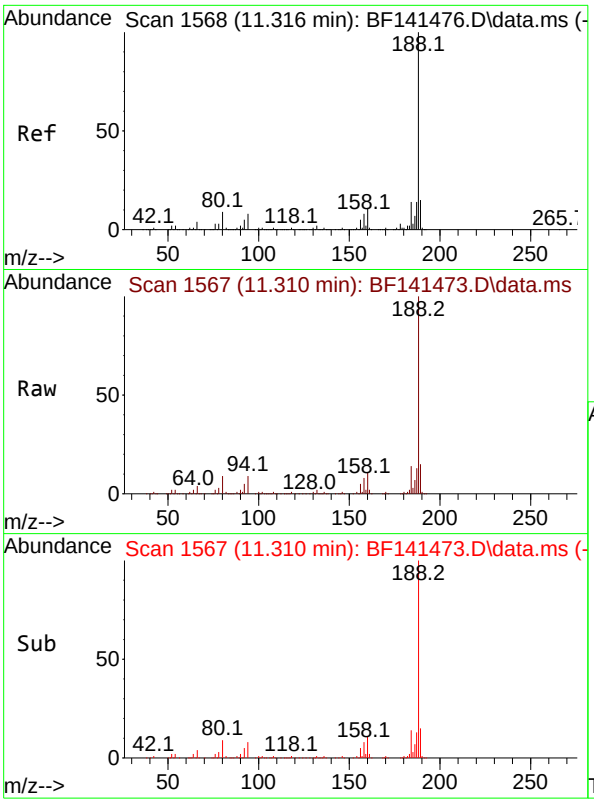




#63
Azobenzene
Concen: 5.077 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 77 Resp: 67256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.2 | 4.7 | 44.7 |
| 105 | 20.9 | 0.4 | 40.4 |
| 51 | 36.5 | 16.5 | 56.5 |



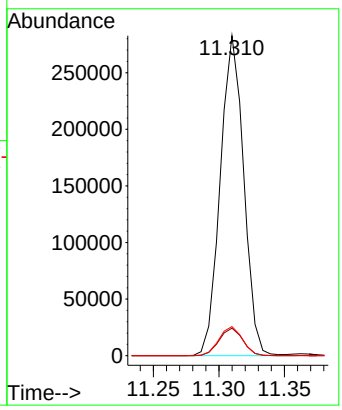


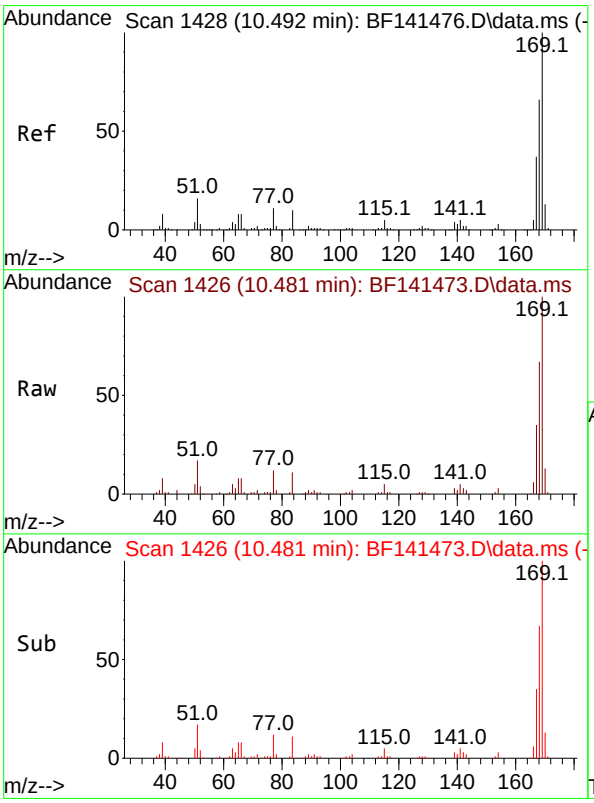

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:188 Resp: 351213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.6 | 6.6 | 10.0 |
| 80 | 9.1 | 7.3 | 10.9 |

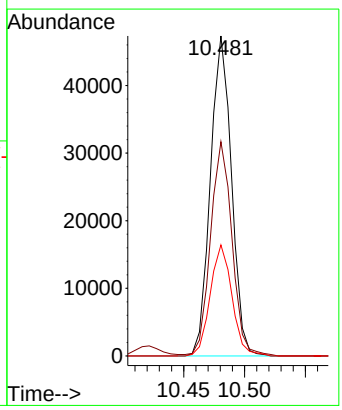


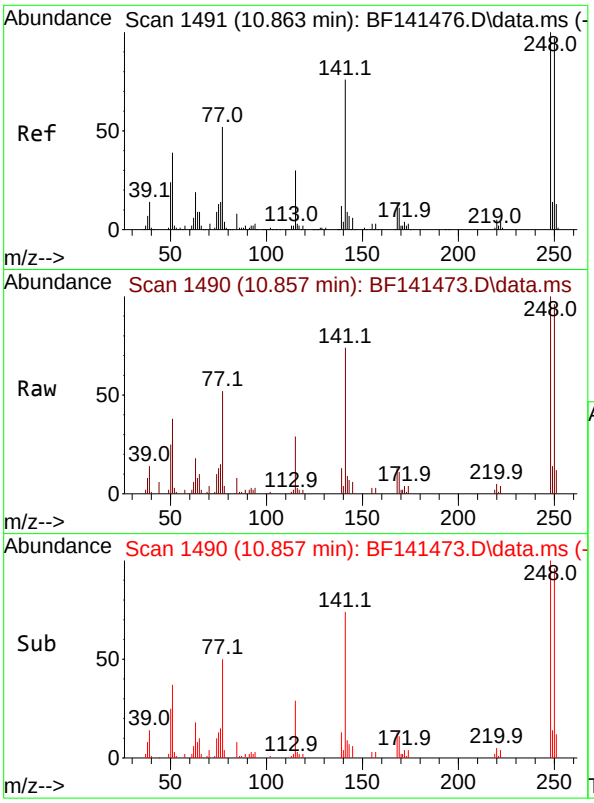




#66
n-Nitrosodiphenylamine
Concen: 5.076 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:169 Resp: 57063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.9 | 53.3 | 79.9 |
| 167 | 34.7 | 29.4 | 44.2 |



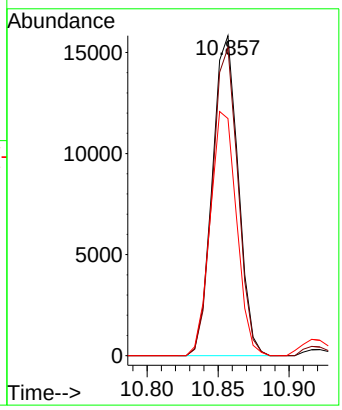


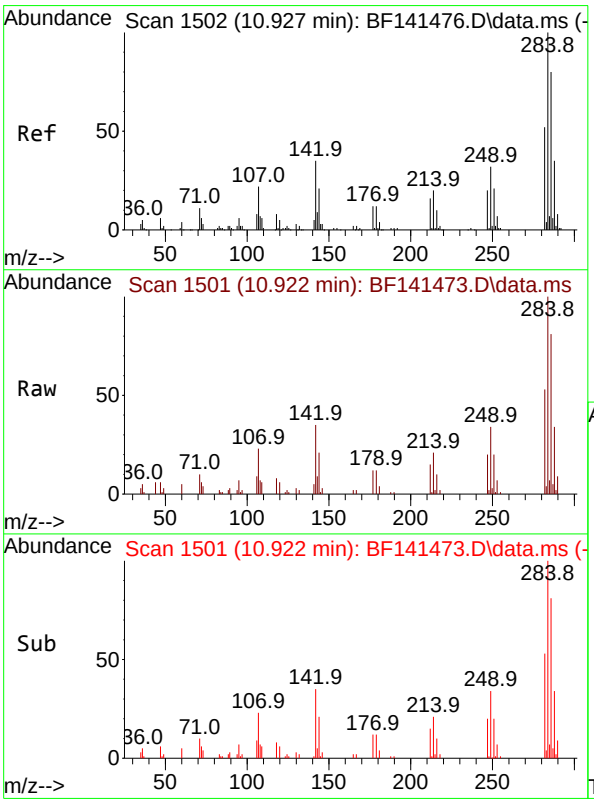

#67
4-Bromophenyl-phenylether
Concen: 5.098 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:248 Resp: 20012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.2 | 77.8 | 116.6 |
| 141 | 74.1 | 60.6 | 90.8 |

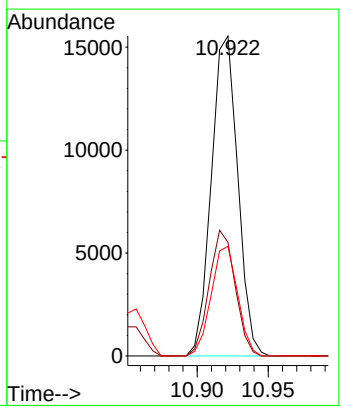


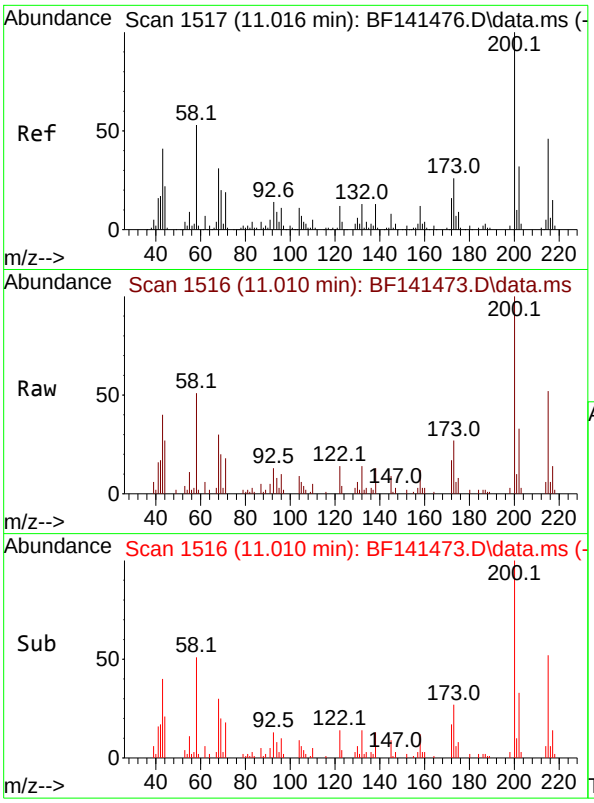




#68
Hexachlorobenzene
Concen: 4.982 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:284 Resp: 20138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 35.5 | 28.0 | 42.0 |
| 249 | 34.3 | 25.8 | 38.8 |



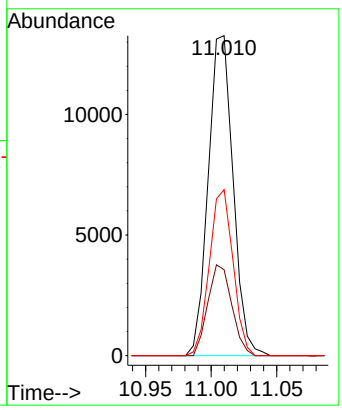


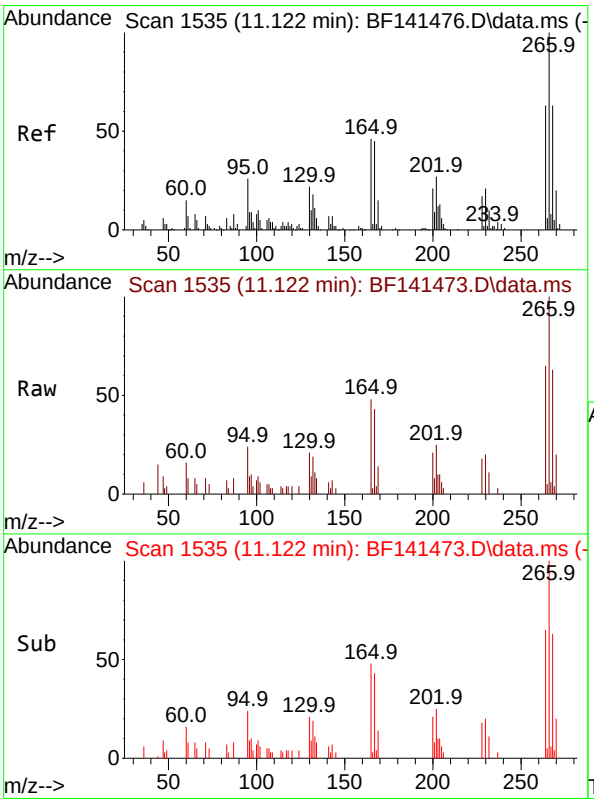

#69
Atrazine
Concen: 5.194 ng
RT: 11.010 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:200 Resp: 17519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.9 | 5.9 | 45.9 |
| 215 | 51.9 | 25.9 | 65.9 |

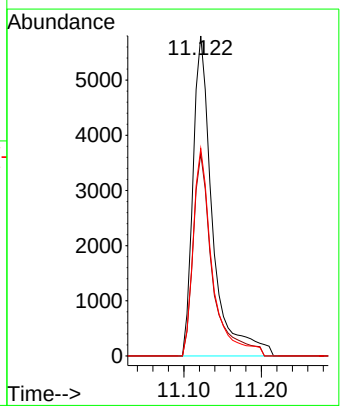


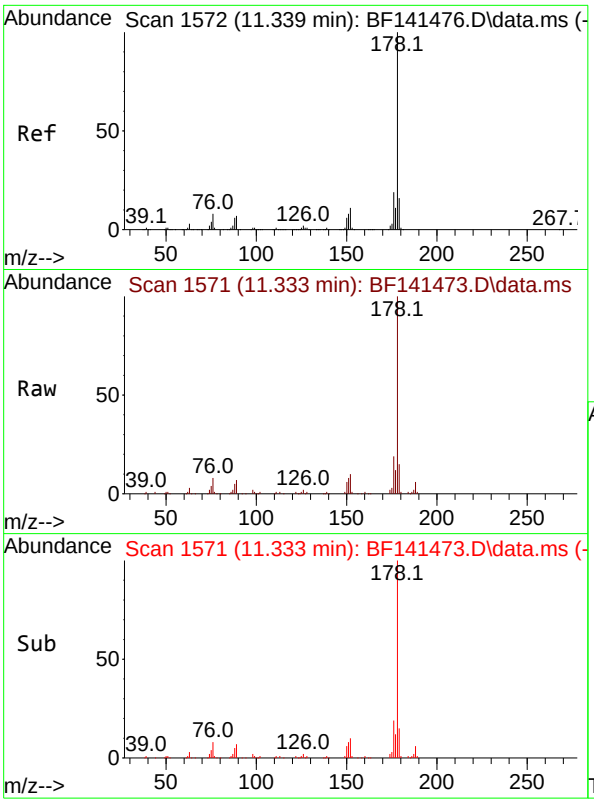




#70
Pentachlorophenol
Concen: 3.928 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:266 Resp: 10151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.2 | 50.1 | 75.1 |
| 264 | 64.8 | 50.1 | 75.1 |



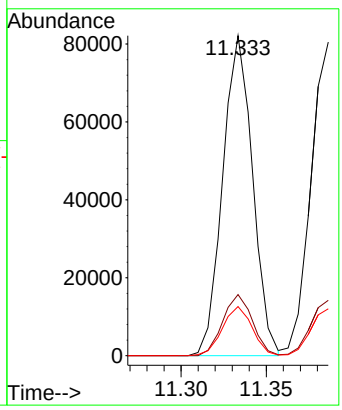


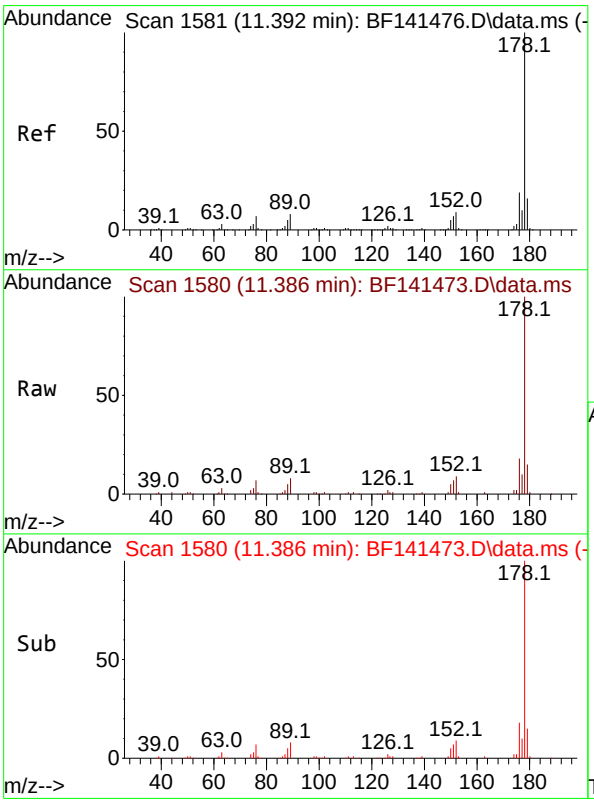

#71
Phenanthrene
Concen: 5.183 ng
RT: 11.333 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:178 Resp: 100202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.4 | 23.0 |
| 179 | 15.4 | 12.4 | 18.6 |

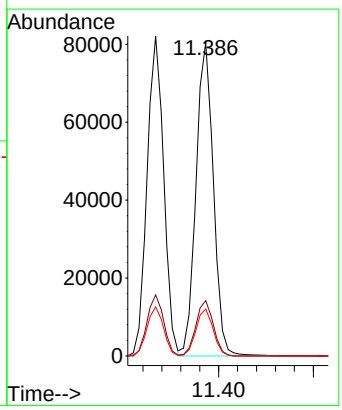


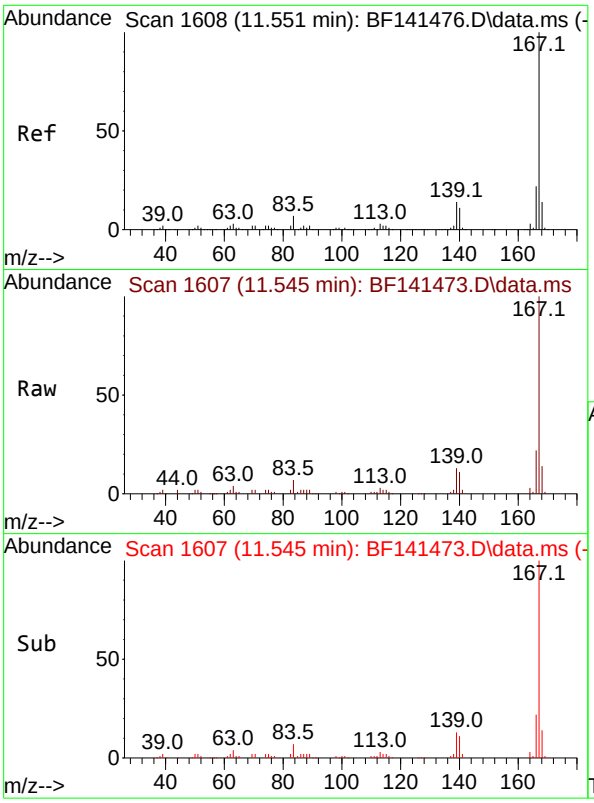




#72
Anthracene
Concen: 5.279 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:178 Resp: 102596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.6 | 14.8 | 22.2 |
| 179 | 15.0 | 12.4 | 18.6 |



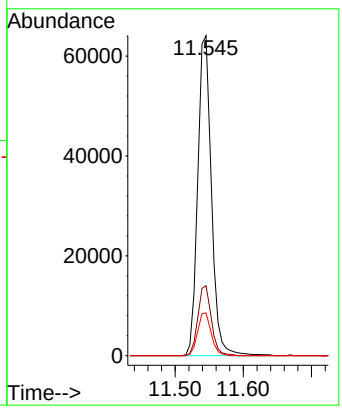


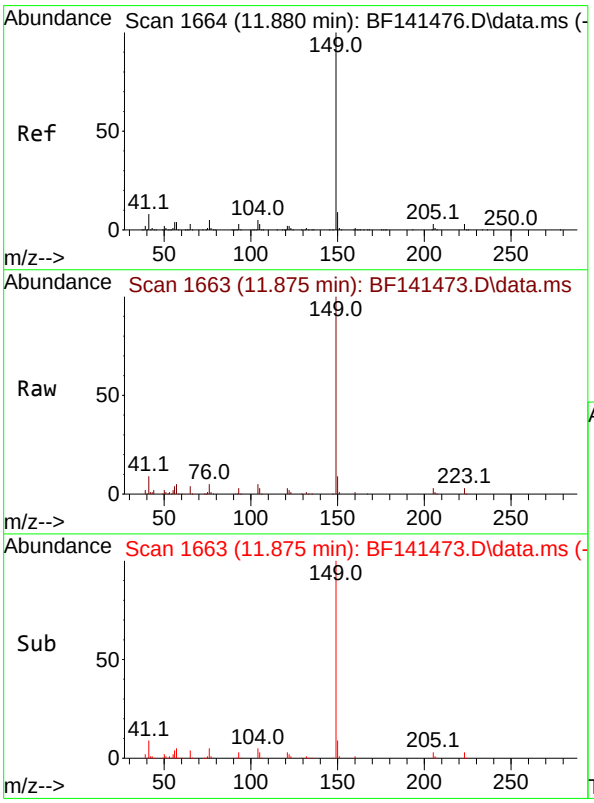

#73
Carbazole
Concen: 5.131 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:167 Resp: 89721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.9 | 17.4 | 26.2 |
| 139 | 13.4 | 10.9 | 16.3 |

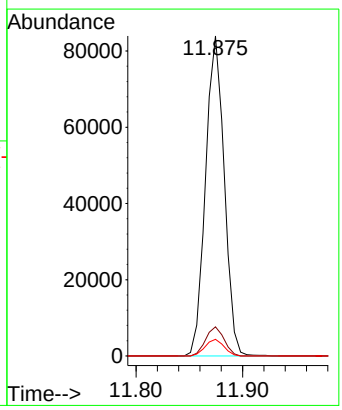


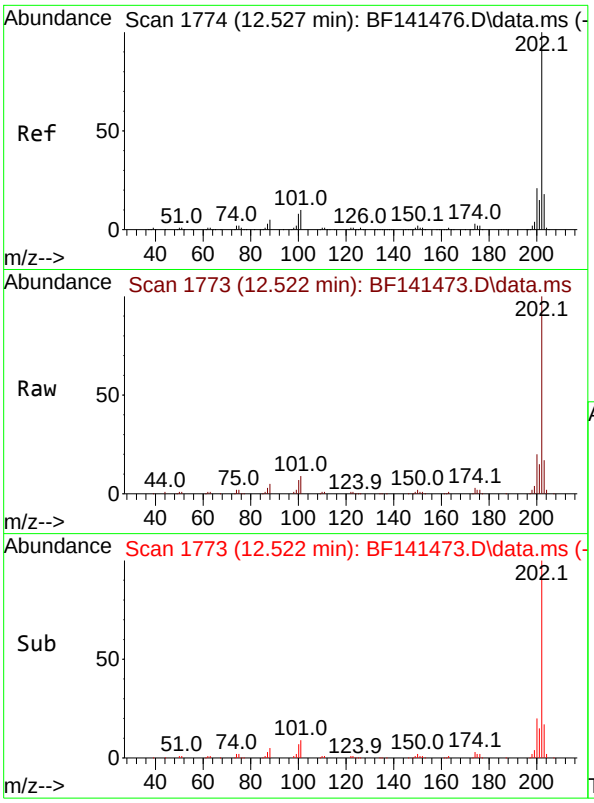




#74
Di-n-butylphthalate
Concen: 5.066 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:149 Resp: 102296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.4 | 11.0 |
| 104 | 5.2 | 4.2 | 6.2 |



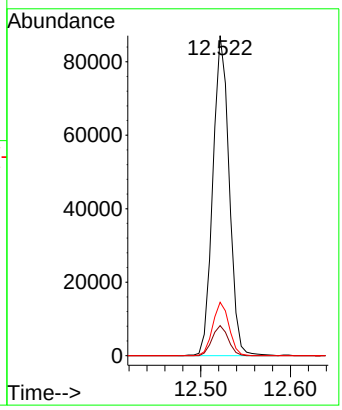


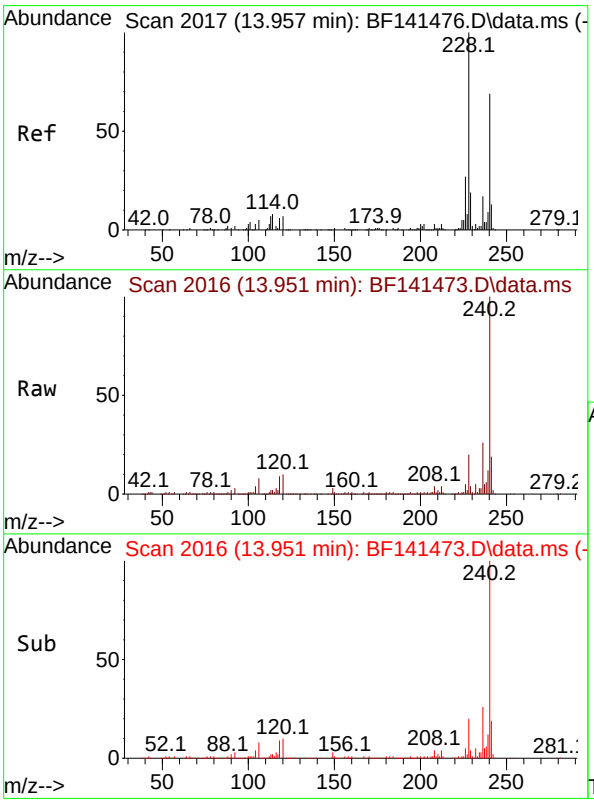

#75
Fluoranthene
Concen: 5.361 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:202 Resp: 109883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.4 | 0.0 | 30.2 |
| 203 | 16.7 | 0.0 | 37.6 |

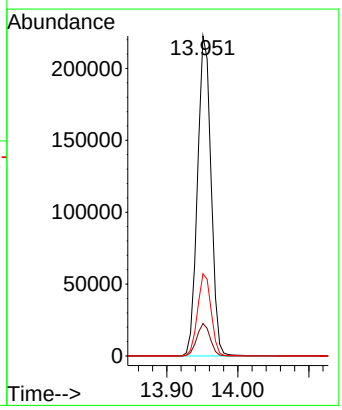


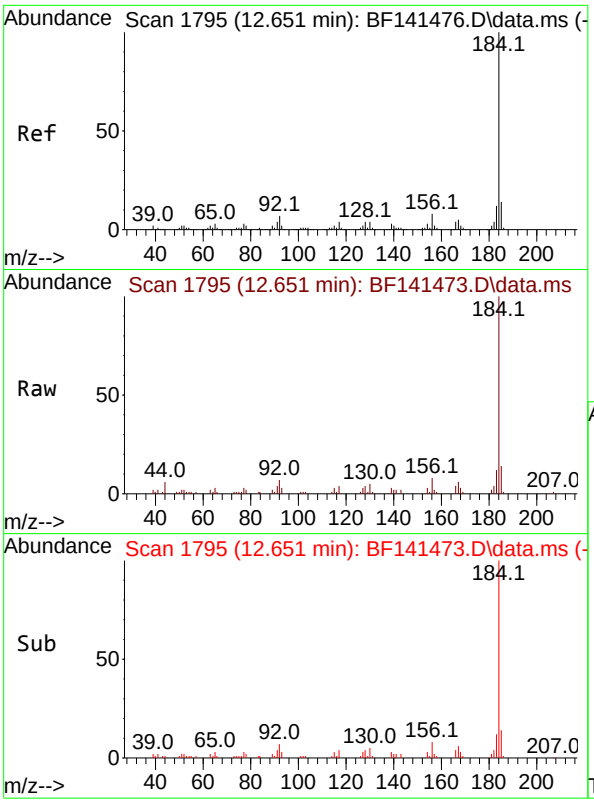




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:240 Resp: 295087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.2 | 8.0 | 12.0 |
| 236 | 25.7 | 19.8 | 29.8 |



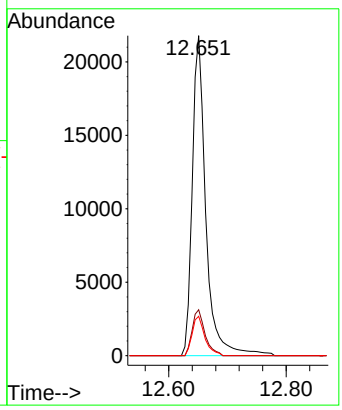


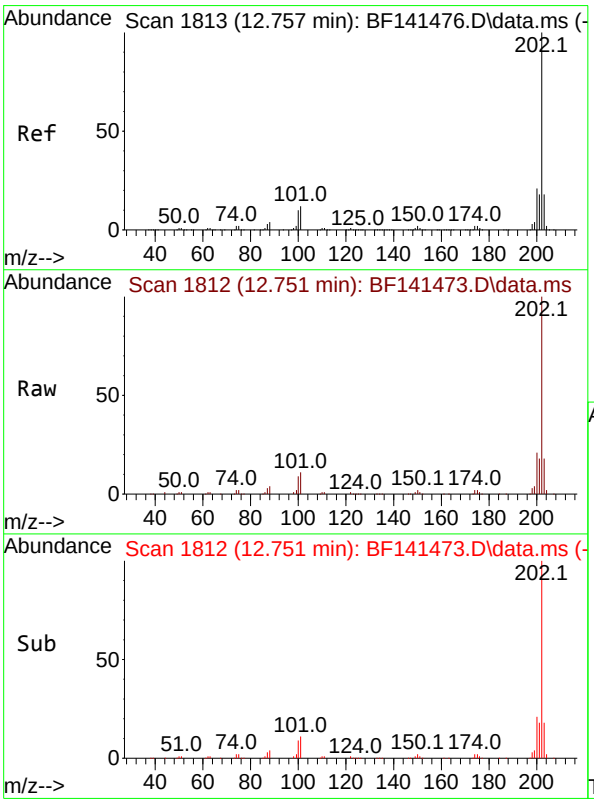

#77
Benzidine
Concen: 5.370 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:184 Resp: 34946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.3 | 11.3 | 16.9 |
| 183 | 12.3 | 9.3 | 13.9 |

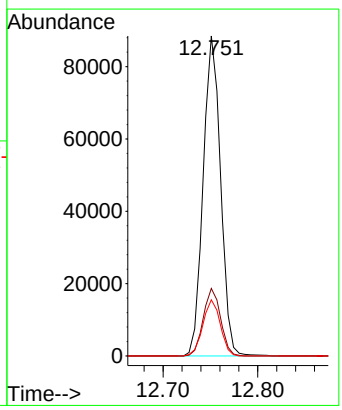


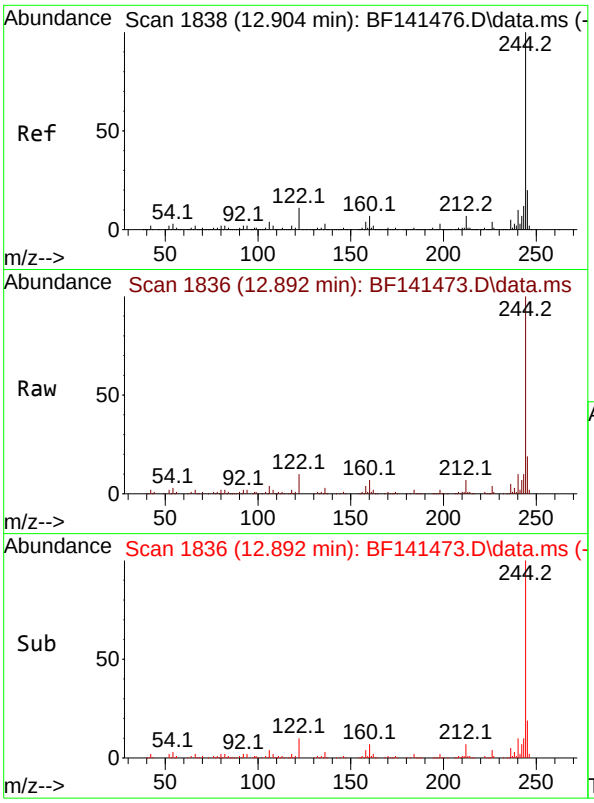




#78
Pyrene
Concen: 4.486 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:202 Resp: 112700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 17.0 | 25.4 |
| 203 | 17.6 | 14.3 | 21.5 |



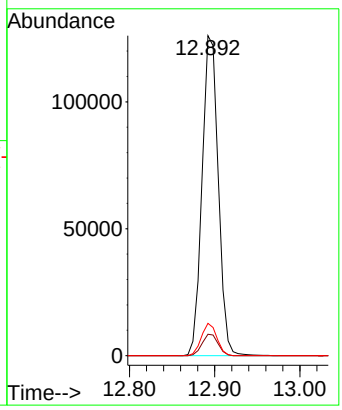


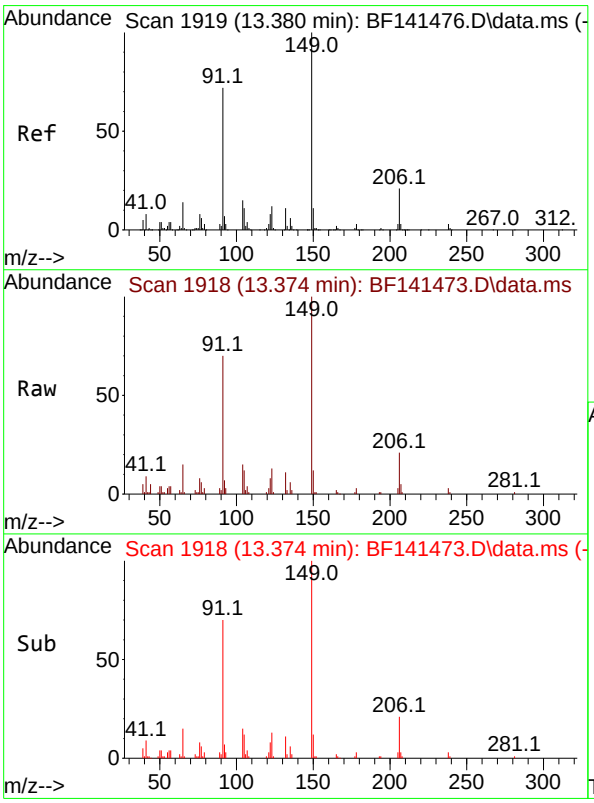

#79
Terphenyl-d14
Concen: 9.531 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:244 Resp: 166601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.6 | 8.4 |
| 122 | 10.1 | 8.4 | 12.6 |

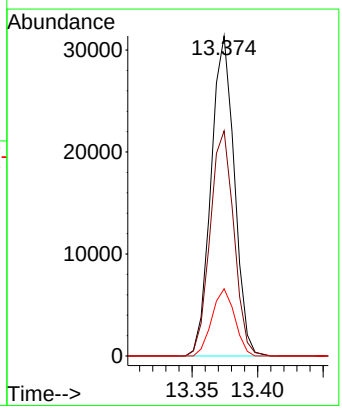


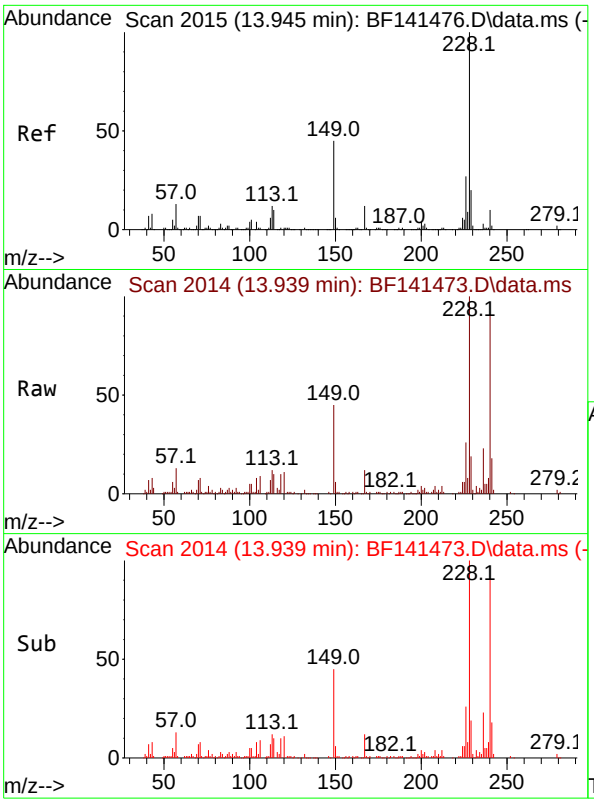




#80
Butylbenzylphthalate
Concen: 4.449 ng
RT: 13.374 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:149 Resp: 38714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 70.4 | 57.8 | 86.8 |
| 206 | 21.0 | 16.7 | 25.1 |



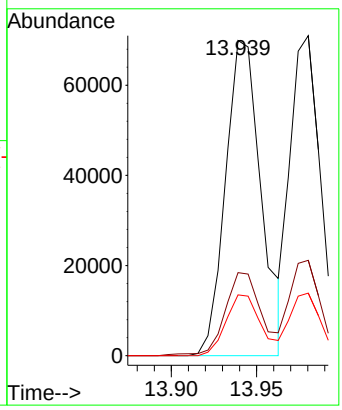


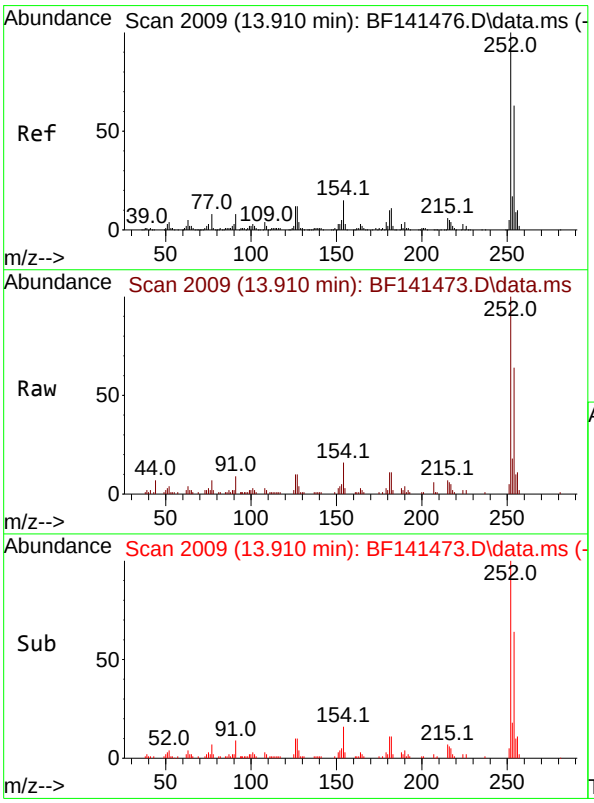

#81
Benzo(a)anthracene
Concen: 5.193 ng
RT: 13.939 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:228 Resp: 101861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.4 | 21.8 | 32.8 |
| 229 | 19.3 | 15.8 | 23.6 |

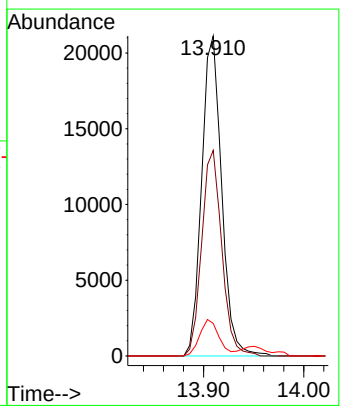


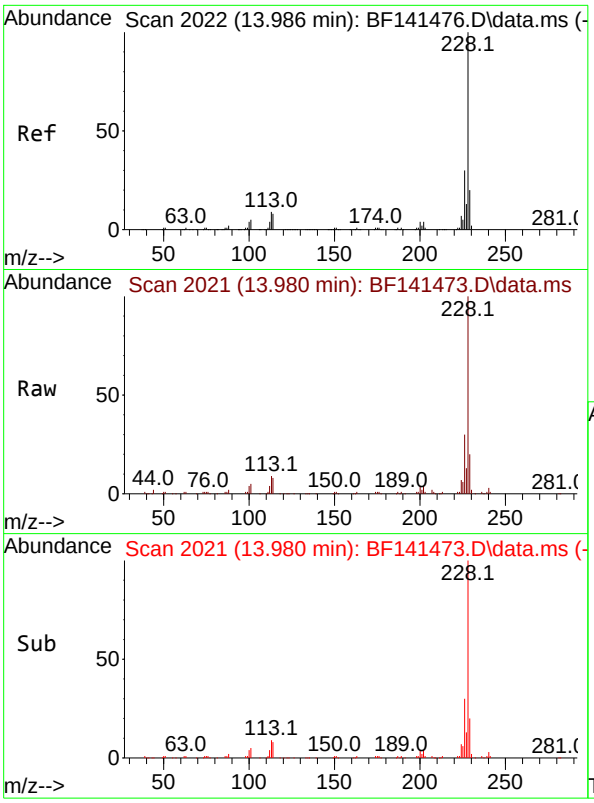




#82
3,3'-Dichlorobenzidine
Concen: 5.216 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:252 Resp: 29306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.2 | 50.6 | 76.0 |
| 126 | 10.2 | 9.3 | 13.9 |



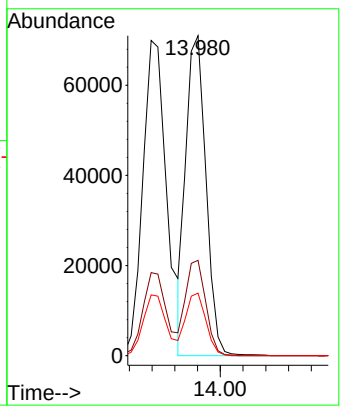


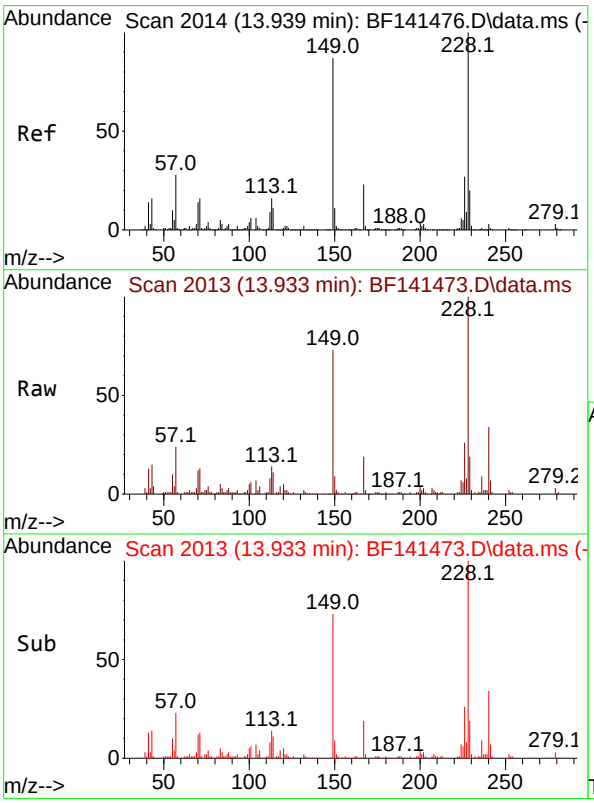

#83
Chrysene
Concen: 4.834 ng
RT: 13.980 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:228 Resp: 87555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 24.0 | 36.0 |
| 229 | 19.5 | 15.7 | 23.5 |

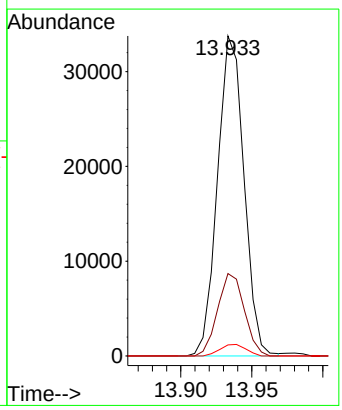


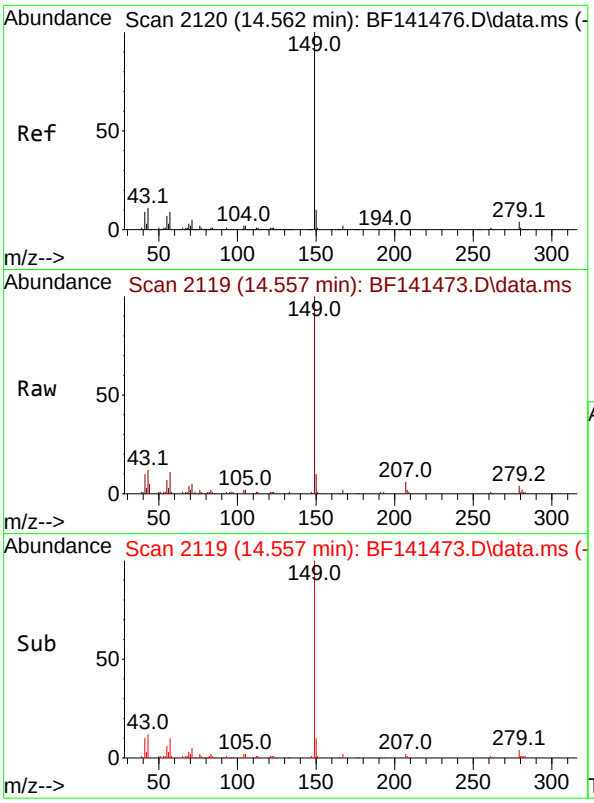




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.457 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:149 Resp: 43735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 25.8 | 21.4 | 32.0 |
| 279 | 3.4 | 3.1 | 4.7 |



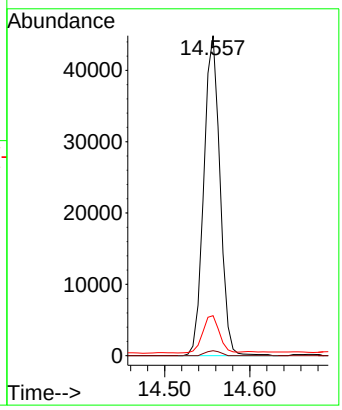


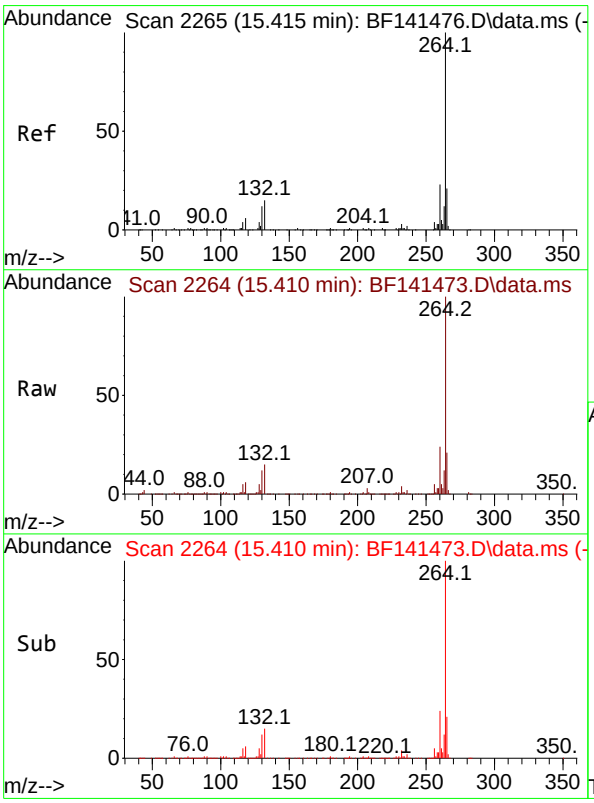

#85
Di-n-octyl phthalate
Concen: 4.229 ng
RT: 14.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:149 Resp: 59200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.4 | 1.3 | 1.9 |
| 43 | 12.0 | 9.5 | 14.3 |

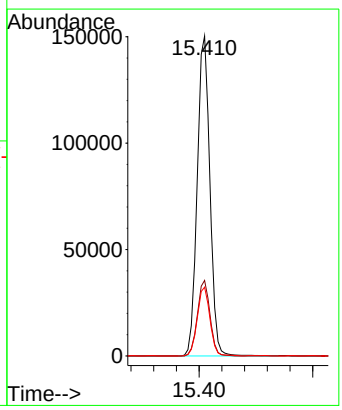


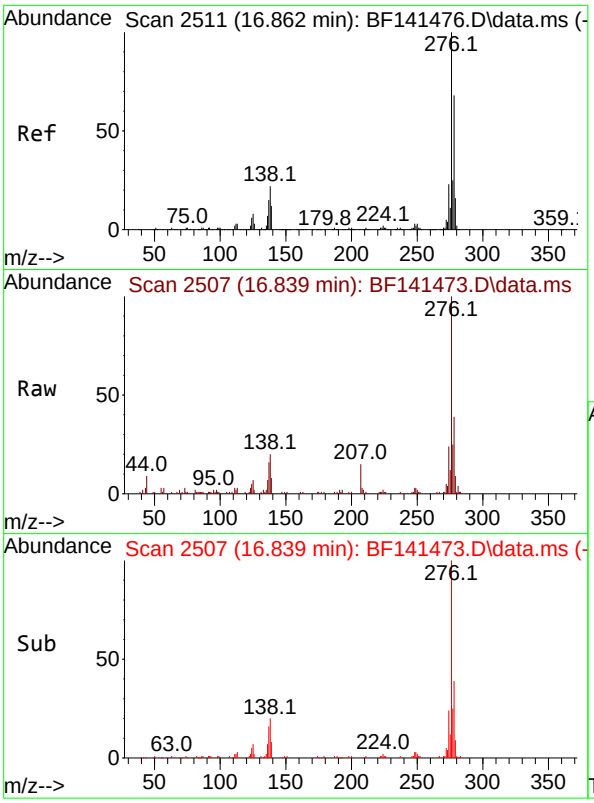




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:264 Resp: 233325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.6 | 28.0 |
| 265 | 21.5 | 17.0 | 25.4 |



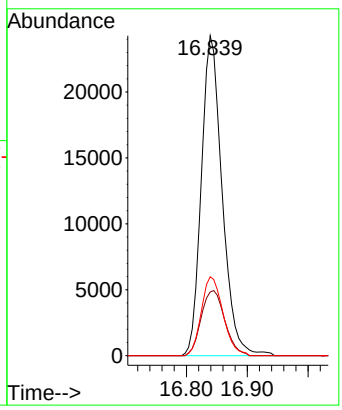


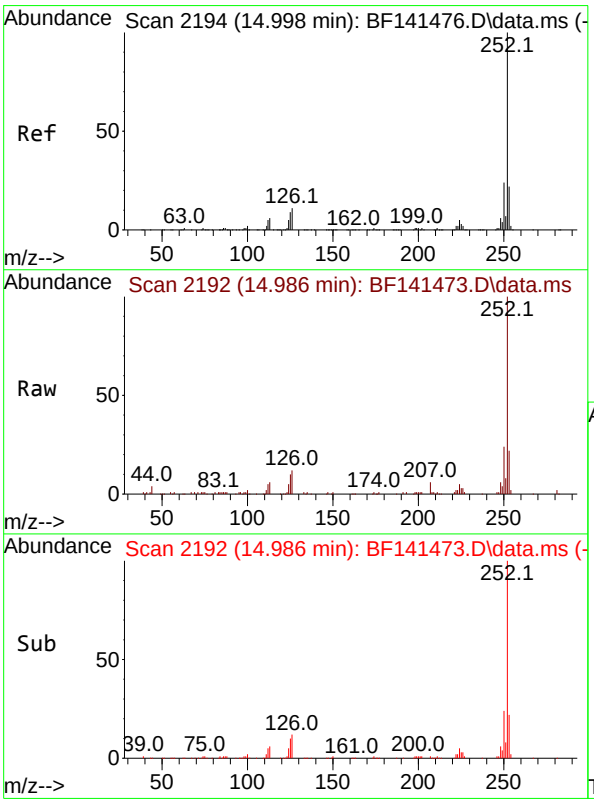

#87
Indeno(1,2,3-cd)pyrene
Concen: 3.993 ng
RT: 16.839 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:276 Resp: 57572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.1 | 18.0 | 27.0 |
| 277 | 25.6 | 20.4 | 30.6 |

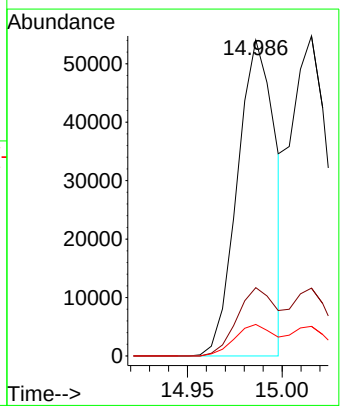


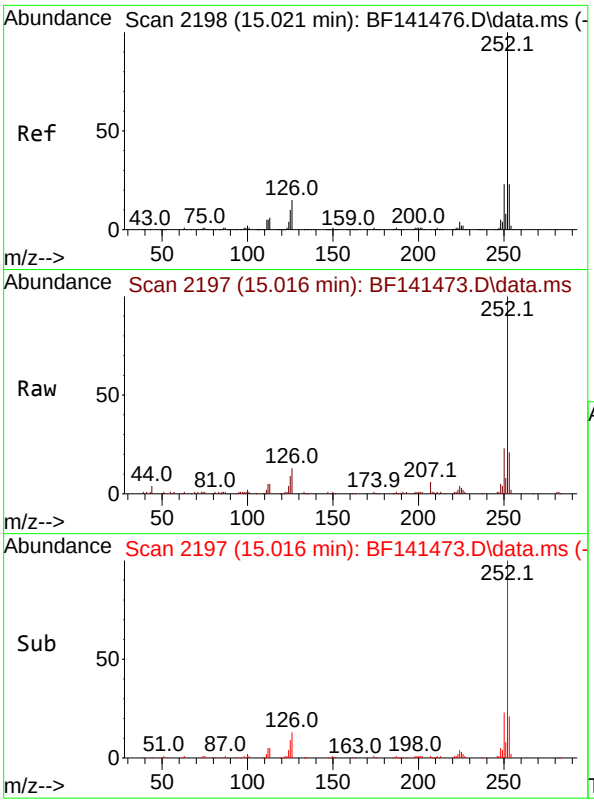




#88
Benzo(b)fluoranthene
Concen: 4.789 ng
RT: 14.986 min Scan# 2192
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:252 Resp: 75033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.5 | 26.3 |
| 125 | 10.0 | 7.0 | 10.6 |



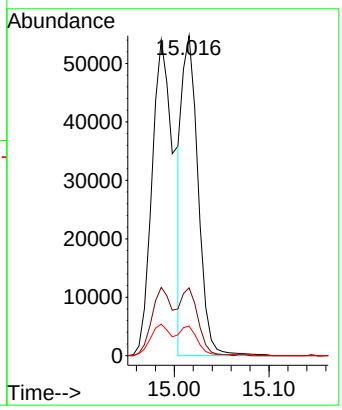


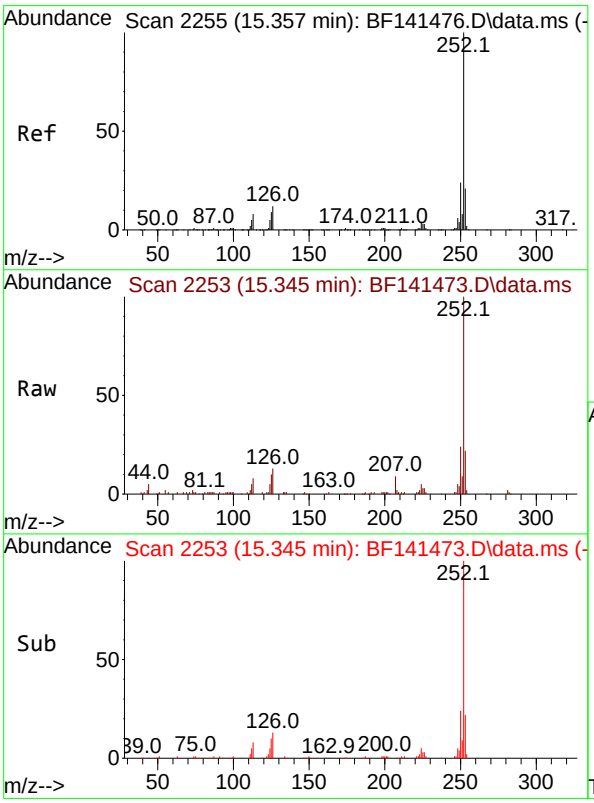

#89
Benzo(k)fluoranthene
Concen: 4.853 ng
RT: 15.016 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:252 Resp: 64919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.2 | 18.0 | 27.0 |
| 125 | 9.2 | 7.4 | 11.0 |

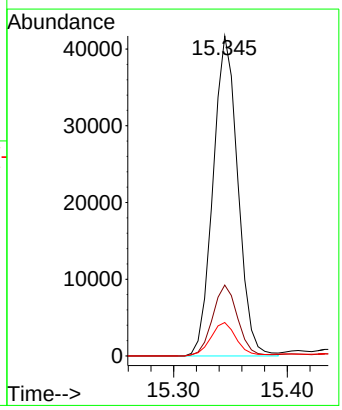


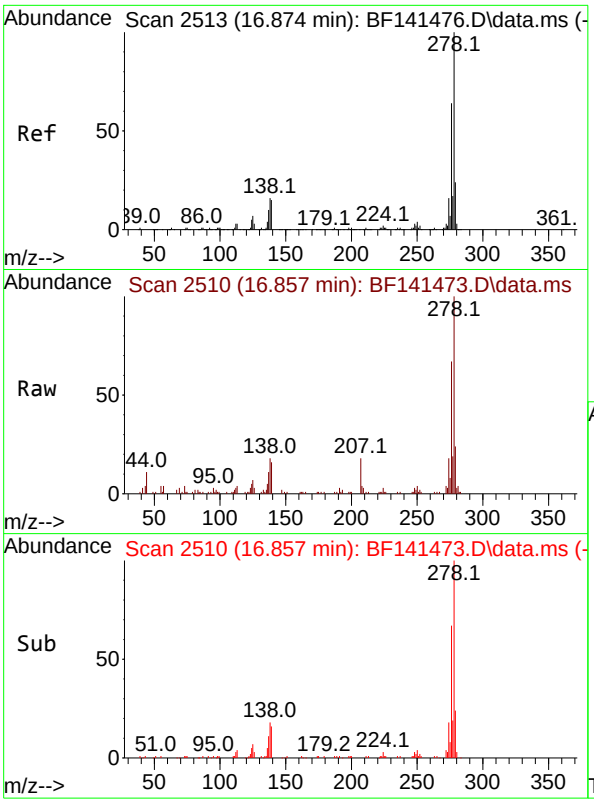




#90
Benzo(a)pyrene
Concen: 4.993 ng
RT: 15.345 min Scan# 2253
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:252 Resp: 63295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.1 | 25.7 |
| 125 | 10.4 | 7.4 | 11.2 |



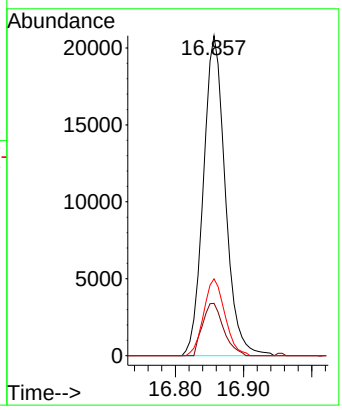


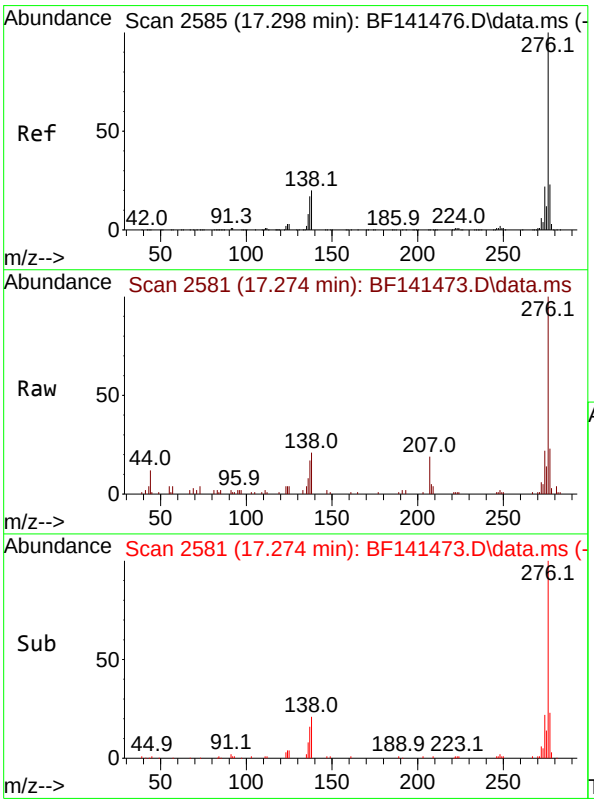

#91
Dibenzo(a,h)anthracene
Concen: 3.974 ng
RT: 16.857 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

Tgt Ion:278 Resp: 46421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.4 | 11.8 | 17.6 |
| 279 | 24.0 | 19.1 | 28.7 |

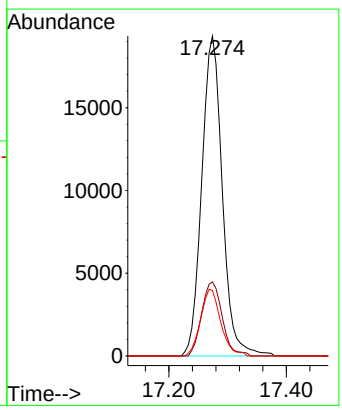



#92
Benzo(g,h,i)perylene
Concen: 3.841 ng
RT: 17.274 min Scan# 2581
Delta R.T. -0.041 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:276 Resp: 46952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.2 | 18.6 | 28.0 |
| 138 | 20.5 | 15.9 | 23.9 |



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141474.D
Acq On : 06 Feb 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Feb 06 16:00:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.787 | 152 | 88879 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.069 | 136 | 361197 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.822 | 164 | 200046 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.310 | 188 | 347312 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.957 | 240 | 284792 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.416 | 264 | 215900 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.410 | 112 | 114669 | 20.227 | ng | | 0.00 |
| 7) Phenol-d6 | 6.422 | 99 | 144805 | 20.209 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.345 | 82 | 136996 | 19.783 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.610 | 330 | 40073 | 19.941 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 9.145 | 172 | 271988 | 20.947 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.898 | 244 | 314541 | 18.645 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.481 | 88 | 23063 | 10.108 | ng | | 95 |
| 3) Pyridine | 3.216 | 79 | 53532 | 9.859 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.146 | 42 | 34386 | 9.564 | ng | # | 97 |
| 6) Aniline | 6.446 | 93 | 68661 | 10.215 | ng | | 92 |
| 8) 2-Chlorophenol | 6.575 | 128 | 62679 | 10.232 | ng | | 99 |
| 9) Benzaldehyde | 6.334 | 77 | 44111 | 11.585 | ng | | 99 |
| 10) Phenol | 6.440 | 94 | 74689 | 10.015 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.522 | 93 | 54627 | 9.752 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.728 | 146 | 65850 | 10.182 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.804 | 146 | 68330 | 10.341 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.957 | 146 | 63948 | 10.428 | ng | | 99 |
| 15) Benzyl Alcohol | 6.928 | 79 | 55580 | 10.115 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063 | 45 | 99782 | 10.406 | ng | | 98 |
| 17) 2-Methylphenol | 7.045 | 107 | 48375 | 10.092 | ng | | 97 |
| 18) Hexachloroethane | 7.298 | 117 | 24233 | 9.910 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.192 | 70 | 43762 | 10.210 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.198 | 107 | 62949 | 10.332 | ng | | 96 |
| 22) Acetophenone | 7.192 | 105 | 90614 | 10.085 | ng | # | 97 |
| 24) Nitrobenzene | 7.363 | 77 | 67032 | 9.927 | ng | | 96 |
| 25) Isophorone | 7.604 | 82 | 107242 | 9.712 | ng | | 99 |
| 26) 2-Nitrophenol | 7.687 | 139 | 31590 | 9.403 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.728 | 122 | 38303 | 9.759 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.816 | 93 | 70458 | 9.958 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 7.934 | 162 | 51883 | 9.784 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.010 | 180 | 57937 | 10.033 | ng | | 97 |
| 31) Naphthalene | 8.092 | 128 | 188046 | 10.002 | ng | | 99 |
| 32) Benzoic acid | 7.810 | 122 | 33645 | 8.253 | ng | | 98 |
| 33) 4-Chloroaniline | 8.145 | 127 | 63529 | 9.678 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.210 | 225 | 34431 | 9.932 | ng | | 98 |
| 35) Caprolactam | 8.481 | 113 | 15331 | 9.495 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.628 | 107 | 58441 | 9.949 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.781 | 142 | 124517 | 10.177 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.881 | 142 | 118722 | 10.019 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 8.945 | 216 | 58800 | 10.160 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 8.934 | 237 | 13785 | 7.161 | ng | | 91 |
| 43) 2,4,6-Trichlorophenol | 9.063 | 196 | 36558 | 9.773 | ng | | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141474.D
Acq On : 06 Feb 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Feb 06 16:00:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

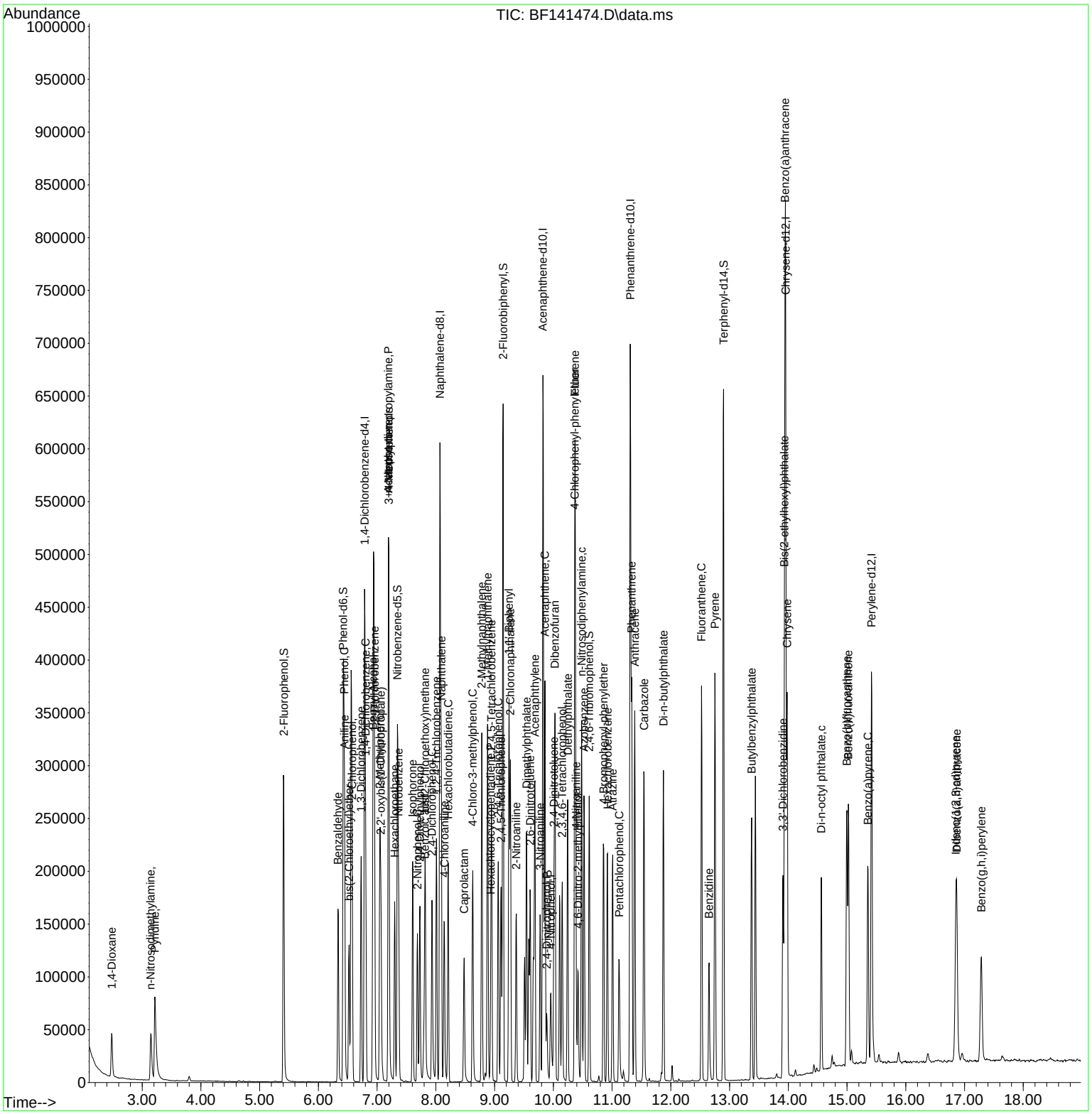
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.110 | 196 | 40697 | 10.039 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.245 | 154 | 156431 | 10.086 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.269 | 162 | 116119 | 10.125 | ng | | 99 |
| 48) 2-Nitroaniline | 9.369 | 65 | 37155 | 9.653 | ng | | 96 |
| 49) Acenaphthylene | 9.686 | 152 | 173644 | 10.179 | ng | | 99 |
| 50) Dimethylphthalate | 9.545 | 163 | 135886 | 10.006 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.604 | 165 | 29006 | 9.770 | ng | | 96 |
| 52) Acenaphthene | 9.857 | 154 | 116461m | 10.155 | ng | | |
| 53) 3-Nitroaniline | 9.775 | 138 | 31330 | 9.805 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 9.886 | 184 | 13341 | 7.561 | ng | | 98 |
| 55) Dibenzofuran | 10.028 | 168 | 172206 | 10.230 | ng | | 98 |
| 56) 4-Nitrophenol | 9.957 | 139 | 21569 | 9.093 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.010 | 165 | 40306 | 10.198 | ng | | 93 |
| 58) Fluorene | 10.369 | 166 | 136110 | 10.458 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.151 | 232 | 36102 | 10.344 | ng | # | 96 |
| 60) Diethylphthalate | 10.245 | 149 | 134593 | 10.073 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.363 | 204 | 64305 | 10.270 | ng | | 97 |
| 62) 4-Nitroaniline | 10.386 | 138 | 31934 | 9.842 | ng | | 98 |
| 63) Azobenzene | 10.522 | 77 | 132968 | 10.010 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.422 | 198 | 20074 | 8.320 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.481 | 169 | 113408 | 10.201 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248 | 38257 | 9.856 | ng | | 97 |
| 68) Hexachlorobenzene | 10.922 | 284 | 40715 | 10.186 | ng | | 98 |
| 69) Atrazine | 11.010 | 200 | 35287 | 10.580 | ng | | 98 |
| 70) Pentachlorophenol | 11.122 | 266 | 22735 | 8.895 | ng | | 98 |
| 71) Phenanthrene | 11.333 | 178 | 196586 | 10.283 | ng | | 99 |
| 72) Anthracene | 11.386 | 178 | 195528 | 10.174 | ng | | 99 |
| 73) Carbazole | 11.545 | 167 | 178223 | 10.306 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.875 | 149 | 200806 | 10.057 | ng | | 100 |
| 75) Fluoranthene | 12.522 | 202 | 215218 | 10.618 | ng | | 99 |
| 77) Benzidine | 12.651 | 184 | 69402 | 11.050 | ng | | 98 |
| 78) Pyrene | 12.751 | 202 | 221721 | 9.146 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.374 | 149 | 76852 | 9.152 | ng | | 100 |
| 81) Benzo(a)anthracene | 13.945 | 228 | 189705 | 10.021 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.910 | 252 | 58487 | 10.785 | ng | | 99 |
| 83) Chrysene | 13.980 | 228 | 174103 | 9.960 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.933 | 149 | 86853 | 9.171 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.563 | 149 | 115875 | 8.576 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.851 | 276 | 111083 | 8.327 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 14.998 | 252 | 151861 | 10.476 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.021 | 252 | 131265 | 10.604 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.357 | 252 | 115948 | 9.885 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.868 | 278 | 89400 | 8.271 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.286 | 276 | 93242 | 8.243 | ng | | 99 |

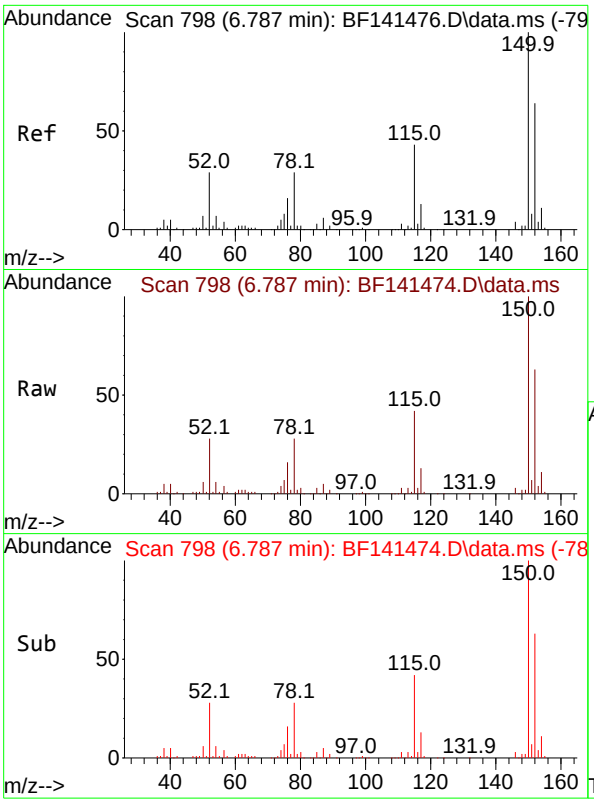
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141474.D
Acq On : 06 Feb 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Feb 06 16:00:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



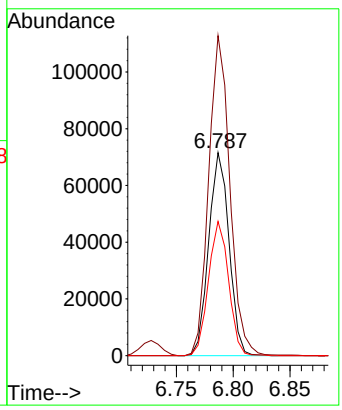


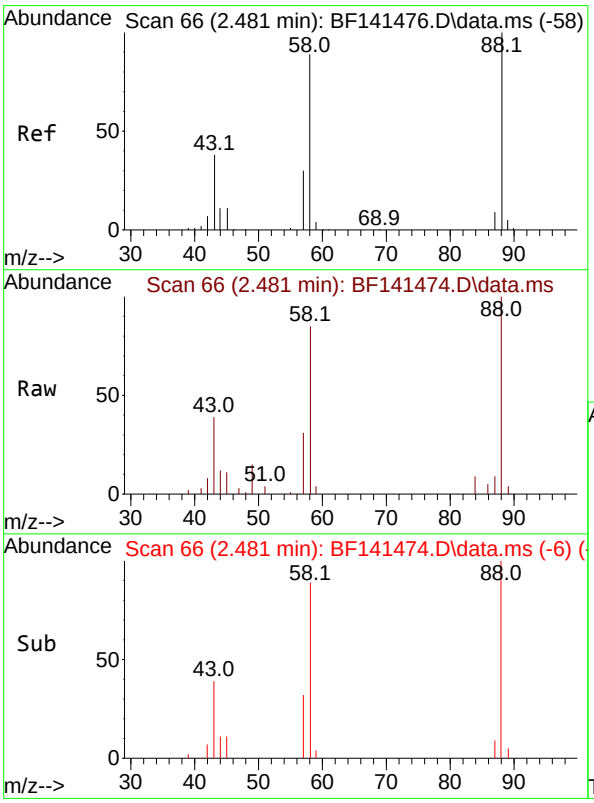

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:152 Resp: 88879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.6 | 125.0 | 187.4 |
| 115 | 66.1 | 53.6 | 80.4 |

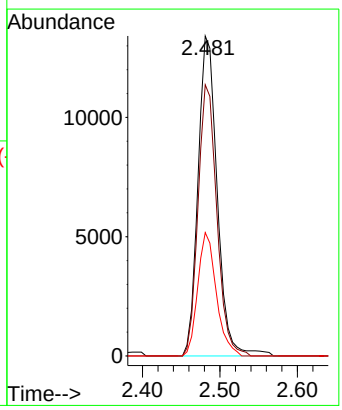


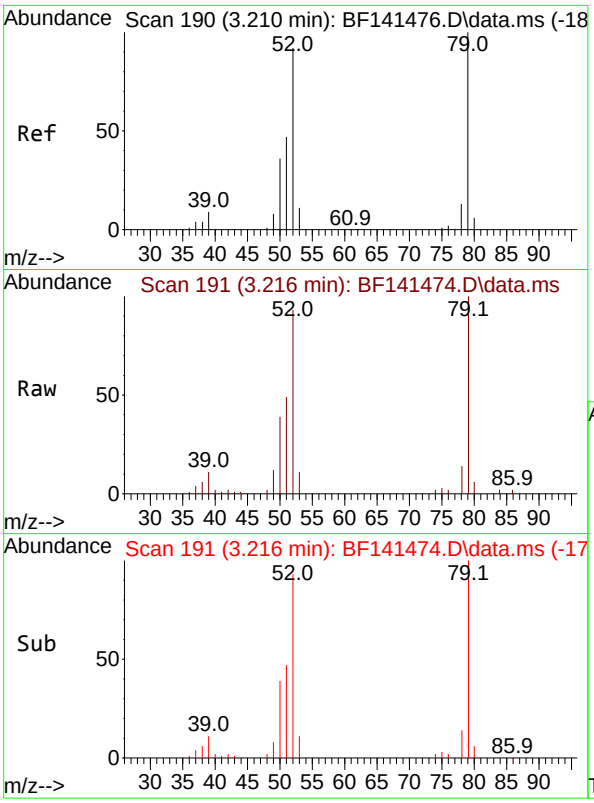




#2
1,4-Dioxane
Concen: 10.108 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 88 Resp: 23063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 83.0 | 71.1 | 106.7 |
| 43 | 37.3 | 30.6 | 46.0 |



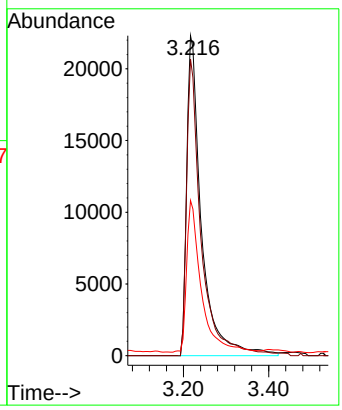


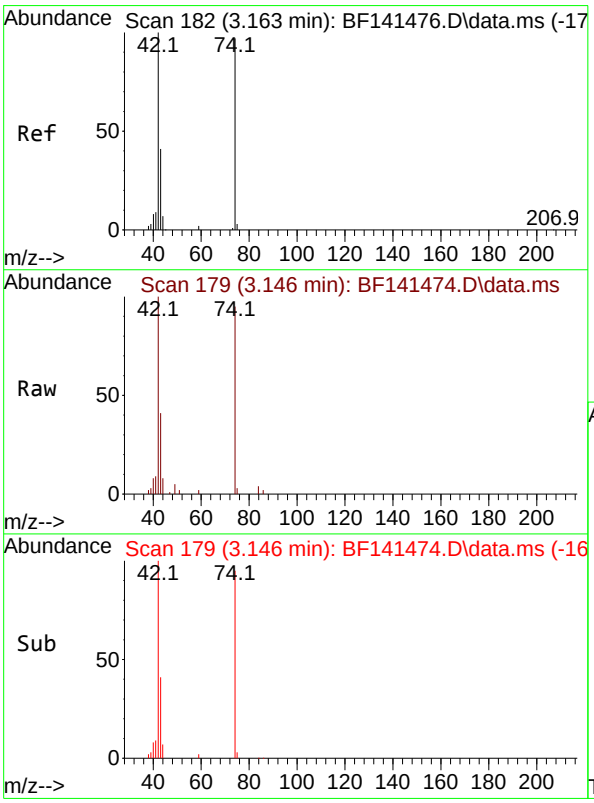

#3
Pyridine
Concen: 9.859 ng
RT: 3.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion: 79 Resp: 53532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 92.7 | 73.7 | 110.5 |
| 51 | 48.5 | 37.5 | 56.3 |

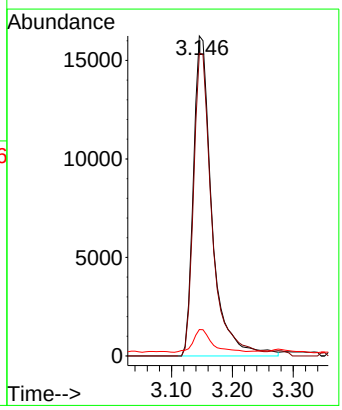


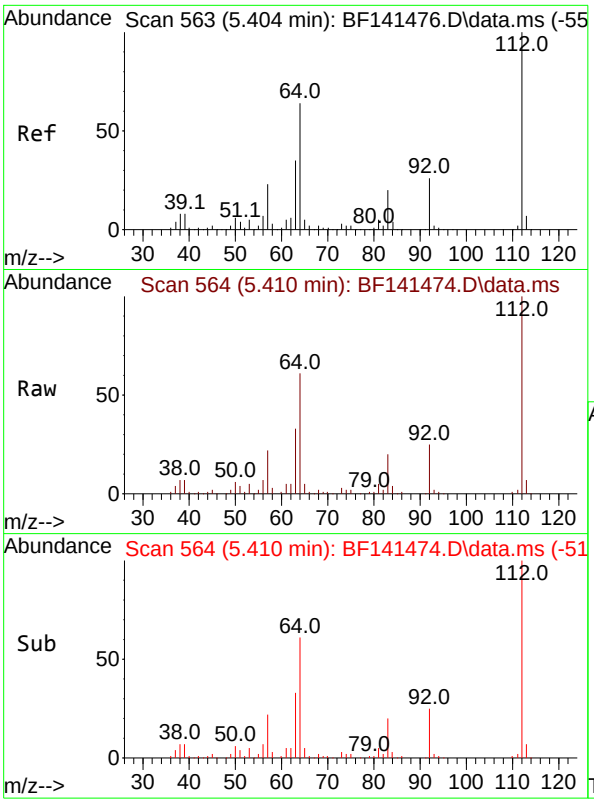




#4
n-Nitrosodimethylamine
Concen: 9.564 ng
RT: 3.146 min Scan# 179
Delta R.T. -0.041 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 42 Resp: 34386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 94.6 | 78.0 | 117.0 |
| 44 | 8.3 | 5.4 | 8.2# |



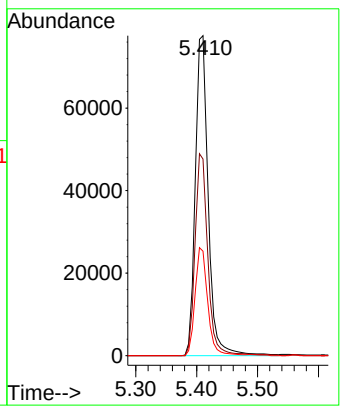


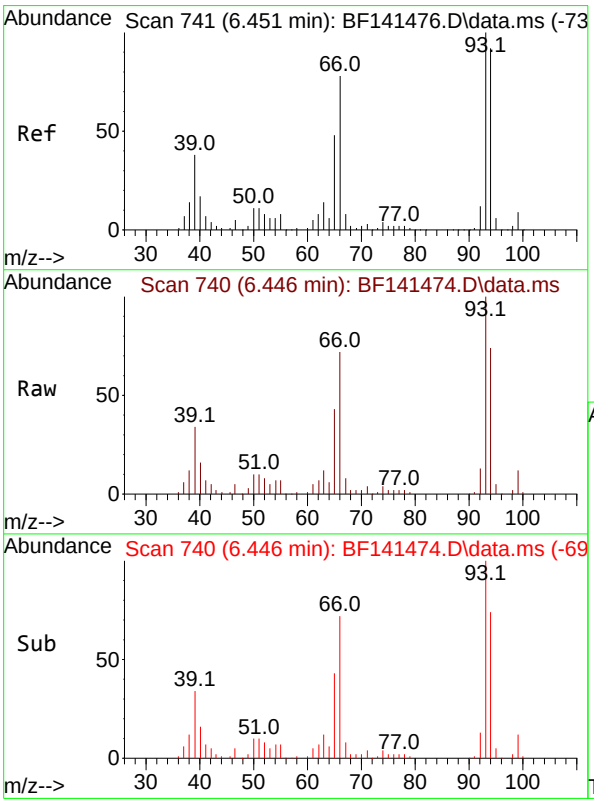

#5
2-Fluorophenol
Concen: 20.227 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:112 Resp: 114669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.5 | 51.1 | 76.7 |
| 63 | 32.6 | 28.4 | 42.6 |

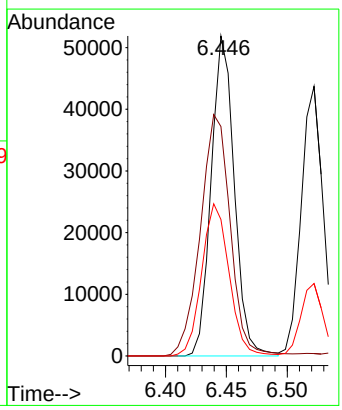


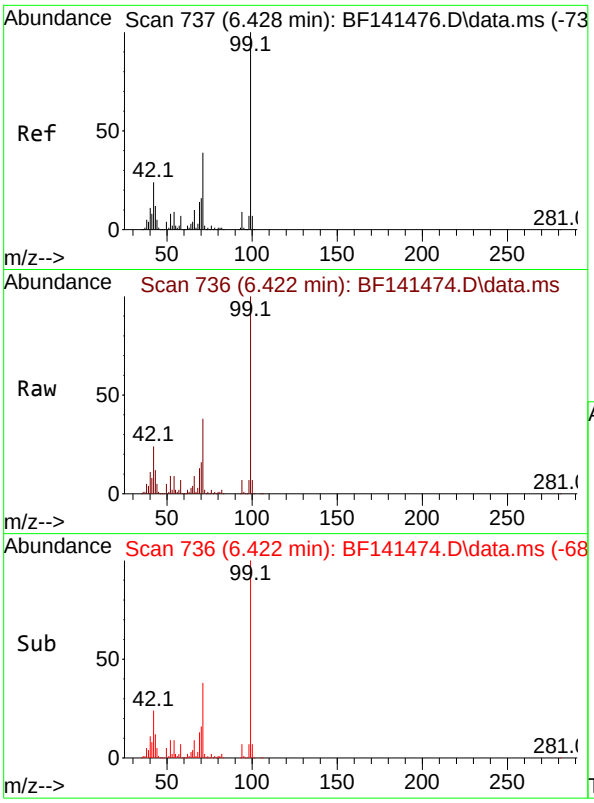




#6
Aniline
Concen: 10.215 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 93 Resp: 68661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 71.7 | 62.6 | 94.0 |
| 65 | 42.7 | 38.3 | 57.5 |



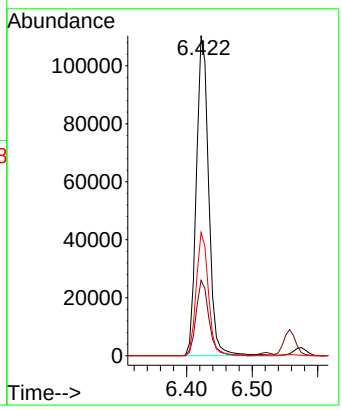


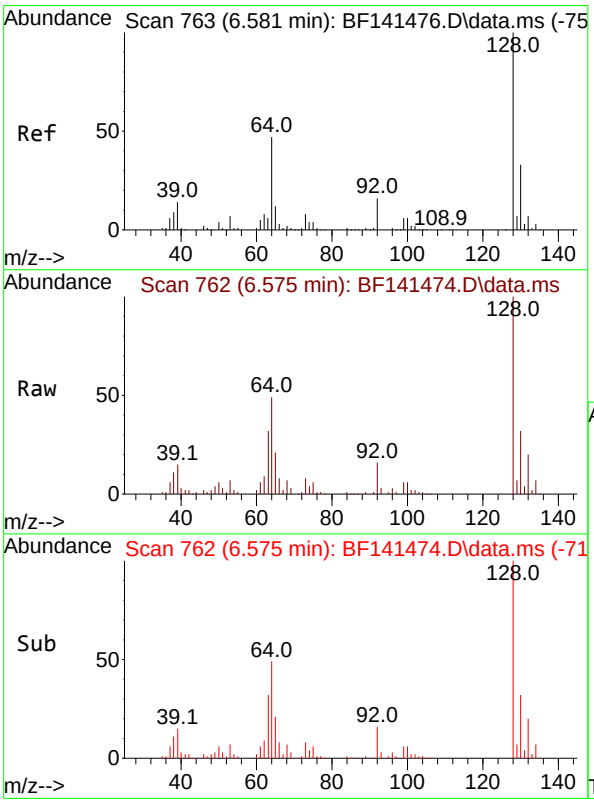

#7
Phenol-d6
Concen: 20.209 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion: 99 Resp: 144805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.6 | 19.1 | 28.7 |
| 71 | 38.5 | 31.1 | 46.7 |

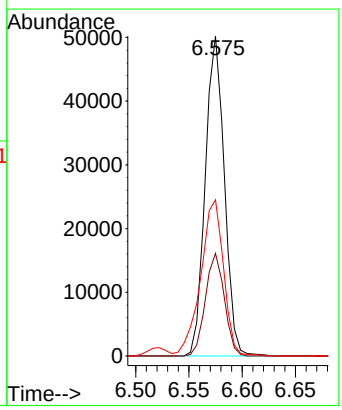


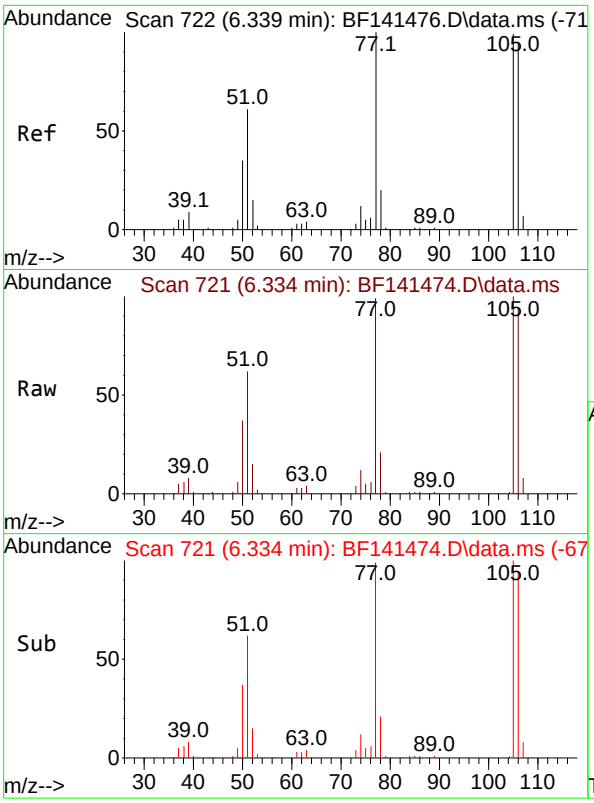




#8
2-Chlorophenol
Concen: 10.232 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:128 Resp: 62679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.0 | 12.7 | 52.7 |
| 64 | 48.8 | 28.3 | 68.3 |



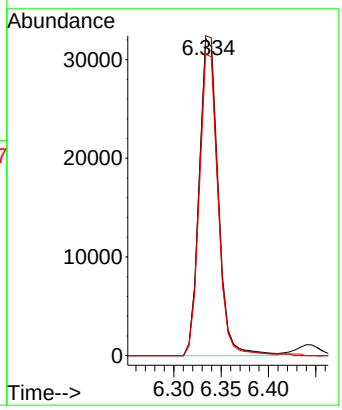


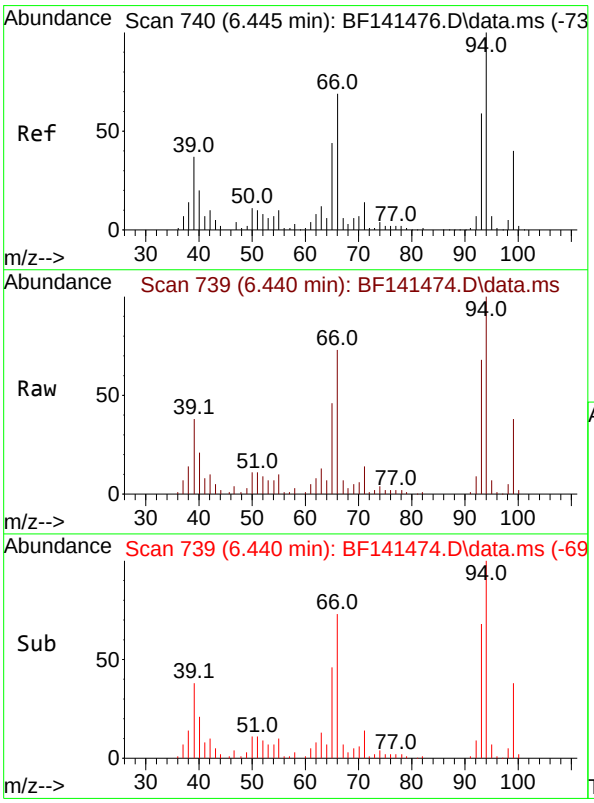

#9
Benzaldehyde
Concen: 11.585 ng
RT: 6.334 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion: 77 Resp: 44111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 100.9 | 79.4 | 119.4 |
| 106 | 95.1 | 75.1 | 115.1 |

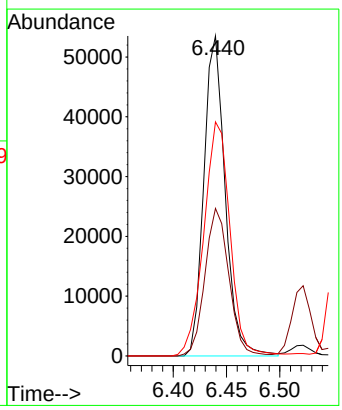


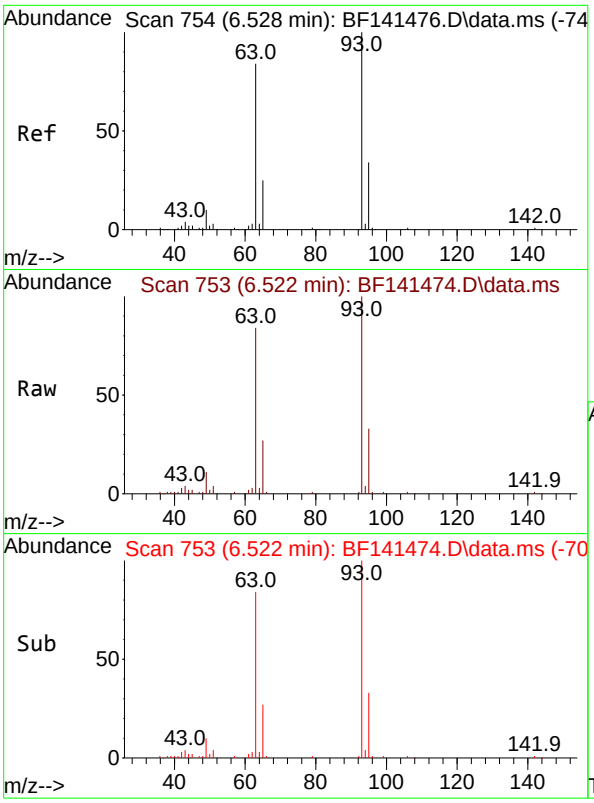




#10
Phenol
Concen: 10.015 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 94 Resp: 74689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 46.1 | 23.7 | 63.7 |
| 66 | 73.1 | 49.3 | 89.3 |



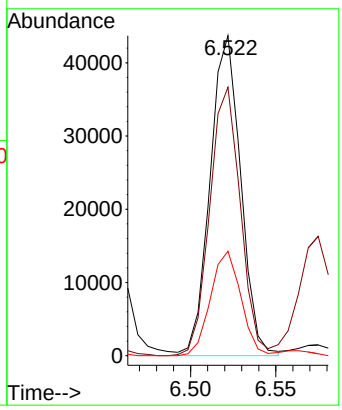


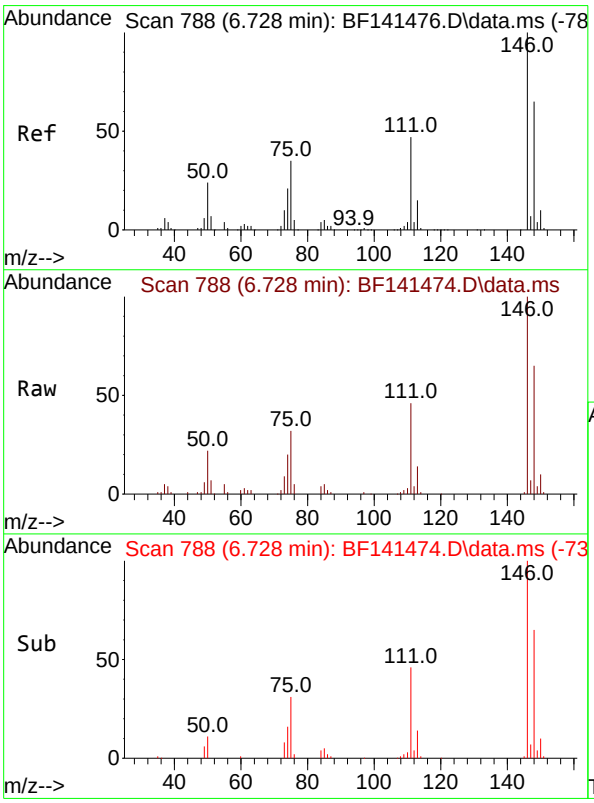

#11
bis(2-Chloroethyl)ether
Concen: 9.752 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion: 93 Resp: 54627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 83.9 | 62.0 | 102.0 |
| 95 | 32.6 | 12.6 | 52.6 |

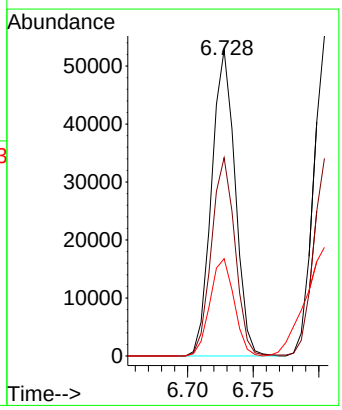


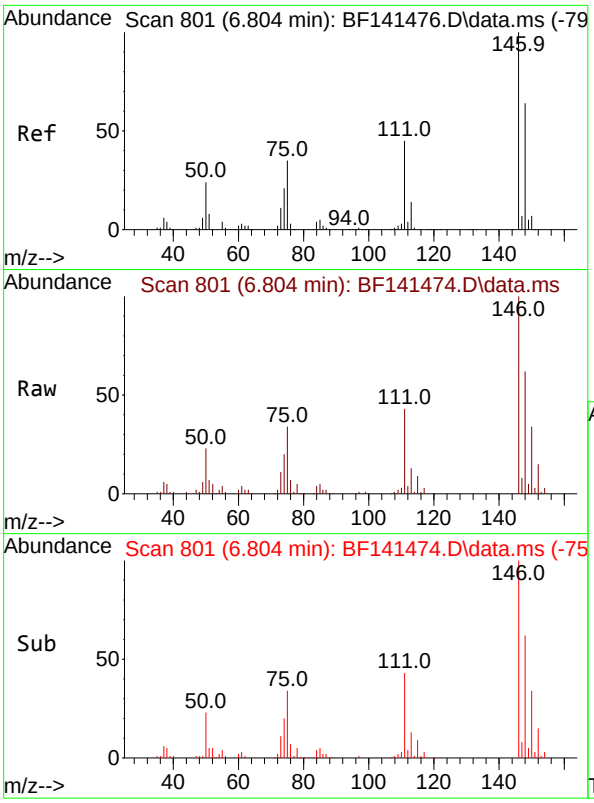




#12
1,3-Dichlorobenzene
Concen: 10.182 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:146 Resp: 65850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.9 | 77.9 |
| 75 | 31.8 | 28.2 | 42.2 |



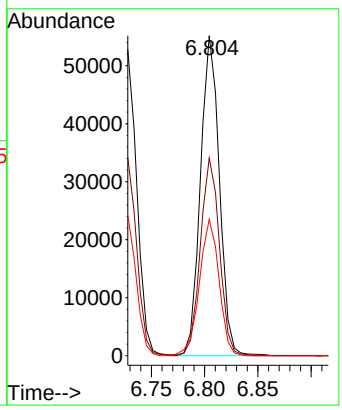


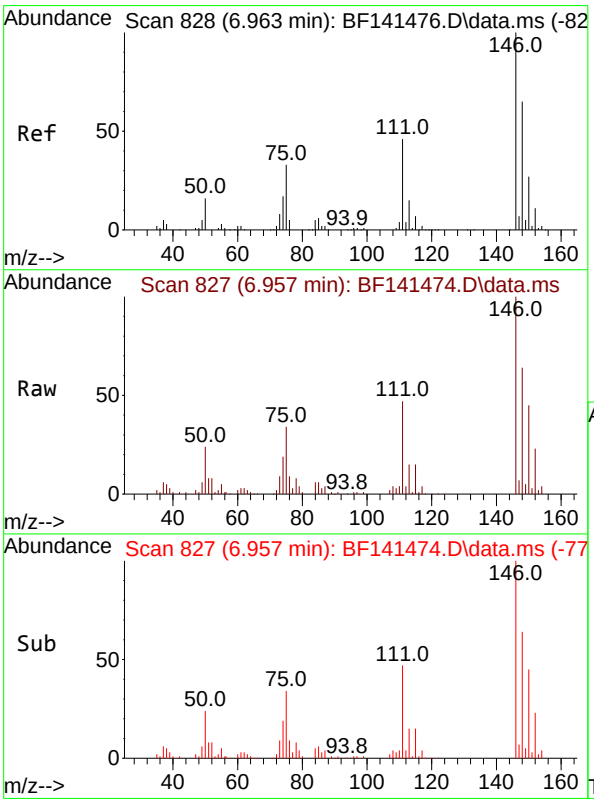

#13
1,4-Dichlorobenzene
Concen: 10.341 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:146 Resp: 68330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 61.7 | 50.9 | 76.3 |
| 111 | 42.6 | 35.9 | 53.9 |

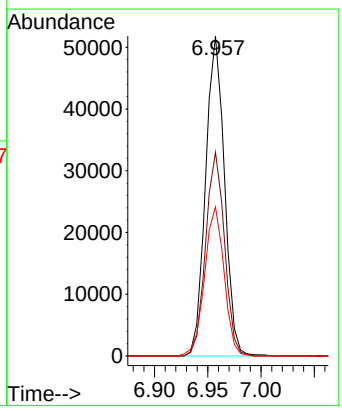


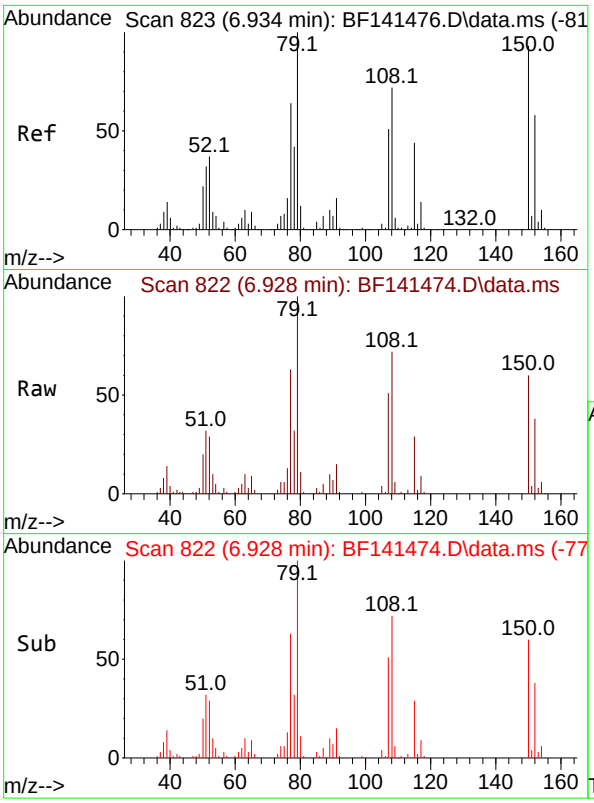




#14
1,2-Dichlorobenzene
Concen: 10.428 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:146 Resp: 63948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 51.8 | 77.6 |
| 111 | 46.6 | 37.0 | 55.4 |



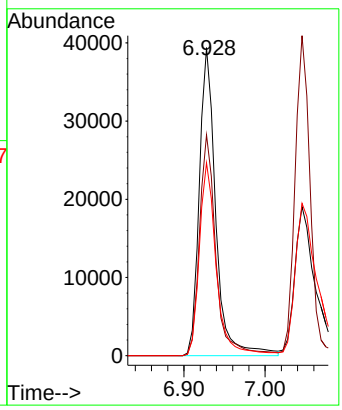


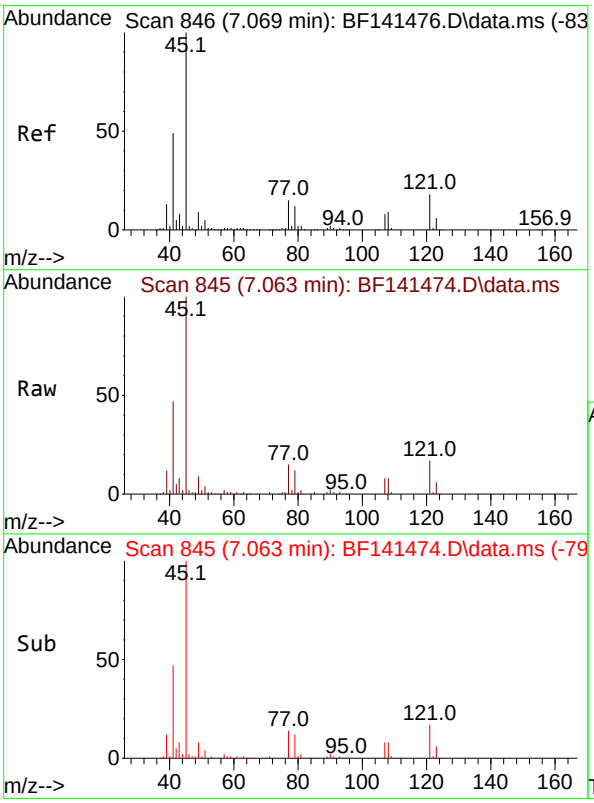

#15
Benzyl Alcohol
Concen: 10.115 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion: 79 Resp: 55580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 71.7 | 57.4 | 86.2 |
| 77 | 62.6 | 50.9 | 76.3 |

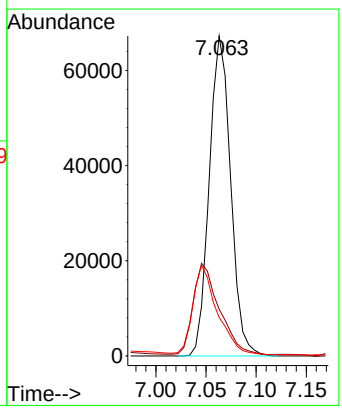


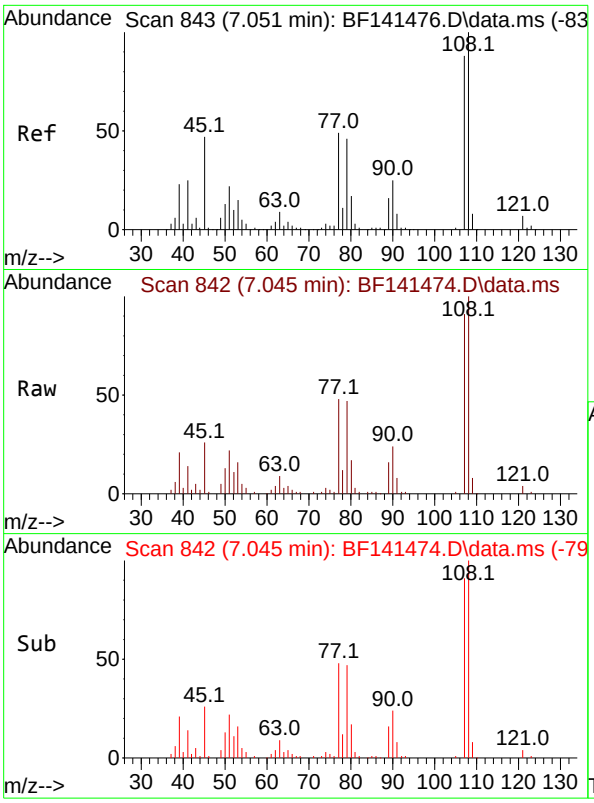




#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.406 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 45 Resp: 99782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.6 | 0.0 | 35.8 |
| 79 | 12.1 | 0.0 | 32.7 |



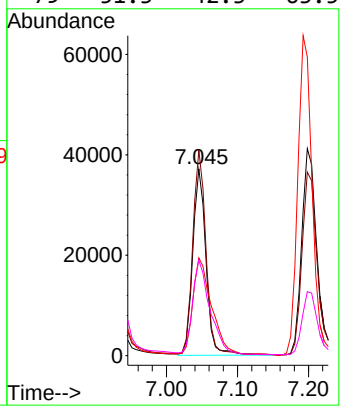


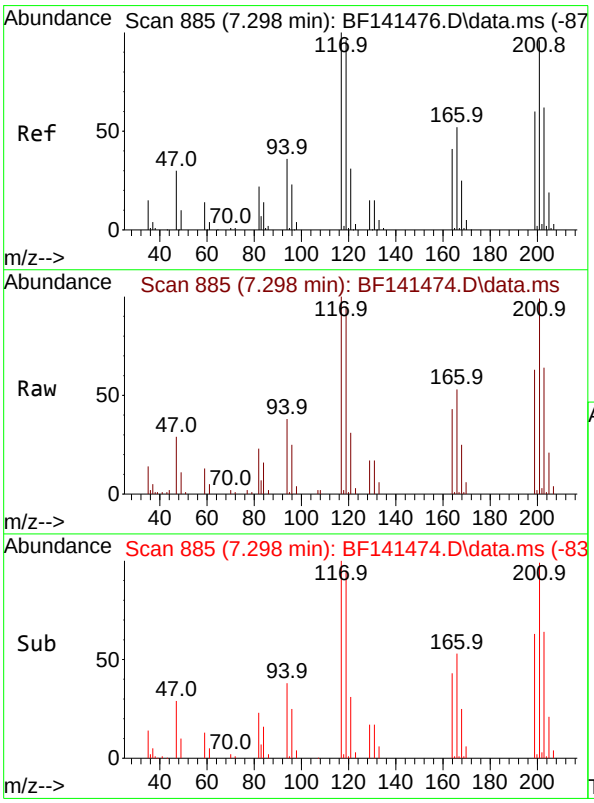

#17
2-Methylphenol
Concen: 10.092 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:107 Resp: 48375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 110.1 | 90.6 | 136.0 |
| 77 | 52.4 | 44.4 | 66.6 |
| 79 | 51.3 | 42.3 | 63.5 |

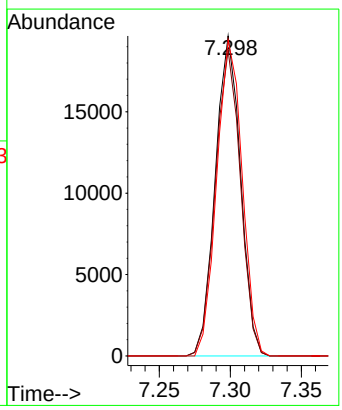


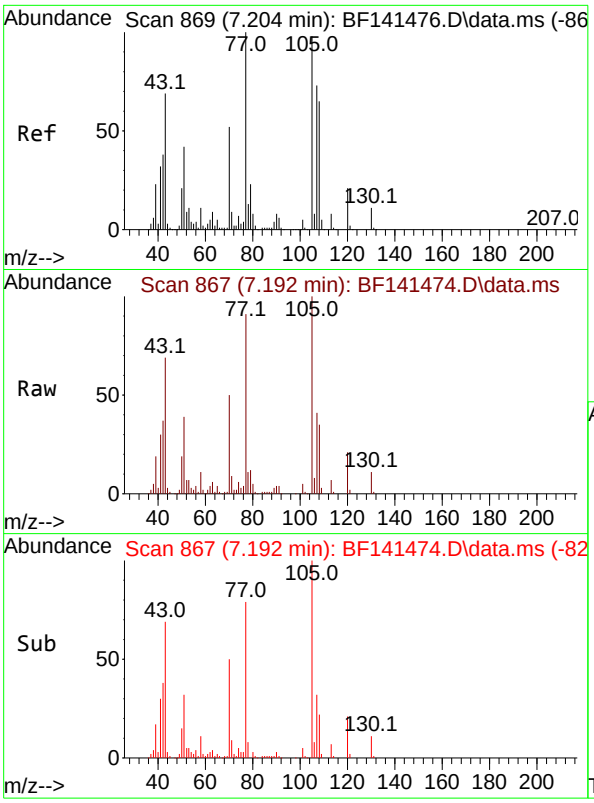




#18
Hexachloroethane
Concen: 9.910 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:117 Resp: 24233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.5 | 76.5 | 114.7 |
| 201 | 98.8 | 76.7 | 115.1 |



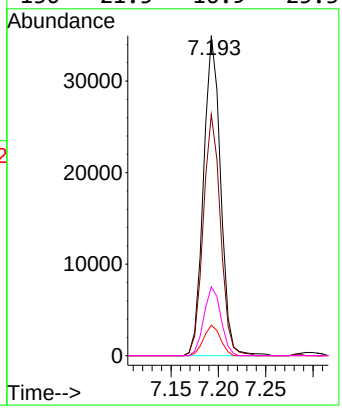


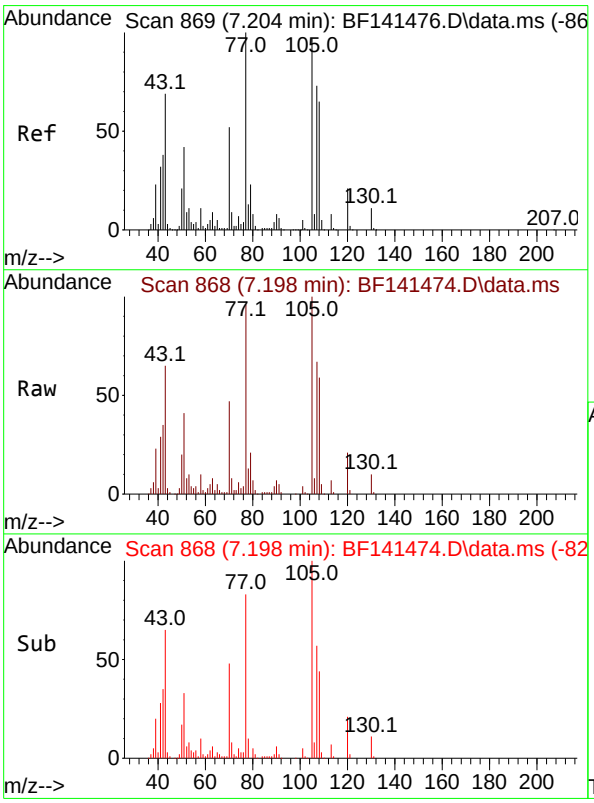

#19
n-Nitroso-di-n-propylamine
Concen: 10.210 ng
RT: 7.192 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion: 70 Resp: 43762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 75.4 | 57.4 | 86.2 |
| 101 | 9.5 | 8.0 | 12.0 |
| 130 | 21.5 | 16.9 | 25.3 |

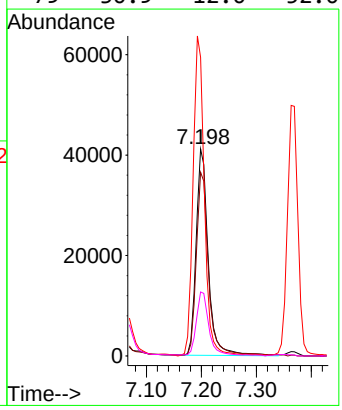


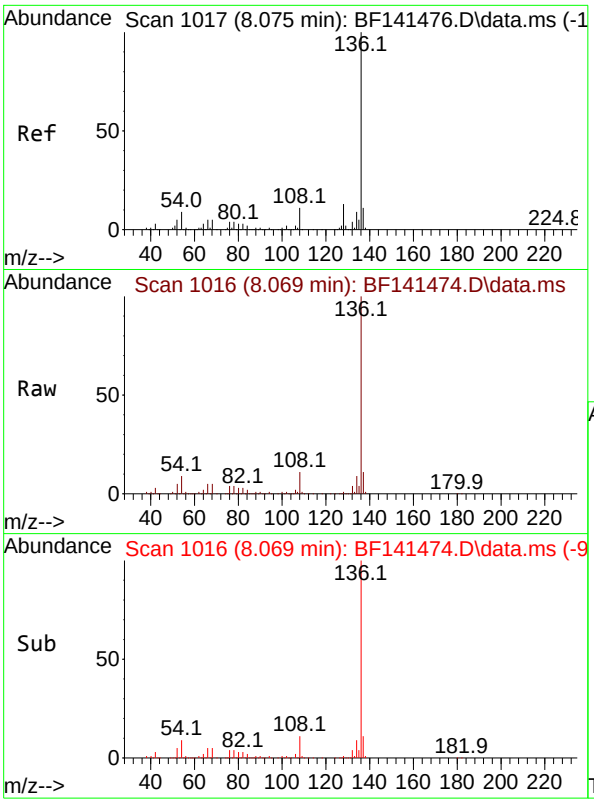




#20
3+4-Methylphenols
Concen: 10.332 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:107 Resp: 62949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.7 | 68.5 | 108.5 |
| 77 | 144.2 | 116.5 | 156.5 |
| 79 | 30.9 | 12.0 | 52.0 |



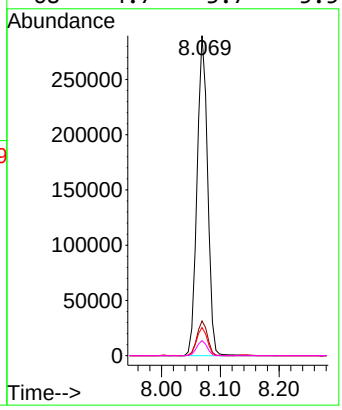


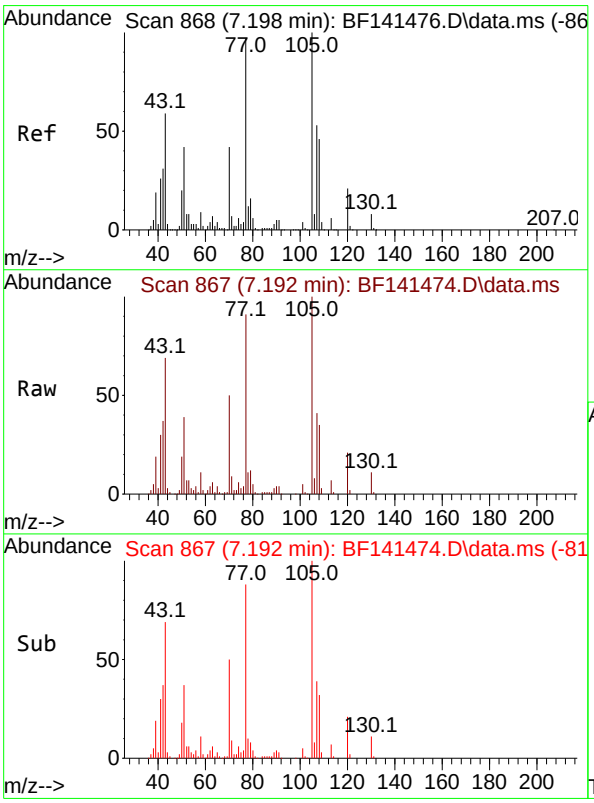

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:136 Resp: 361197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.6 | 13.0 |
| 54 | 8.8 | 7.2 | 10.8 |
| 68 | 4.7 | 3.7 | 5.5 |

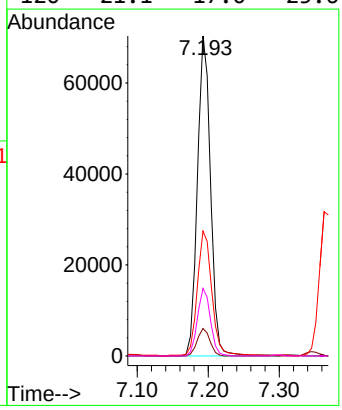


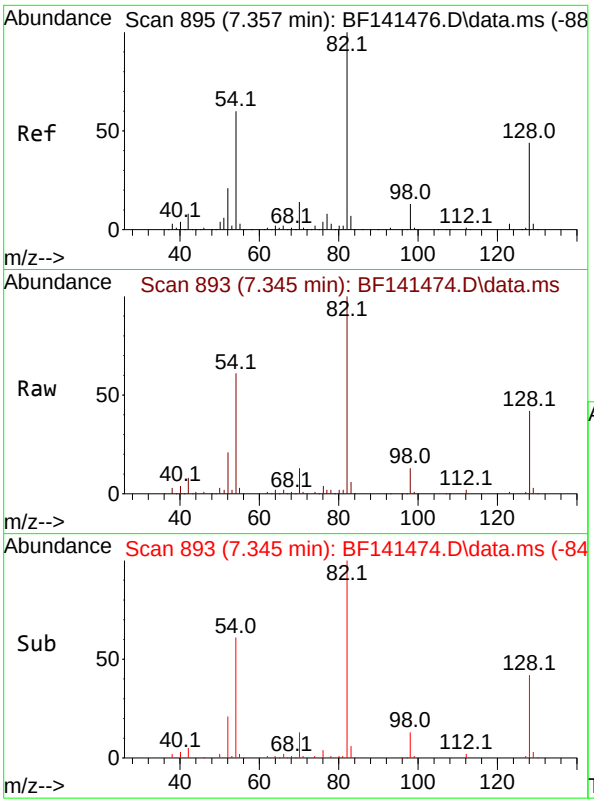




#22
Acetophenone
Concen: 10.085 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:105 Resp: 90614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.6 | 5.7 | 8.5# |
| 51 | 39.0 | 33.7 | 50.5 |
| 120 | 21.1 | 17.0 | 25.6 |



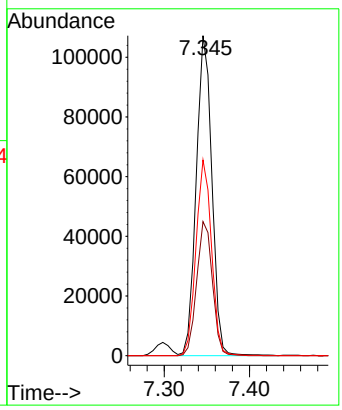


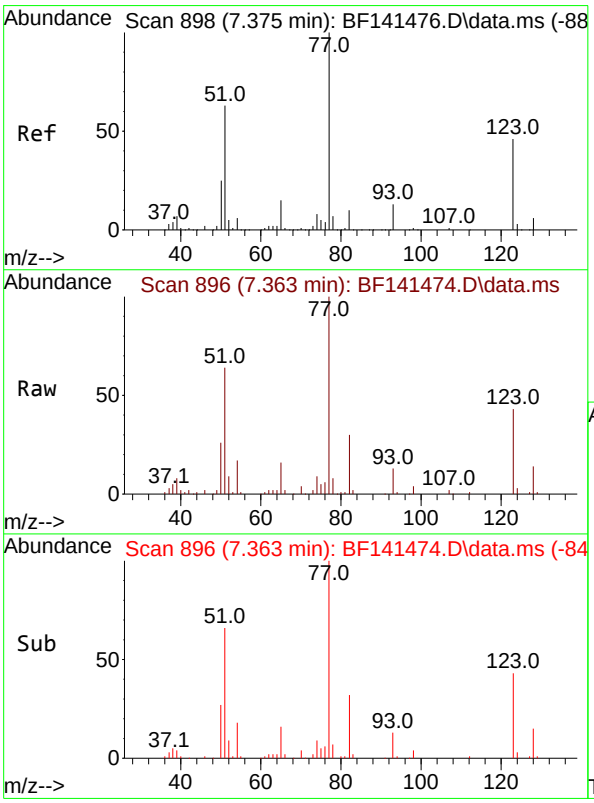

#23
Nitrobenzene-d5
Concen: 19.783 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion: 82 Resp: 136996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.9 | 34.8 | 52.2 |
| 54 | 61.2 | 48.2 | 72.4 |

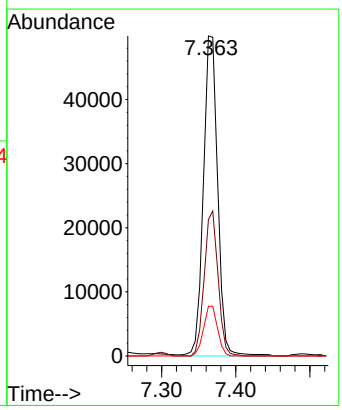


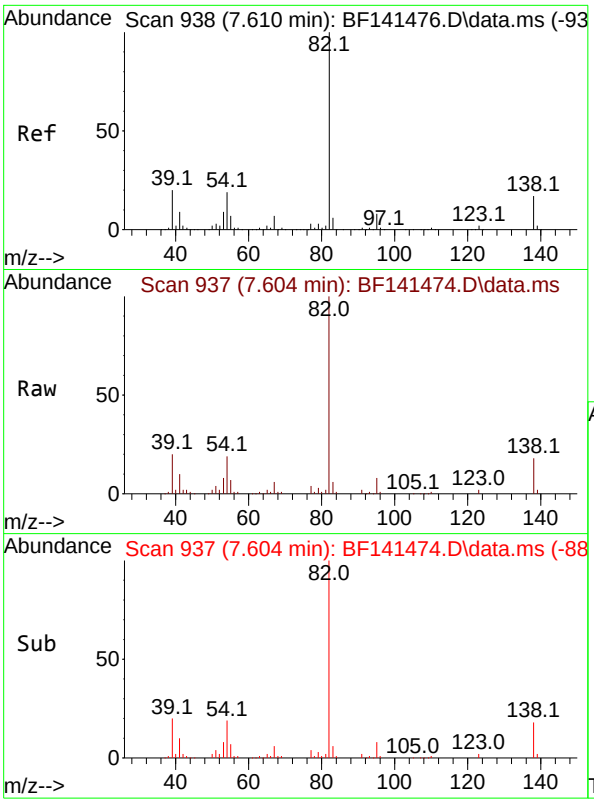




#24
Nitrobenzene
Concen: 9.927 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 77 Resp: 67032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 42.7 | 36.9 | 55.3 |
| 65 | 15.5 | 11.9 | 17.9 |



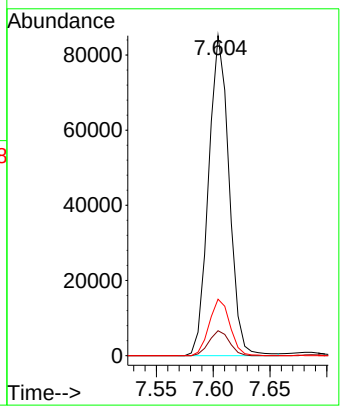


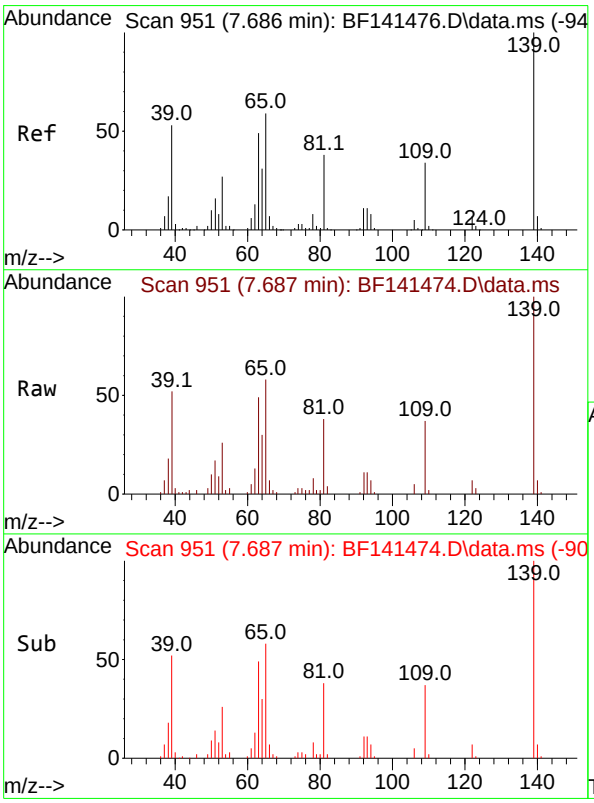

#25
Isophorone
Concen: 9.712 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion: 82 Resp: 107242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.8 | 6.4 | 9.6 |
| 138 | 17.7 | 13.9 | 20.9 |

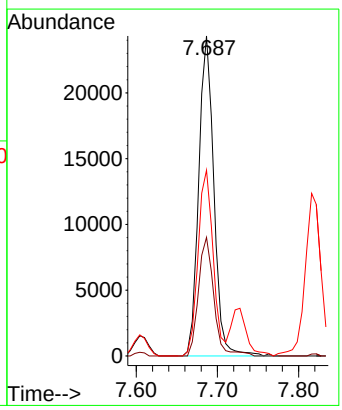


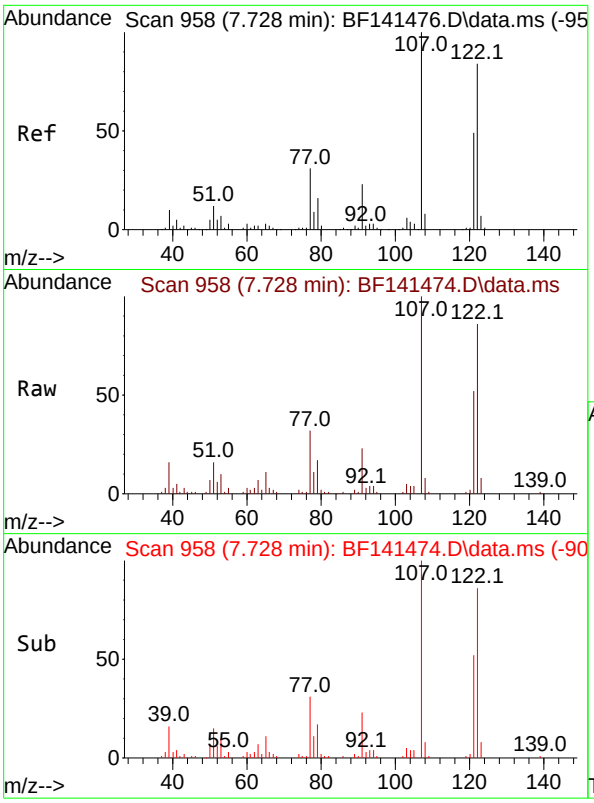




#26
2-Nitrophenol
Concen: 9.403 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:139 Resp: 31590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 37.1 | 27.0 | 40.6 |
| 65 | 58.1 | 47.1 | 70.7 |



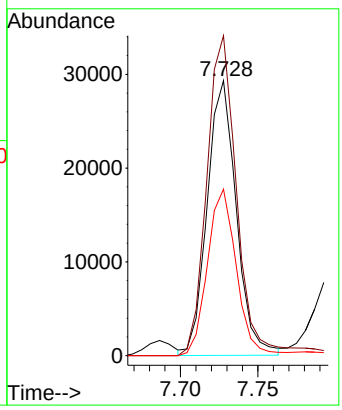


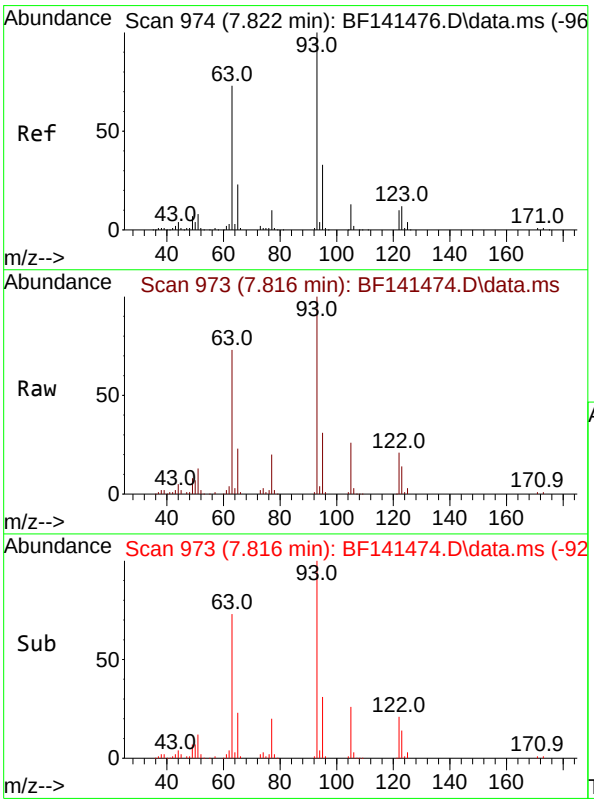

#27
2,4-Dimethylphenol
Concen: 9.759 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:122 Resp: 38303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 116.3 | 94.3 | 141.5 |
| 121 | 60.5 | 46.0 | 69.0 |

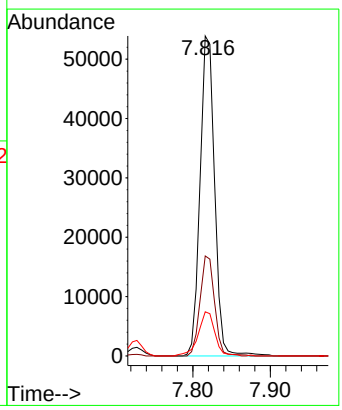


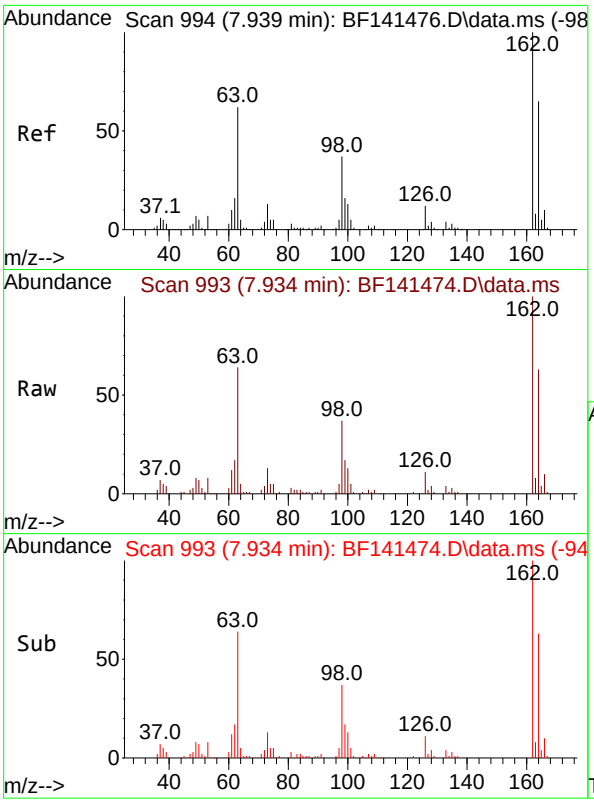




#28
bis(2-Chloroethoxy)methane
Concen: 9.958 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 93 Resp: 70458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 31.3 | 26.1 | 39.1 |
| 123 | 13.8 | 9.5 | 14.3 |



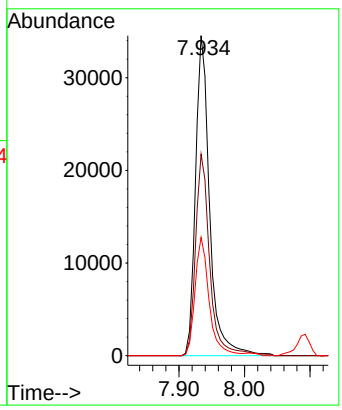


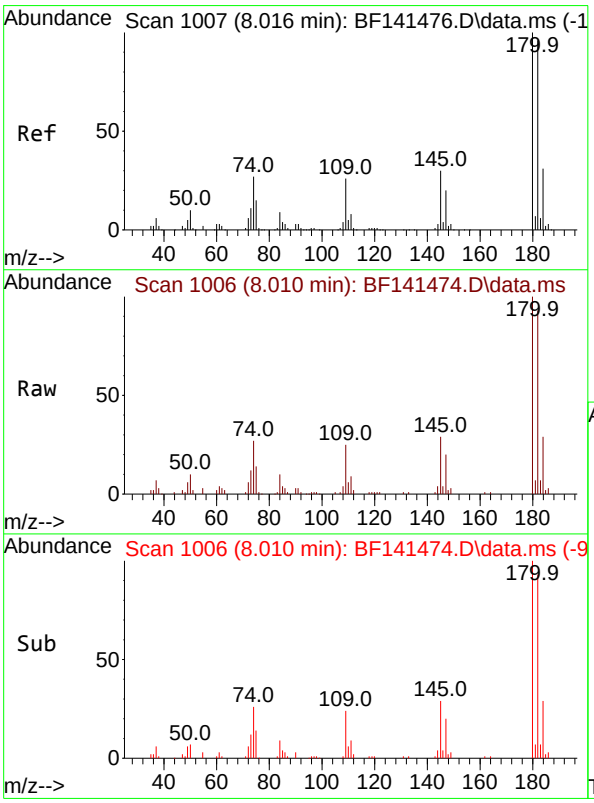

#29
2,4-Dichlorophenol
Concen: 9.784 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:162 Resp: 51883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.0 | 44.6 | 84.6 |
| 98 | 36.9 | 17.2 | 57.2 |

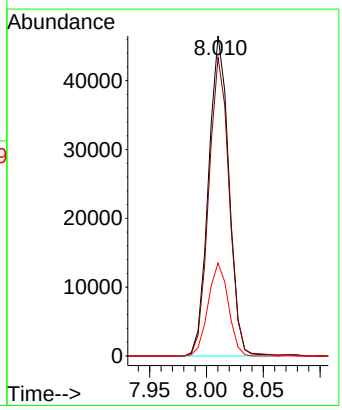


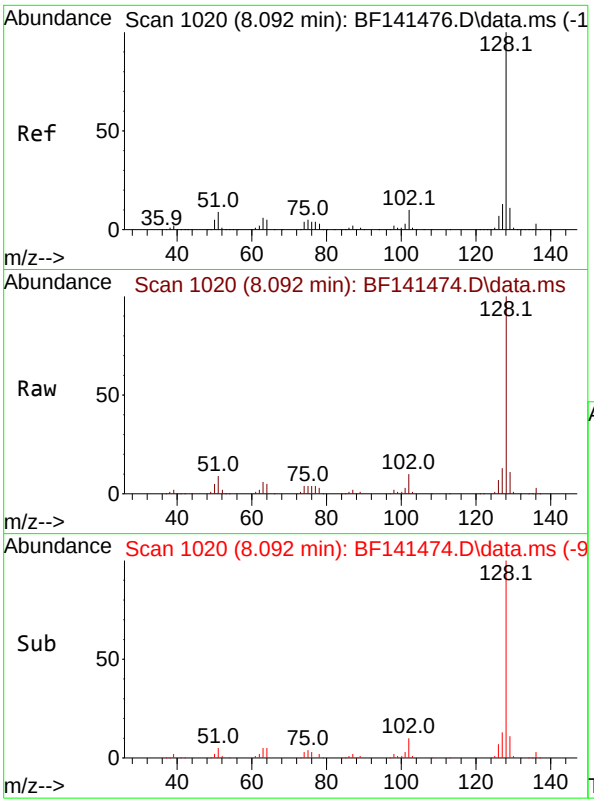




#30
1,2,4-Trichlorobenzene
Concen: 10.033 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:180 Resp: 57937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.3 | 76.8 | 115.2 |
| 145 | 29.1 | 24.2 | 36.4 |



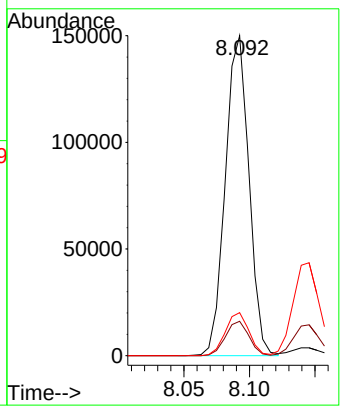


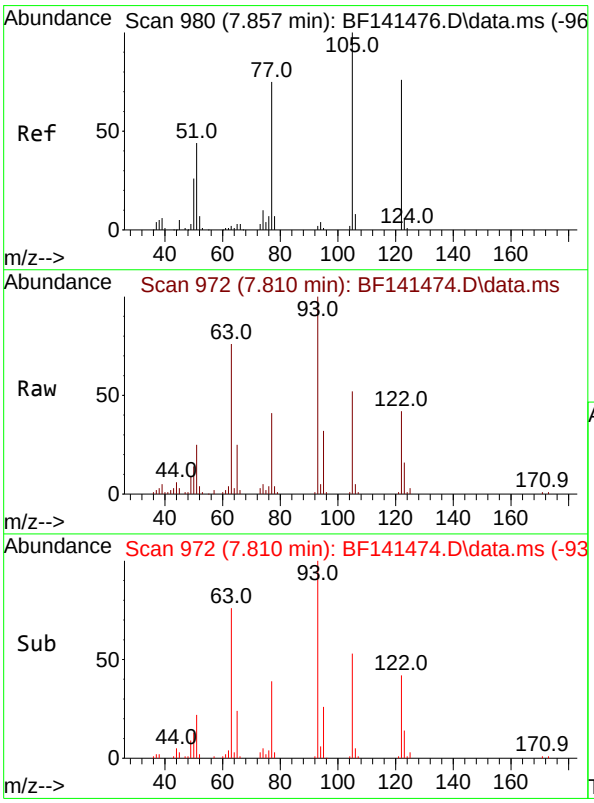

#31
Naphthalene
Concen: 10.002 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:128 Resp: 188046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.7 | 8.9 | 13.3 |
| 127 | 13.5 | 10.7 | 16.1 |

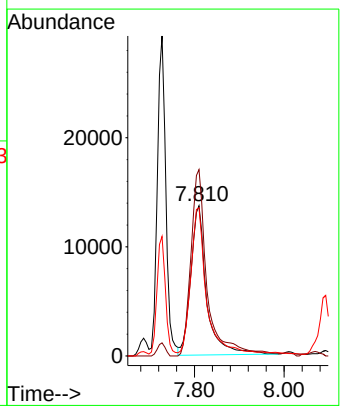


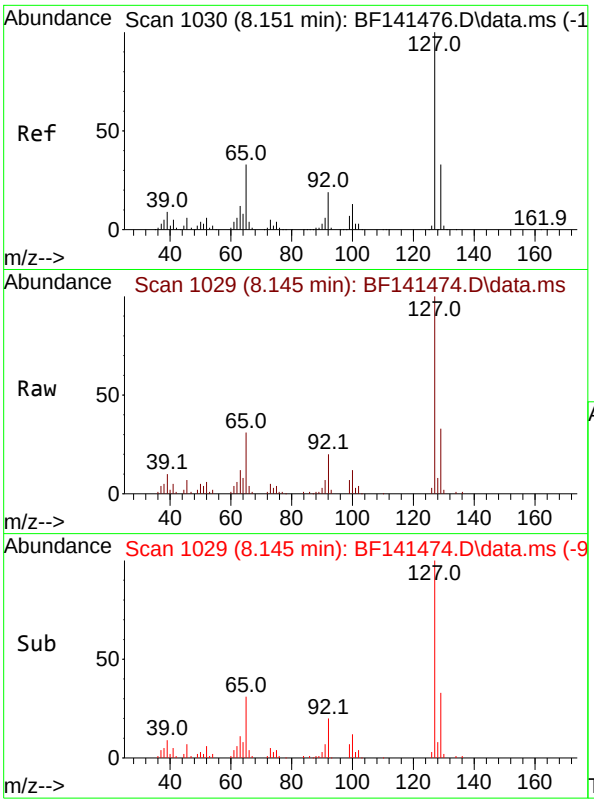




#32
Benzoic acid
Concen: 8.253 ng
RT: 7.810 min Scan# 972
Delta R.T. -0.082 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:122 Resp: 33645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.1 | 106.5 | 146.5 |
| 77 | 98.6 | 76.3 | 116.3 |



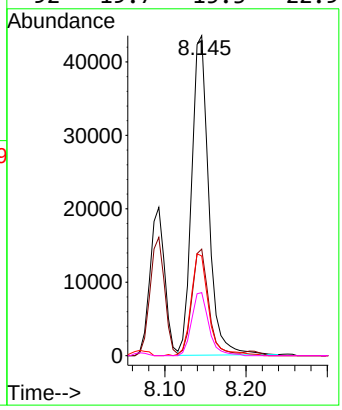


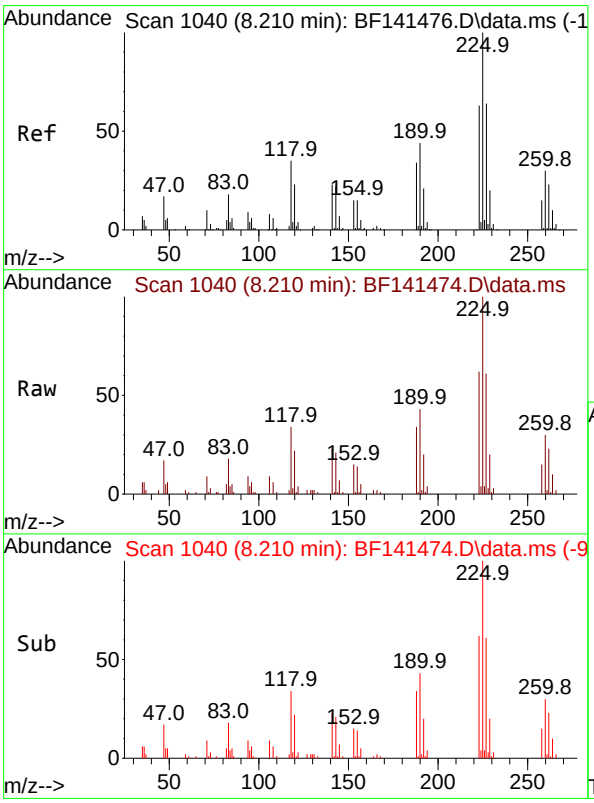

#33
4-Chloroaniline
Concen: 9.678 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:127 Resp: 63529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 33.3 | 26.5 | 39.7 |
| 65 | 31.2 | 26.4 | 39.6 |
| 92 | 19.7 | 15.3 | 22.9 |

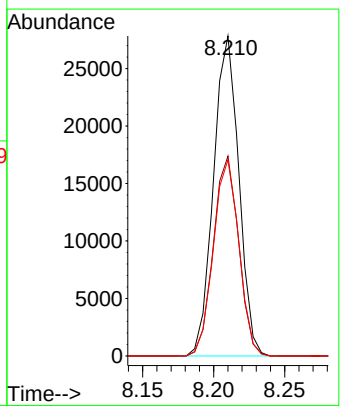


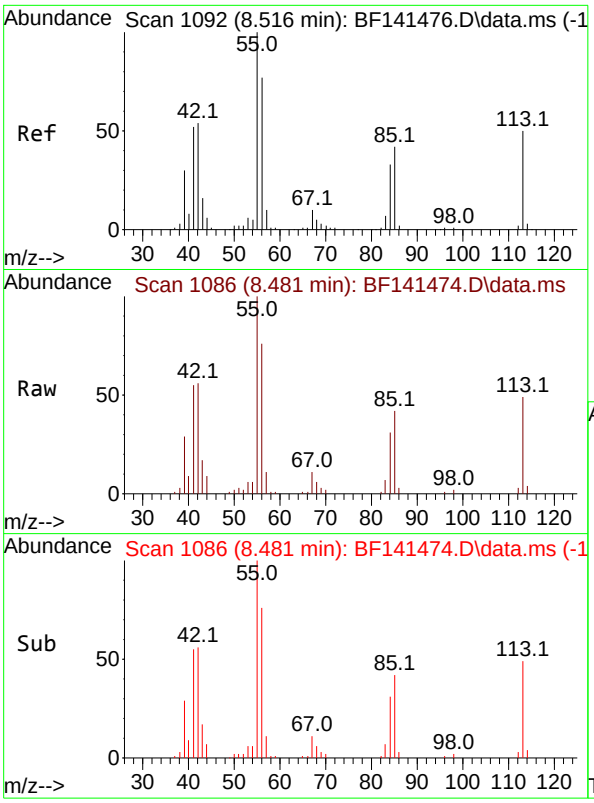




#34
Hexachlorobutadiene
Concen: 9.932 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:225 Resp: 34431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.4 | 50.1 | 75.1 |
| 227 | 61.3 | 51.0 | 76.6 |



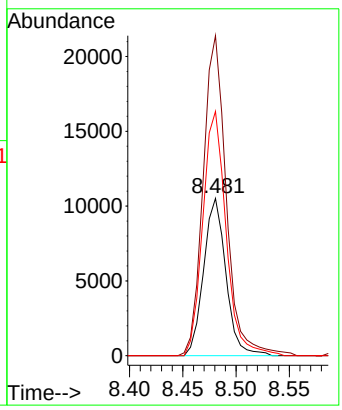


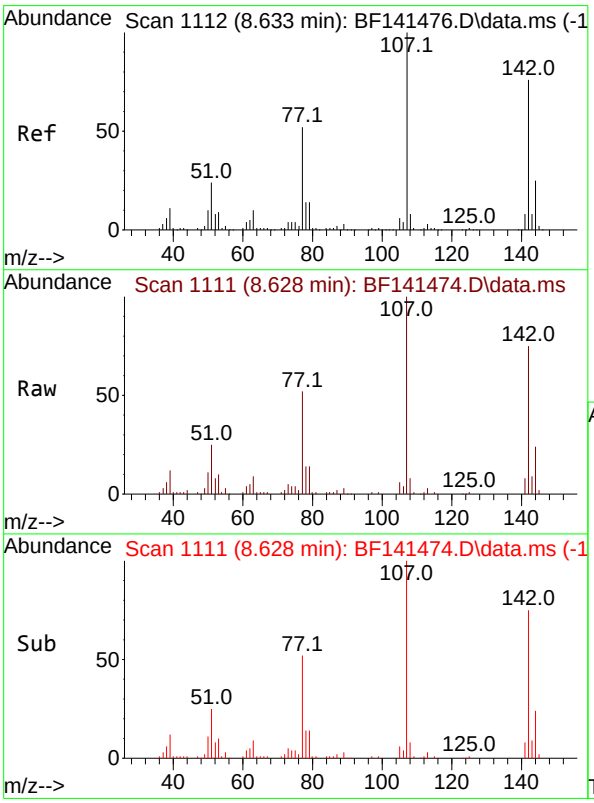

#35
Caprolactam
Concen: 9.495 ng
RT: 8.481 min Scan# 1
Delta R.T. -0.065 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:113 Resp: 15331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 203.4 | 180.8 | 220.8 |
| 56 | 155.4 | 133.6 | 173.6 |

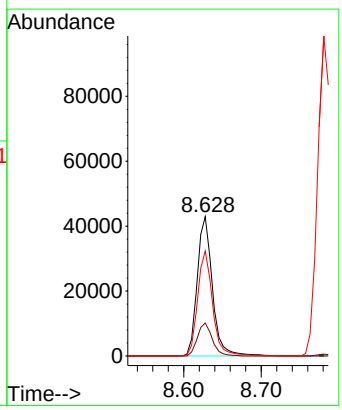


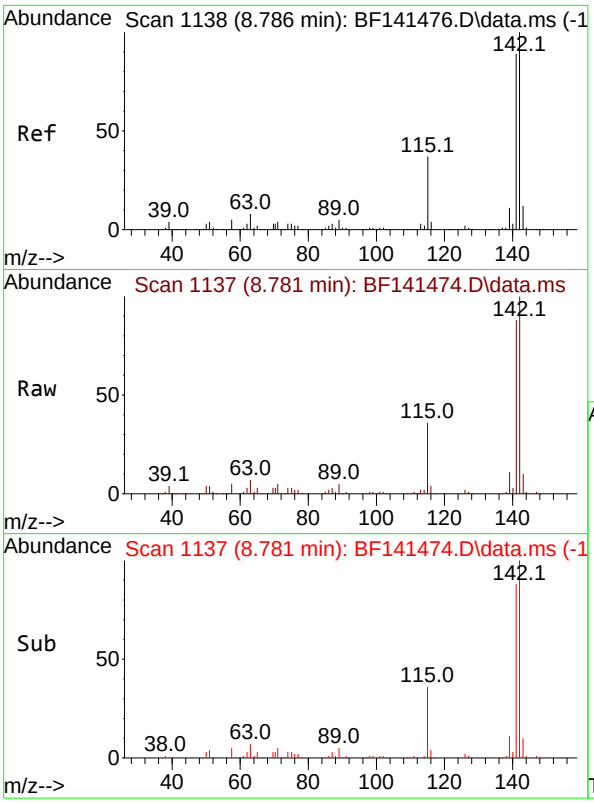




#36
4-Chloro-3-methylphenol
Concen: 9.949 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:107 Resp: 58441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 23.7 | 19.7 | 29.5 |
| 142 | 75.3 | 60.8 | 91.2 |



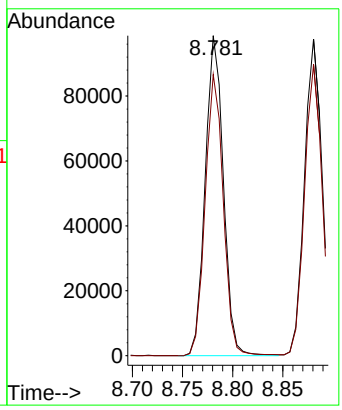


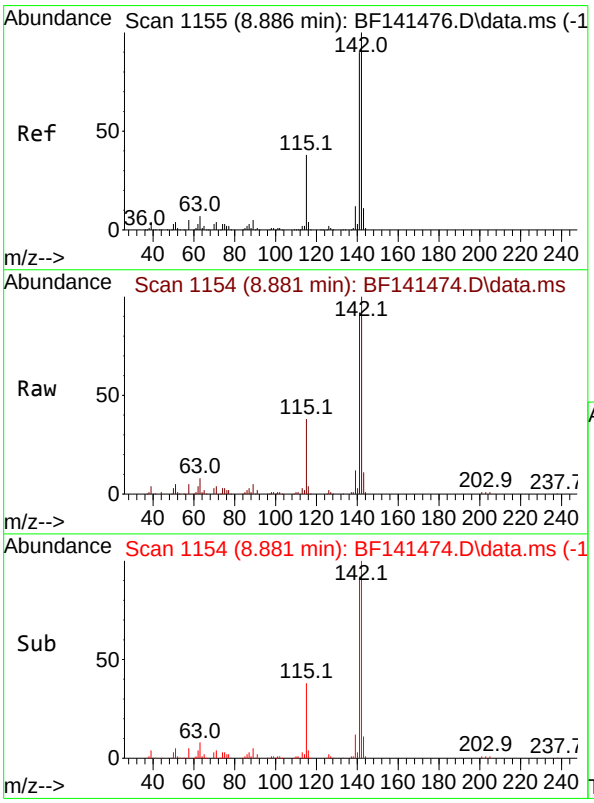

#37
2-Methylnaphthalene
Concen: 10.177 ng
RT: 8.781 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:142 Resp: 124517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.9 | 71.2 | 106.8 |

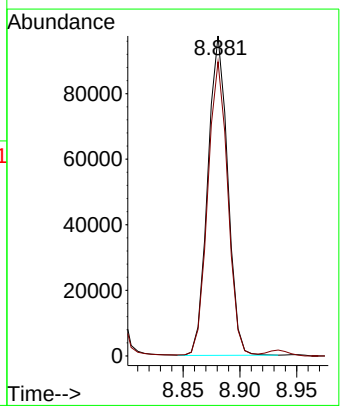


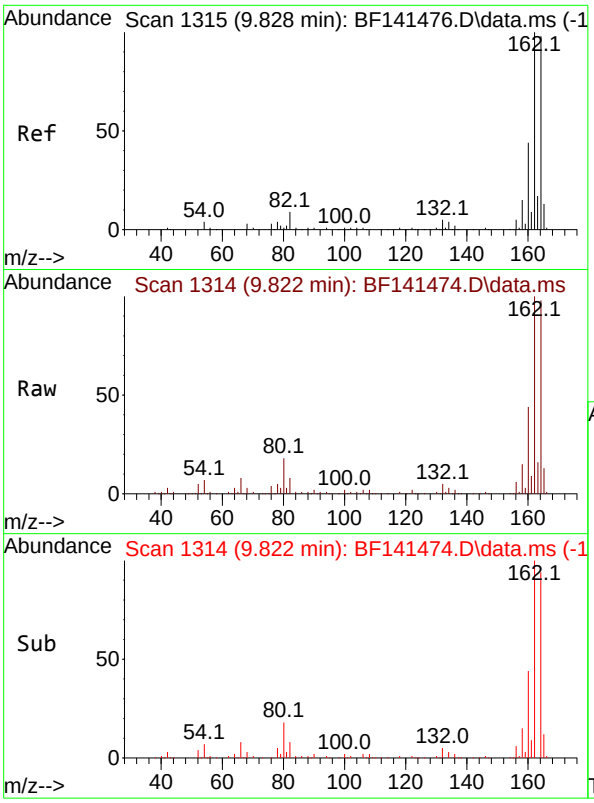




#38
1-Methylnaphthalene
Concen: 10.019 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:142 Resp: 118722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.0 | 72.1 | 108.1 |



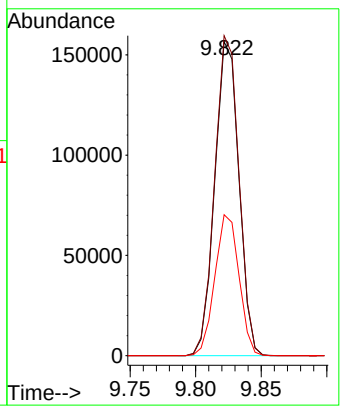


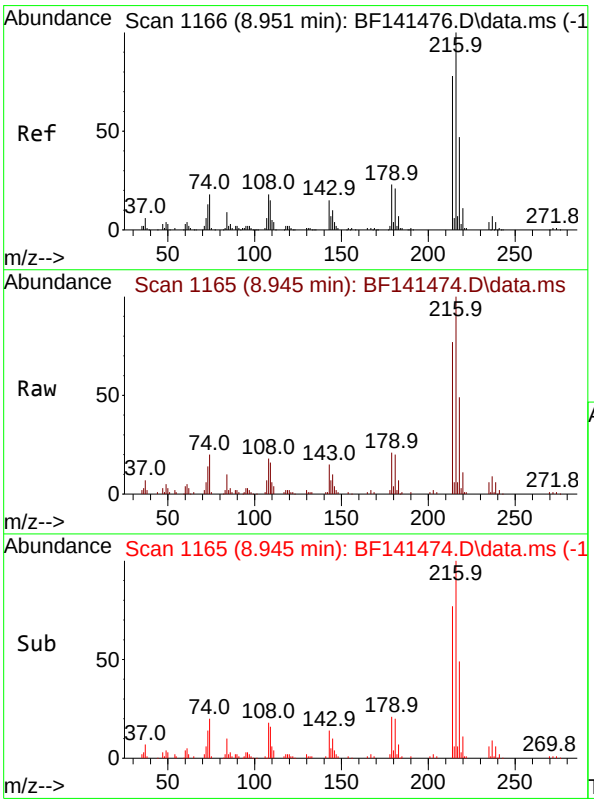

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:164 Resp: 200046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.9 | 81.3 | 121.9 |
| 160 | 44.9 | 35.9 | 53.9 |

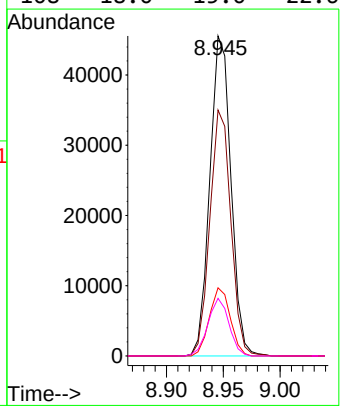


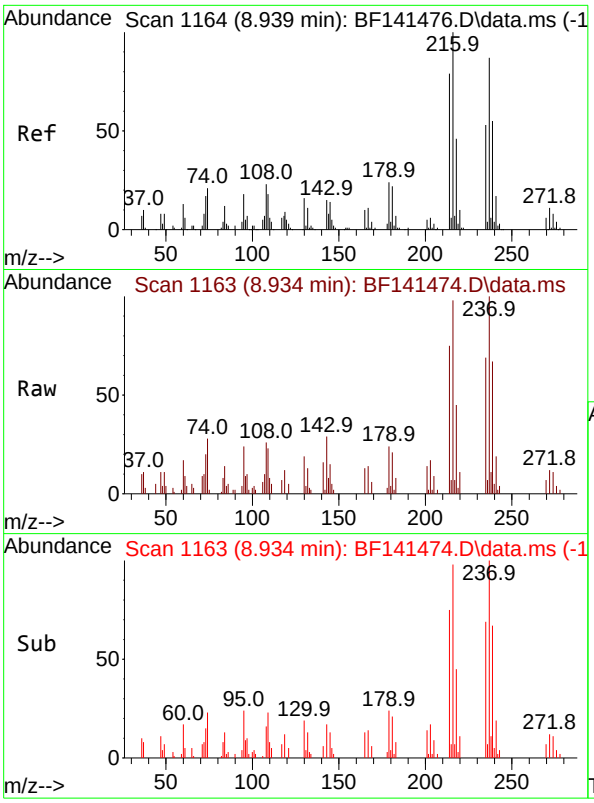




#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.160 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:216 Resp: 58800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 76.5 | 62.3 | 93.5 |
| 179 | 21.1 | 18.0 | 27.0 |
| 108 | 18.0 | 15.0 | 22.6 |



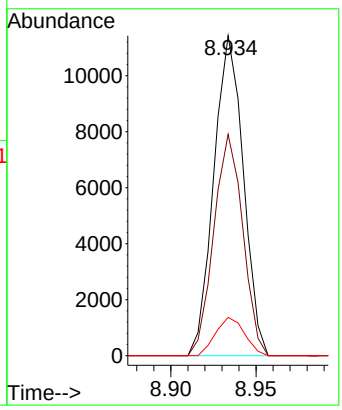


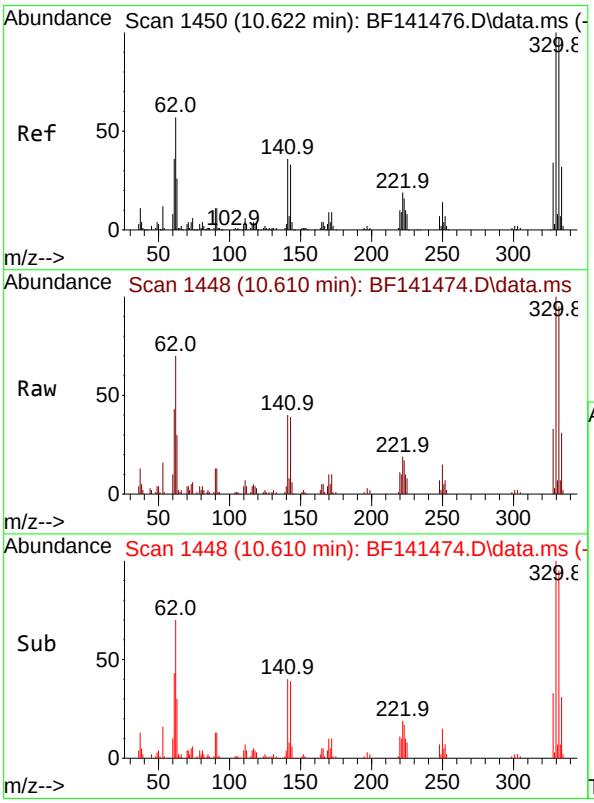

#41
Hexachlorocyclopentadiene
Concen: 7.161 ng
RT: 8.934 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:237 Resp: 13785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 69.2 | 41.4 | 81.4 |
| 272 | 11.9 | 0.0 | 32.4 |

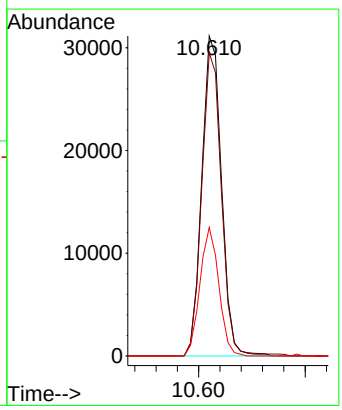


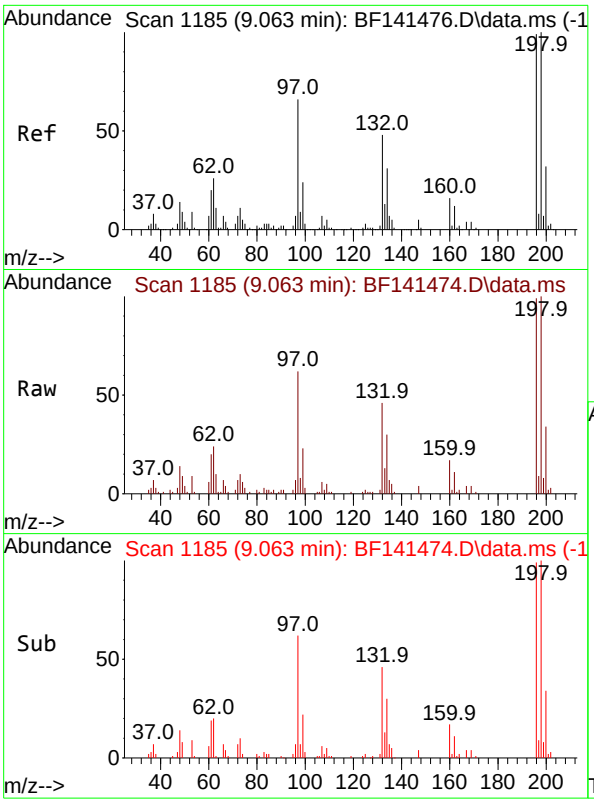




#42
2,4,6-Tribromophenol
Concen: 19.941 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:330 Resp: 40073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.1 | 78.5 | 117.7 |
| 141 | 38.6 | 31.0 | 46.4 |



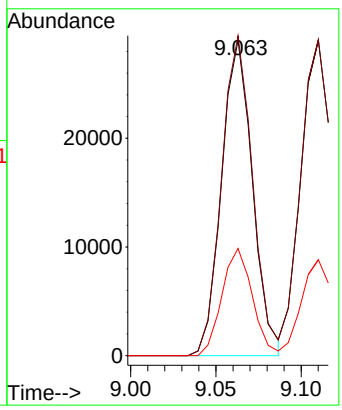


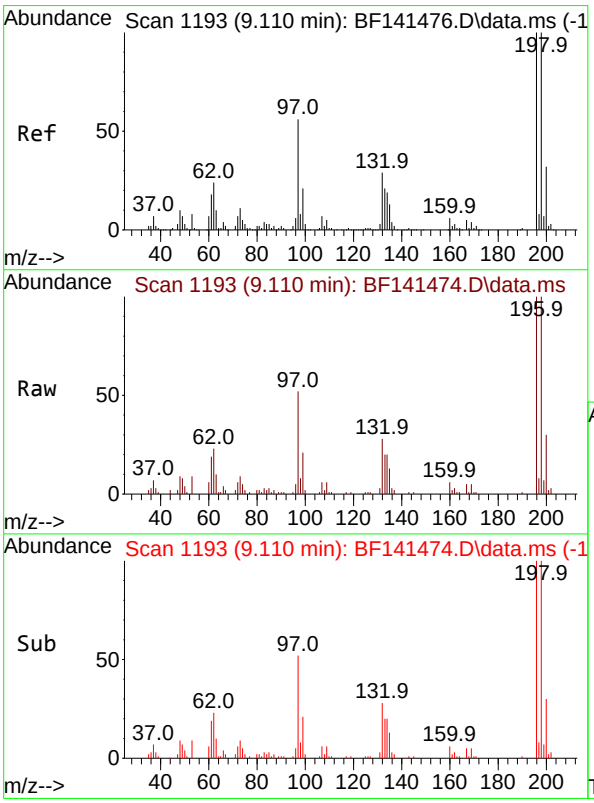

#43
2,4,6-Trichlorophenol
Concen: 9.773 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:196 Resp: 36558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.5 | 80.6 | 121.0 |
| 200 | 34.0 | 25.5 | 38.3 |

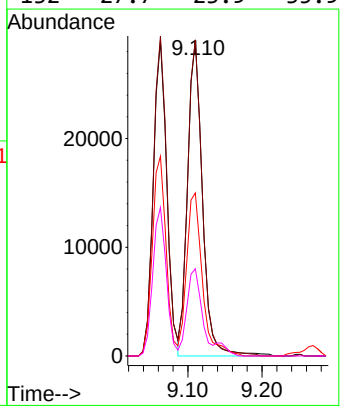


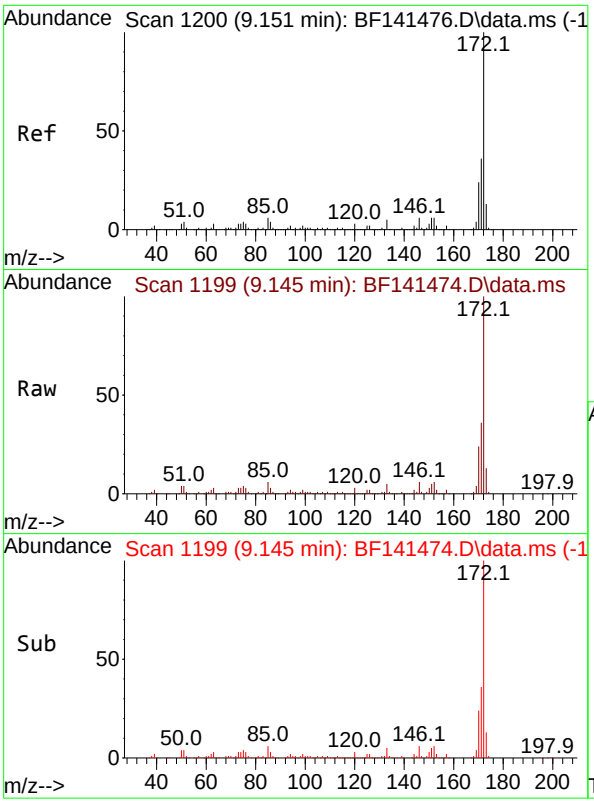




#44
2,4,5-Trichlorophenol
Concen: 10.039 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:196 Resp: 40697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.3 | 79.8 | 119.8 |
| 97 | 51.7 | 44.8 | 67.2 |
| 132 | 27.7 | 23.9 | 35.9 |



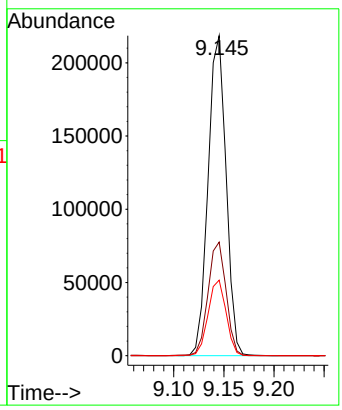


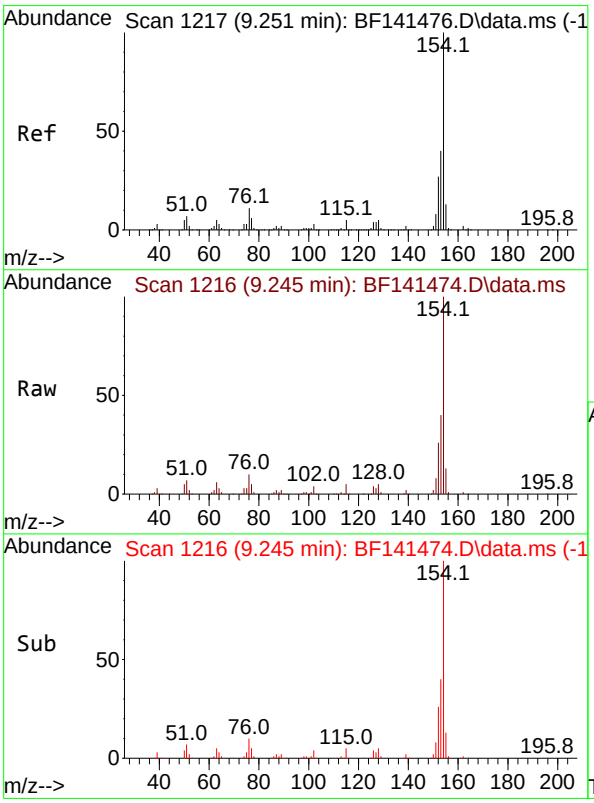

#45
2-Fluorobiphenyl
Concen: 20.947 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:172 Resp: 271988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 28.7 | 43.1 |
| 170 | 23.6 | 18.9 | 28.3 |

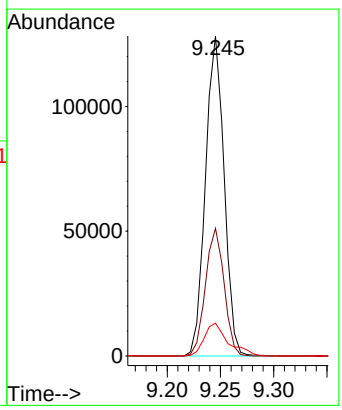


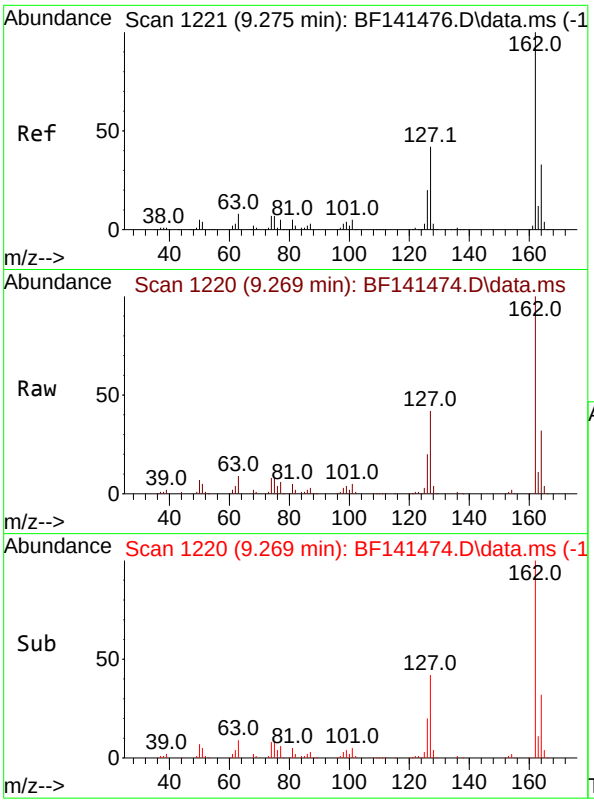




#46
1,1'-Biphenyl
Concen: 10.086 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:154 Resp: 156431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.9 | 20.4 | 60.4 |
| 76 | 10.3 | 0.0 | 30.8 |



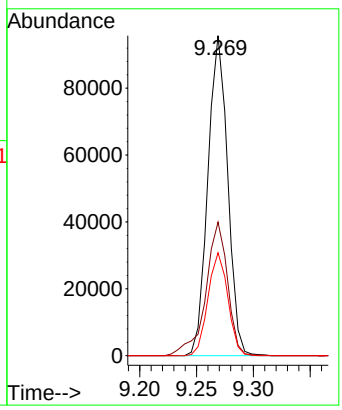


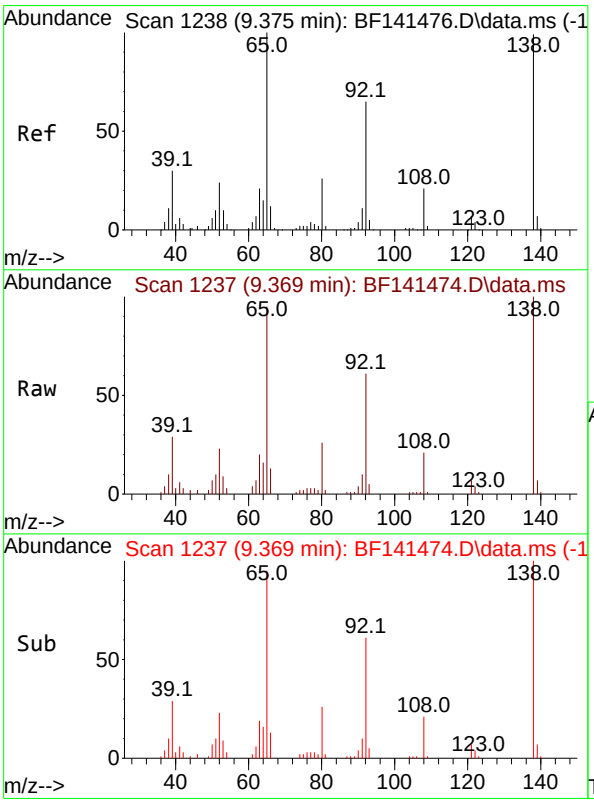

#47
2-Chloronaphthalene
Concen: 10.125 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:162 Resp: 116119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.8 | 34.1 | 51.1 |
| 164 | 32.1 | 26.3 | 39.5 |

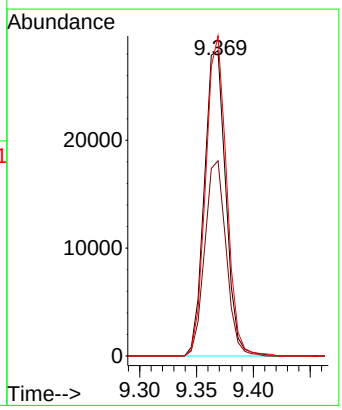


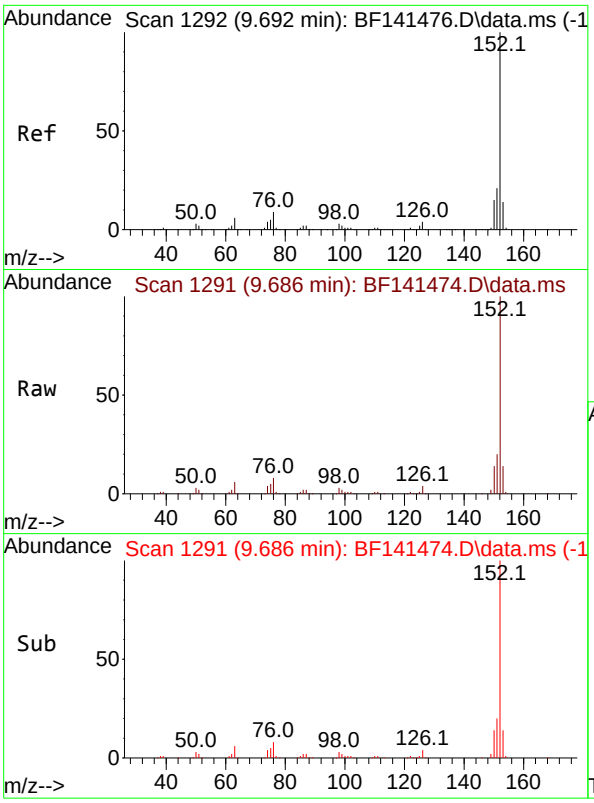




#48
2-Nitroaniline
Concen: 9.653 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 65 Resp: 37155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 63.9 | 52.2 | 78.2 |
| 138 | 104.8 | 79.5 | 119.3 |



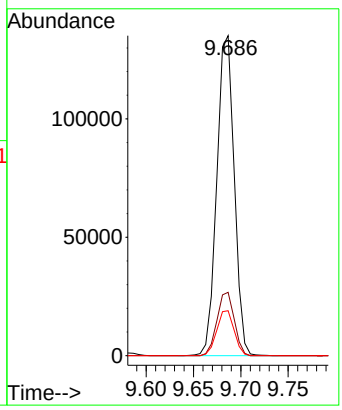


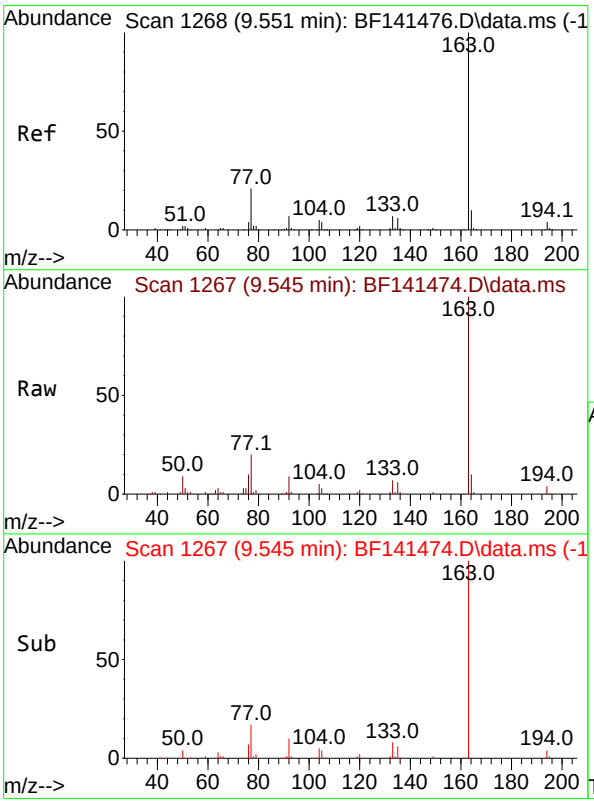

#49
Acenaphthylene
Concen: 10.179 ng
RT: 9.686 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:152 Resp: 173644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 16.4 | 24.6 |
| 153 | 14.1 | 10.9 | 16.3 |

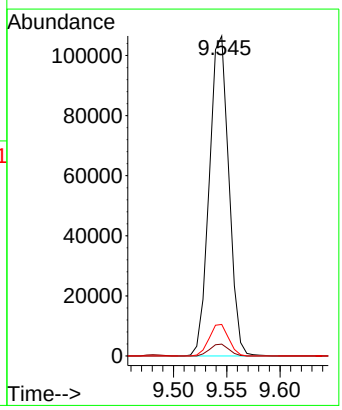


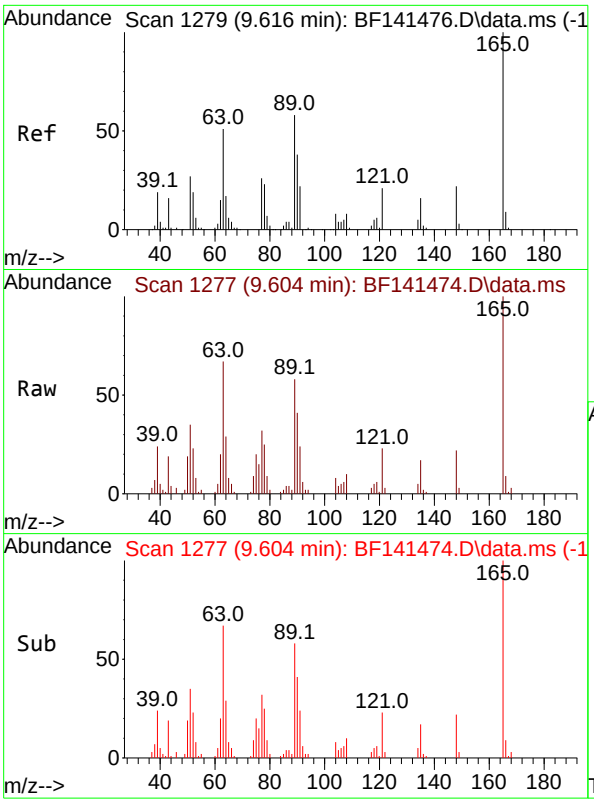




#50
Dimethylphthalate
Concen: 10.006 ng
RT: 9.545 min Scan# 1267
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:163 Resp: 135886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.7 | 3.0 | 4.4 |
| 164 | 9.8 | 7.9 | 11.9 |



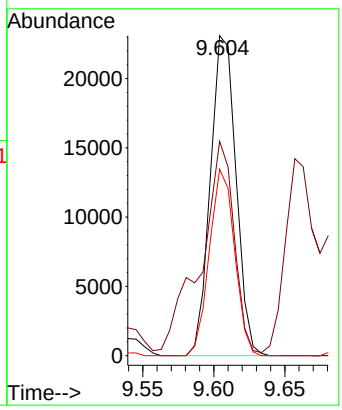


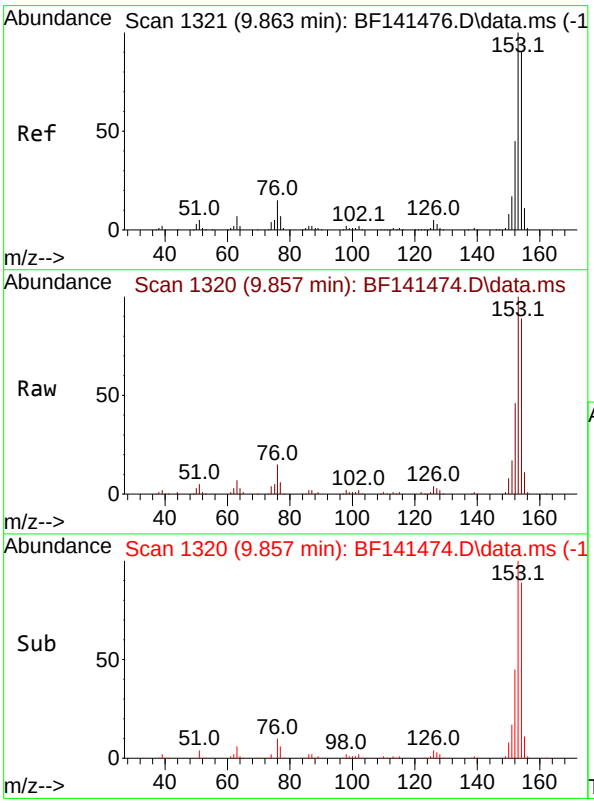

#51
2,6-Dinitrotoluene
Concen: 9.770 ng
RT: 9.604 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:165 Resp: 29006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 67.0 | 49.4 | 74.0 |
| 89 | 58.2 | 46.5 | 69.7 |

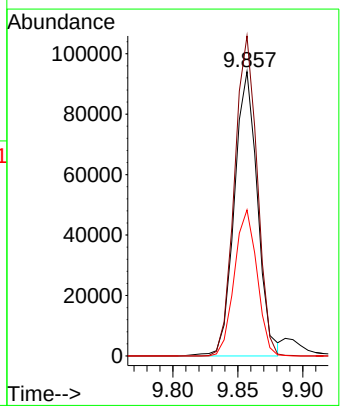


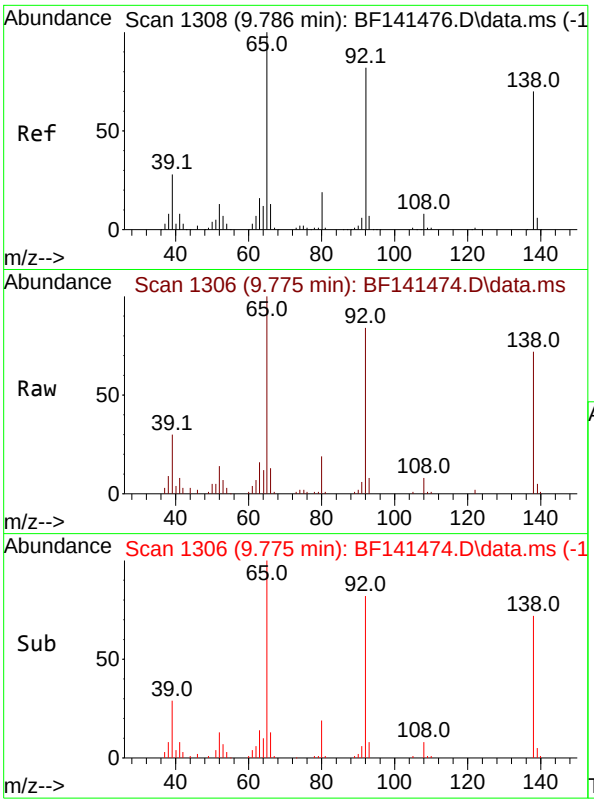




#52
Acenaphthene
Concen: 10.155 ng m
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:154 Resp: 116461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.5 | 89.2 | 133.8 |
| 152 | 51.4 | 39.8 | 59.8 |



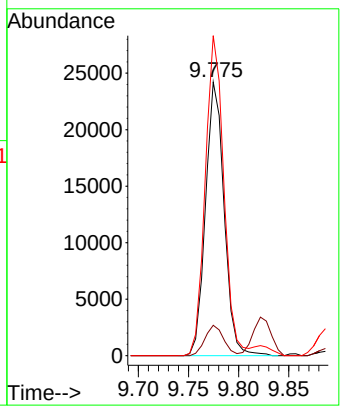


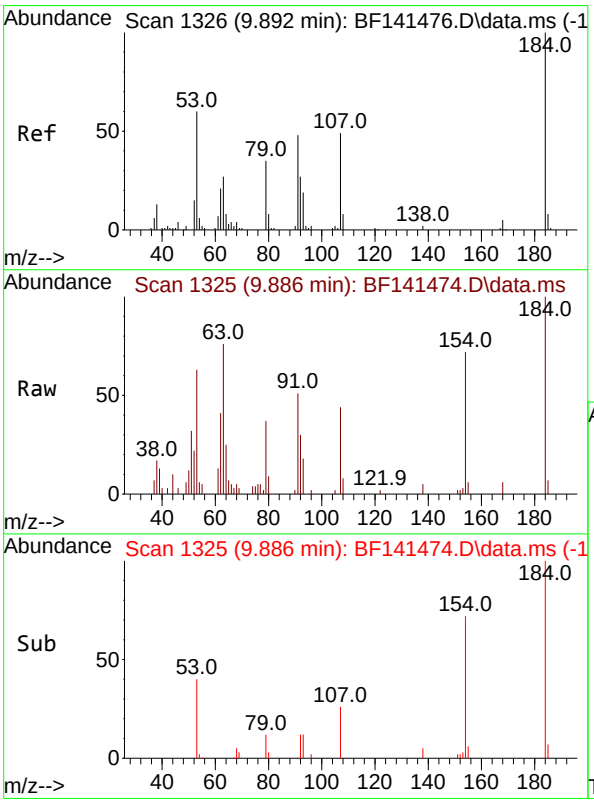

#53
3-Nitroaniline
Concen: 9.805 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:138 Resp: 31330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.1 | 9.0 | 13.4 |
| 92 | 116.9 | 93.7 | 140.5 |

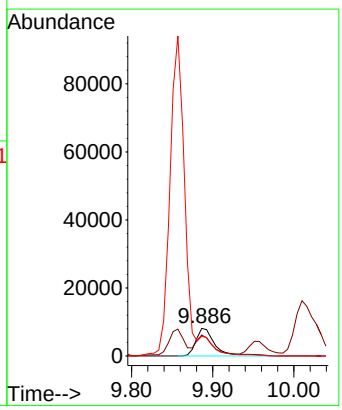


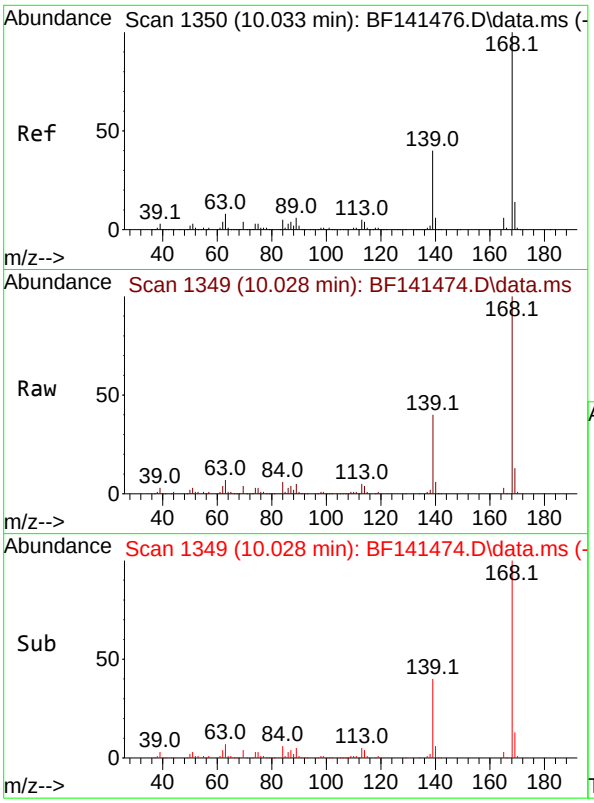




#54
2,4-Dinitrophenol
Concen: 7.561 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.018 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:184 Resp: 13341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 75.9 | 61.0 | 91.6 |
| 154 | 71.6 | 59.9 | 89.9 |



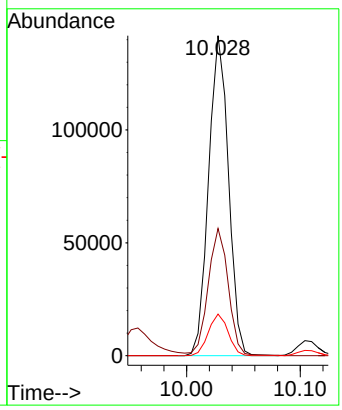


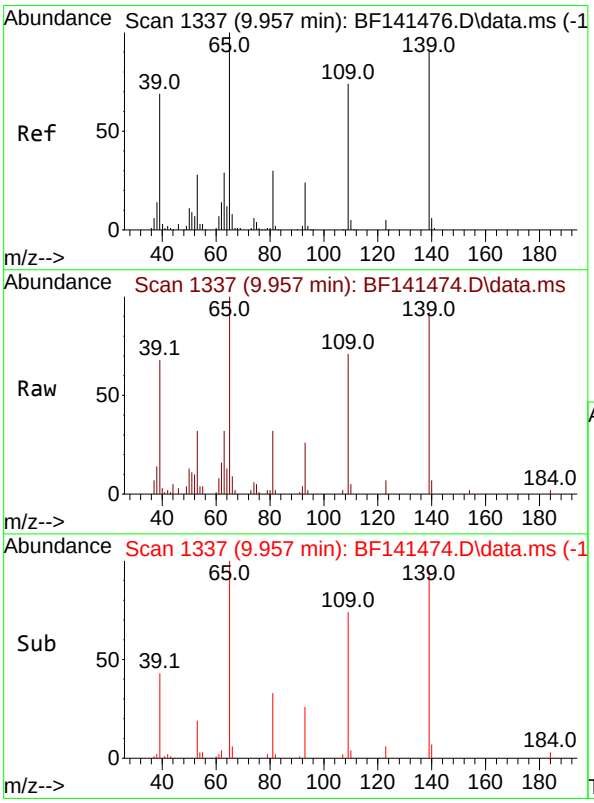

#55
Dibenzofuran
Concen: 10.230 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:168 Resp: 172206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.8 | 32.7 | 49.1 |
| 169 | 13.0 | 10.8 | 16.2 |

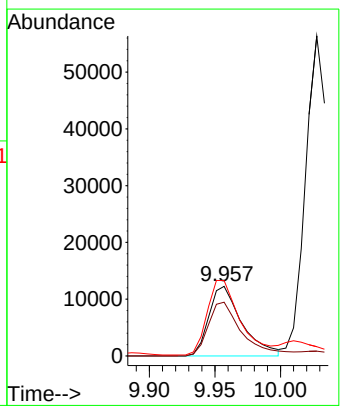


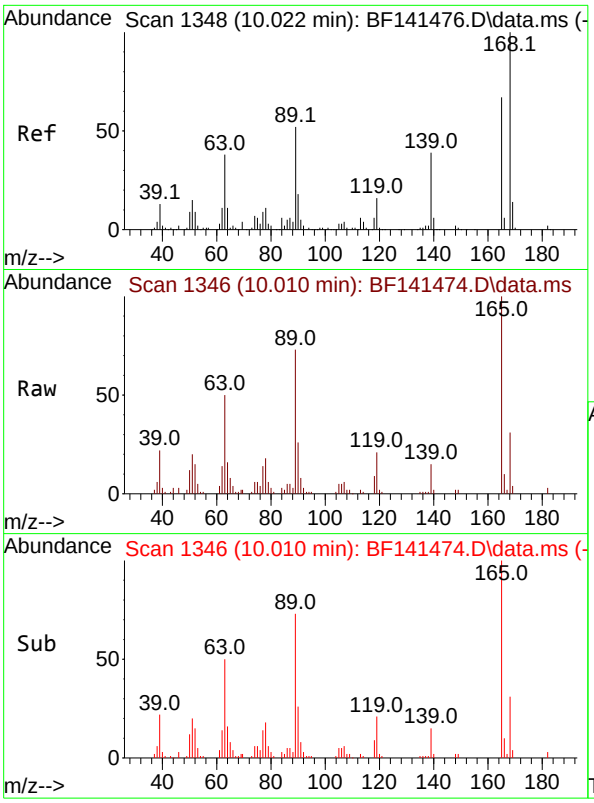




#56
4-Nitrophenol
Concen: 9.093 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:139 Resp: 21569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 77.2 | 62.0 | 102.0 |
| 65 | 108.2 | 91.2 | 131.2 |



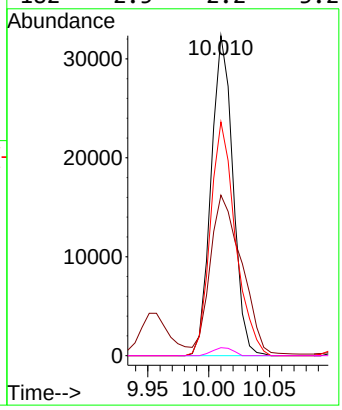


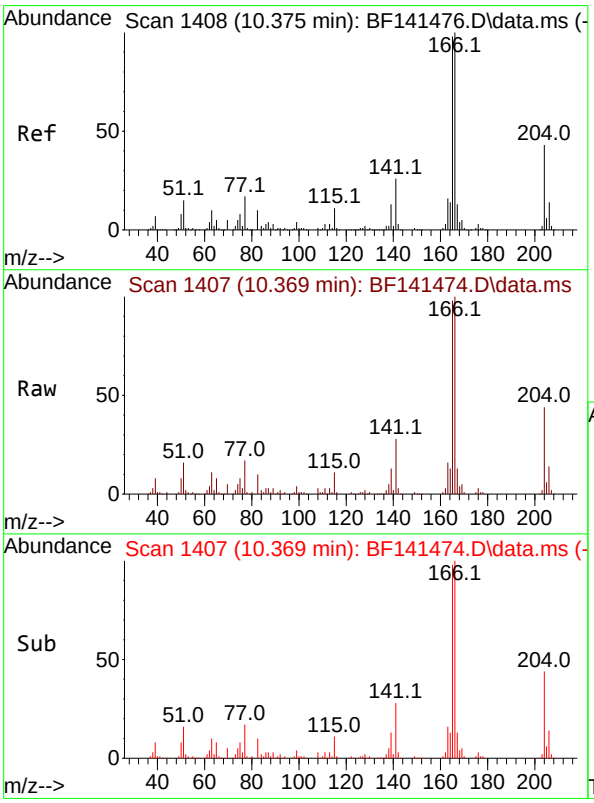

#57
2,4-Dinitrotoluene
Concen: 10.198 ng
RT: 10.010 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:165 Resp: 40306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 50.1 | 46.4 | 69.6 |
| 89 | 73.1 | 61.8 | 92.6 |
| 182 | 2.5 | 2.2 | 3.2 |

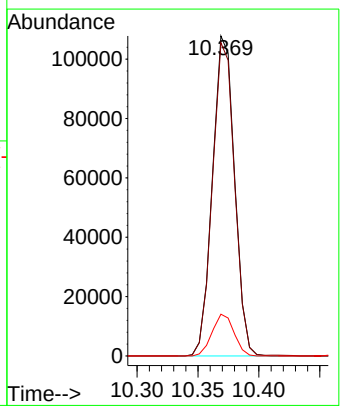


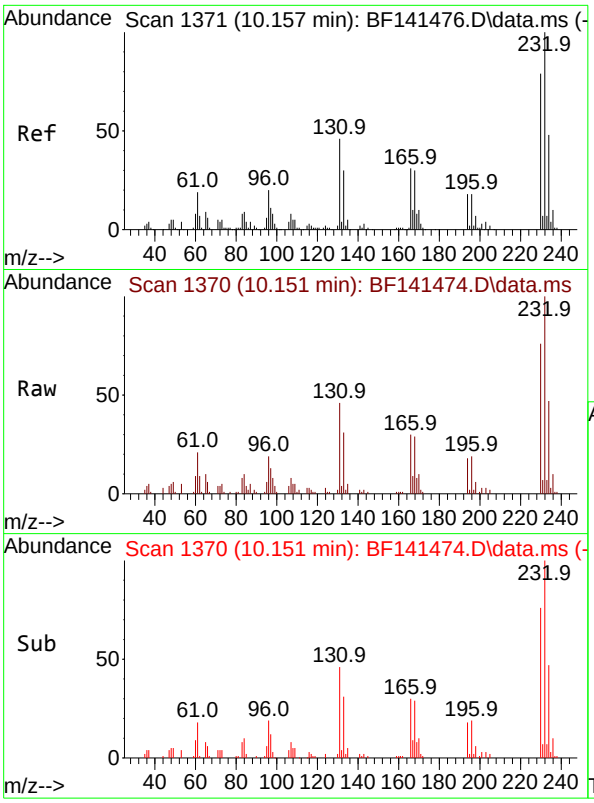




#58
Fluorene
Concen: 10.458 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:166 Resp: 136110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.9 | 78.2 | 117.2 |
| 167 | 13.0 | 10.7 | 16.1 |



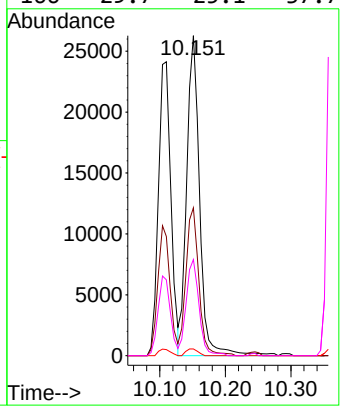


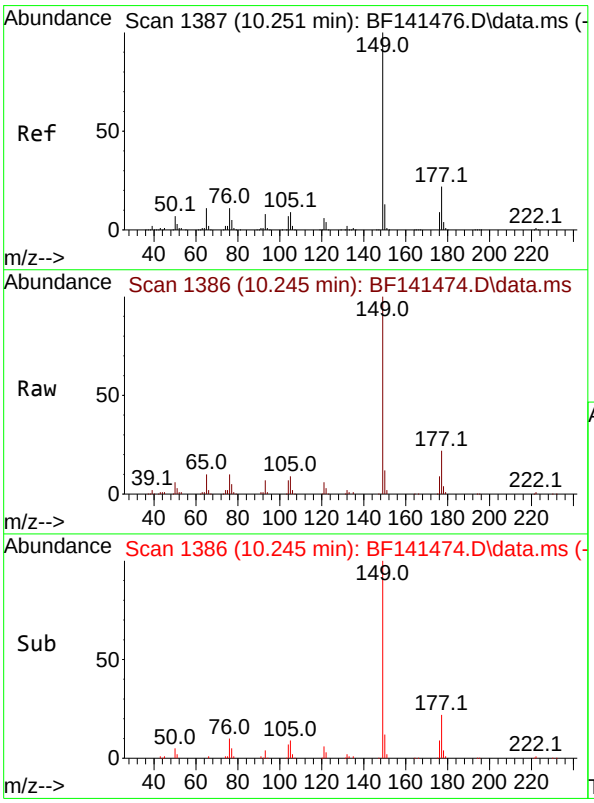

#59
2,3,4,6-Tetrachlorophenol
Concen: 10.344 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:232 Resp: 36102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.8 | 39.2 | 58.8 |
| 130 | 1.9 | 2.1 | 3.1# |
| 166 | 29.7 | 25.1 | 37.7 |

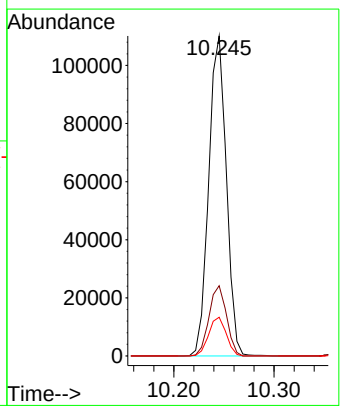


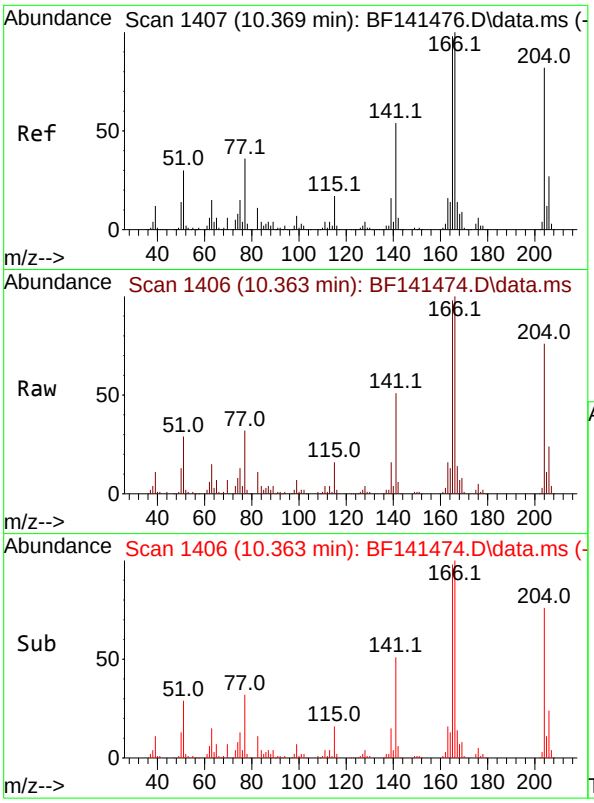




#60
Diethylphthalate
Concen: 10.073 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:149 Resp: 134593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.0 | 17.8 | 26.6 |
| 150 | 12.1 | 10.1 | 15.1 |



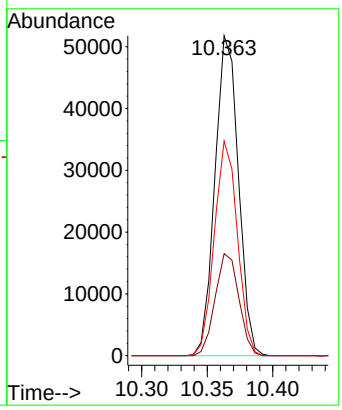


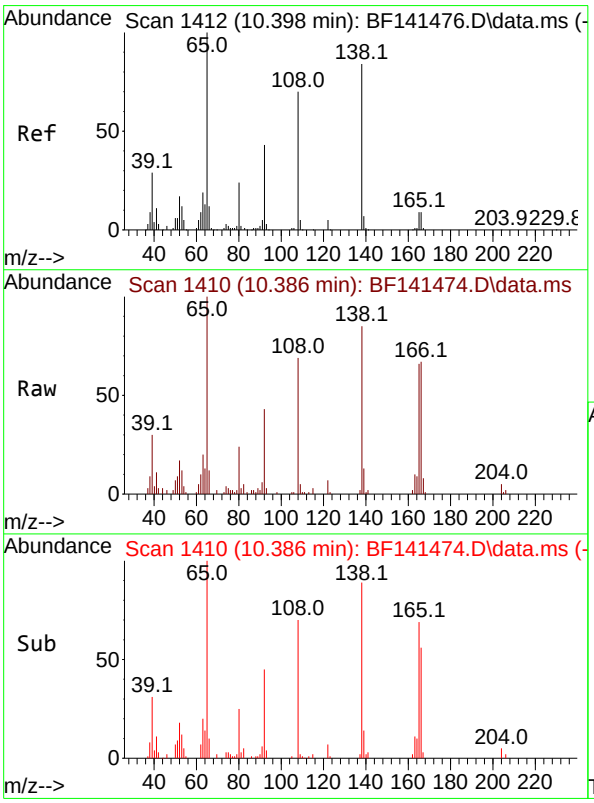

#61
4-Chlorophenyl-phenylether
Concen: 10.270 ng
RT: 10.363 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:204 Resp: 64305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 31.9 | 26.6 | 40.0 |
| 141 | 67.1 | 51.9 | 77.9 |

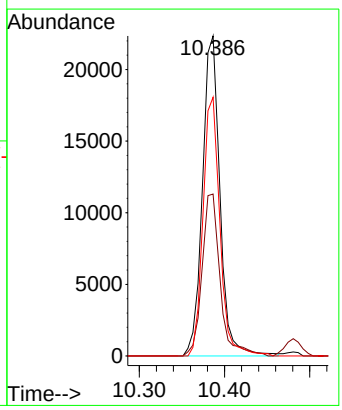


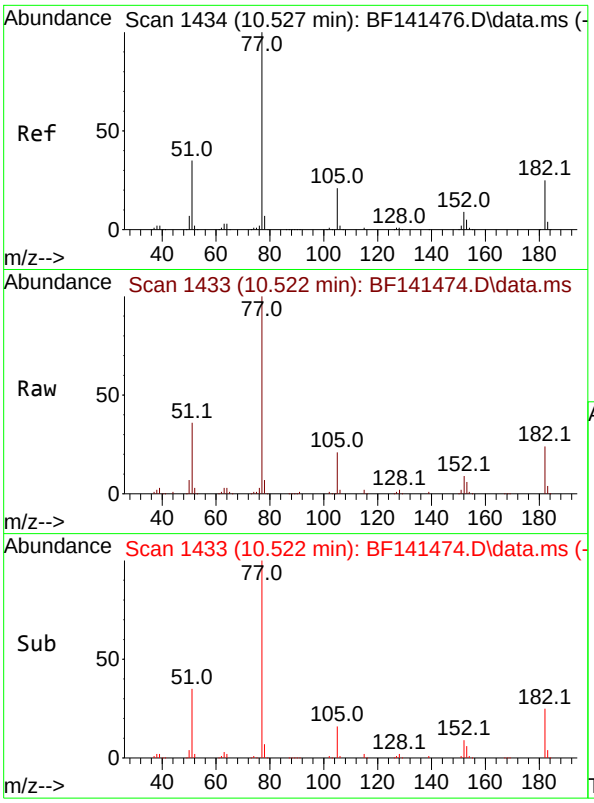




#62
4-Nitroaniline
Concen: 9.842 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:138 Resp: 31934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.6 | 31.3 | 71.3 |
| 108 | 80.8 | 63.7 | 103.7 |



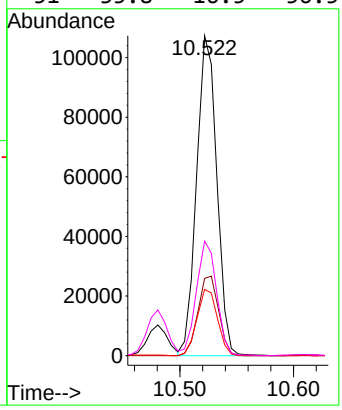


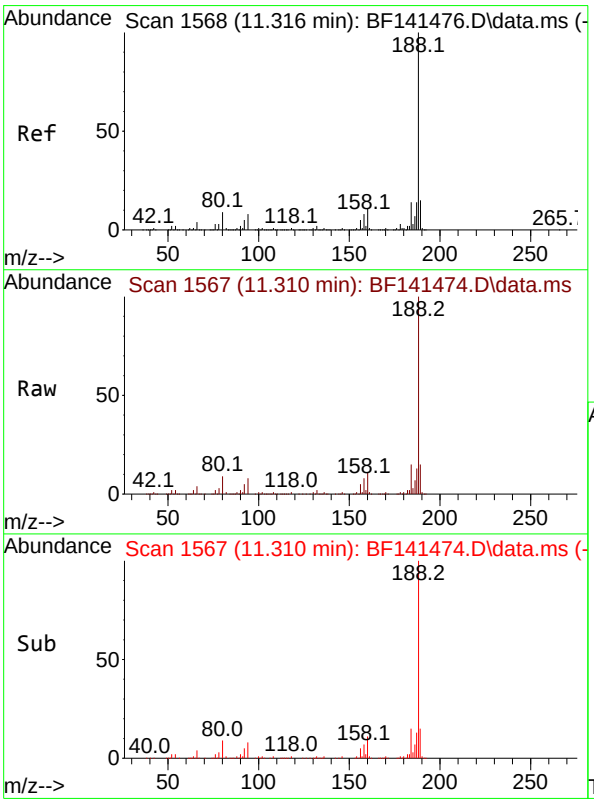

#63
Azobenzene
Concen: 10.010 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion: 77 Resp: 132968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 24.1 | 4.7 | 44.7 |
| 105 | 20.7 | 0.4 | 40.4 |
| 51 | 35.8 | 16.5 | 56.5 |

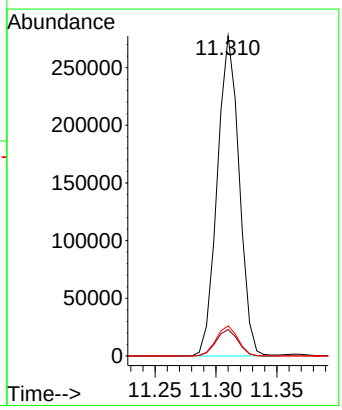


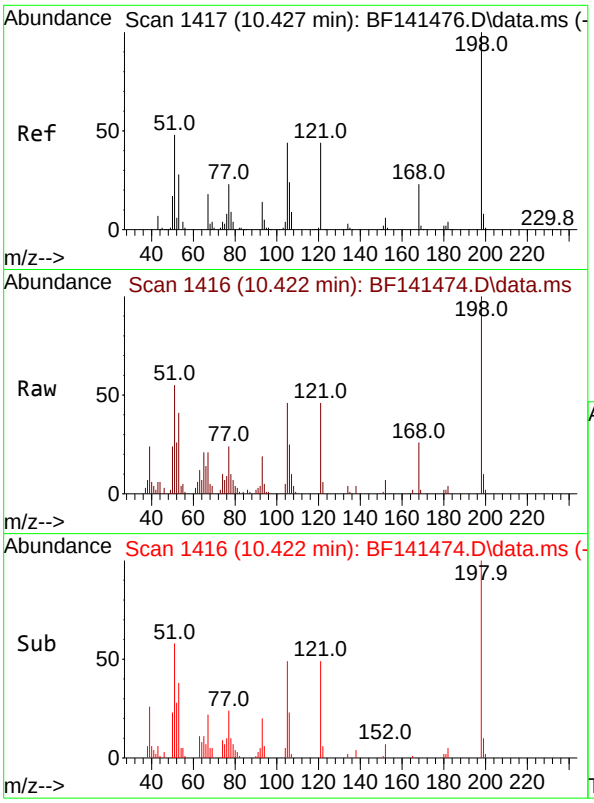




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:188 Resp: 347312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.3 | 6.6 | 10.0 |
| 80 | 9.4 | 7.3 | 10.9 |



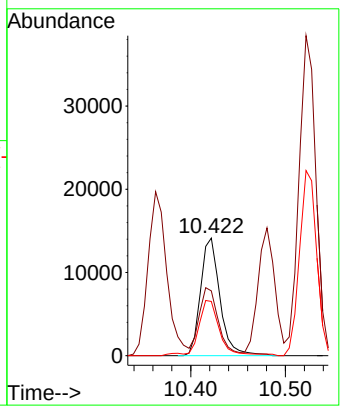


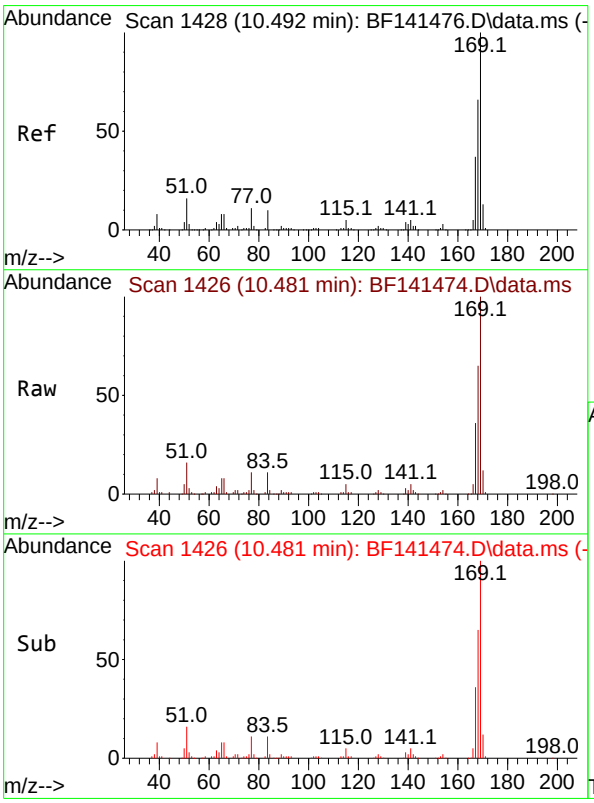

#65
4,6-Dinitro-2-methylphenol
Concen: 8.320 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:198 Resp: 20074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 55.2 | 37.4 | 77.4 |
| 105 | 46.2 | 25.2 | 65.2 |

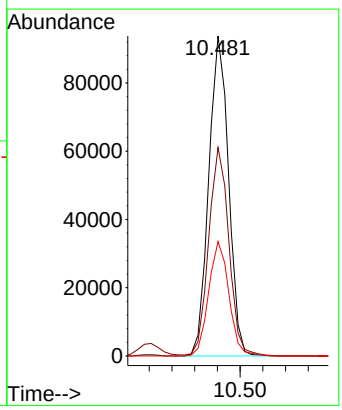


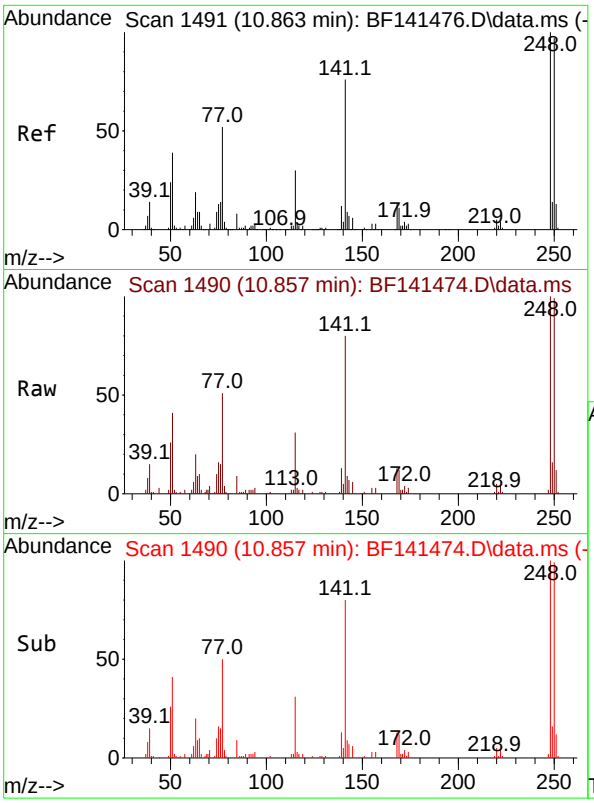




#66
n-Nitrosodiphenylamine
Concen: 10.201 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:169 Resp: 113408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.1 | 53.3 | 79.9 |
| 167 | 35.7 | 29.4 | 44.2 |



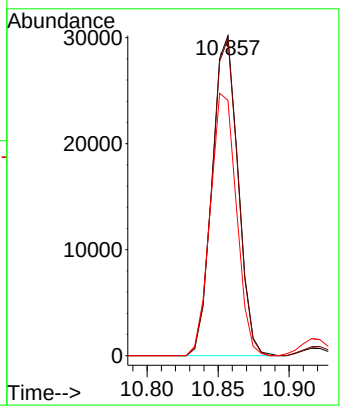


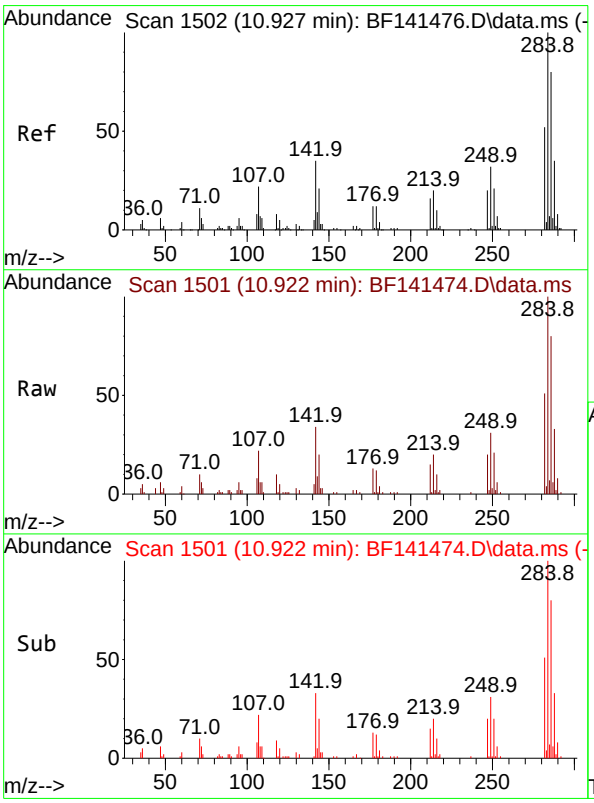

#67
4-Bromophenyl-phenylether
Concen: 9.856 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:248 Resp: 38257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.1 | 77.8 | 116.6 |
| 141 | 79.8 | 60.6 | 90.8 |

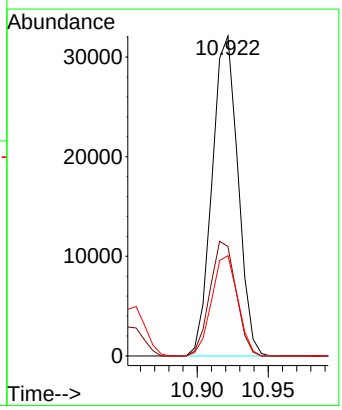


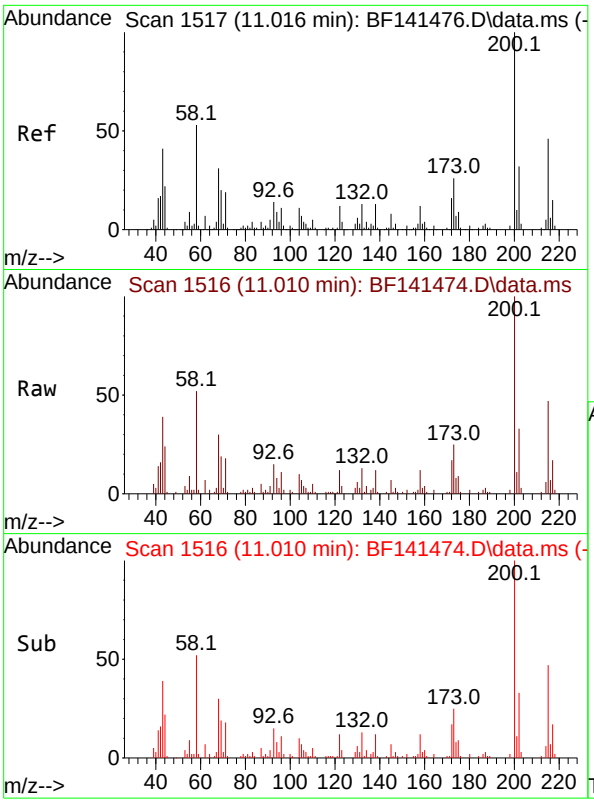




#68
Hexachlorobenzene
Concen: 10.186 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:284 Resp: 40715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.2 | 28.0 | 42.0 |
| 249 | 31.3 | 25.8 | 38.8 |



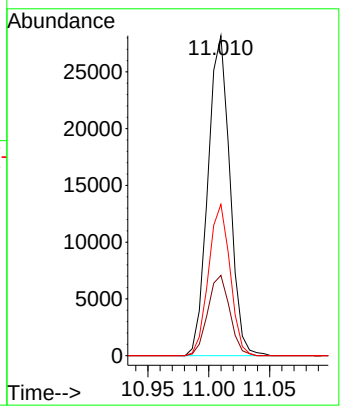


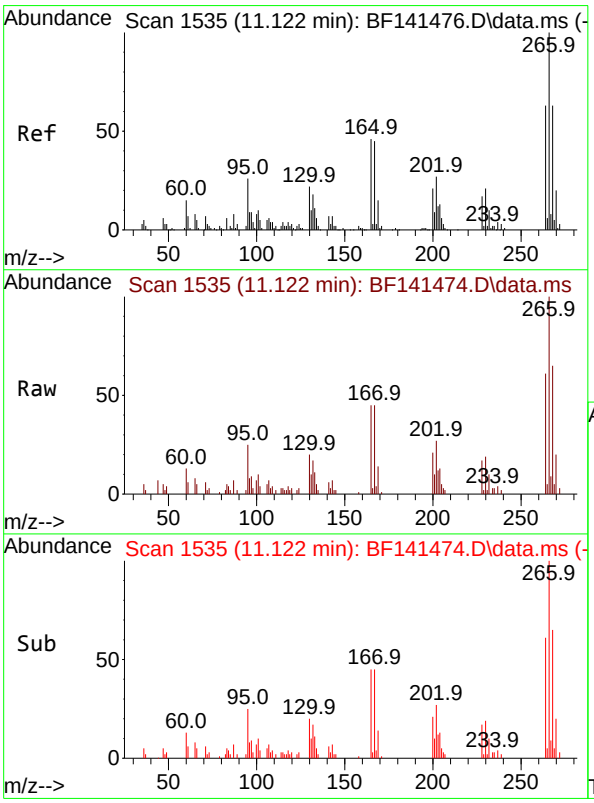

#69
Atrazine
Concen: 10.580 ng
RT: 11.010 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:200 Resp: 35287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.1 | 5.9 | 45.9 |
| 215 | 47.3 | 25.9 | 65.9 |

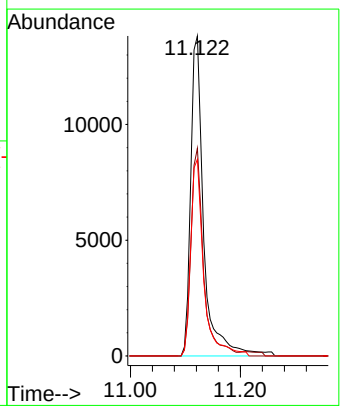


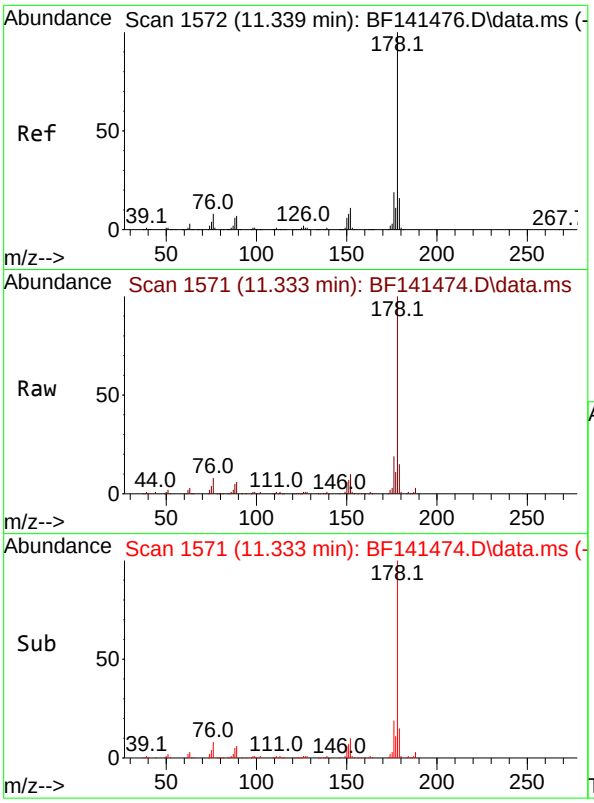




#70
Pentachlorophenol
Concen: 8.895 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:266 Resp: 22735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.9 | 50.1 | 75.1 |
| 264 | 61.5 | 50.1 | 75.1 |



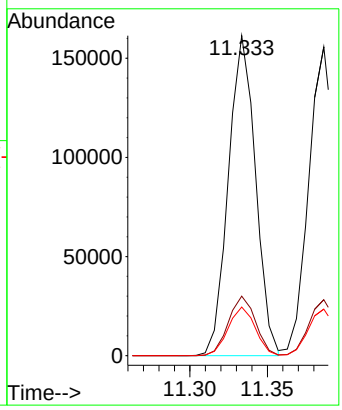


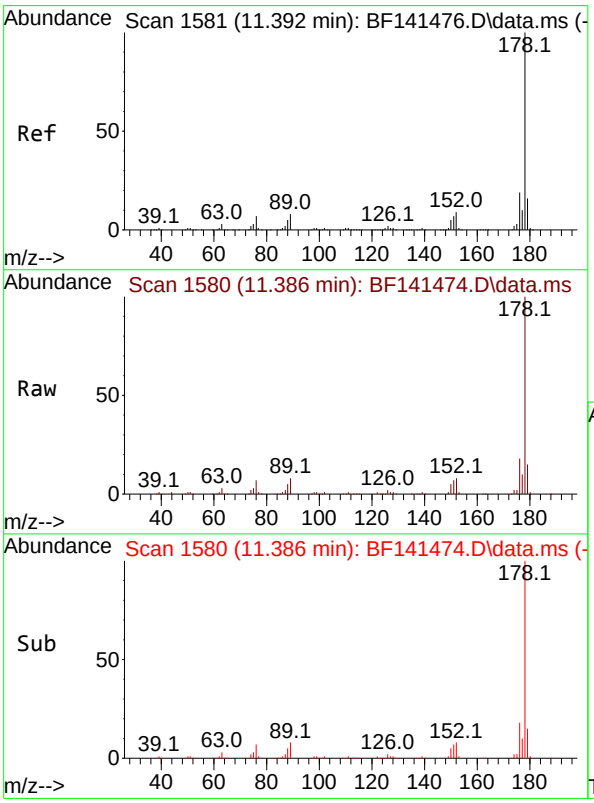

#71
Phenanthrene
Concen: 10.283 ng
RT: 11.333 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:178 Resp: 196586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.4 | 23.0 |
| 179 | 15.2 | 12.4 | 18.6 |

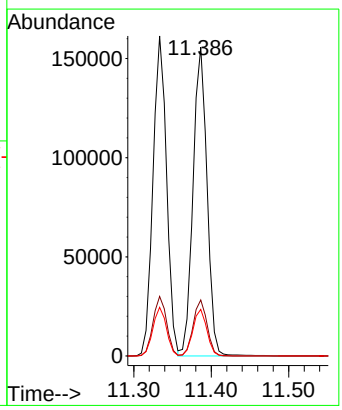


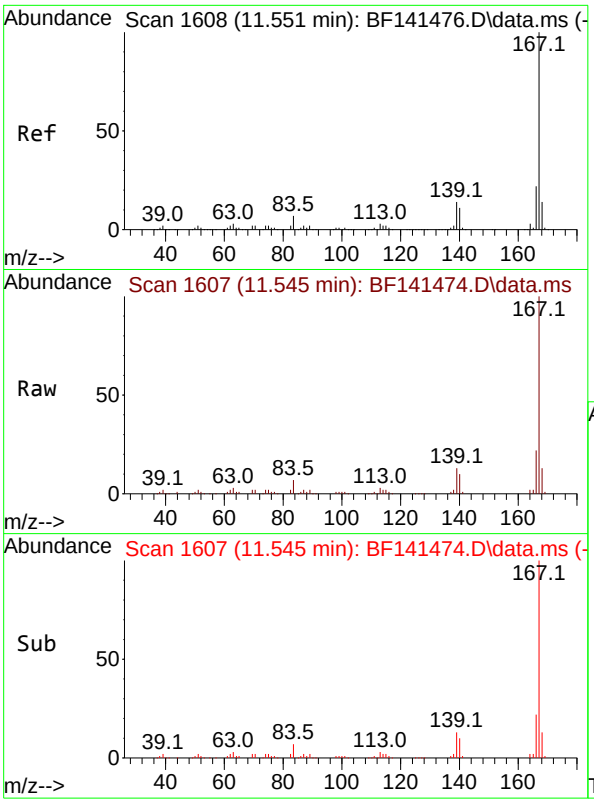




#72
Anthracene
Concen: 10.174 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:178 Resp: 195528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.1 | 14.8 | 22.2 |
| 179 | 15.1 | 12.4 | 18.6 |



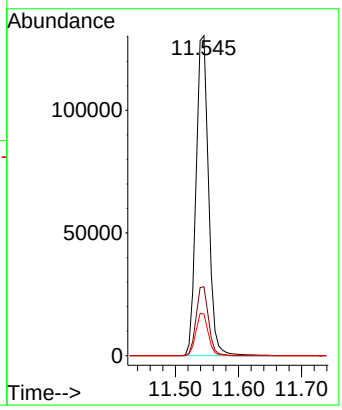


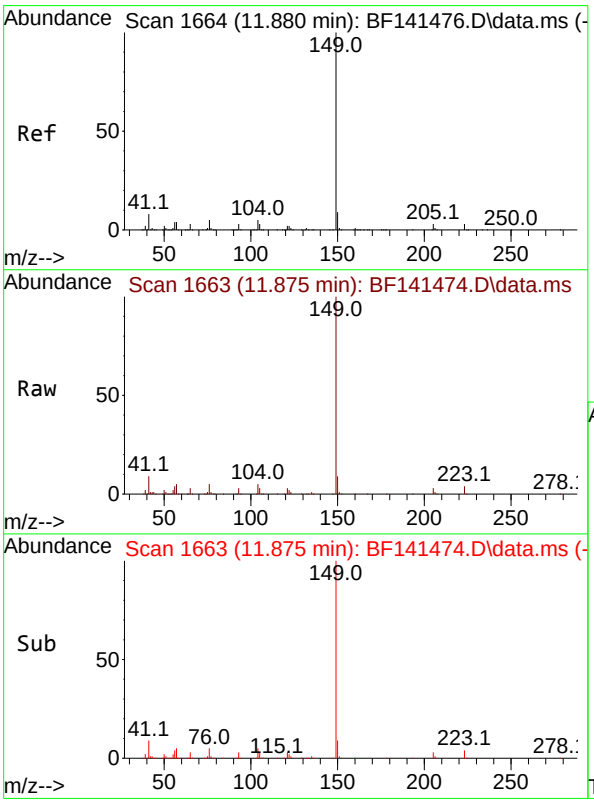

#73
Carbazole
Concen: 10.306 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:167 Resp: 178223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.4 | 26.2 |
| 139 | 13.0 | 10.9 | 16.3 |

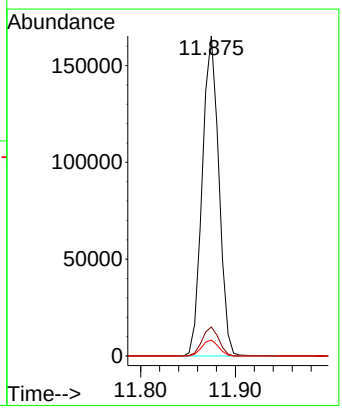


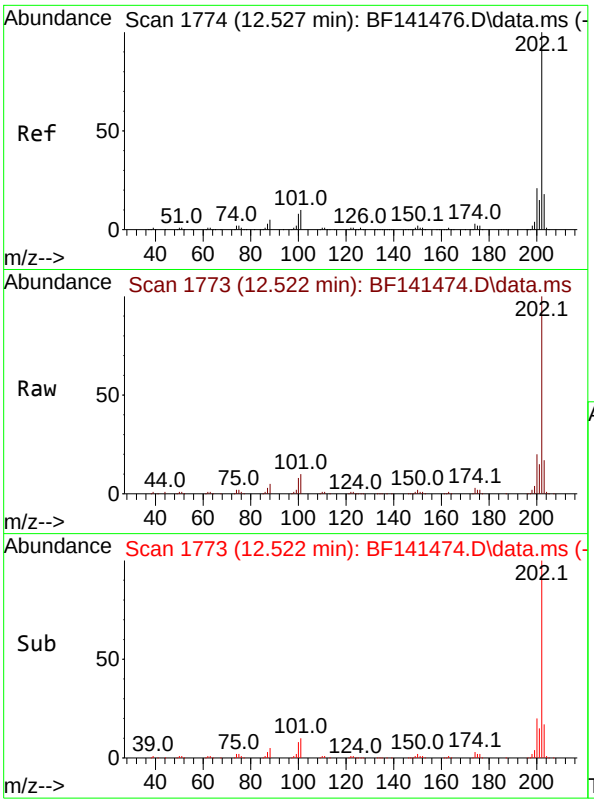




#74
Di-n-butylphthalate
Concen: 10.057 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:149 Resp: 200806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.4 | 11.0 |
| 104 | 5.0 | 4.2 | 6.2 |



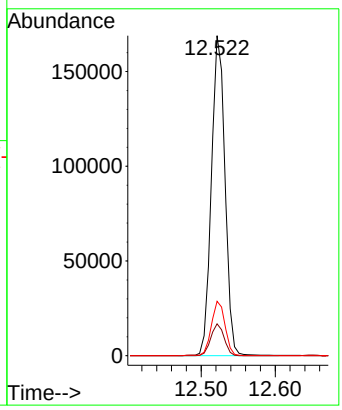


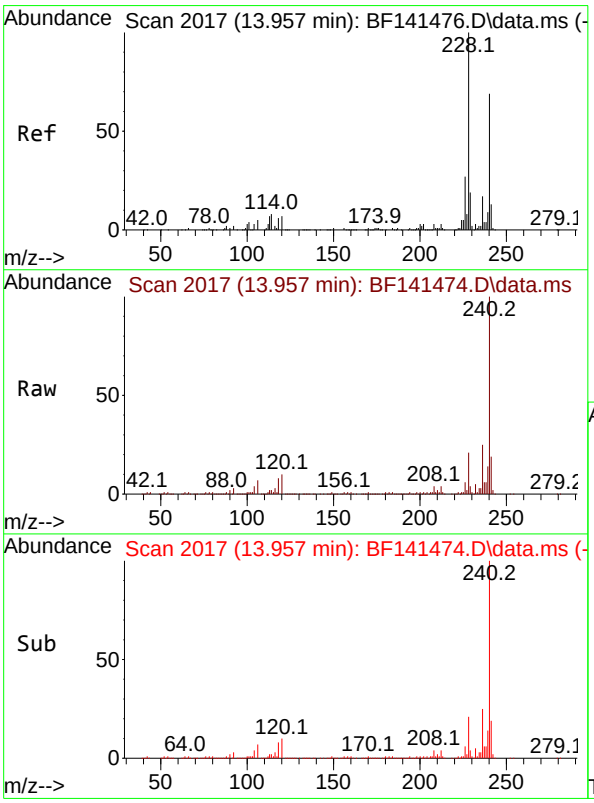

#75
Fluoranthene
Concen: 10.618 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:202 Resp: 215218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.9 | 0.0 | 30.2 |
| 203 | 17.0 | 0.0 | 37.6 |

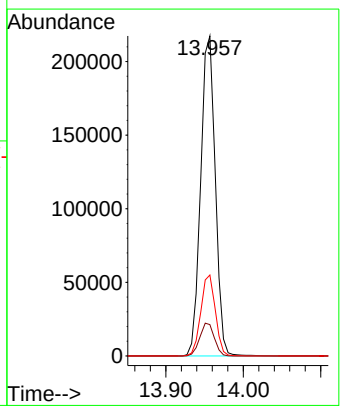


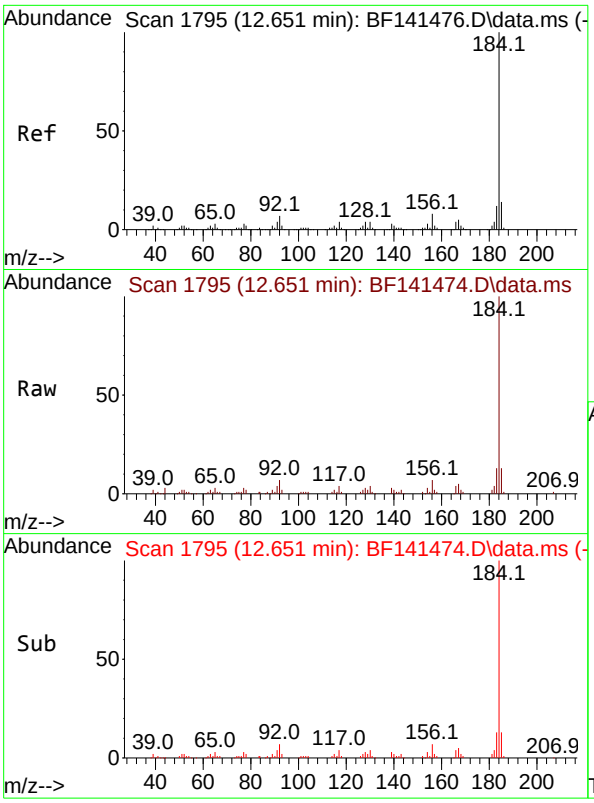




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:240 Resp: 284792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.8 | 8.0 | 12.0 |
| 236 | 25.3 | 19.8 | 29.8 |



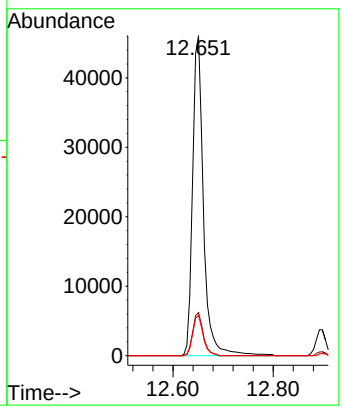


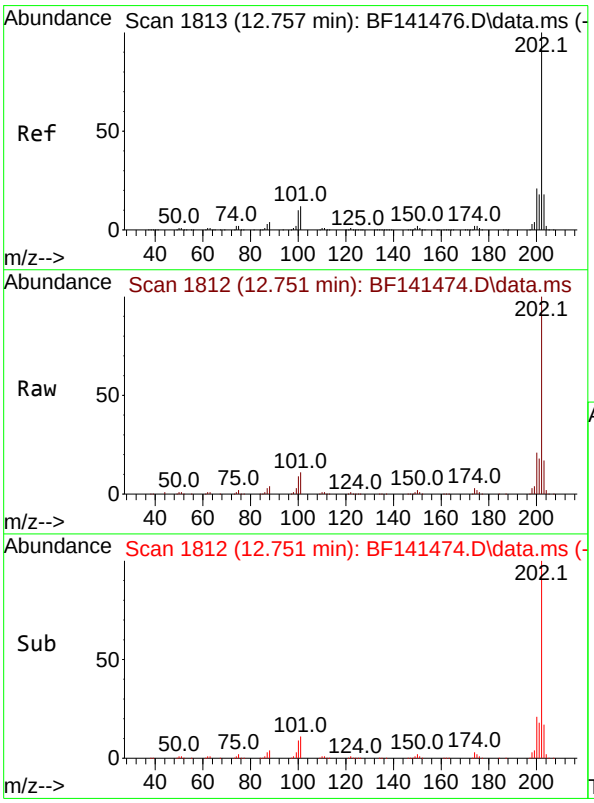

#77
Benzidine
Concen: 11.050 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:184 Resp: 69402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.5 | 11.3 | 16.9 |
| 183 | 12.6 | 9.3 | 13.9 |

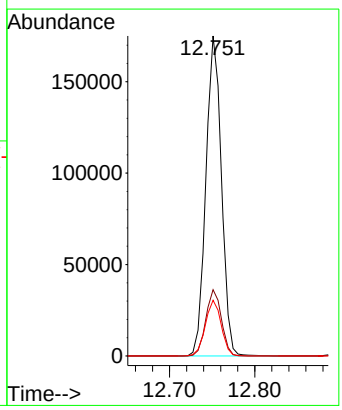


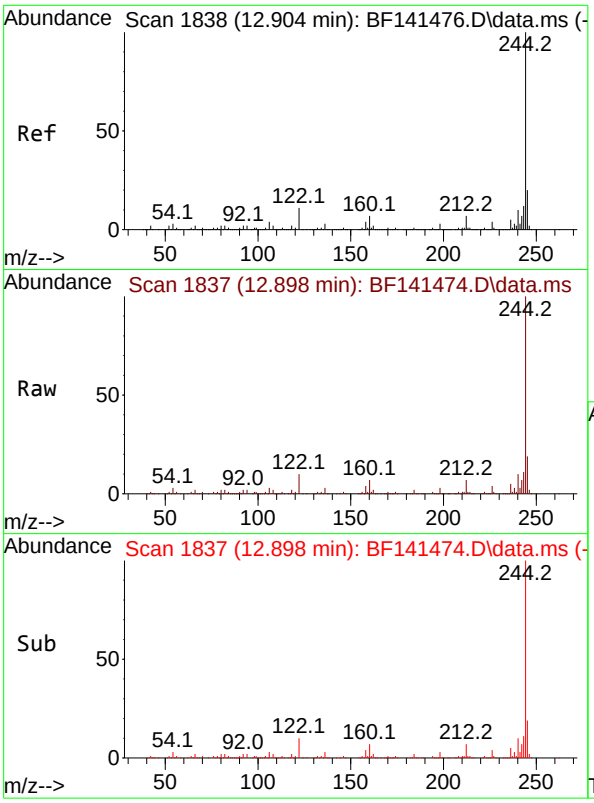




#78
Pyrene
Concen: 9.146 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:202 Resp: 221721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.7 | 17.0 | 25.4 |
| 203 | 17.4 | 14.3 | 21.5 |



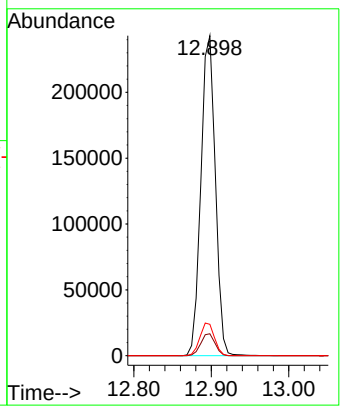


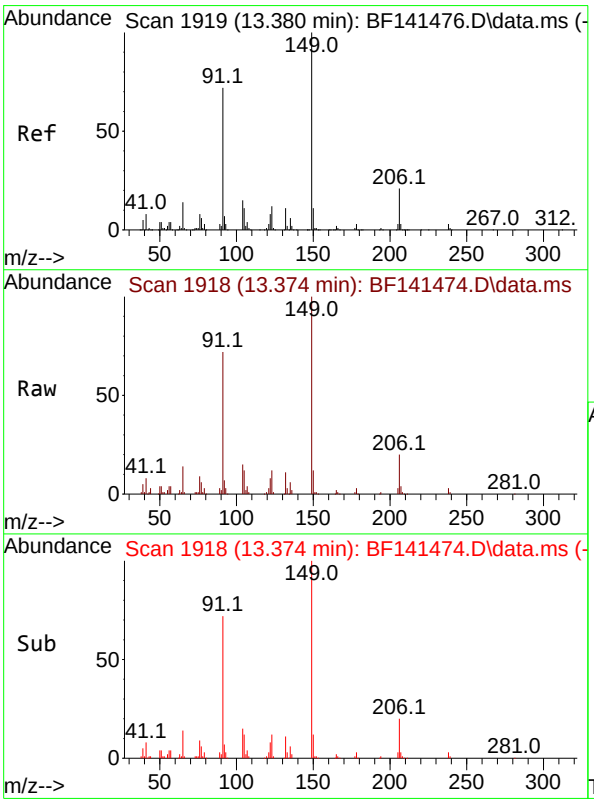

#79
Terphenyl-d14
Concen: 18.645 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:244 Resp: 314541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.6 | 8.4 |
| 122 | 9.8 | 8.4 | 12.6 |

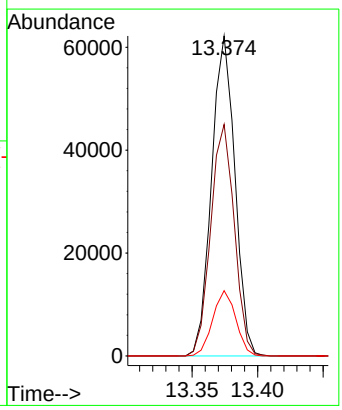


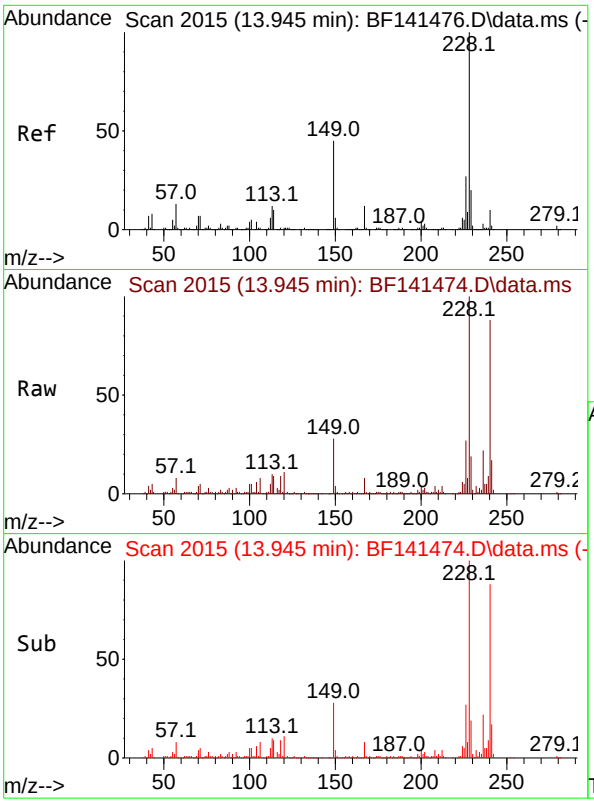




#80
Butylbenzylphthalate
Concen: 9.152 ng
RT: 13.374 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:149 Resp: 76852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.3 | 57.8 | 86.8 |
| 206 | 20.4 | 16.7 | 25.1 |



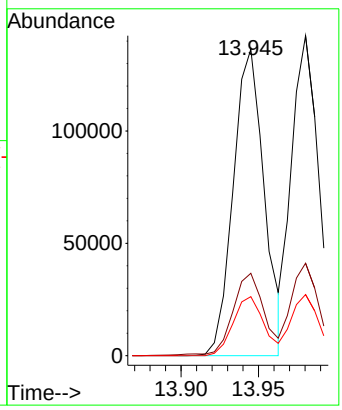


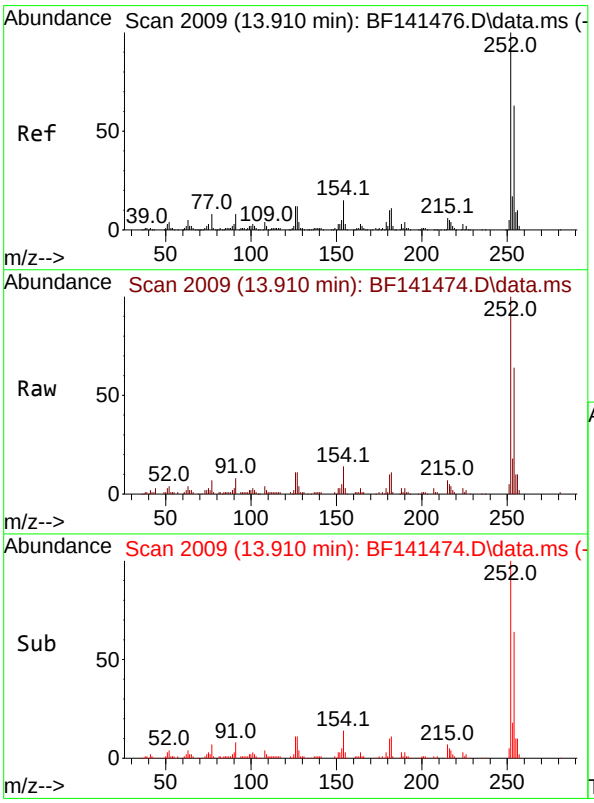

#81
Benzo(a)anthracene
Concen: 10.021 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:228 Resp: 189705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 21.8 | 32.8 |
| 229 | 19.3 | 15.8 | 23.6 |

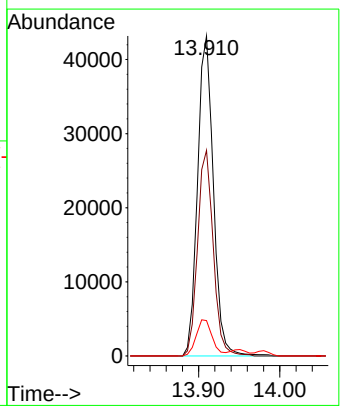


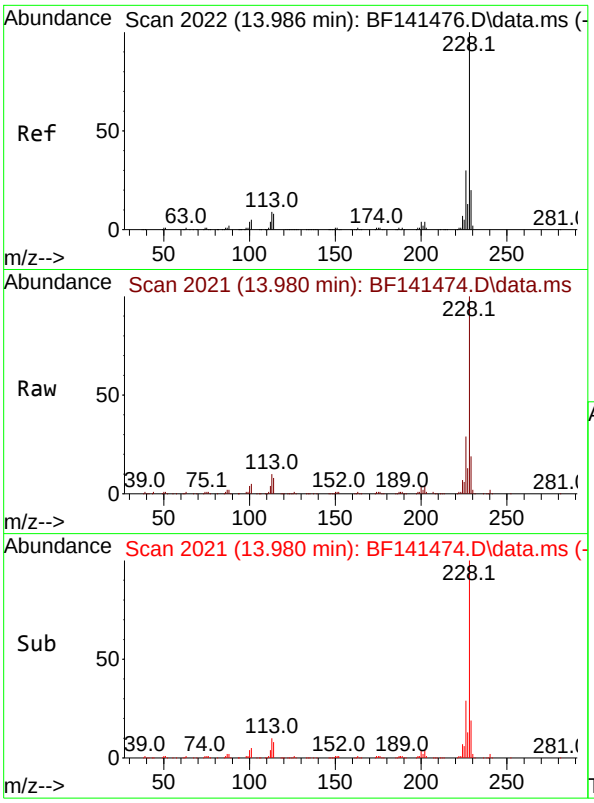




#82
3,3'-Dichlorobenzidine
Concen: 10.785 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:252 Resp: 58487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.3 | 50.6 | 76.0 |
| 126 | 11.1 | 9.3 | 13.9 |



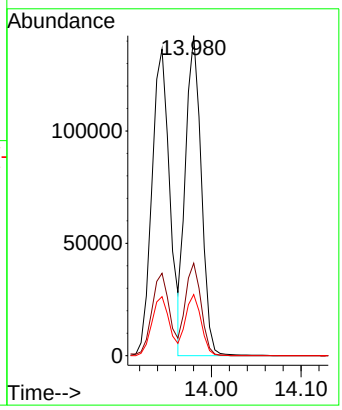


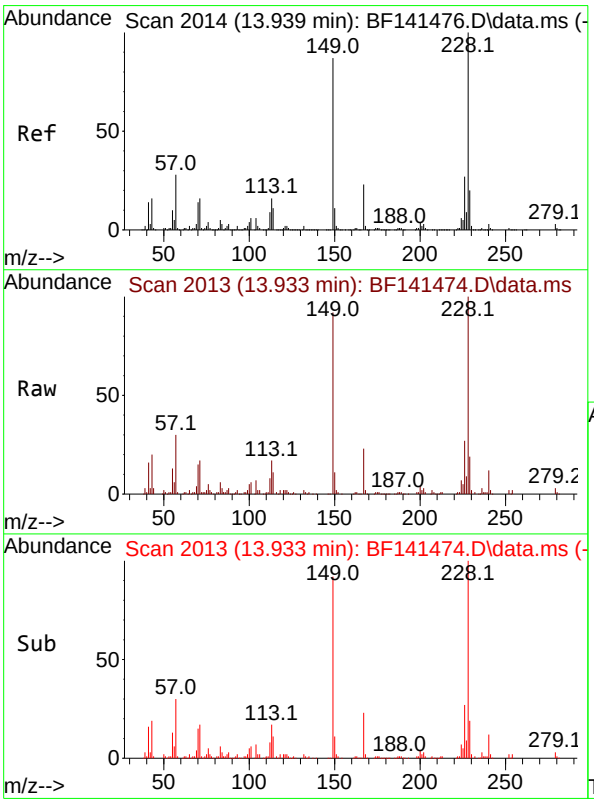

#83
Chrysene
Concen: 9.960 ng
RT: 13.980 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:228 Resp: 174103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.9 | 24.0 | 36.0 |
| 229 | 19.1 | 15.7 | 23.5 |

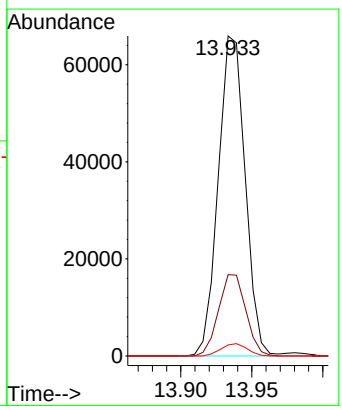


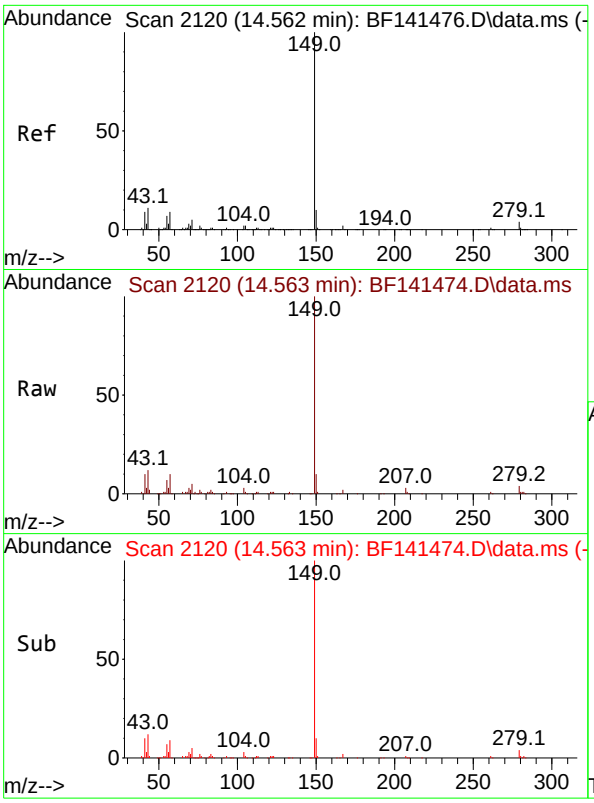




#84
Bis(2-ethylhexyl)phthalate
Concen: 9.171 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:149 Resp: 86853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 25.4 | 21.4 | 32.0 |
| 279 | 3.5 | 3.1 | 4.7 |



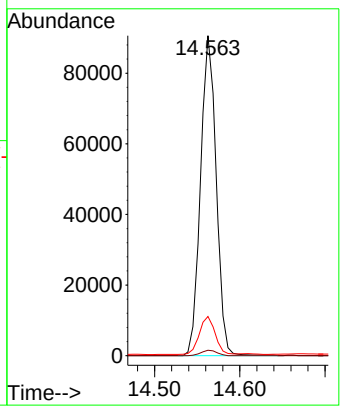


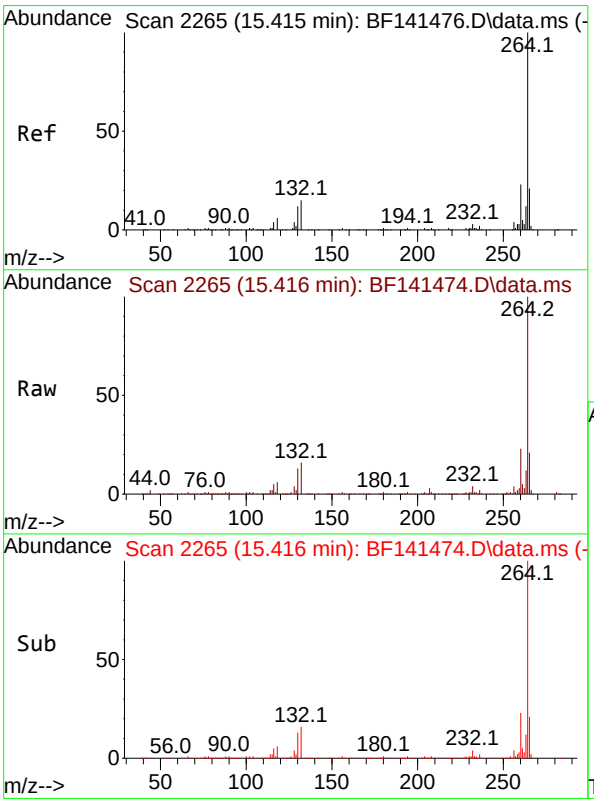

#85
Di-n-octyl phthalate
Concen: 8.576 ng
RT: 14.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:149 Resp: 115875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.7 | 1.3 | 1.9 |
| 43 | 12.1 | 9.5 | 14.3 |

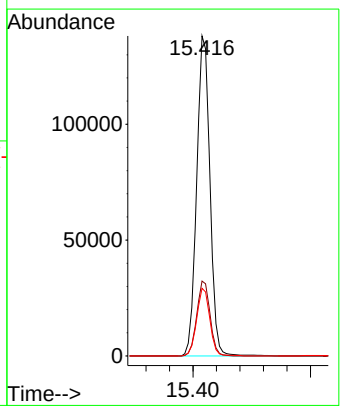


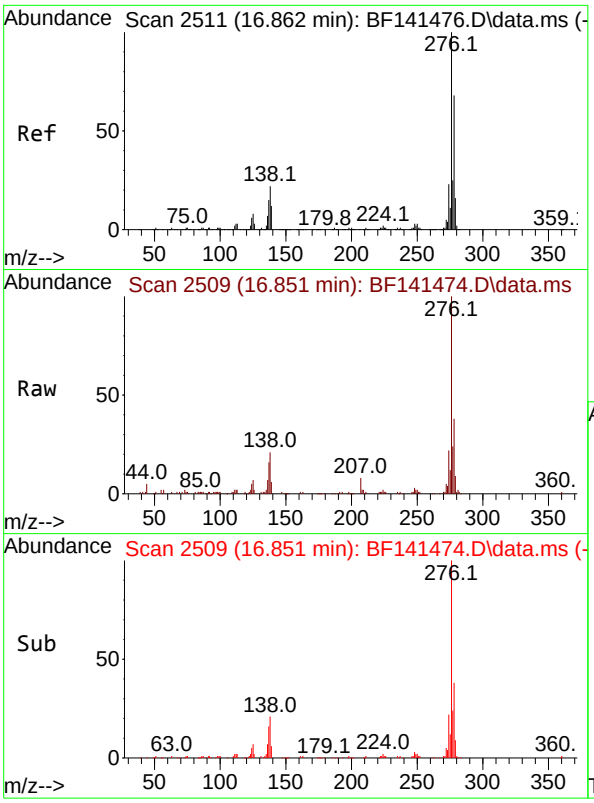




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:264 Resp: 215900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.6 | 28.0 |
| 265 | 21.2 | 17.0 | 25.4 |



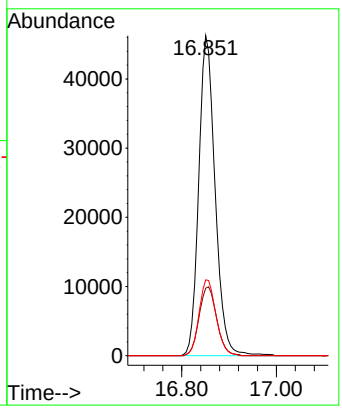


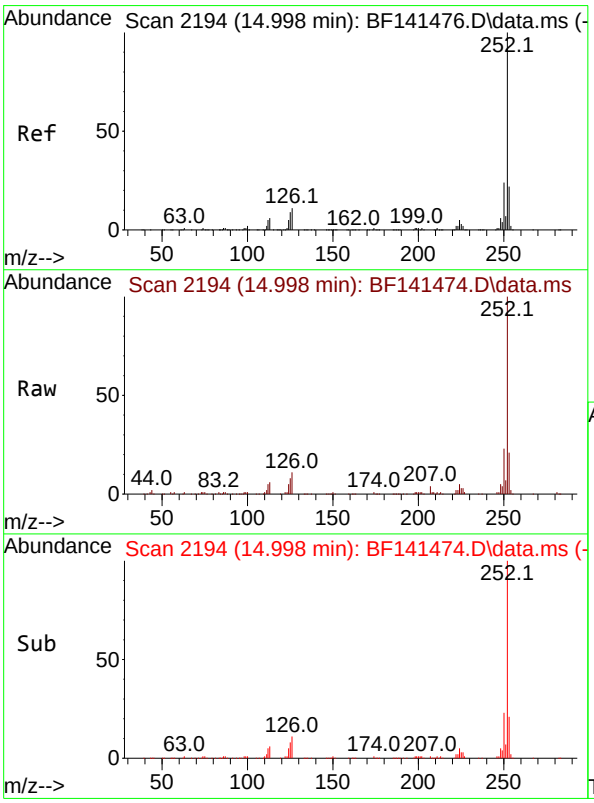

#87
Indeno(1,2,3-cd)pyrene
Concen: 8.327 ng
RT: 16.851 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:276 Resp: 111083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.1 | 18.0 | 27.0 |
| 277 | 24.5 | 20.4 | 30.6 |

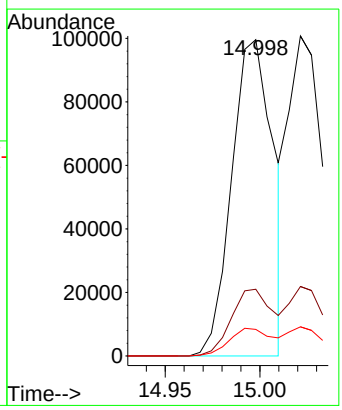


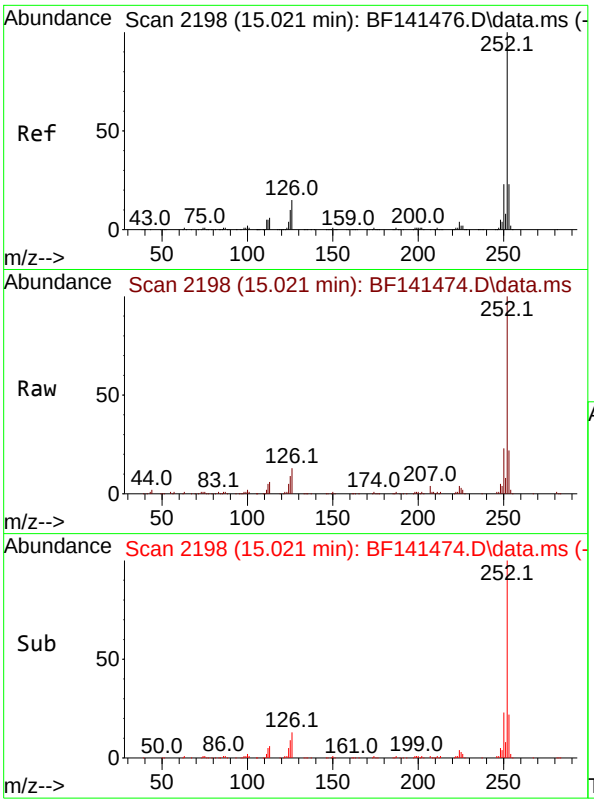




#88
Benzo(b)fluoranthene
Concen: 10.476 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:252 Resp: 151861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.1 | 17.5 | 26.3 |
| 125 | 8.4 | 7.0 | 10.6 |



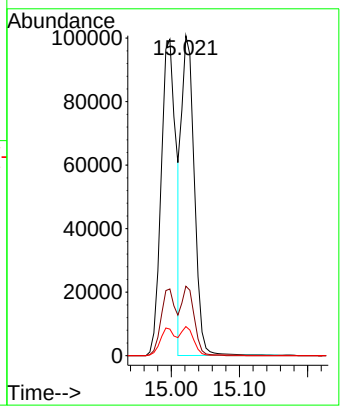


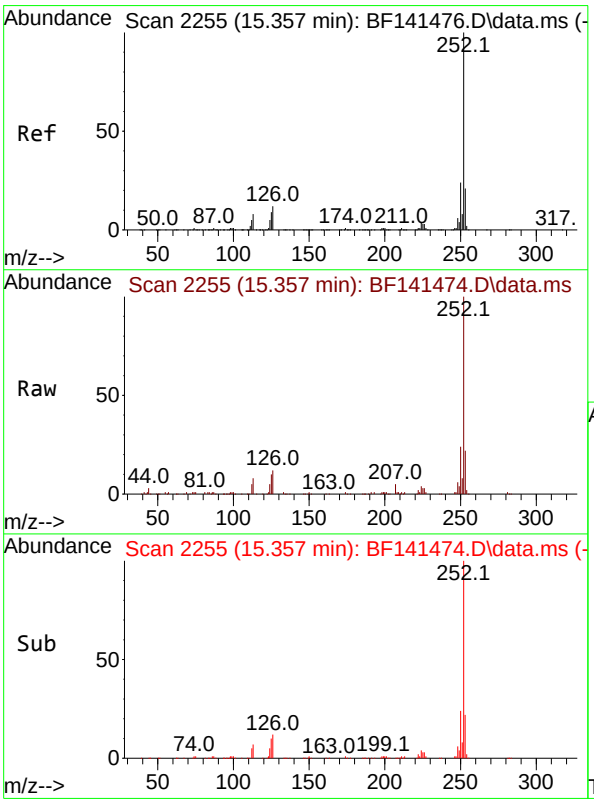

#89
Benzo(k)fluoranthene
Concen: 10.604 ng
RT: 15.021 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:252 Resp: 131265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 18.0 | 27.0 |
| 125 | 9.1 | 7.4 | 11.0 |

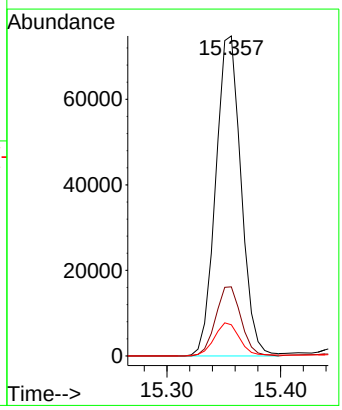


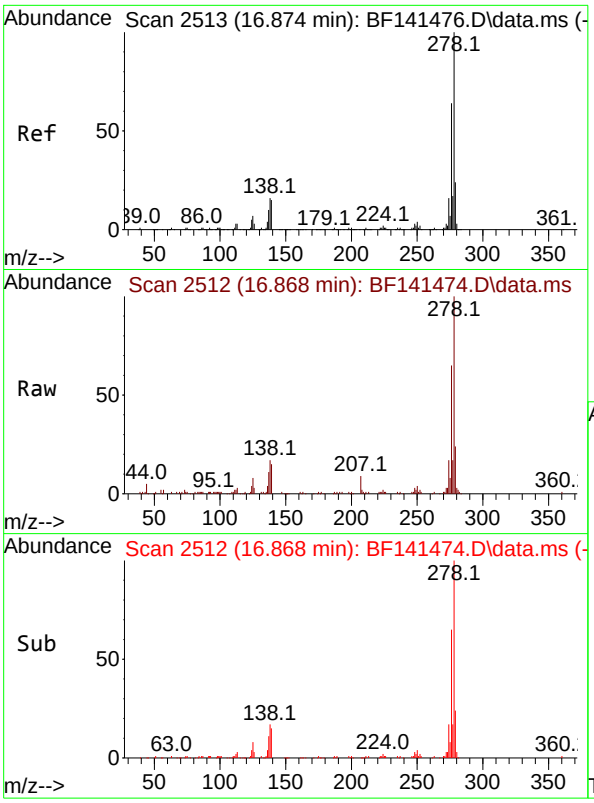




#90
Benzo(a)pyrene
Concen: 9.885 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:252 Resp: 115948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.1 | 25.7 |
| 125 | 9.8 | 7.4 | 11.2 |



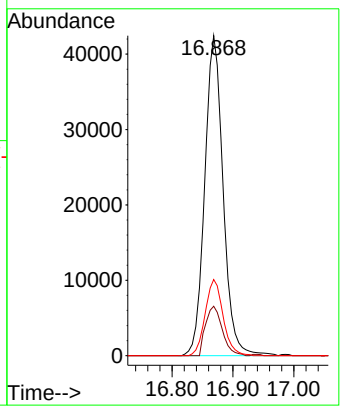


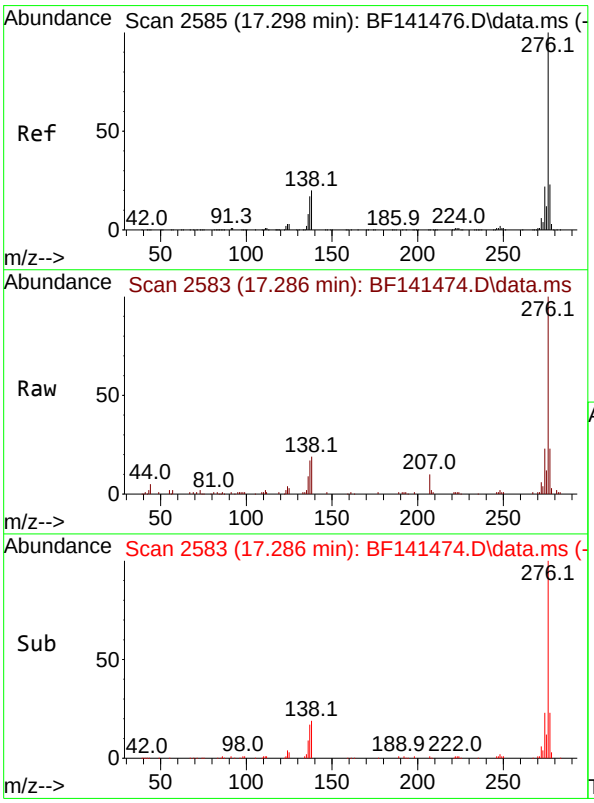

#91
Dibenzo(a,h)anthracene
Concen: 8.271 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

Tgt Ion:278 Resp: 89400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.4 | 11.8 | 17.6 |
| 279 | 23.8 | 19.1 | 28.7 |

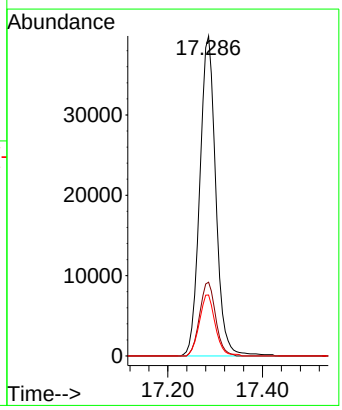



#92
Benzo(g,h,i)perylene
Concen: 8.243 ng
RT: 17.286 min Scan# 2583
Delta R.T. -0.029 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:276 Resp: 93242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.1 | 18.6 | 28.0 |
| 138 | 19.0 | 15.9 | 23.9 |



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141475.D
Acq On : 06 Feb 2025 12:26
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Feb 06 16:00:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.787 | 152 | 86149 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.069 | 136 | 348017 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.828 | 164 | 193091 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.310 | 188 | 333651 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.957 | 240 | 251741 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.416 | 264 | 191435 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.404 | 112 | 235106 | 42.785 | ng | 0.00 |
| 7) Phenol-d6 | 6.422 | 99 | 293602 | 42.273 | ng | -0.02 |
| 23) Nitrobenzene-d5 | 7.351 | 82 | 275773 | 41.331 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.616 | 330 | 80912 | 41.714 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 9.145 | 172 | 534841 | 42.674 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.898 | 244 | 609819 | 40.894 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.481 | 88 | 45027 | 20.359 | ng | 98 |
| 3) Pyridine | 3.211 | 79 | 112903 | 21.453 | ng | 96 |
| 4) n-Nitrosodimethylamine | 3.152 | 42 | 70658 | 20.276 | ng | 98 |
| 6) Aniline | 6.446 | 93 | 142156 | 21.820 | ng | 97 |
| 8) 2-Chlorophenol | 6.575 | 128 | 124573 | 20.980 | ng | 98 |
| 9) Benzaldehyde | 6.340 | 77 | 84531 | 22.903 | ng | 98 |
| 10) Phenol | 6.440 | 94 | 156515 | 21.652 | ng | 96 |
| 11) bis(2-Chloroethyl)ether | 6.522 | 93 | 111675 | 20.568 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 6.728 | 146 | 133906 | 21.362 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.804 | 146 | 135357 | 21.134 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 6.957 | 146 | 126931 | 21.354 | ng | 99 |
| 15) Benzyl Alcohol | 6.928 | 79 | 113901 | 21.386 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063 | 45 | 199281 | 21.441 | ng | 99 |
| 17) 2-Methylphenol | 7.046 | 107 | 96607 | 20.792 | ng | 99 |
| 18) Hexachloroethane | 7.298 | 117 | 50745 | 21.409 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.199 | 70 | 89512 | 21.546 | ng | 99 |
| 20) 3+4-Methylphenols | 7.199 | 107 | 125707 | 21.287 | ng | 91 |
| 22) Acetophenone | 7.199 | 105 | 181333 | 20.946 | ng | 100 |
| 24) Nitrobenzene | 7.369 | 77 | 133285 | 20.485 | ng | 99 |
| 25) Isophorone | 7.604 | 82 | 220291 | 20.706 | ng | 99 |
| 26) 2-Nitrophenol | 7.687 | 139 | 66195 | 20.449 | ng | 98 |
| 27) 2,4-Dimethylphenol | 7.728 | 122 | 76751 | 20.296 | ng | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.822 | 93 | 142151 | 20.852 | ng | 99 |
| 29) 2,4-Dichlorophenol | 7.934 | 162 | 108456 | 21.227 | ng | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.010 | 180 | 115050 | 20.678 | ng | 100 |
| 31) Naphthalene | 8.093 | 128 | 381547 | 21.062 | ng | 99 |
| 32) Benzoic acid | 7.828 | 122 | 75462 | 19.212 | ng | 99 |
| 33) 4-Chloroaniline | 8.146 | 127 | 132911 | 21.014 | ng | 98 |
| 34) Hexachlorobutadiene | 8.210 | 225 | 69492 | 20.804 | ng | 98 |
| 35) Caprolactam | 8.498 | 113 | 32746 | 21.050 | ng | 97 |
| 36) 4-Chloro-3-methylphenol | 8.628 | 107 | 119021 | 21.029 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.781 | 142 | 250365 | 21.238 | ng | 98 |
| 38) 1-Methylnaphthalene | 8.881 | 142 | 240408 | 21.056 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.945 | 216 | 115936 | 20.753 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 8.934 | 237 | 34729 | 18.691 | ng | 97 |
| 43) 2,4,6-Trichlorophenol | 9.063 | 196 | 75161 | 20.817 | ng | 98 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141475.D
Acq On : 06 Feb 2025 12:26
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Feb 06 16:00:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

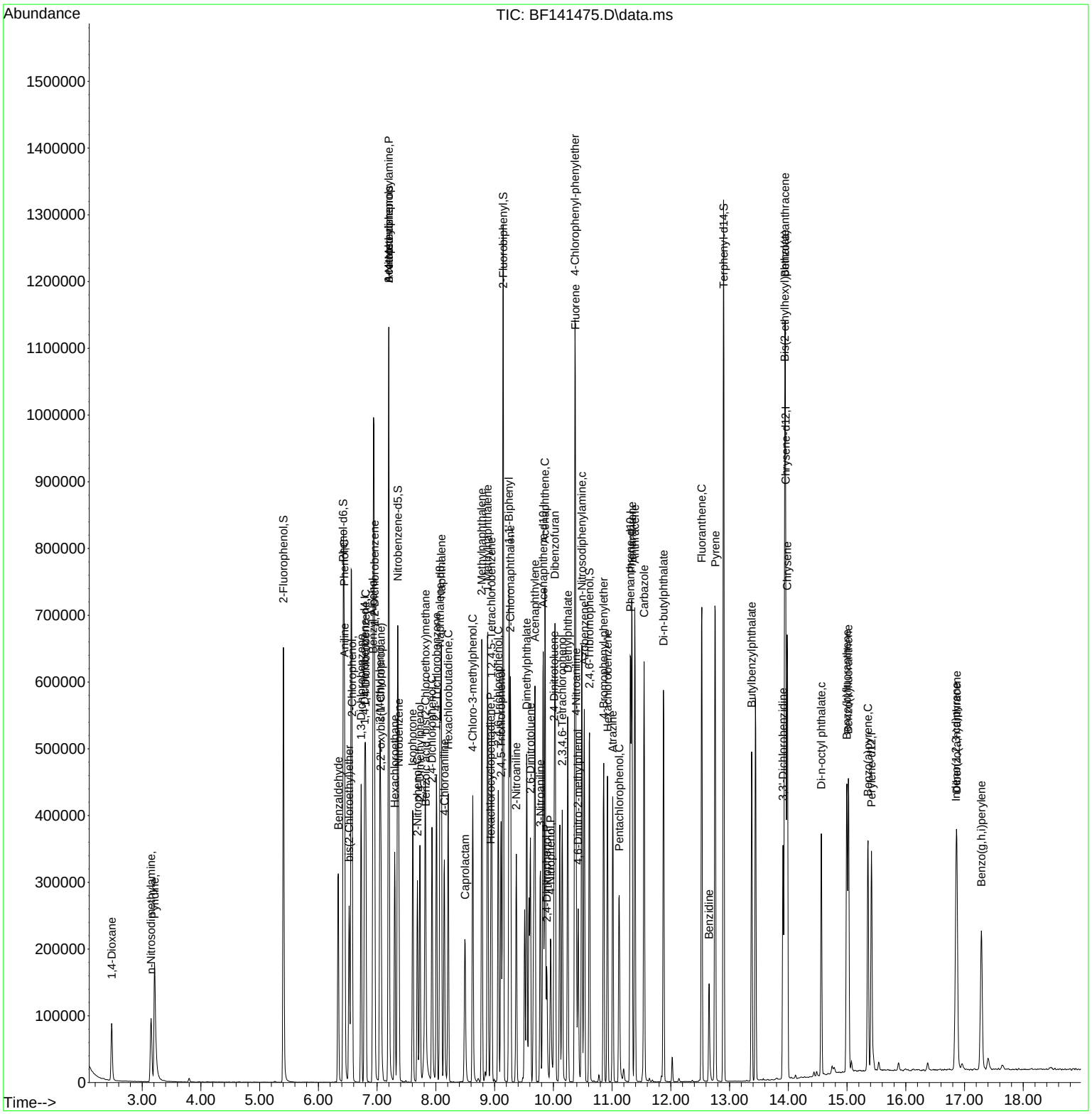
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.110 | 196 | 83112 | 21.240 | ng | 97 |
| 46) 1,1'-Biphenyl | 9.245 | 154 | 315040 | 21.045 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.269 | 162 | 233789 | 21.119 | ng | 99 |
| 48) 2-Nitroaniline | 9.369 | 65 | 75990 | 20.455 | ng | 99 |
| 49) Acenaphthylene | 9.687 | 152 | 345829 | 21.004 | ng | 99 |
| 50) Dimethylphthalate | 9.545 | 163 | 271920 | 20.744 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.610 | 165 | 60700 | 21.182 | ng | 98 |
| 52) Acenaphthene | 9.857 | 154 | 229442m | 20.728 | ng | |
| 53) 3-Nitroaniline | 9.781 | 138 | 64626 | 20.954 | ng | 96 |
| 54) 2,4-Dinitrophenol | 9.887 | 184 | 32186 | 18.898 | ng | 98 |
| 55) Dibenzofuran | 10.028 | 168 | 342620 | 21.087 | ng | 100 |
| 56) 4-Nitrophenol | 9.951 | 139 | 47721 | 20.843 | ng | 96 |
| 57) 2,4-Dinitrotoluene | 10.016 | 165 | 79865 | 20.936 | ng | 95 |
| 58) Fluorene | 10.375 | 166 | 265810 | 21.159 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.151 | 232 | 69328 | 20.579 | ng | 100 |
| 60) Diethylphthalate | 10.245 | 149 | 270018 | 20.936 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.369 | 204 | 127216 | 21.049 | ng | 97 |
| 62) 4-Nitroaniline | 10.387 | 138 | 64262 | 20.519 | ng | 98 |
| 63) Azobenzene | 10.528 | 77 | 267372 | 20.853 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.422 | 198 | 46877 | 20.226 | ng | 99 |
| 66) n-Nitrosodiphenylamine | 10.487 | 169 | 224776 | 21.045 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248 | 78167 | 20.962 | ng | 97 |
| 68) Hexachlorobenzene | 10.922 | 284 | 80301 | 20.913 | ng | 97 |
| 69) Atrazine | 11.010 | 200 | 71359 | 22.271 | ng | 97 |
| 70) Pentachlorophenol | 11.122 | 266 | 50539 | 20.584 | ng | 98 |
| 71) Phenanthrene | 11.339 | 178 | 387256 | 21.085 | ng | 99 |
| 72) Anthracene | 11.386 | 178 | 386414 | 20.930 | ng | 100 |
| 73) Carbazole | 11.545 | 167 | 358987 | 21.610 | ng | 99 |
| 74) Di-n-butylphthalate | 11.875 | 149 | 408041 | 21.273 | ng | 100 |
| 75) Fluoranthene | 12.528 | 202 | 414712 | 21.298 | ng | 99 |
| 77) Benzidine | 12.651 | 184 | 84013 | 15.132 | ng | 98 |
| 78) Pyrene | 12.757 | 202 | 432216 | 20.169 | ng | 99 |
| 80) Butylbenzylphthalate | 13.375 | 149 | 152184 | 20.502 | ng | 99 |
| 81) Benzo(a)anthracene | 13.945 | 228 | 339877 | 20.310 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.910 | 252 | 102367 | 21.355 | ng | 98 |
| 83) Chrysene | 13.980 | 228 | 330823 | 21.411 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.939 | 149 | 172352 | 20.588 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.563 | 149 | 229060 | 19.180 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.857 | 276 | 227105 | 19.200 | ng | 99 |
| 88) Benzo(b)fluoranthene | 14.998 | 252 | 267695 | 20.826 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.022 | 252 | 238695 | 21.747 | ng | 97 |
| 90) Benzo(a)pyrene | 15.357 | 252 | 213510 | 20.528 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 16.868 | 278 | 185740 | 19.379 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.286 | 276 | 191595 | 19.103 | ng | 99 |

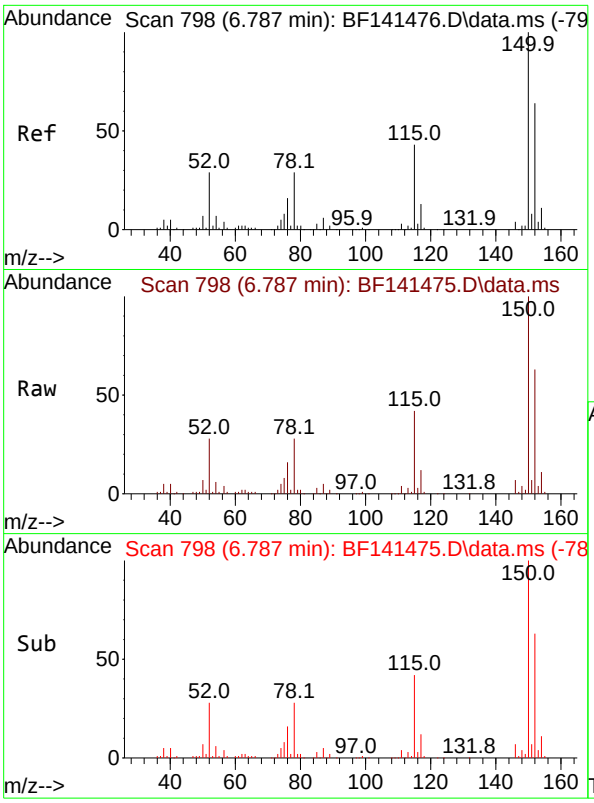
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF141475.D
Acq On : 06 Feb 2025 12:26
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Feb 06 16:00:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



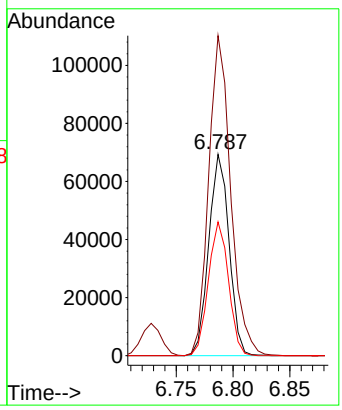


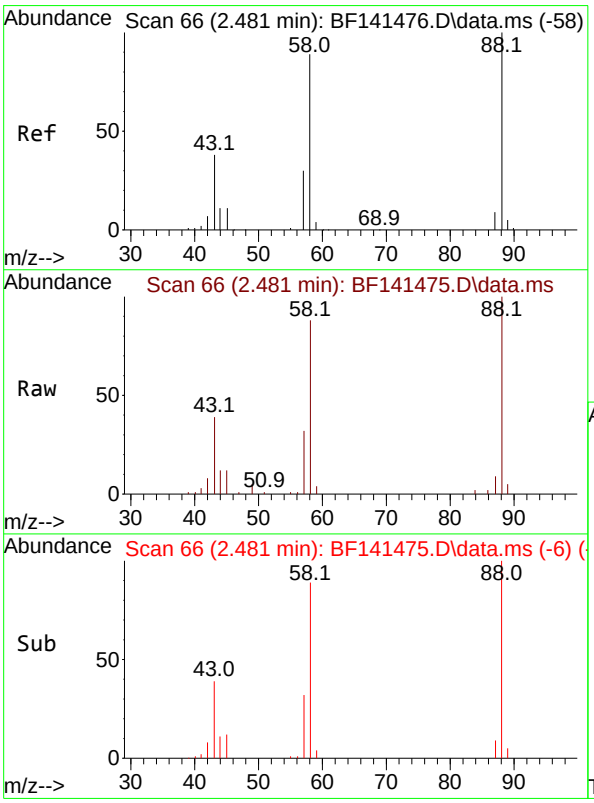

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:152 Resp: 86149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.0 | 125.0 | 187.4 |
| 115 | 66.4 | 53.6 | 80.4 |

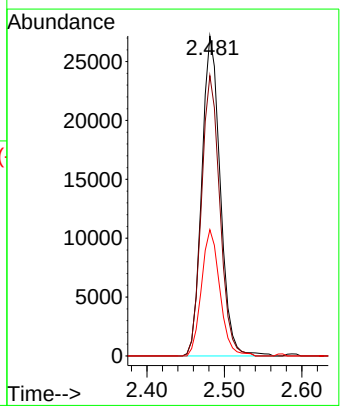


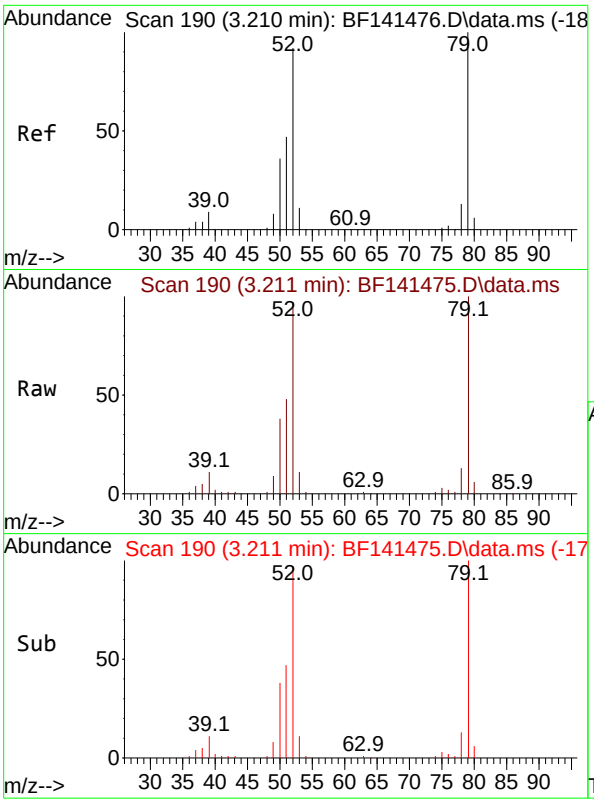




#2
1,4-Dioxane
Concen: 20.359 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 88 Resp: 45027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 87.1 | 71.1 | 106.7 |
| 43 | 39.2 | 30.6 | 46.0 |



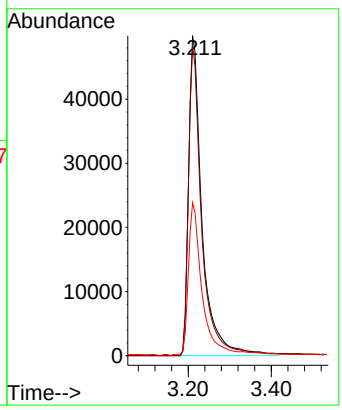


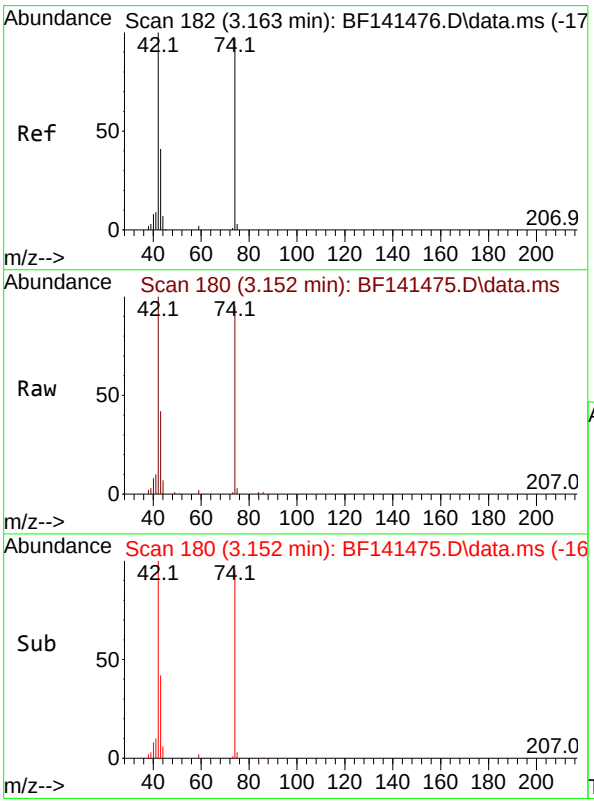

#3
Pyridine
Concen: 21.453 ng
RT: 3.211 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion: 79 Resp: 112903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 96.9 | 73.7 | 110.5 |
| 51 | 47.8 | 37.5 | 56.3 |

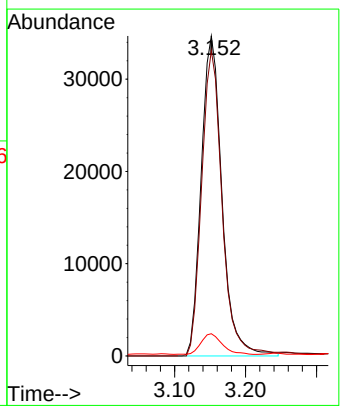


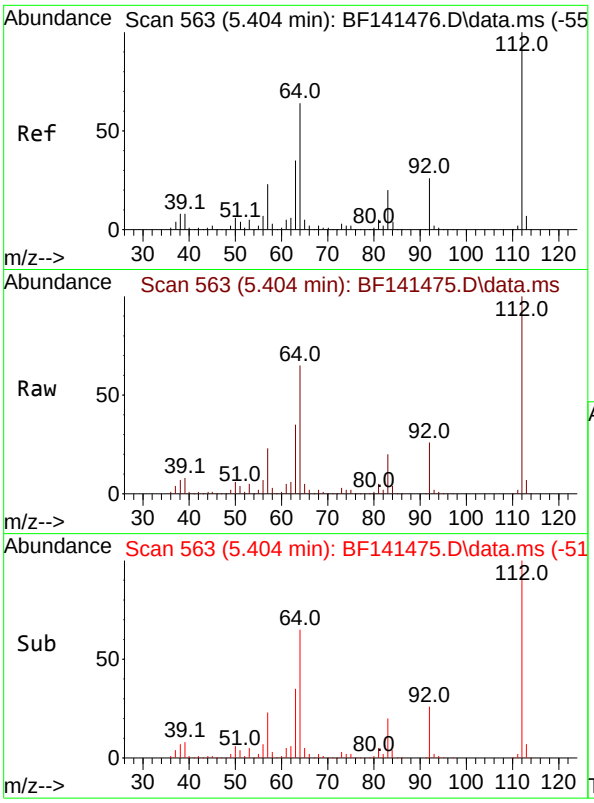




#4
n-Nitrosodimethylamine
Concen: 20.276 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.035 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 42 Resp: 70658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 95.4 | 78.0 | 117.0 |
| 44 | 7.0 | 5.4 | 8.2 |



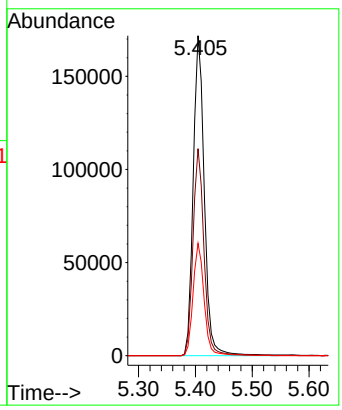


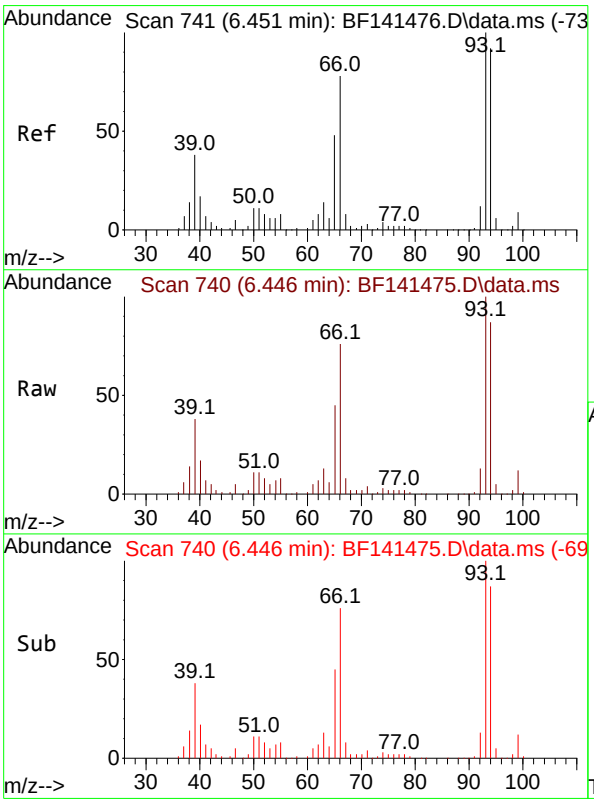

#5
2-Fluorophenol
Concen: 42.785 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:112 Resp: 235106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 64.7 | 51.1 | 76.7 |
| 63 | 35.1 | 28.4 | 42.6 |

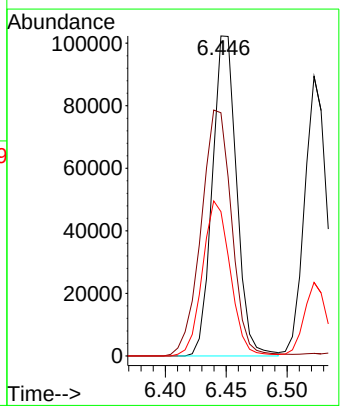


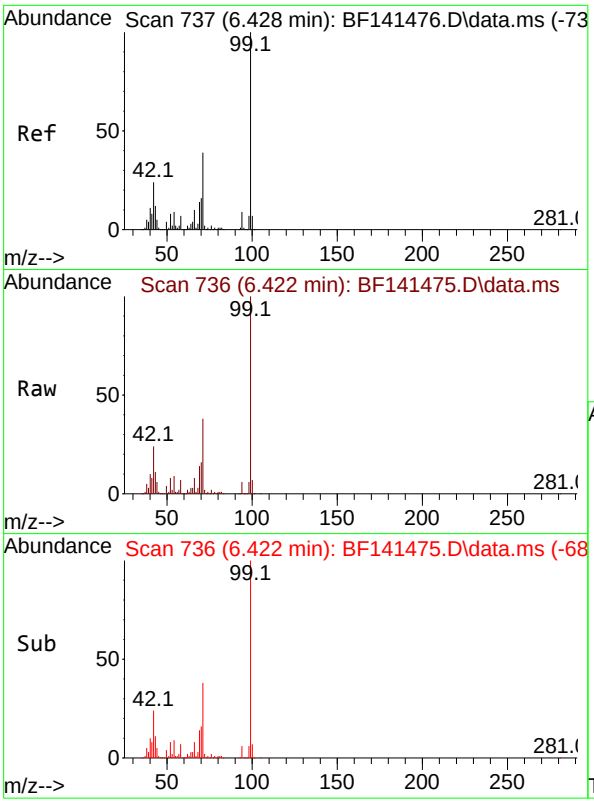




#6
Aniline
Concen: 21.820 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 93 Resp: 142156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 76.0 | 62.6 | 94.0 |
| 65 | 45.1 | 38.3 | 57.5 |



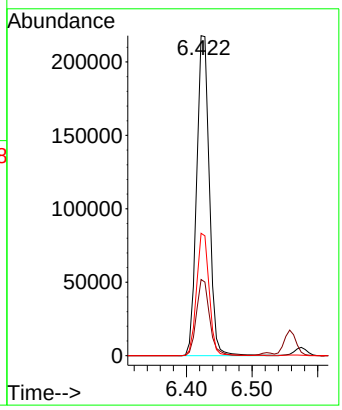


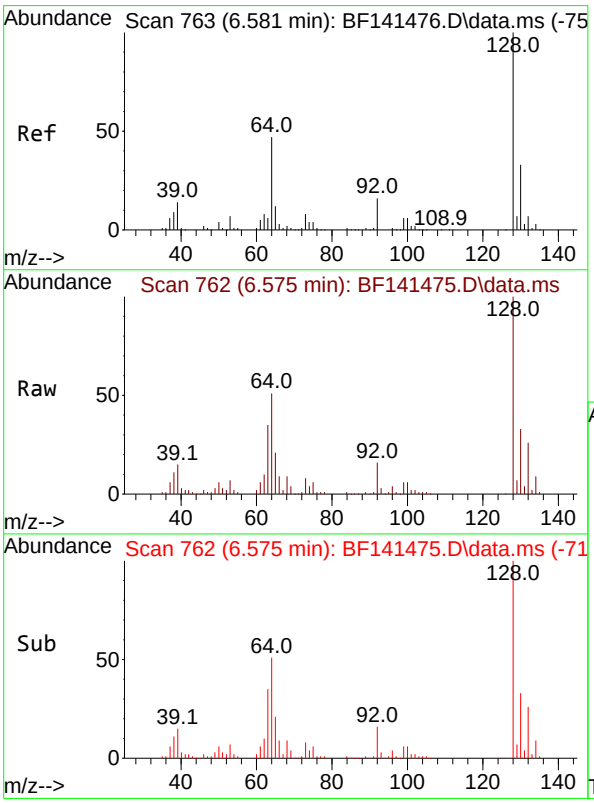

#7
Phenol-d6
Concen: 42.273 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion: 99 Resp: 293602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.8 | 19.1 | 28.7 |
| 71 | 38.2 | 31.1 | 46.7 |

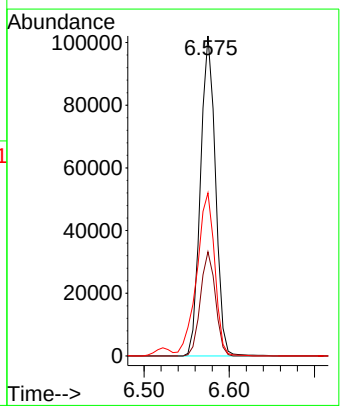


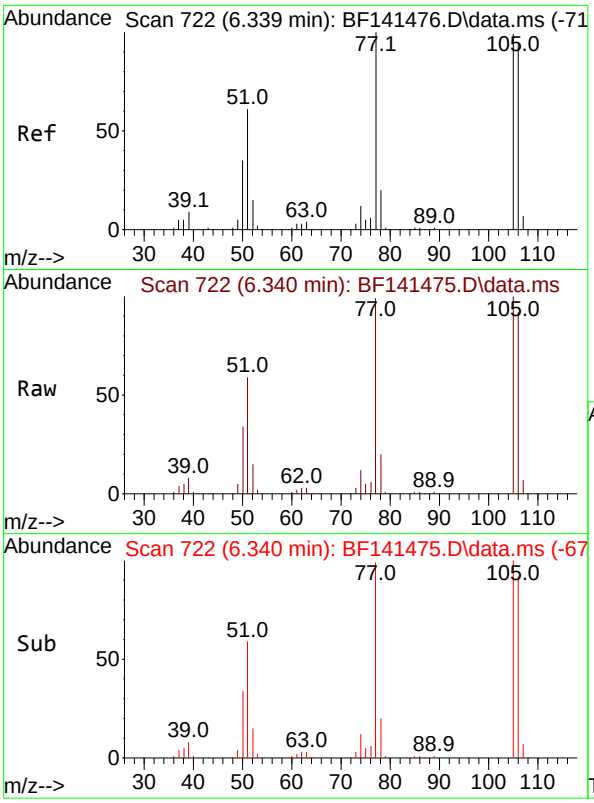




#8
2-Chlorophenol
Concen: 20.980 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:128 Resp: 124573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.6 | 12.7 | 52.7 |
| 64 | 50.9 | 28.3 | 68.3 |



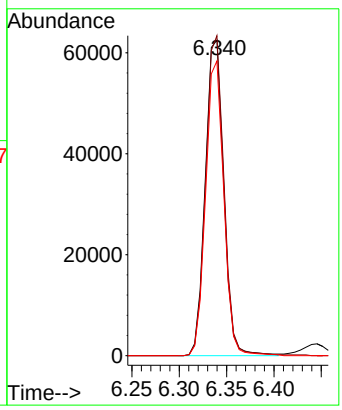


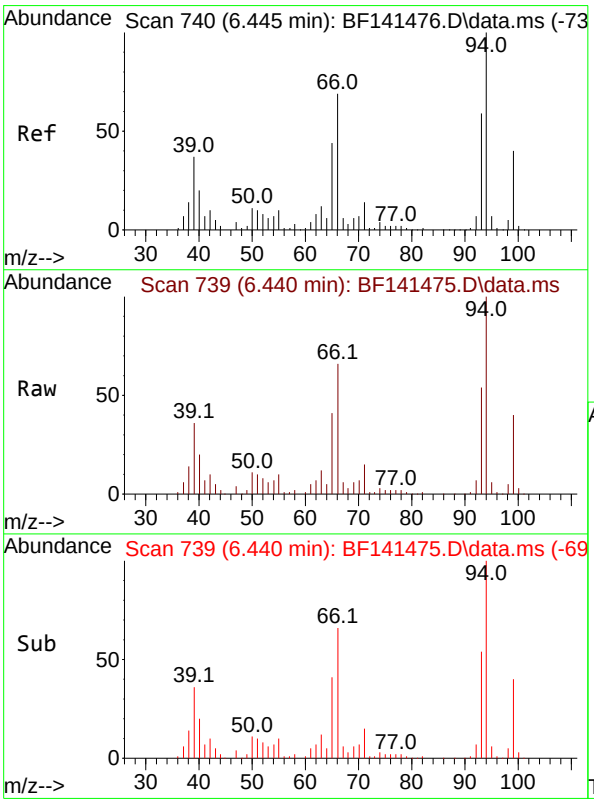

#9
Benzaldehyde
Concen: 22.903 ng
RT: 6.340 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion: 77 Resp: 84531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 101.4 | 79.4 | 119.4 |
| 106 | 93.4 | 75.1 | 115.1 |

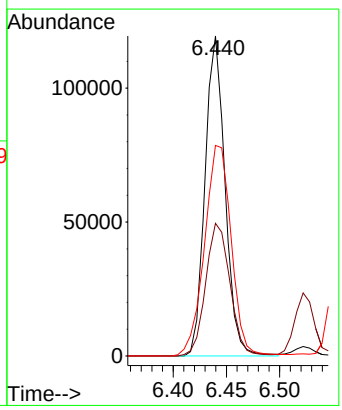


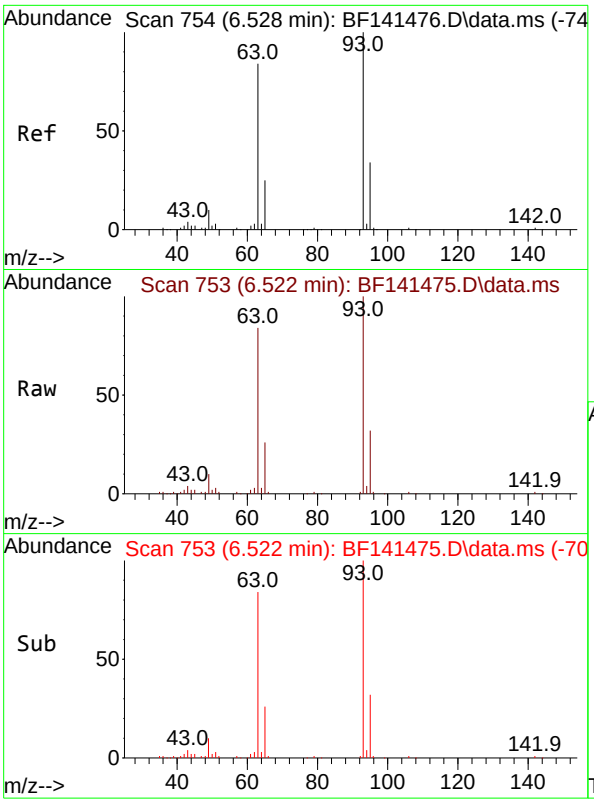




#10
Phenol
Concen: 21.652 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 94 Resp: 156515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 41.5 | 23.7 | 63.7 |
| 66 | 65.8 | 49.3 | 89.3 |



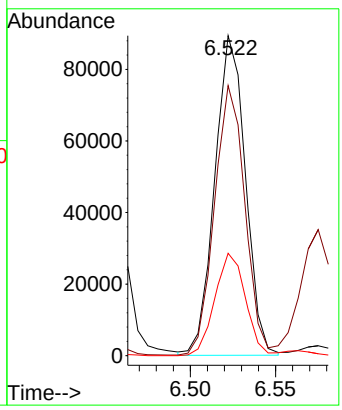


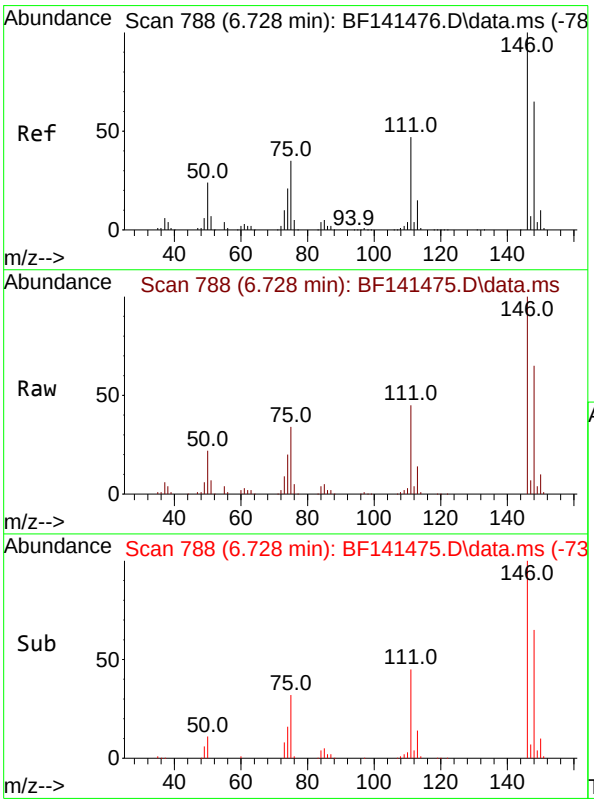

#11
bis(2-Chloroethyl)ether
Concen: 20.568 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion: 93 Resp: 111675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 84.4 | 62.0 | 102.0 |
| 95 | 32.0 | 12.6 | 52.6 |

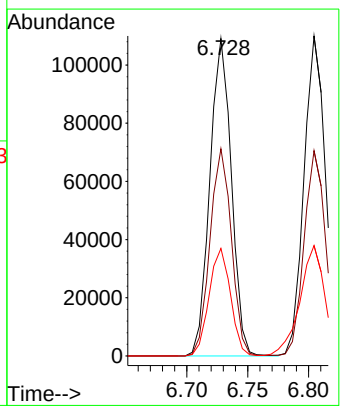


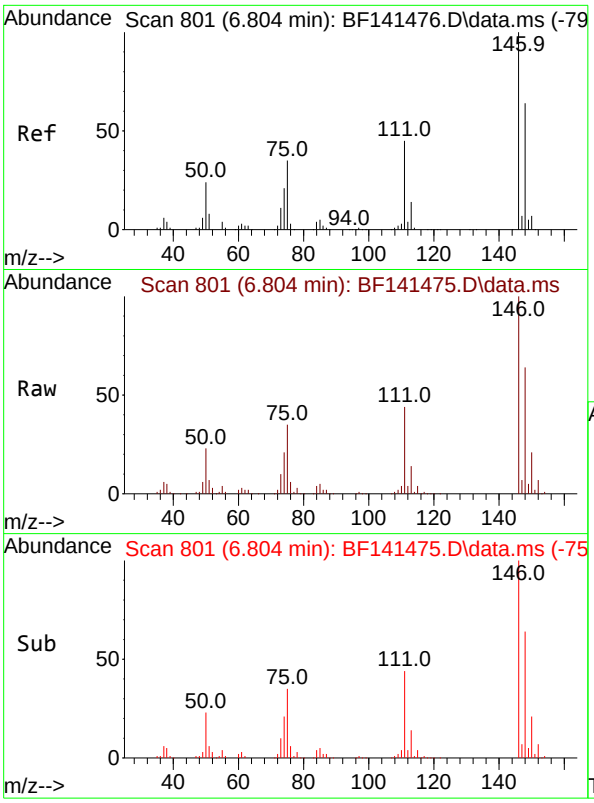




#12
1,3-Dichlorobenzene
Concen: 21.362 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:146 Resp: 133906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.3 | 51.9 | 77.9 |
| 75 | 33.8 | 28.2 | 42.2 |



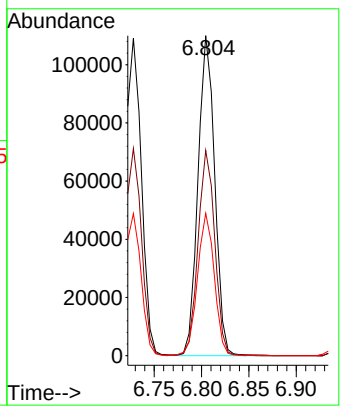


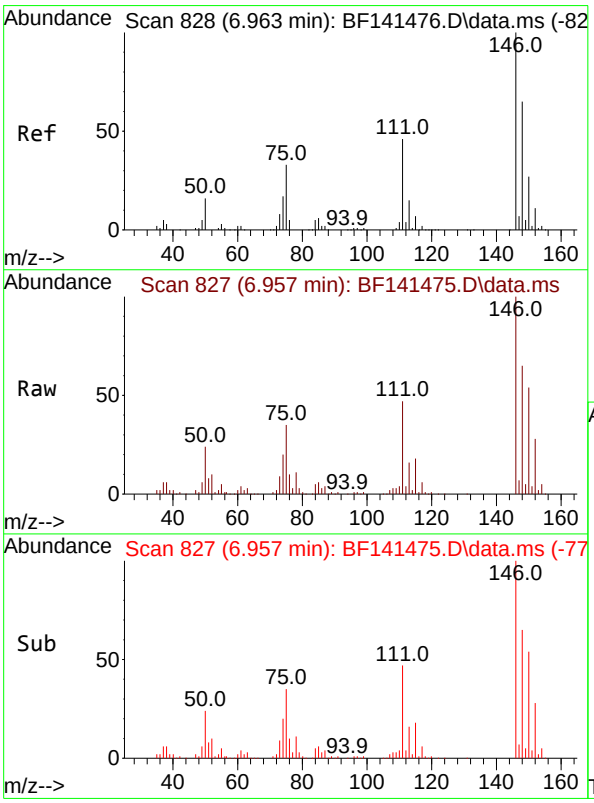

#13
1,4-Dichlorobenzene
Concen: 21.134 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:146 Resp: 135357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 50.9 | 76.3 |
| 111 | 44.5 | 35.9 | 53.9 |

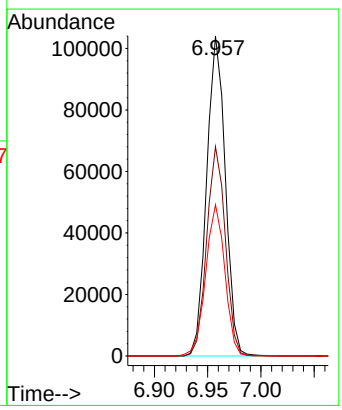


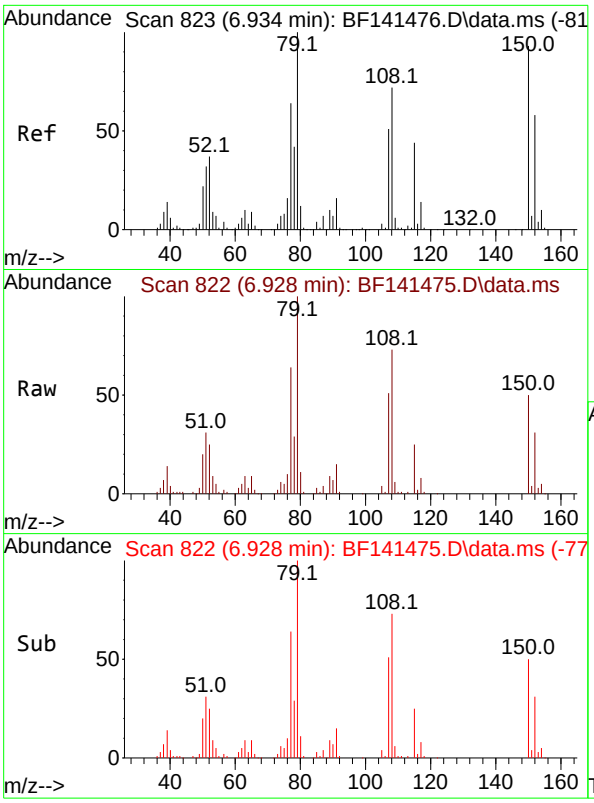




#14
1,2-Dichlorobenzene
Concen: 21.354 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:146 Resp: 126931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.4 | 51.8 | 77.6 |
| 111 | 47.3 | 37.0 | 55.4 |



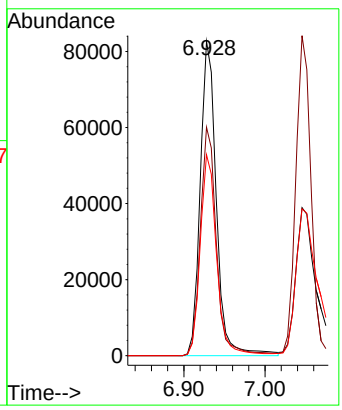


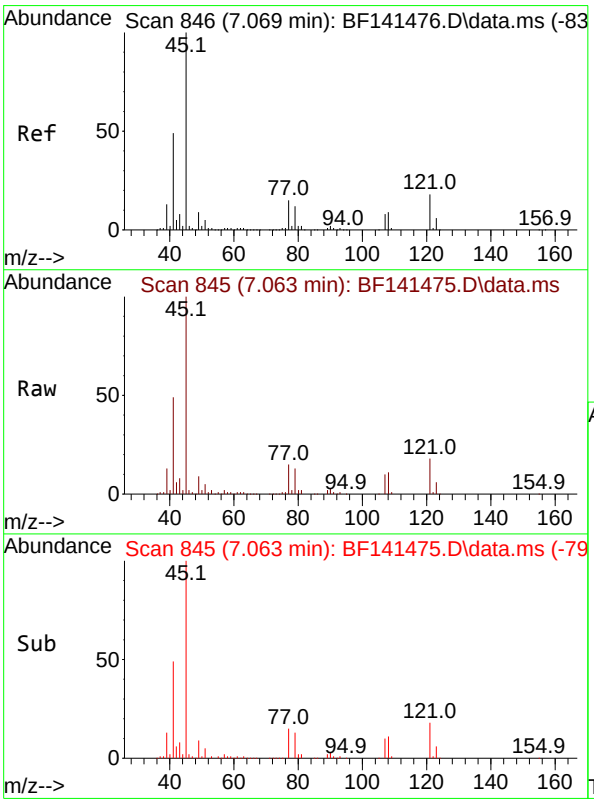

#15
Benzyl Alcohol
Concen: 21.386 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion: 79 Resp: 113901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 72.6 | 57.4 | 86.2 |
| 77 | 63.9 | 50.9 | 76.3 |

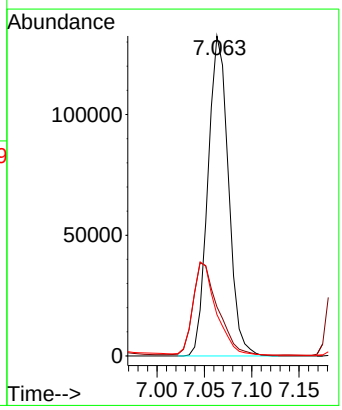


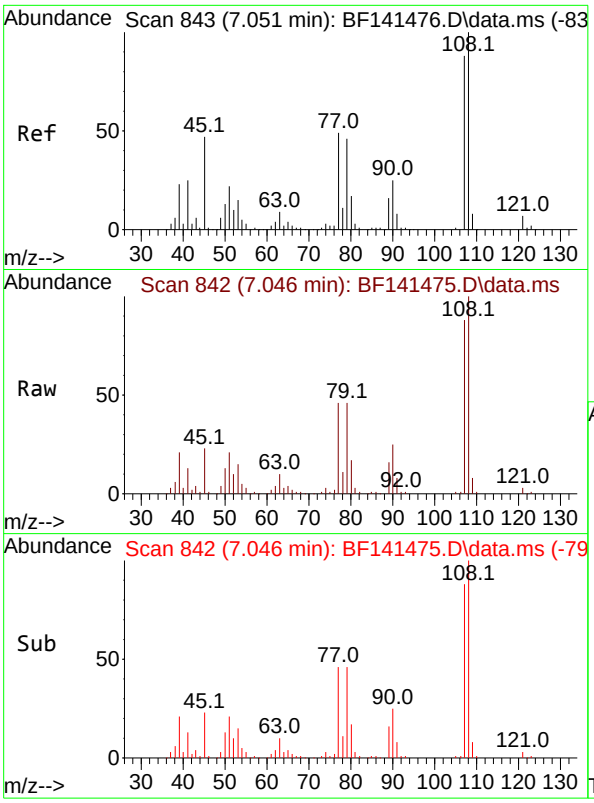




#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.441 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 45 Resp: 199281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 15.3 | 0.0 | 35.8 |
| 79 | 12.9 | 0.0 | 32.7 |



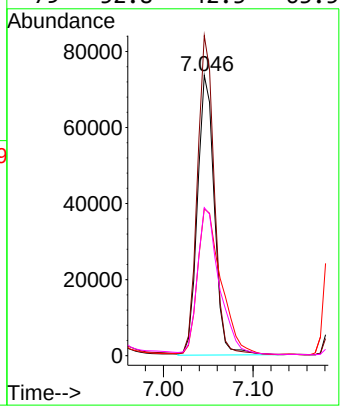


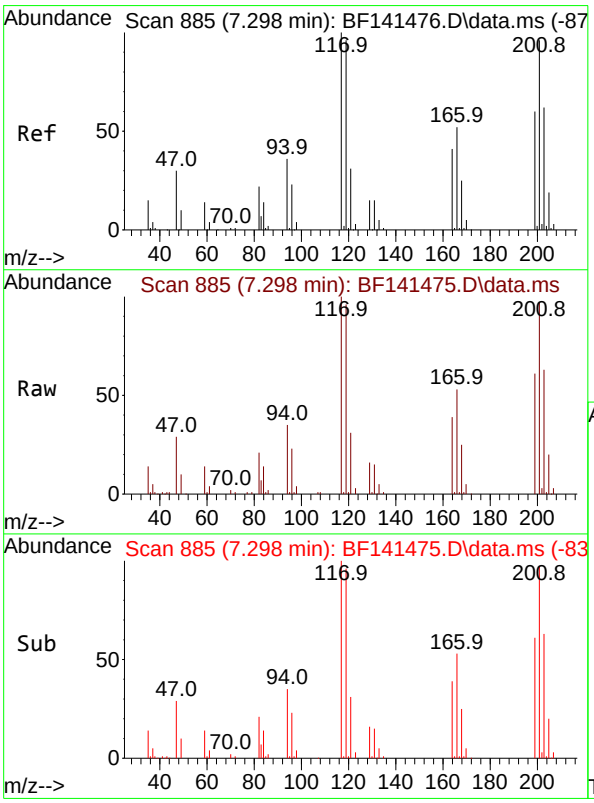

#17
2-Methylphenol
Concen: 20.792 ng
RT: 7.046 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:107 Resp: 96607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.2 | 90.6 | 136.0 |
| 77 | 52.4 | 44.4 | 66.6 |
| 79 | 52.8 | 42.3 | 63.5 |

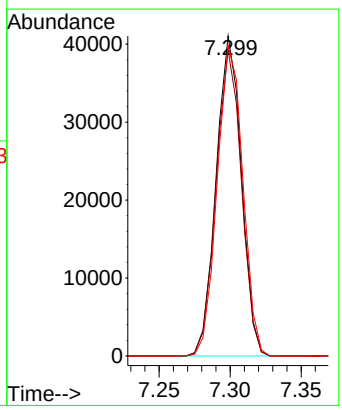


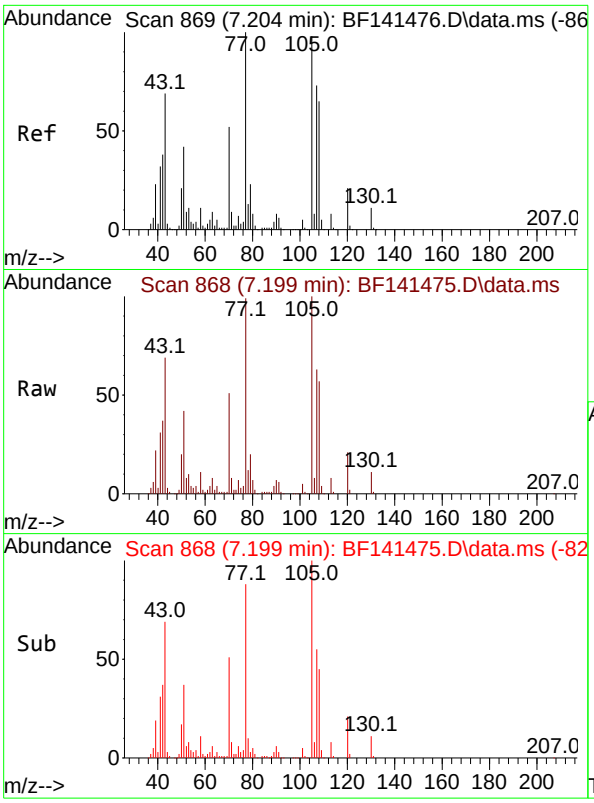




#18
Hexachloroethane
Concen: 21.409 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:117 Resp: 50745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.7 | 76.5 | 114.7 |
| 201 | 97.0 | 76.7 | 115.1 |



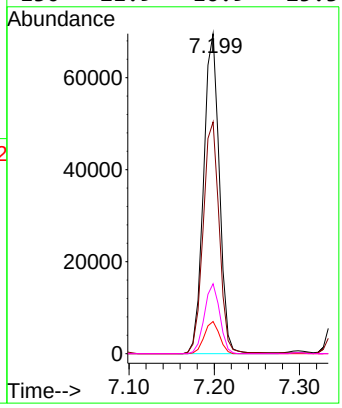


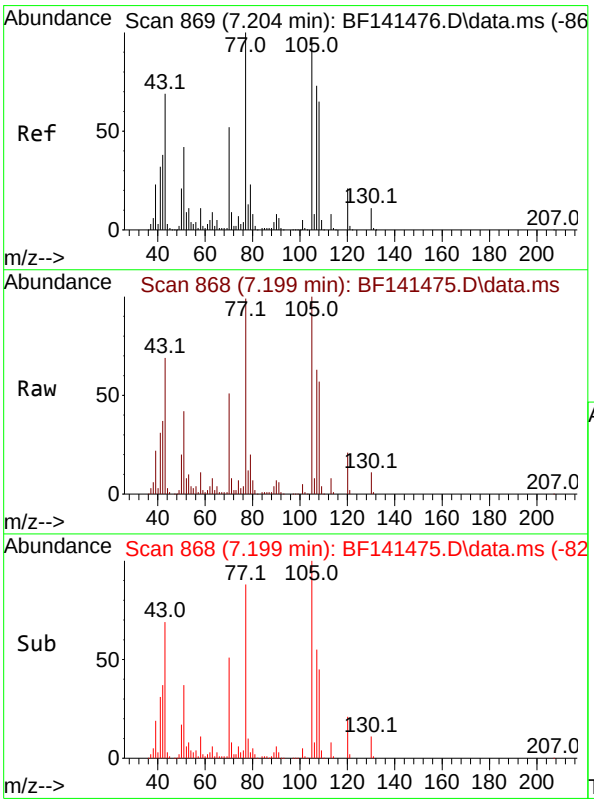

#19
n-Nitroso-di-n-propylamine
Concen: 21.546 ng
RT: 7.199 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion: 70 Resp: 89512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 72.4 | 57.4 | 86.2 |
| 101 | 10.0 | 8.0 | 12.0 |
| 130 | 21.9 | 16.9 | 25.3 |

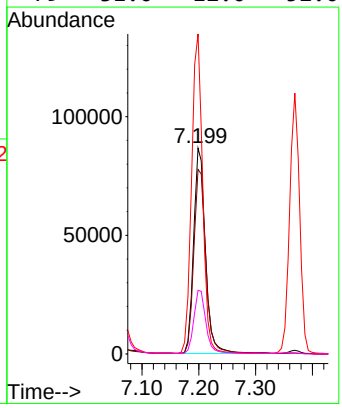


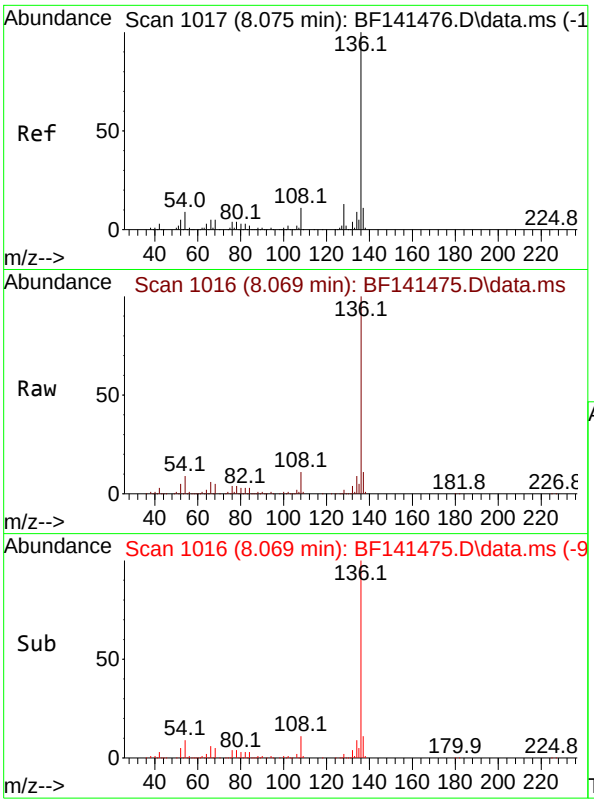




#20
3+4-Methylphenols
Concen: 21.287 ng
RT: 7.199 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:107 Resp: 125707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.7 | 68.5 | 108.5 |
| 77 | 155.6 | 116.5 | 156.5 |
| 79 | 31.0 | 12.0 | 52.0 |



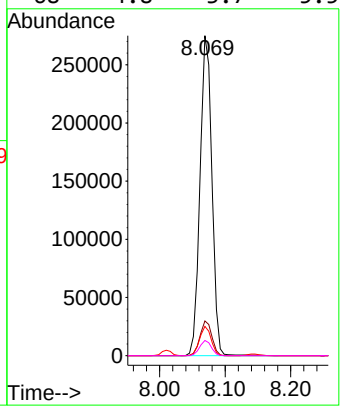


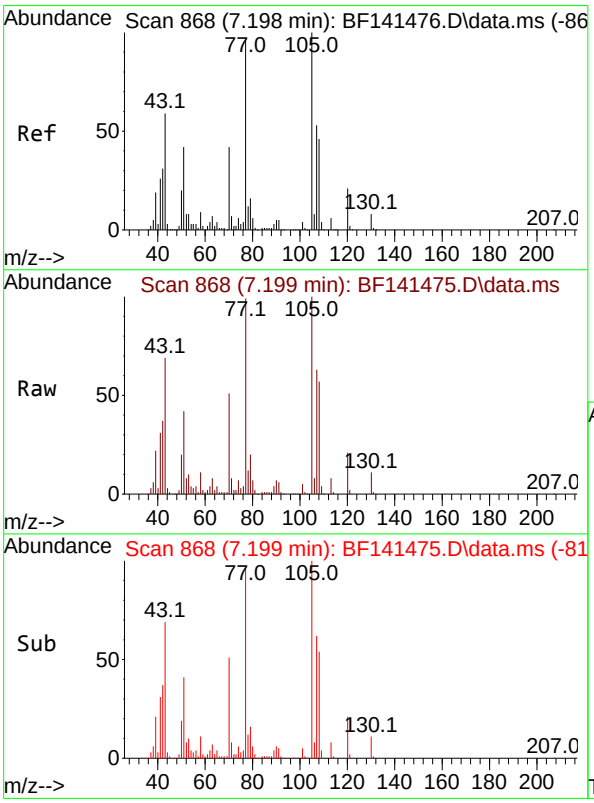

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:136 Resp: 348017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.6 | 13.0 |
| 54 | 9.2 | 7.2 | 10.8 |
| 68 | 4.8 | 3.7 | 5.5 |

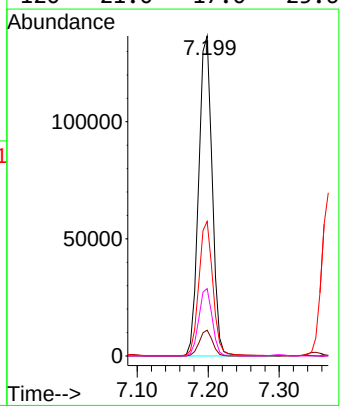


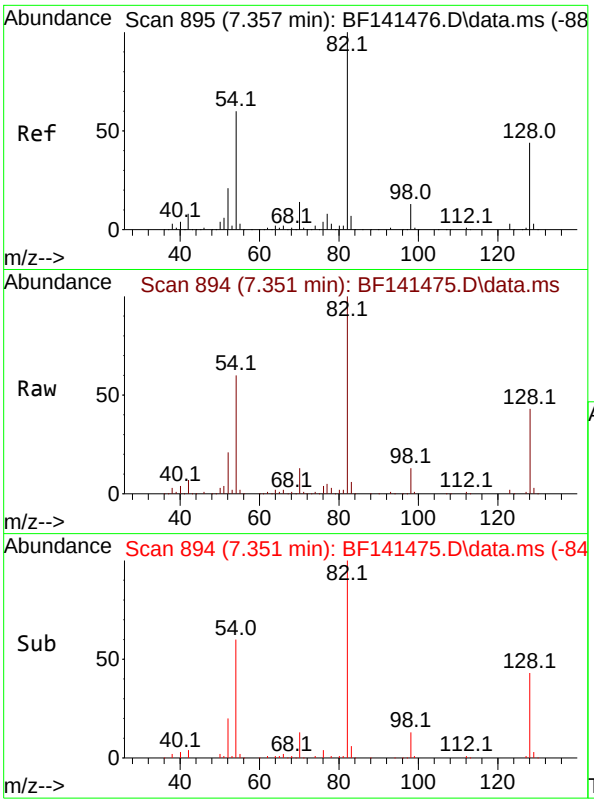




#22
Acetophenone
Concen: 20.946 ng
RT: 7.199 min Scan# 868
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:105 Resp: 181333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.0 | 5.7 | 8.5 |
| 51 | 42.0 | 33.7 | 50.5 |
| 120 | 21.0 | 17.0 | 25.6 |



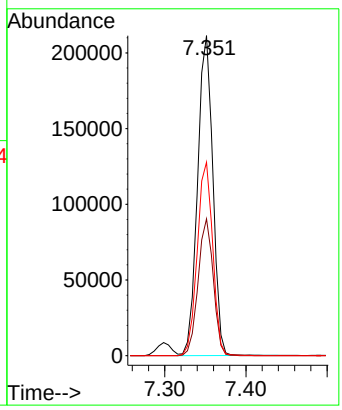


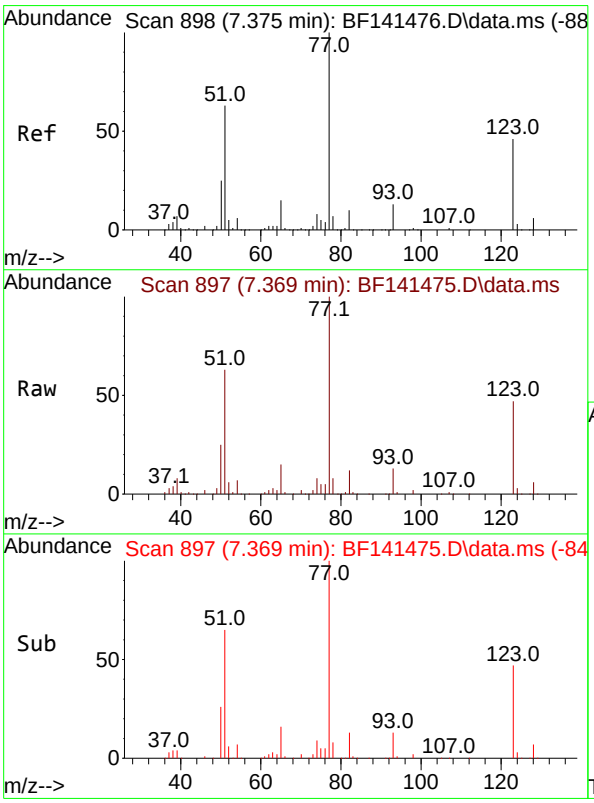

#23
Nitrobenzene-d5
Concen: 41.331 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion: 82 Resp: 275773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.7 | 34.8 | 52.2 |
| 54 | 60.5 | 48.2 | 72.4 |

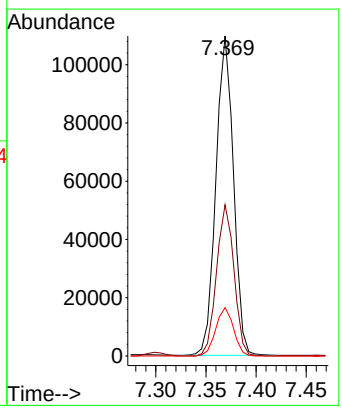


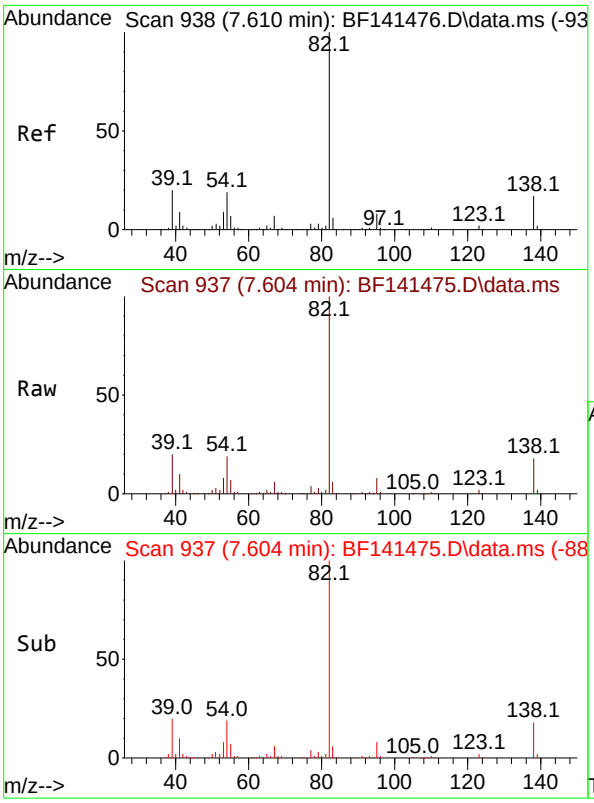




#24
Nitrobenzene
Concen: 20.485 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 77 Resp: 133285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.3 | 36.9 | 55.3 |
| 65 | 15.1 | 11.9 | 17.9 |



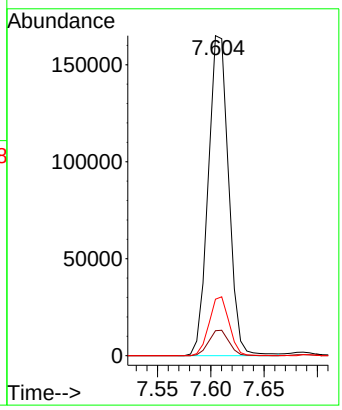


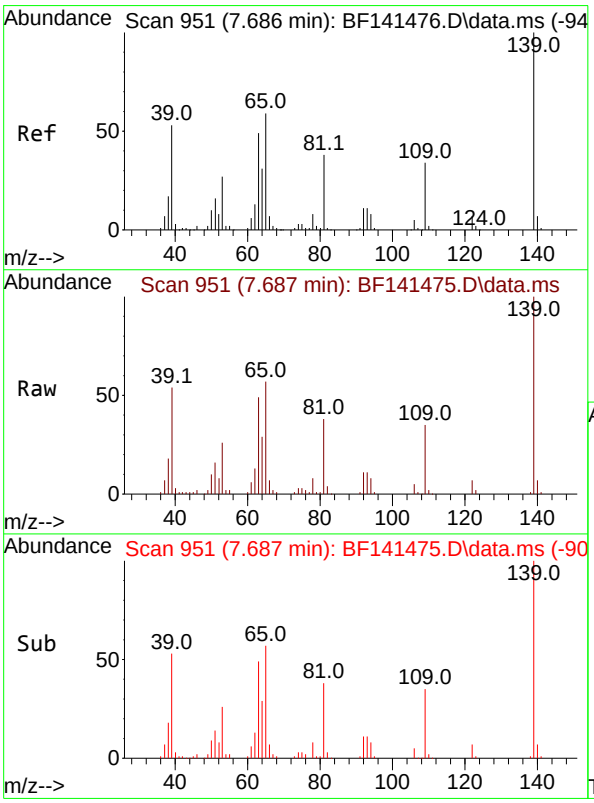

#25
Isophorone
Concen: 20.706 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion: 82 Resp: 220291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.8 | 6.4 | 9.6 |
| 138 | 17.6 | 13.9 | 20.9 |

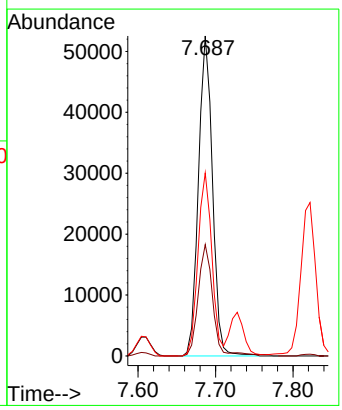


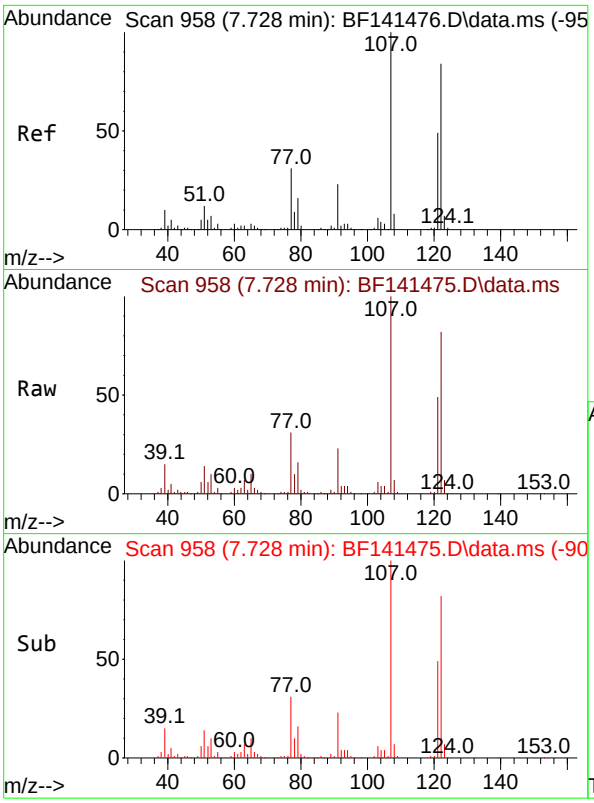




#26
2-Nitrophenol
Concen: 20.449 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:139 Resp: 66195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 34.8 | 27.0 | 40.6 |
| 65 | 57.2 | 47.1 | 70.7 |



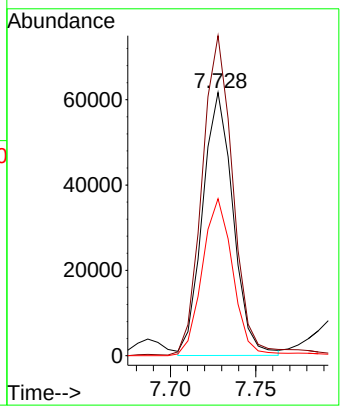


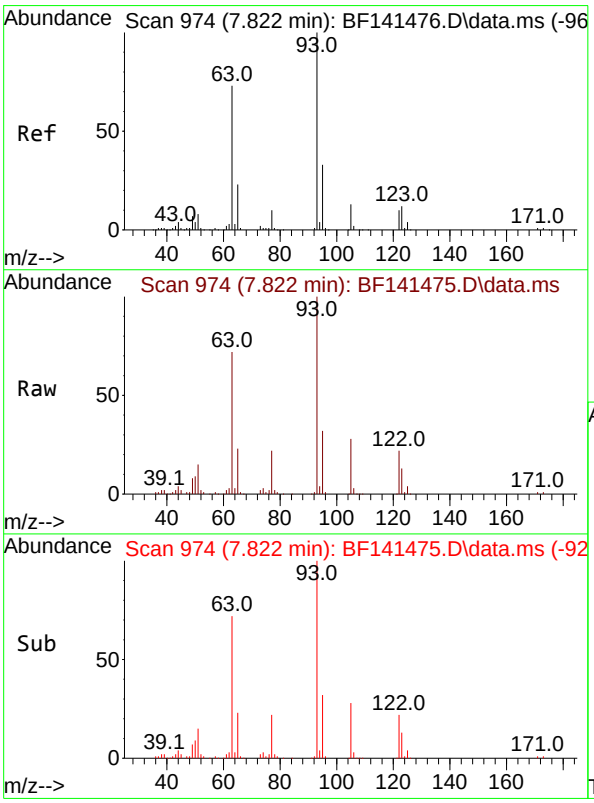

#27
2,4-Dimethylphenol
Concen: 20.296 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:122 Resp: 76751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 121.6 | 94.3 | 141.5 |
| 121 | 59.6 | 46.0 | 69.0 |

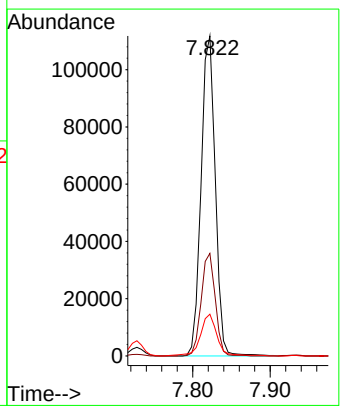


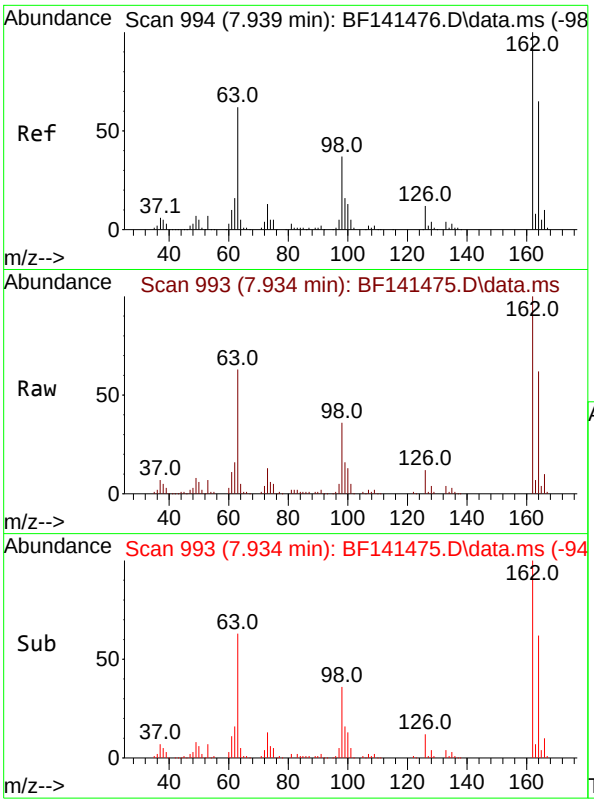




#28
bis(2-Chloroethoxy)methane
Concen: 20.852 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 93 Resp: 142151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.1 | 26.1 | 39.1 |
| 123 | 13.0 | 9.5 | 14.3 |



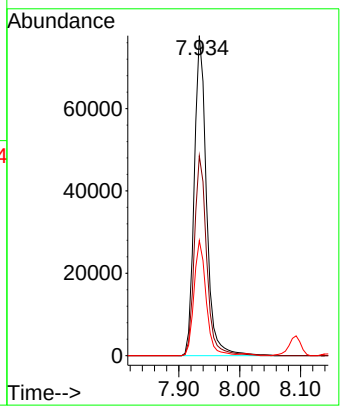


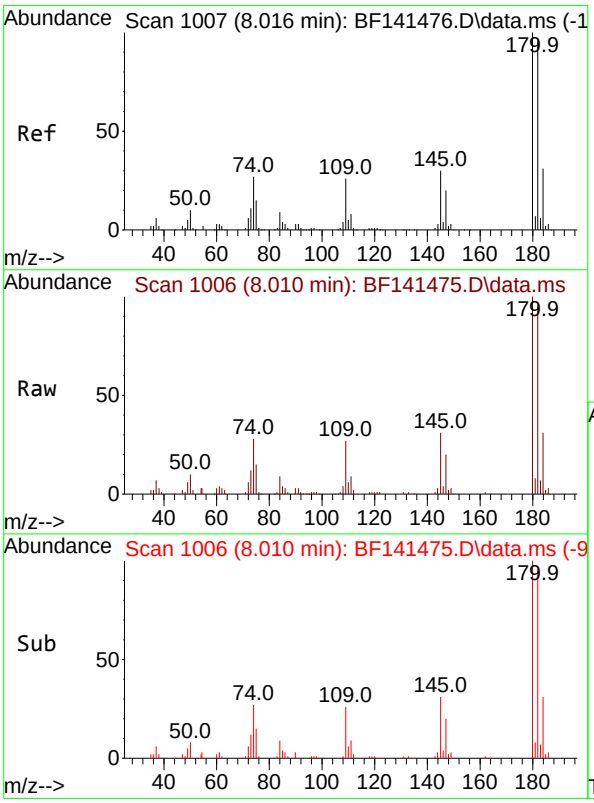

#29
2,4-Dichlorophenol
Concen: 21.227 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:162 Resp: 108456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 62.4 | 44.6 | 84.6 |
| 98 | 36.0 | 17.2 | 57.2 |

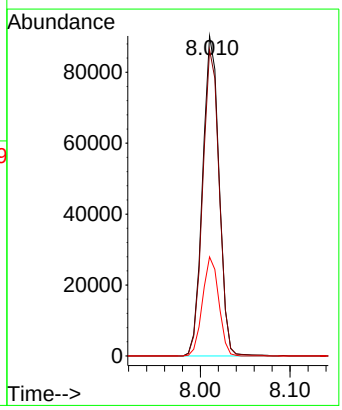


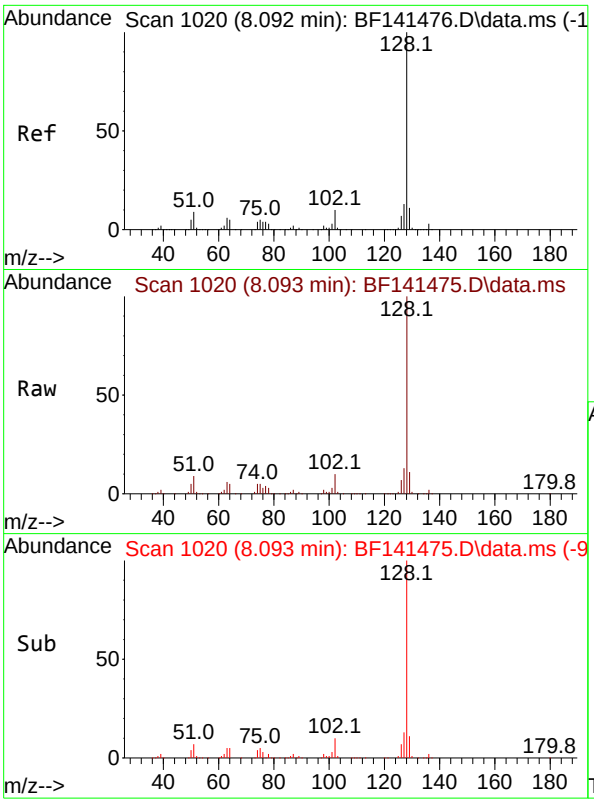




#30
1,2,4-Trichlorobenzene
Concen: 20.678 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:180 Resp: 115050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 76.8 | 115.2 |
| 145 | 31.0 | 24.2 | 36.4 |



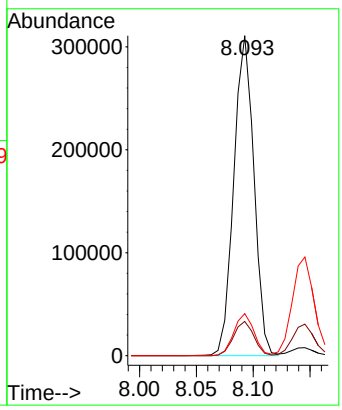


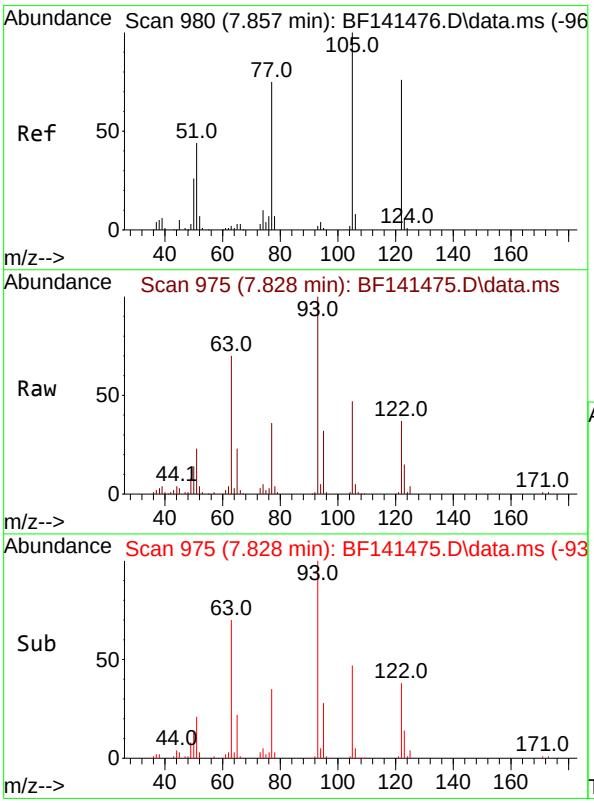

#31
Naphthalene
Concen: 21.062 ng
RT: 8.093 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:128 Resp: 381547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.7 | 8.9 | 13.3 |
| 127 | 13.2 | 10.7 | 16.1 |

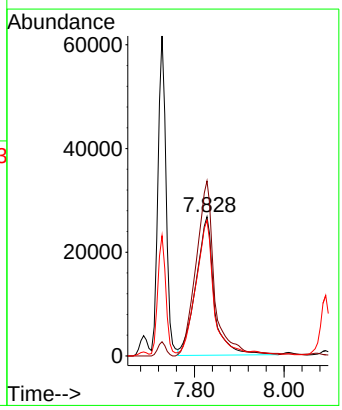


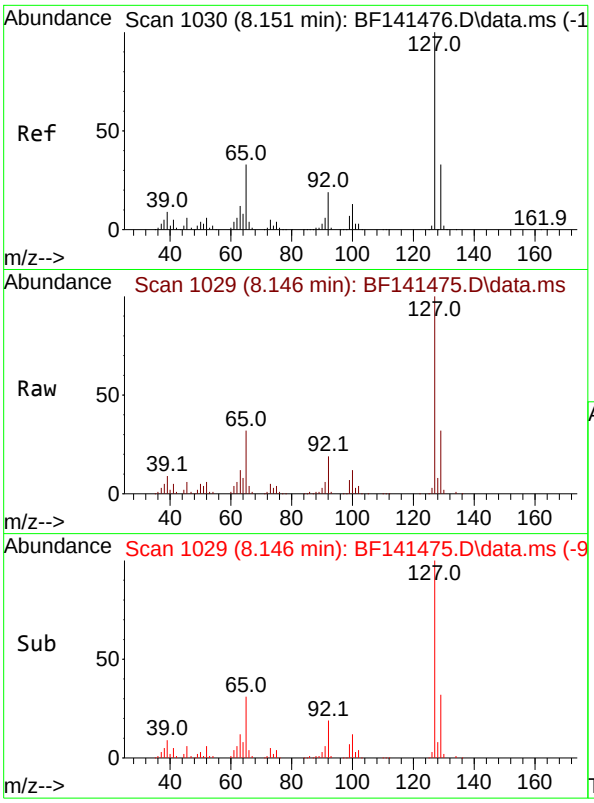




#32
Benzoic acid
Concen: 19.212 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.064 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:122 Resp: 75462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 125.8 | 106.5 | 146.5 |
| 77 | 97.6 | 76.3 | 116.3 |



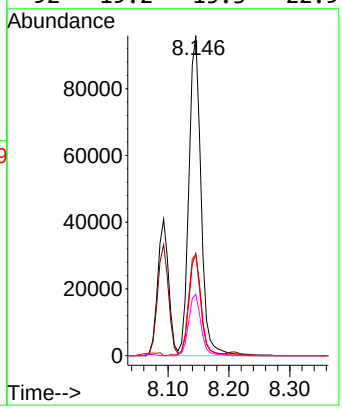


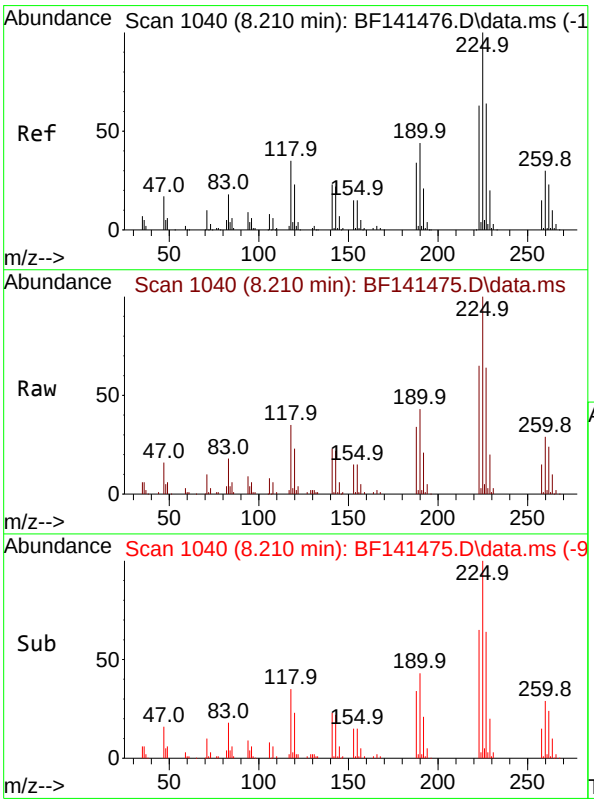

#33
4-Chloroaniline
Concen: 21.014 ng
RT: 8.146 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:127 Resp: 132911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.9 | 26.5 | 39.7 |
| 65 | 31.6 | 26.4 | 39.6 |
| 92 | 19.2 | 15.3 | 22.9 |

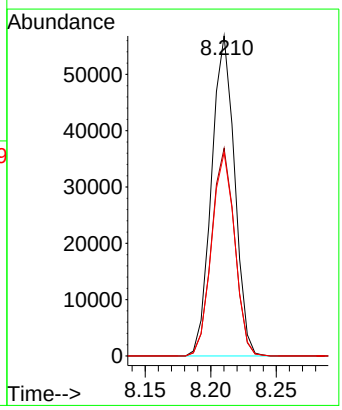


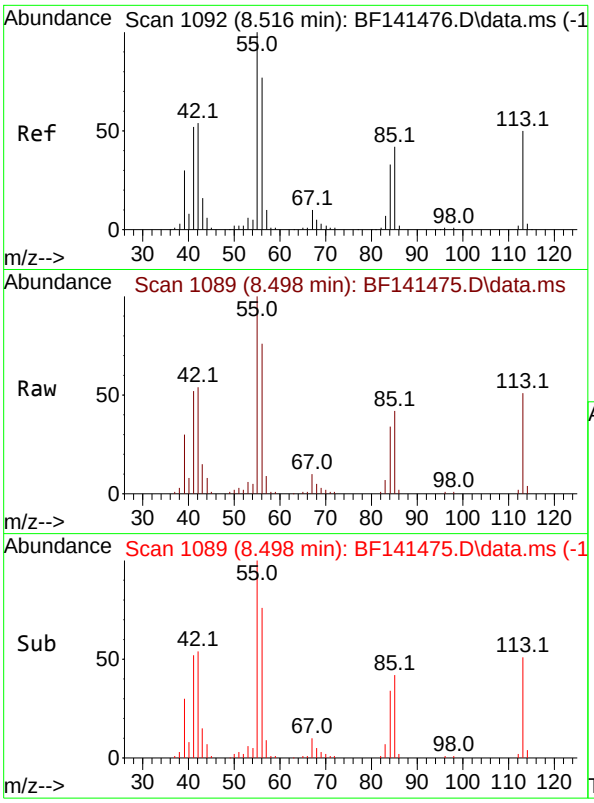




#34
Hexachlorobutadiene
Concen: 20.804 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:225 Resp: 69492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.9 | 50.1 | 75.1 |
| 227 | 63.5 | 51.0 | 76.6 |



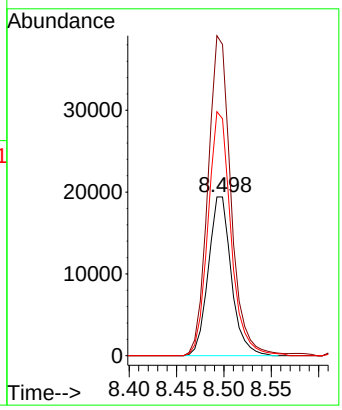


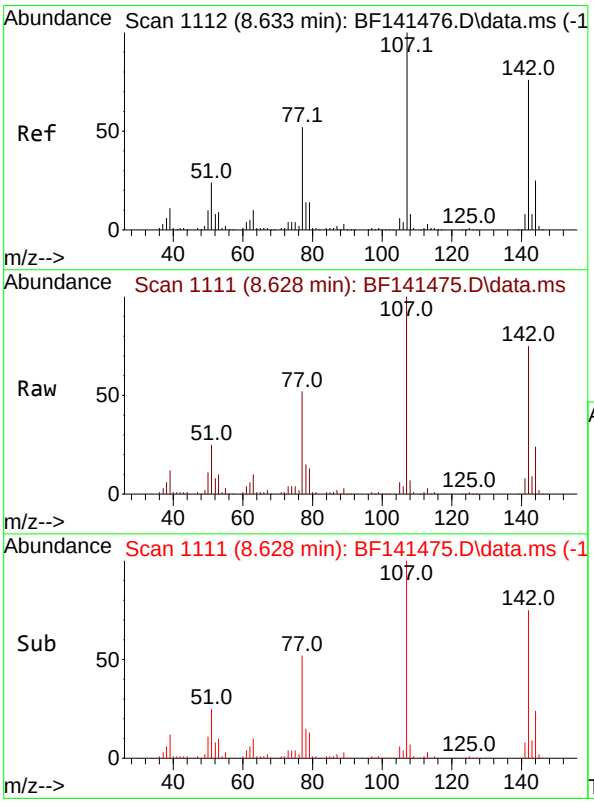

#35
Caprolactam
Concen: 21.050 ng
RT: 8.498 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:113 Resp: 32746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 196.0 | 180.8 | 220.8 |
| 56 | 149.2 | 133.6 | 173.6 |

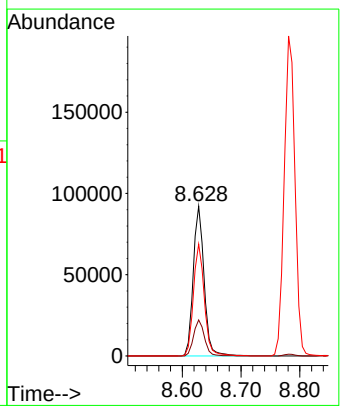


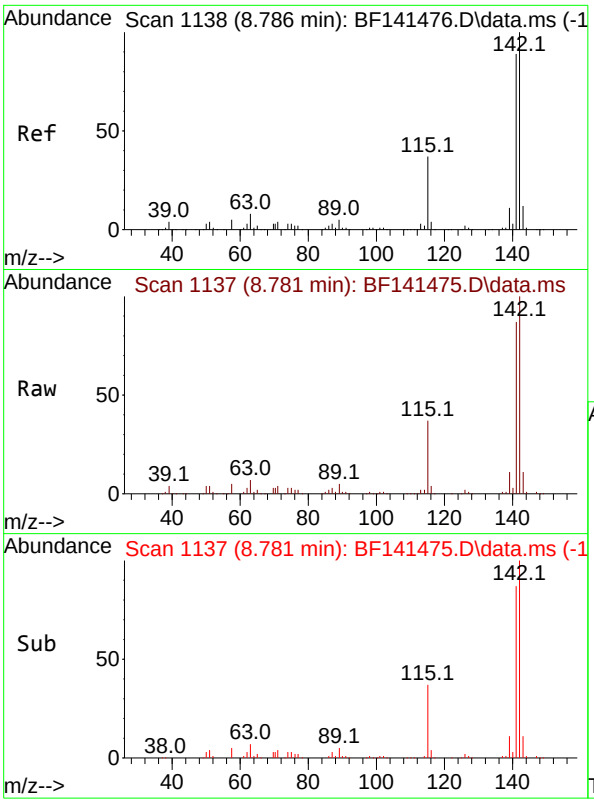




#36
4-Chloro-3-methylphenol
Concen: 21.029 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:107 Resp: 119021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.1 | 19.7 | 29.5 |
| 142 | 74.7 | 60.8 | 91.2 |



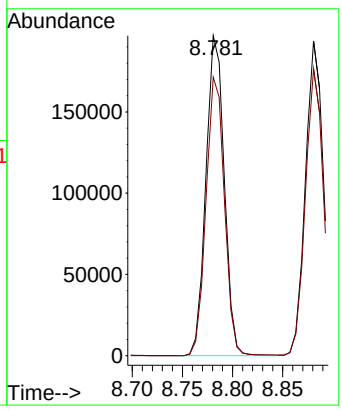


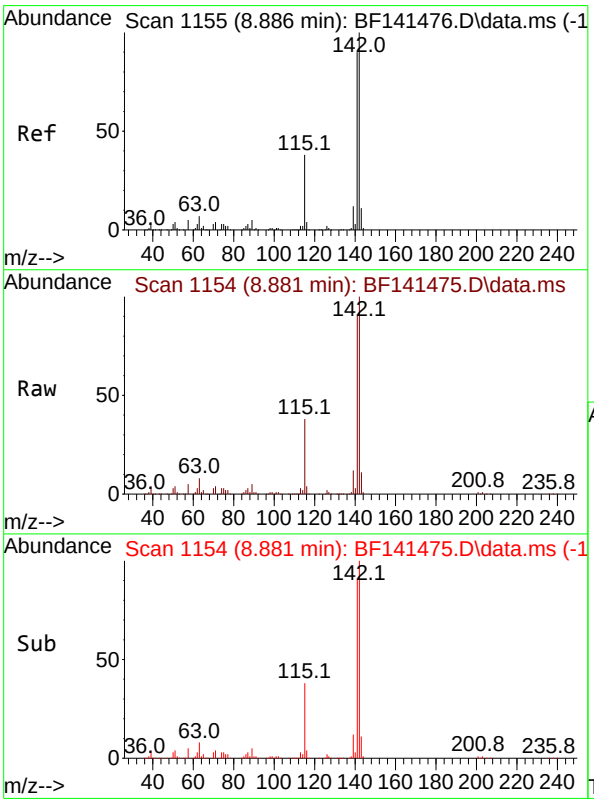

#37
2-Methylnaphthalene
Concen: 21.238 ng
RT: 8.781 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:142 Resp: 250365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.0 | 71.2 | 106.8 |

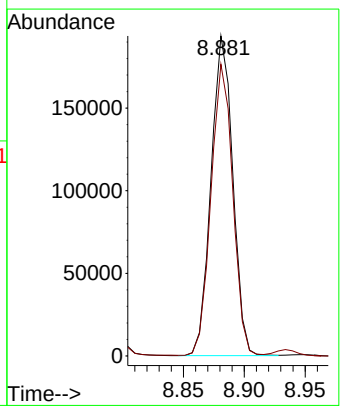


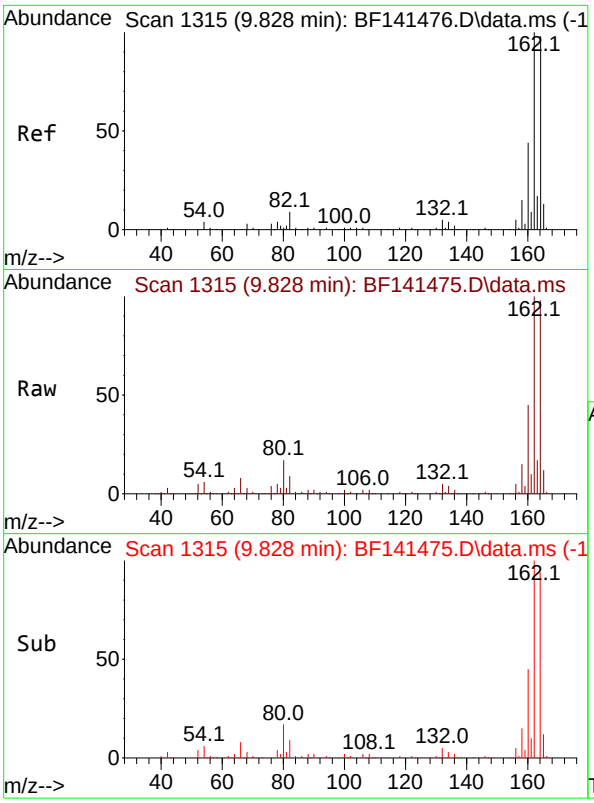




#38
1-Methylnaphthalene
Concen: 21.056 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:142 Resp: 240408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.1 | 72.1 | 108.1 |



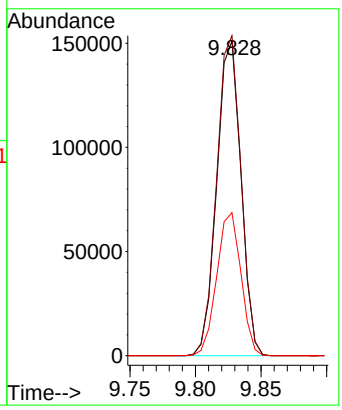


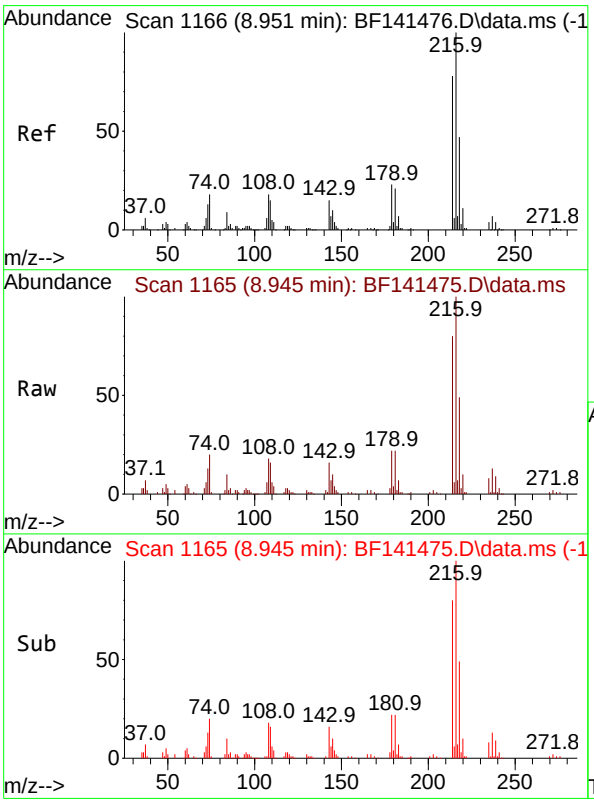

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:164 Resp: 193091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.7 | 81.3 | 121.9 |
| 160 | 45.5 | 35.9 | 53.9 |

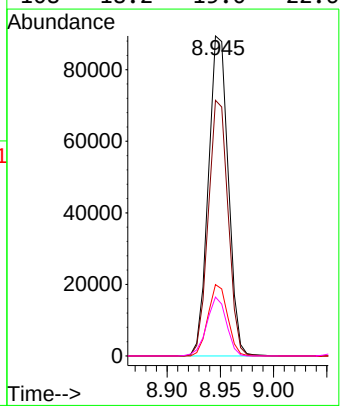


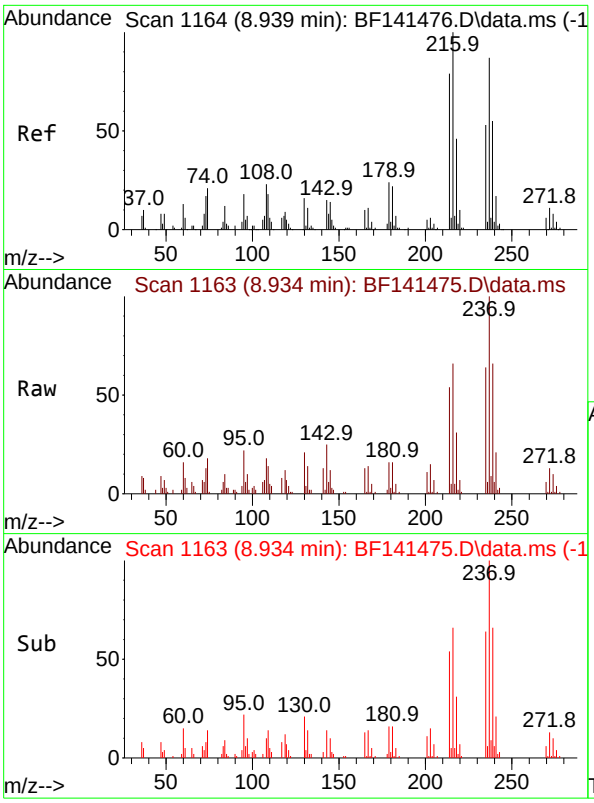




#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.753 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:216 Resp: 115936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.3 | 62.3 | 93.5 |
| 179 | 21.9 | 18.0 | 27.0 |
| 108 | 18.2 | 15.0 | 22.6 |



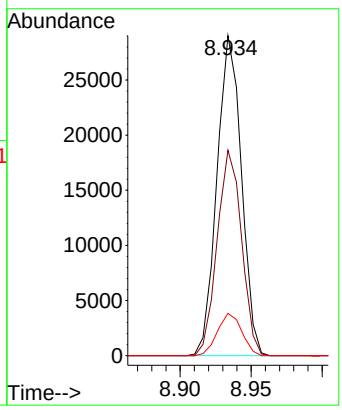


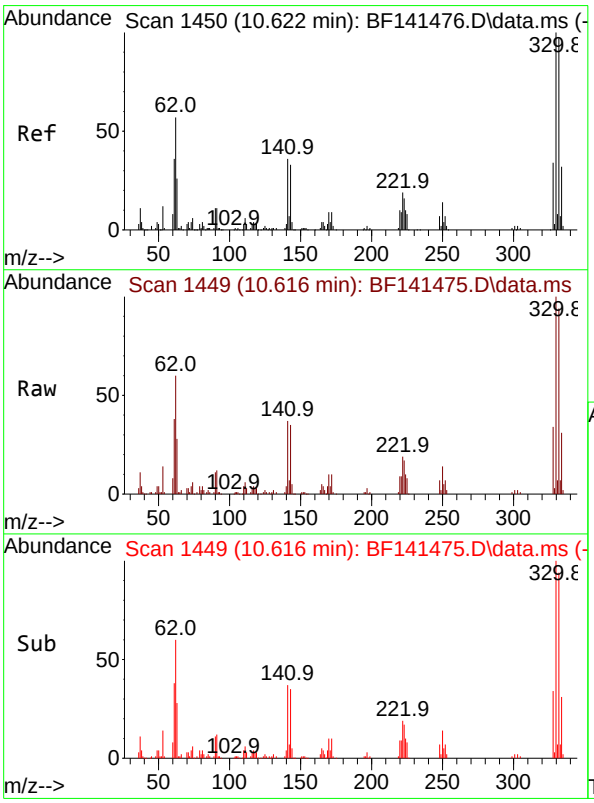

#41
Hexachlorocyclopentadiene
Concen: 18.691 ng
RT: 8.934 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:237 Resp: 34729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 64.2 | 41.4 | 81.4 |
| 272 | 13.2 | 0.0 | 32.4 |

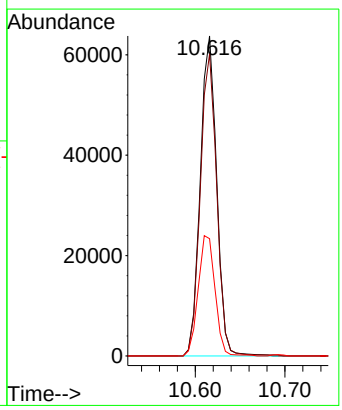


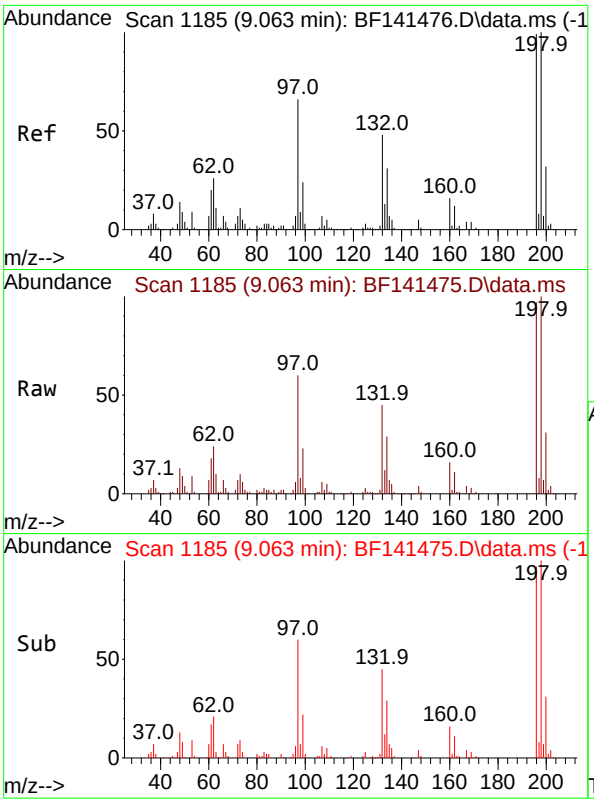




#42
2,4,6-Tribromophenol
Concen: 41.714 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:330 Resp: 80912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.7 | 78.5 | 117.7 |
| 141 | 38.7 | 31.0 | 46.4 |



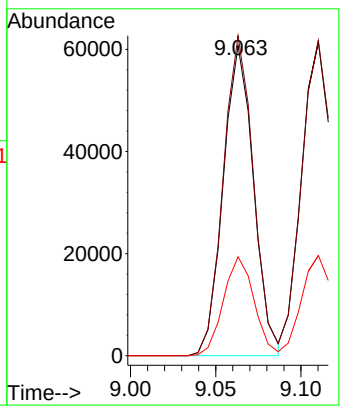


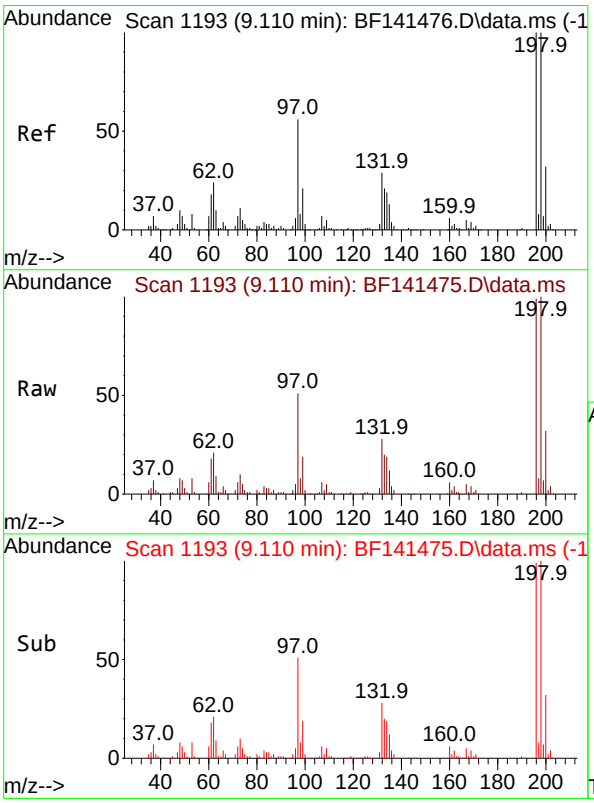

#43
2,4,6-Trichlorophenol
Concen: 20.817 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:196 Resp: 75161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 103.2 | 80.6 | 121.0 |
| 200 | 31.9 | 25.5 | 38.3 |

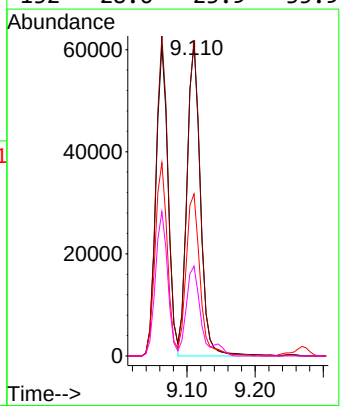


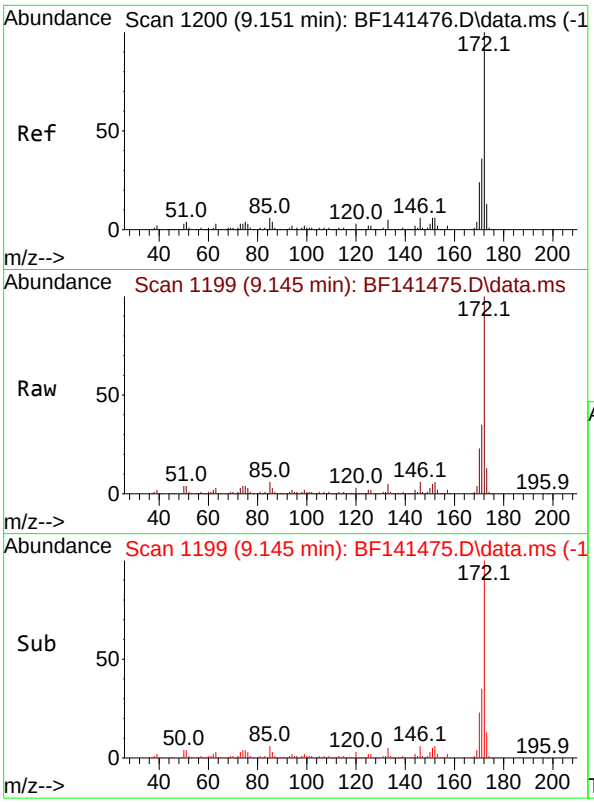




#44
2,4,5-Trichlorophenol
Concen: 21.240 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:196 Resp: 83112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.6 | 79.8 | 119.8 |
| 97 | 51.7 | 44.8 | 67.2 |
| 132 | 28.6 | 23.9 | 35.9 |



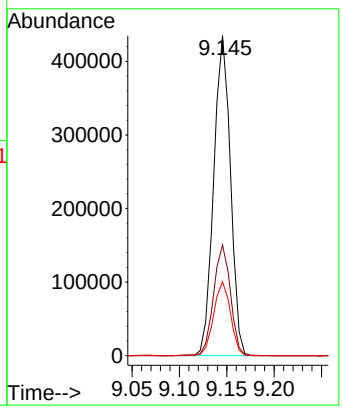


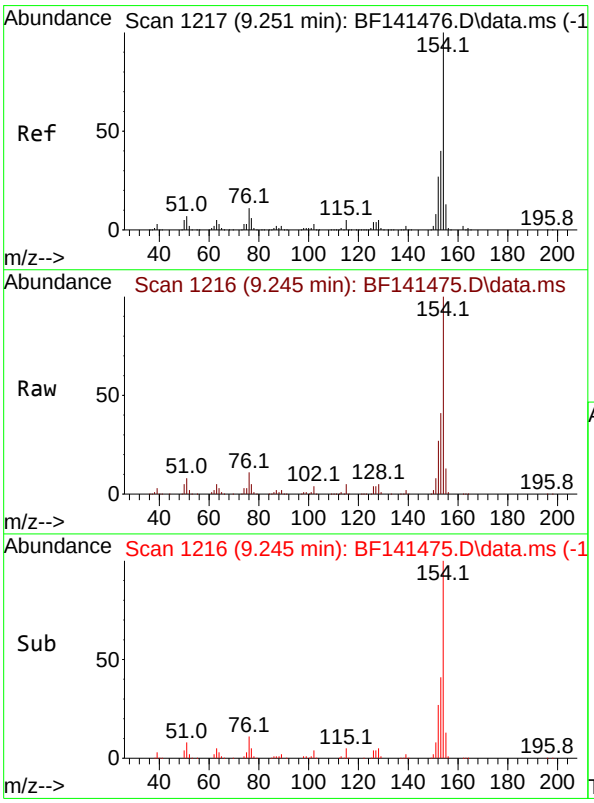

#45
2-Fluorobiphenyl
Concen: 42.674 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:172 Resp: 534841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.6 | 28.7 | 43.1 |
| 170 | 23.1 | 18.9 | 28.3 |

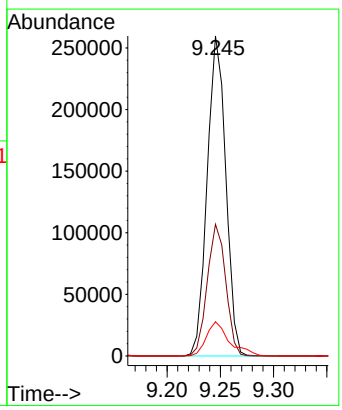


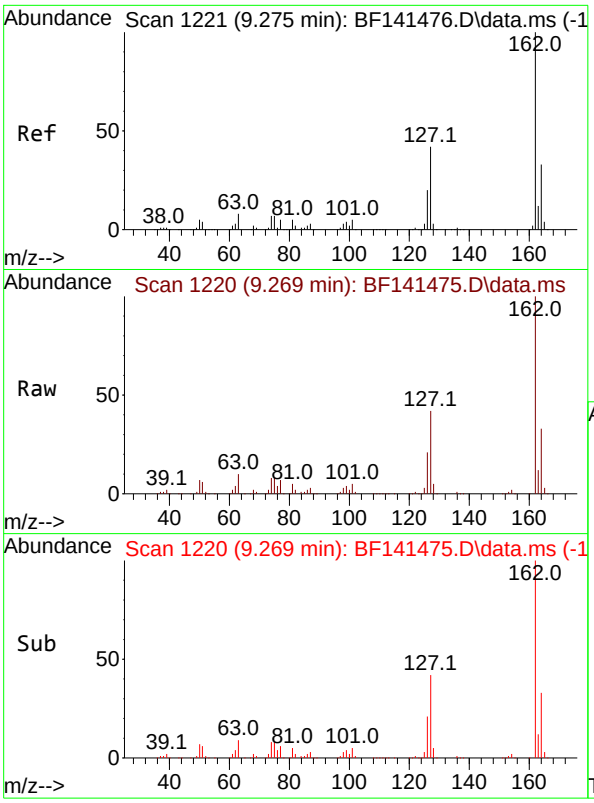




#46
1,1'-Biphenyl
Concen: 21.045 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:154 Resp: 315040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.2 | 20.4 | 60.4 |
| 76 | 10.7 | 0.0 | 30.8 |



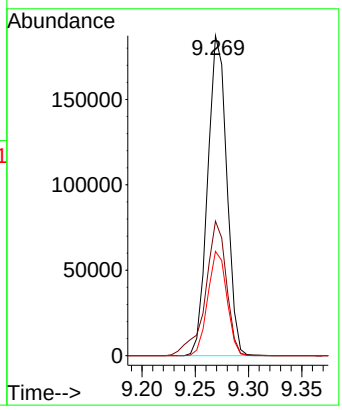


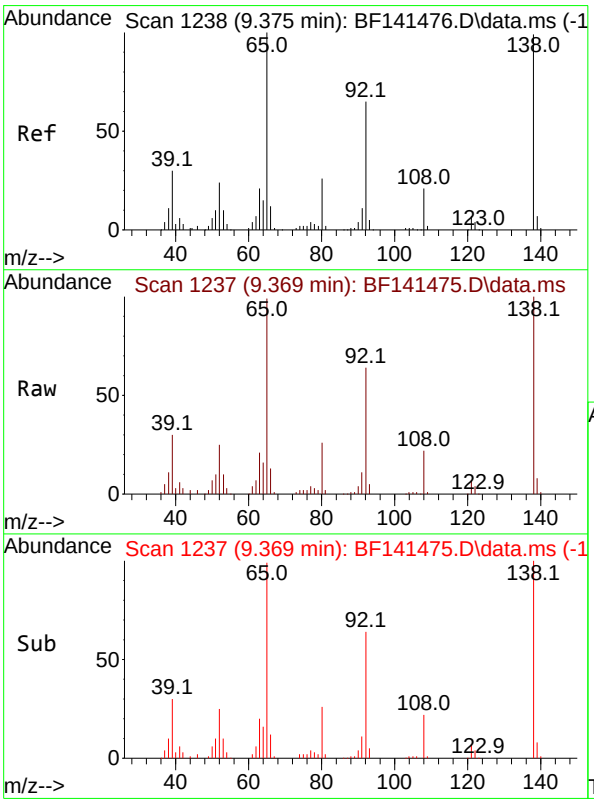

#47
2-Chloronaphthalene
Concen: 21.119 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:162 Resp: 233789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.1 | 34.1 | 51.1 |
| 164 | 32.6 | 26.3 | 39.5 |

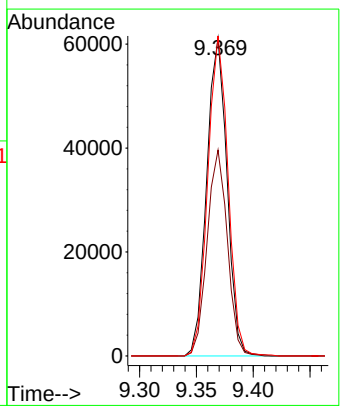


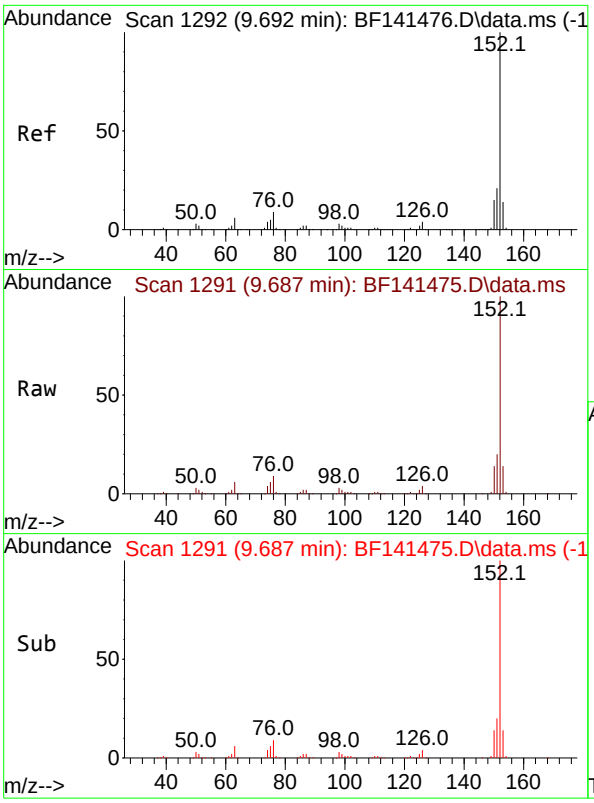




#48
2-Nitroaniline
Concen: 20.455 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 65 Resp: 75990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 64.8 | 52.2 | 78.2 |
| 138 | 100.7 | 79.5 | 119.3 |



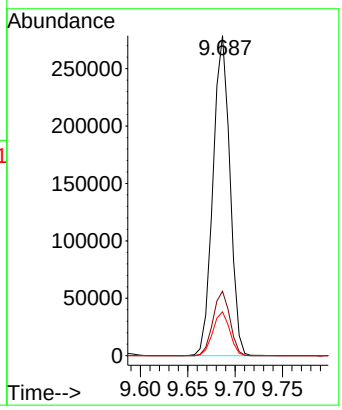


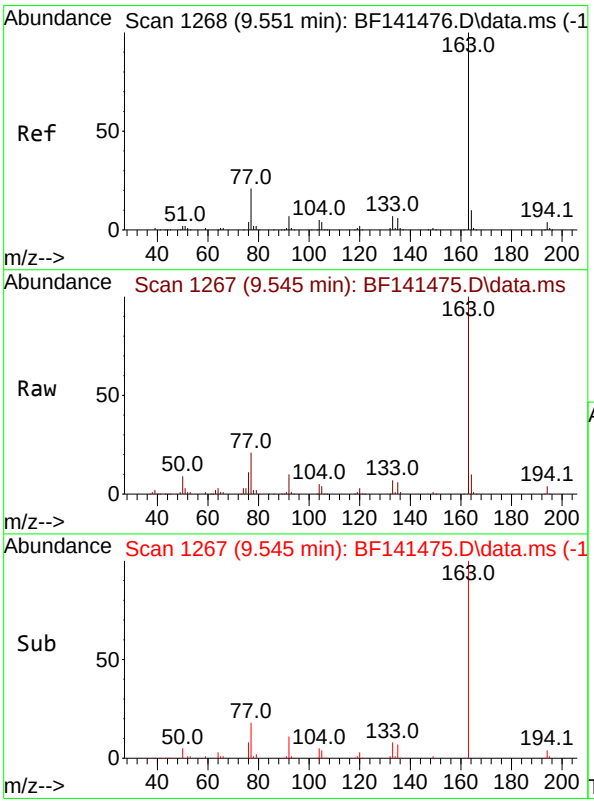

#49
Acenaphthylene
Concen: 21.004 ng
RT: 9.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:152 Resp: 345829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 16.4 | 24.6 |
| 153 | 13.7 | 10.9 | 16.3 |

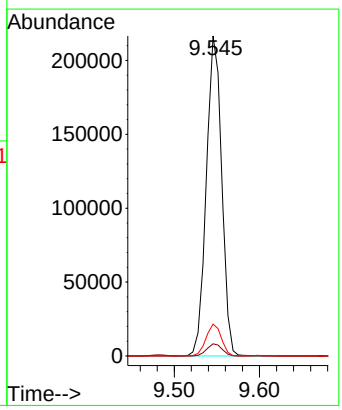


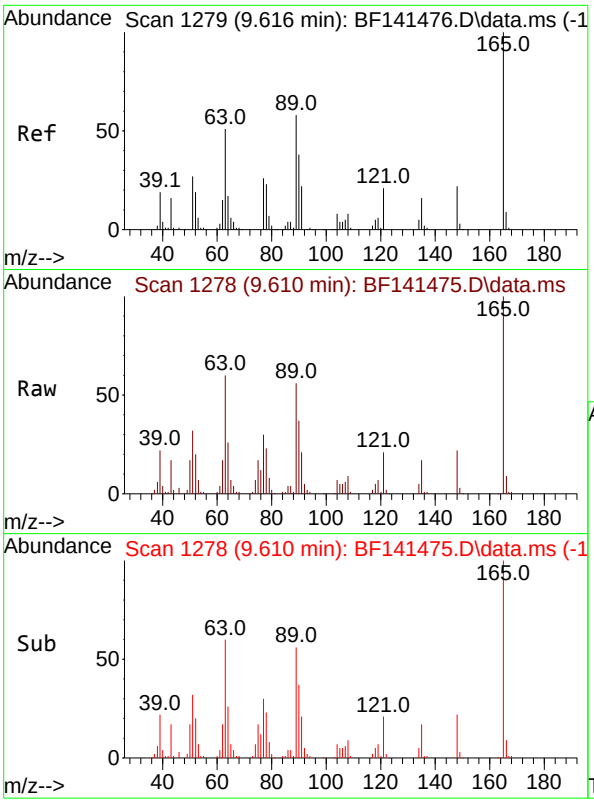




#50
Dimethylphthalate
Concen: 20.744 ng
RT: 9.545 min Scan# 1267
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:163 Resp: 271920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.4 |
| 164 | 10.0 | 7.9 | 11.9 |



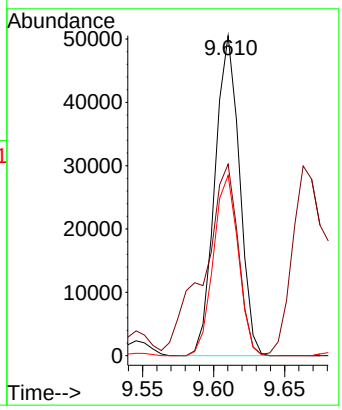


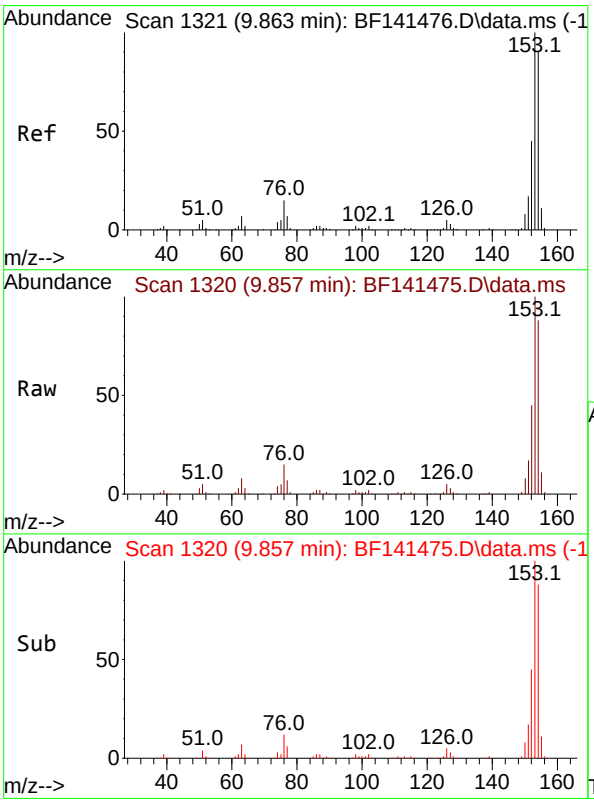

#51
2,6-Dinitrotoluene
Concen: 21.182 ng
RT: 9.610 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:165 Resp: 60700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 59.8 | 49.4 | 74.0 |
| 89 | 56.3 | 46.5 | 69.7 |

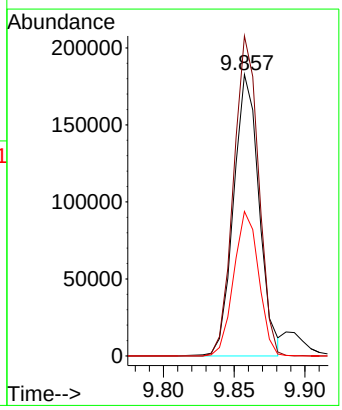


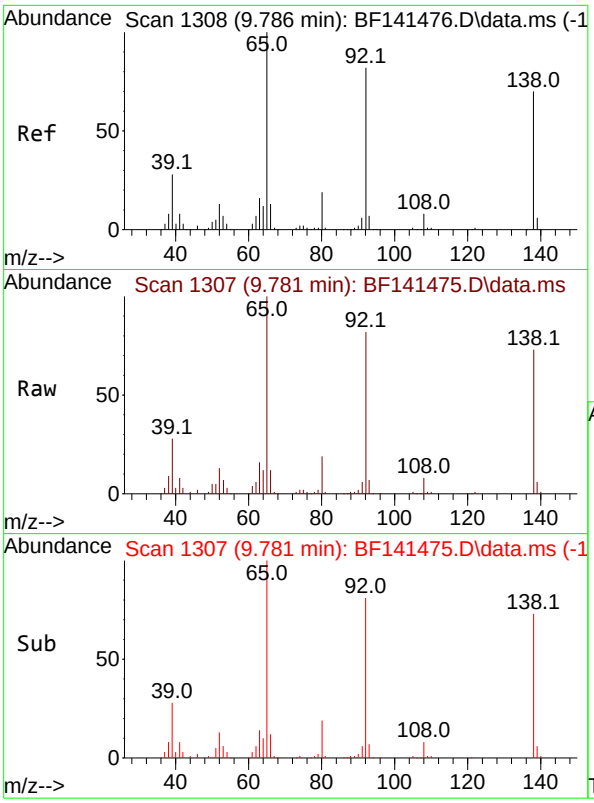




#52
Acenaphthene
Concen: 20.728 ng m
RT: 9.857 min Scan# 1320
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:154 Resp: 229442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.7 | 89.2 | 133.8 |
| 152 | 51.3 | 39.8 | 59.8 |



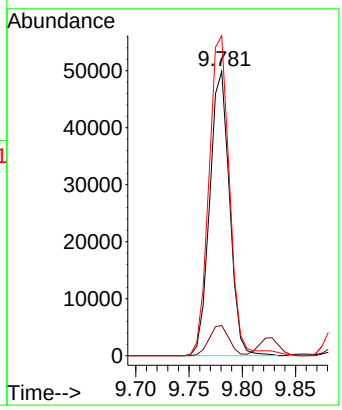


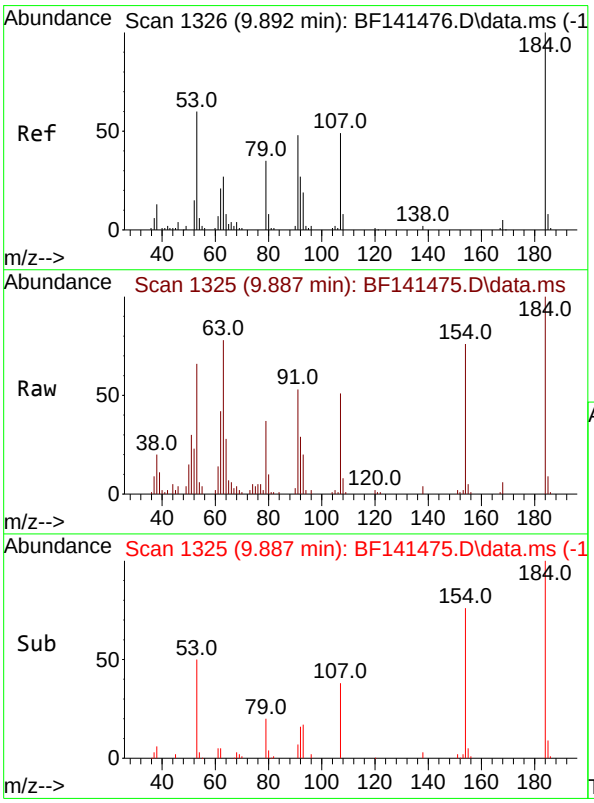

#53
3-Nitroaniline
Concen: 20.954 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:138 Resp: 64626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.6 | 9.0 | 13.4 |
| 92 | 112.5 | 93.7 | 140.5 |

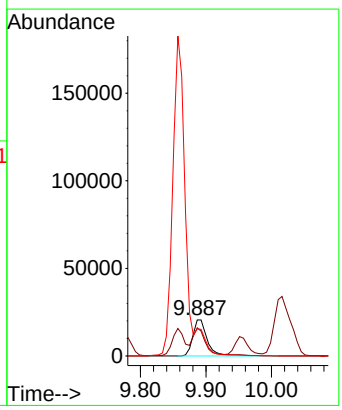


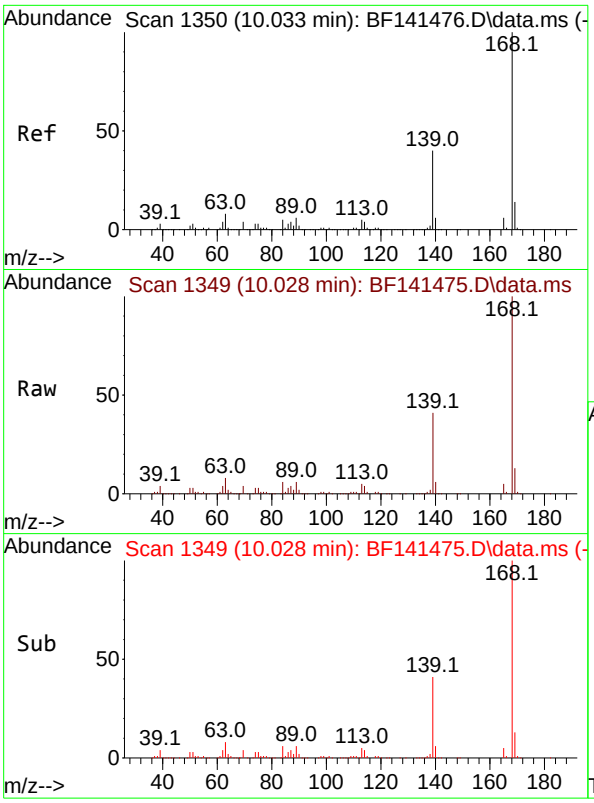




#54
2,4-Dinitrophenol
Concen: 18.898 ng
RT: 9.887 min Scan# 1325
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:184 Resp: 32186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 78.3 | 61.0 | 91.6 |
| 154 | 75.8 | 59.9 | 89.9 |



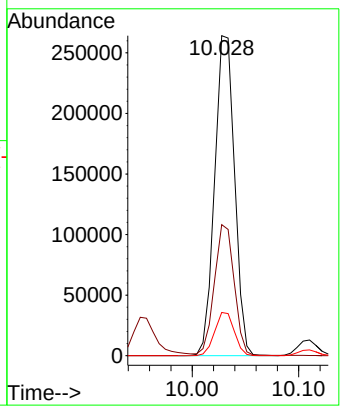


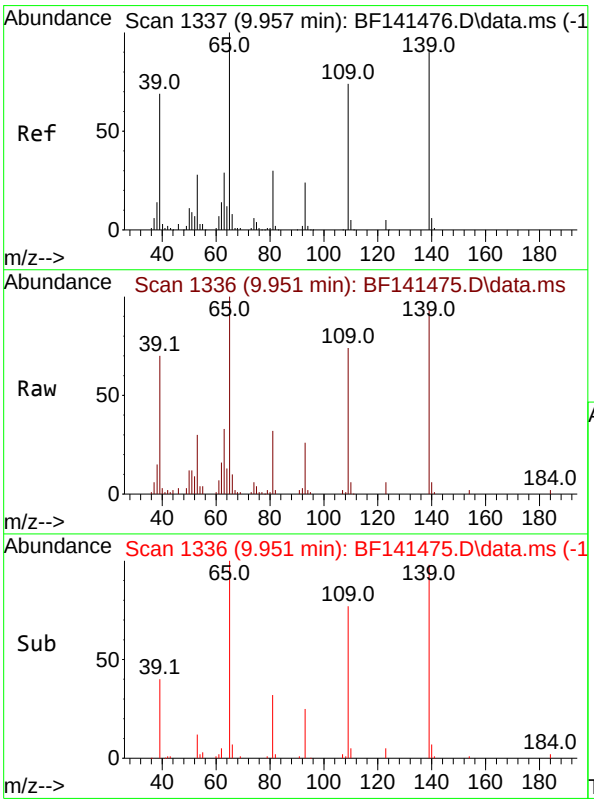

#55
Dibenzofuran
Concen: 21.087 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:168 Resp: 342620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.9 | 32.7 | 49.1 |
| 169 | 13.5 | 10.8 | 16.2 |

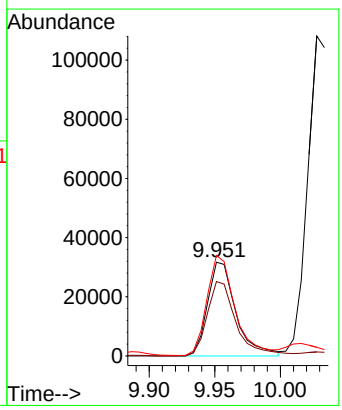


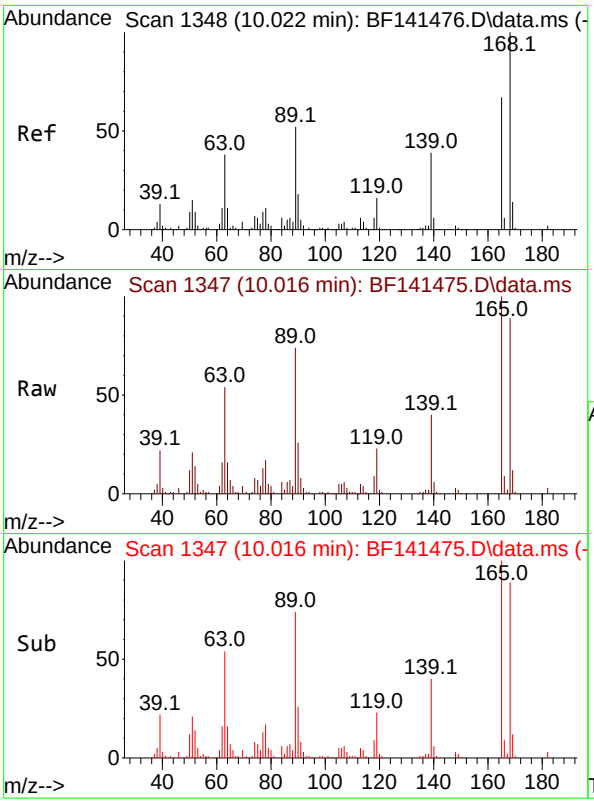




#56
4-Nitrophenol
Concen: 20.843 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.018 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:139 Resp: 47721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 79.3 | 62.0 | 102.0 |
| 65 | 107.1 | 91.2 | 131.2 |



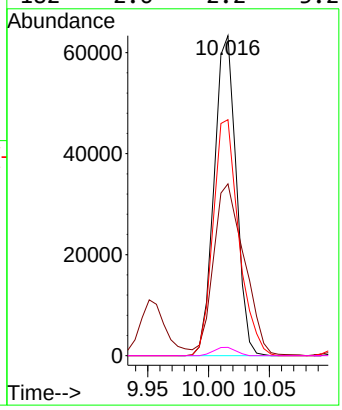


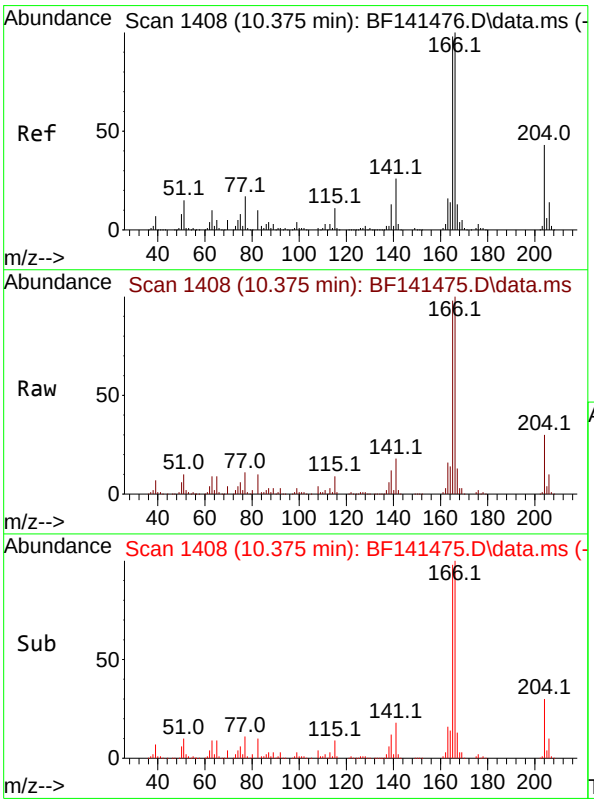

#57
2,4-Dinitrotoluene
Concen: 20.936 ng
RT: 10.016 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:165 Resp: 79865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.7 | 46.4 | 69.6 |
| 89 | 73.8 | 61.8 | 92.6 |
| 182 | 2.6 | 2.2 | 3.2 |

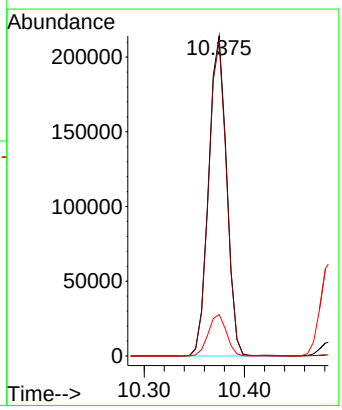


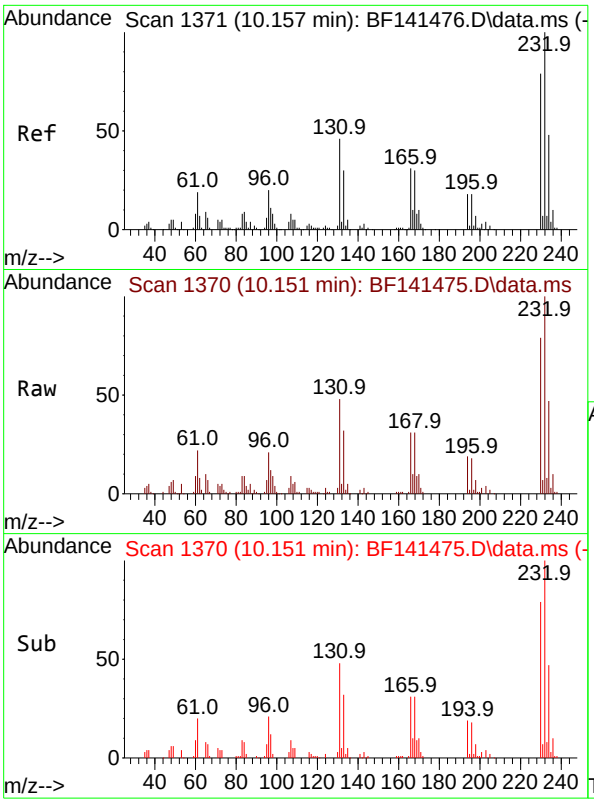




#58
Fluorene
Concen: 21.159 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:166 Resp: 265810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.1 | 78.2 | 117.2 |
| 167 | 13.0 | 10.7 | 16.1 |



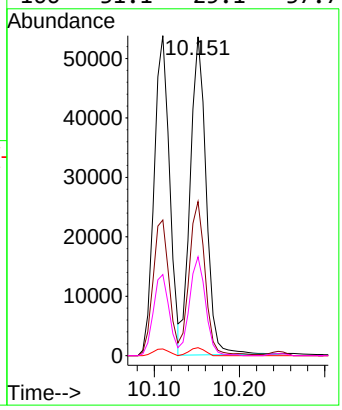


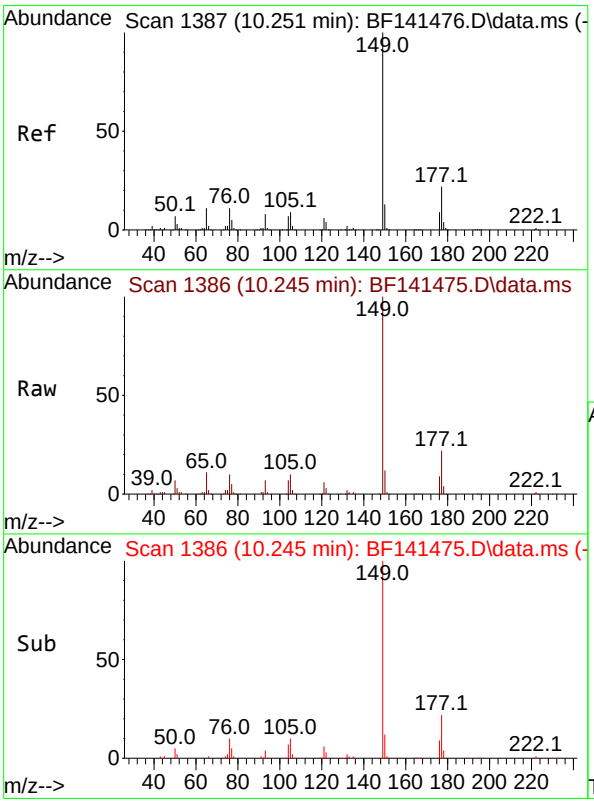

#59
2,3,4,6-Tetrachlorophenol
Concen: 20.579 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:232 Resp: 69328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 49.0 | 39.2 | 58.8 |
| 130 | 2.4 | 2.1 | 3.1 |
| 166 | 31.1 | 25.1 | 37.7 |

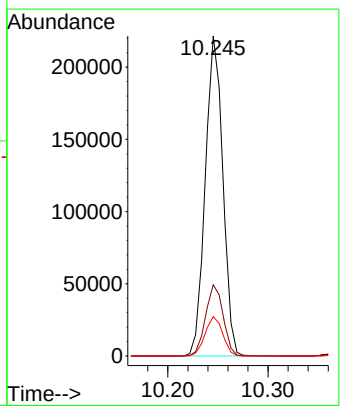


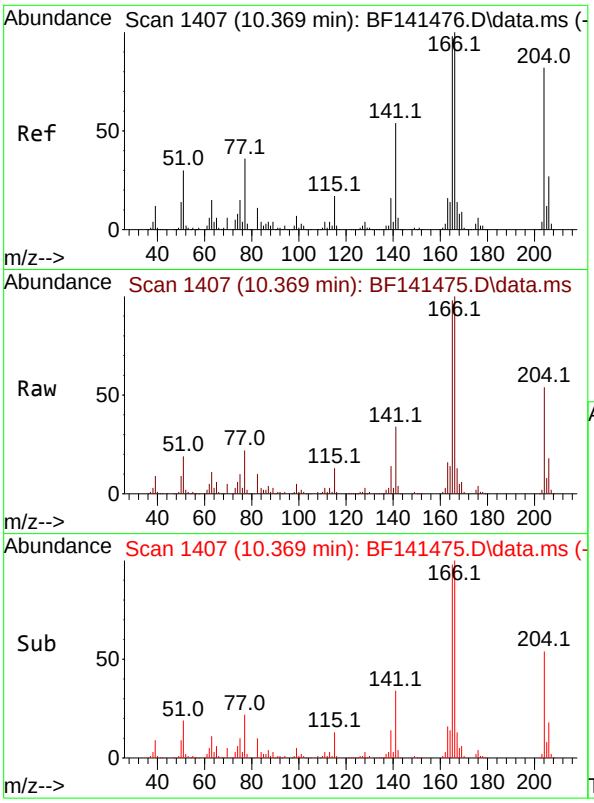




#60
Diethylphthalate
Concen: 20.936 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:149 Resp: 270018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.2 | 17.8 | 26.6 |
| 150 | 12.3 | 10.1 | 15.1 |



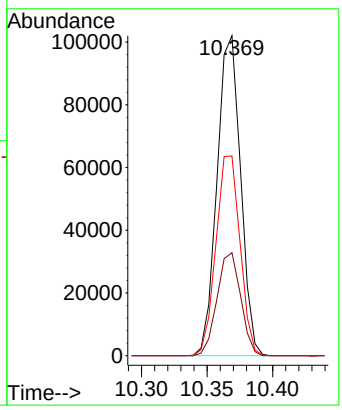


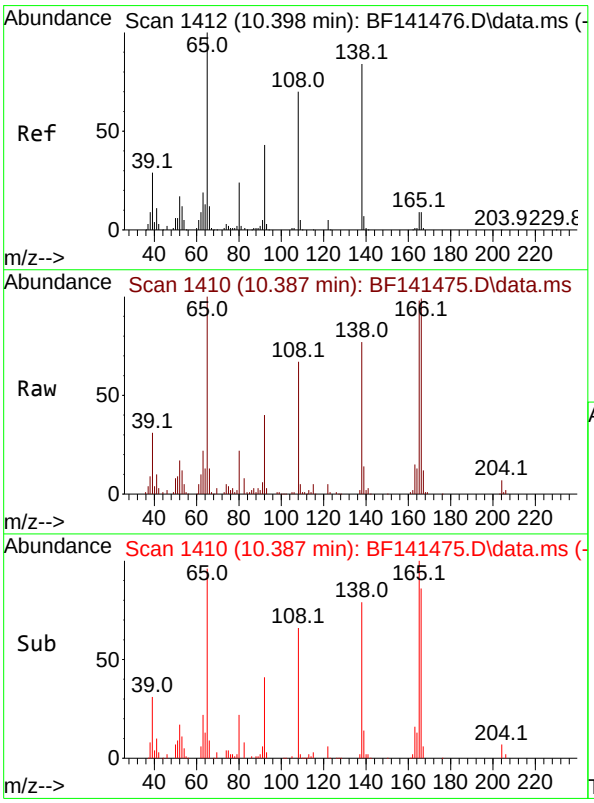

#61
4-Chlorophenyl-phenylether
Concen: 21.049 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:204 Resp: 127216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.2 | 26.6 | 40.0 |
| 141 | 62.4 | 51.9 | 77.9 |

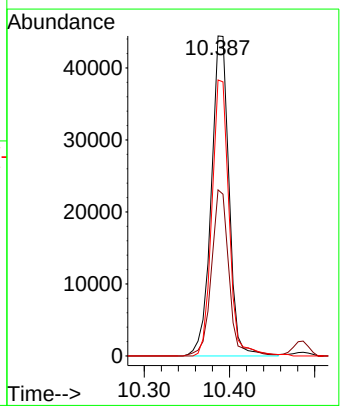


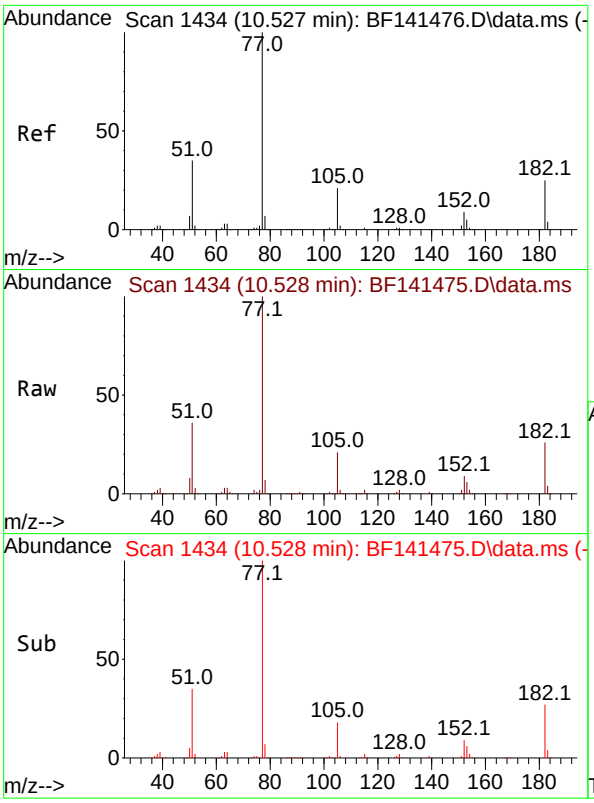




#62
4-Nitroaniline
Concen: 20.519 ng
RT: 10.387 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:138 Resp: 64262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.9 | 31.3 | 71.3 |
| 108 | 86.2 | 63.7 | 103.7 |



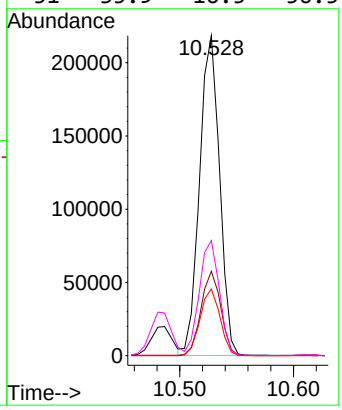


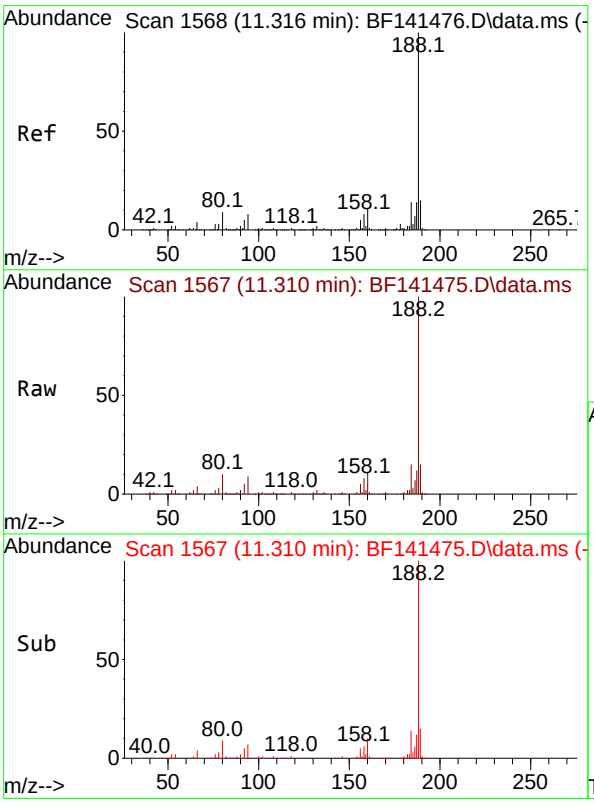

#63
Azobenzene
Concen: 20.853 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion: 77 Resp: 267372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.4 | 4.7 | 44.7 |
| 105 | 20.9 | 0.4 | 40.4 |
| 51 | 35.9 | 16.5 | 56.5 |

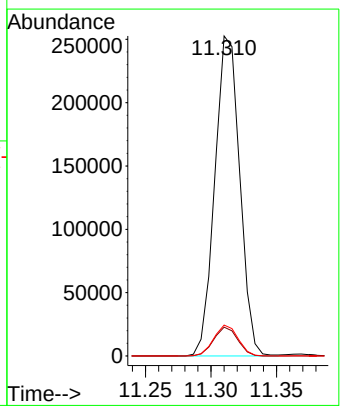


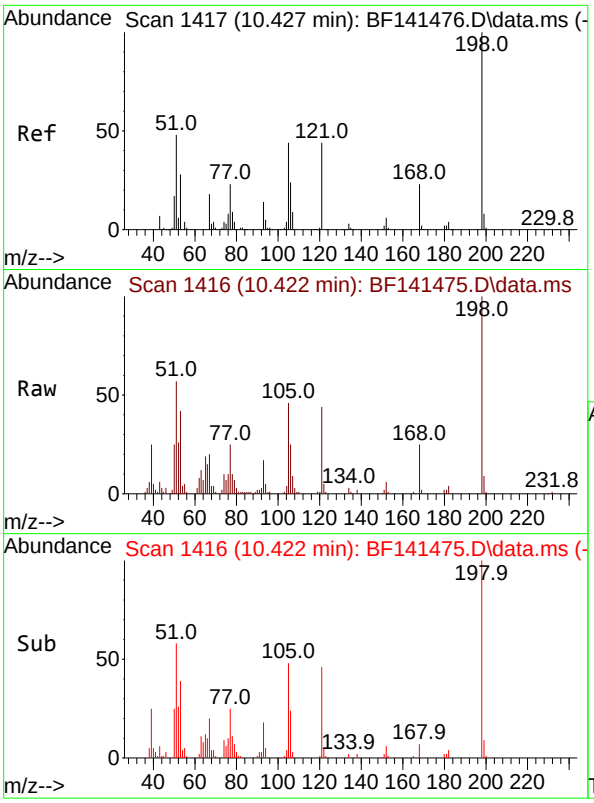




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:188 Resp: 333651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.0 | 6.6 | 10.0 |
| 80 | 9.7 | 7.3 | 10.9 |



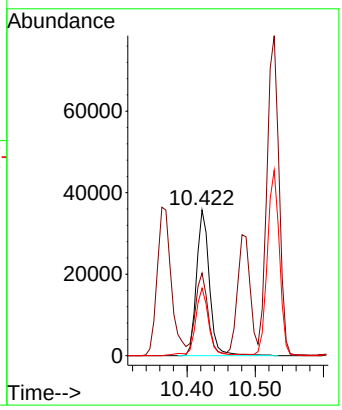


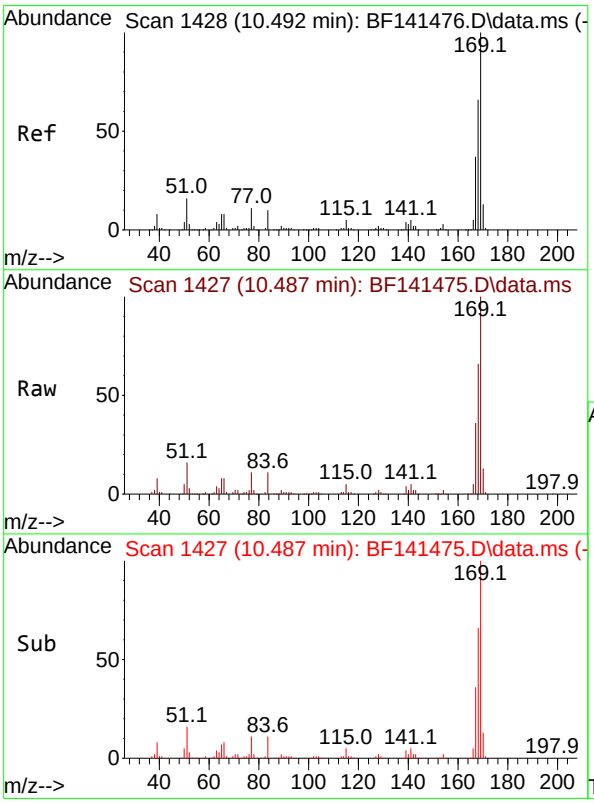

#65
4,6-Dinitro-2-methylphenol
Concen: 20.226 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:198 Resp: 46877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 56.7 | 37.4 | 77.4 |
| 105 | 46.4 | 25.2 | 65.2 |

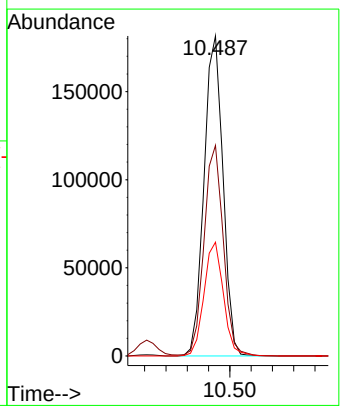


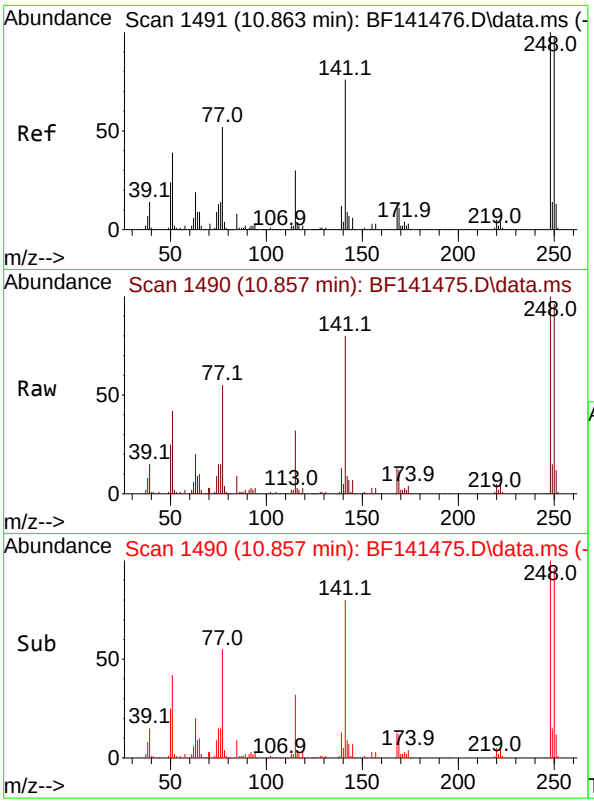




#66
n-Nitrosodiphenylamine
Concen: 21.045 ng
RT: 10.487 min Scan# 1427
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:169 Resp: 224776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.8 | 53.3 | 79.9 |
| 167 | 35.6 | 29.4 | 44.2 |



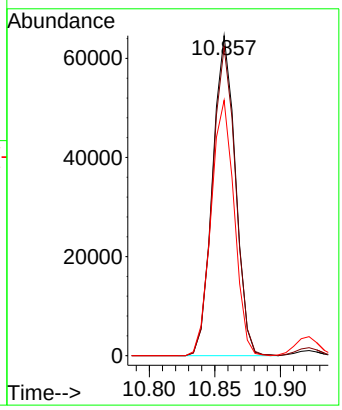


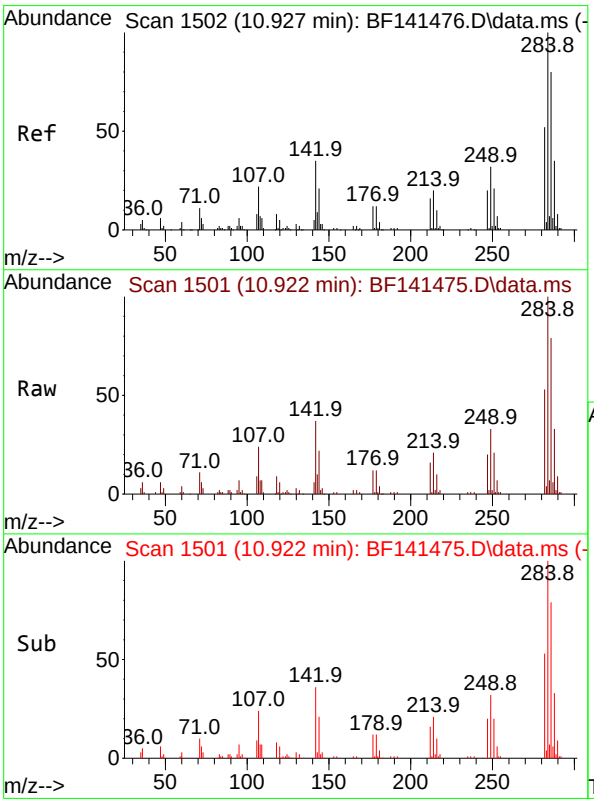

#67
4-Bromophenyl-phenylether
Concen: 20.962 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:248 Resp: 78167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.5 | 77.8 | 116.6 |
| 141 | 79.8 | 60.6 | 90.8 |

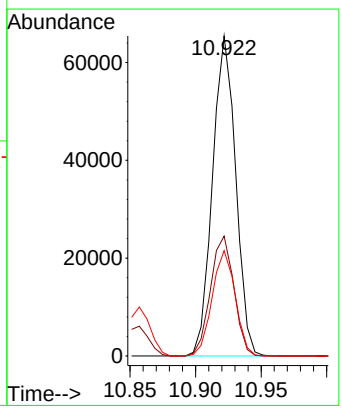


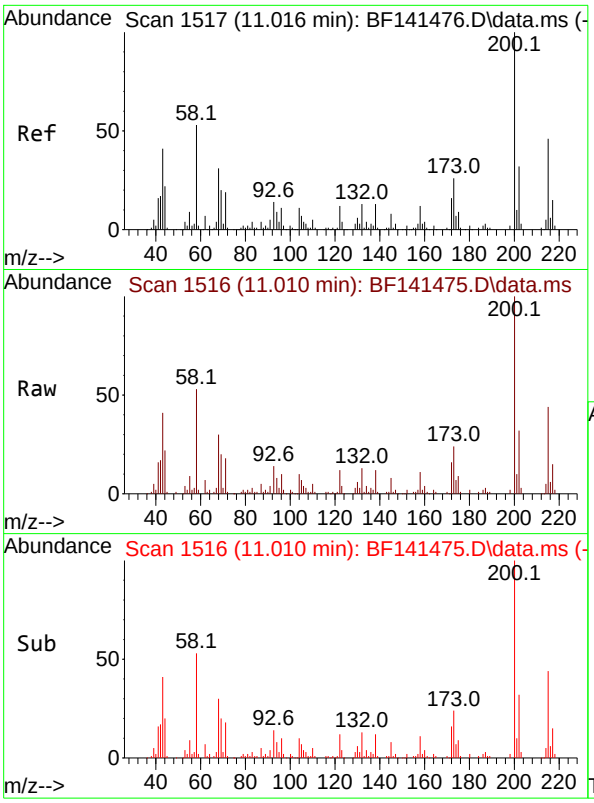




#68
Hexachlorobenzene
Concen: 20.913 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:284 Resp: 80301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 37.5 | 28.0 | 42.0 |
| 249 | 32.9 | 25.8 | 38.8 |



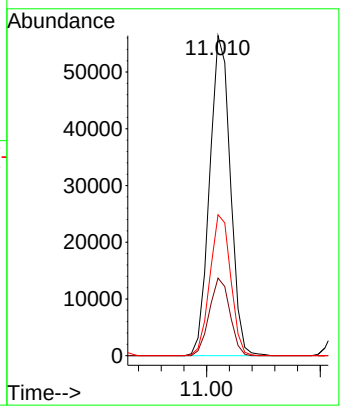


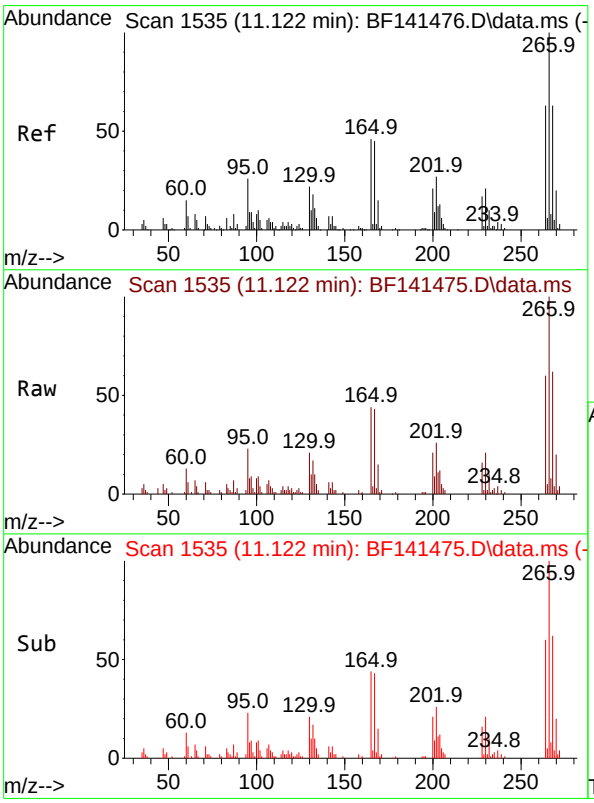

#69
Atrazine
Concen: 22.271 ng
RT: 11.010 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:200 Resp: 71359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 24.3 | 5.9 | 45.9 |
| 215 | 44.1 | 25.9 | 65.9 |

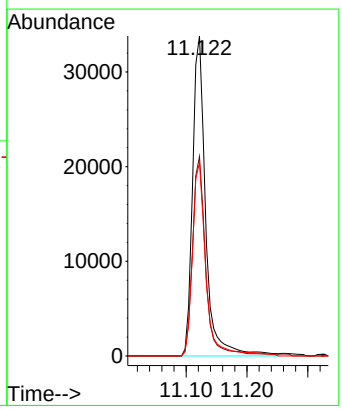


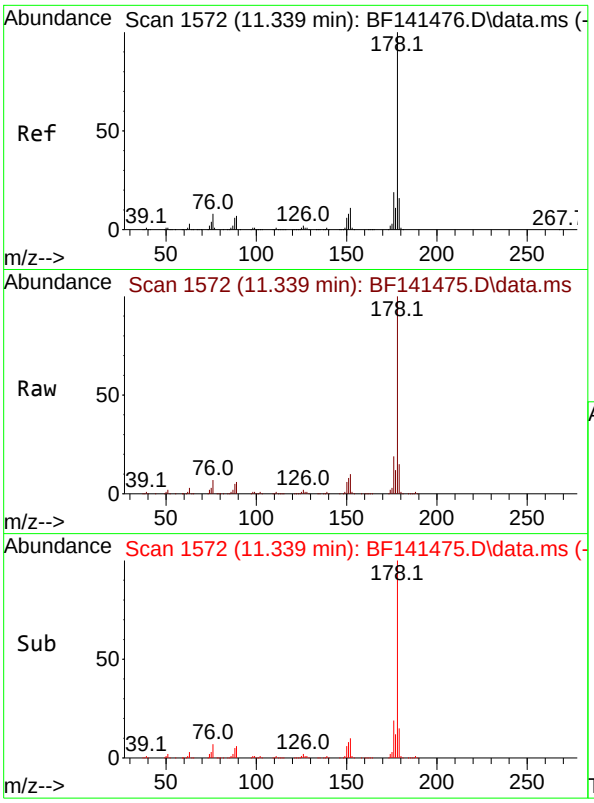




#70
Pentachlorophenol
Concen: 20.584 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:266 Resp: 50539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.4 | 50.1 | 75.1 |
| 264 | 60.5 | 50.1 | 75.1 |



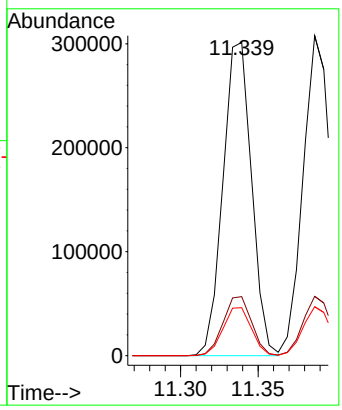


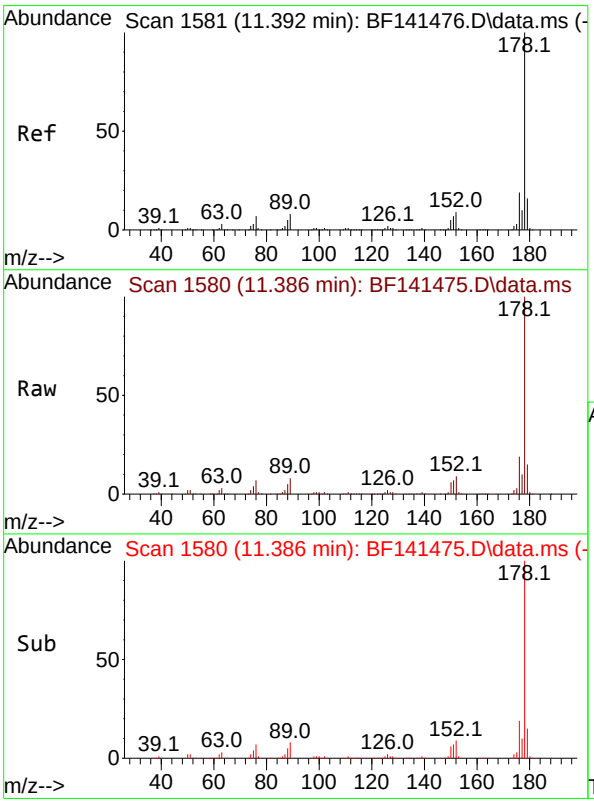

#71
Phenanthrene
Concen: 21.085 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:178 Resp: 387256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.4 | 23.0 |
| 179 | 15.3 | 12.4 | 18.6 |

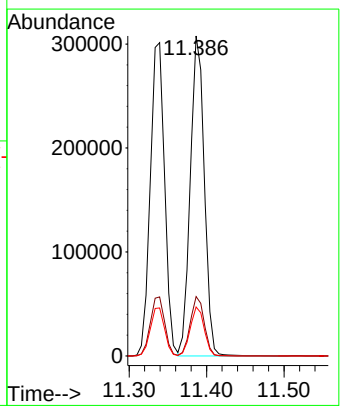


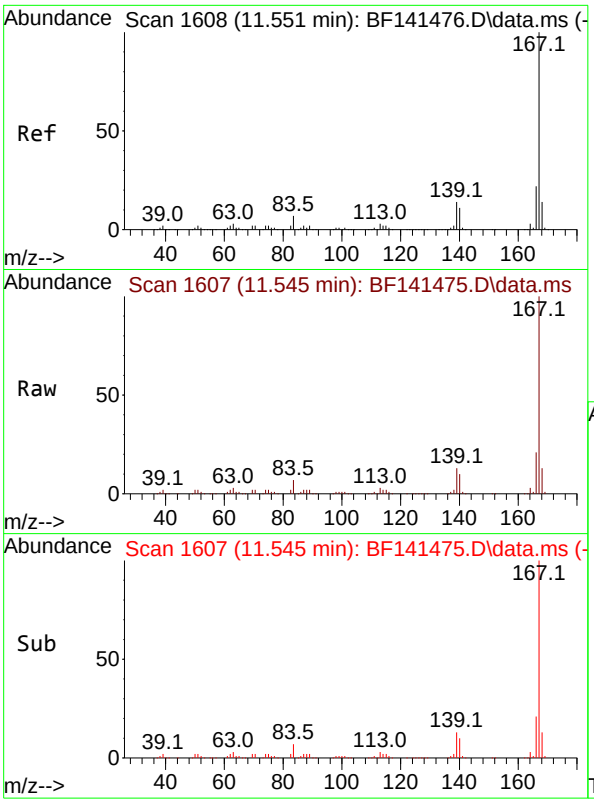




#72
Anthracene
Concen: 20.930 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:178 Resp: 386414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 14.8 | 22.2 |
| 179 | 15.3 | 12.4 | 18.6 |



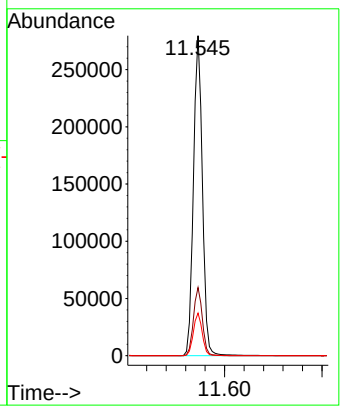


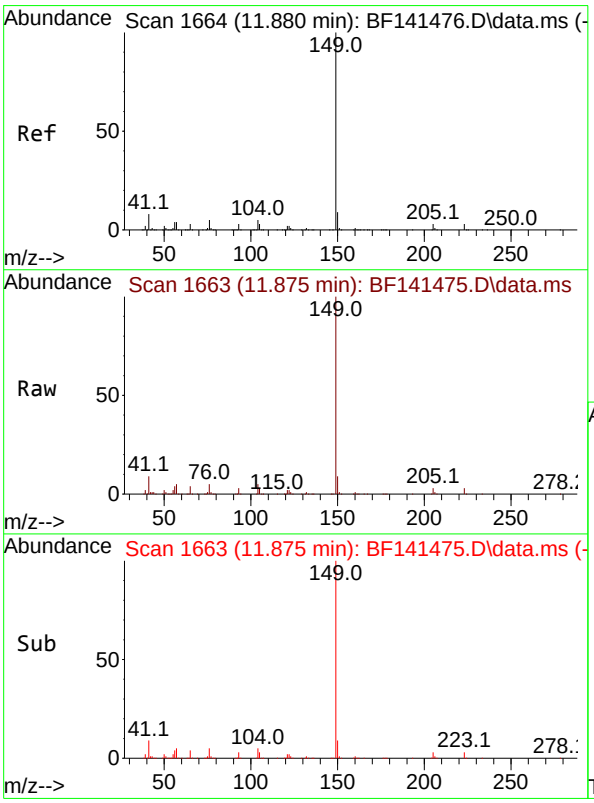

#73
Carbazole
Concen: 21.610 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:167 Resp: 358987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.3 | 17.4 | 26.2 |
| 139 | 13.3 | 10.9 | 16.3 |

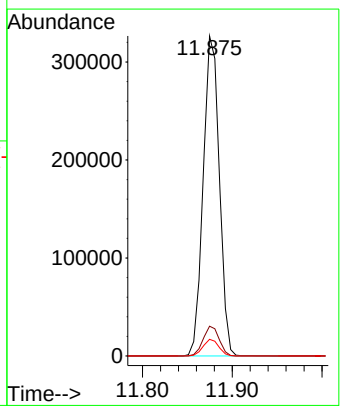


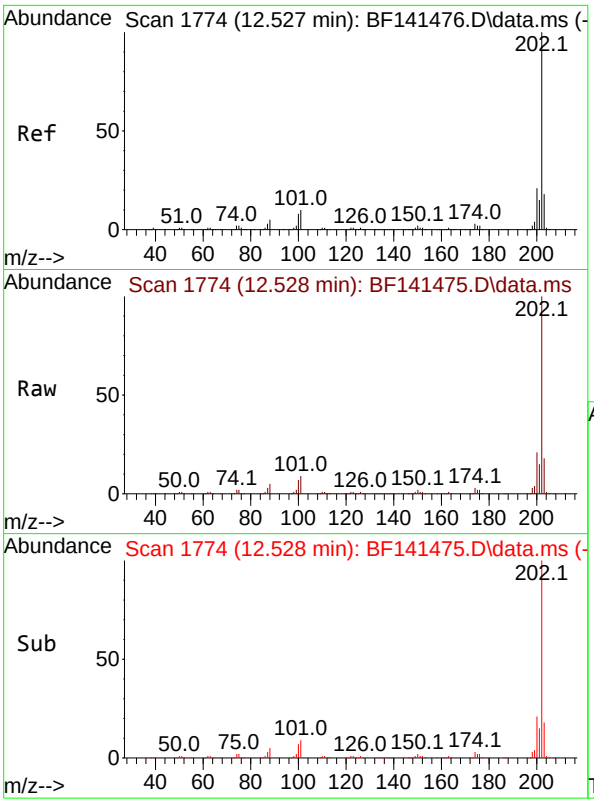




#74
Di-n-butylphthalate
Concen: 21.273 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:149 Resp: 408041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.4 | 11.0 |
| 104 | 5.2 | 4.2 | 6.2 |



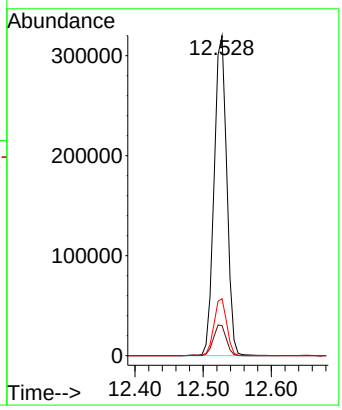


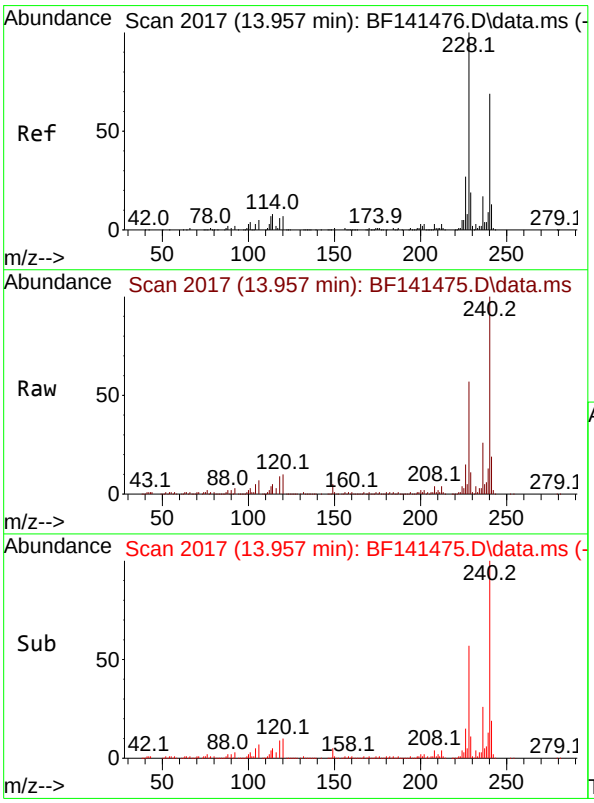

#75
Fluoranthene
Concen: 21.298 ng
RT: 12.528 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:202 Resp: 414712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.4 | 0.0 | 30.2 |
| 203 | 17.8 | 0.0 | 37.6 |

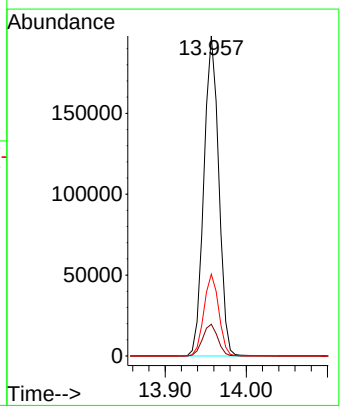


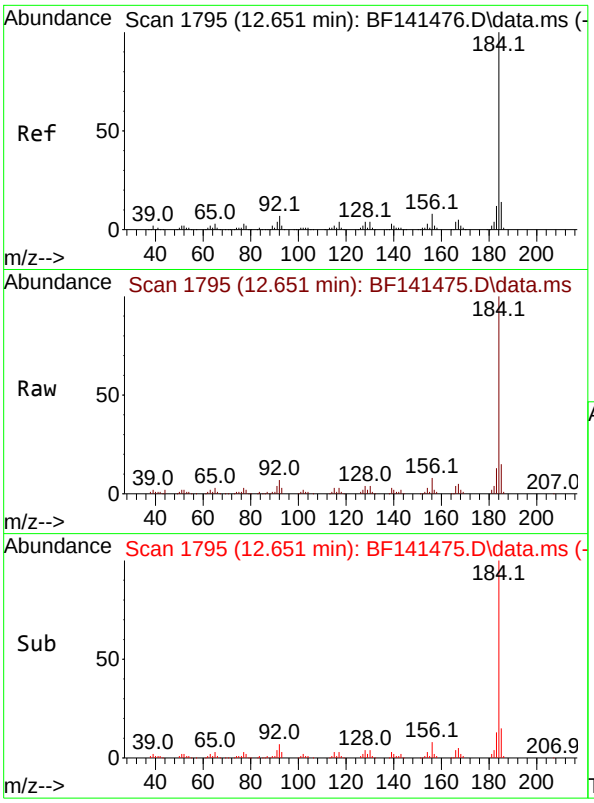




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:240 Resp: 251741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.9 | 8.0 | 12.0 |
| 236 | 25.5 | 19.8 | 29.8 |



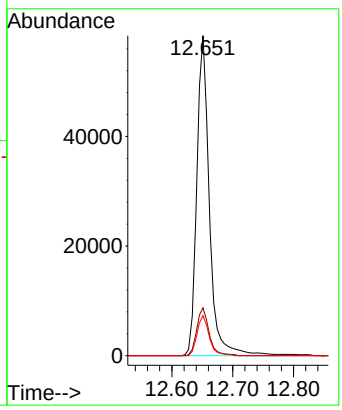


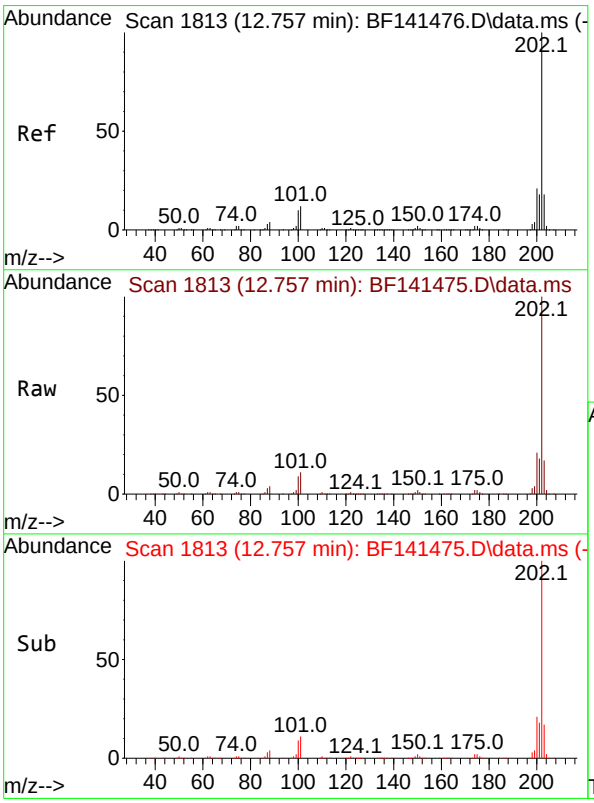

#77
Benzidine
Concen: 15.132 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:184 Resp: 84013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.9 | 11.3 | 16.9 |
| 183 | 12.5 | 9.3 | 13.9 |

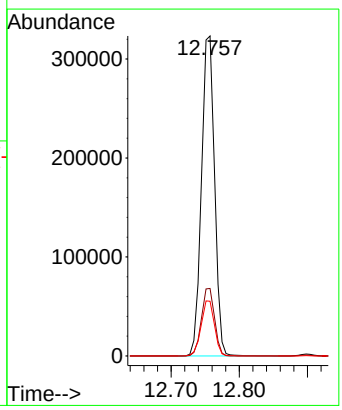


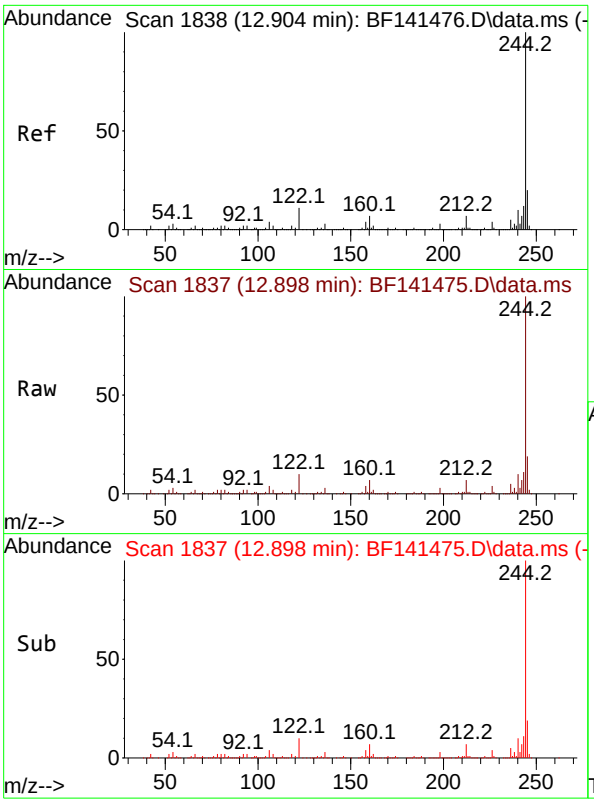




#78
Pyrene
Concen: 20.169 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:202 Resp: 432216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 17.0 | 25.4 |
| 203 | 17.1 | 14.3 | 21.5 |



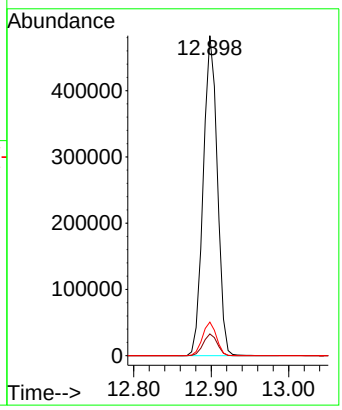


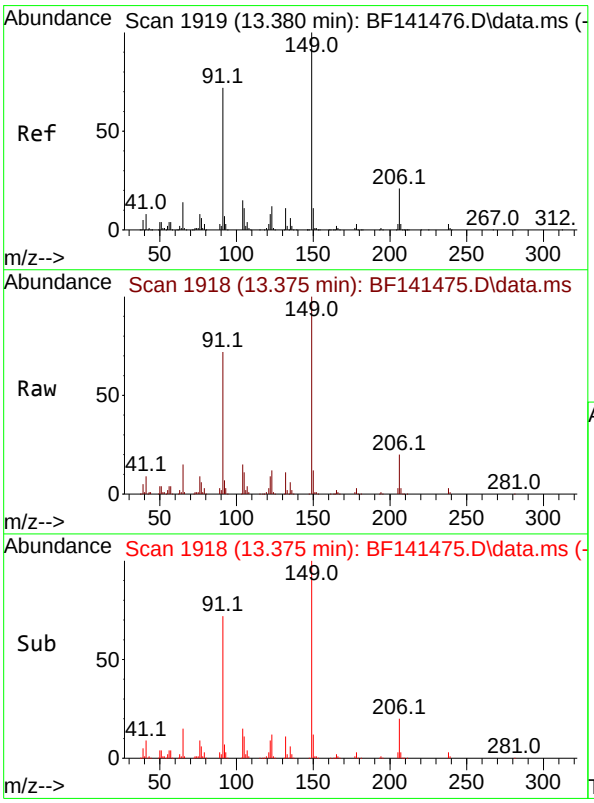

#79
Terphenyl-d14
Concen: 40.894 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:244 Resp: 609819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.6 | 8.4 |
| 122 | 10.5 | 8.4 | 12.6 |

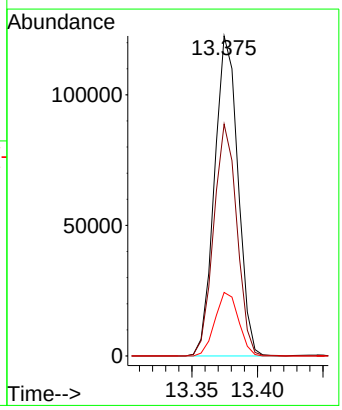


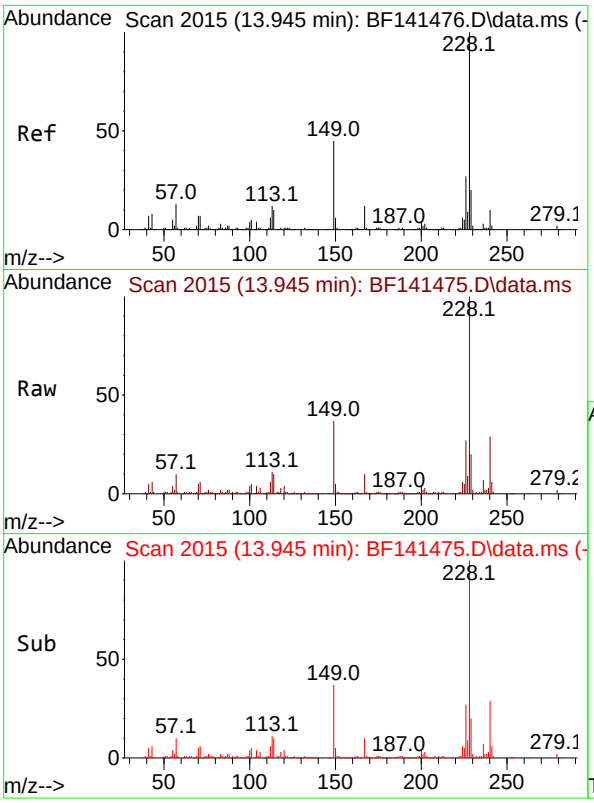




#80
Butylbenzylphthalate
Concen: 20.502 ng
RT: 13.375 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:149 Resp: 152184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.5 | 57.8 | 86.8 |
| 206 | 19.8 | 16.7 | 25.1 |



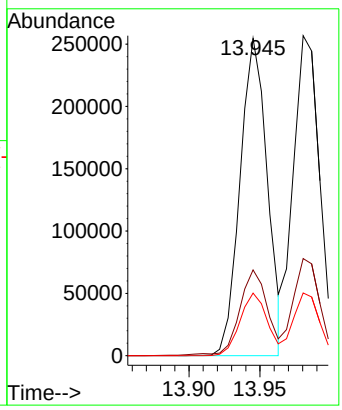


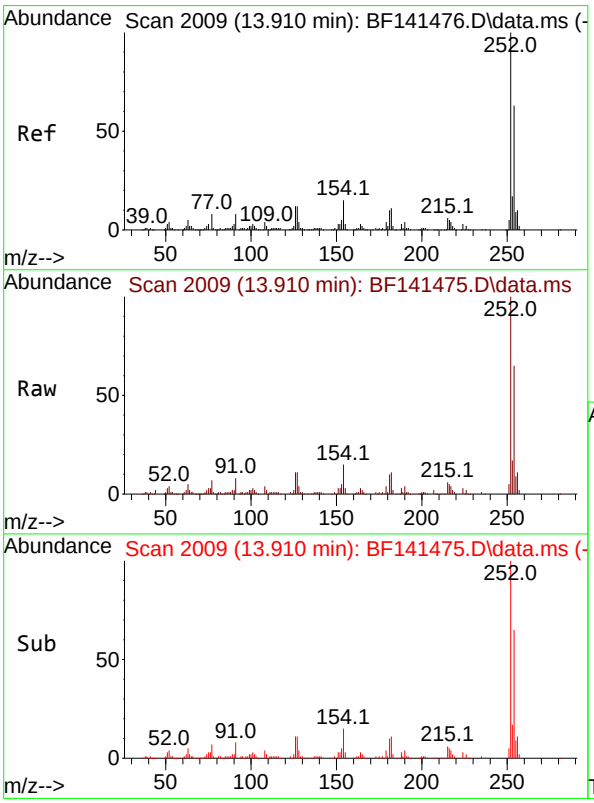

#81
Benzo(a)anthracene
Concen: 20.310 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:228 Resp: 339877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.1 | 21.8 | 32.8 |
| 229 | 19.7 | 15.8 | 23.6 |

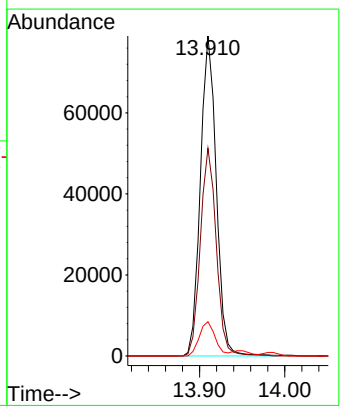


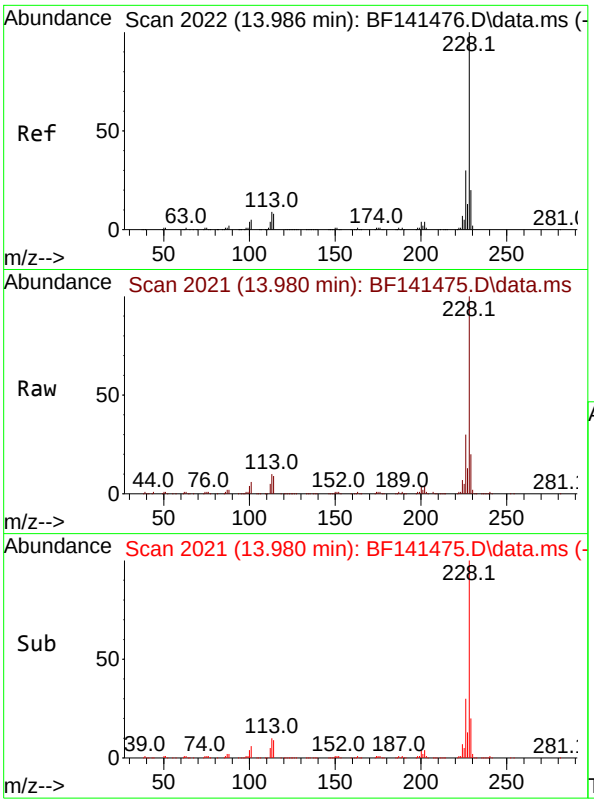




#82
3,3'-Dichlorobenzidine
Concen: 21.355 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:252 Resp: 102367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.9 | 50.6 | 76.0 |
| 126 | 10.7 | 9.3 | 13.9 |



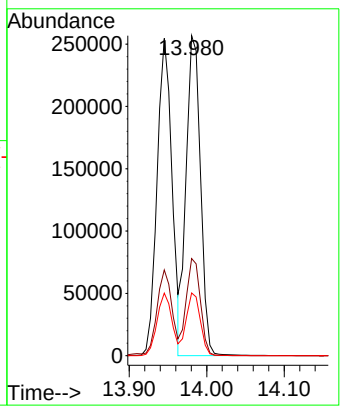


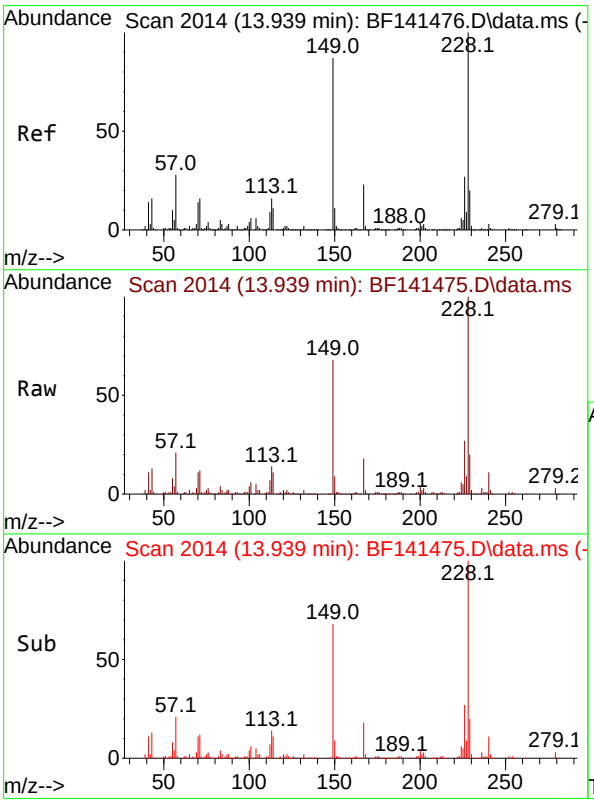

#83
Chrysene
Concen: 21.411 ng
RT: 13.980 min Scan# 2(
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:228 Resp: 330823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.0 | 36.0 |
| 229 | 19.6 | 15.7 | 23.5 |

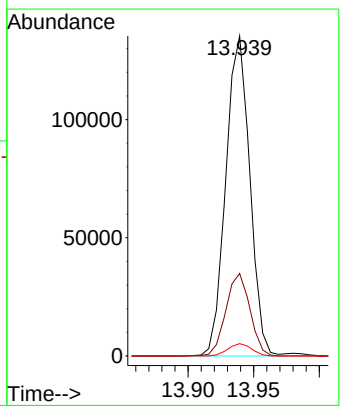


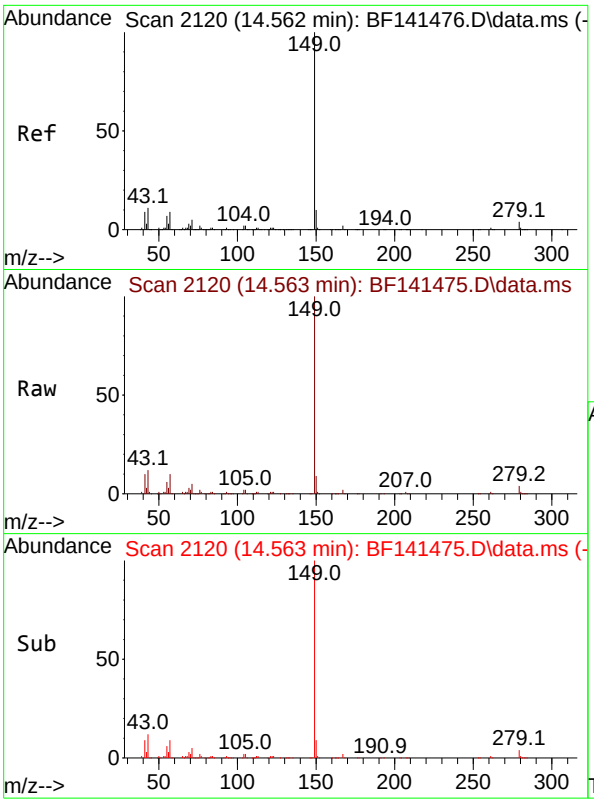




#84
Bis(2-ethylhexyl)phthalate
Concen: 20.588 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:149 Resp: 172352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 25.8 | 21.4 | 32.0 |
| 279 | 3.9 | 3.1 | 4.7 |



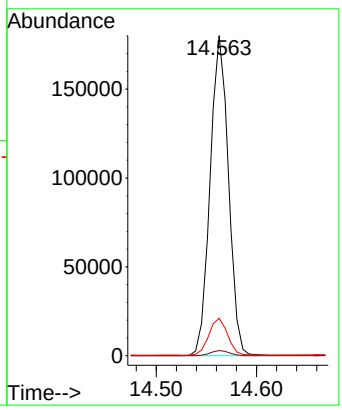


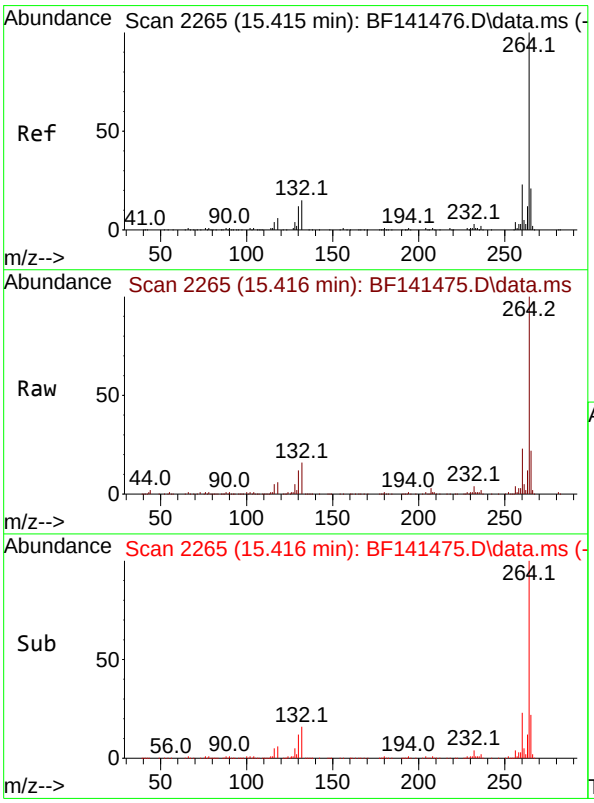

#85
Di-n-octyl phthalate
Concen: 19.180 ng
RT: 14.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:149 Resp: 229060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 11.7 | 9.5 | 14.3 |

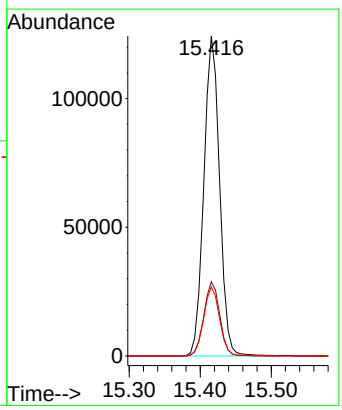


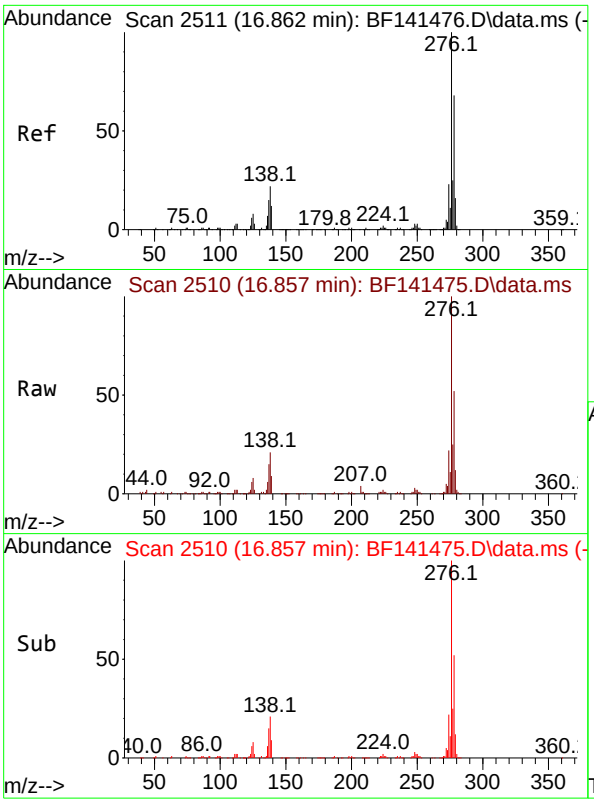




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:264 Resp: 191435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.6 | 28.0 |
| 265 | 21.6 | 17.0 | 25.4 |



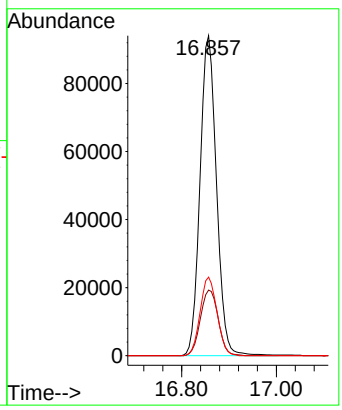


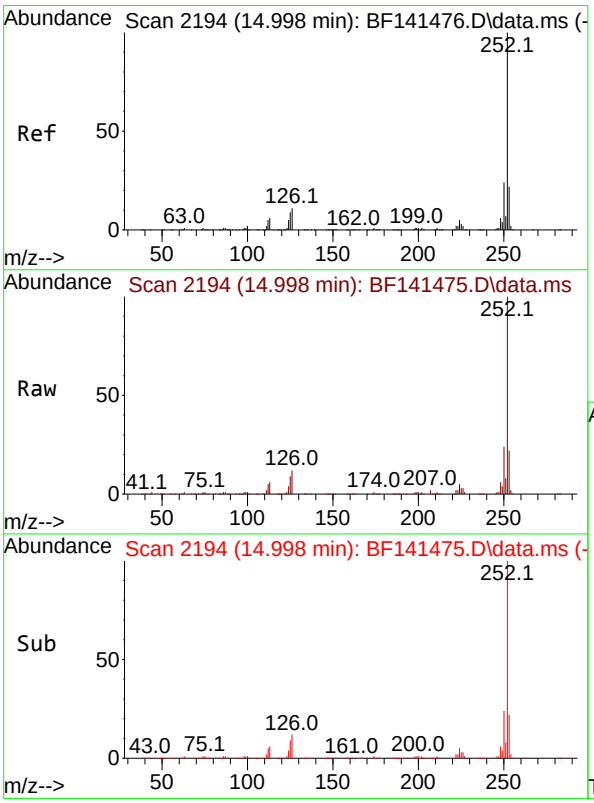

#87
Indeno(1,2,3-cd)pyrene
Concen: 19.200 ng
RT: 16.857 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:276 Resp: 227105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.1 | 18.0 | 27.0 |
| 277 | 25.1 | 20.4 | 30.6 |

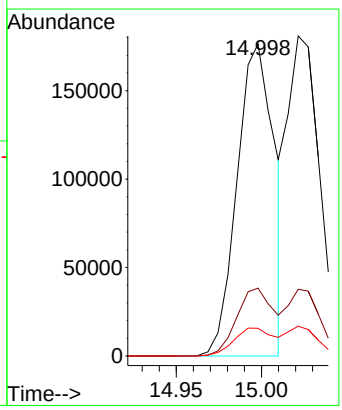


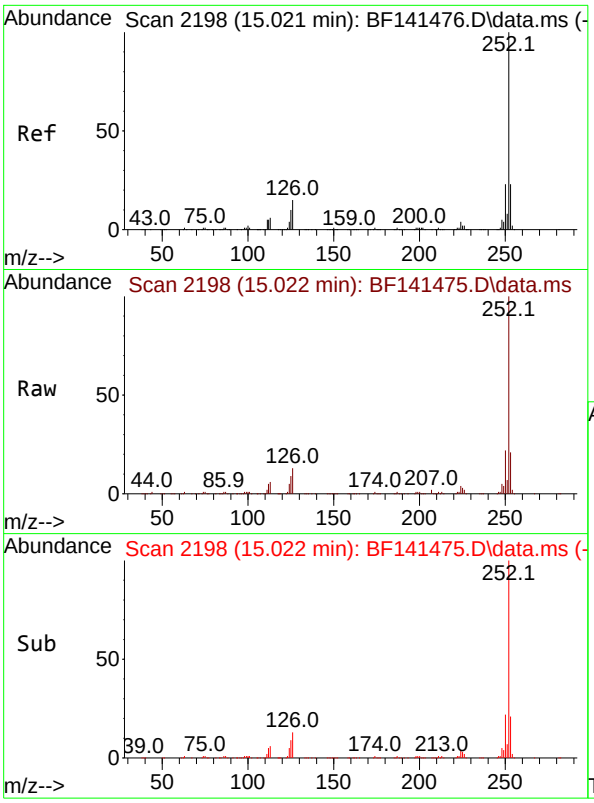




#88
Benzo(b)fluoranthene
Concen: 20.826 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:252 Resp: 267695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.5 | 26.3 |
| 125 | 8.9 | 7.0 | 10.6 |



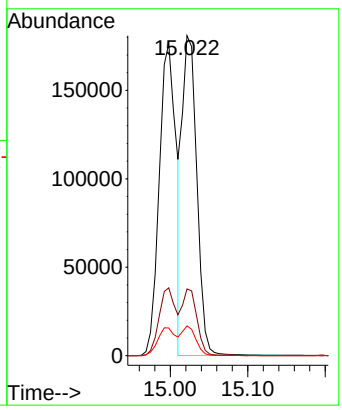


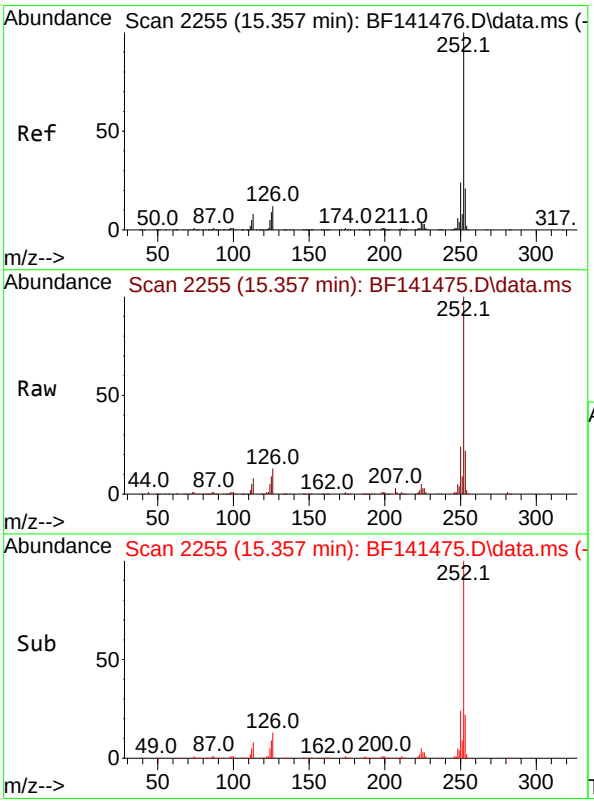

#89
Benzo(k)fluoranthene
Concen: 21.747 ng
RT: 15.022 min Scan# 21
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:252 Resp: 238695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 20.9 | 18.0 | 27.0 |
| 125 | 9.3 | 7.4 | 11.0 |

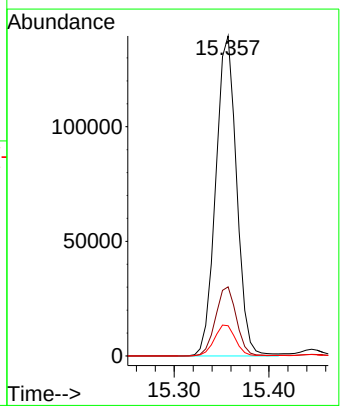


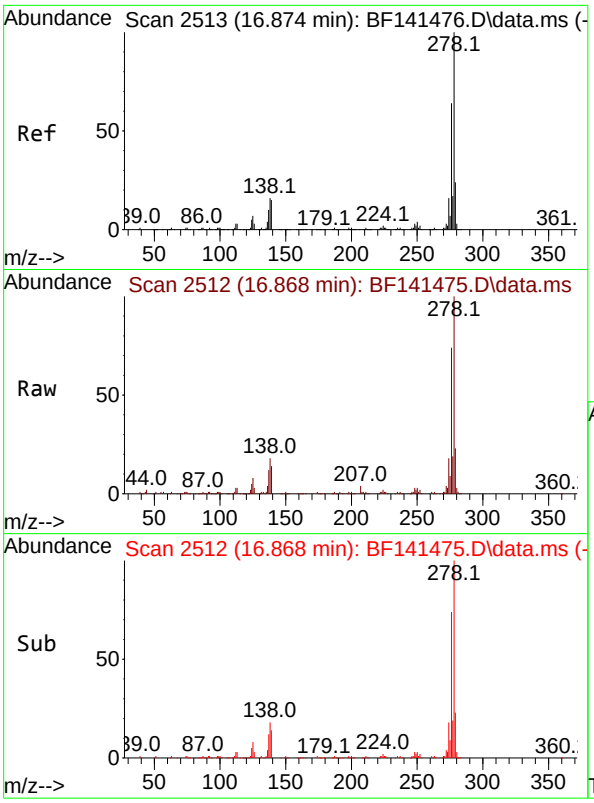




#90
Benzo(a)pyrene
Concen: 20.528 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:252 Resp: 213510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.1 | 25.7 |
| 125 | 9.5 | 7.4 | 11.2 |



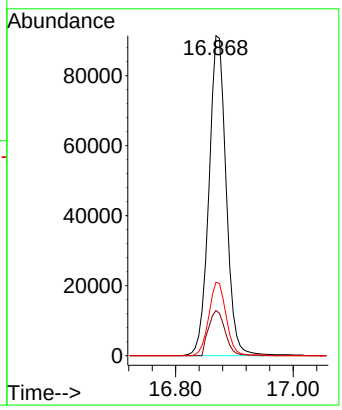


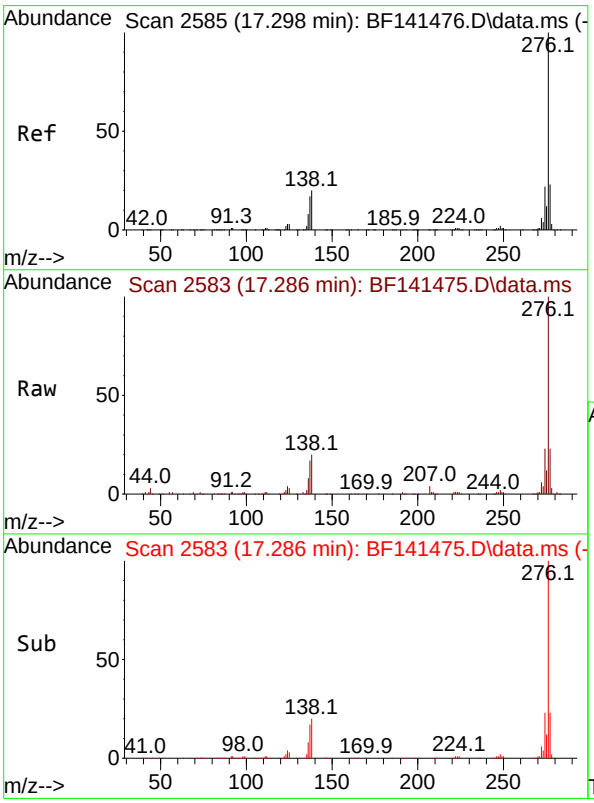

#91
Dibenzo(a,h)anthracene
Concen: 19.379 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

Tgt Ion:278 Resp: 185740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.1 | 11.8 | 17.6 |
| 279 | 23.0 | 19.1 | 28.7 |

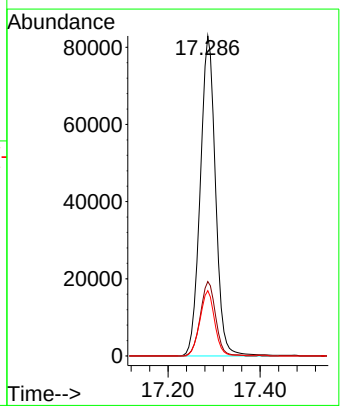



#92
Benzo(g,h,i)perylene
Concen: 19.103 ng
RT: 17.286 min Scan# 2583
Delta R.T. -0.029 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:276 Resp: 191595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 18.6 | 28.0 |
| 138 | 20.4 | 15.9 | 23.9 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141476.D
Acq On : 06 Feb 2025 12:55
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Quant Time: Feb 06 16:00:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.787 | 152 | 89095 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.075 | 136 | 351555 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.828 | 164 | 193385 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.316 | 188 | 336425 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.957 | 240 | 225462 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.415 | 264 | 182907 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.404 | 112 | 459422 | 80.841 | ng | 0.00 |
| 7) Phenol-d6 | 6.428 | 99 | 574808 | 80.025 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.357 | 82 | 540793 | 80.234 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.622 | 330 | 154725 | 79.647 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.151 | 172 | 981440 | 78.189 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.904 | 244 | 1080174 | 80.879 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.481 | 88 | 92090 | 40.262 | ng | 100 |
| 3) Pyridine | 3.210 | 79 | 225032 | 41.344 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.163 | 42 | 145802 | 40.456 | ng | 100 |
| 6) Aniline | 6.451 | 93 | 274102 | 40.681 | ng | 100 |
| 8) 2-Chlorophenol | 6.581 | 128 | 245676 | 40.008 | ng | 100 |
| 9) Benzaldehyde | 6.339 | 77 | 146382 | 38.350 | ng | 100 |
| 10) Phenol | 6.445 | 94 | 300315 | 40.171 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 6.528 | 93 | 225665 | 40.188 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.728 | 146 | 256806 | 39.613 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 6.804 | 146 | 262121 | 39.574 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 6.963 | 146 | 244757 | 39.814 | ng | 100 |
| 15) Benzyl Alcohol | 6.934 | 79 | 224961 | 40.841 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.069 | 45 | 385739 | 40.130 | ng | 100 |
| 17) 2-Methylphenol | 7.051 | 107 | 191970 | 39.951 | ng | 100 |
| 18) Hexachloroethane | 7.298 | 117 | 98581 | 40.215 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 7.204 | 70 | 172712 | 40.198 | ng | 100 |
| 20) 3+4-Methylphenols | 7.204 | 107 | 244439 | 40.024 | ng | 100 |
| 22) Acetophenone | 7.198 | 105 | 346731 | 39.649 | ng | 100 |
| 24) Nitrobenzene | 7.375 | 77 | 263188 | 40.044 | ng | 100 |
| 25) Isophorone | 7.610 | 82 | 429323 | 39.948 | ng | 100 |
| 26) 2-Nitrophenol | 7.686 | 139 | 135355 | 41.394 | ng | 100 |
| 27) 2,4-Dimethylphenol | 7.728 | 122 | 156665 | 41.012 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.822 | 93 | 276730 | 40.185 | ng | 100 |
| 29) 2,4-Dichlorophenol | 7.939 | 162 | 208390 | 40.375 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.016 | 180 | 222679 | 39.619 | ng | 100 |
| 31) Naphthalene | 8.092 | 128 | 729358 | 39.856 | ng | 100 |
| 32) Benzoic acid | 7.857 | 122 | 161196 | 40.625 | ng | 100 |
| 33) 4-Chloroaniline | 8.151 | 127 | 255749 | 40.029 | ng | 100 |
| 34) Hexachlorobutadiene | 8.210 | 225 | 135140 | 40.051 | ng | 100 |
| 35) Caprolactam | 8.516 | 113 | 65155 | 41.461 | ng | 100 |
| 36) 4-Chloro-3-methylphenol | 8.633 | 107 | 231344 | 40.464 | ng | 100 |
| 37) 2-Methylnaphthalene | 8.786 | 142 | 470332 | 39.496 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.886 | 142 | 461189 | 39.987 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.951 | 216 | 225938 | 40.383 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 8.939 | 237 | 78762 | 42.325 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 9.063 | 196 | 145682 | 40.288 | ng | 100 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141476.D
Acq On : 06 Feb 2025 12:55
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Quant Time: Feb 06 16:00:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

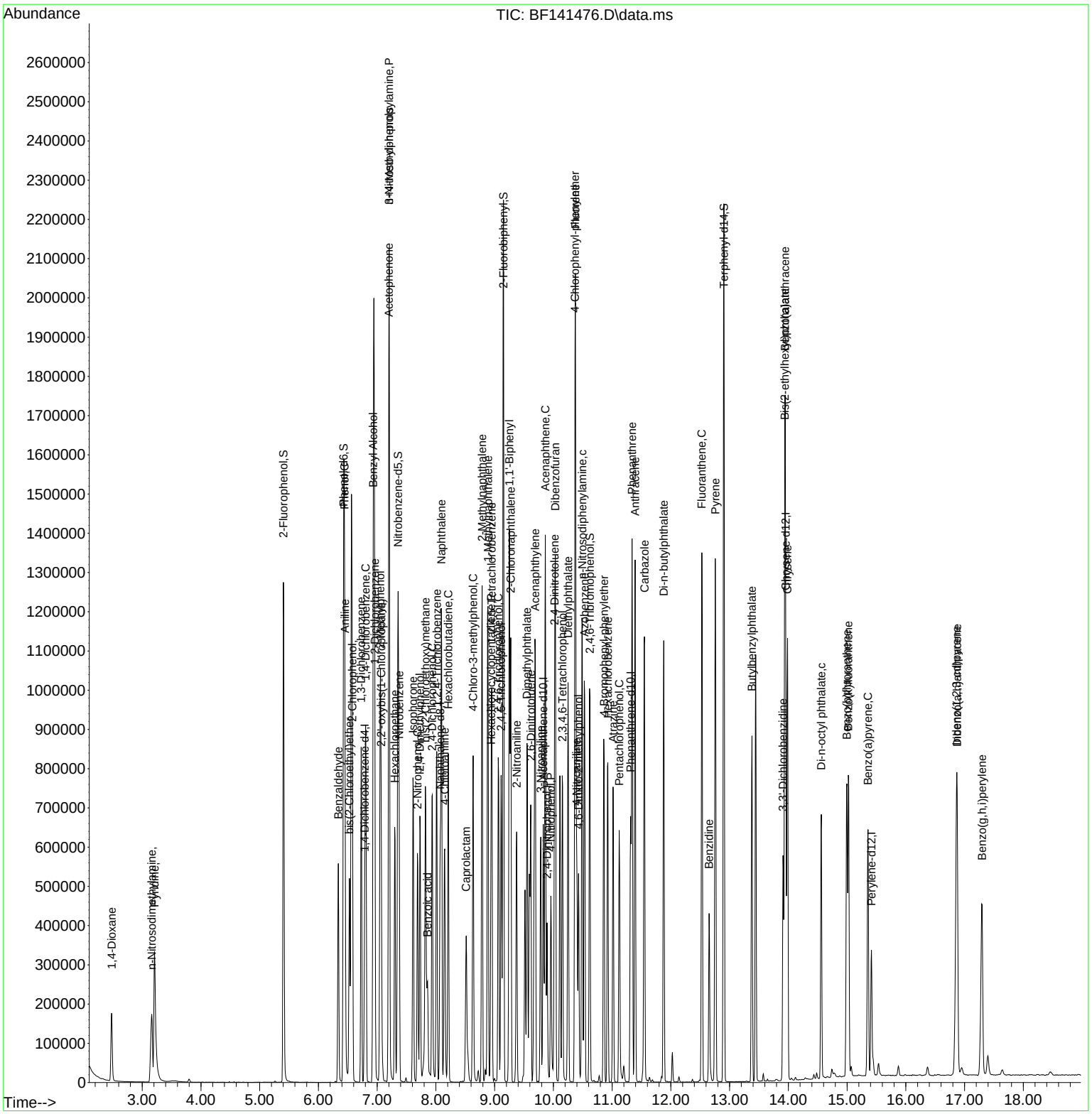
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.110 | 196 | 158685 | 40.492 | ng | 100 |
| 46) 1,1'-Biphenyl | 9.251 | 154 | 597404 | 39.846 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.275 | 162 | 438926 | 39.590 | ng | 100 |
| 48) 2-Nitroaniline | 9.375 | 65 | 150922 | 40.563 | ng | 100 |
| 49) Acenaphthylene | 9.692 | 152 | 656124 | 39.789 | ng | 100 |
| 50) Dimethylphthalate | 9.551 | 163 | 520384 | 39.638 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.616 | 165 | 116338 | 40.536 | ng | 100 |
| 52) Acenaphthene | 9.863 | 154 | 445515 | 40.186 | ng | 100 |
| 53) 3-Nitroaniline | 9.786 | 138 | 123530 | 39.991 | ng | 100 |
| 54) 2,4-Dinitrophenol | 9.892 | 184 | 68489 | 40.153 | ng | 100 |
| 55) Dibenzofuran | 10.033 | 168 | 647242 | 39.775 | ng | 100 |
| 56) 4-Nitrophenol | 9.957 | 139 | 96456 | 42.065 | ng | 100 |
| 57) 2,4-Dinitrotoluene | 10.022 | 165 | 153824 | 40.262 | ng | 100 |
| 58) Fluorene | 10.375 | 166 | 498929 | 39.654 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232 | 134581 | 39.888 | ng | 100 |
| 60) Diethylphthalate | 10.251 | 149 | 514358 | 39.821 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.369 | 204 | 240707 | 39.767 | ng | 100 |
| 62) 4-Nitroaniline | 10.398 | 138 | 129392 | 41.253 | ng | 100 |
| 63) Azobenzene | 10.527 | 77 | 512692 | 39.926 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 10.427 | 198 | 95521 | 40.874 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 10.492 | 169 | 421937 | 39.180 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248 | 148603 | 39.522 | ng | 100 |
| 68) Hexachlorobenzene | 10.927 | 284 | 152664 | 39.430 | ng | 100 |
| 69) Atrazine | 11.016 | 200 | 124494 | 38.533 | ng | 100 |
| 70) Pentachlorophenol | 11.122 | 266 | 103806 | 41.930 | ng | 100 |
| 71) Phenanthrene | 11.339 | 178 | 729585 | 39.397 | ng | 100 |
| 72) Anthracene | 11.392 | 178 | 728337 | 39.125 | ng | 100 |
| 73) Carbazole | 11.551 | 167 | 663523 | 39.613 | ng | 100 |
| 74) Di-n-butylphthalate | 11.880 | 149 | 767961 | 39.706 | ng | 100 |
| 75) Fluoranthene | 12.527 | 202 | 774369 | 39.441 | ng | 100 |
| 77) Benzidine | 12.651 | 184 | 238261 | 47.917 | ng | 100 |
| 78) Pyrene | 12.757 | 202 | 786956 | 41.002 | ng | 100 |
| 80) Butylbenzylphthalate | 13.380 | 149 | 274711 | 41.323 | ng | 100 |
| 81) Benzo(a)anthracene | 13.945 | 228 | 606669 | 40.479 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.910 | 252 | 170181 | 39.640 | ng | 100 |
| 83) Chrysene | 13.986 | 228 | 541376 | 39.121 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.939 | 149 | 310696 | 41.438 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.562 | 149 | 435142 | 40.682 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.862 | 276 | 471272 | 41.699 | ng | 100 |
| 88) Benzo(b)fluoranthene | 14.998 | 252 | 488585 | 39.783 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.021 | 252 | 417770 | 39.836 | ng | 100 |
| 90) Benzo(a)pyrene | 15.357 | 252 | 395193 | 39.767 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 16.874 | 278 | 384623 | 42.001 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 17.298 | 276 | 402413 | 41.992 | ng | 100 |

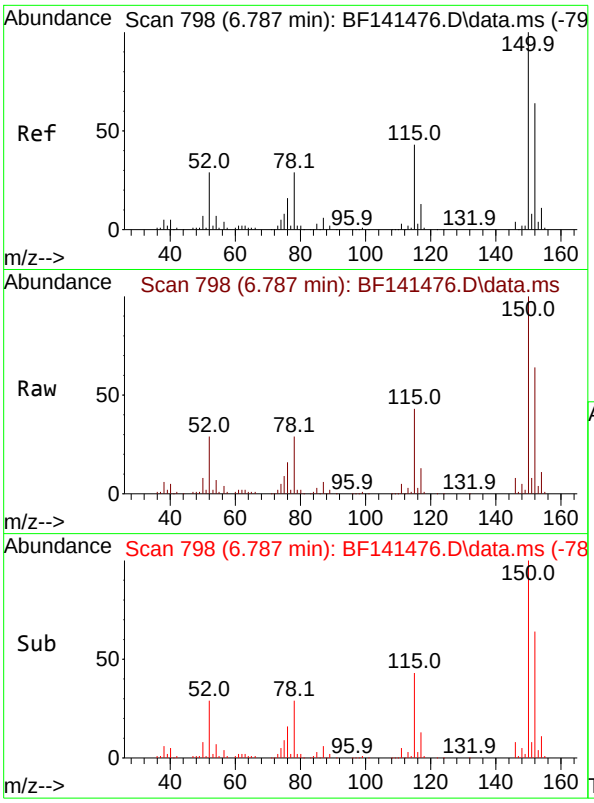
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141476.D
Acq On : 06 Feb 2025 12:55
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Quant Time: Feb 06 16:00:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



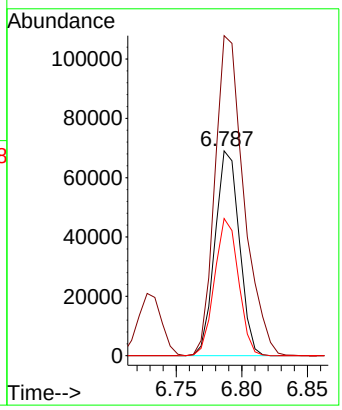


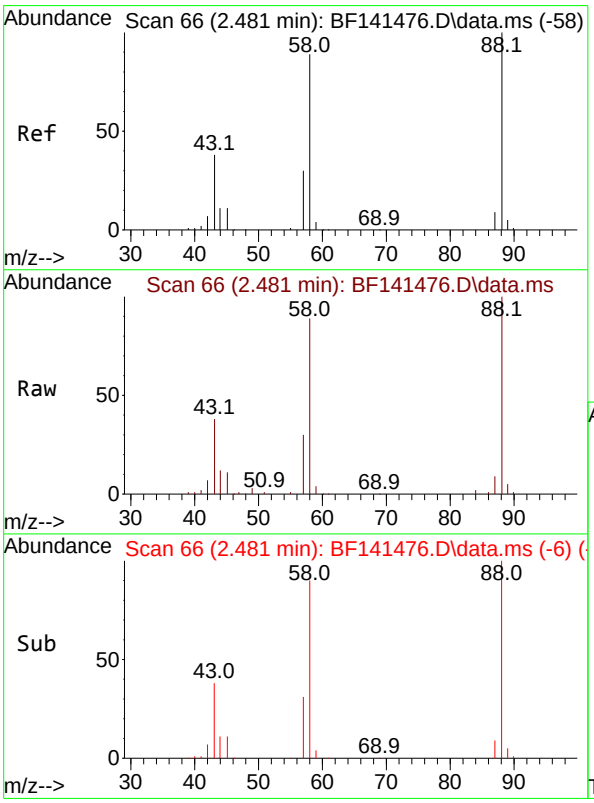

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:152 Resp: 89095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.2 | 125.0 | 187.4 |
| 115 | 67.0 | 53.6 | 80.4 |

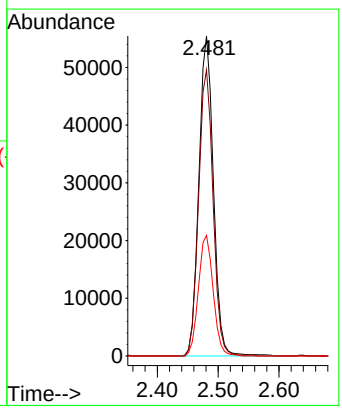


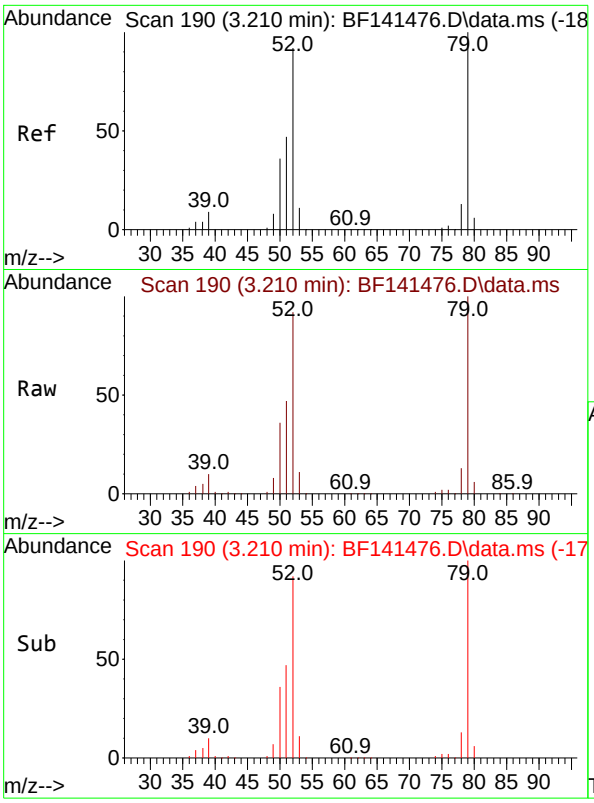




#2
1,4-Dioxane
Concen: 40.262 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 88 Resp: 92090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 88.9 | 71.1 | 106.7 |
| 43 | 38.3 | 30.6 | 46.0 |



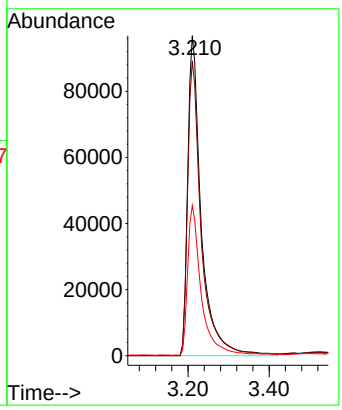


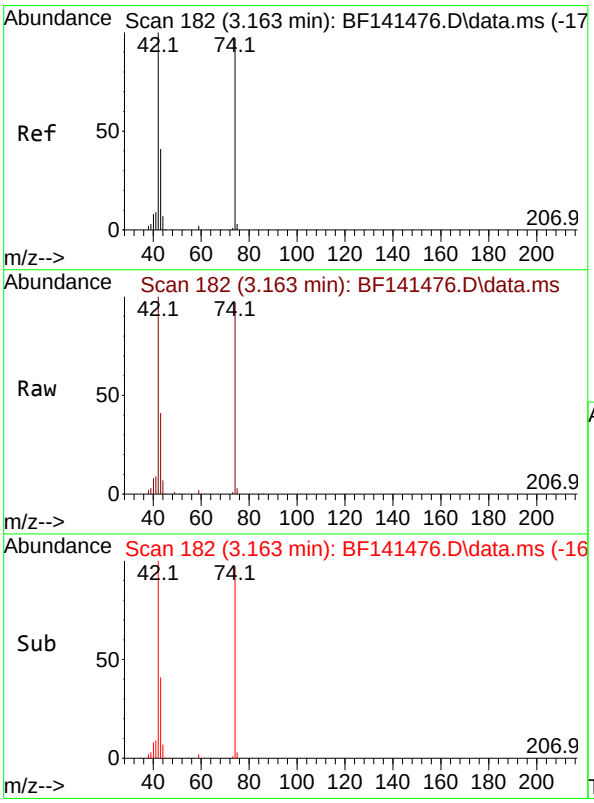

#3
Pyridine
Concen: 41.344 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 79 Resp: 225032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 92.1 | 73.7 | 110.5 |
| 51 | 46.9 | 37.5 | 56.3 |

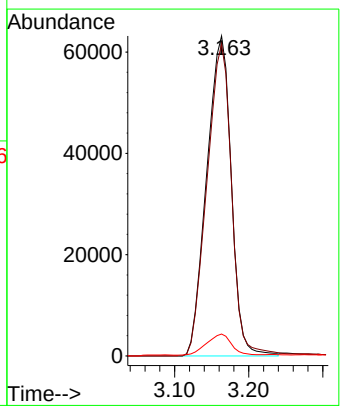


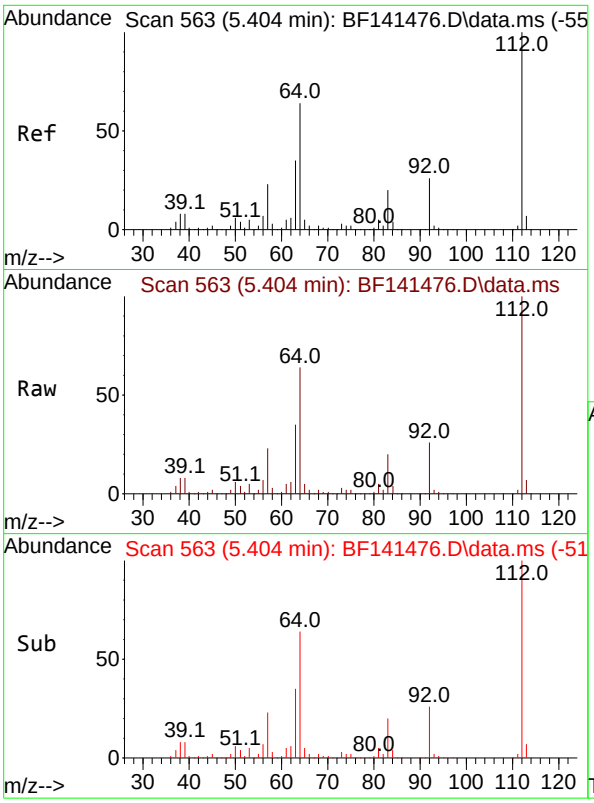




#4
n-Nitrosodimethylamine
Concen: 40.456 ng
RT: 3.163 min Scan# 182
Delta R.T. -0.023 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 42 Resp: 145802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 97.5 | 78.0 | 117.0 |
| 44 | 6.8 | 5.4 | 8.2 |



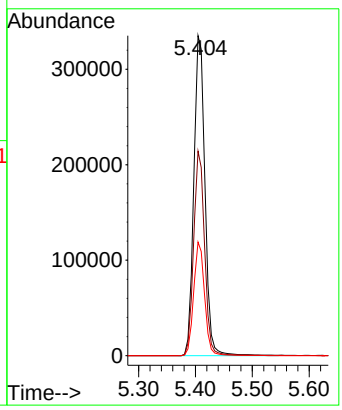


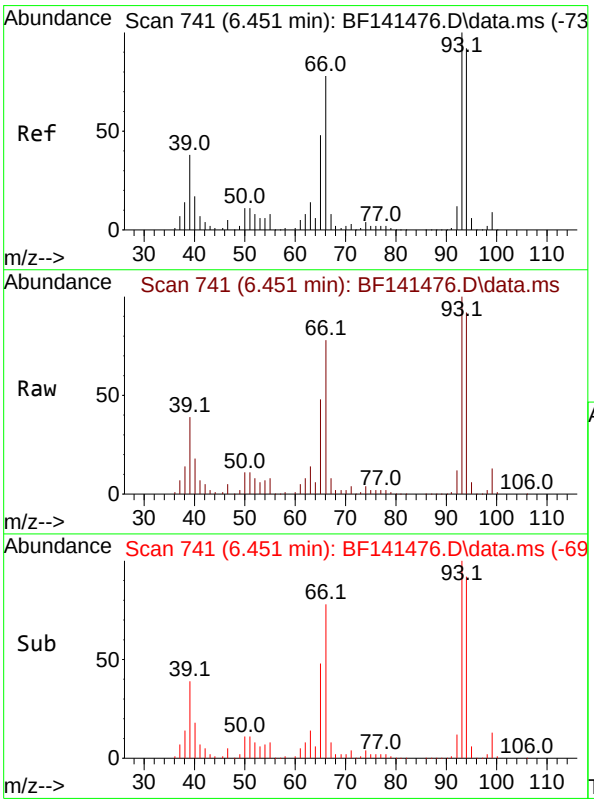

#5
2-Fluorophenol
Concen: 80.841 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:112 Resp: 459422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.9 | 51.1 | 76.7 |
| 63 | 35.5 | 28.4 | 42.6 |

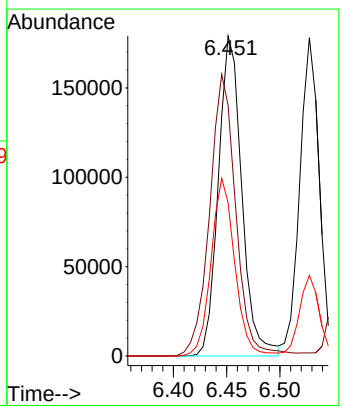


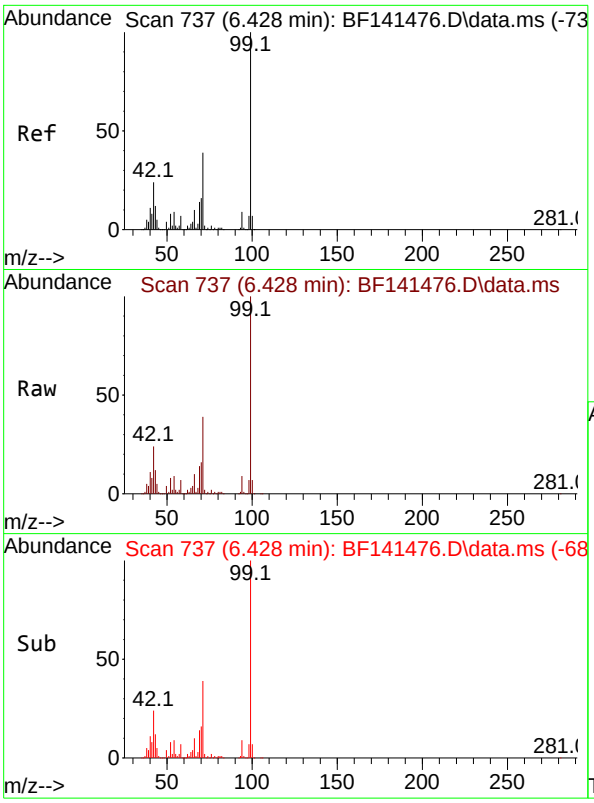




#6
Aniline
Concen: 40.681 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 93 Resp: 274102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 78.3 | 62.6 | 94.0 |
| 65 | 47.9 | 38.3 | 57.5 |



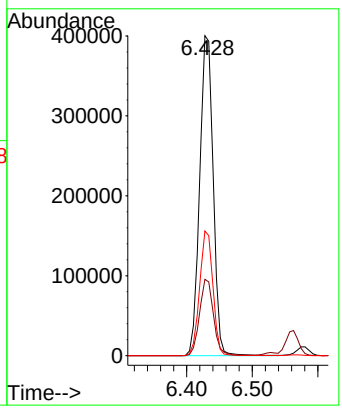


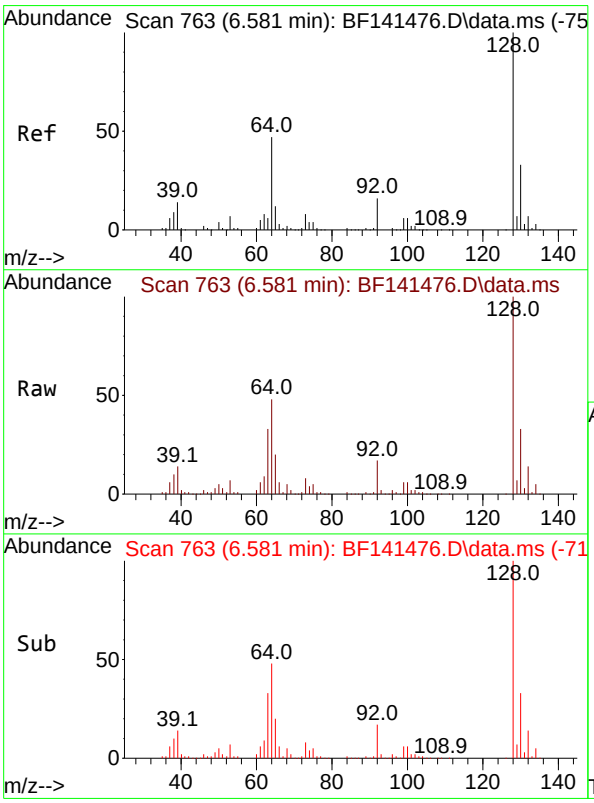

#7
Phenol-d6
Concen: 80.025 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 99 Resp: 574808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.9 | 19.1 | 28.7 |
| 71 | 38.9 | 31.1 | 46.7 |

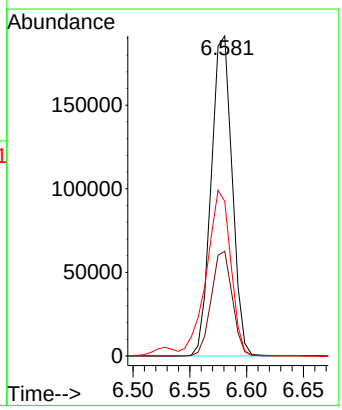


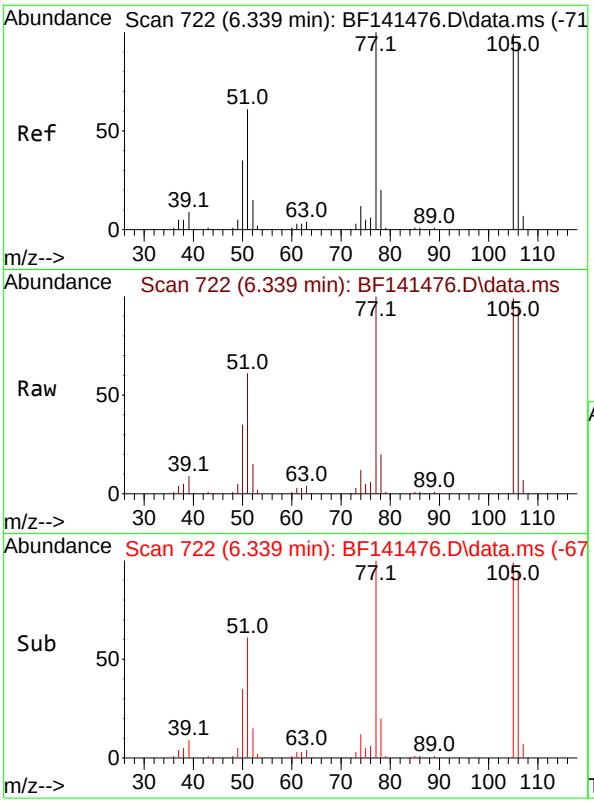




#8
2-Chlorophenol
Concen: 40.008 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:128 Resp: 245676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.7 | 12.7 | 52.7 |
| 64 | 48.3 | 28.3 | 68.3 |



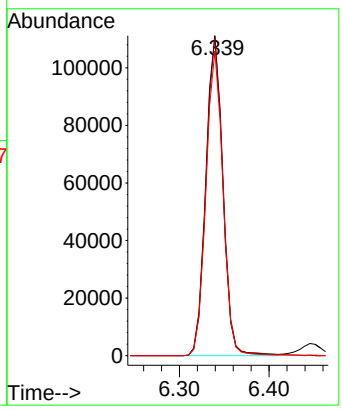


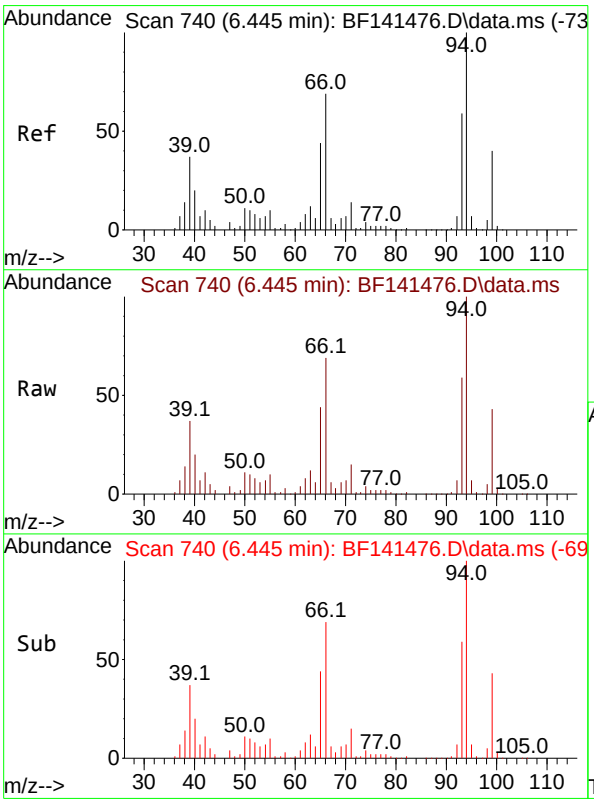

#9
Benzaldehyde
Concen: 38.350 ng
RT: 6.339 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 77 Resp: 146382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.4 | 79.4 | 119.4 |
| 106 | 95.1 | 75.1 | 115.1 |

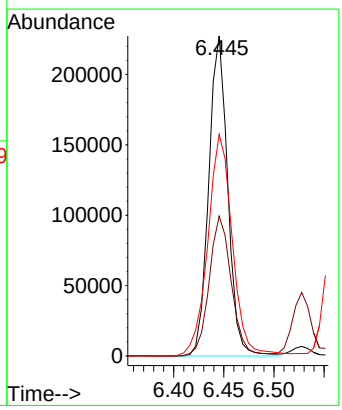


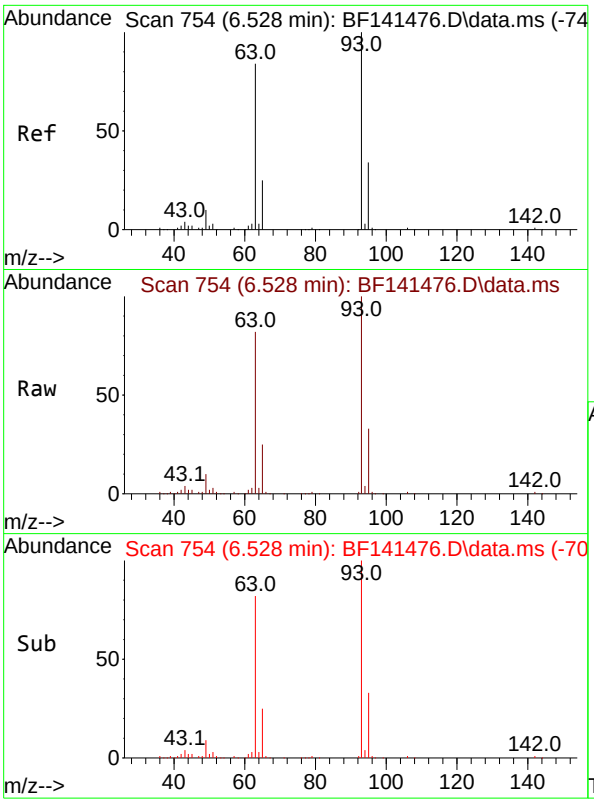




#10
Phenol
Concen: 40.171 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 94 Resp: 300315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 43.7 | 23.7 | 63.7 |
| 66 | 69.3 | 49.3 | 89.3 |



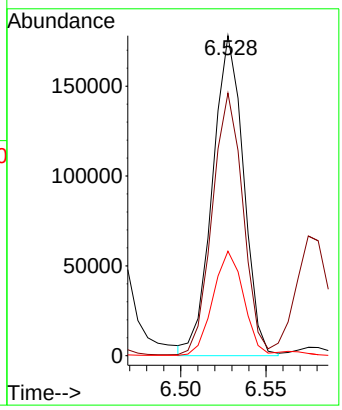


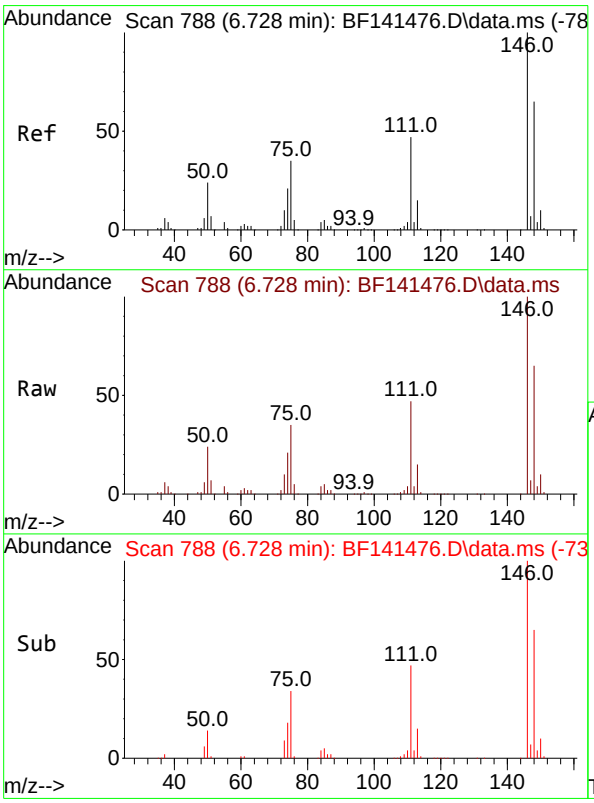

#11
bis(2-Chloroethyl)ether
Concen: 40.188 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 93 Resp: 225665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 82.0 | 62.0 | 102.0 |
| 95 | 32.6 | 12.6 | 52.6 |

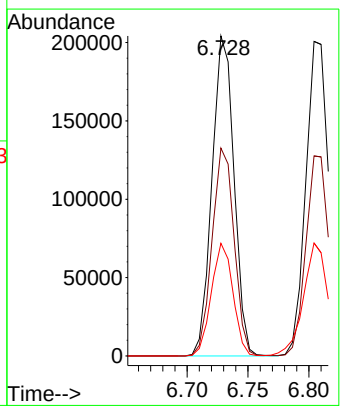


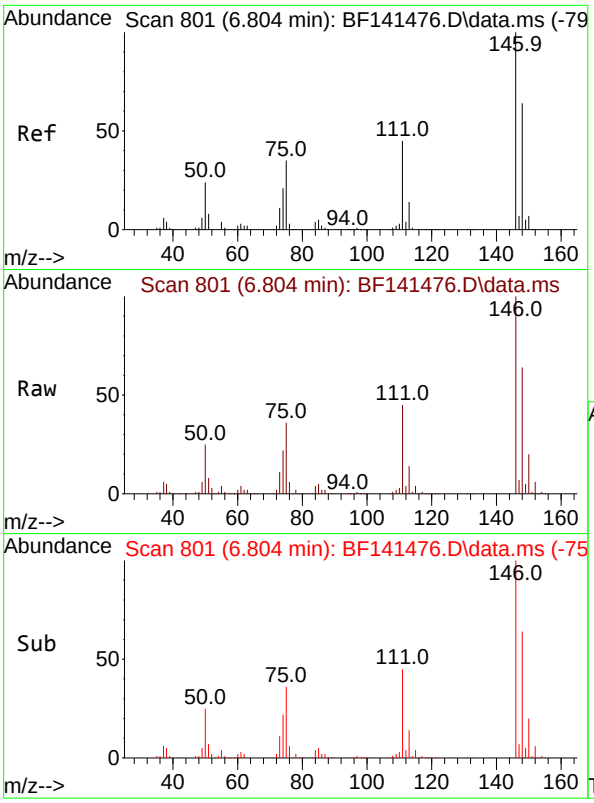




#12
1,3-Dichlorobenzene
Concen: 39.613 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:146 Resp: 256806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.9 | 51.9 | 77.9 |
| 75 | 35.2 | 28.2 | 42.2 |



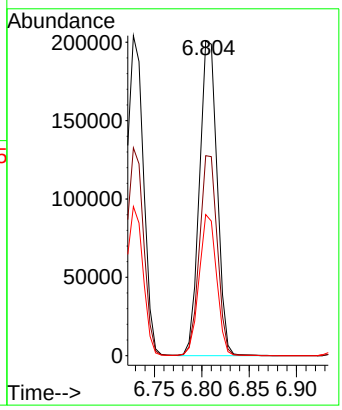


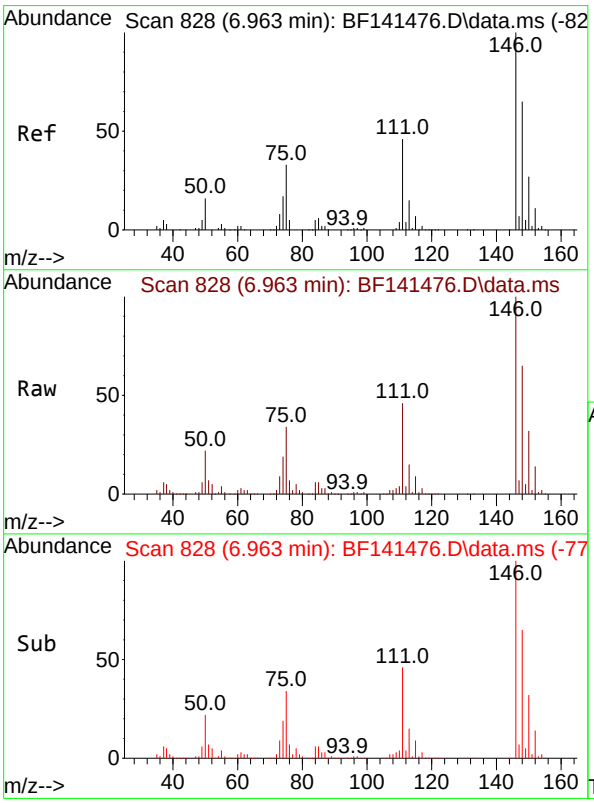

#13
1,4-Dichlorobenzene
Concen: 39.574 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:146 Resp: 262121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 50.9 | 76.3 |
| 111 | 44.9 | 35.9 | 53.9 |

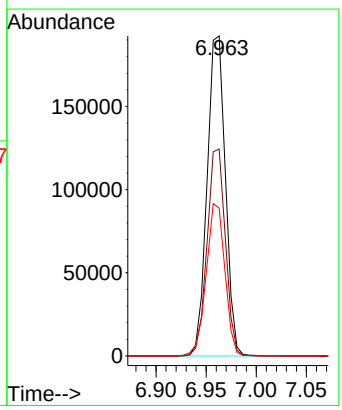


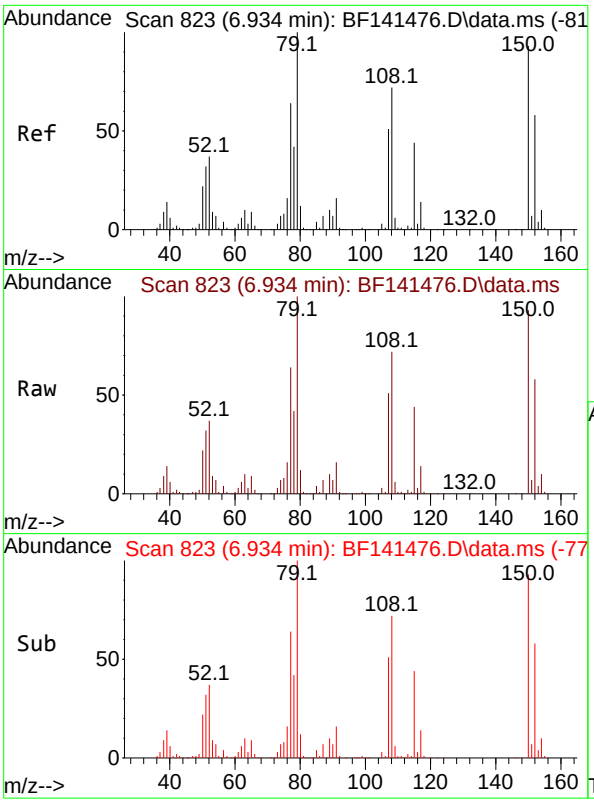




#14
1,2-Dichlorobenzene
Concen: 39.814 ng
RT: 6.963 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:146 Resp: 244757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 51.8 | 77.6 |
| 111 | 46.2 | 37.0 | 55.4 |



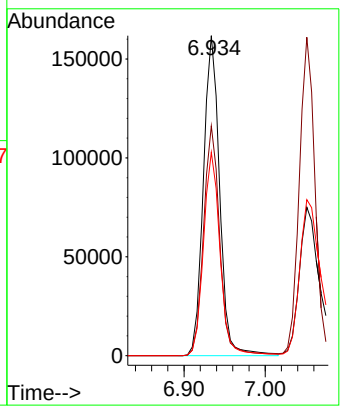


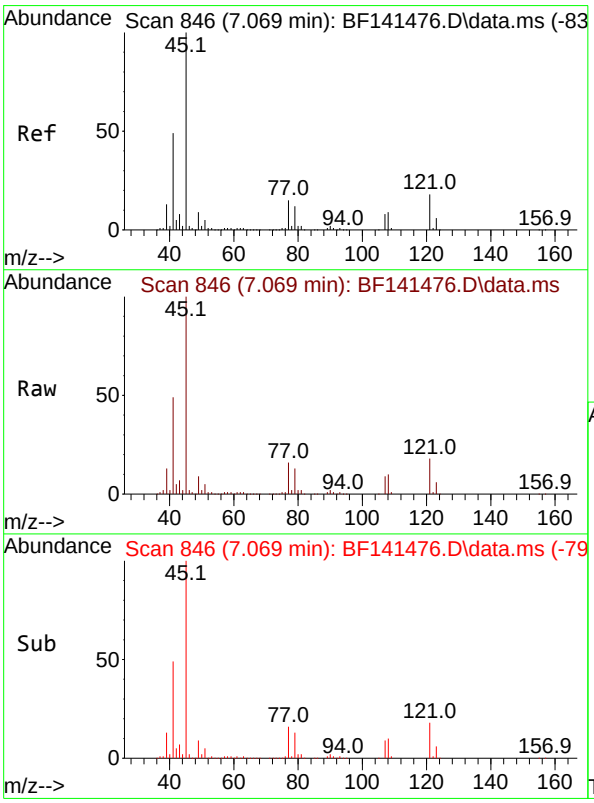

#15
Benzyl Alcohol
Concen: 40.841 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 79 Resp: 224961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 71.8 | 57.4 | 86.2 |
| 77 | 63.6 | 50.9 | 76.3 |

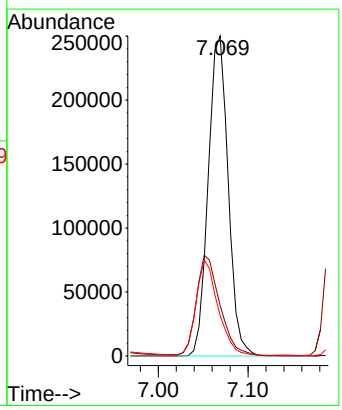


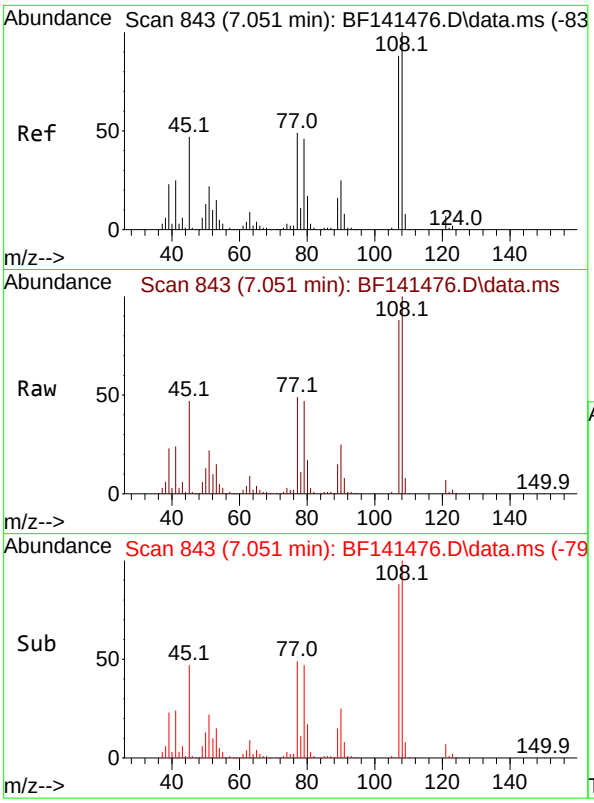




#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.130 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 45 Resp: 385739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 15.8 | 0.0 | 35.8 |
| 79 | 12.7 | 0.0 | 32.7 |



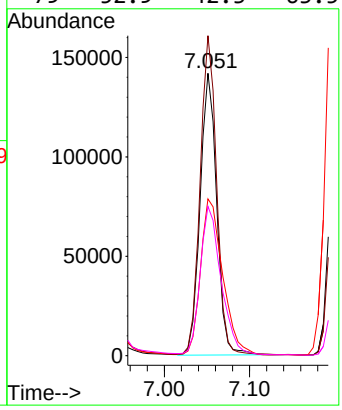


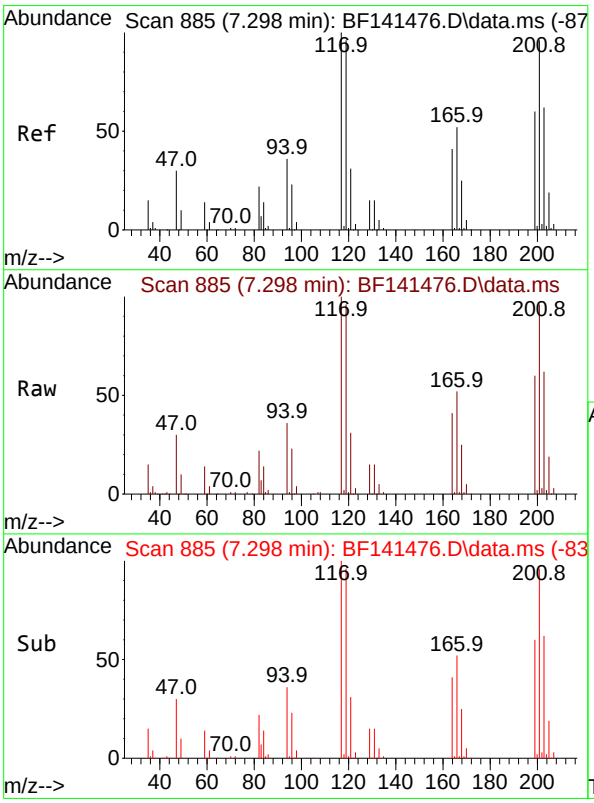

#17
2-Methylphenol
Concen: 39.951 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:107 Resp: 191970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.3 | 90.6 | 136.0 |
| 77 | 55.5 | 44.4 | 66.6 |
| 79 | 52.9 | 42.3 | 63.5 |

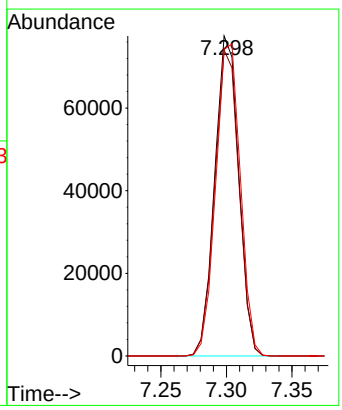


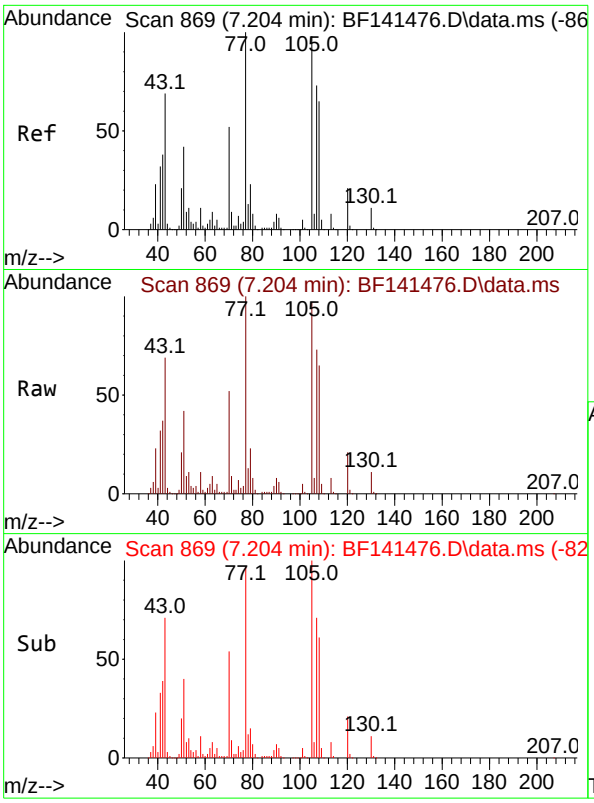




#18
Hexachloroethane
Concen: 40.215 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:117 Resp: 98581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.6 | 76.5 | 114.7 |
| 201 | 95.9 | 76.7 | 115.1 |



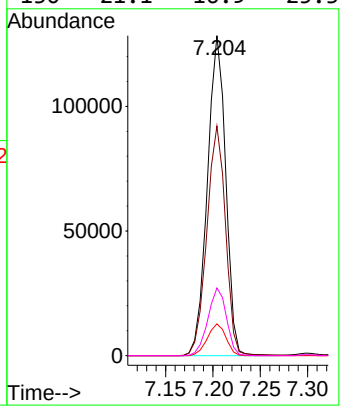


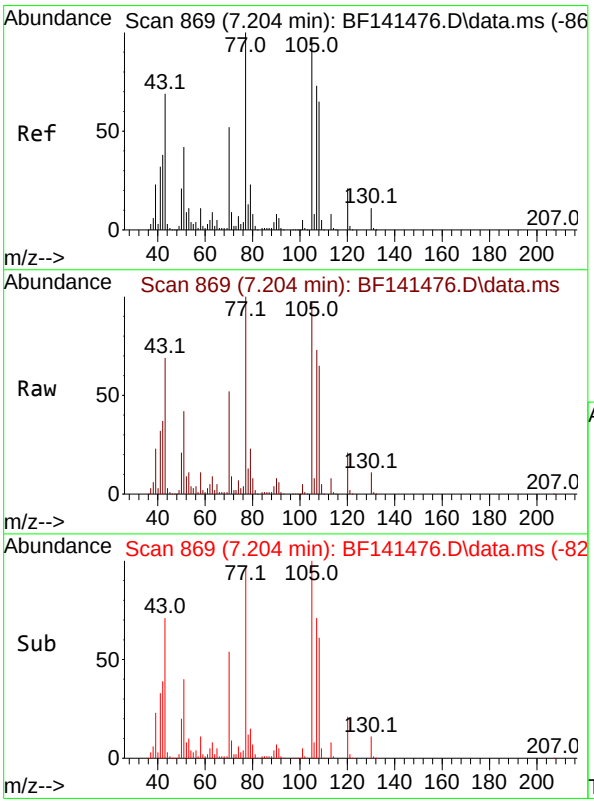

#19
n-Nitroso-di-n-propylamine
Concen: 40.198 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 70 Resp: 172712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 71.8 | 57.4 | 86.2 |
| 101 | 10.0 | 8.0 | 12.0 |
| 130 | 21.1 | 16.9 | 25.3 |

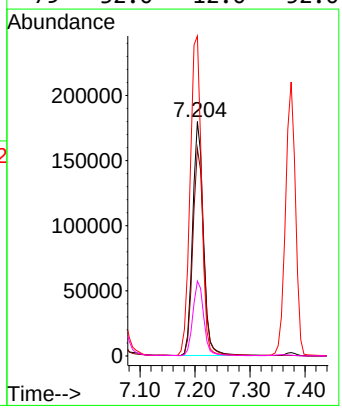


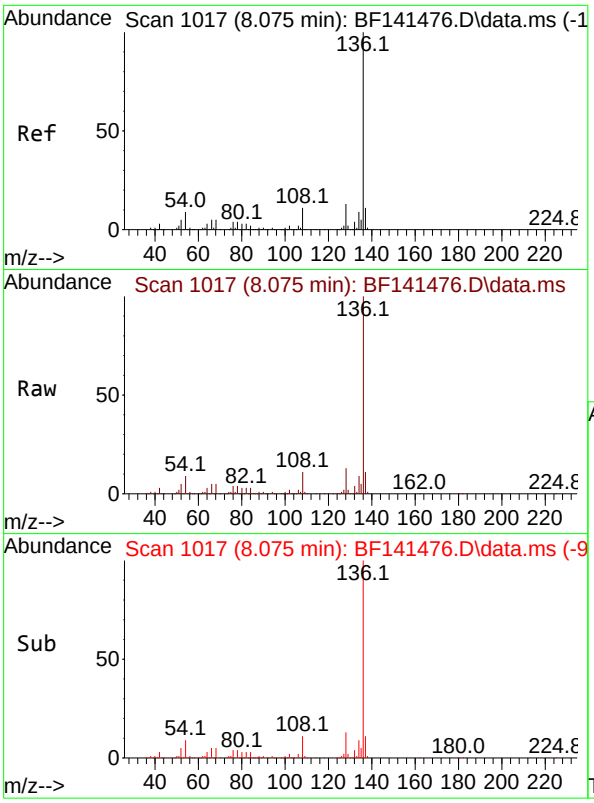




#20
3+4-Methylphenols
Concen: 40.024 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:107 Resp: 244439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.5 | 68.5 | 108.5 |
| 77 | 136.5 | 116.5 | 156.5 |
| 79 | 32.0 | 12.0 | 52.0 |



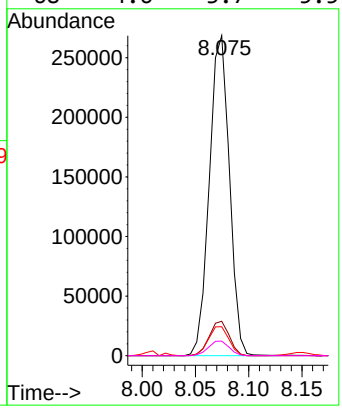


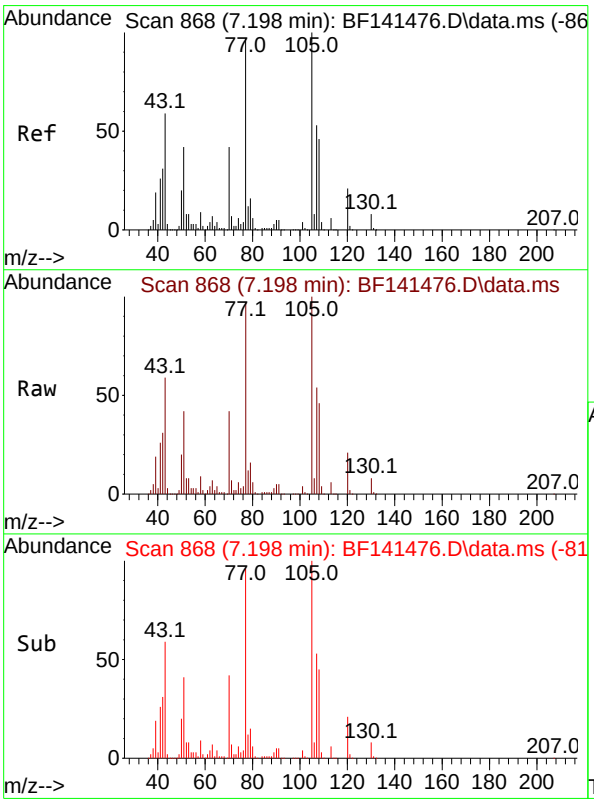

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:136 Resp: 351555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.6 | 13.0 |
| 54 | 9.0 | 7.2 | 10.8 |
| 68 | 4.6 | 3.7 | 5.5 |

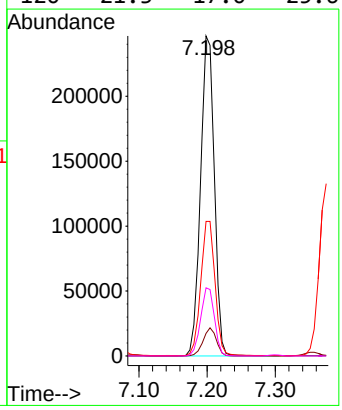


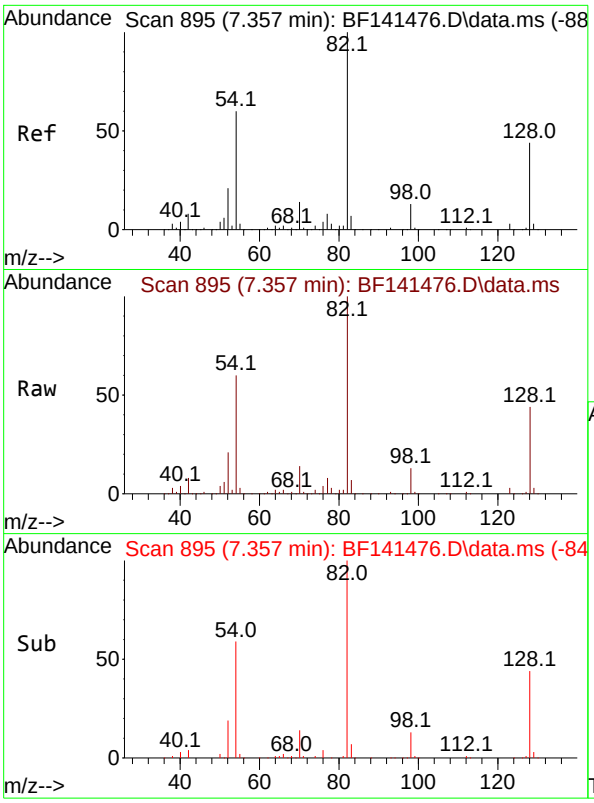




#22
Acetophenone
Concen: 39.649 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:105 Resp: 346731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.1 | 5.7 | 8.5 |
| 51 | 42.1 | 33.7 | 50.5 |
| 120 | 21.3 | 17.0 | 25.6 |



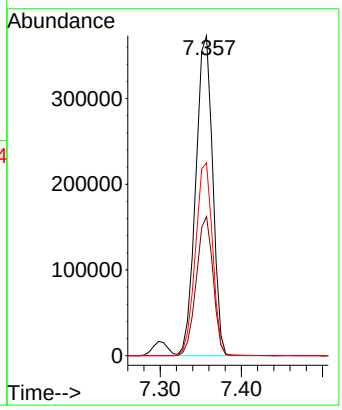


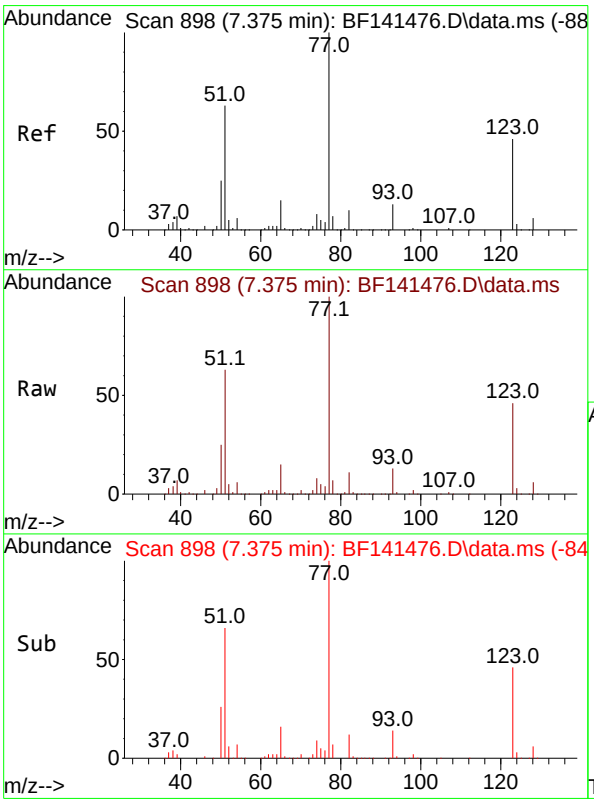

#23
Nitrobenzene-d5
Concen: 80.234 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 82 Resp: 540793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.5 | 34.8 | 52.2 |
| 54 | 60.3 | 48.2 | 72.4 |

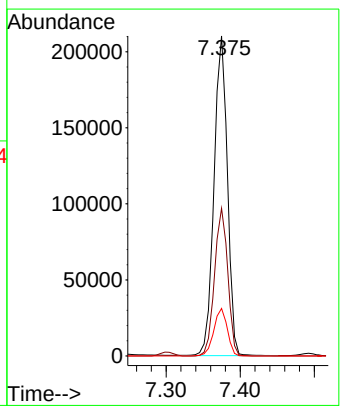


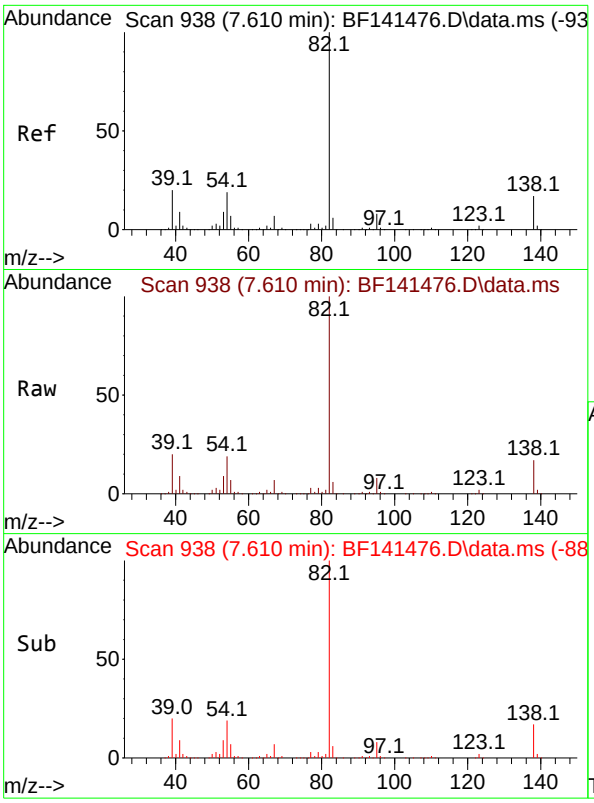




#24
Nitrobenzene
Concen: 40.044 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 77 Resp: 263188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.1 | 36.9 | 55.3 |
| 65 | 14.9 | 11.9 | 17.9 |



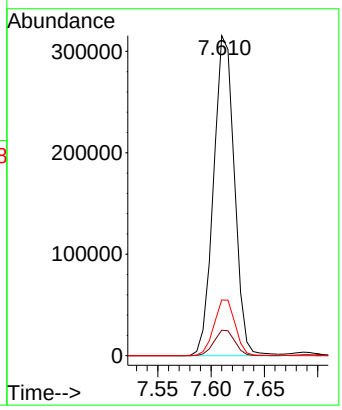


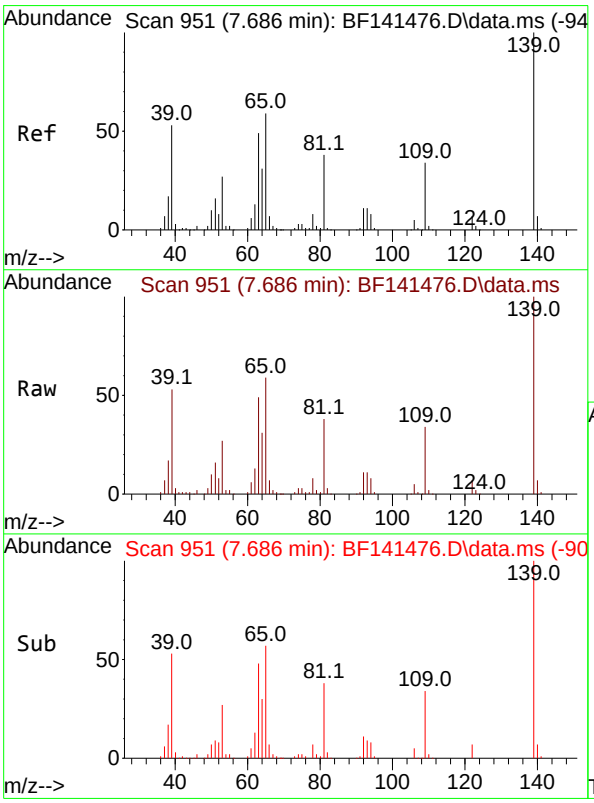

#25
Isophorone
Concen: 39.948 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 82 Resp: 429323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.0 | 6.4 | 9.6 |
| 138 | 17.4 | 13.9 | 20.9 |

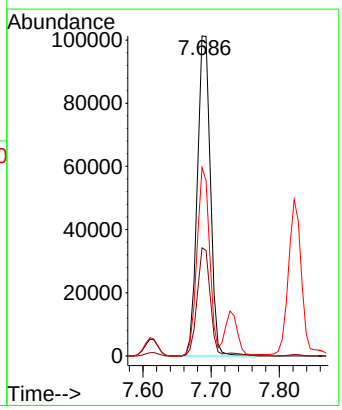


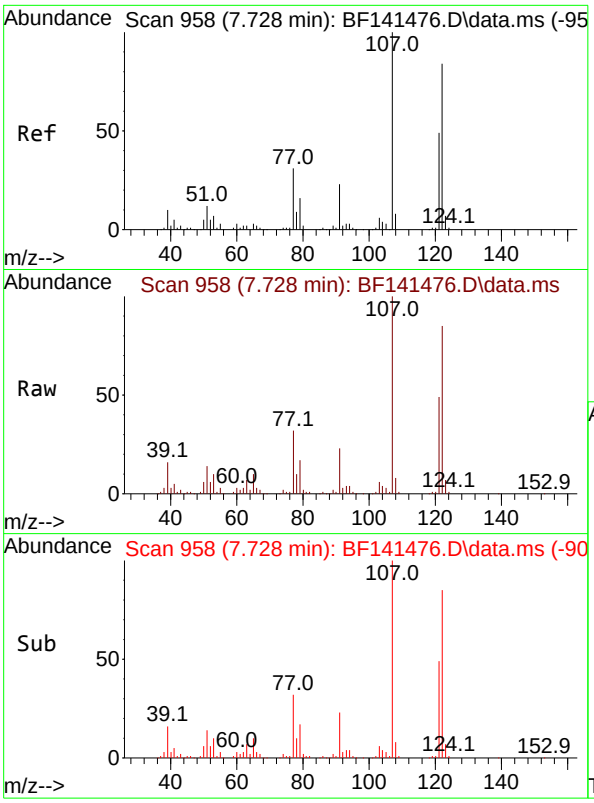




#26
2-Nitrophenol
Concen: 41.394 ng
RT: 7.686 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:139 Resp: 135355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.8 | 27.0 | 40.6 |
| 65 | 58.9 | 47.1 | 70.7 |



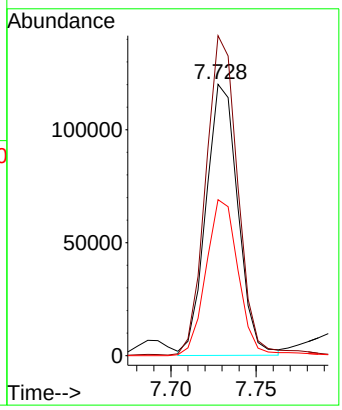


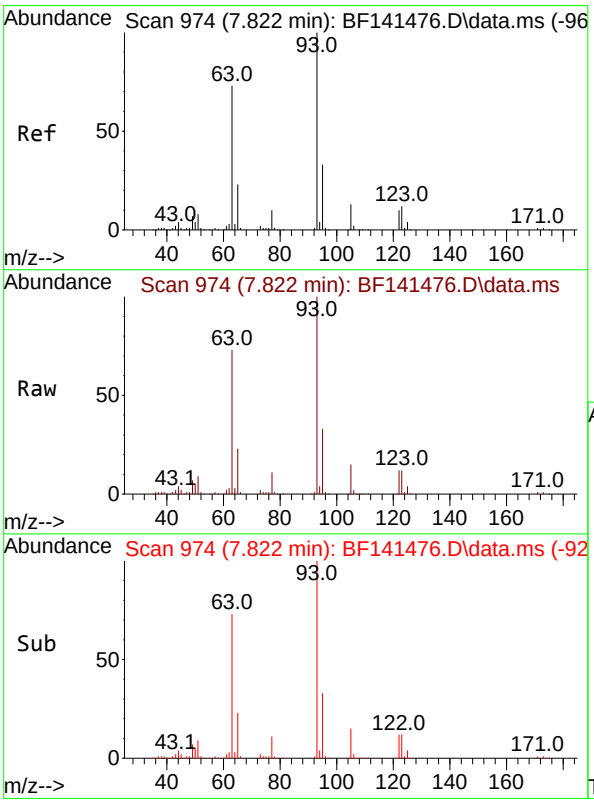

#27
2,4-Dimethylphenol
Concen: 41.012 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:122 Resp: 156665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 117.9 | 94.3 | 141.5 |
| 121 | 57.5 | 46.0 | 69.0 |

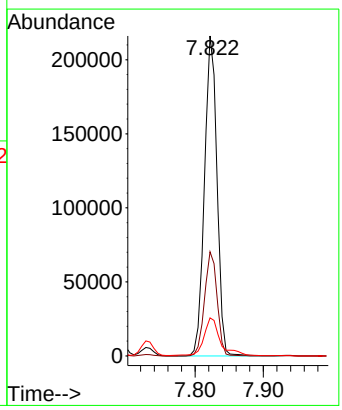


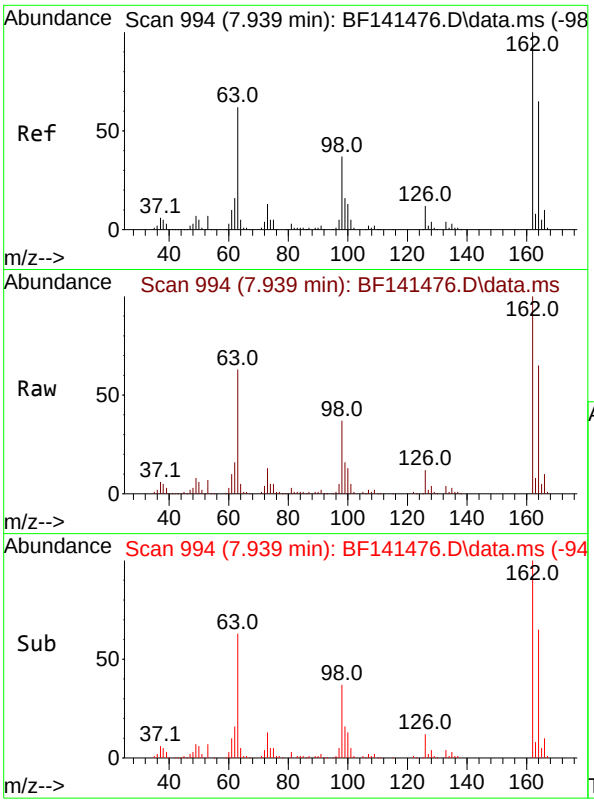




#28
bis(2-Chloroethoxy)methane
Concen: 40.185 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 93 Resp: 276730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.6 | 26.1 | 39.1 |
| 123 | 11.9 | 9.5 | 14.3 |



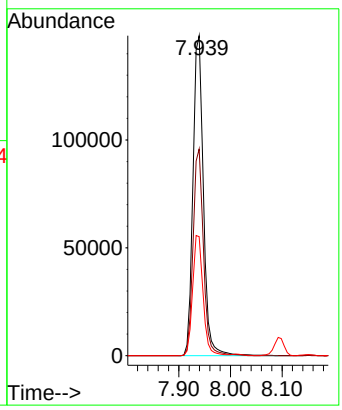


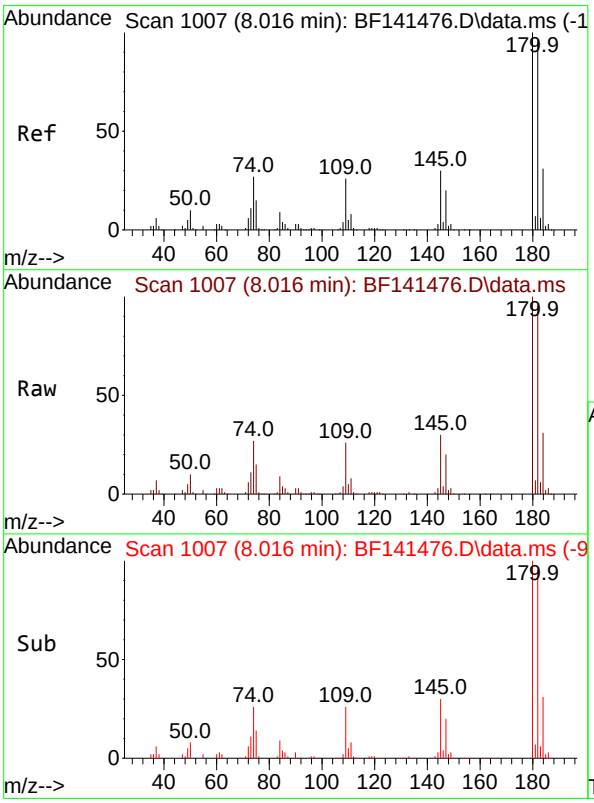

#29
2,4-Dichlorophenol
Concen: 40.375 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:162 Resp: 208390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.6 | 44.6 | 84.6 |
| 98 | 37.2 | 17.2 | 57.2 |

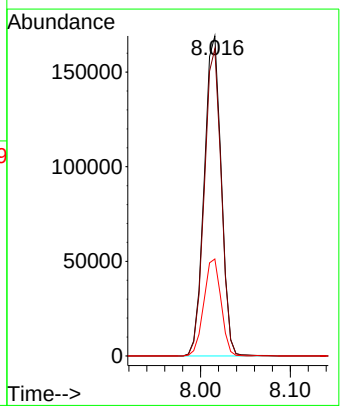


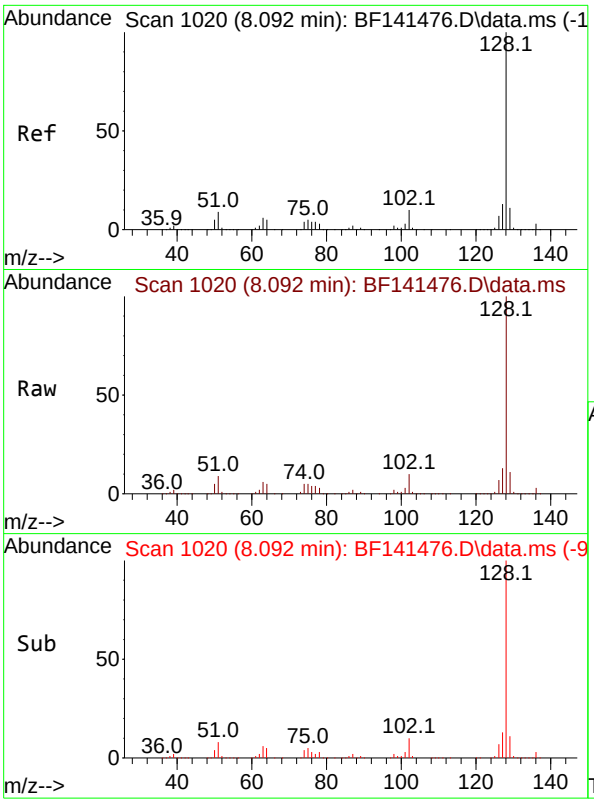




#30
1,2,4-Trichlorobenzene
Concen: 39.619 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:180 Resp: 222679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 76.8 | 115.2 |
| 145 | 30.3 | 24.2 | 36.4 |



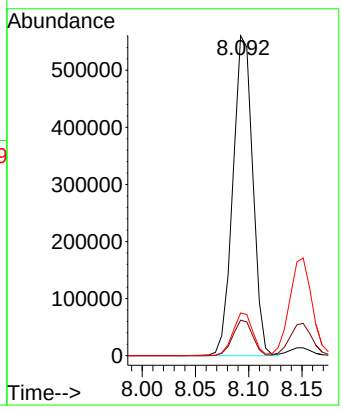


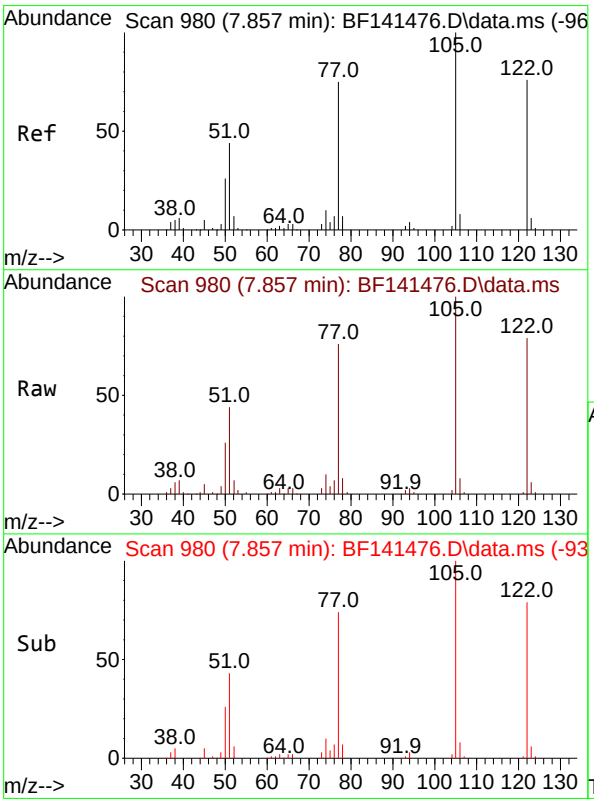

#31
Naphthalene
Concen: 39.856 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:128 Resp: 729358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.9 | 13.3 |
| 127 | 13.4 | 10.7 | 16.1 |

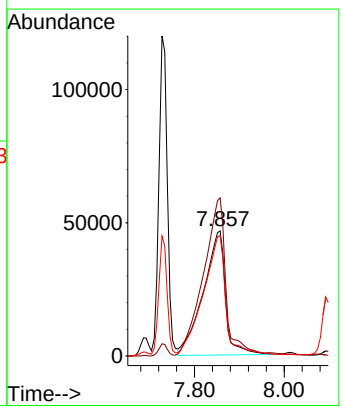


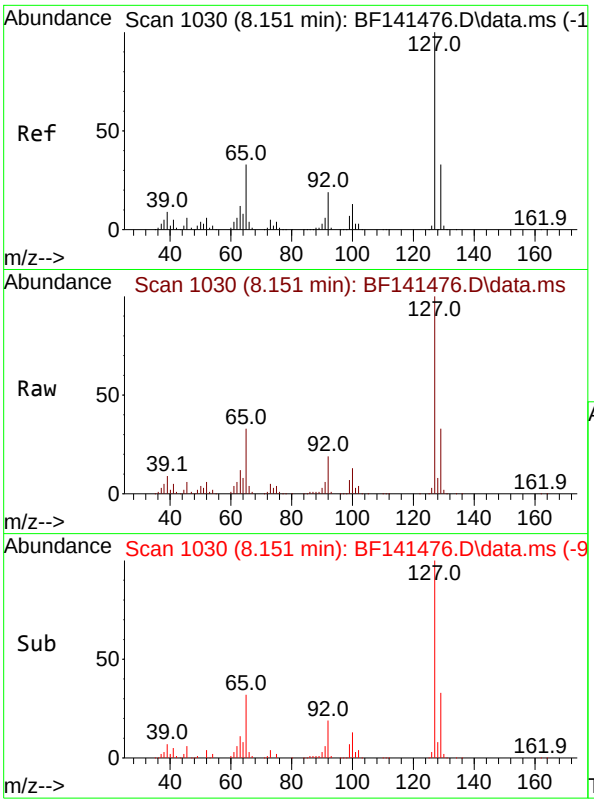




#32
Benzoic acid
Concen: 40.625 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:122 Resp: 161196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 126.5 | 106.5 | 146.5 |
| 77 | 96.3 | 76.3 | 116.3 |



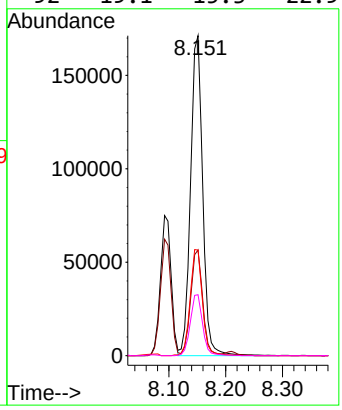


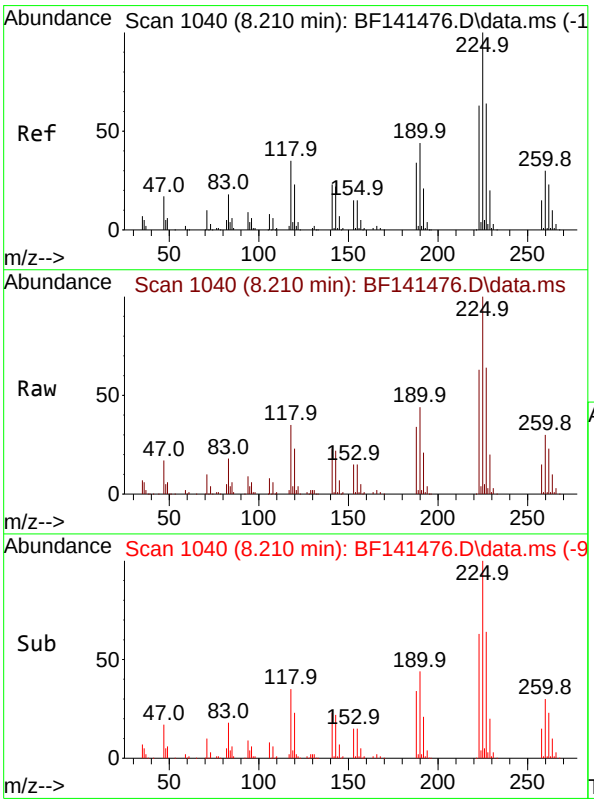

#33
4-Chloroaniline
Concen: 40.029 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:127 Resp: 255749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 33.1 | 26.5 | 39.7 |
| 65 | 33.0 | 26.4 | 39.6 |
| 92 | 19.1 | 15.3 | 22.9 |

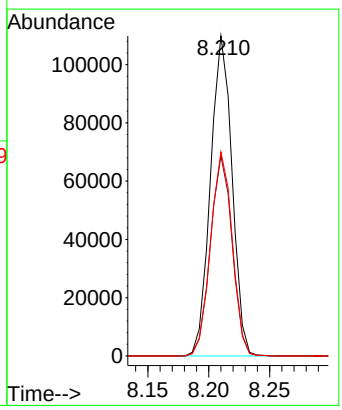


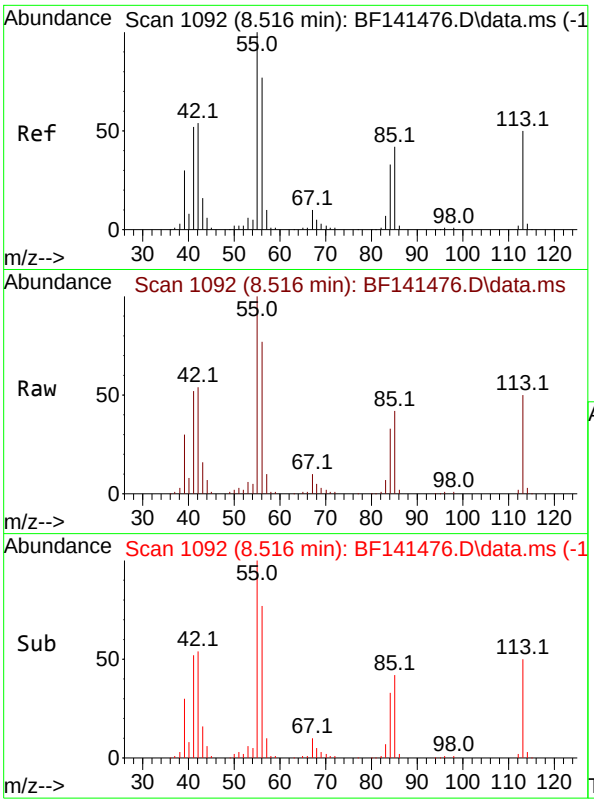




#34
Hexachlorobutadiene
Concen: 40.051 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:225 Resp: 135140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.6 | 50.1 | 75.1 |
| 227 | 63.8 | 51.0 | 76.6 |



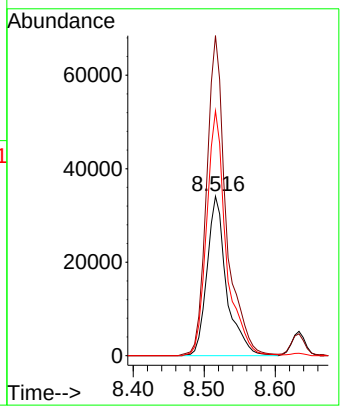


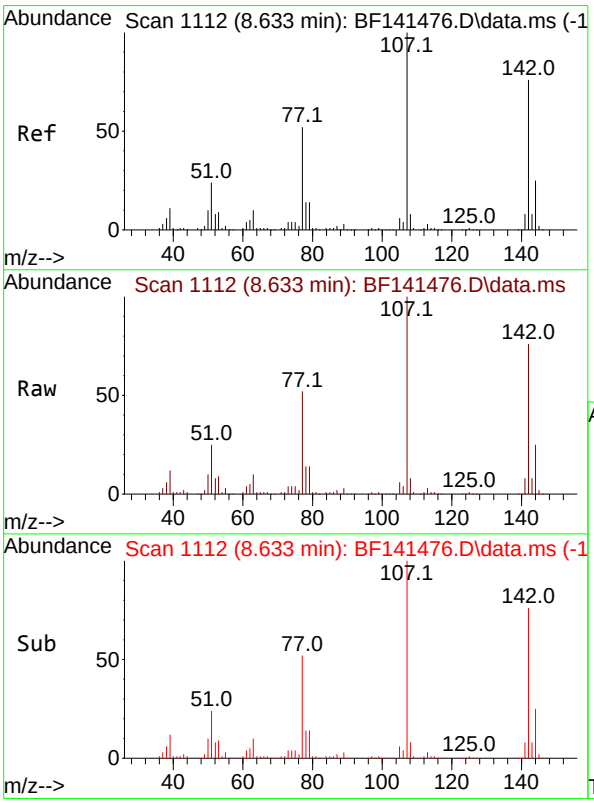

#35
Caprolactam
Concen: 41.461 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:113 Resp: 65155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 200.8 | 180.8 | 220.8 |
| 56 | 153.6 | 133.6 | 173.6 |

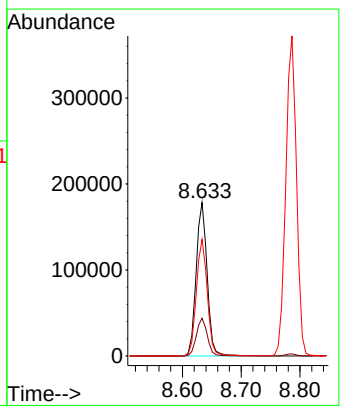


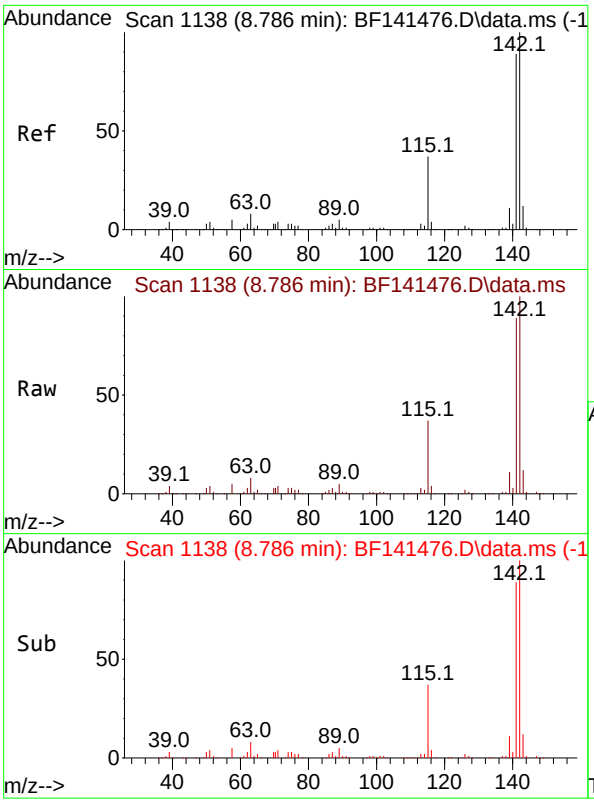




#36
4-Chloro-3-methylphenol
Concen: 40.464 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:107 Resp: 231344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.6 | 19.7 | 29.5 |
| 142 | 76.0 | 60.8 | 91.2 |



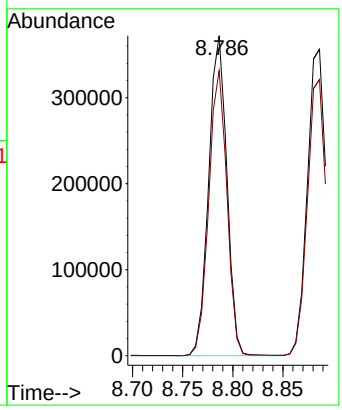


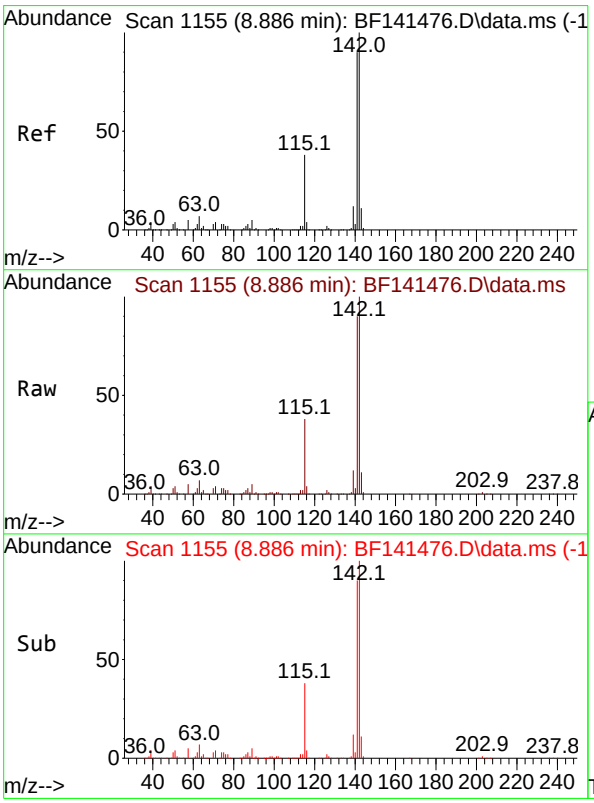

#37
2-Methylnaphthalene
Concen: 39.496 ng
RT: 8.786 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:142 Resp: 470332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.0 | 71.2 | 106.8 |

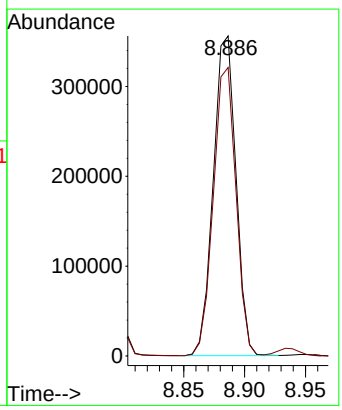


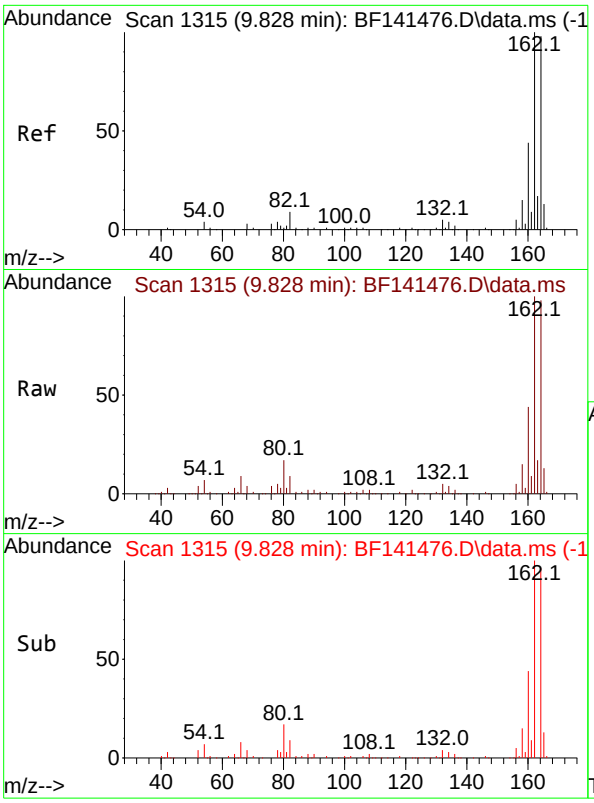




#38
1-Methylnaphthalene
Concen: 39.987 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:142 Resp: 461189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.1 | 72.1 | 108.1 |



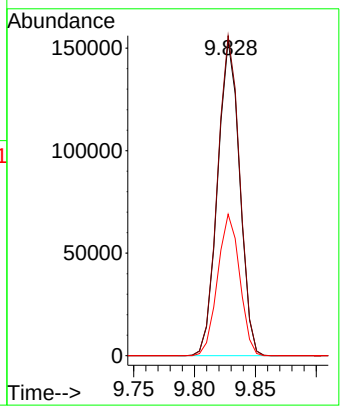


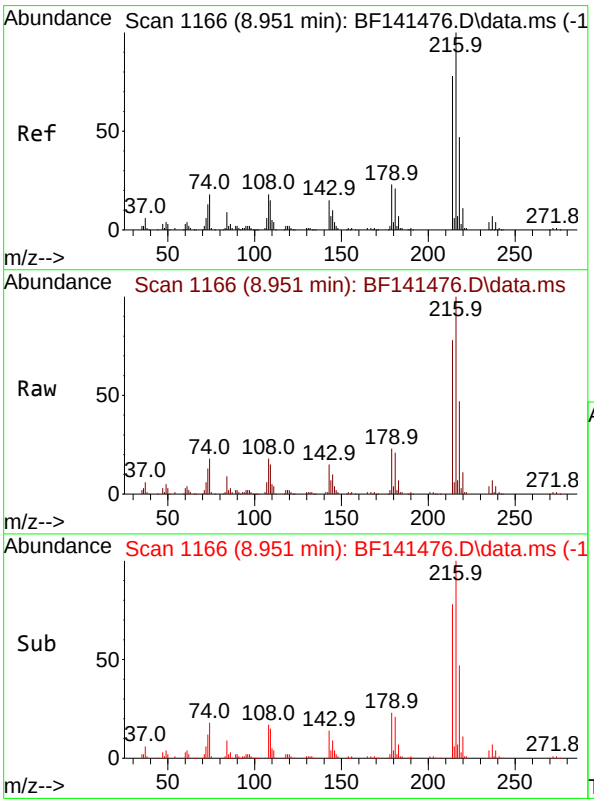

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:164 Resp: 193385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.6 | 81.3 | 121.9 |
| 160 | 44.9 | 35.9 | 53.9 |

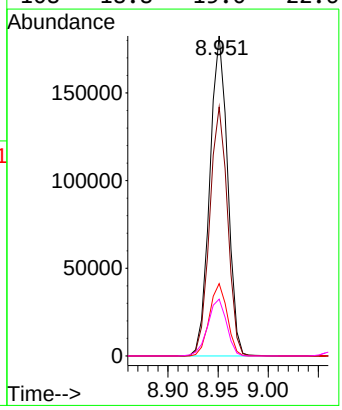


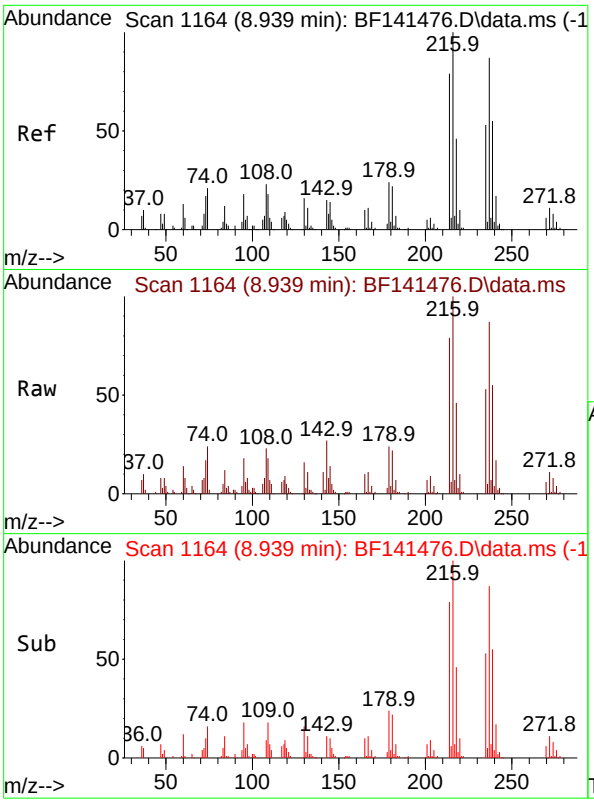




#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.383 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:216 Resp: 225938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 77.9 | 62.3 | 93.5 |
| 179 | 22.5 | 18.0 | 27.0 |
| 108 | 18.8 | 15.0 | 22.6 |



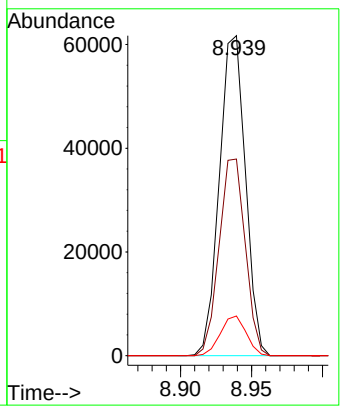


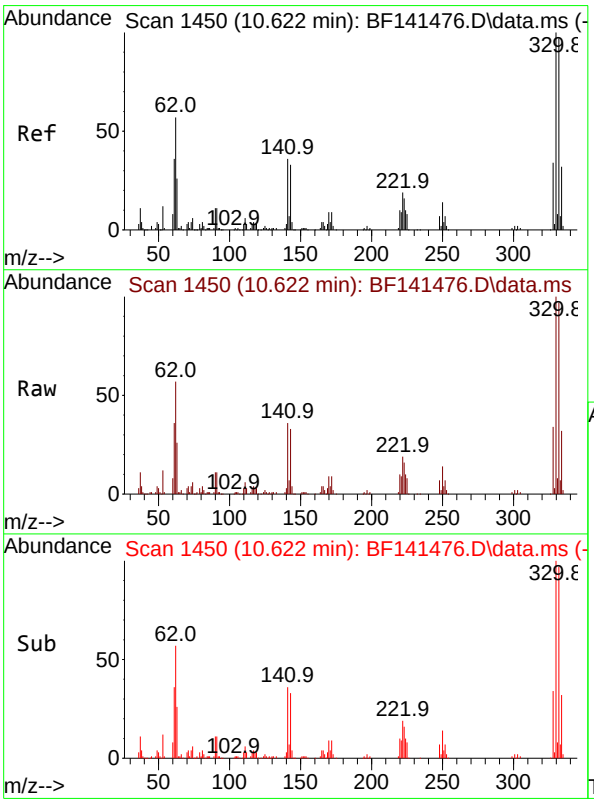

#41
Hexachlorocyclopentadiene
Concen: 42.325 ng
RT: 8.939 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:237 Resp: 78762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.4 | 41.4 | 81.4 |
| 272 | 12.4 | 0.0 | 32.4 |

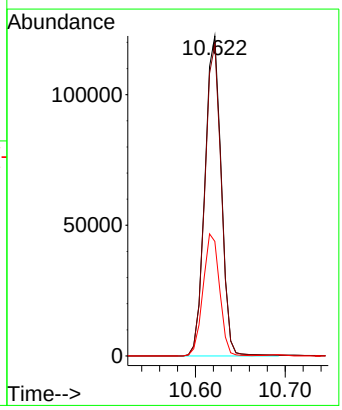


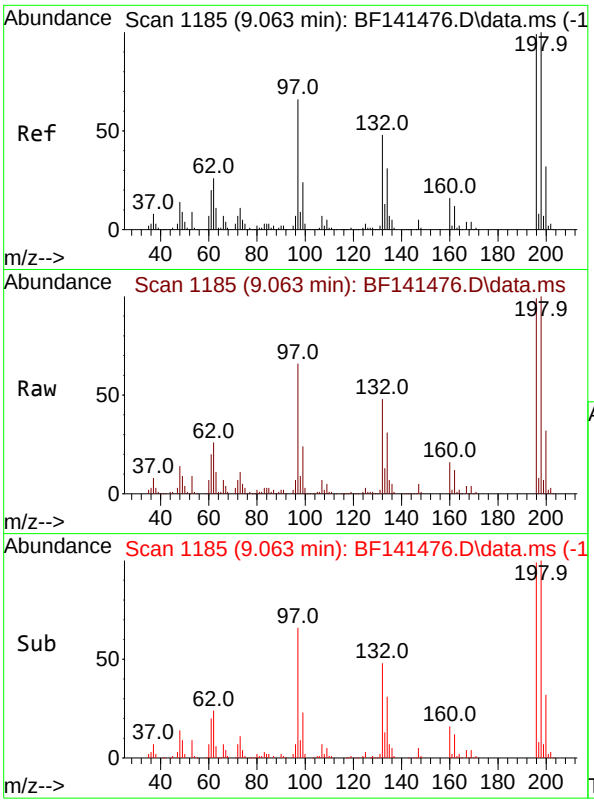




#42
2,4,6-Tribromophenol
Concen: 79.647 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:330 Resp: 154725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.1 | 78.5 | 117.7 |
| 141 | 38.7 | 31.0 | 46.4 |



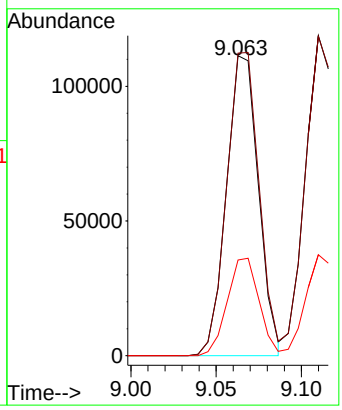


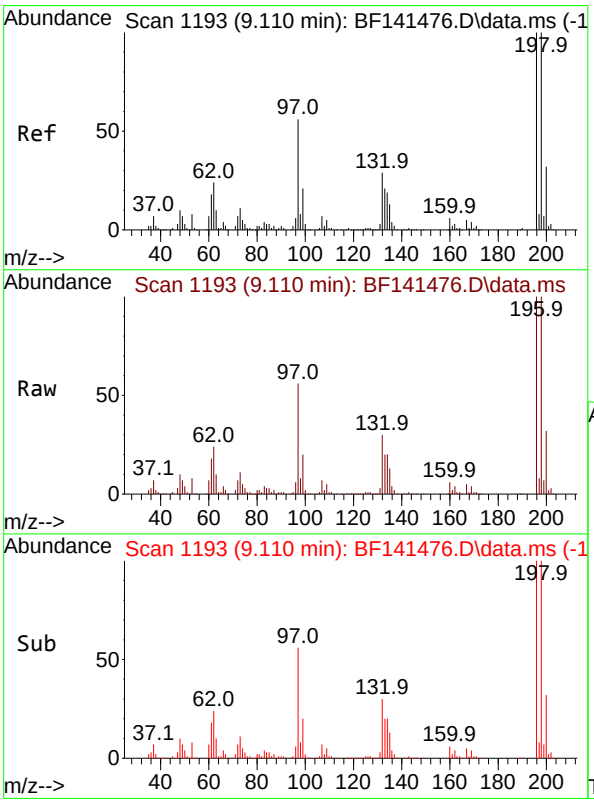

#43
2,4,6-Trichlorophenol
Concen: 40.288 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:196 Resp: 145682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.8 | 80.6 | 121.0 |
| 200 | 31.9 | 25.5 | 38.3 |

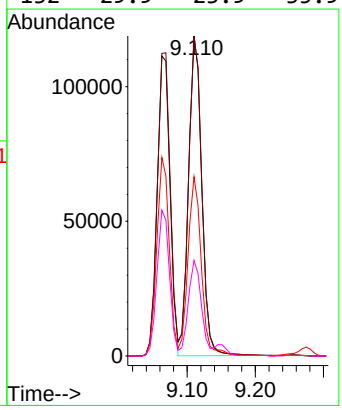


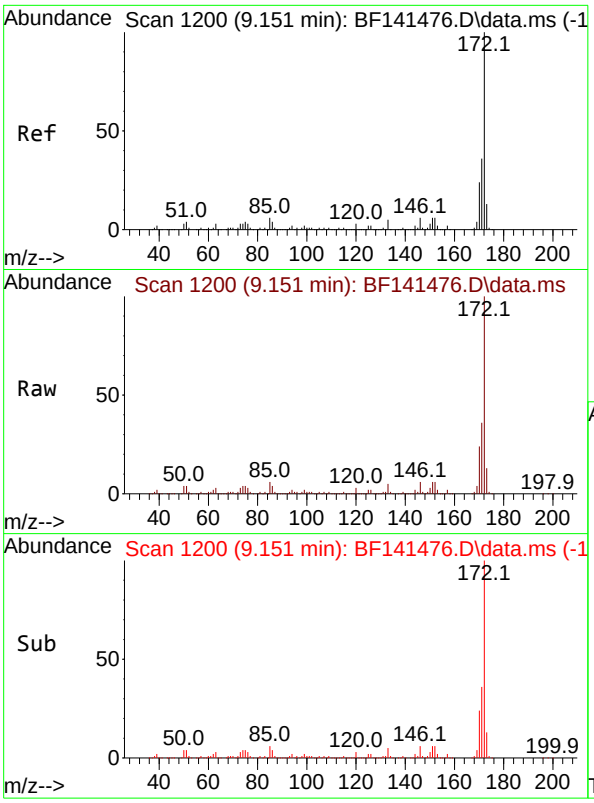




#44
2,4,5-Trichlorophenol
Concen: 40.492 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:196 Resp: 158685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.8 | 79.8 | 119.8 |
| 97 | 56.0 | 44.8 | 67.2 |
| 132 | 29.9 | 23.9 | 35.9 |



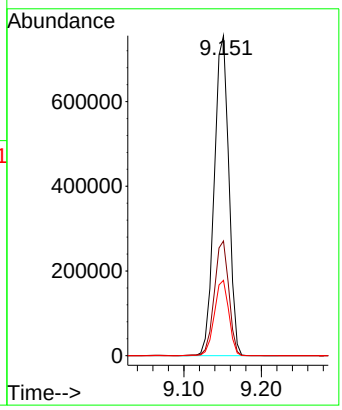


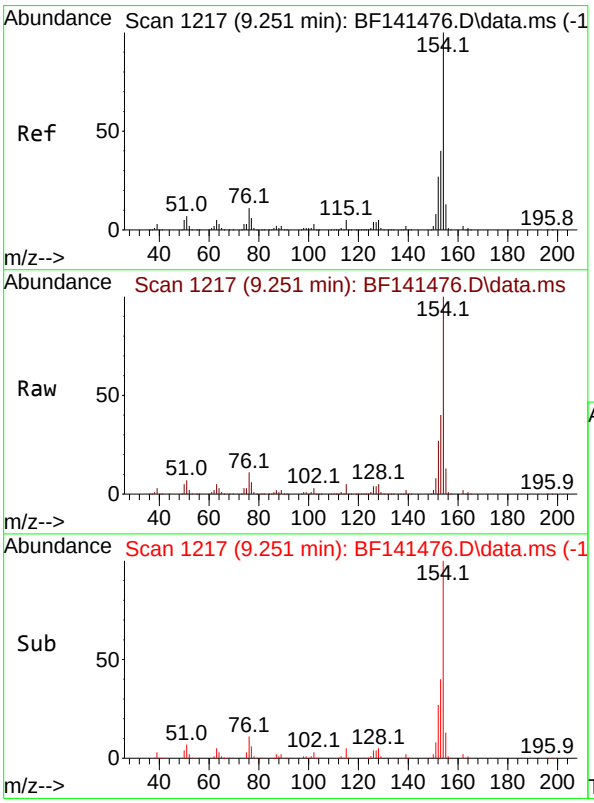

#45
2-Fluorobiphenyl
Concen: 78.189 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:172 Resp: 981440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 28.7 | 43.1 |
| 170 | 23.6 | 18.9 | 28.3 |

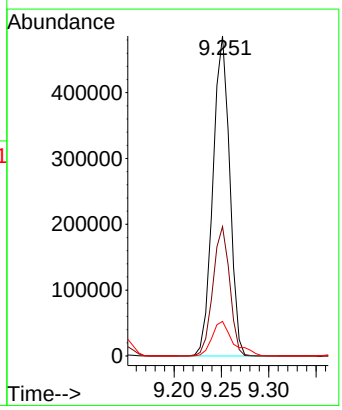


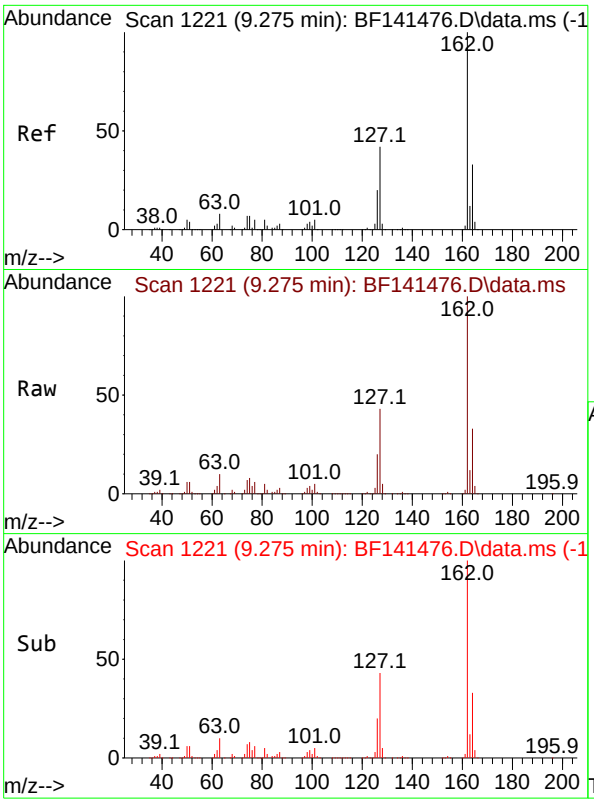




#46
1,1'-Biphenyl
Concen: 39.846 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:154 Resp: 597404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.4 | 20.4 | 60.4 |
| 76 | 10.8 | 0.0 | 30.8 |



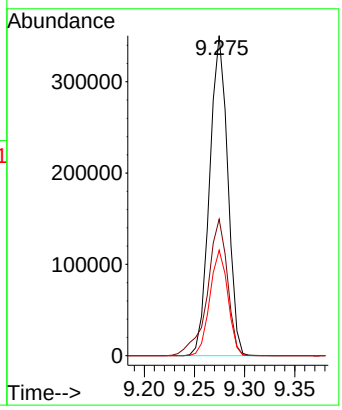


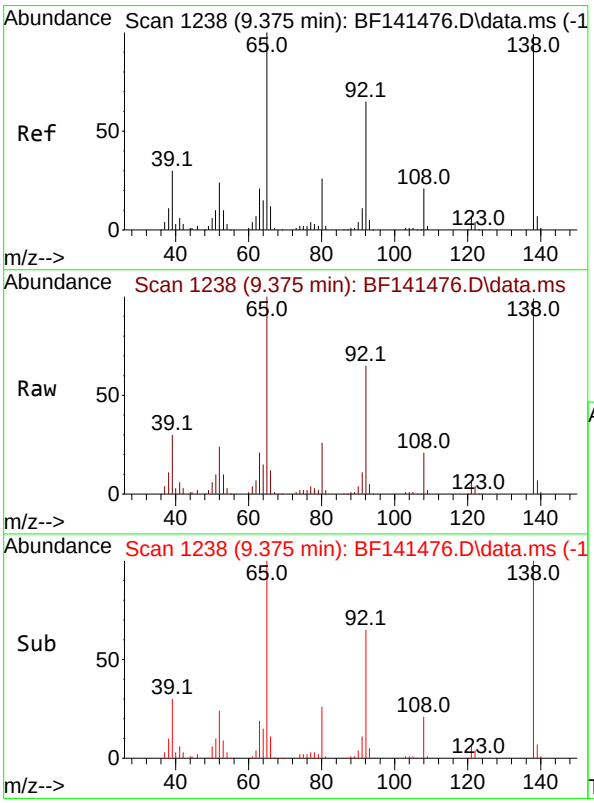

#47
2-Chloronaphthalene
Concen: 39.590 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:162 Resp: 438926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.6 | 34.1 | 51.1 |
| 164 | 32.9 | 26.3 | 39.5 |

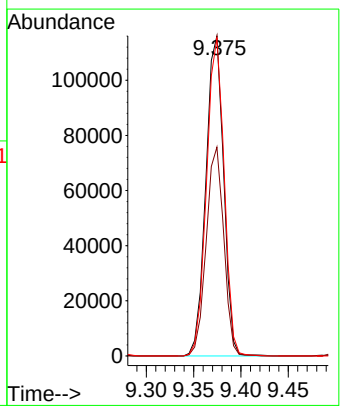


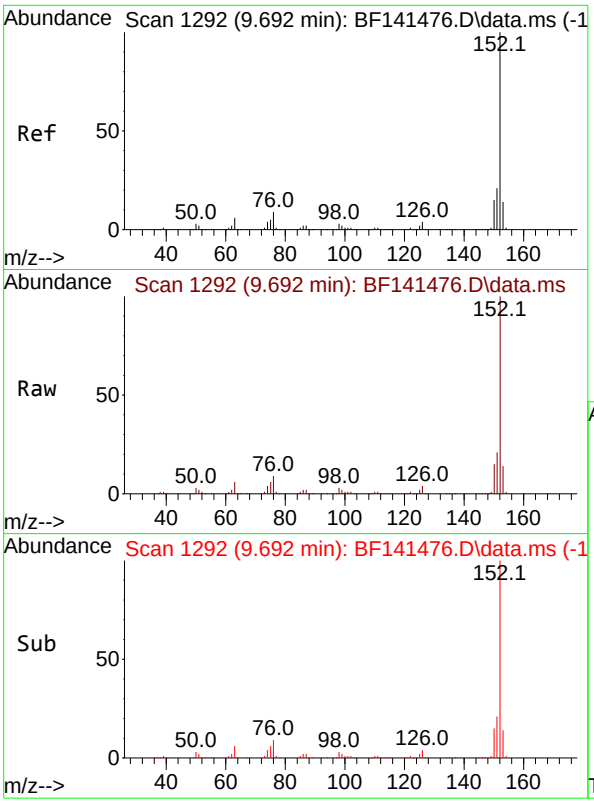




#48
2-Nitroaniline
Concen: 40.563 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 65 Resp: 150922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 65.2 | 52.2 | 78.2 |
| 138 | 99.4 | 79.5 | 119.3 |



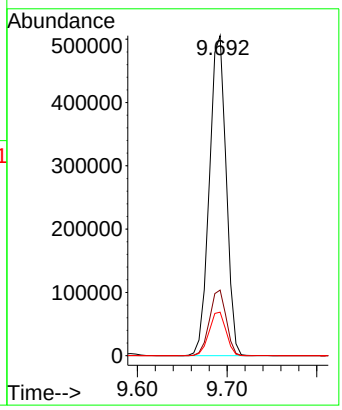


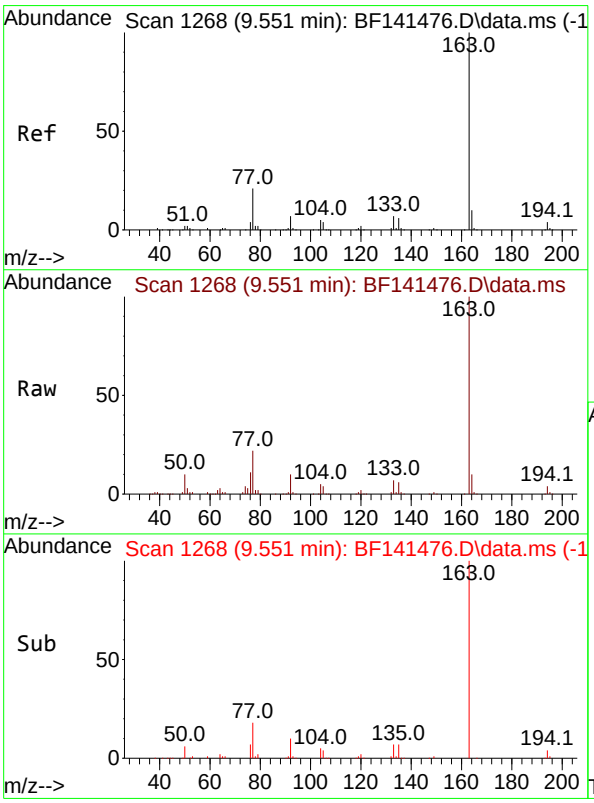

#49
Acenaphthylene
Concen: 39.789 ng
RT: 9.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:152 Resp: 656124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.4 | 24.6 |
| 153 | 13.6 | 10.9 | 16.3 |

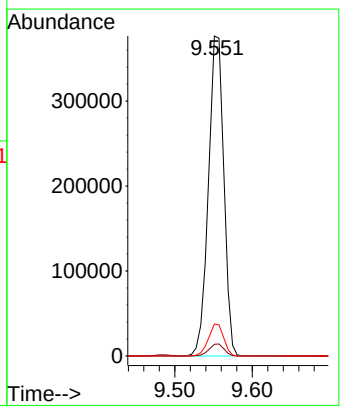


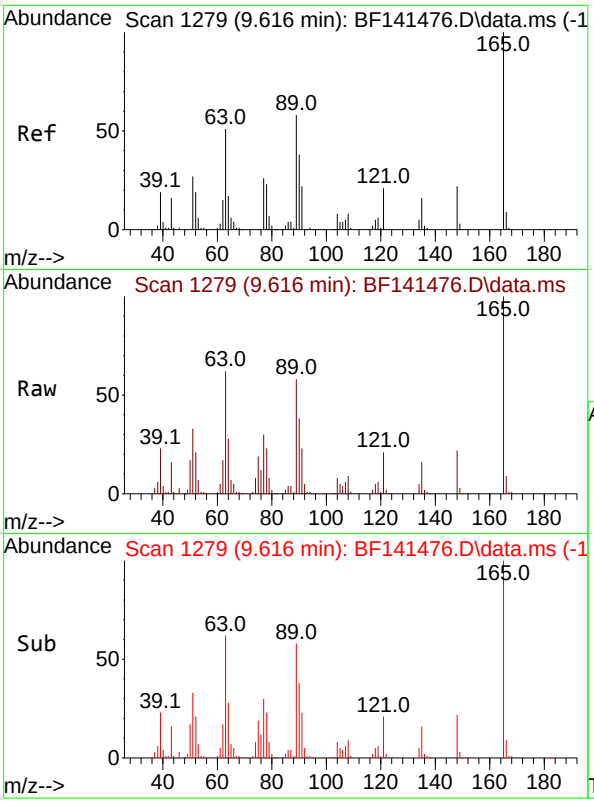




#50
Dimethylphthalate
Concen: 39.638 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:163 Resp: 520384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.7 | 3.0 | 4.4 |
| 164 | 9.9 | 7.9 | 11.9 |



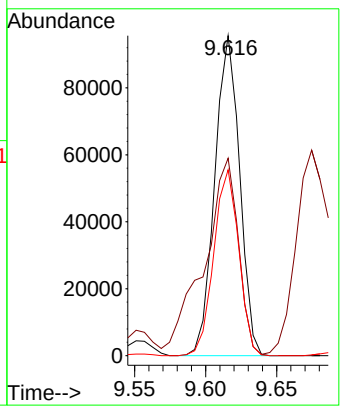


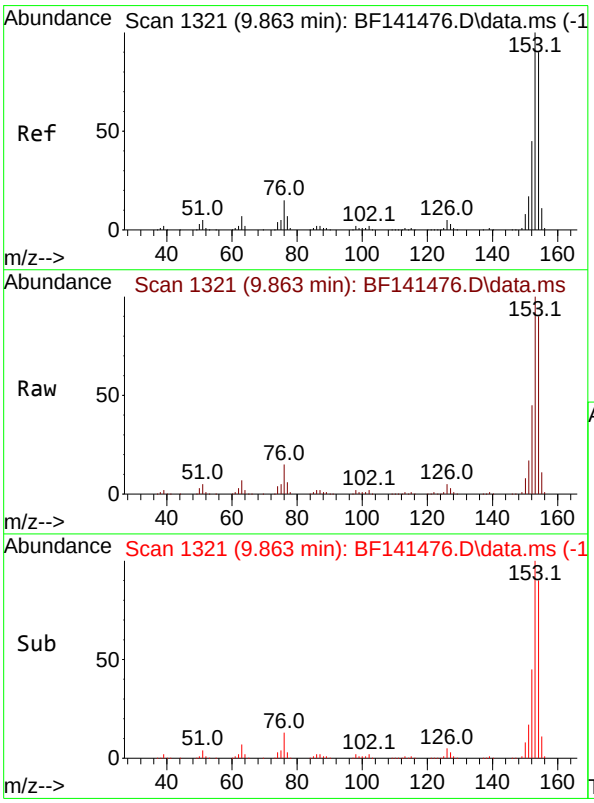

#51
2,6-Dinitrotoluene
Concen: 40.536 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:165 Resp: 116338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.7 | 49.4 | 74.0 |
| 89 | 58.1 | 46.5 | 69.7 |

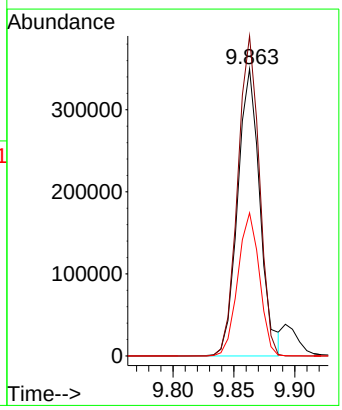


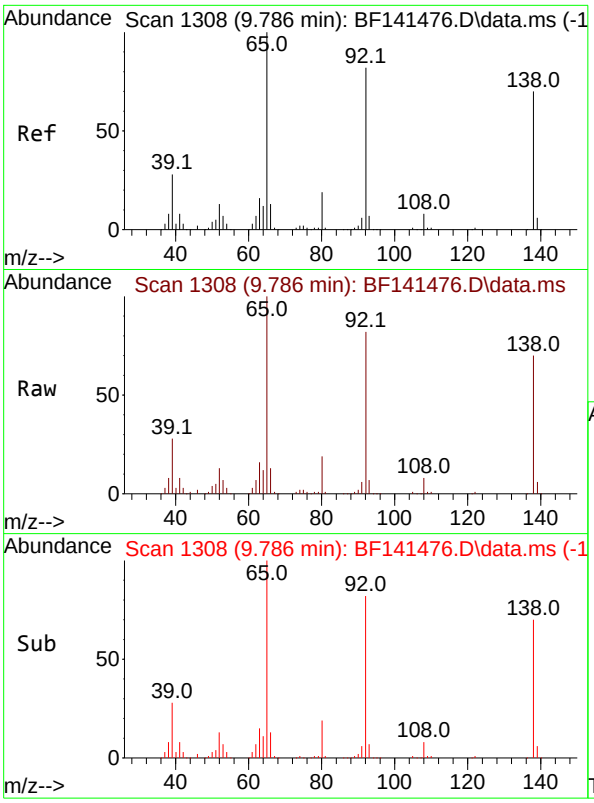




#52
Acenaphthene
Concen: 40.186 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:154 Resp: 445515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.5 | 89.2 | 133.8 |
| 152 | 49.8 | 39.8 | 59.8 |



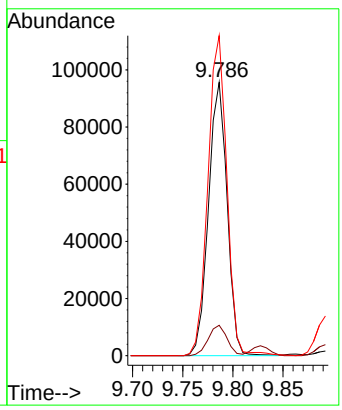


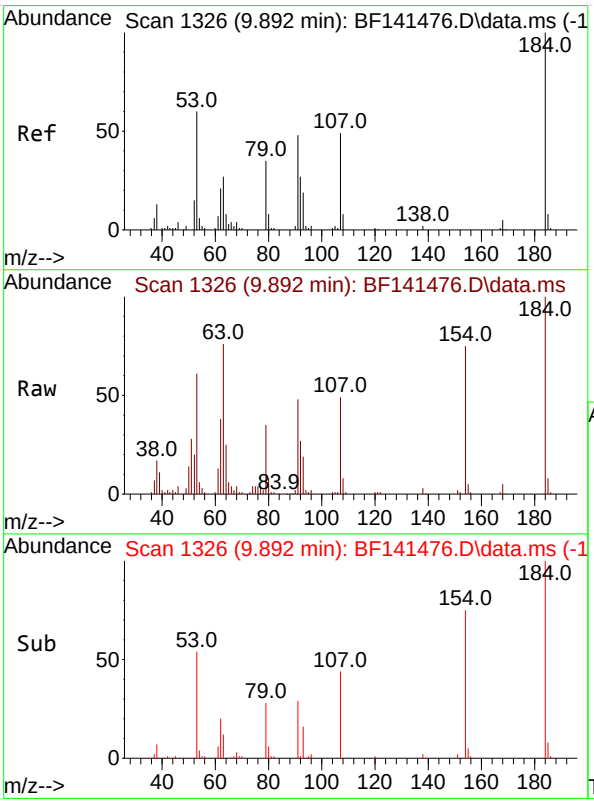

#53
3-Nitroaniline
Concen: 39.991 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:138 Resp: 123530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.2 | 9.0 | 13.4 |
| 92 | 117.1 | 93.7 | 140.5 |

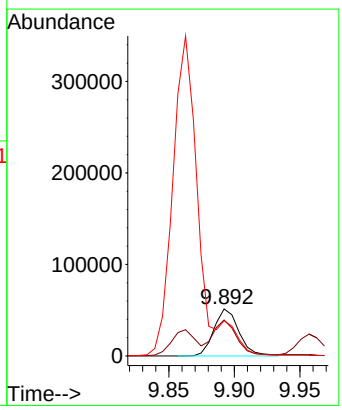


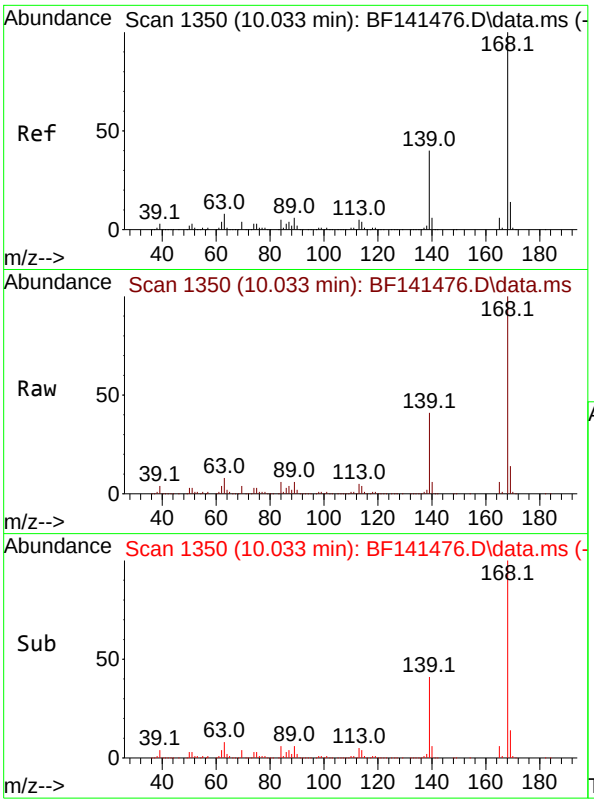




#54
2,4-Dinitrophenol
Concen: 40.153 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:184 Resp: 68489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 76.3 | 61.0 | 91.6 |
| 154 | 74.9 | 59.9 | 89.9 |



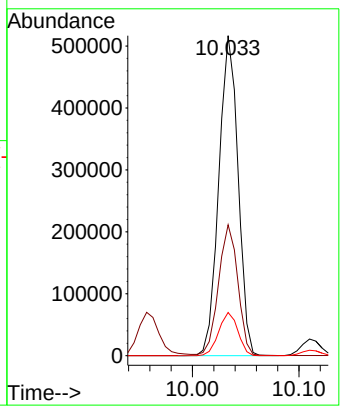


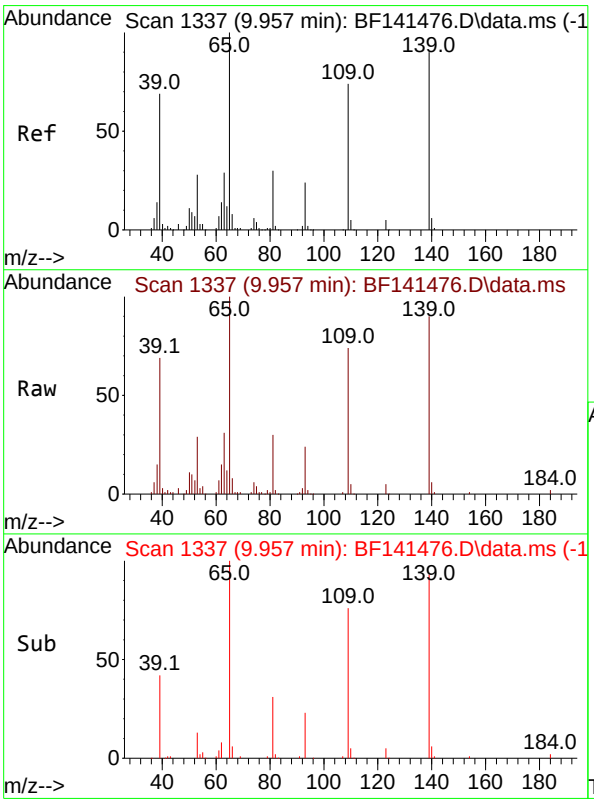

#55
Dibenzofuran
Concen: 39.775 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:168 Resp: 647242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.9 | 32.7 | 49.1 |
| 169 | 13.5 | 10.8 | 16.2 |

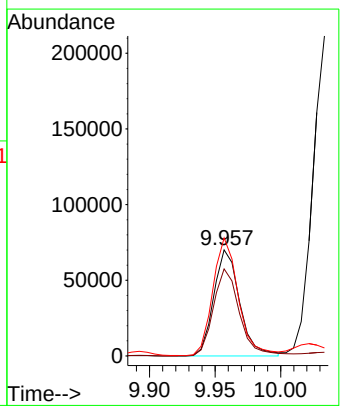


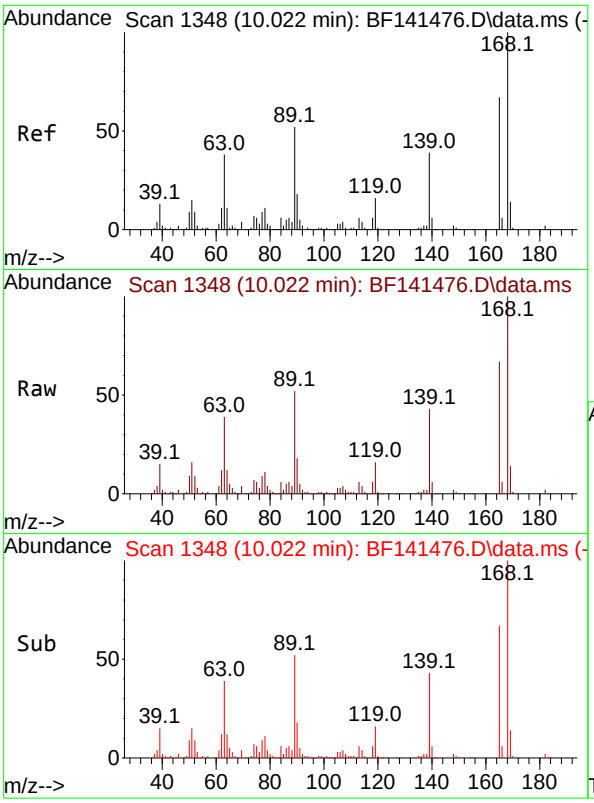




#56
4-Nitrophenol
Concen: 42.065 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:139 Resp: 96456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 82.0 | 62.0 | 102.0 |
| 65 | 111.2 | 91.2 | 131.2 |



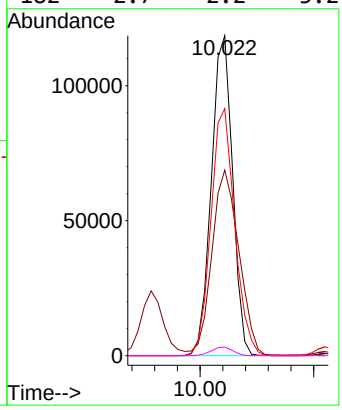


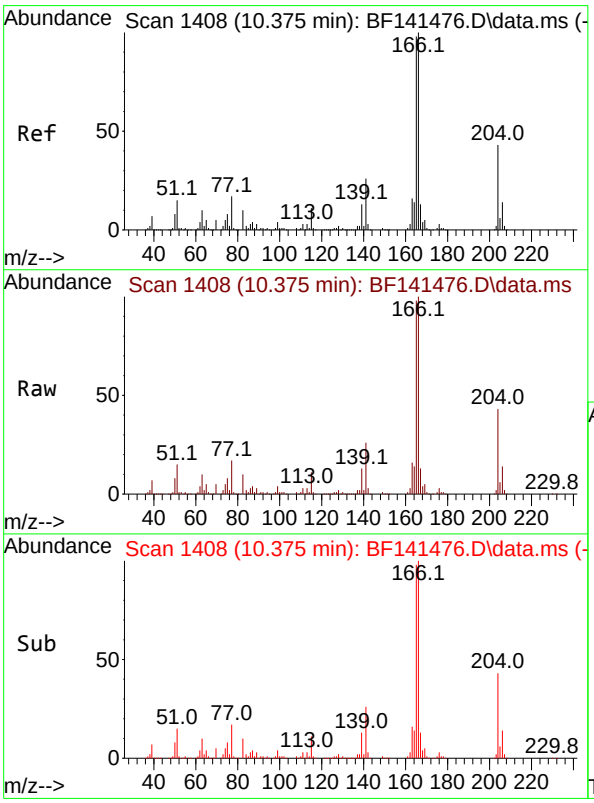

#57
2,4-Dinitrotoluene
Concen: 40.262 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:165 Resp: 153824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 58.0 | 46.4 | 69.6 |
| 89 | 77.2 | 61.8 | 92.6 |
| 182 | 2.7 | 2.2 | 3.2 |

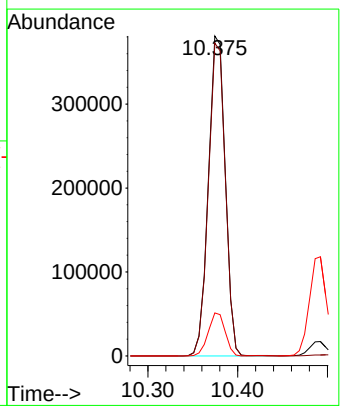


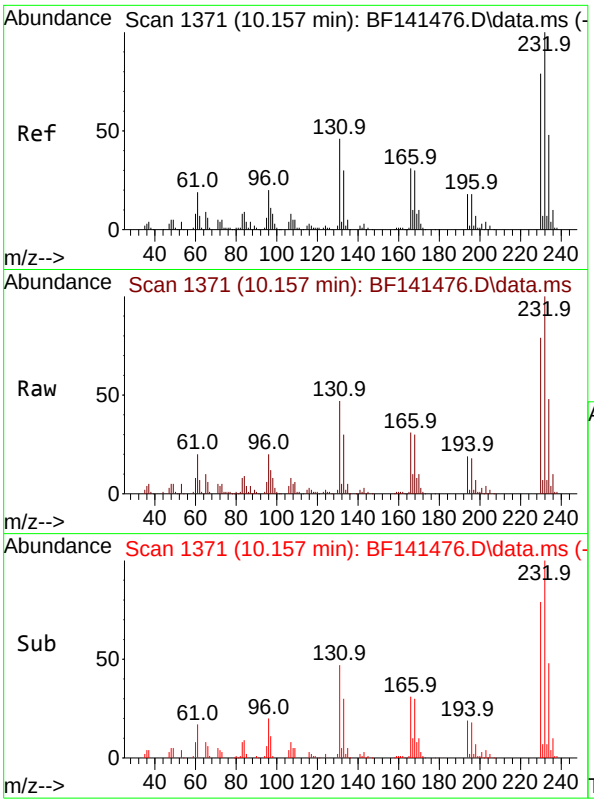




#58
Fluorene
Concen: 39.654 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:166 Resp: 498929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.7 | 78.2 | 117.2 |
| 167 | 13.4 | 10.7 | 16.1 |



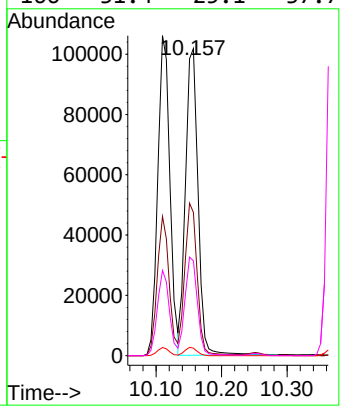


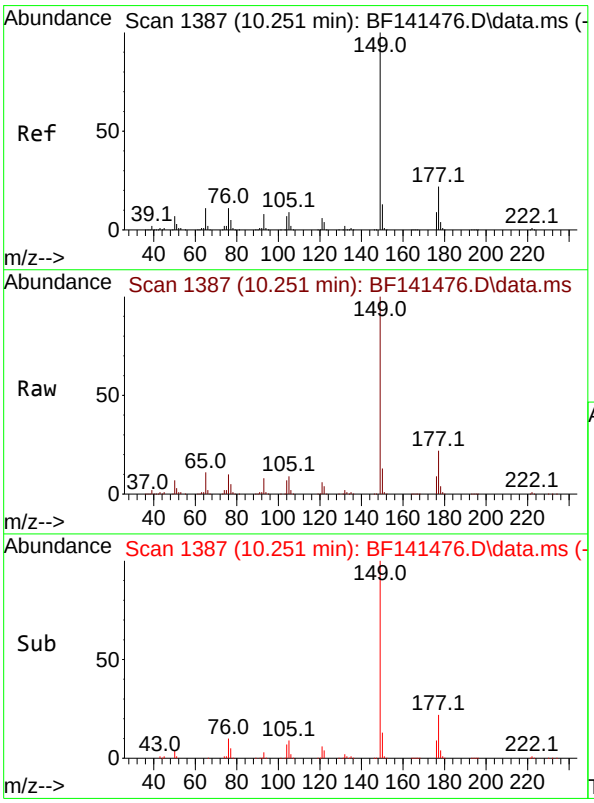

#59
2,3,4,6-Tetrachlorophenol
Concen: 39.888 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:232 Resp: 134581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 49.0 | 39.2 | 58.8 |
| 130 | 2.6 | 2.1 | 3.1 |
| 166 | 31.4 | 25.1 | 37.7 |

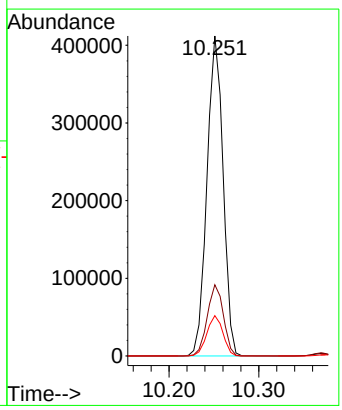


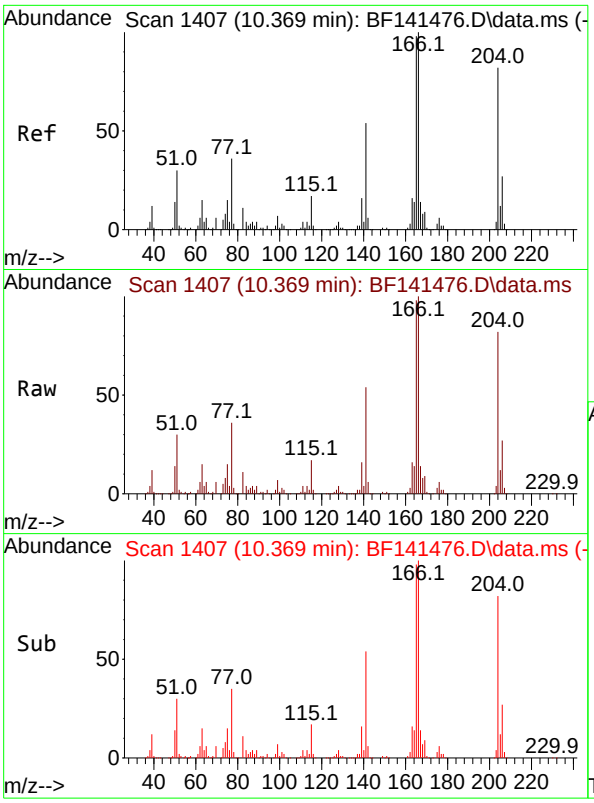




#60
Diethylphthalate
Concen: 39.821 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:149 Resp: 514358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.2 | 17.8 | 26.6 |
| 150 | 12.6 | 10.1 | 15.1 |



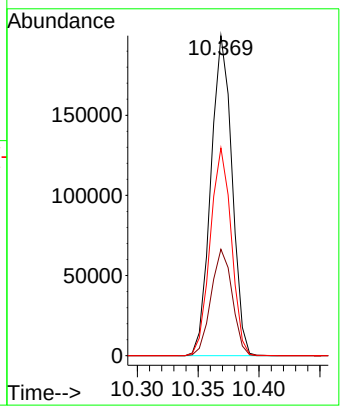


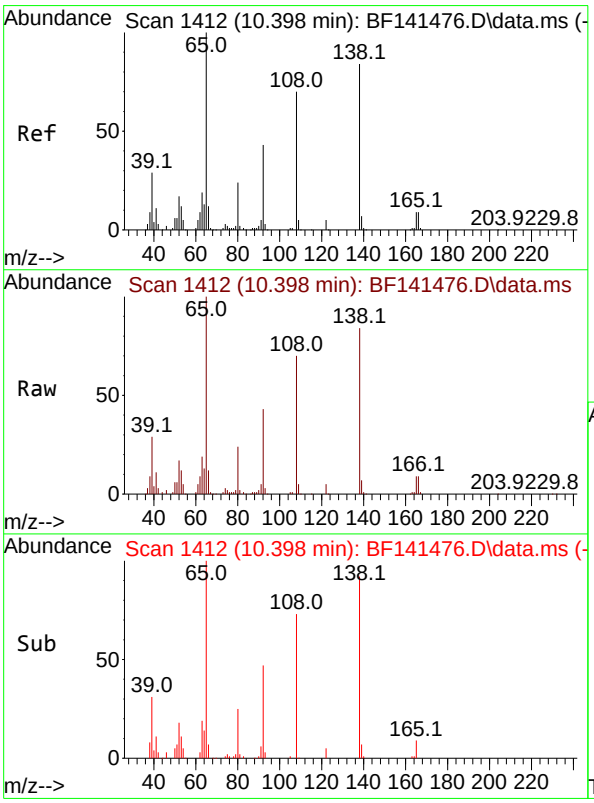

#61
4-Chlorophenyl-phenylether
Concen: 39.767 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:204 Resp: 240707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.3 | 26.6 | 40.0 |
| 141 | 64.9 | 51.9 | 77.9 |

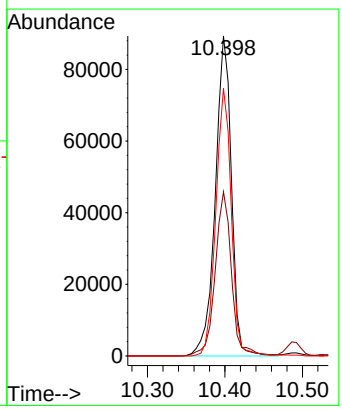


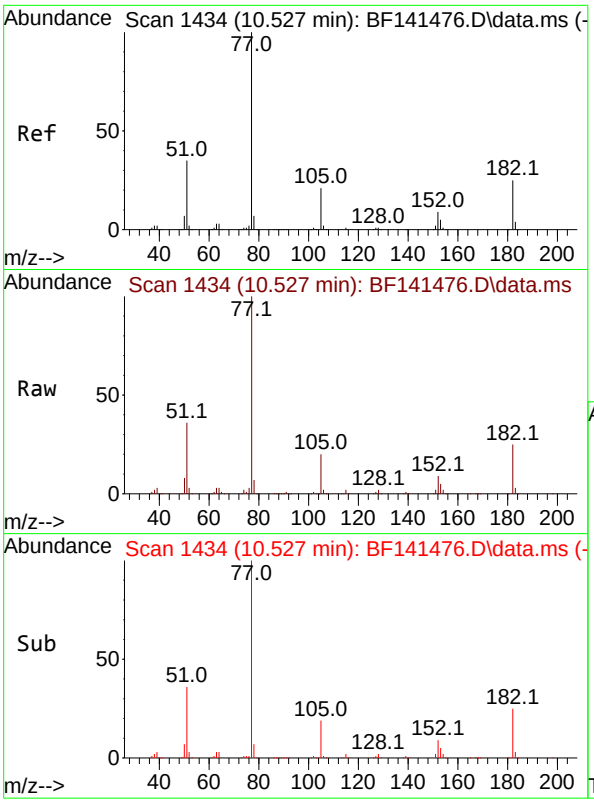




#62
4-Nitroaniline
Concen: 41.253 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:138 Resp: 129392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.3 | 31.3 | 71.3 |
| 108 | 83.7 | 63.7 | 103.7 |



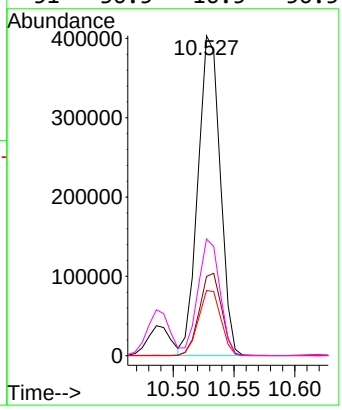


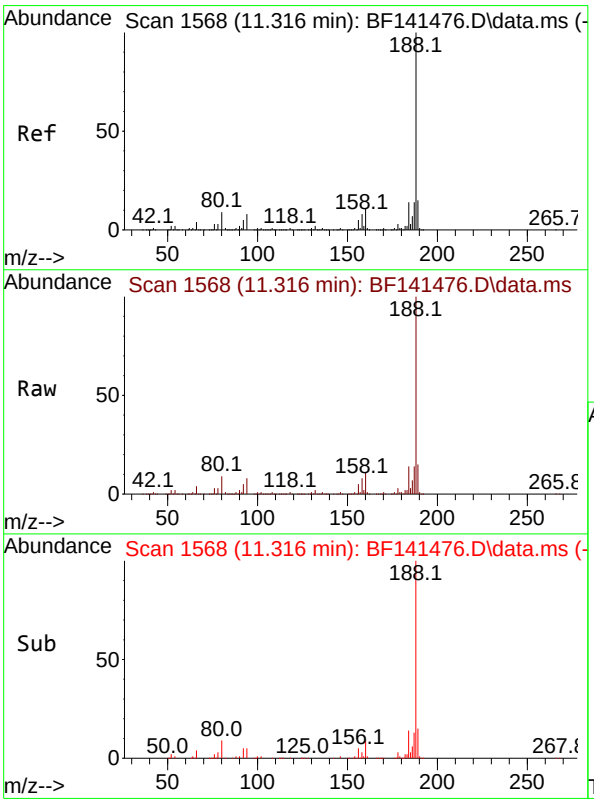

#63
Azobenzene
Concen: 39.926 ng
RT: 10.527 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 77 Resp: 512692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 24.7 | 4.7 | 44.7 |
| 105 | 20.4 | 0.4 | 40.4 |
| 51 | 36.5 | 16.5 | 56.5 |

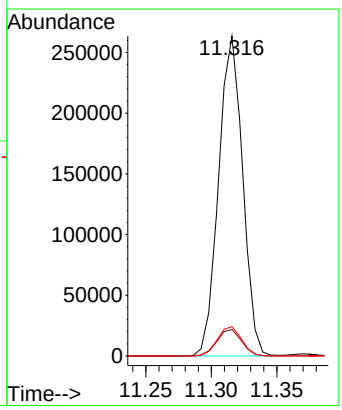


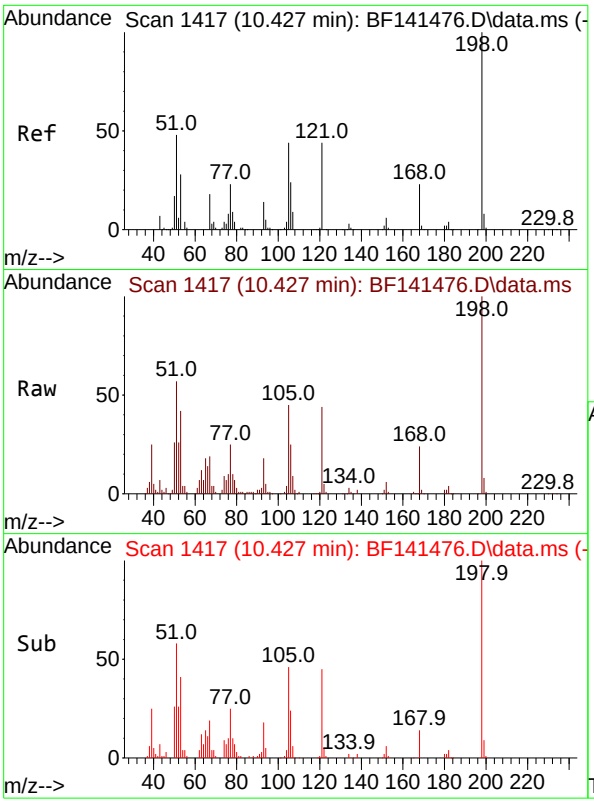




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:188 Resp: 336425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.3 | 6.6 | 10.0 |
| 80 | 9.1 | 7.3 | 10.9 |



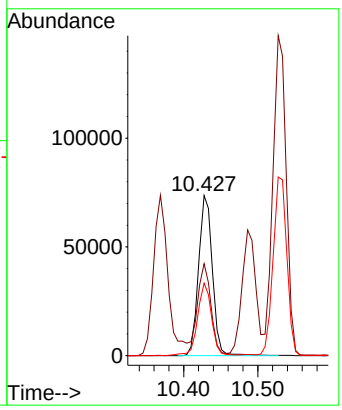


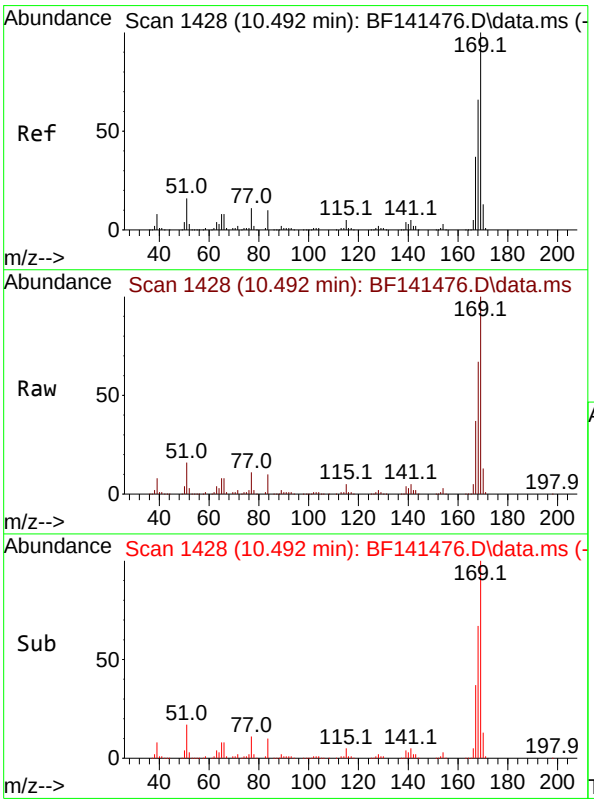

#65
4,6-Dinitro-2-methylphenol
Concen: 40.874 ng
RT: 10.427 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:198 Resp: 95521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 57.4 | 37.4 | 77.4 |
| 105 | 45.2 | 25.2 | 65.2 |

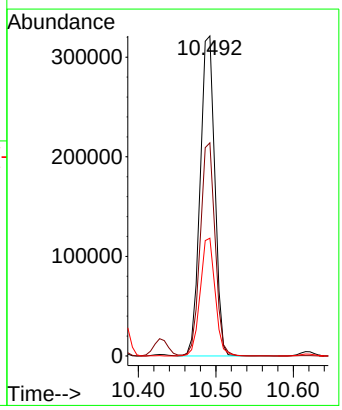


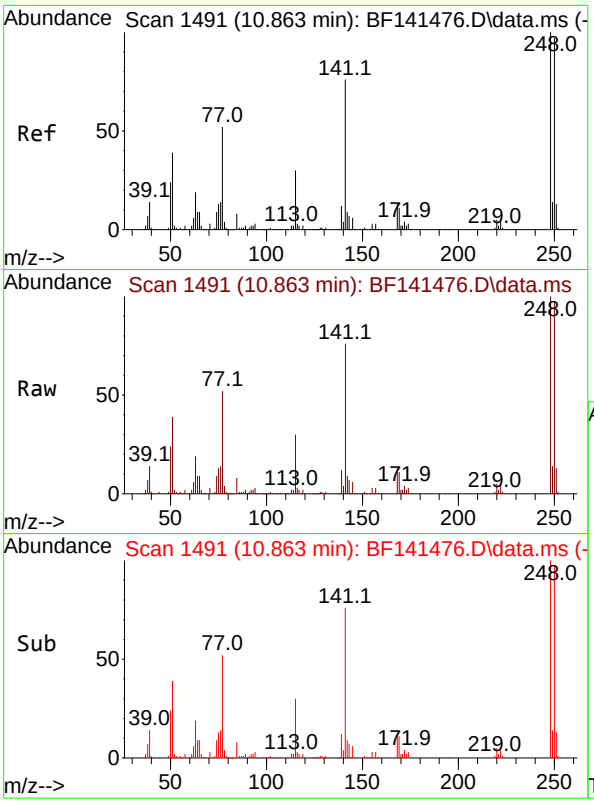




#66
n-Nitrosodiphenylamine
Concen: 39.180 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:169 Resp: 421937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.6 | 53.3 | 79.9 |
| 167 | 36.8 | 29.4 | 44.2 |



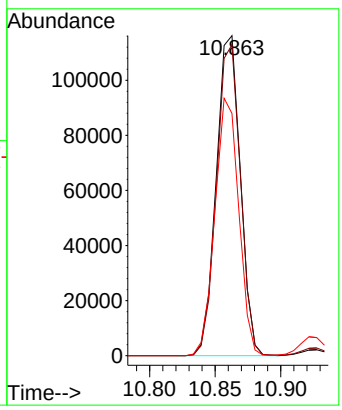


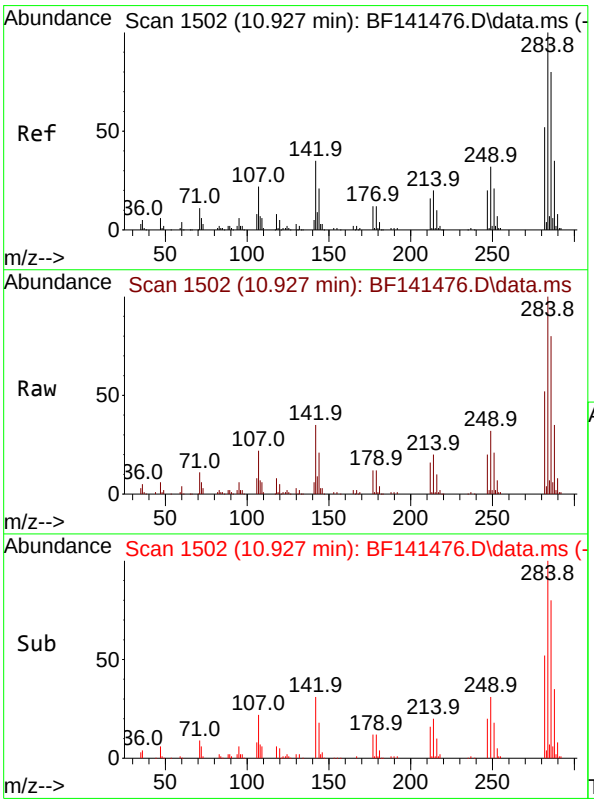

#67
4-Bromophenyl-phenylether
Concen: 39.522 ng
RT: 10.863 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:248 Resp: 148603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.2 | 77.8 | 116.6 |
| 141 | 75.7 | 60.6 | 90.8 |

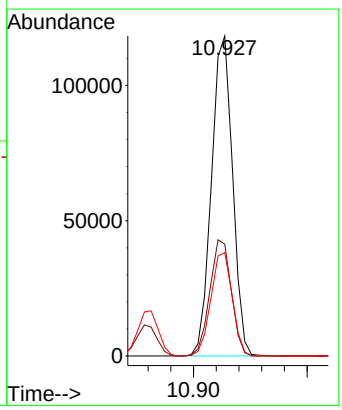


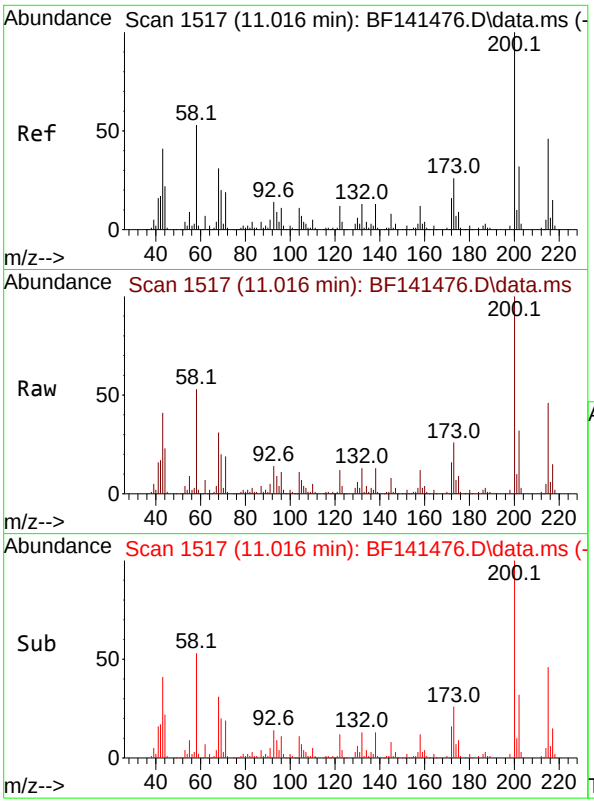




#68
Hexachlorobenzene
Concen: 39.430 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:284 Resp: 152664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 35.0 | 28.0 | 42.0 |
| 249 | 32.3 | 25.8 | 38.8 |



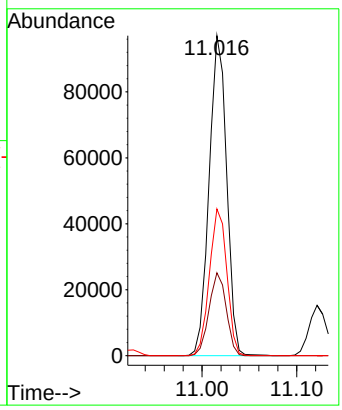


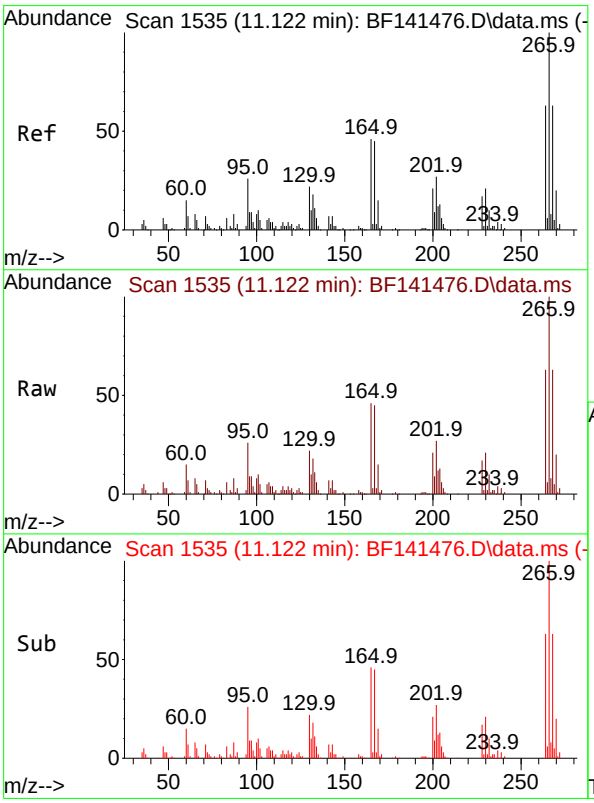

#69
Atrazine
Concen: 38.533 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:200 Resp: 124494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.9 | 5.9 | 45.9 |
| 215 | 45.9 | 25.9 | 65.9 |

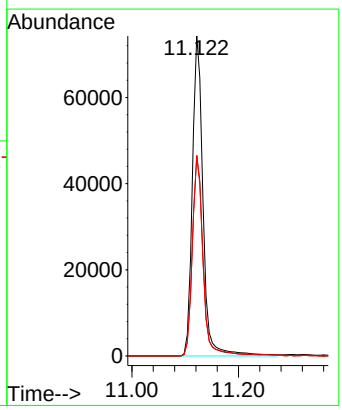


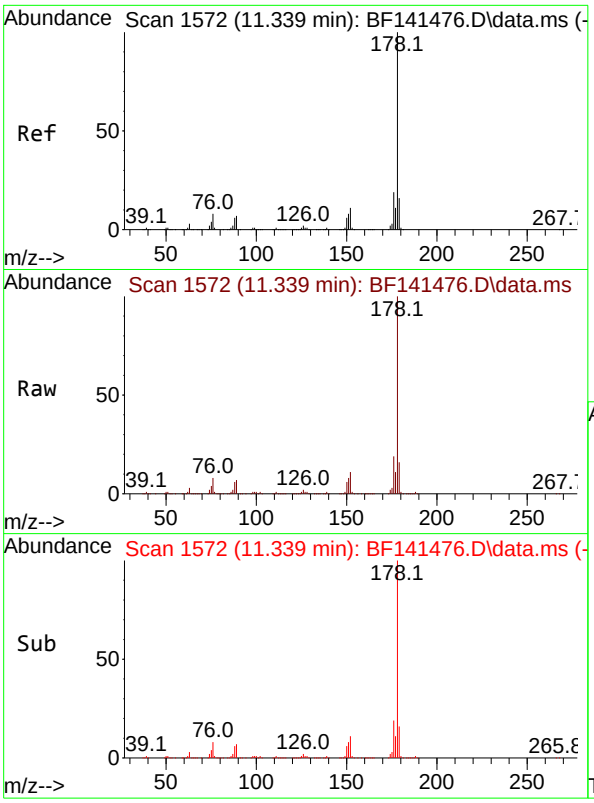




#70
Pentachlorophenol
Concen: 41.930 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:266 Resp: 103806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.6 | 50.1 | 75.1 |
| 264 | 62.6 | 50.1 | 75.1 |



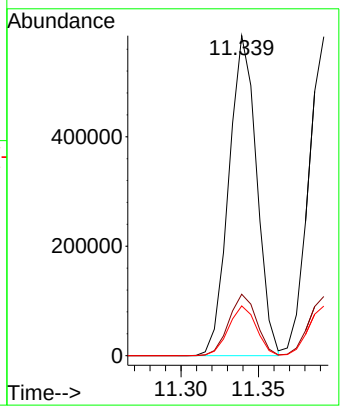


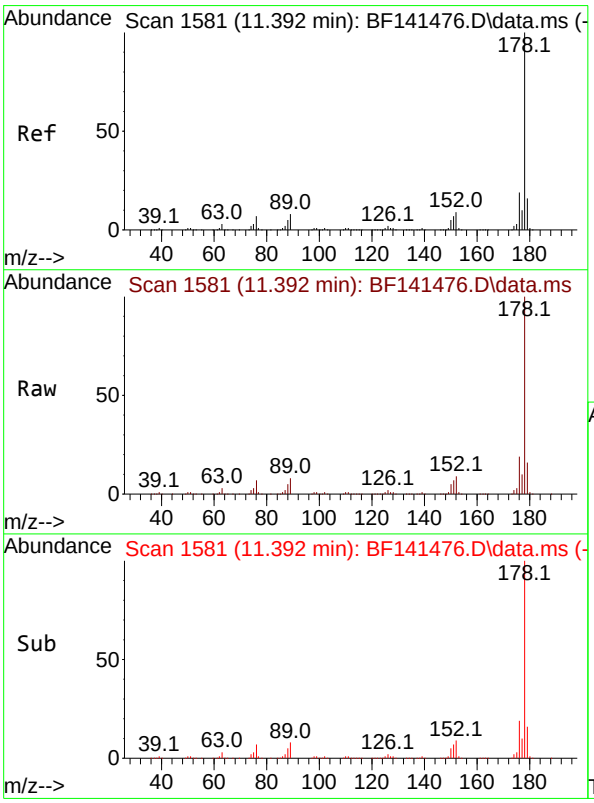

#71
Phenanthrene
Concen: 39.397 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:178 Resp: 729585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.4 | 23.0 |
| 179 | 15.5 | 12.4 | 18.6 |

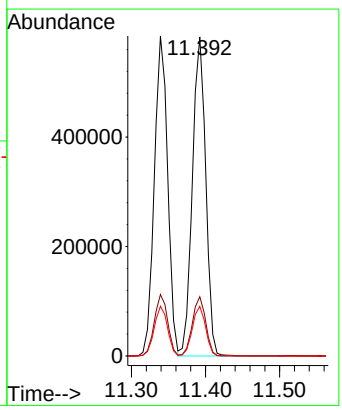


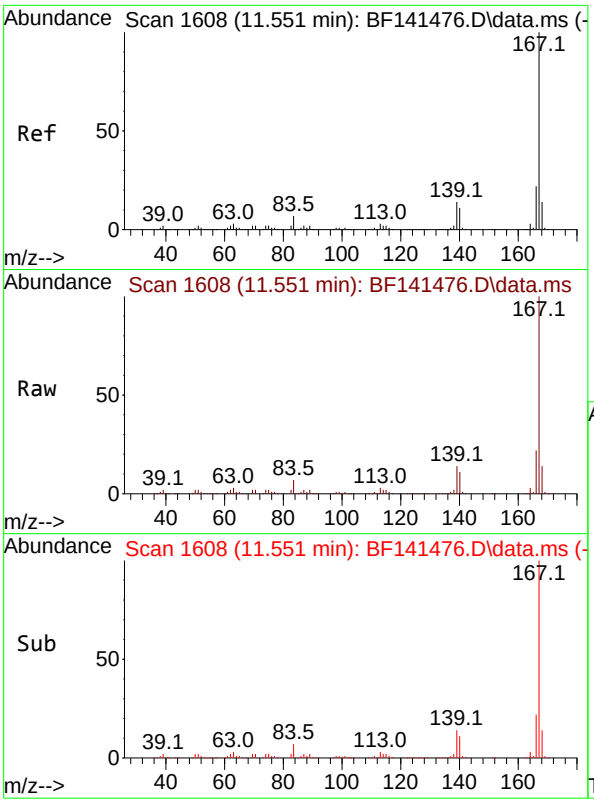




#72
Anthracene
Concen: 39.125 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:178 Resp: 728337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 14.8 | 22.2 |
| 179 | 15.5 | 12.4 | 18.6 |



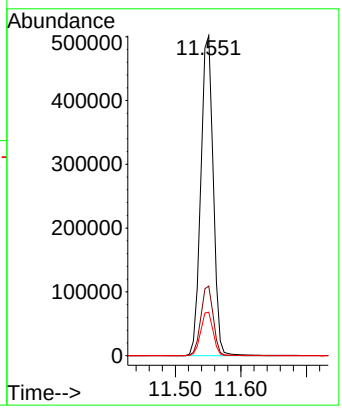


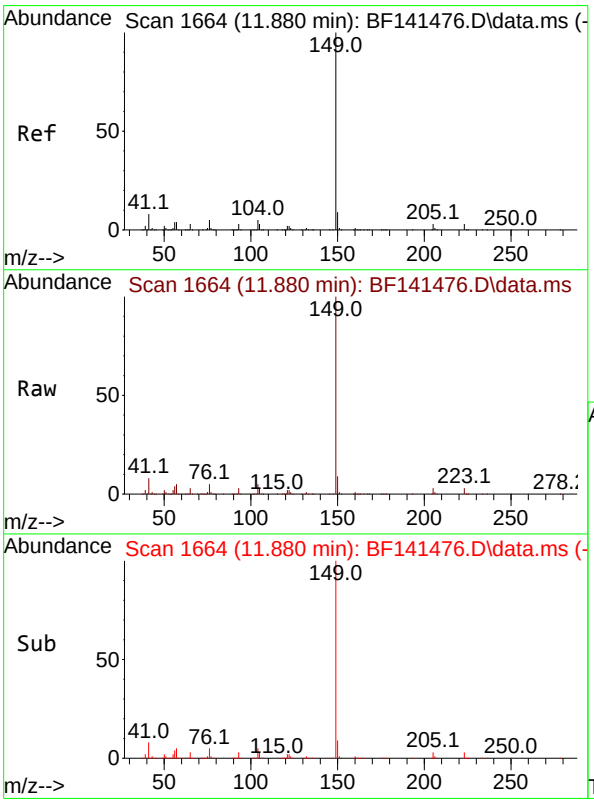

#73
Carbazole
Concen: 39.613 ng
RT: 11.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:167 Resp: 663523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.4 | 26.2 |
| 139 | 13.6 | 10.9 | 16.3 |

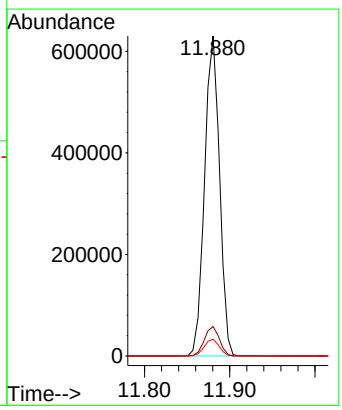


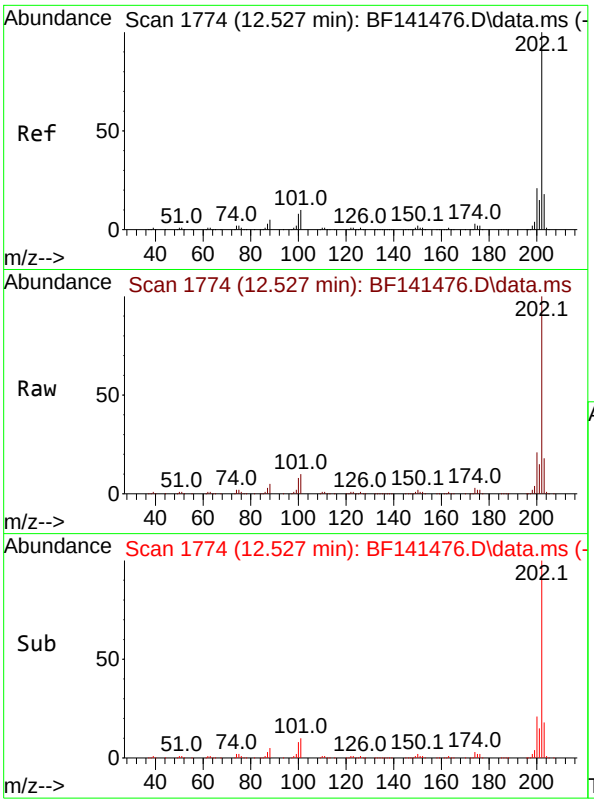




#74
Di-n-butylphthalate
Concen: 39.706 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:149 Resp: 767961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.4 | 11.0 |
| 104 | 5.2 | 4.2 | 6.2 |



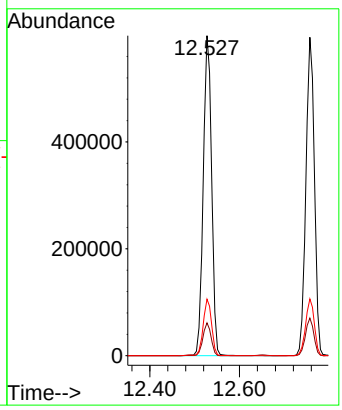


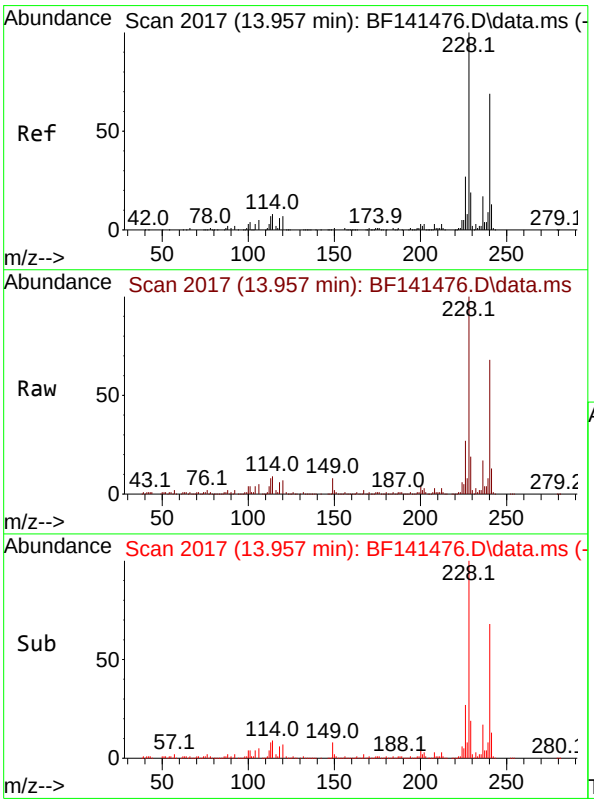

#75
Fluoranthene
Concen: 39.441 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:202 Resp: 774369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.2 | 0.0 | 30.2 |
| 203 | 17.6 | 0.0 | 37.6 |

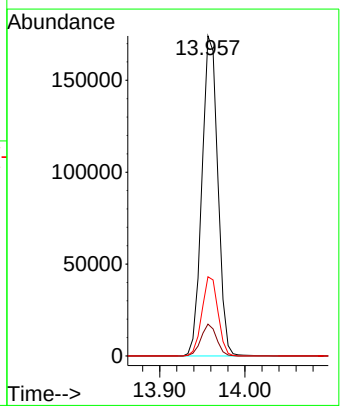


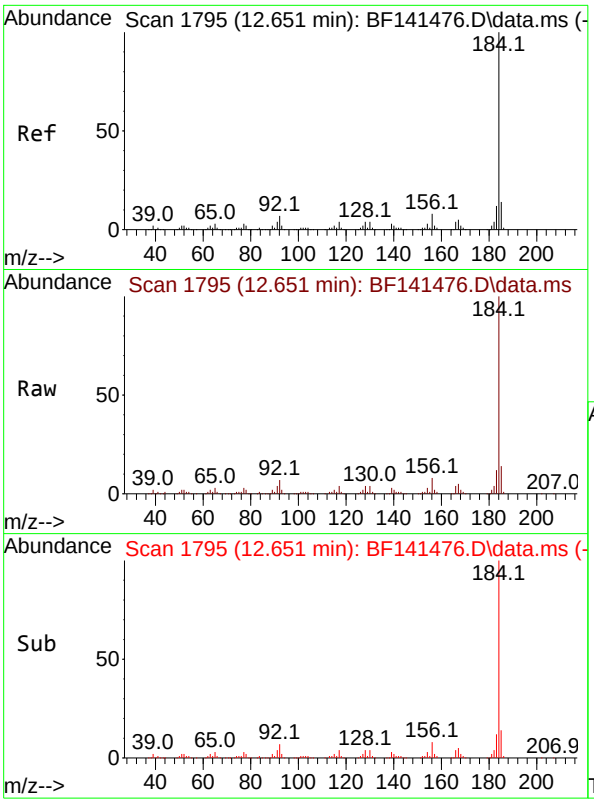




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:240 Resp: 225462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.0 | 8.0 | 12.0 |
| 236 | 24.8 | 19.8 | 29.8 |



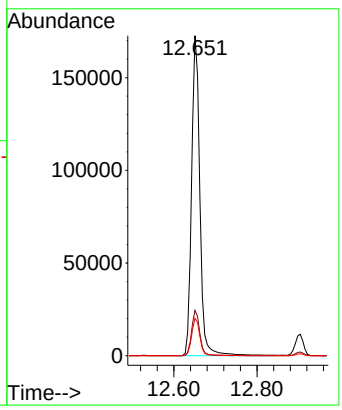


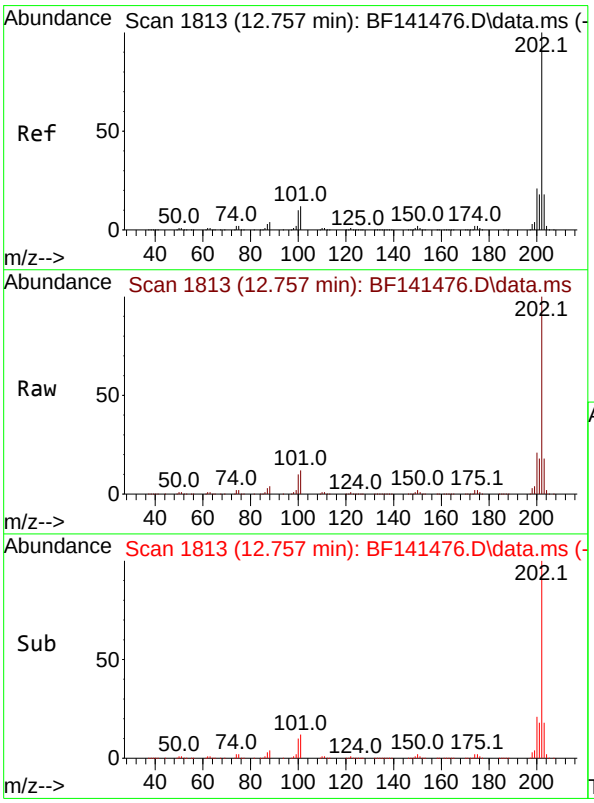

#77
Benzidine
Concen: 47.917 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:184 Resp: 238261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.1 | 11.3 | 16.9 |
| 183 | 11.6 | 9.3 | 13.9 |

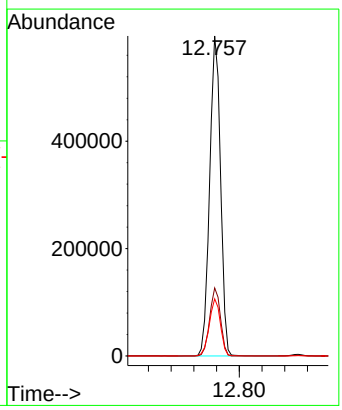


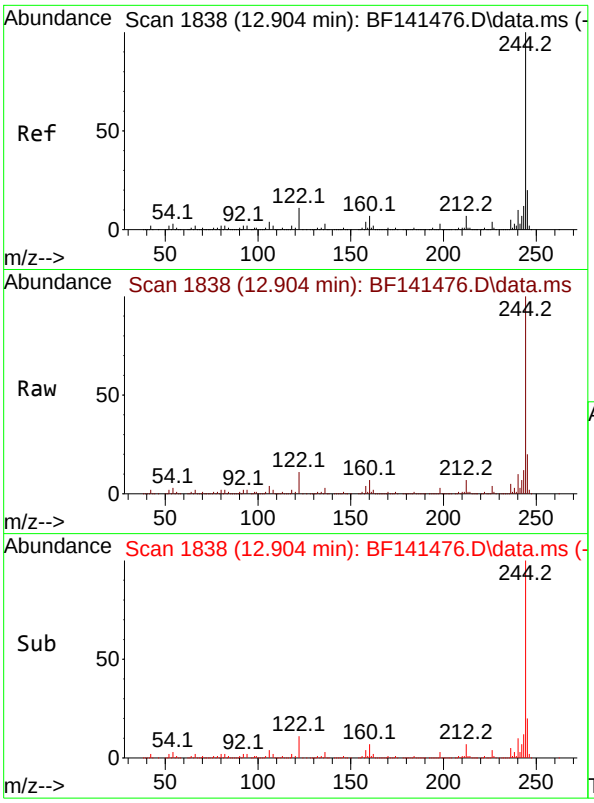




#78
Pyrene
Concen: 41.002 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:202 Resp: 786956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 17.0 | 25.4 |
| 203 | 17.9 | 14.3 | 21.5 |



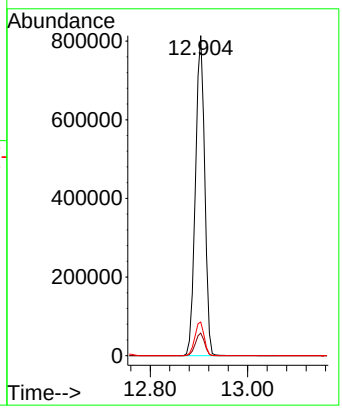


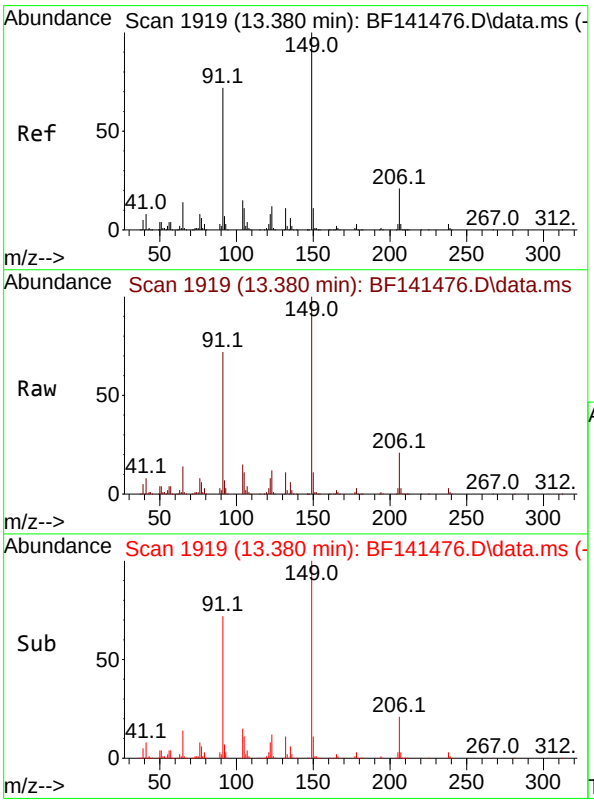

#79
Terphenyl-d14
Concen: 80.879 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:244 Resp: 1080174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.6 | 8.4 |
| 122 | 10.5 | 8.4 | 12.6 |

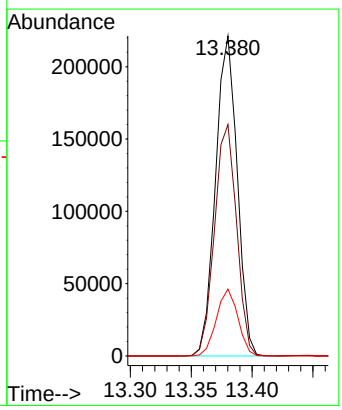


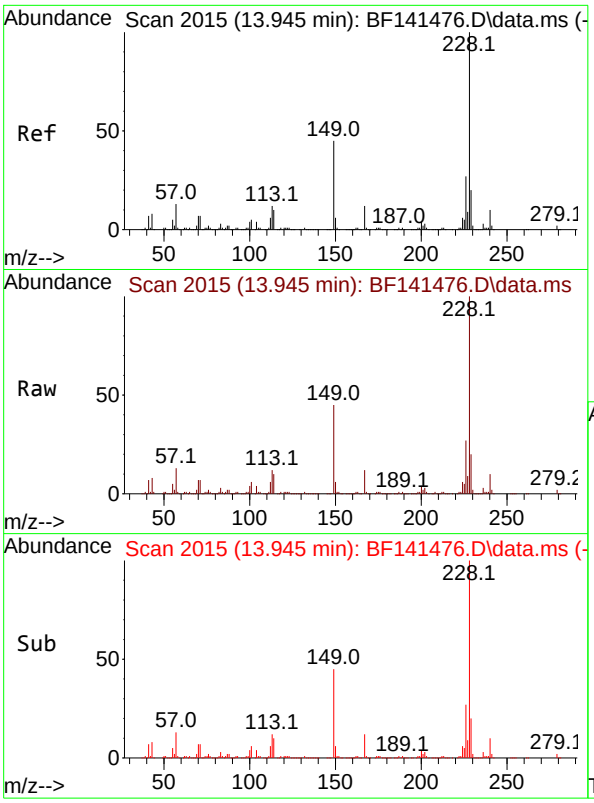




#80
Butylbenzylphthalate
Concen: 41.323 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:149 Resp: 274711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.3 | 57.8 | 86.8 |
| 206 | 20.9 | 16.7 | 25.1 |



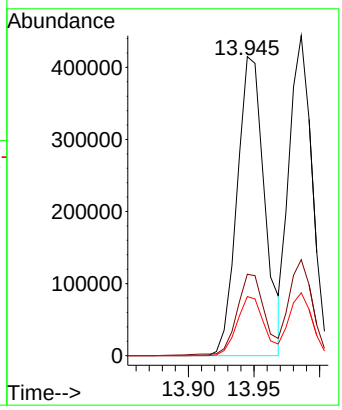


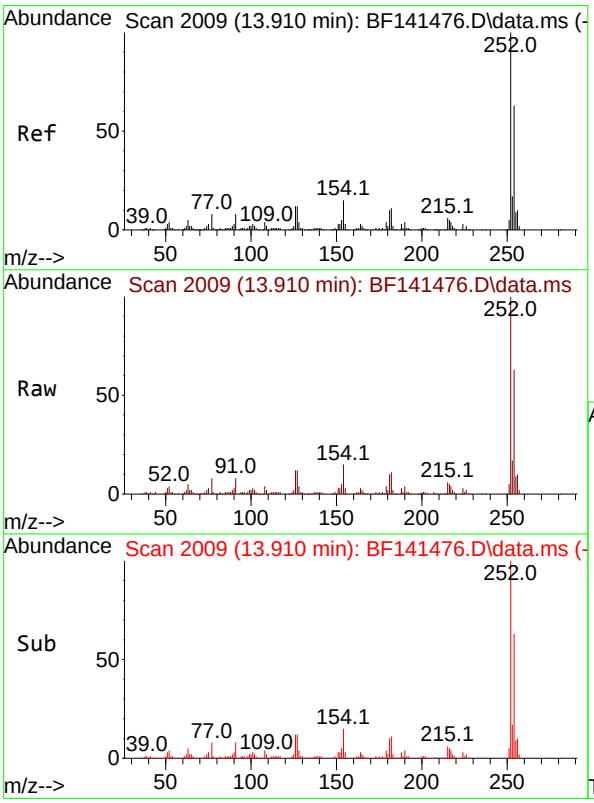

#81
Benzo(a)anthracene
Concen: 40.479 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:228 Resp: 606669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 21.8 | 32.8 |
| 229 | 19.7 | 15.8 | 23.6 |

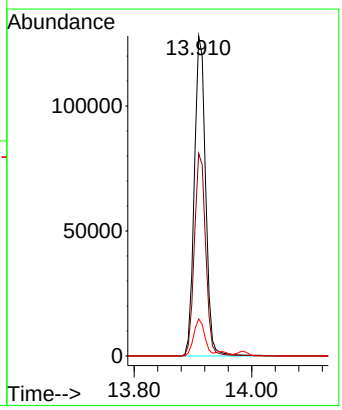


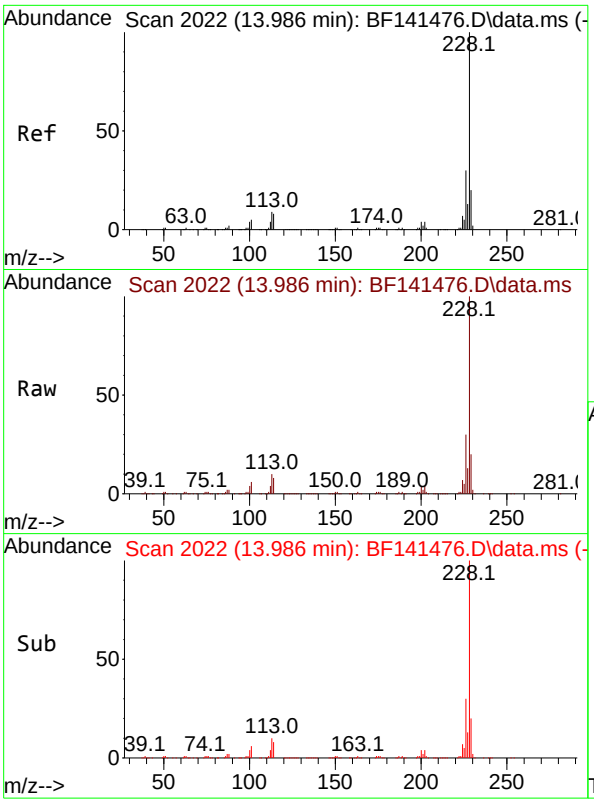




#82
3,3'-Dichlorobenzidine
Concen: 39.640 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:252 Resp: 170181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.3 | 50.6 | 76.0 |
| 126 | 11.6 | 9.3 | 13.9 |



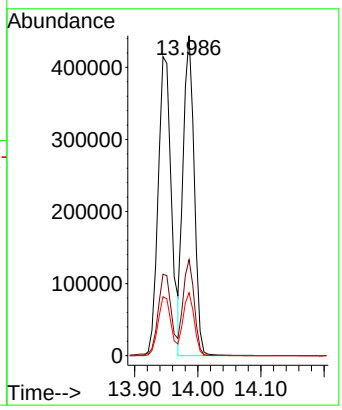


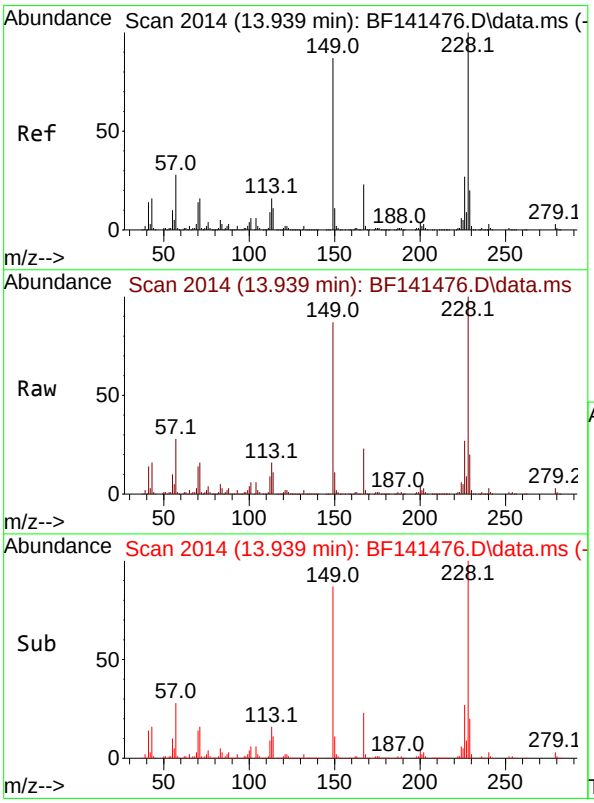

#83
Chrysene
Concen: 39.121 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:228 Resp: 541376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.0 | 24.0 | 36.0 |
| 229 | 19.6 | 15.7 | 23.5 |

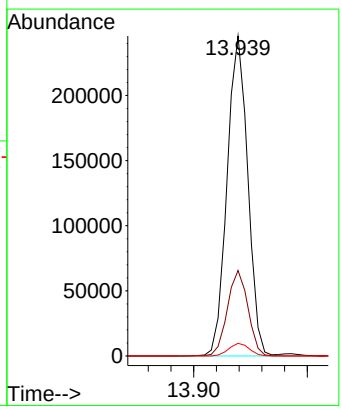


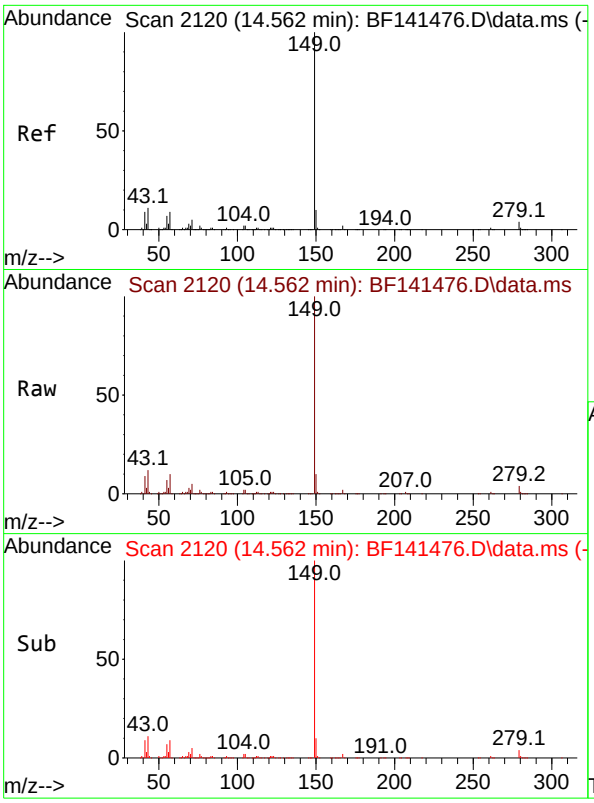




#84
Bis(2-ethylhexyl)phthalate
Concen: 41.438 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:149 Resp: 310696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.7 | 21.4 | 32.0 |
| 279 | 3.9 | 3.1 | 4.7 |



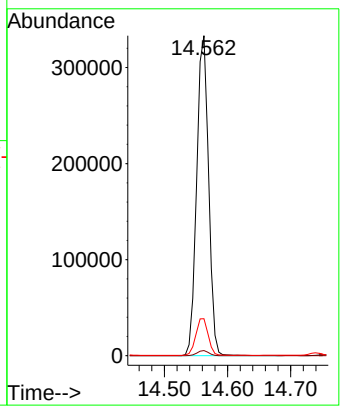


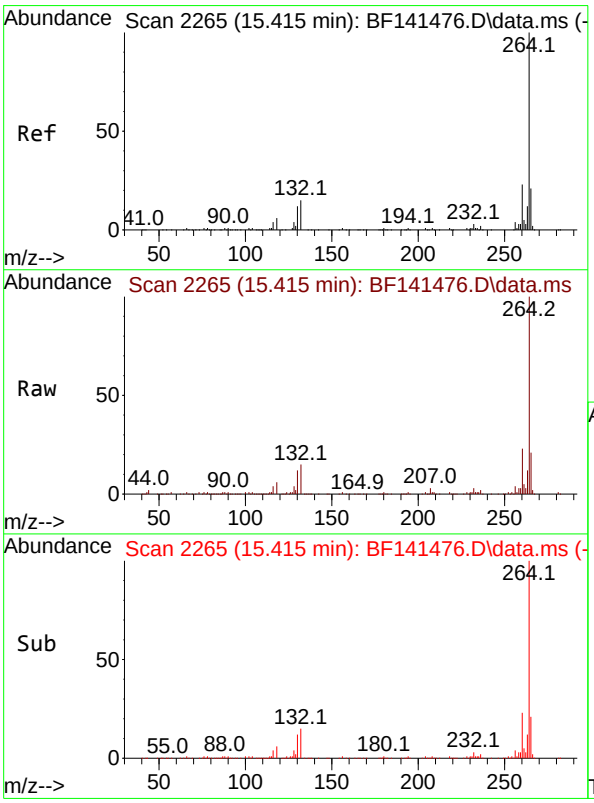

#85
Di-n-octyl phthalate
Concen: 40.682 ng
RT: 14.562 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:149 Resp: 435142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 11.9 | 9.5 | 14.3 |

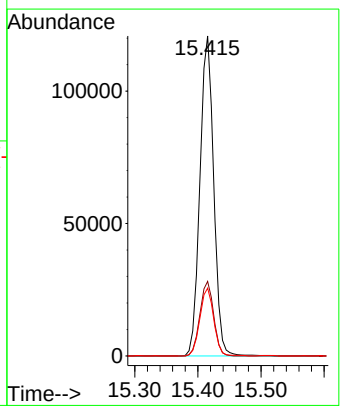


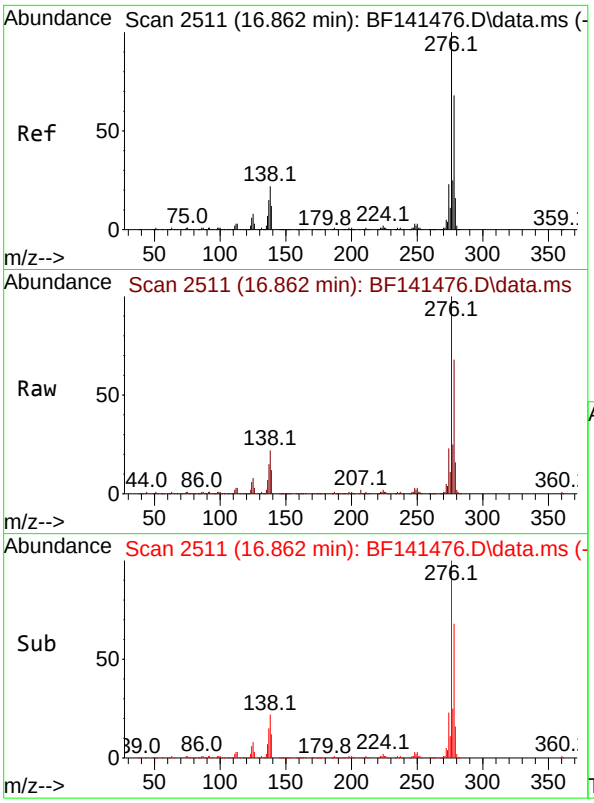




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:264 Resp: 182907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.6 | 28.0 |
| 265 | 21.2 | 17.0 | 25.4 |



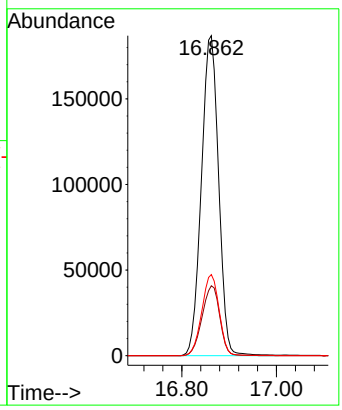


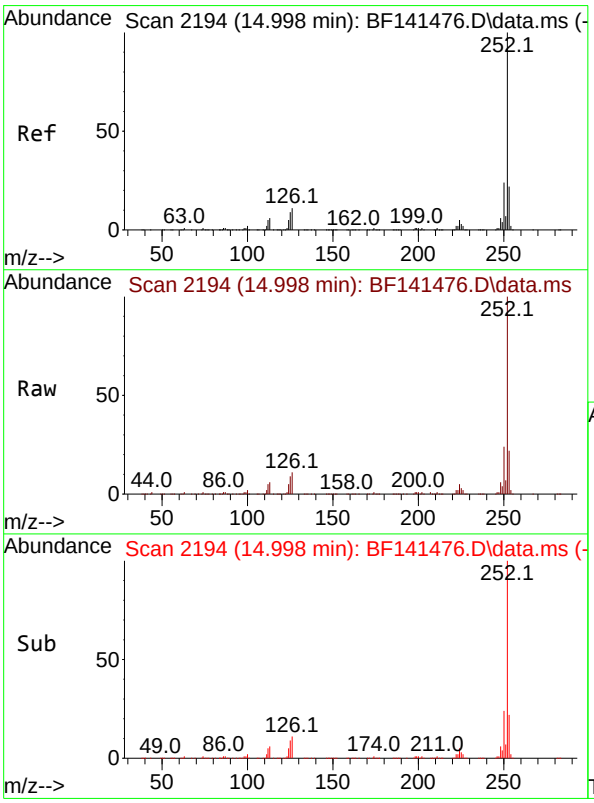

#87
Indeno(1,2,3-cd)pyrene
Concen: 41.699 ng
RT: 16.862 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:276 Resp: 471272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.5 | 18.0 | 27.0 |
| 277 | 25.5 | 20.4 | 30.6 |

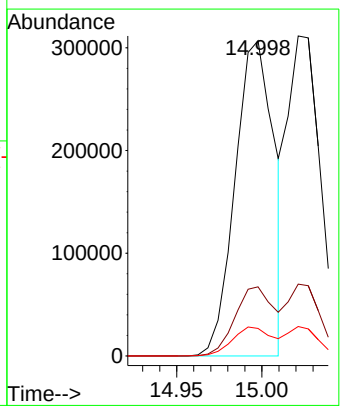


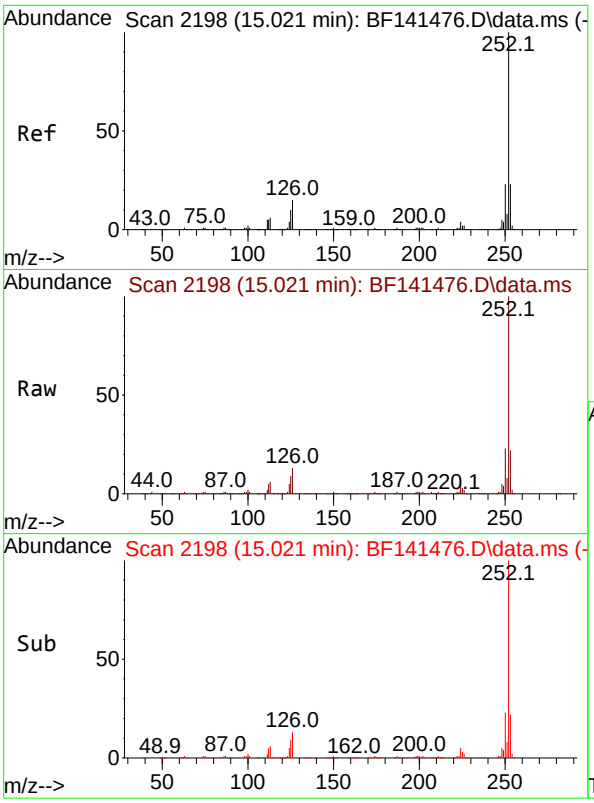




#88
Benzo(b)fluoranthene
Concen: 39.783 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:252 Resp: 488585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 8.8 | 7.0 | 10.6 |



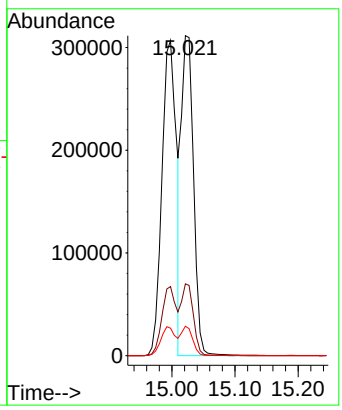


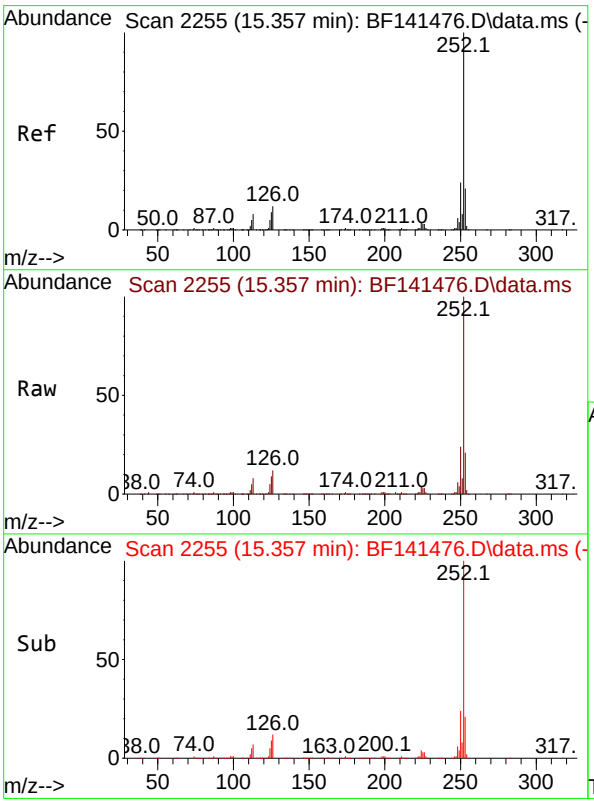

#89
Benzo(k)fluoranthene
Concen: 39.836 ng
RT: 15.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:252 Resp: 417770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 18.0 | 27.0 |
| 125 | 9.2 | 7.4 | 11.0 |

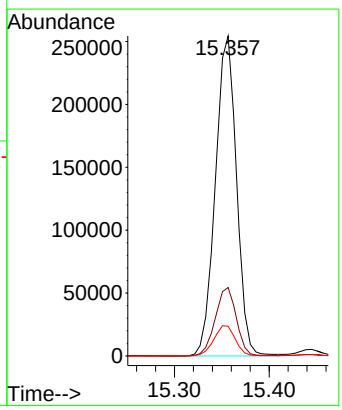


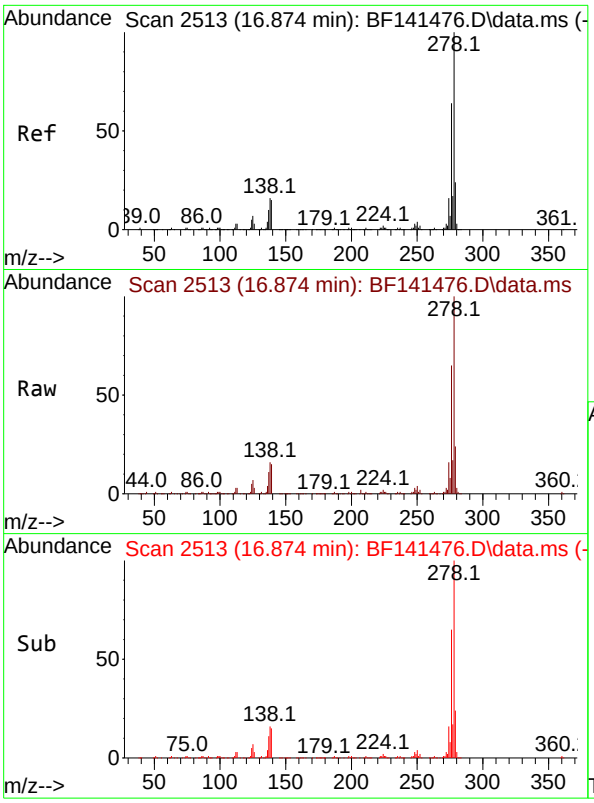




#90
Benzo(a)pyrene
Concen: 39.767 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:252 Resp: 395193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.1 | 25.7 |
| 125 | 9.3 | 7.4 | 11.2 |



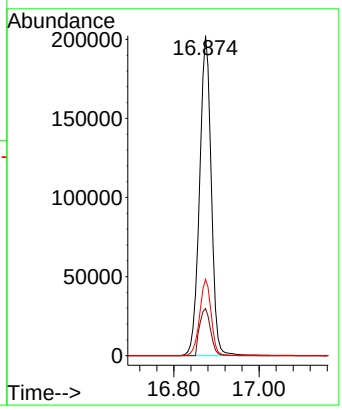


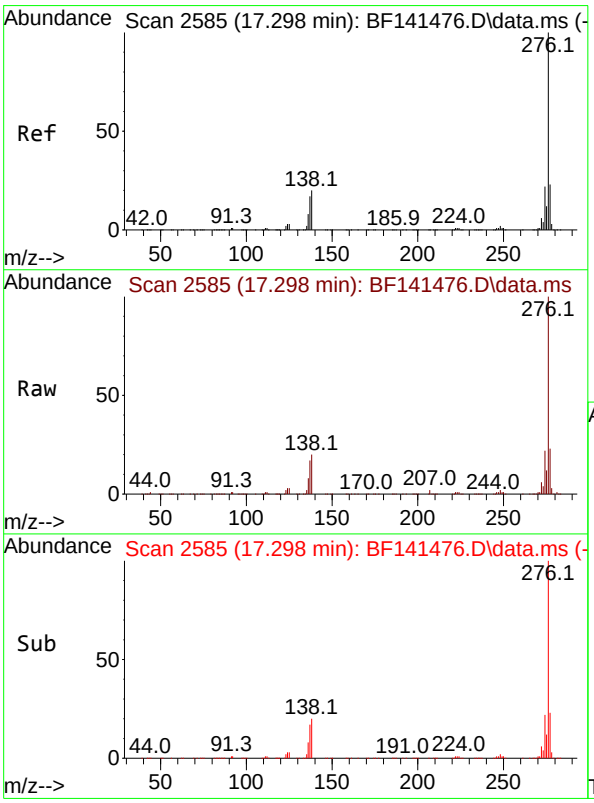

#91
Dibenzo(a,h)anthracene
Concen: 42.001 ng
RT: 16.874 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:278 Resp: 384623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.7 | 11.8 | 17.6 |
| 279 | 23.9 | 19.1 | 28.7 |

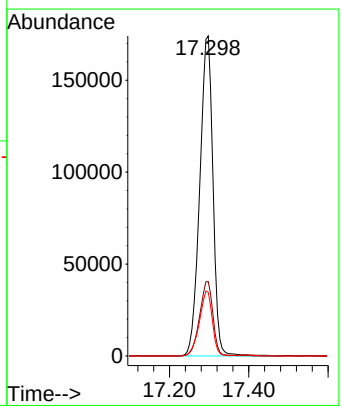



#92
Benzo(g,h,i)perylene
Concen: 41.992 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.018 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:276 Resp: 402413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 18.6 | 28.0 |
| 138 | 19.9 | 15.9 | 23.9 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141477.D
Acq On : 06 Feb 2025 13:21
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Quant Time: Feb 06 16:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.792 | 152 | 87860 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.075 | 136 | 347298 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.828 | 164 | 190523 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.316 | 188 | 323702 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.963 | 240 | 205879 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.415 | 264 | 174906 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.404 | 112 | 559309 | 99.801 | ng | 0.00 |
| 7) Phenol-d6 | 6.434 | 99 | 702435 | 99.168 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.357 | 82 | 657106 | 98.686 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.622 | 330 | 189178 | 98.845 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.151 | 172 | 1182292 | 95.605 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.904 | 244 | 1244053 | 102.010 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.481 | 88 | 110258 | 48.882 | ng | 98 |
| 3) Pyridine | 3.210 | 79 | 275985 | 51.419 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.169 | 42 | 183299 | 51.575 | ng | 97 |
| 6) Aniline | 6.457 | 93 | 330719 | 49.774 | ng | 86 |
| 8) 2-Chlorophenol | 6.581 | 128 | 300380 | 49.604 | ng | 98 |
| 9) Benzaldehyde | 6.340 | 77 | 164133 | 43.605 | ng | 99 |
| 10) Phenol | 6.445 | 94 | 364380 | 49.425 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 6.528 | 93 | 274892 | 49.643 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 6.728 | 146 | 316493 | 49.506 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.810 | 146 | 321786 | 49.264 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 6.963 | 146 | 296834 | 48.964 | ng | 99 |
| 15) Benzyl Alcohol | 6.934 | 79 | 274040 | 50.451 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.069 | 45 | 465332 | 49.091 | ng | 97 |
| 17) 2-Methylphenol | 7.051 | 107 | 232571 | 49.081 | ng | 100 |
| 18) Hexachloroethane | 7.298 | 117 | 122071 | 50.498 | ng | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.210 | 70 | 207915 | 49.072 | ng | 98 |
| 20) 3+4-Methylphenols | 7.204 | 107 | 295179 | 49.011 | ng | 96 |
| 22) Acetophenone | 7.204 | 105 | 419759 | 48.588 | ng | 99 |
| 24) Nitrobenzene | 7.375 | 77 | 320155 | 49.308 | ng | 100 |
| 25) Isophorone | 7.616 | 82 | 521533 | 49.123 | ng | 99 |
| 26) 2-Nitrophenol | 7.692 | 139 | 164623 | 50.962 | ng | 96 |
| 27) 2,4-Dimethylphenol | 7.734 | 122 | 189037 | 50.093 | ng | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.822 | 93 | 336274 | 49.430 | ng | 100 |
| 29) 2,4-Dichlorophenol | 7.939 | 162 | 251518 | 49.328 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.016 | 180 | 270897 | 48.788 | ng | 99 |
| 31) Naphthalene | 8.098 | 128 | 878692 | 48.605 | ng | 100 |
| 32) Benzoic acid | 7.863 | 122 | 202728 | 51.719 | ng | 99 |
| 33) 4-Chloroaniline | 8.151 | 127 | 312251 | 49.471 | ng | 99 |
| 34) Hexachlorobutadiene | 8.210 | 225 | 163240 | 48.971 | ng | 99 |
| 35) Caprolactam | 8.522 | 113 | 76350 | 49.180 | ng | 97 |
| 36) 4-Chloro-3-methylphenol | 8.633 | 107 | 280911 | 49.736 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.786 | 142 | 572244 | 48.643 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.886 | 142 | 553503 | 48.579 | ng | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 8.951 | 216 | 266614 | 48.369 | ng | 98 |
| 41) Hexachlorocyclopentadiene | 8.939 | 237 | 97674 | 53.276 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 9.063 | 196 | 177503 | 49.825 | ng | 100 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141477.D
Acq On : 06 Feb 2025 13:21
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Quant Time: Feb 06 16:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

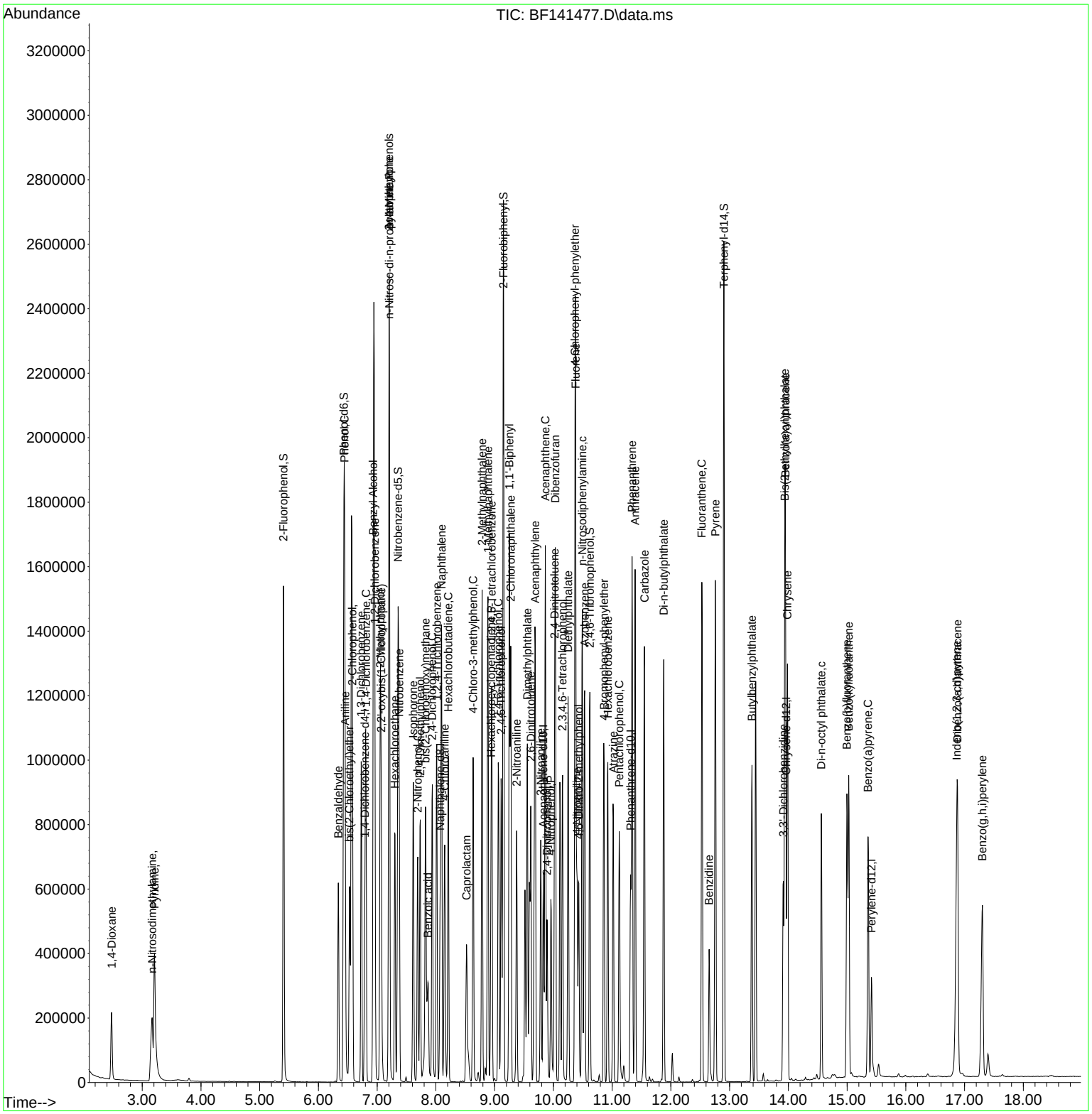
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.110 | 196 | 187902 | 48.667 | ng | 96 |
| 46) 1,1'-Biphenyl | 9.251 | 154 | 722373 | 48.905 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.275 | 162 | 530577 | 48.576 | ng | 100 |
| 48) 2-Nitroaniline | 9.375 | 65 | 181860 | 49.612 | ng | 99 |
| 49) Acenaphthylene | 9.692 | 152 | 790730 | 48.672 | ng | 99 |
| 50) Dimethylphthalate | 9.557 | 163 | 630673 | 48.760 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.616 | 165 | 140697 | 49.760 | ng | 98 |
| 52) Acenaphthene | 9.863 | 154 | 527828 | 48.327 | ng | 100 |
| 53) 3-Nitroaniline | 9.786 | 138 | 152426 | 50.087 | ng | 99 |
| 54) 2,4-Dinitrophenol | 9.892 | 184 | 87953 | 52.339 | ng | 97 |
| 55) Dibenzofuran | 10.033 | 168 | 777905 | 48.523 | ng | 100 |
| 56) 4-Nitrophenol | 9.957 | 139 | 118835 | 52.603 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 10.022 | 165 | 185741 | 49.346 | ng | 98 |
| 58) Fluorene | 10.380 | 166 | 590000 | 47.597 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232 | 165559 | 49.807 | ng | 98 |
| 60) Diethylphthalate | 10.251 | 149 | 619064 | 48.647 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.369 | 204 | 286530 | 48.048 | ng | 99 |
| 62) 4-Nitroaniline | 10.404 | 138 | 151765 | 49.113 | ng | 99 |
| 63) Azobenzene | 10.533 | 77 | 616638 | 48.742 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.433 | 198 | 114725 | 51.021 | ng | 97 |
| 66) n-Nitrosodiphenylamine | 10.492 | 169 | 505770 | 48.810 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248 | 177761 | 49.135 | ng | 98 |
| 68) Hexachlorobenzene | 10.927 | 284 | 180930 | 48.567 | ng | 98 |
| 69) Atrazine | 11.022 | 200 | 149758 | 48.175 | ng | 98 |
| 70) Pentachlorophenol | 11.122 | 266 | 128081 | 53.769 | ng | 99 |
| 71) Phenanthrene | 11.339 | 178 | 866517 | 48.631 | ng | 100 |
| 72) Anthracene | 11.392 | 178 | 877393 | 48.984 | ng | 99 |
| 73) Carbazole | 11.551 | 167 | 781733 | 48.504 | ng | 100 |
| 74) Di-n-butylphthalate | 11.880 | 149 | 915782 | 49.210 | ng | 100 |
| 75) Fluoranthene | 12.527 | 202 | 913699 | 48.367 | ng | 100 |
| 77) Benzidine | 12.651 | 184 | 222606 | 49.026 | ng | 99 |
| 78) Pyrene | 12.757 | 202 | 913198 | 52.106 | ng | 100 |
| 80) Butylbenzylphthalate | 13.380 | 149 | 310612 | 51.168 | ng | 99 |
| 81) Benzo(a)anthracene | 13.951 | 228 | 673785 | 49.234 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.915 | 252 | 186802 | 47.650 | ng | 98 |
| 83) Chrysene | 13.986 | 228 | 625572 | 49.505 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.939 | 149 | 350121 | 51.138 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.563 | 149 | 519741 | 53.213 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.868 | 276 | 586584 | 54.277 | ng | 99 |
| 88) Benzo(b)fluoranthene | 14.998 | 252 | 590149 | 50.251 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.027 | 252 | 469466 | 46.814 | ng | 100 |
| 90) Benzo(a)pyrene | 15.357 | 252 | 467288 | 49.173 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.880 | 278 | 477285 | 54.503 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.304 | 276 | 500274 | 54.592 | ng | 99 |

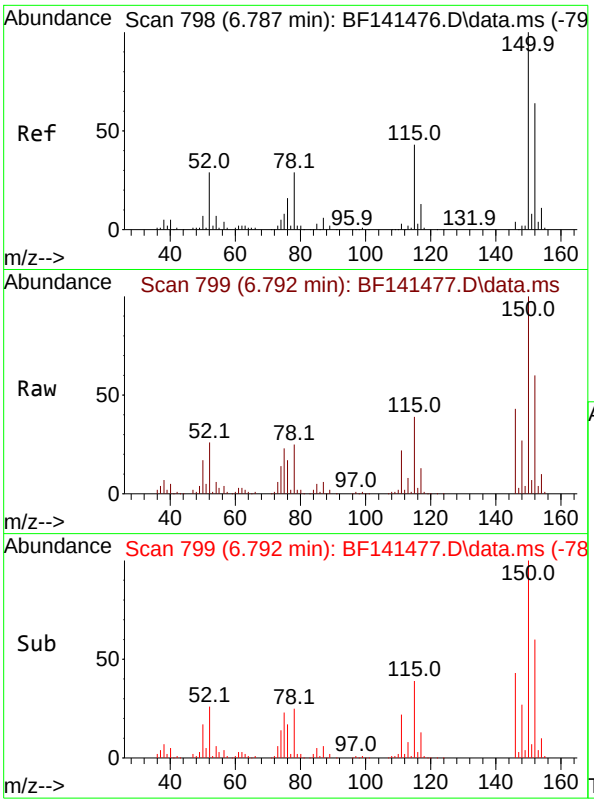
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141477.D
Acq On : 06 Feb 2025 13:21
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Quant Time: Feb 06 16:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



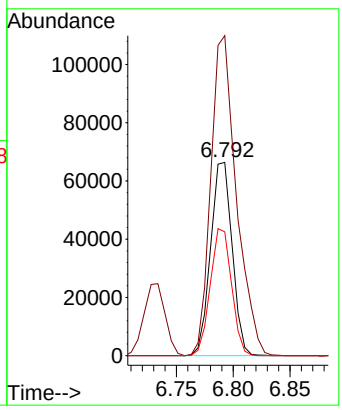


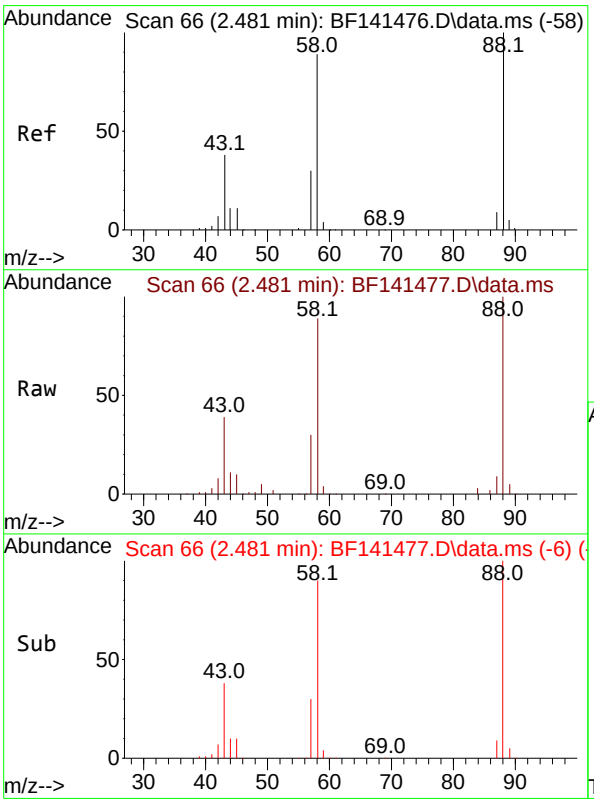

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:152 Resp: 87860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 165.6 | 125.0 | 187.4 |
| 115 | 64.1 | 53.6 | 80.4 |

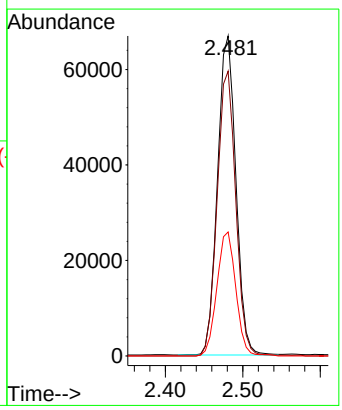


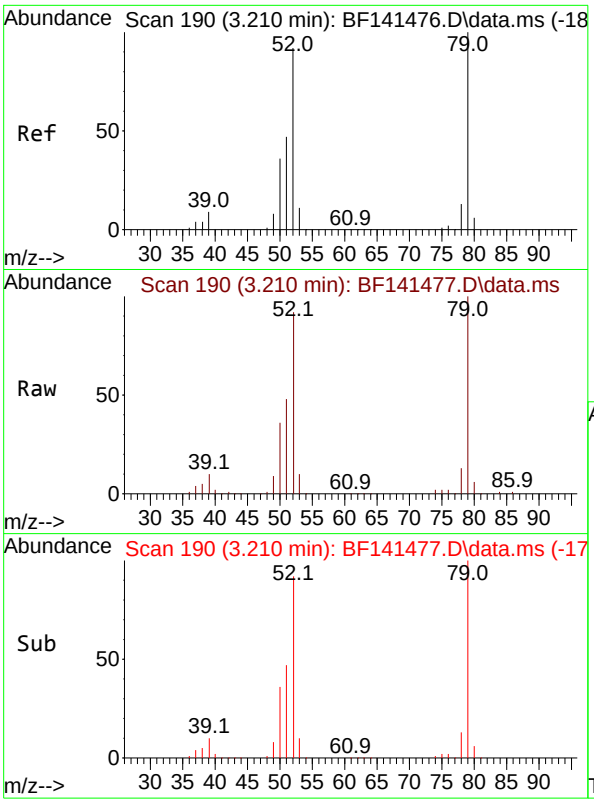




#2
1,4-Dioxane
Concen: 48.882 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 88 Resp: 110258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 90.6 | 71.1 | 106.7 |
| 43 | 40.1 | 30.6 | 46.0 |



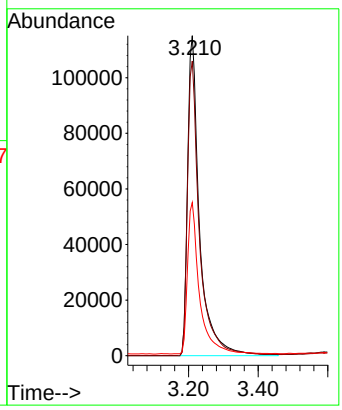


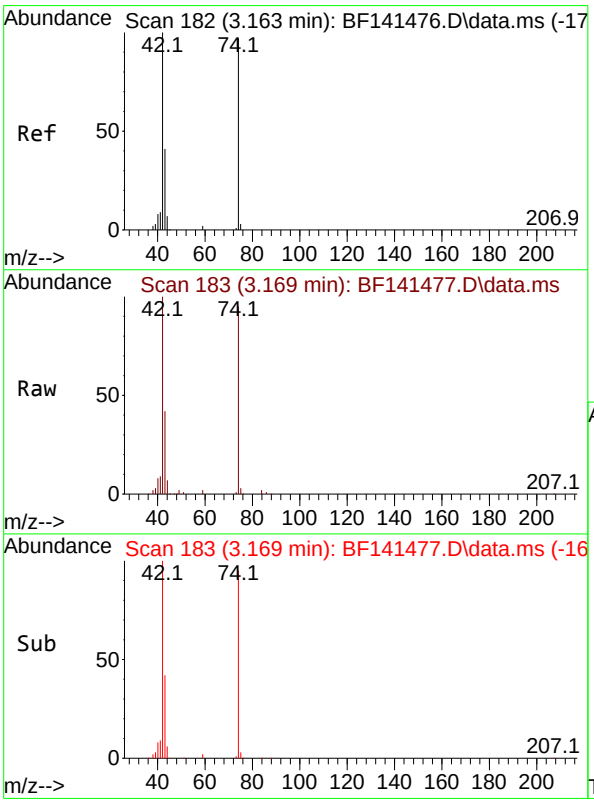

#3
Pyridine
Concen: 51.419 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 79 Resp: 275985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 92.1 | 73.7 | 110.5 |
| 51 | 47.9 | 37.5 | 56.3 |

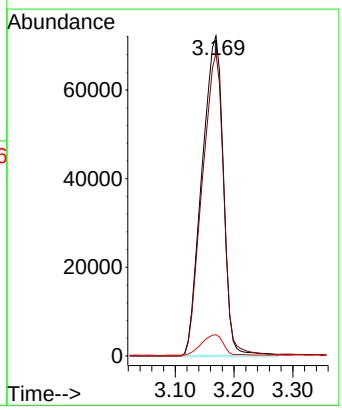


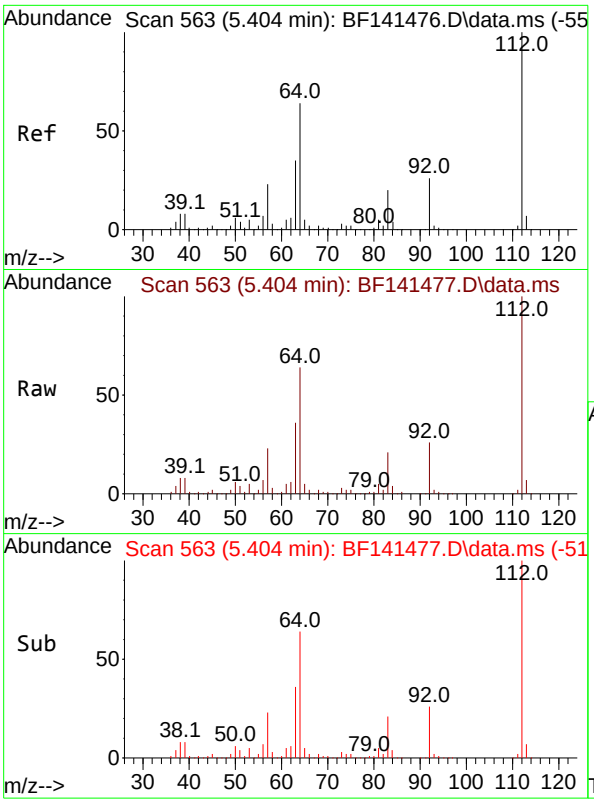




#4
n-Nitrosodimethylamine
Concen: 51.575 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.018 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 42 Resp: 183299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 94.6 | 78.0 | 117.0 |
| 44 | 6.7 | 5.4 | 8.2 |



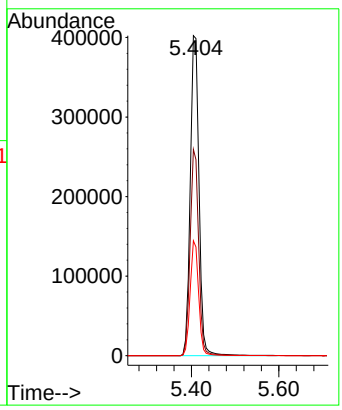


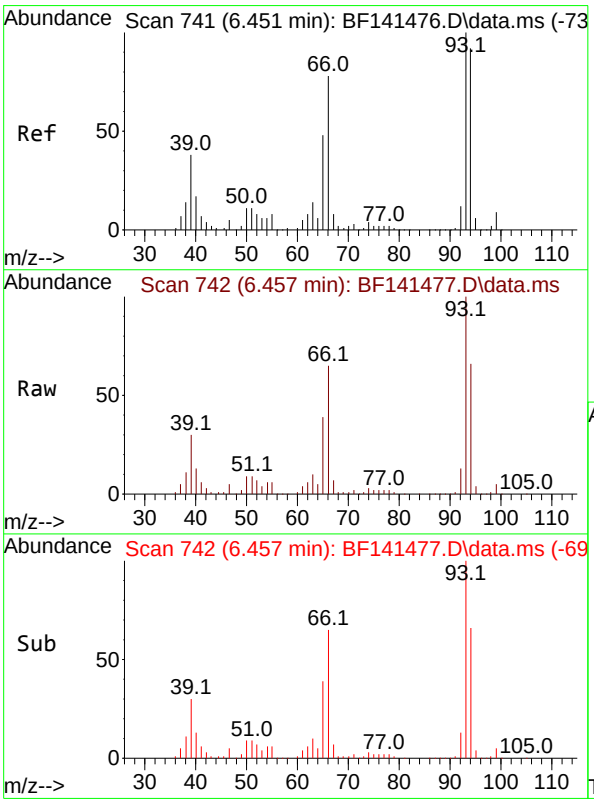

#5
2-Fluorophenol
Concen: 99.801 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:112 Resp: 559309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 64.4 | 51.1 | 76.7 |
| 63 | 35.9 | 28.4 | 42.6 |

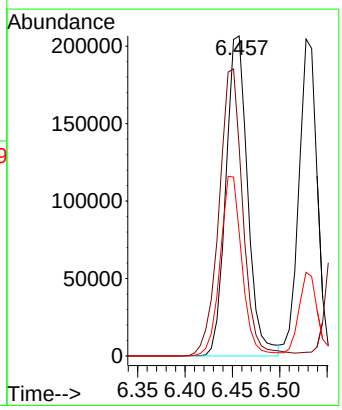


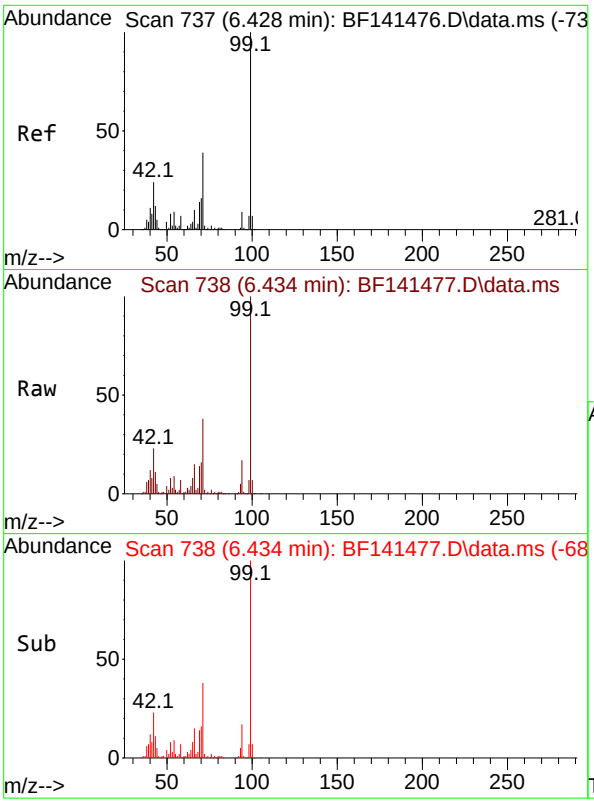




#6
Aniline
Concen: 49.774 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 93 Resp: 330719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 65.4 | 62.6 | 94.0 |
| 65 | 38.7 | 38.3 | 57.5 |



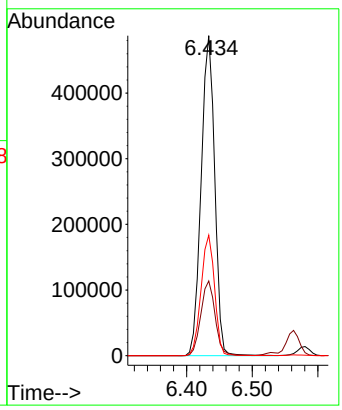


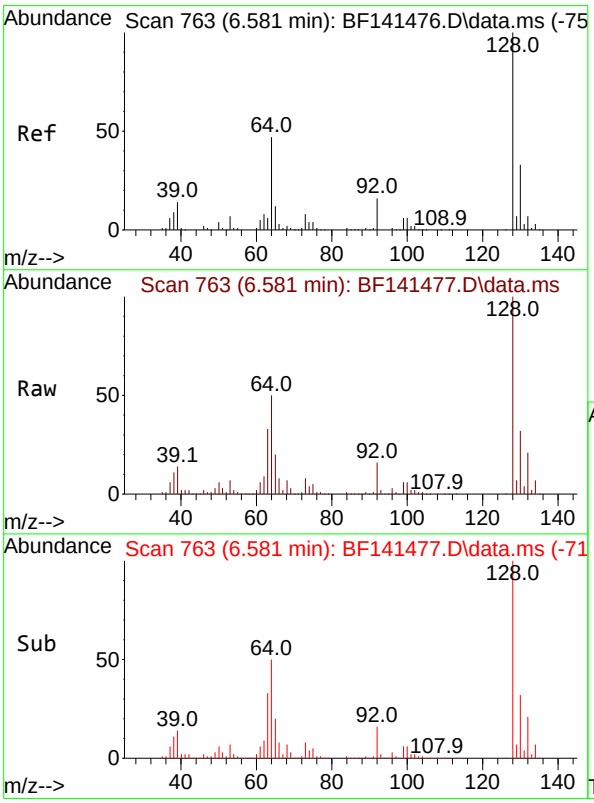

#7
Phenol-d6
Concen: 99.168 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 99 Resp: 702435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.4 | 19.1 | 28.7 |
| 71 | 37.6 | 31.1 | 46.7 |

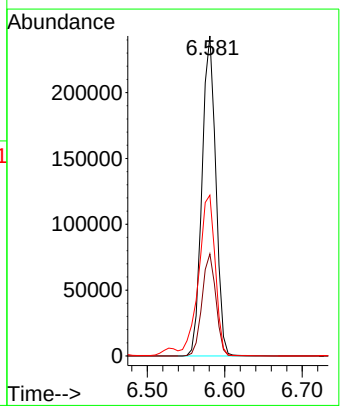


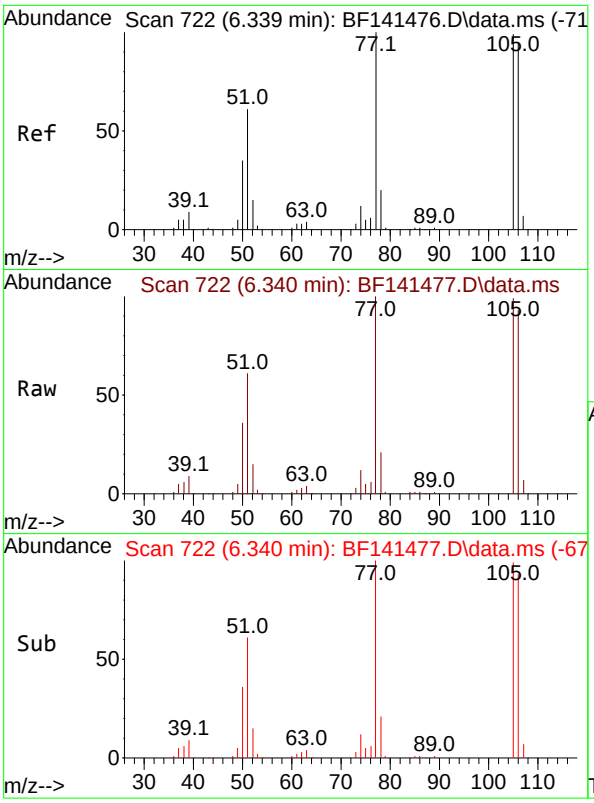




#8
2-Chlorophenol
Concen: 49.604 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:128 Resp: 300380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.9 | 12.7 | 52.7 |
| 64 | 50.3 | 28.3 | 68.3 |



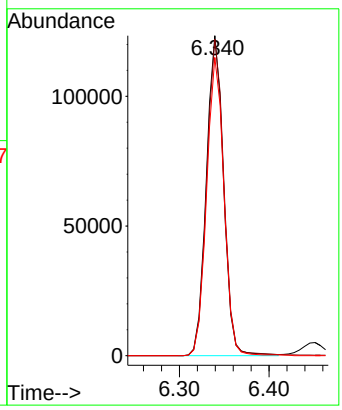


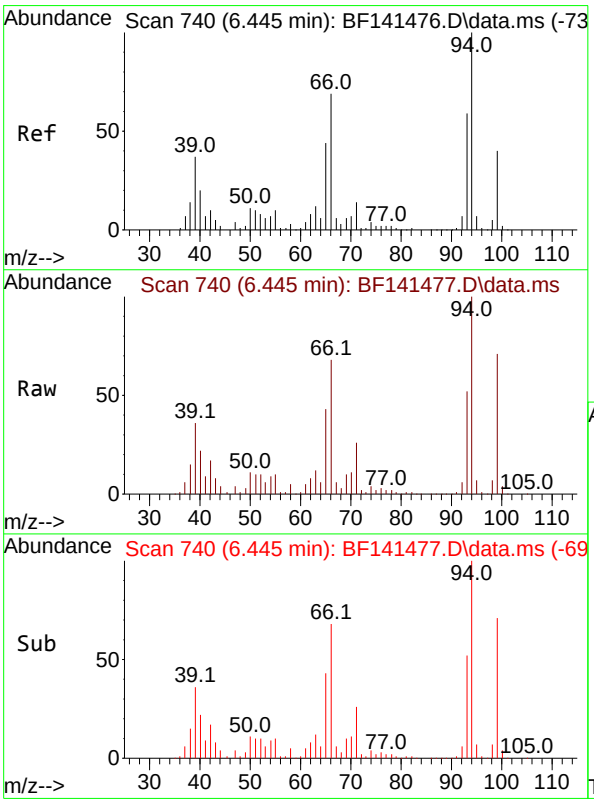

#9
Benzaldehyde
Concen: 43.605 ng
RT: 6.340 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 77 Resp: 164133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 98.9 | 79.4 | 119.4 |
| 106 | 93.2 | 75.1 | 115.1 |

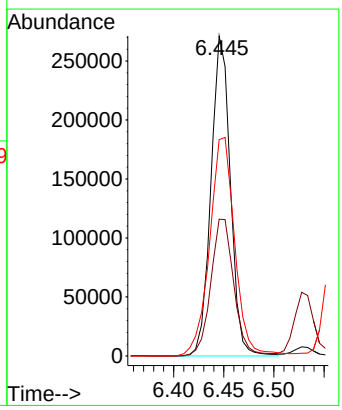


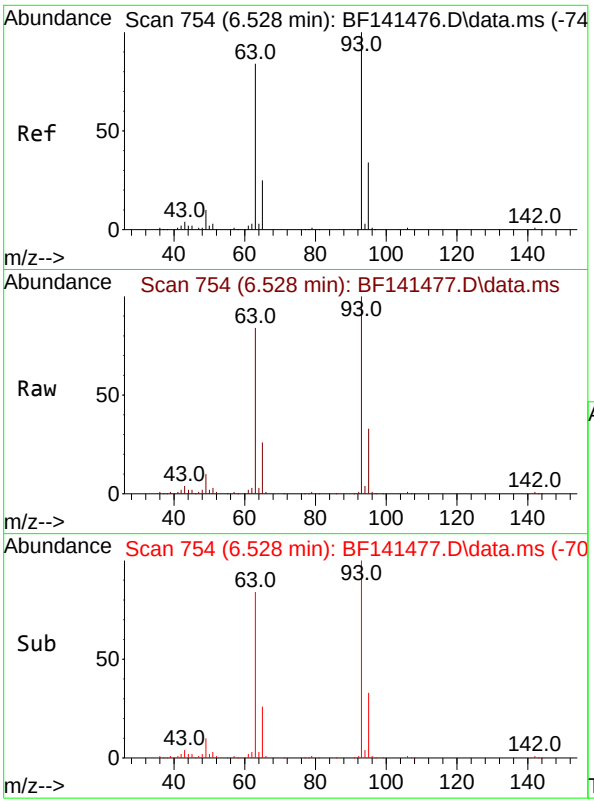




#10
Phenol
Concen: 49.425 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 94 Resp: 364380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 42.8 | 23.7 | 63.7 |
| 66 | 67.6 | 49.3 | 89.3 |



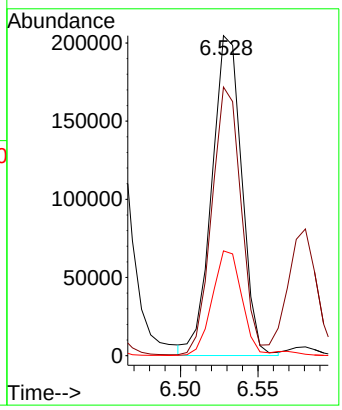


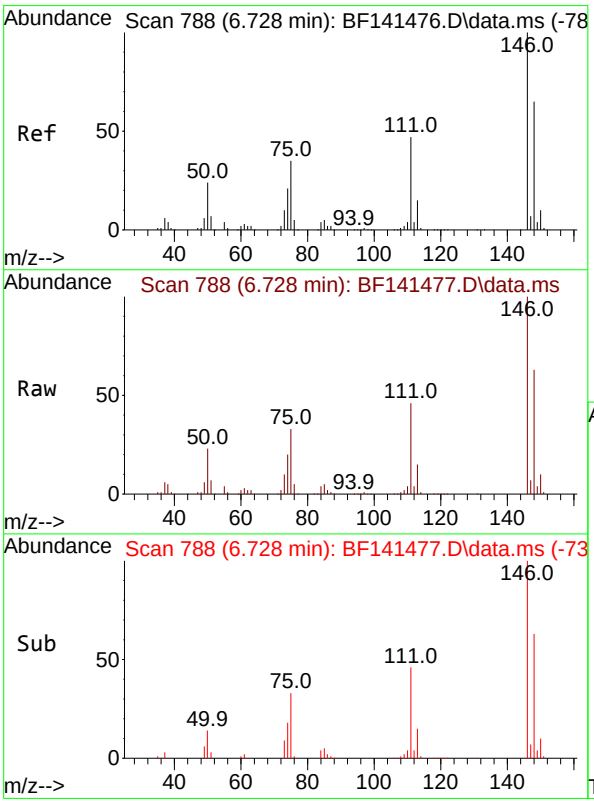

#11
bis(2-Chloroethyl)ether
Concen: 49.643 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 93 Resp: 274892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 83.9 | 62.0 | 102.0 |
| 95 | 32.8 | 12.6 | 52.6 |

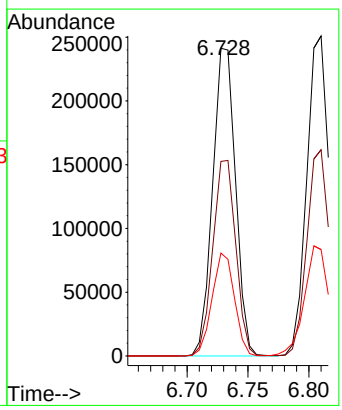


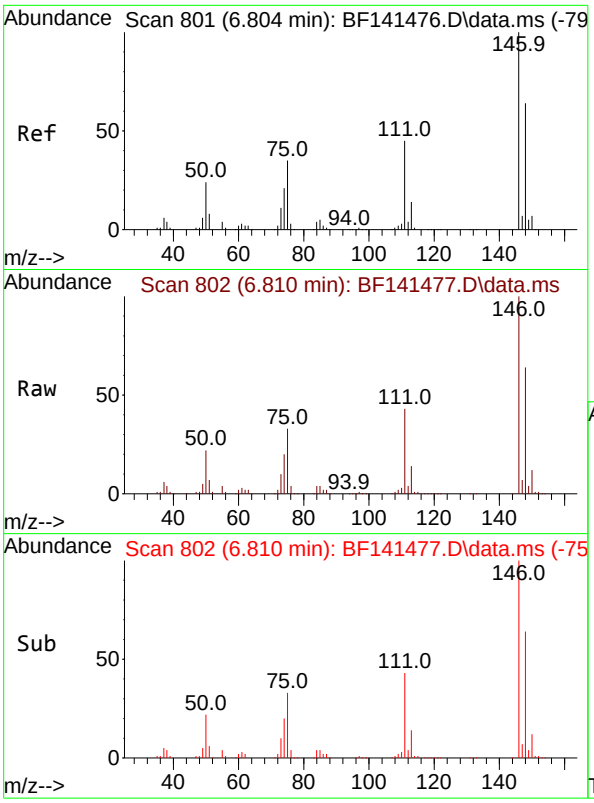




#12
1,3-Dichlorobenzene
Concen: 49.506 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:146 Resp: 316493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.2 | 51.9 | 77.9 |
| 75 | 33.4 | 28.2 | 42.2 |



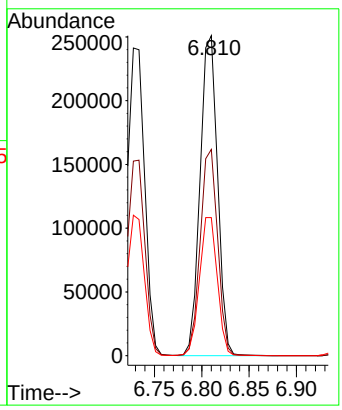


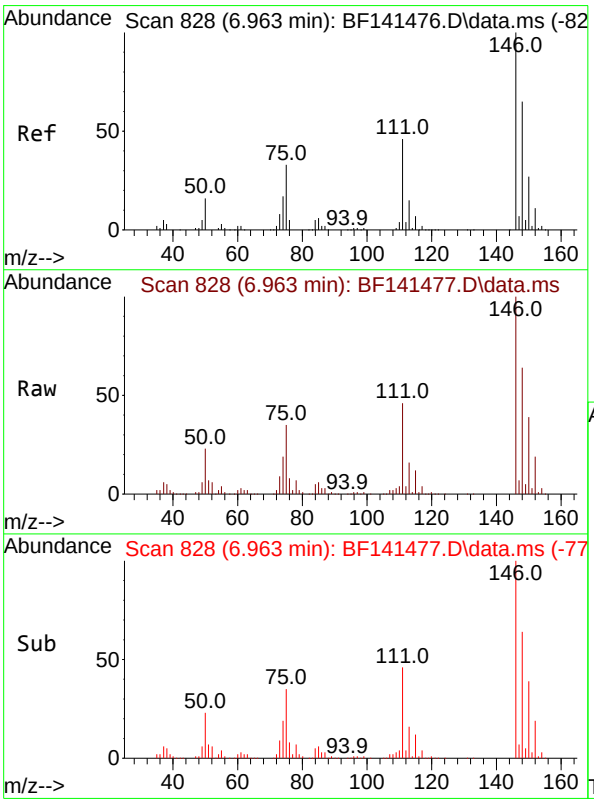

#13
1,4-Dichlorobenzene
Concen: 49.264 ng
RT: 6.810 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:146 Resp: 321786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.5 | 50.9 | 76.3 |
| 111 | 43.1 | 35.9 | 53.9 |

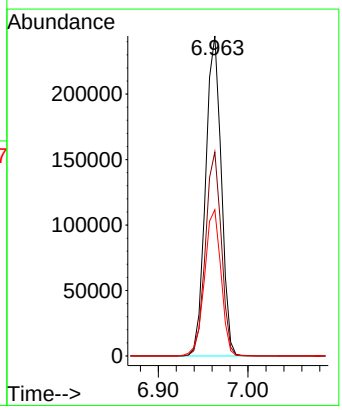


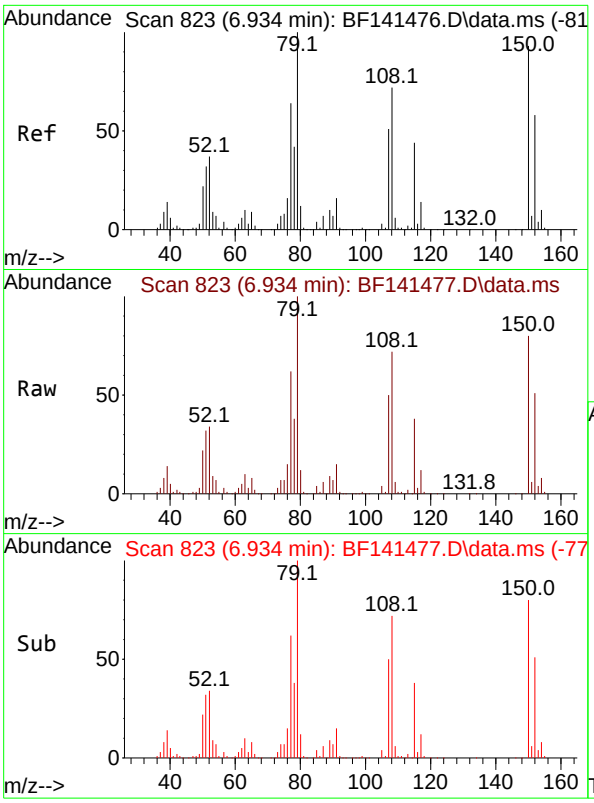




#14
1,2-Dichlorobenzene
Concen: 48.964 ng
RT: 6.963 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:146 Resp: 296834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.8 | 77.6 |
| 111 | 45.7 | 37.0 | 55.4 |



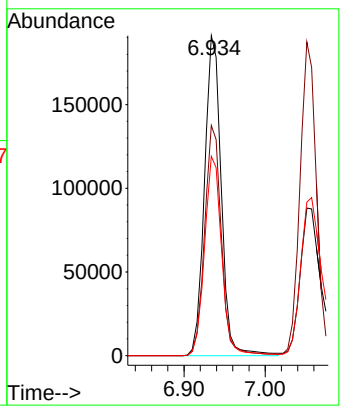


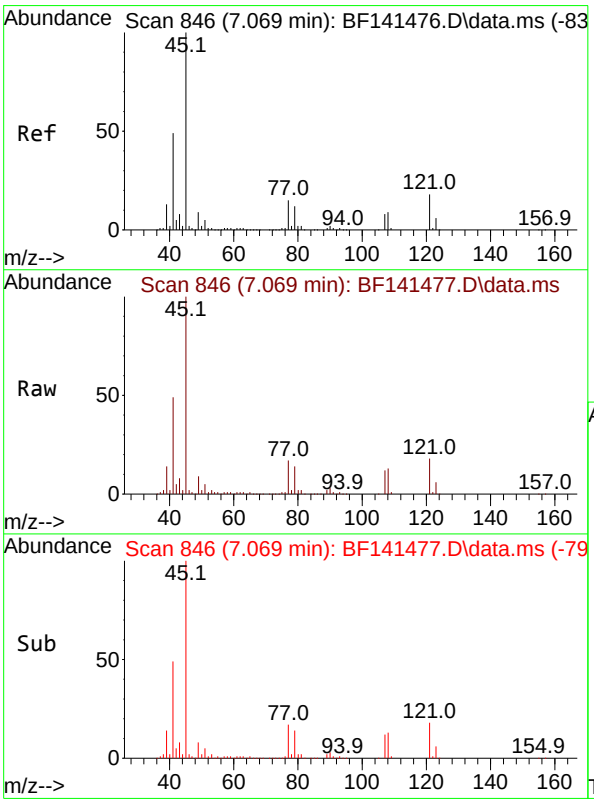

#15
Benzyl Alcohol
Concen: 50.451 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 79 Resp: 274040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 71.9 | 57.4 | 86.2 |
| 77 | 62.3 | 50.9 | 76.3 |

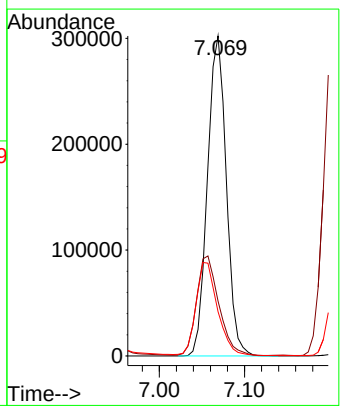


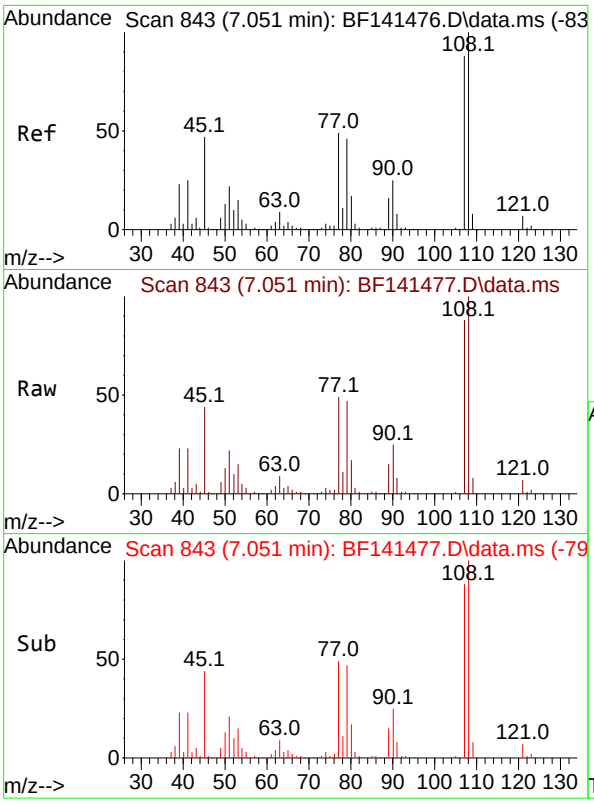




#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.091 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 45 Resp: 465332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.2 | 0.0 | 35.8 |
| 79 | 13.9 | 0.0 | 32.7 |



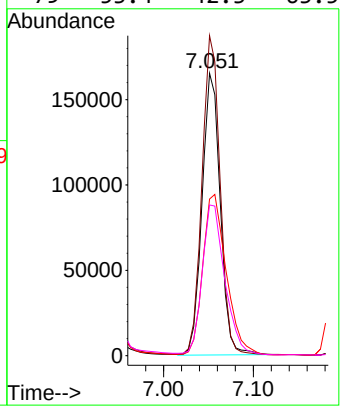


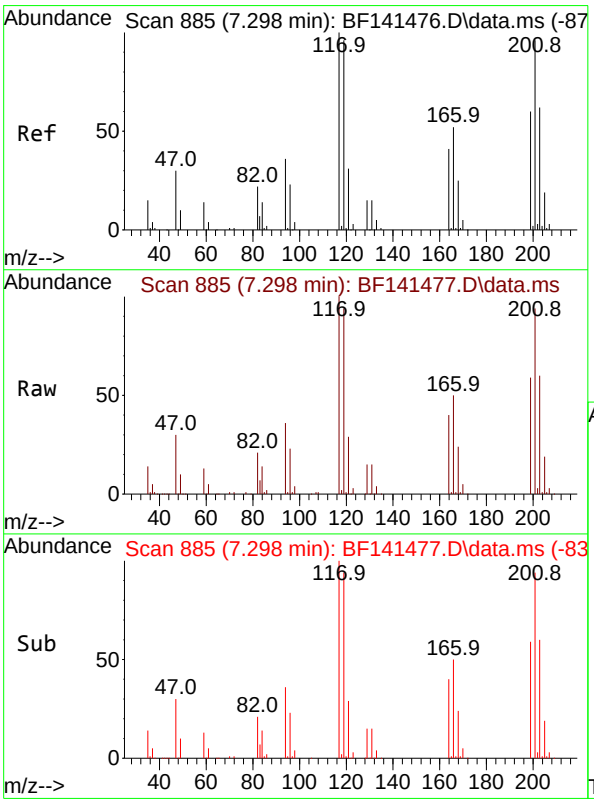

#17
2-Methylphenol
Concen: 49.081 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:107 Resp: 232571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.3 | 90.6 | 136.0 |
| 77 | 55.4 | 44.4 | 66.6 |
| 79 | 53.4 | 42.3 | 63.5 |

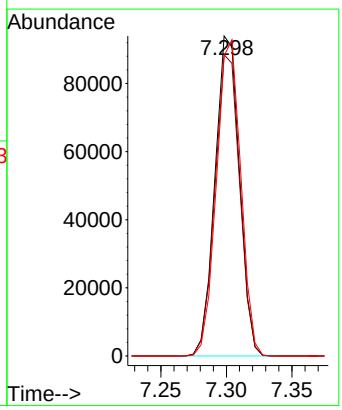


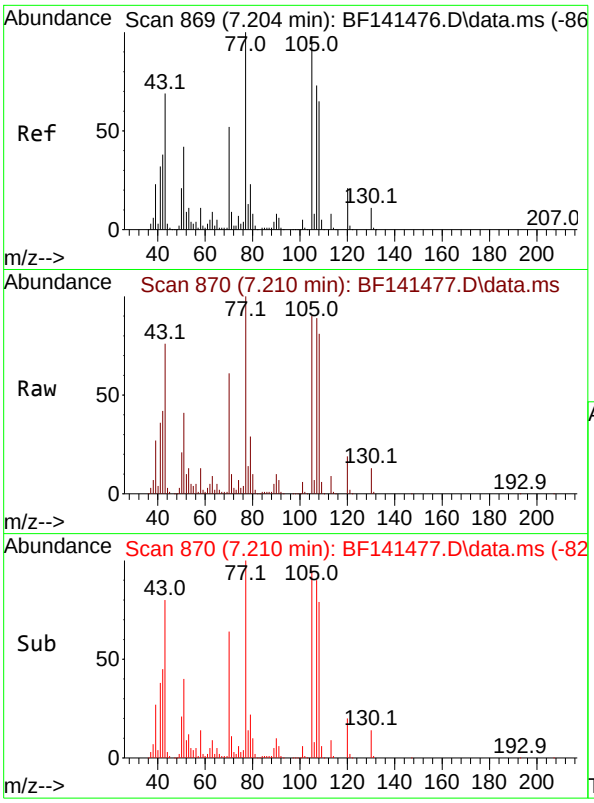




#18
Hexachloroethane
Concen: 50.498 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:117 Resp: 122071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.2 | 76.5 | 114.7 |
| 201 | 93.8 | 76.7 | 115.1 |



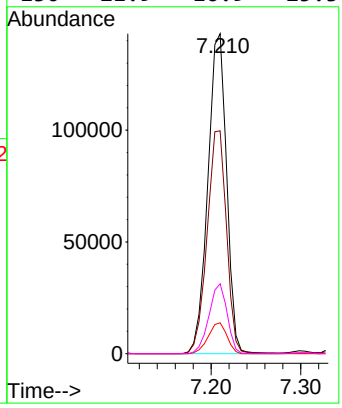


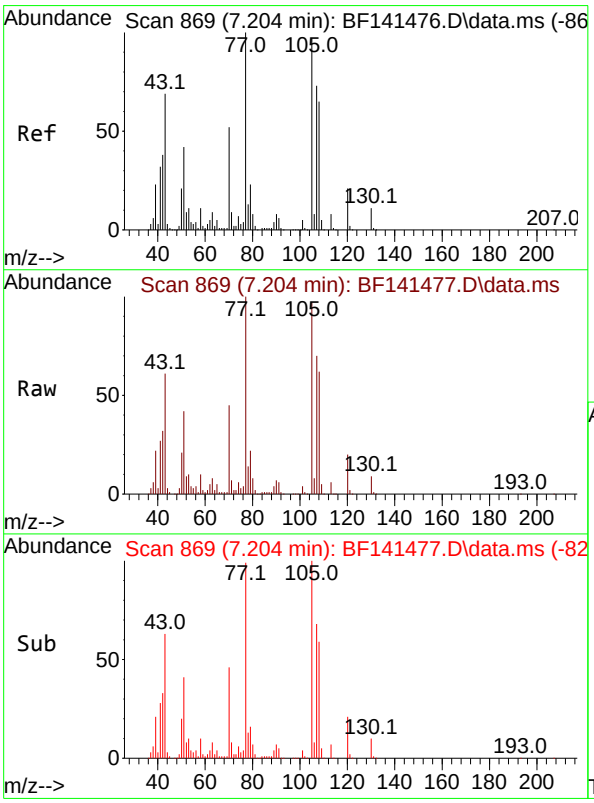

#19
n-Nitroso-di-n-propylamine
Concen: 49.072 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 70 Resp: 207915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 69.6 | 57.4 | 86.2 |
| 101 | 9.6 | 8.0 | 12.0 |
| 130 | 21.9 | 16.9 | 25.3 |

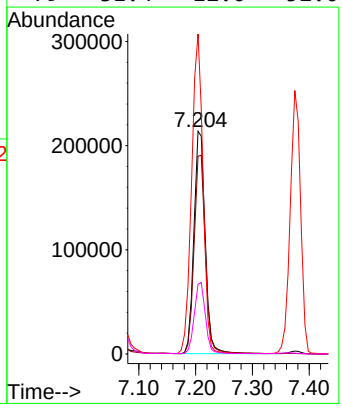


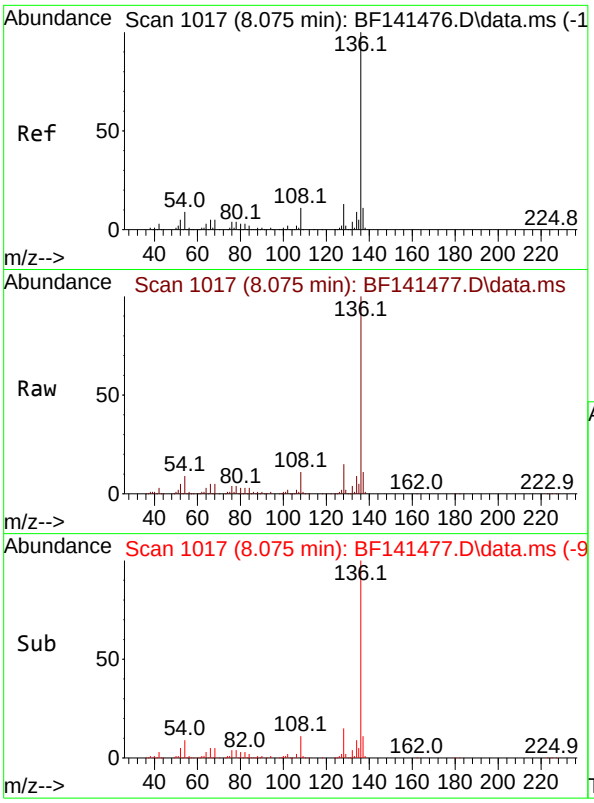




#20
3+4-Methylphenols
Concen: 49.011 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:107 Resp: 295179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.9 | 68.5 | 108.5 |
| 77 | 143.8 | 116.5 | 156.5 |
| 79 | 31.4 | 12.0 | 52.0 |



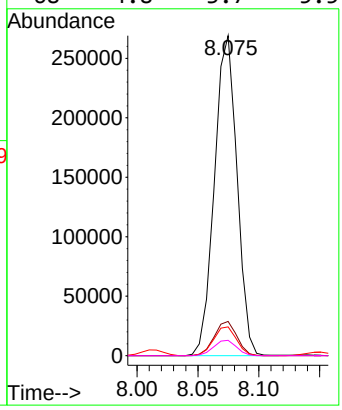


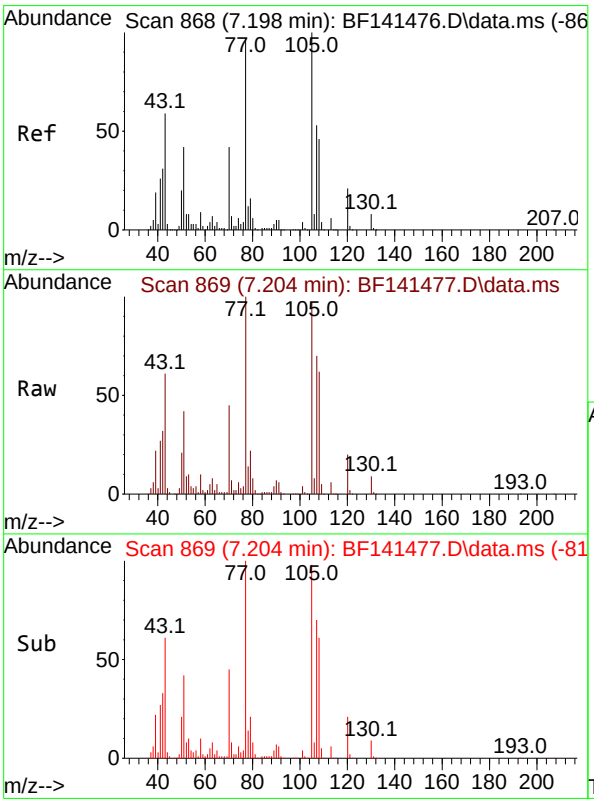

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:136 Resp: 347298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.6 | 13.0 |
| 54 | 9.0 | 7.2 | 10.8 |
| 68 | 4.8 | 3.7 | 5.5 |

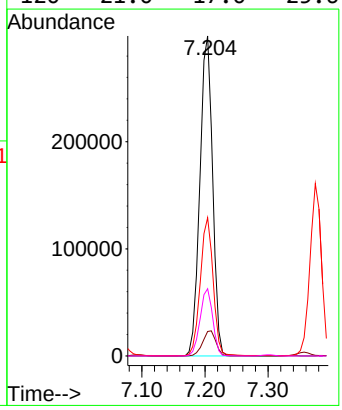


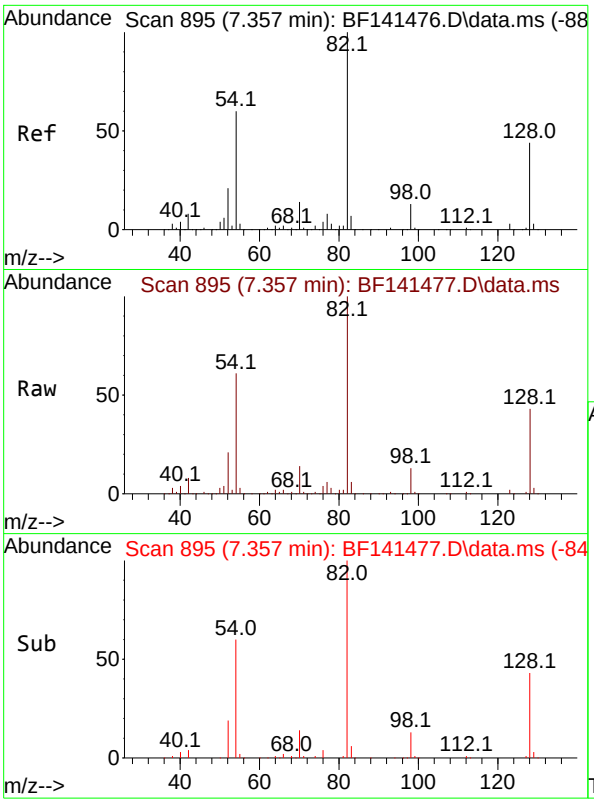




#22
Acetophenone
Concen: 48.588 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:105 Resp: 419759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.7 | 5.7 | 8.5 |
| 51 | 43.2 | 33.7 | 50.5 |
| 120 | 21.0 | 17.0 | 25.6 |



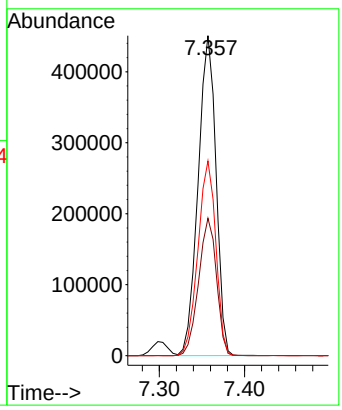


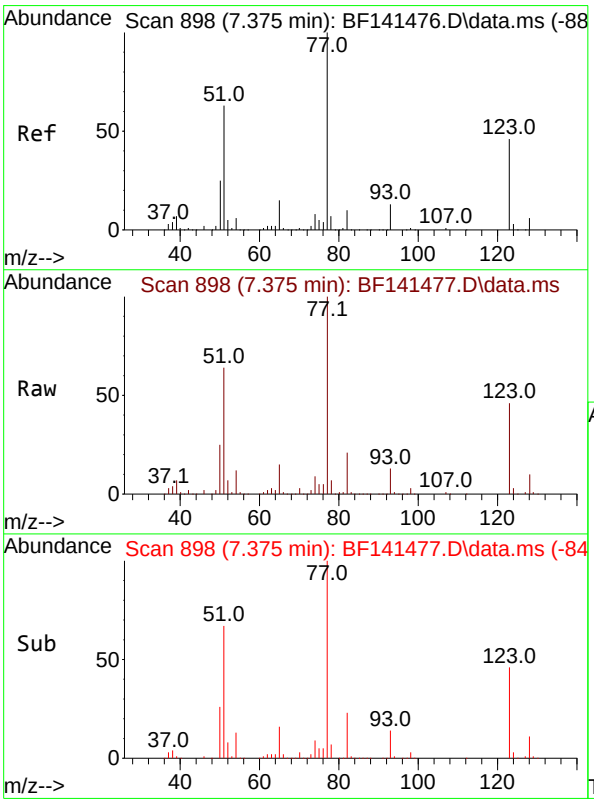

#23
Nitrobenzene-d5
Concen: 98.686 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 82 Resp: 657106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.9 | 34.8 | 52.2 |
| 54 | 60.9 | 48.2 | 72.4 |

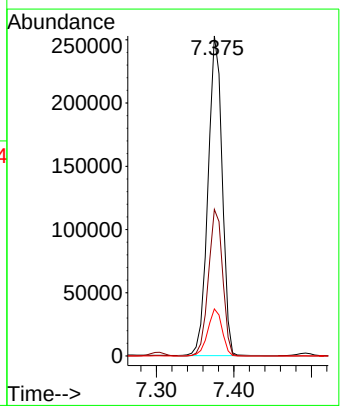


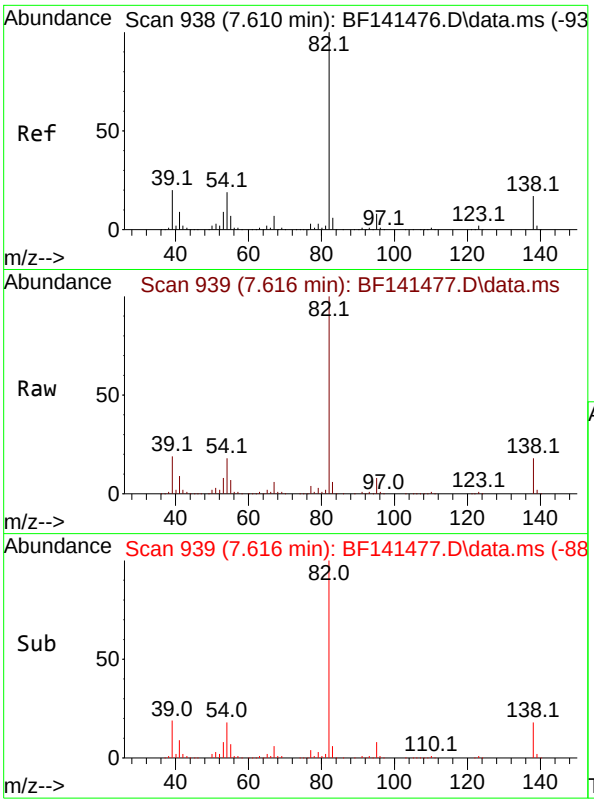




#24
Nitrobenzene
Concen: 49.308 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 77 Resp: 320155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 45.8 | 36.9 | 55.3 |
| 65 | 14.7 | 11.9 | 17.9 |



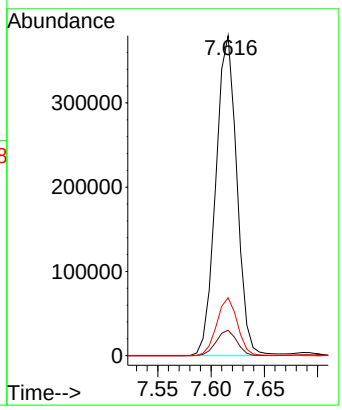


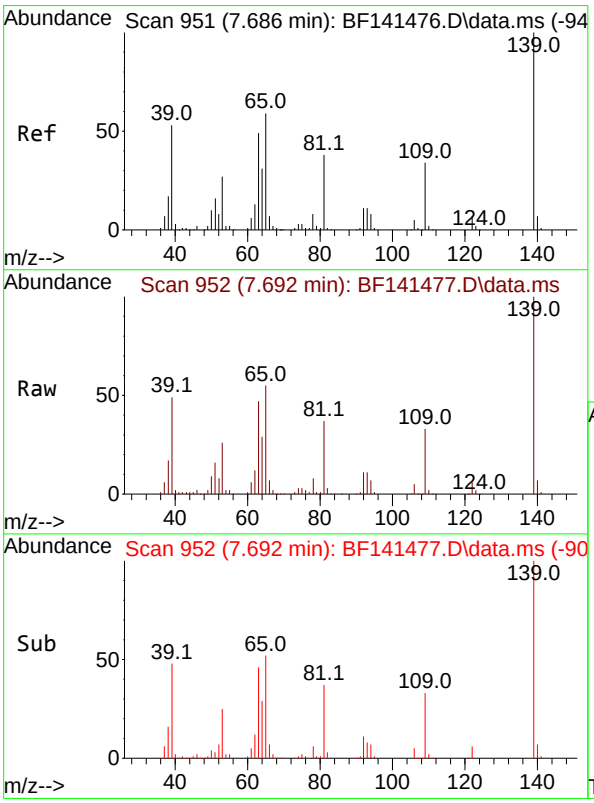

#25
Isophorone
Concen: 49.123 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 82 Resp: 521533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.0 | 6.4 | 9.6 |
| 138 | 18.1 | 13.9 | 20.9 |

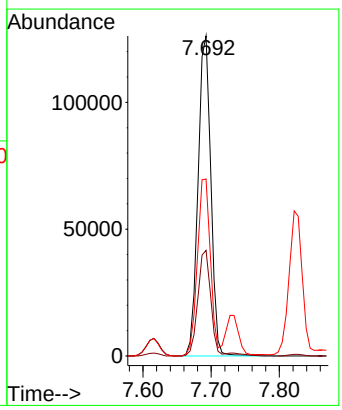


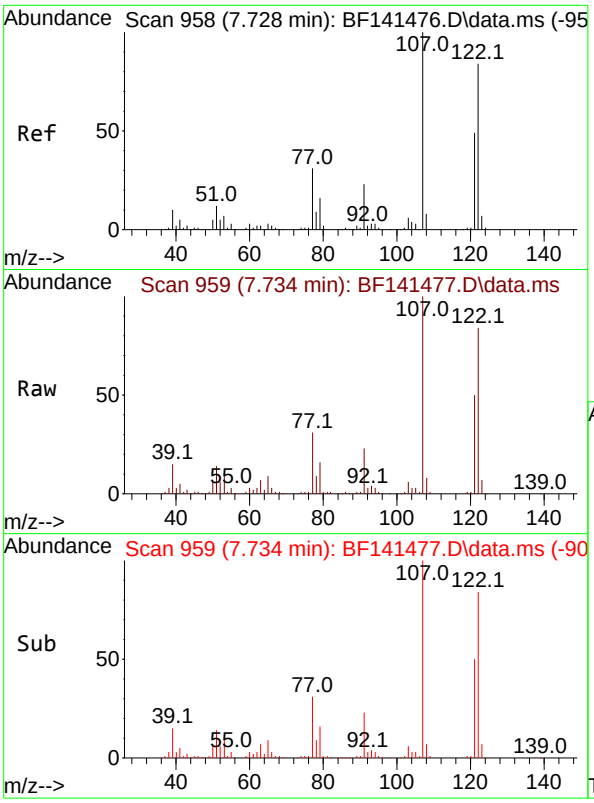




#26
2-Nitrophenol
Concen: 50.962 ng
RT: 7.692 min Scan# 952
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:139 Resp: 164623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.0 | 27.0 | 40.6 |
| 65 | 55.3 | 47.1 | 70.7 |



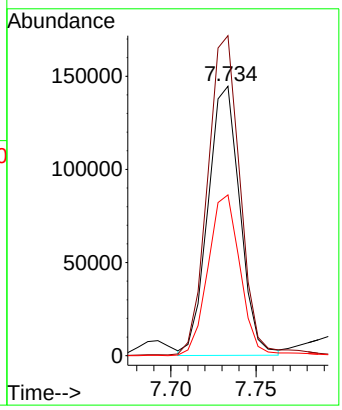


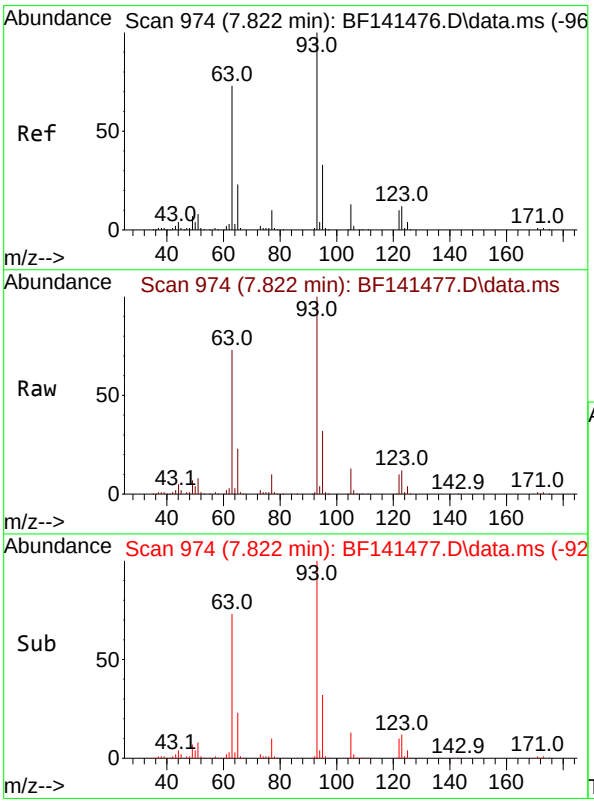

#27
2,4-Dimethylphenol
Concen: 50.093 ng
RT: 7.734 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:122 Resp: 189037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 118.8 | 94.3 | 141.5 |
| 121 | 59.7 | 46.0 | 69.0 |

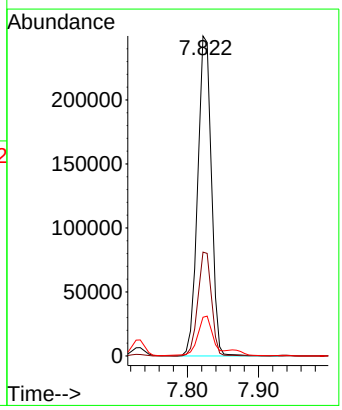


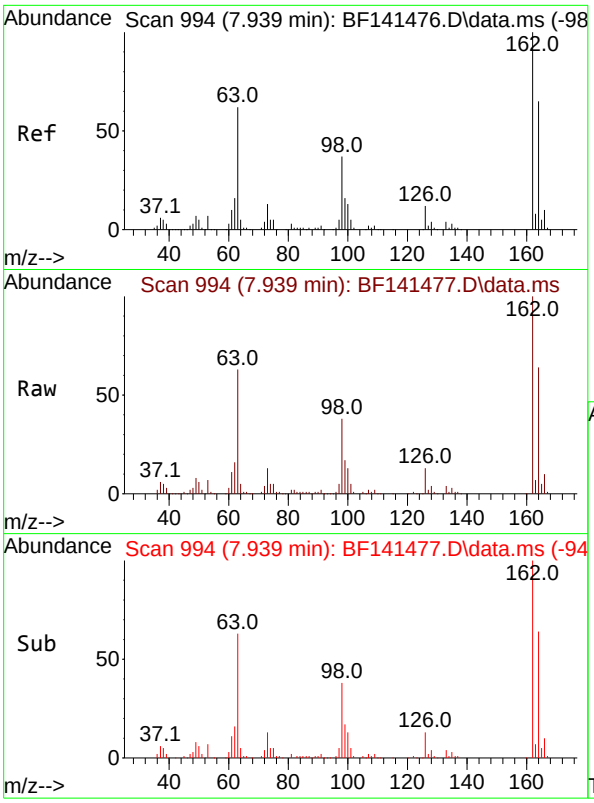




#28
bis(2-Chloroethoxy)methane
Concen: 49.430 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 93 Resp: 336274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.5 | 26.1 | 39.1 |
| 123 | 12.1 | 9.5 | 14.3 |



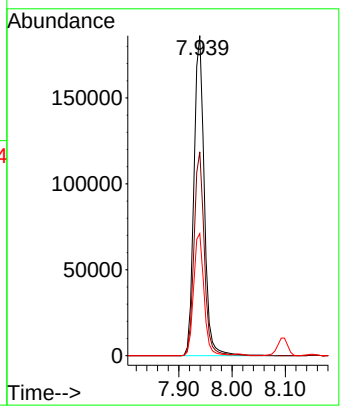


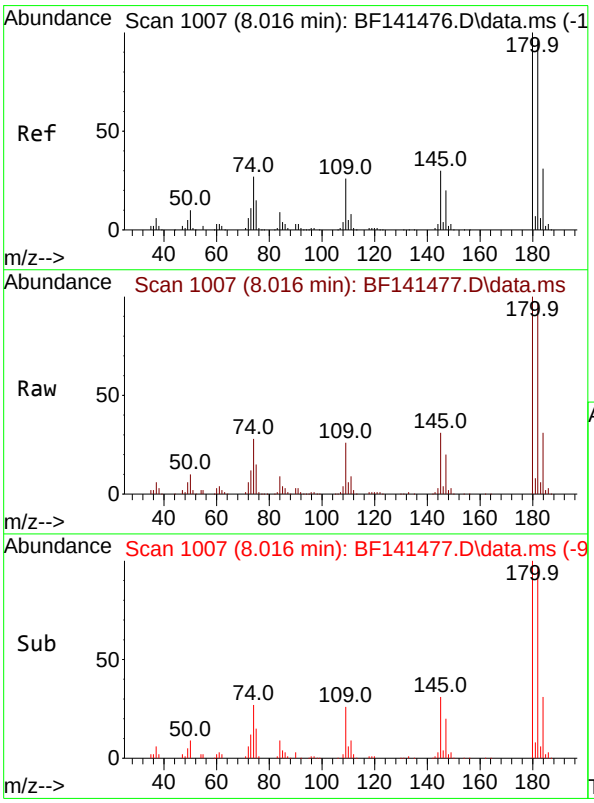

#29
2,4-Dichlorophenol
Concen: 49.328 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:162 Resp: 251518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.7 | 44.6 | 84.6 |
| 98 | 38.1 | 17.2 | 57.2 |

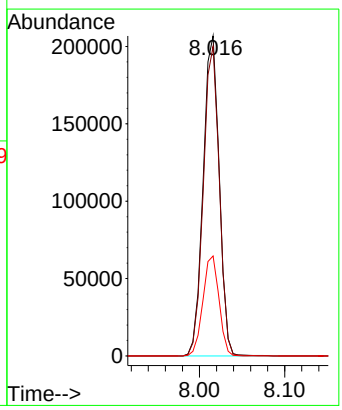


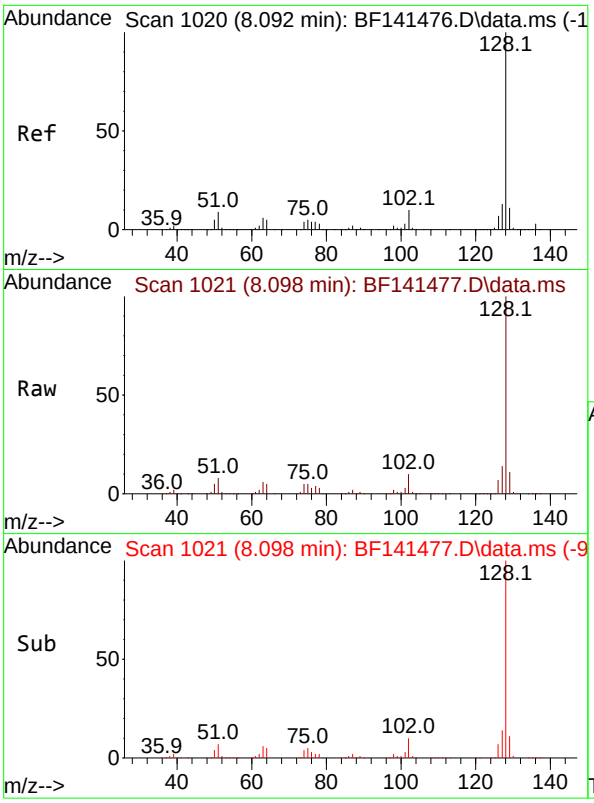




#30
1,2,4-Trichlorobenzene
Concen: 48.788 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:180 Resp: 270897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.8 | 76.8 | 115.2 |
| 145 | 31.3 | 24.2 | 36.4 |



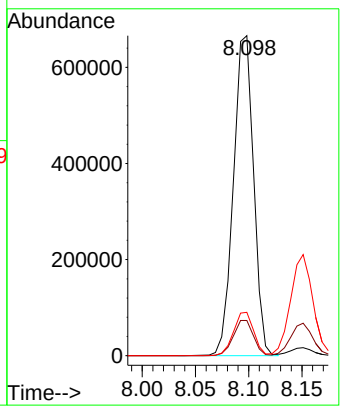


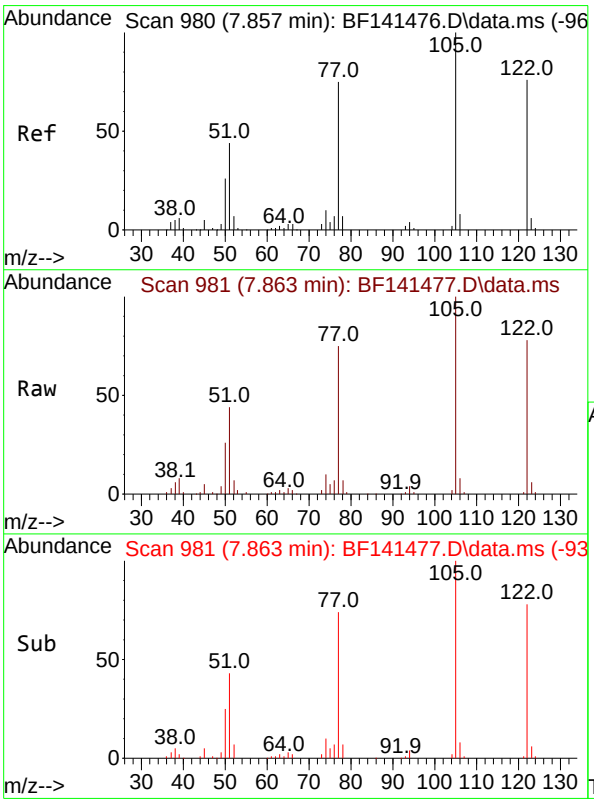

#31
Naphthalene
Concen: 48.605 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:128 Resp: 878692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.9 | 13.3 |
| 127 | 13.6 | 10.7 | 16.1 |

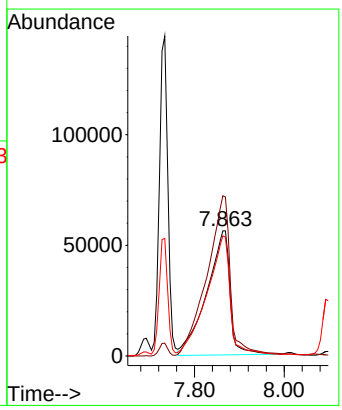


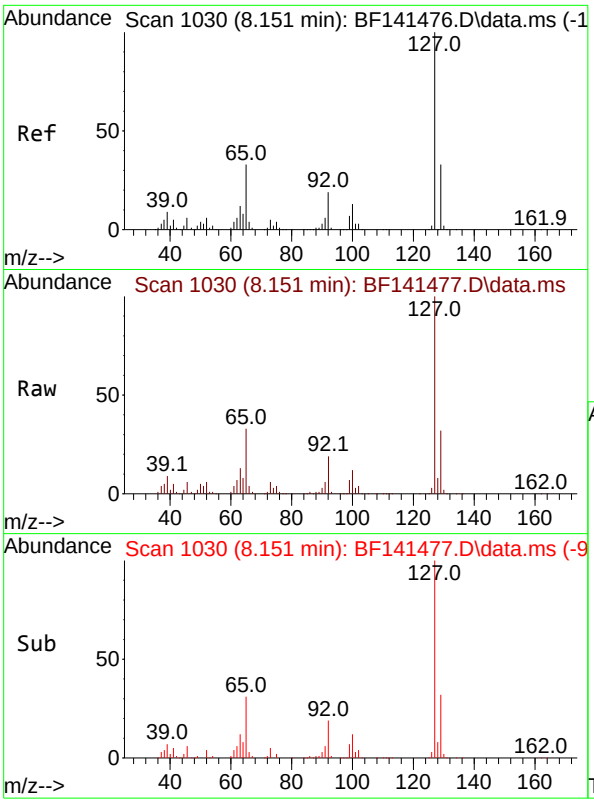




#32
Benzoic acid
Concen: 51.719 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.029 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:122 Resp: 202728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 128.0 | 106.5 | 146.5 |
| 77 | 96.0 | 76.3 | 116.3 |



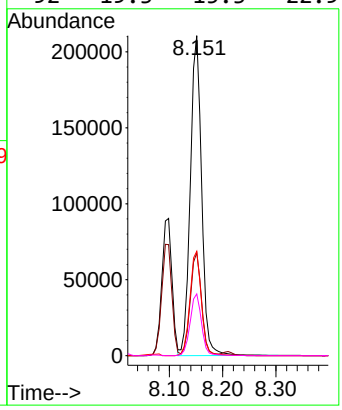


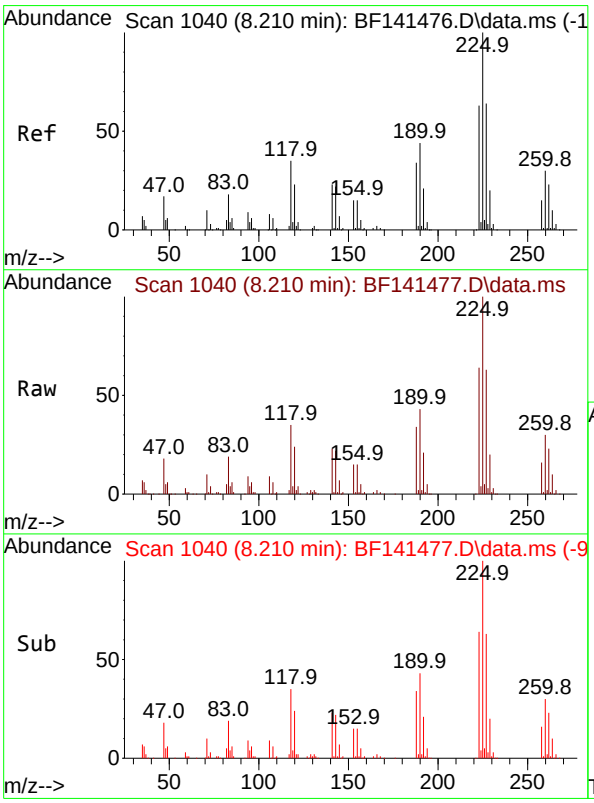

#33
4-Chloroaniline
Concen: 49.471 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:127 Resp: 312251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.2 | 26.5 | 39.7 |
| 65 | 32.6 | 26.4 | 39.6 |
| 92 | 19.3 | 15.3 | 22.9 |

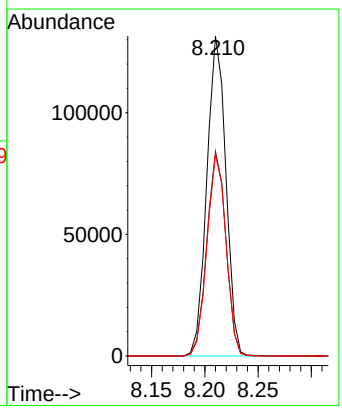


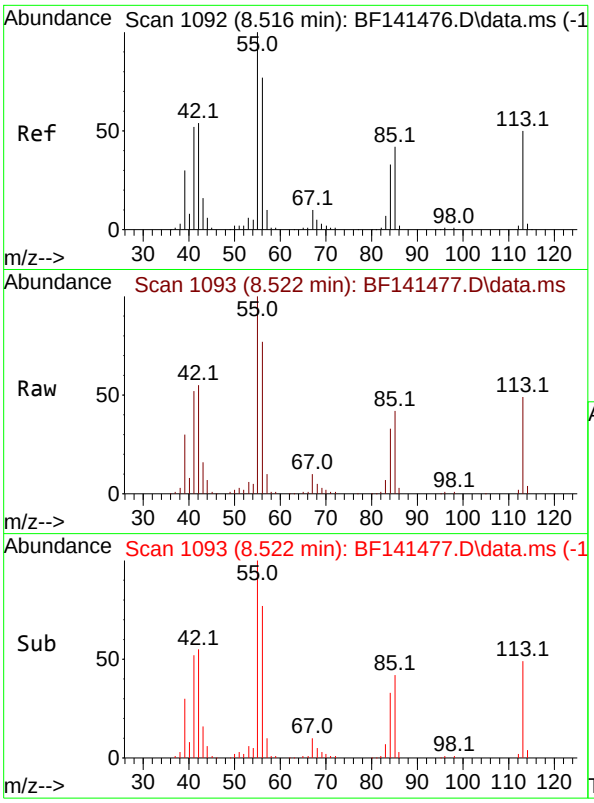




#34
Hexachlorobutadiene
Concen: 48.971 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:225 Resp: 163240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.9 | 50.1 | 75.1 |
| 227 | 62.8 | 51.0 | 76.6 |



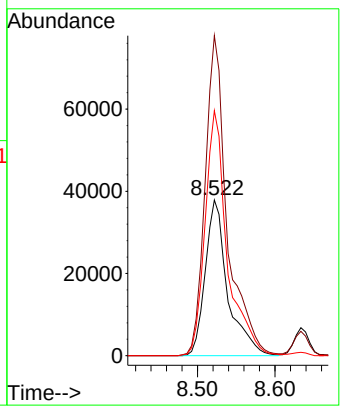


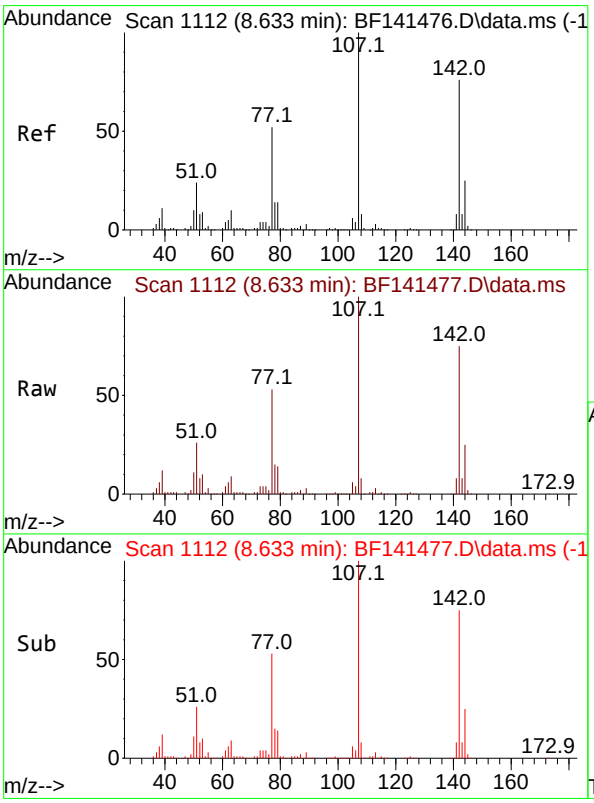

#35
Caprolactam
Concen: 49.180 ng
RT: 8.522 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:113 Resp: 76350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 205.6 | 180.8 | 220.8 |
| 56 | 157.4 | 133.6 | 173.6 |

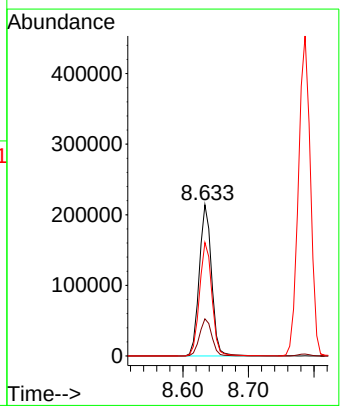


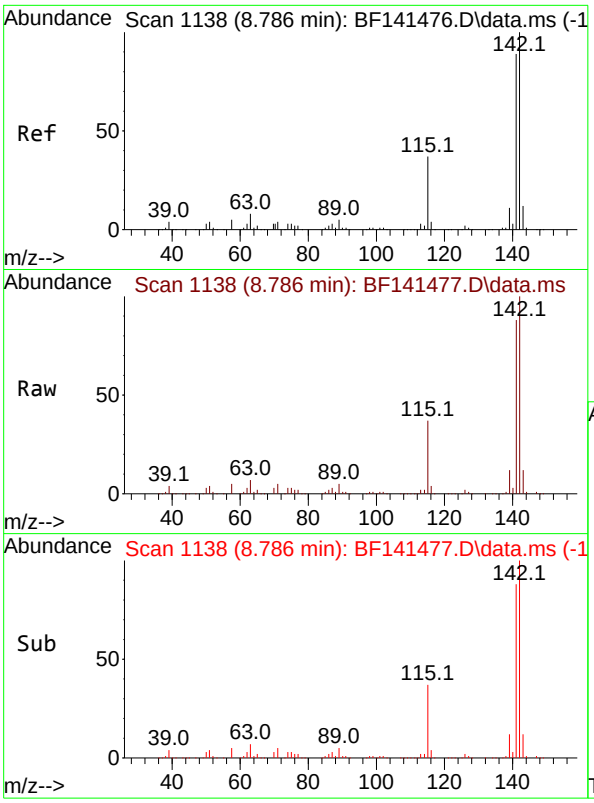




#36
4-Chloro-3-methylphenol
Concen: 49.736 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:107 Resp: 280911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.5 | 19.7 | 29.5 |
| 142 | 75.0 | 60.8 | 91.2 |



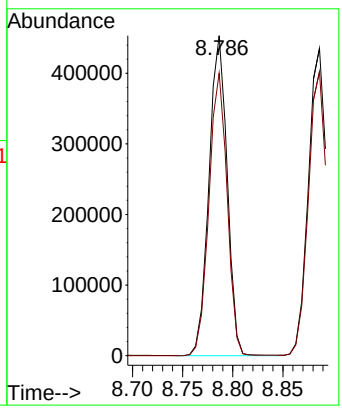


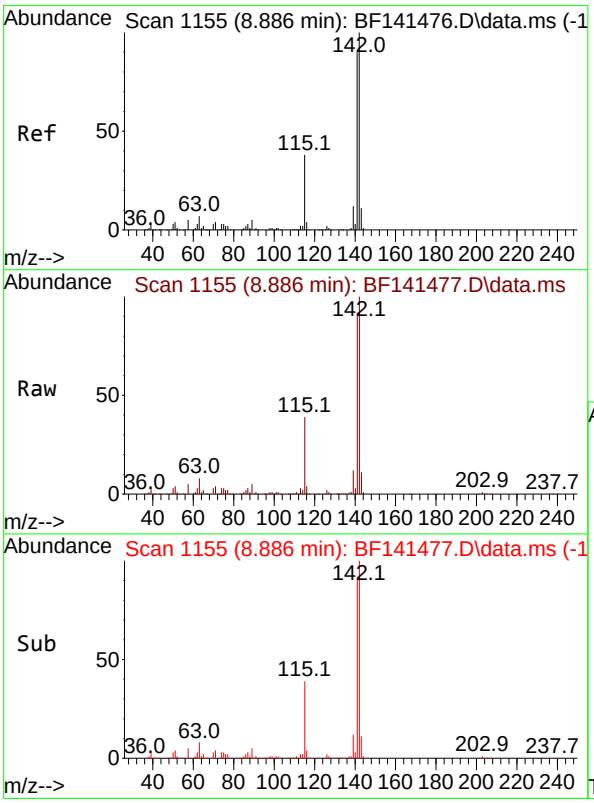

#37
2-Methylnaphthalene
Concen: 48.643 ng
RT: 8.786 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:142 Resp: 572244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.3 | 71.2 | 106.8 |

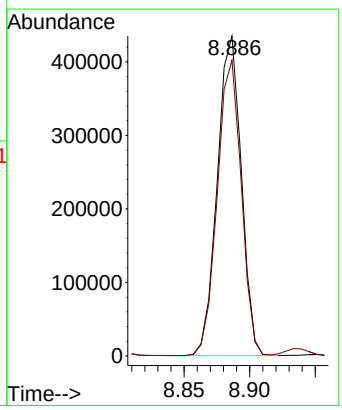


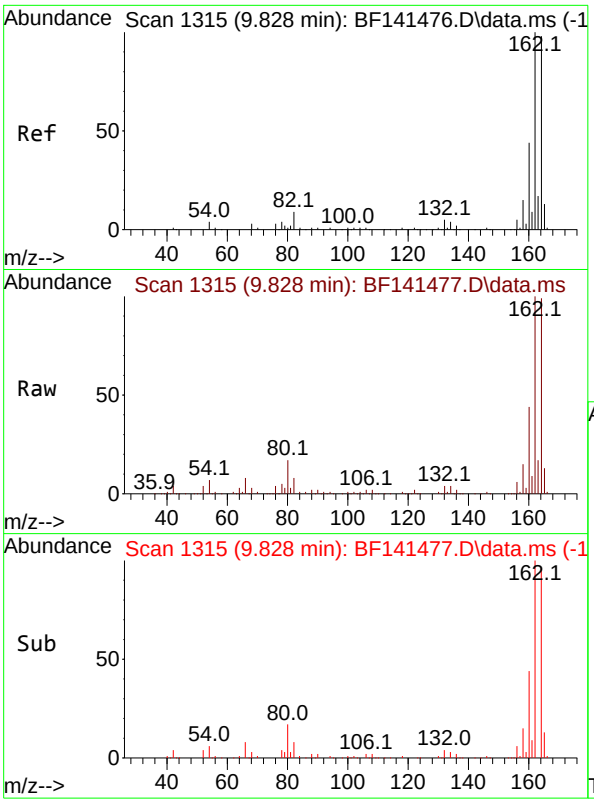




#38
1-Methylnaphthalene
Concen: 48.579 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:142 Resp: 553503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.4 | 72.1 | 108.1 |



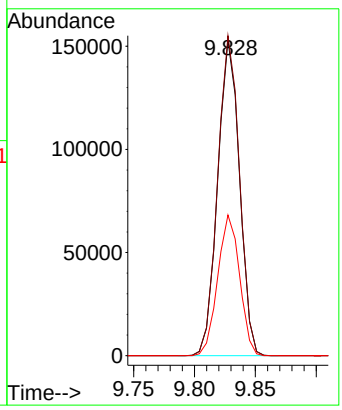


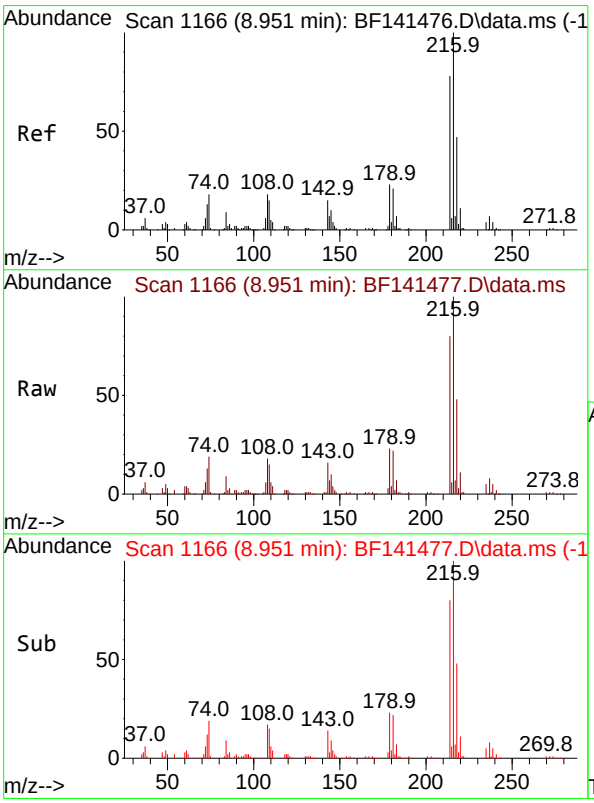

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:164 Resp: 190523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.5 | 81.3 | 121.9 |
| 160 | 44.6 | 35.9 | 53.9 |

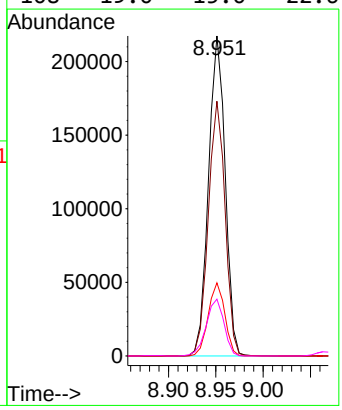


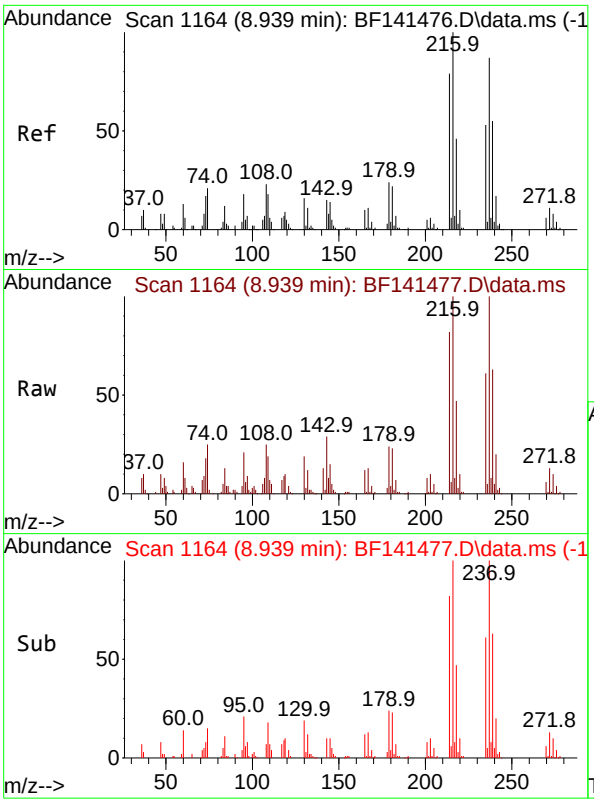




#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.369 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:216 Resp: 266614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 80.0 | 62.3 | 93.5 |
| 179 | 22.7 | 18.0 | 27.0 |
| 108 | 19.0 | 15.0 | 22.6 |



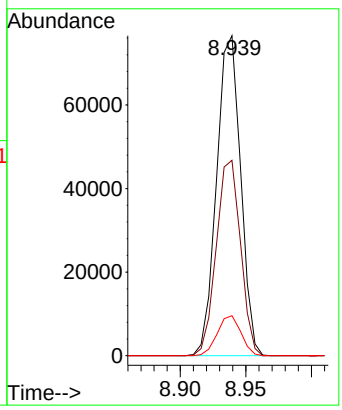


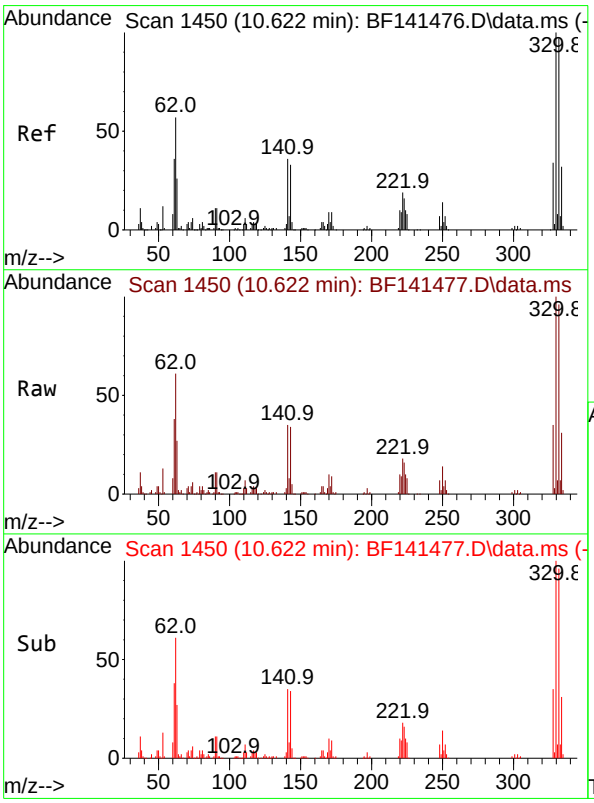

#41
Hexachlorocyclopentadiene
Concen: 53.276 ng
RT: 8.939 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:237 Resp: 97674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.1 | 41.4 | 81.4 |
| 272 | 12.5 | 0.0 | 32.4 |

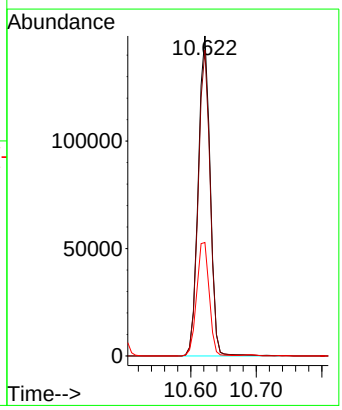


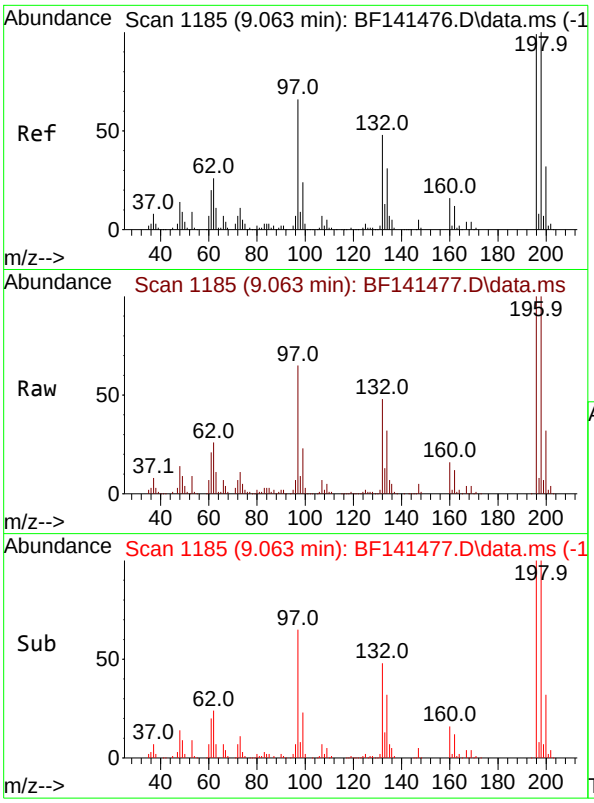




#42
2,4,6-Tribromophenol
Concen: 98.845 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:330 Resp: 189178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.8 | 78.5 | 117.7 |
| 141 | 37.2 | 31.0 | 46.4 |



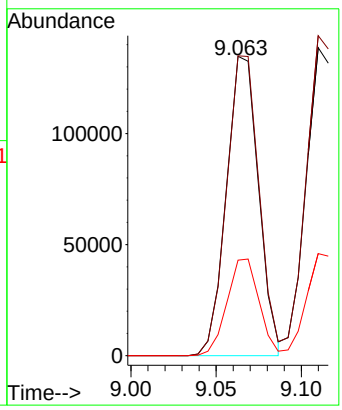


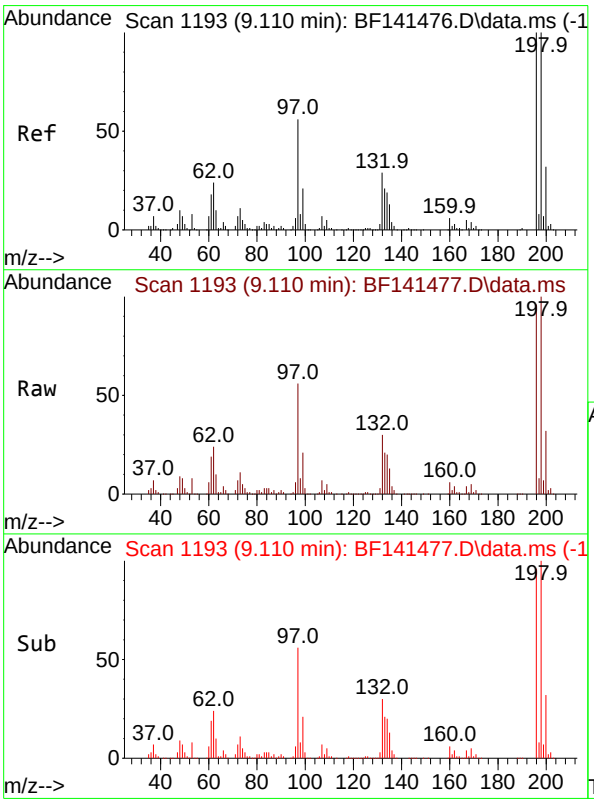

#43
2,4,6-Trichlorophenol
Concen: 49.825 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:196 Resp: 177503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.1 | 80.6 | 121.0 |
| 200 | 31.9 | 25.5 | 38.3 |

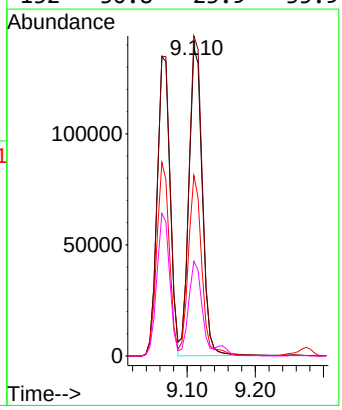


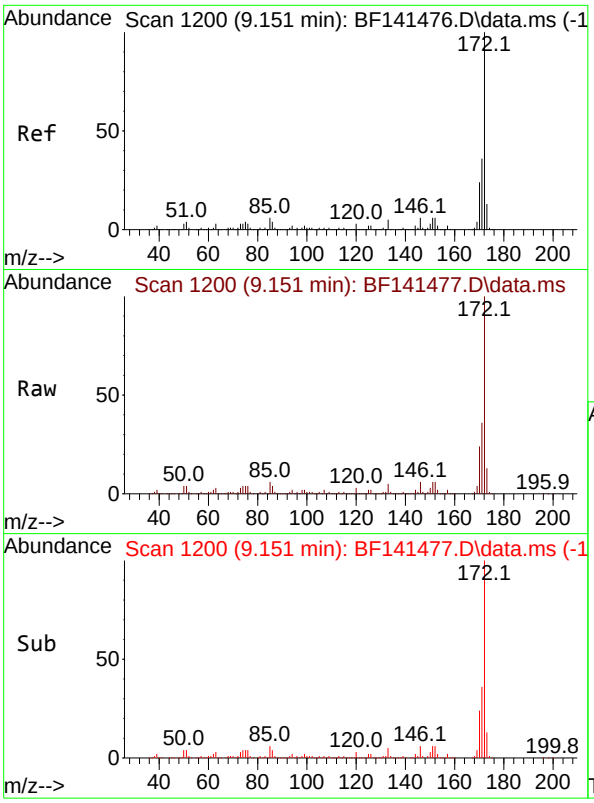




#44
2,4,5-Trichlorophenol
Concen: 48.667 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:196 Resp: 187902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 103.9 | 79.8 | 119.8 |
| 97 | 58.6 | 44.8 | 67.2 |
| 132 | 30.8 | 23.9 | 35.9 |



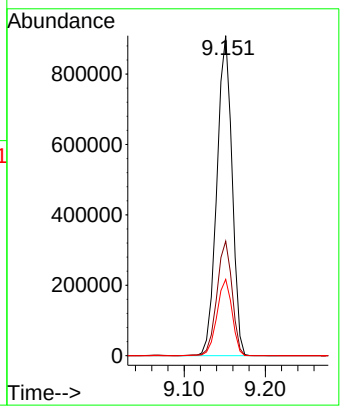


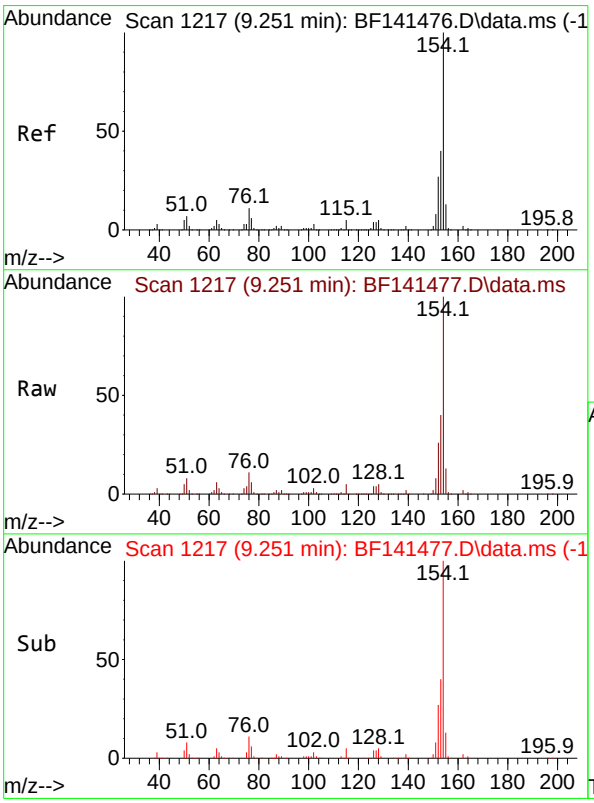

#45
2-Fluorobiphenyl
Concen: 95.605 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:172 Resp: 1182292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.8 | 28.7 | 43.1 |
| 170 | 23.8 | 18.9 | 28.3 |

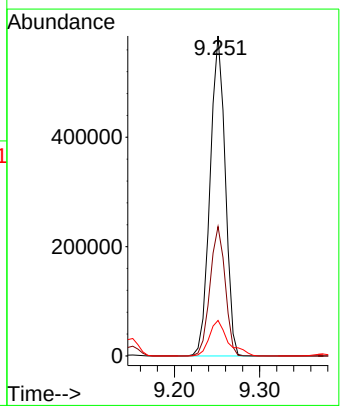


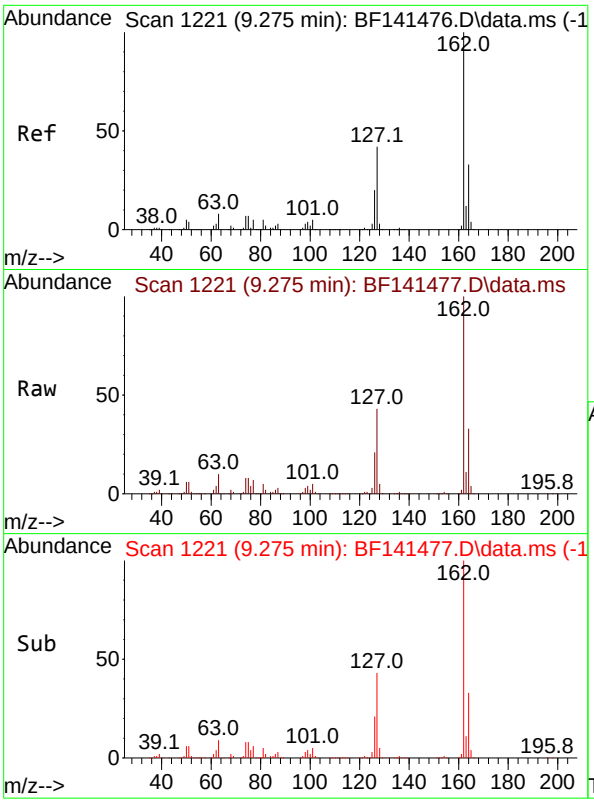




#46
1,1'-Biphenyl
Concen: 48.905 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:154 Resp: 722373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.4 | 20.4 | 60.4 |
| 76 | 11.1 | 0.0 | 30.8 |



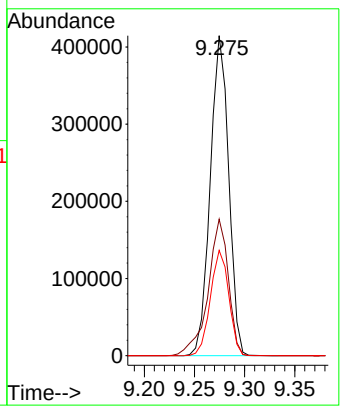


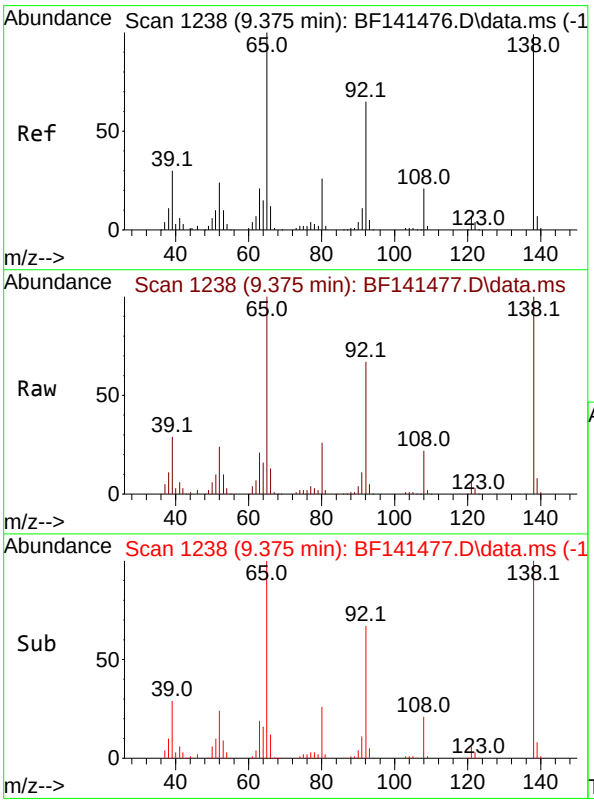

#47
2-Chloronaphthalene
Concen: 48.576 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:162 Resp: 530577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.6 | 34.1 | 51.1 |
| 164 | 32.9 | 26.3 | 39.5 |

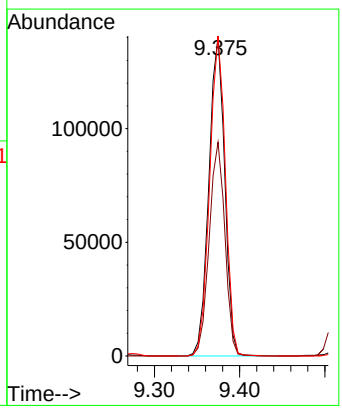


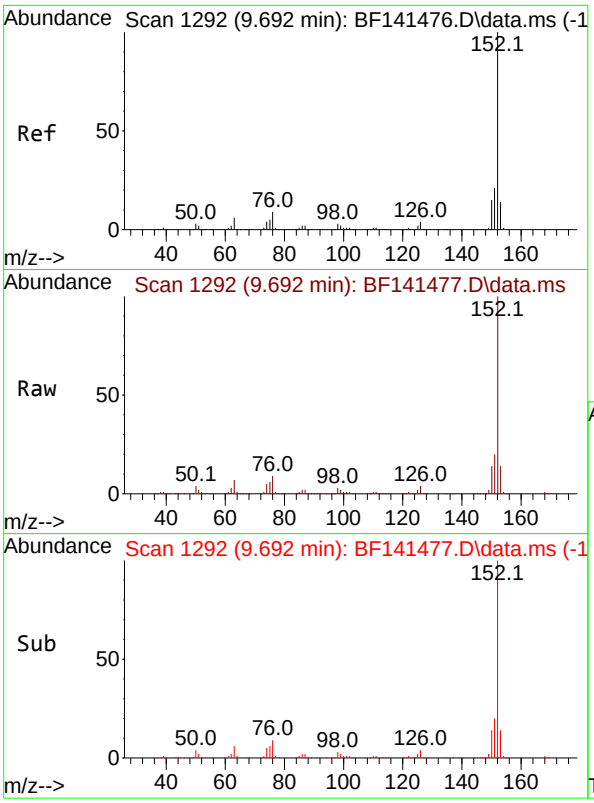




#48
2-Nitroaniline
Concen: 49.612 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 65 Resp: 181860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 67.0 | 52.2 | 78.2 |
| 138 | 100.2 | 79.5 | 119.3 |



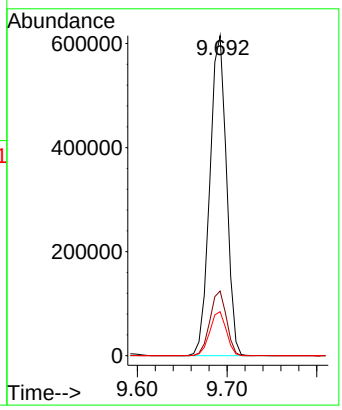


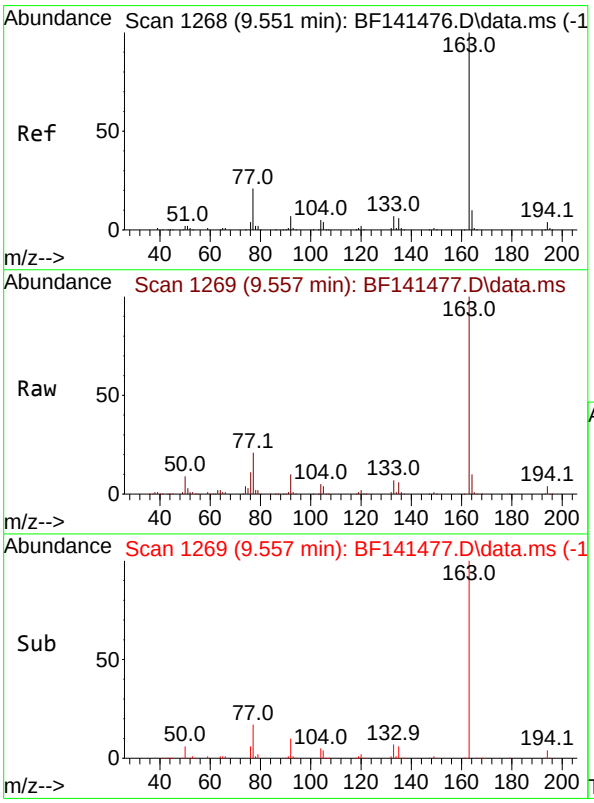

#49
Acenaphthylene
Concen: 48.672 ng
RT: 9.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:152 Resp: 790730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 16.4 | 24.6 |
| 153 | 13.7 | 10.9 | 16.3 |

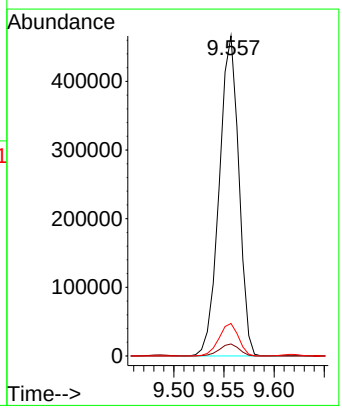


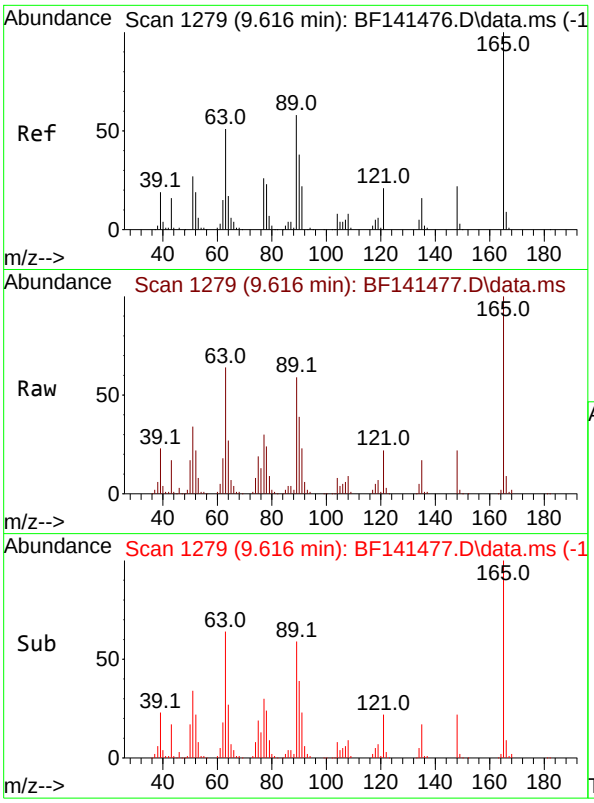




#50
Dimethylphthalate
Concen: 48.760 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:163 Resp: 630673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.4 |
| 164 | 10.1 | 7.9 | 11.9 |



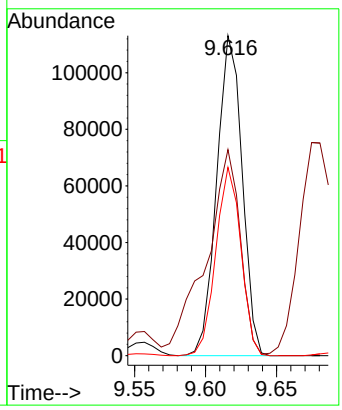


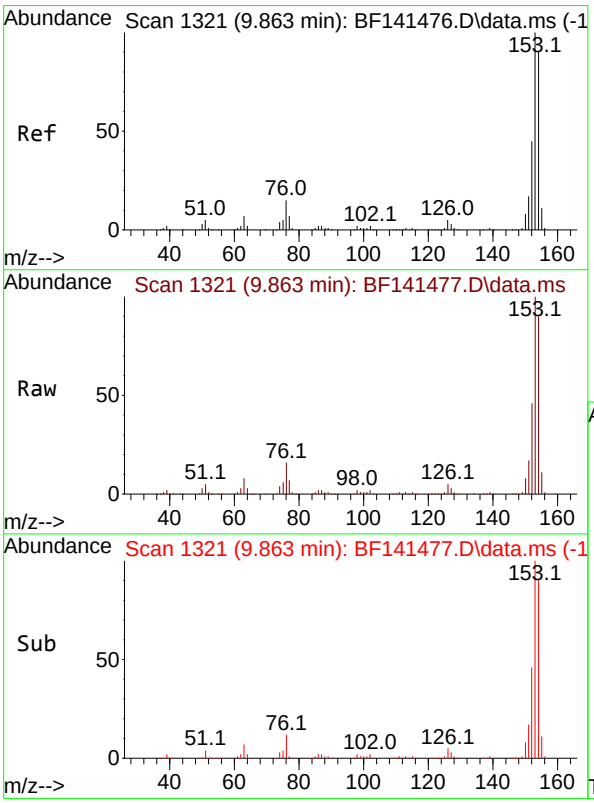

#51
2,6-Dinitrotoluene
Concen: 49.760 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:165 Resp: 140697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 64.4 | 49.4 | 74.0 |
| 89 | 58.9 | 46.5 | 69.7 |

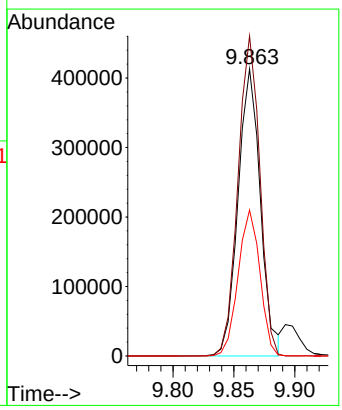


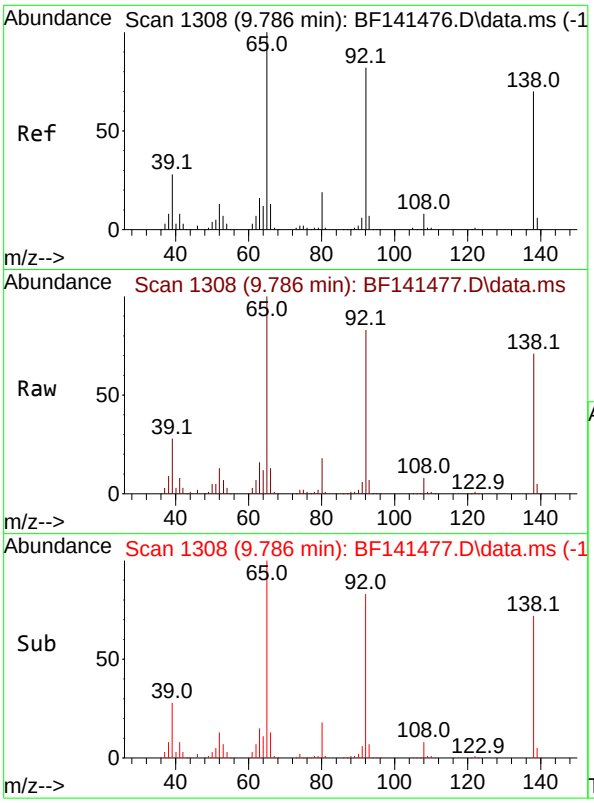




#52
Acenaphthene
Concen: 48.327 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:154 Resp: 527828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.5 | 89.2 | 133.8 |
| 152 | 50.8 | 39.8 | 59.8 |



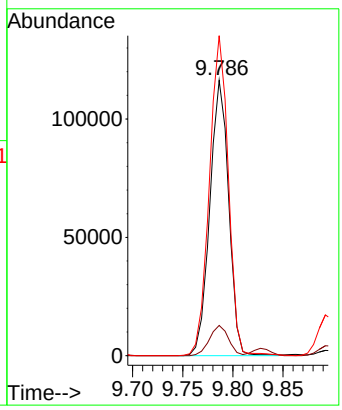


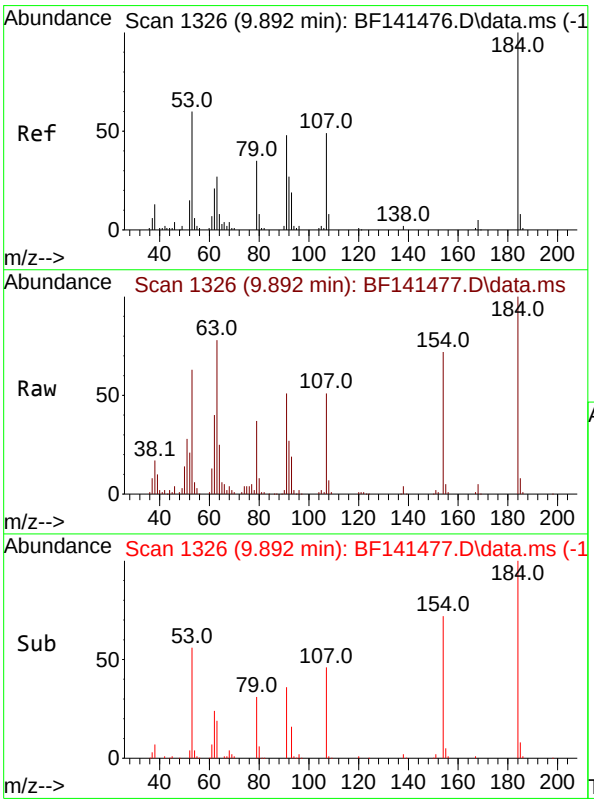

#53
3-Nitroaniline
Concen: 50.087 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:138 Resp: 152426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.0 | 9.0 | 13.4 |
| 92 | 116.2 | 93.7 | 140.5 |

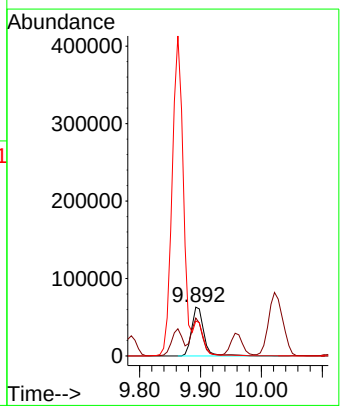


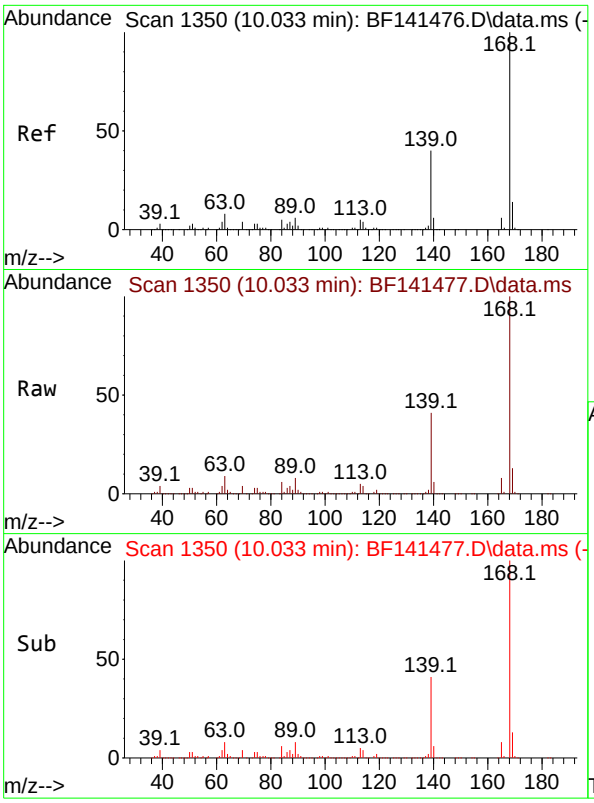




#54
2,4-Dinitrophenol
Concen: 52.339 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:184 Resp: 87953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 77.9 | 61.0 | 91.6 |
| 154 | 71.8 | 59.9 | 89.9 |



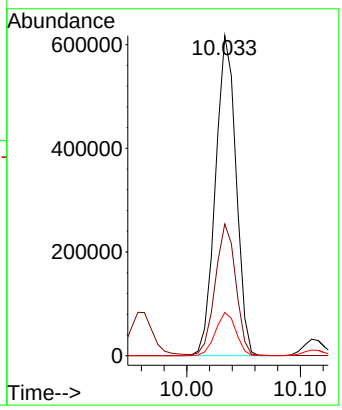


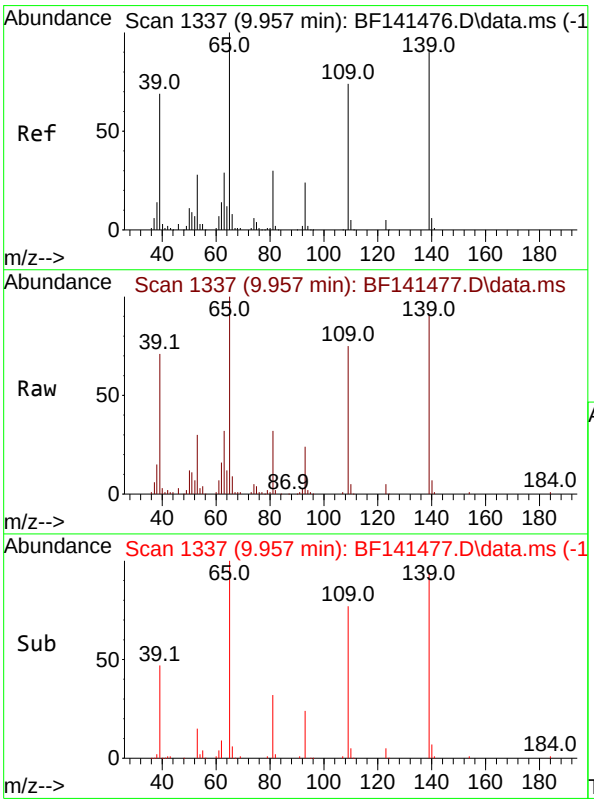

#55
Dibenzofuran
Concen: 48.523 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:168 Resp: 777905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.2 | 32.7 | 49.1 |
| 169 | 13.5 | 10.8 | 16.2 |

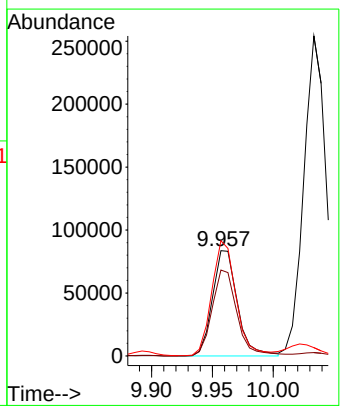


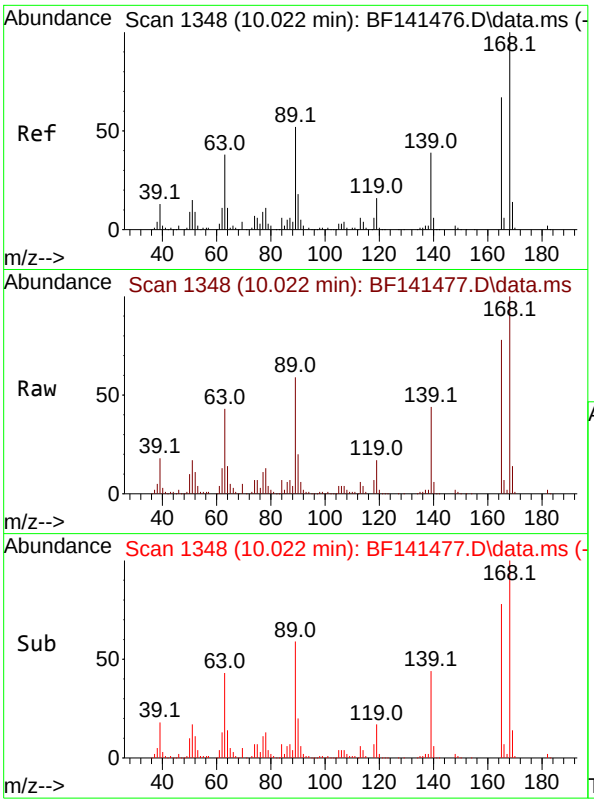




#56
4-Nitrophenol
Concen: 52.603 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:139 Resp: 118835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 81.7 | 62.0 | 102.0 |
| 65 | 109.4 | 91.2 | 131.2 |



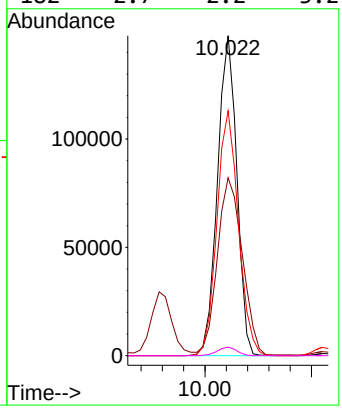


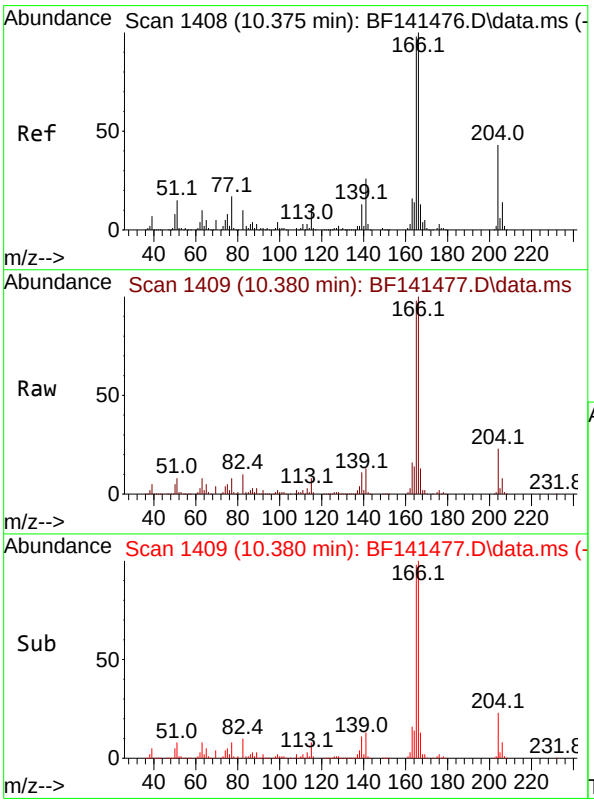

#57
2,4-Dinitrotoluene
Concen: 49.346 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:165 Resp: 185741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 55.6 | 46.4 | 69.6 |
| 89 | 76.5 | 61.8 | 92.6 |
| 182 | 2.7 | 2.2 | 3.2 |

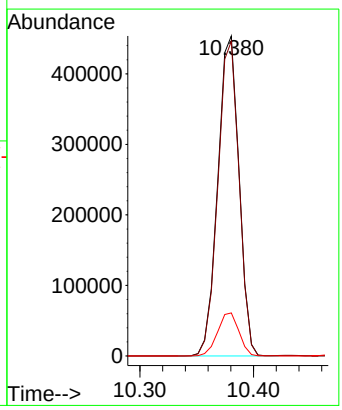


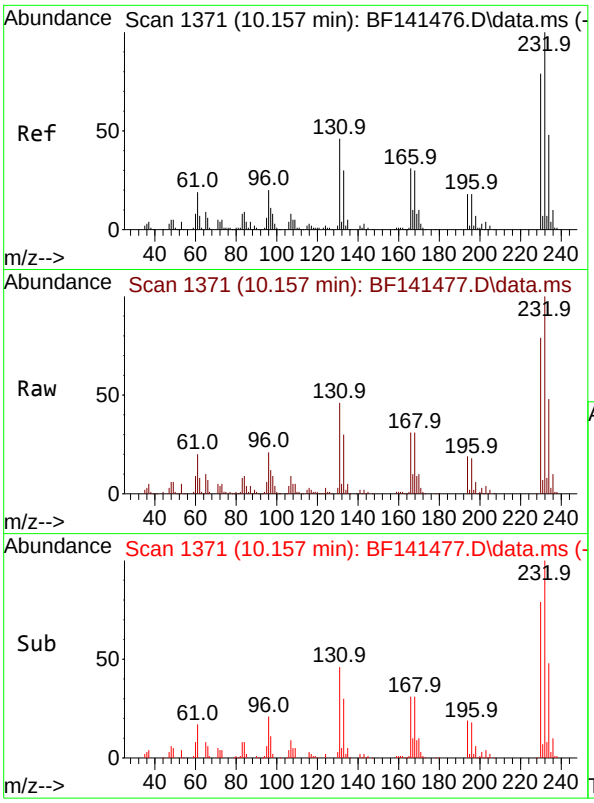




#58
Fluorene
Concen: 47.597 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:166 Resp: 590000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.4 | 78.2 | 117.2 |
| 167 | 13.4 | 10.7 | 16.1 |



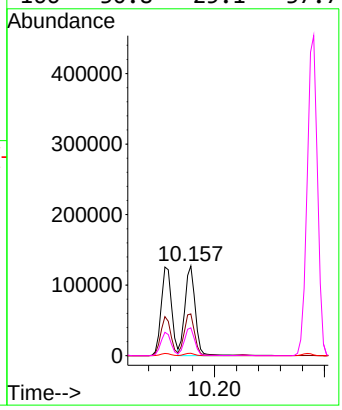


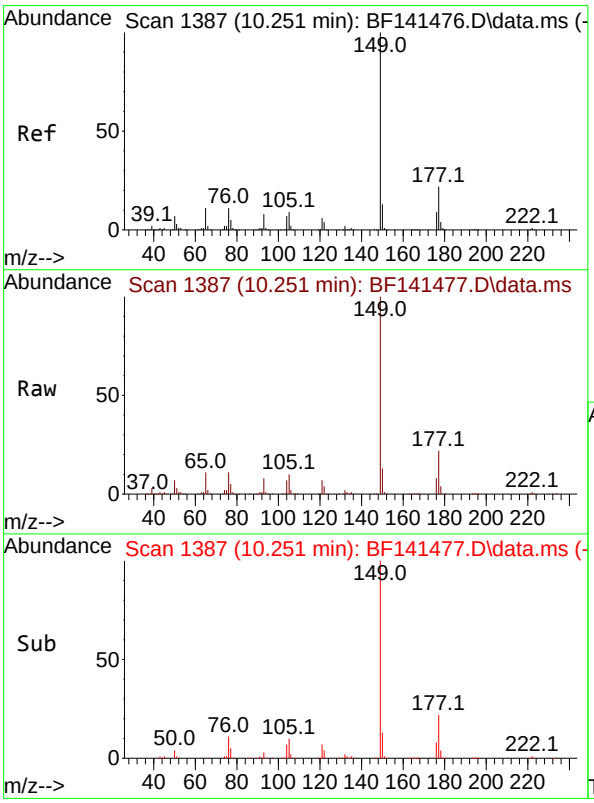

#59
2,3,4,6-Tetrachlorophenol
Concen: 49.807 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:232 Resp: 165559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.7 | 39.2 | 58.8 |
| 130 | 2.6 | 2.1 | 3.1 |
| 166 | 30.8 | 25.1 | 37.7 |

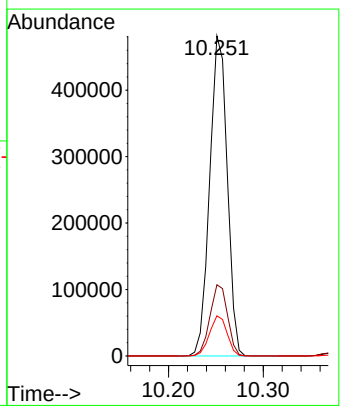


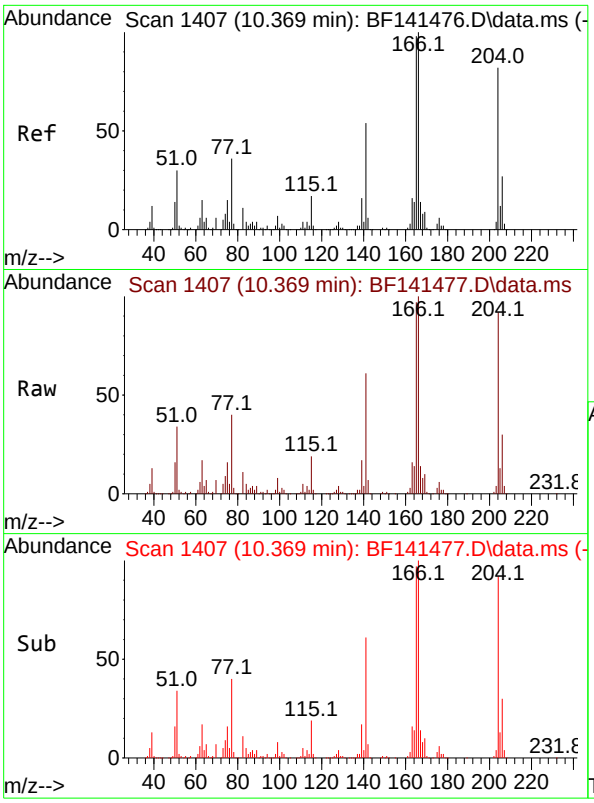




#60
Diethylphthalate
Concen: 48.647 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:149 Resp: 619064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.2 | 17.8 | 26.6 |
| 150 | 12.5 | 10.1 | 15.1 |



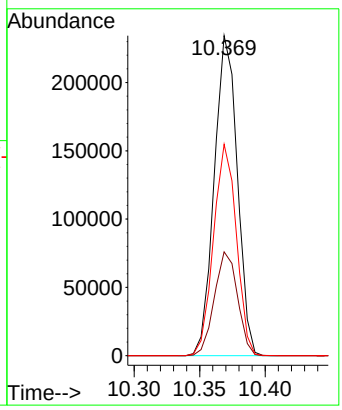


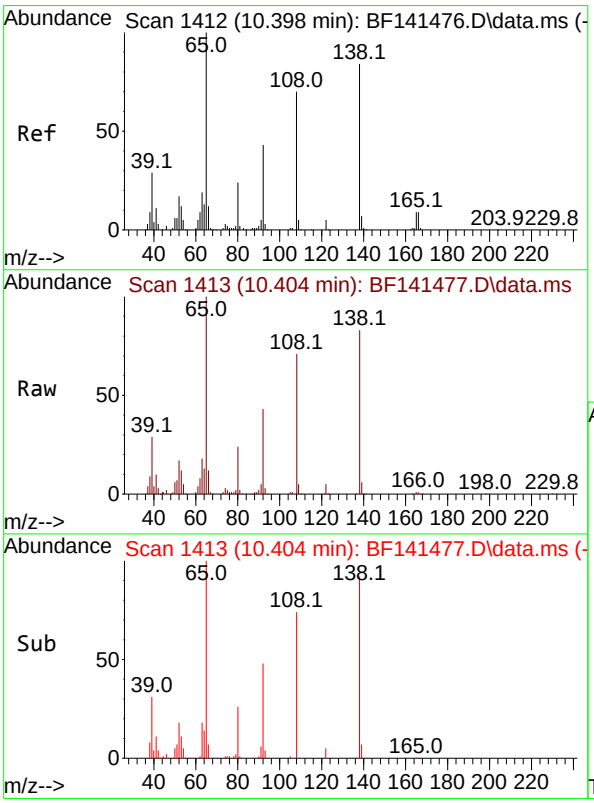

#61
4-Chlorophenyl-phenylether
Concen: 48.048 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:204 Resp: 286530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.4 | 26.6 | 40.0 |
| 141 | 66.0 | 51.9 | 77.9 |

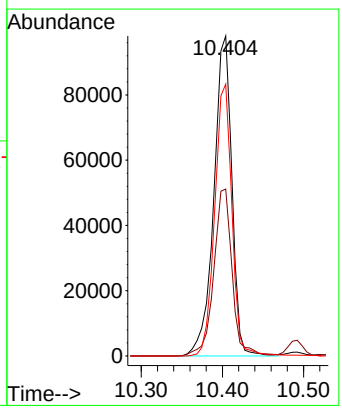


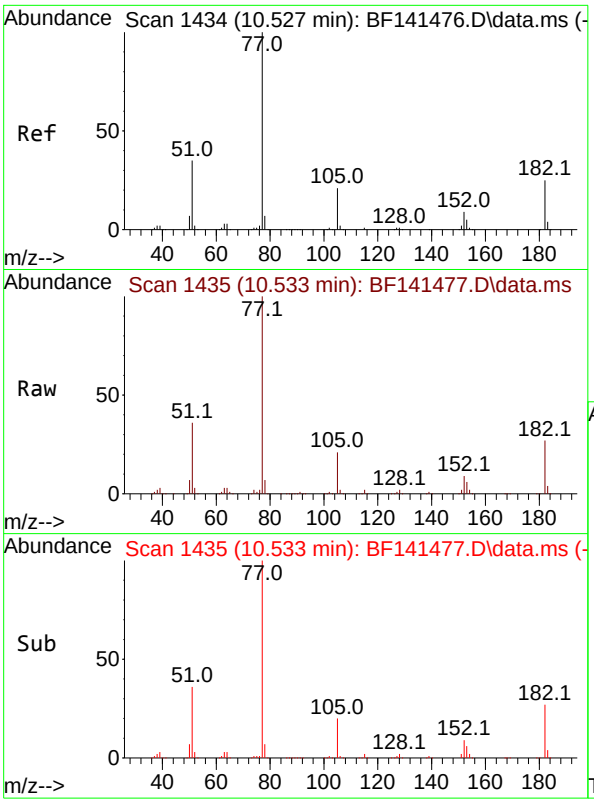




#62
4-Nitroaniline
Concen: 49.113 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:138 Resp: 151765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 52.2 | 31.3 | 71.3 |
| 108 | 84.9 | 63.7 | 103.7 |



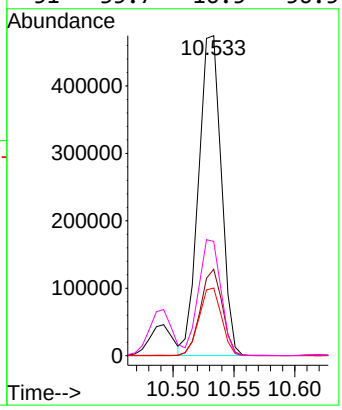


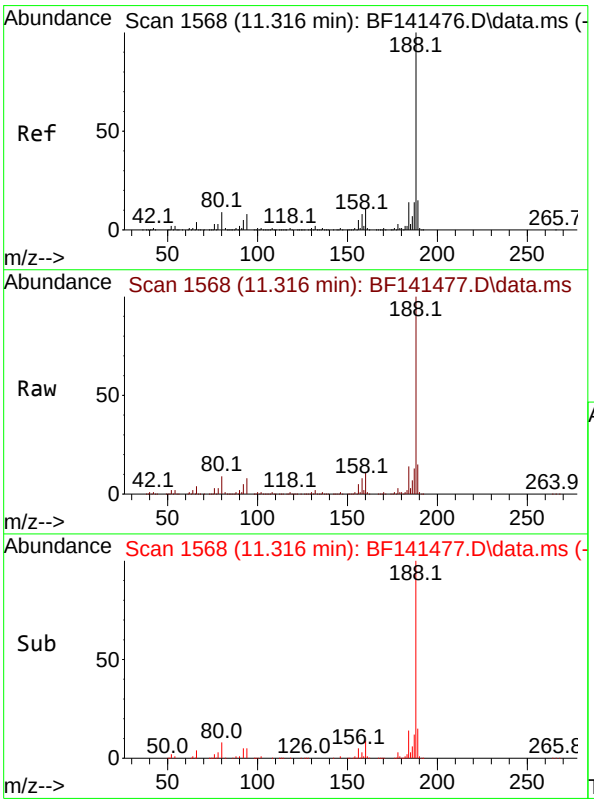

#63
Azobenzene
Concen: 48.742 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 77 Resp: 616638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.0 | 4.7 | 44.7 |
| 105 | 21.1 | 0.4 | 40.4 |
| 51 | 35.7 | 16.5 | 56.5 |

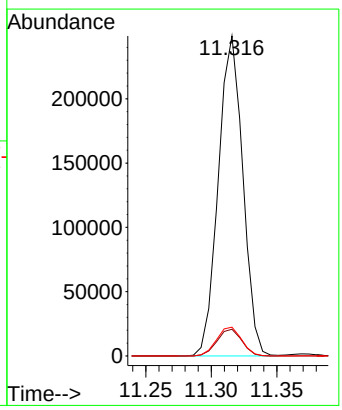


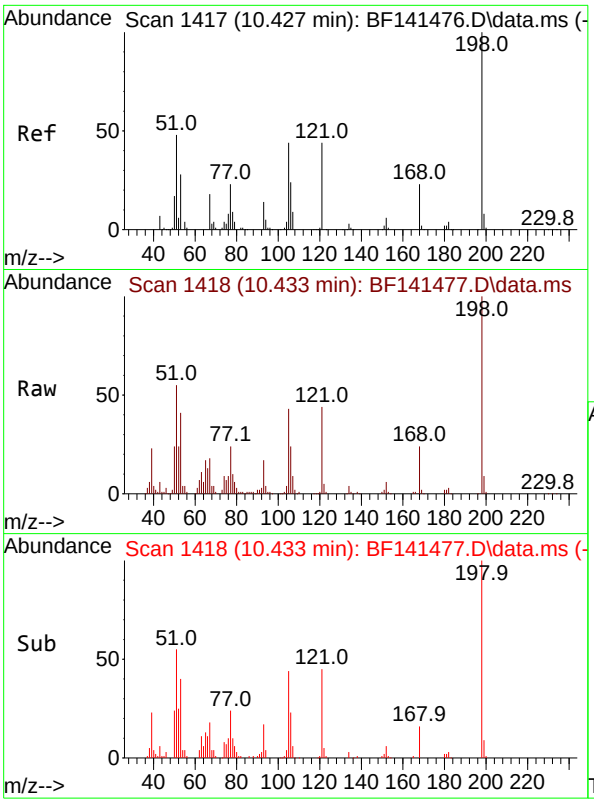




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:188 Resp: 323702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.4 | 6.6 | 10.0 |
| 80 | 9.0 | 7.3 | 10.9 |



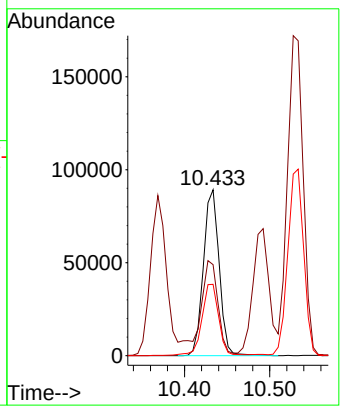


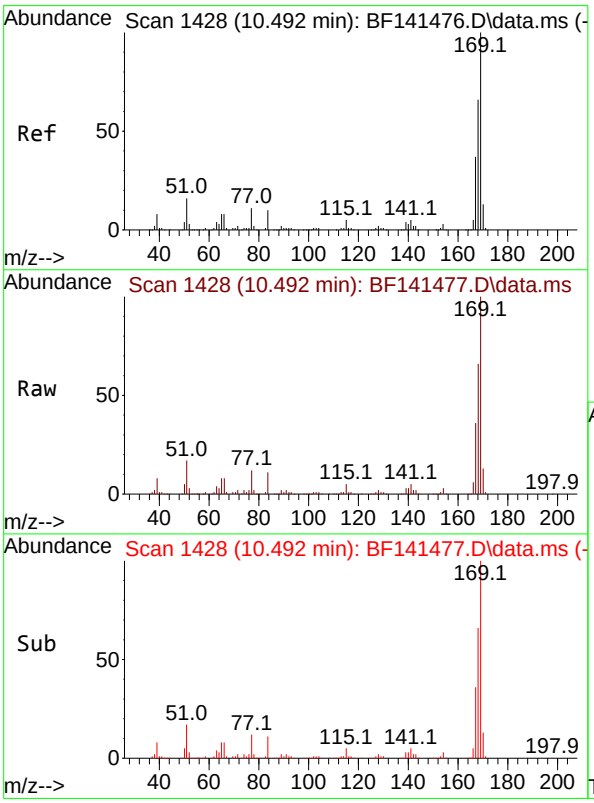

#65
4,6-Dinitro-2-methylphenol
Concen: 51.021 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:198 Resp: 114725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 54.9 | 37.4 | 77.4 |
| 105 | 43.0 | 25.2 | 65.2 |

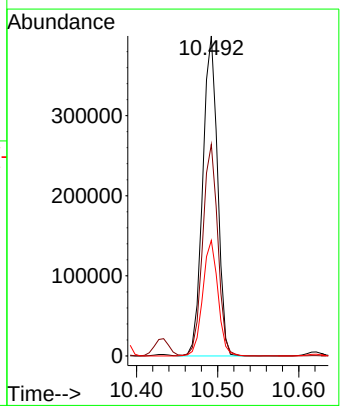


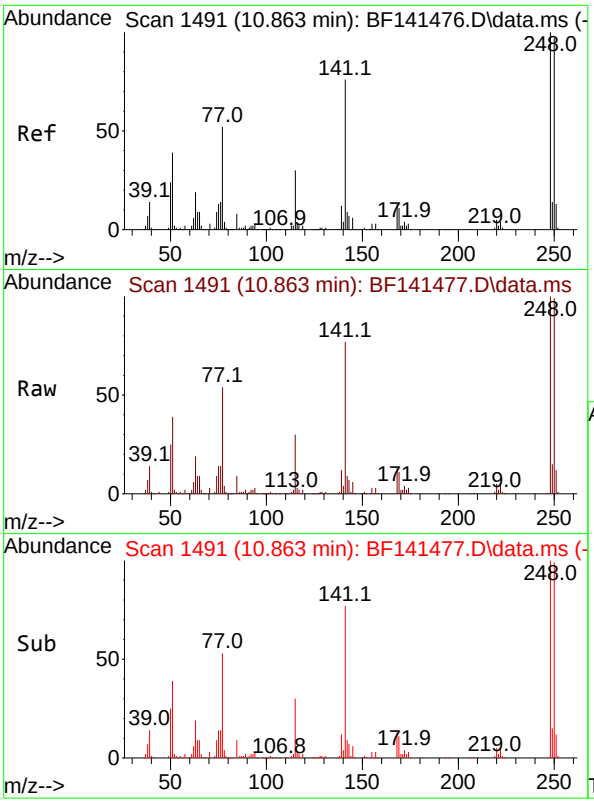




#66
n-Nitrosodiphenylamine
Concen: 48.810 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:169 Resp: 505770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.1 | 53.3 | 79.9 |
| 167 | 36.1 | 29.4 | 44.2 |



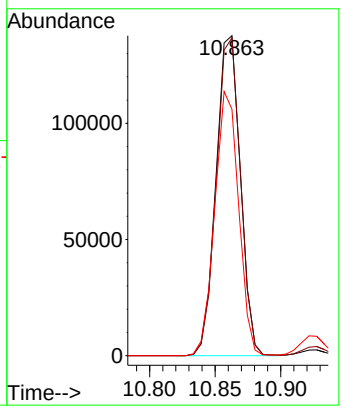


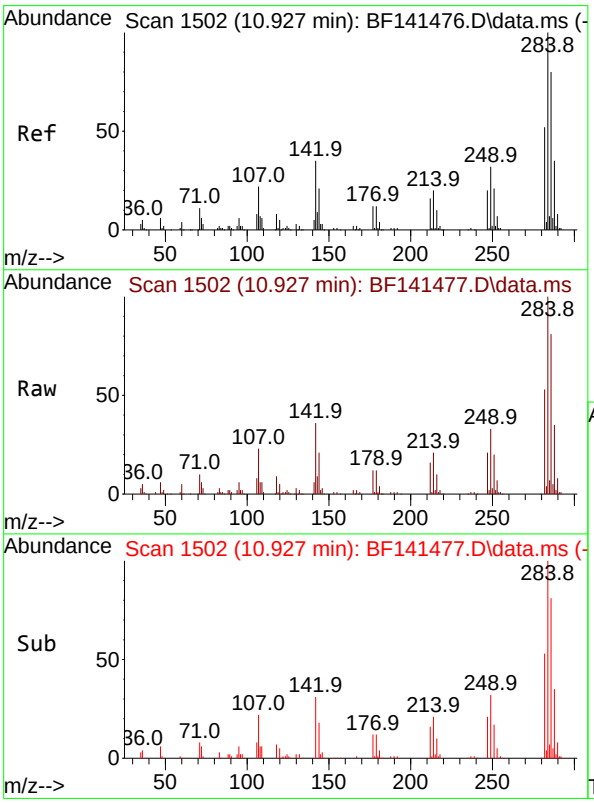

#67
4-Bromophenyl-phenylether
Concen: 49.135 ng
RT: 10.863 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:248 Resp: 177761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.3 | 77.8 | 116.6 |
| 141 | 77.0 | 60.6 | 90.8 |

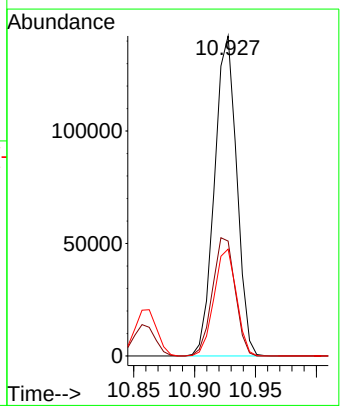


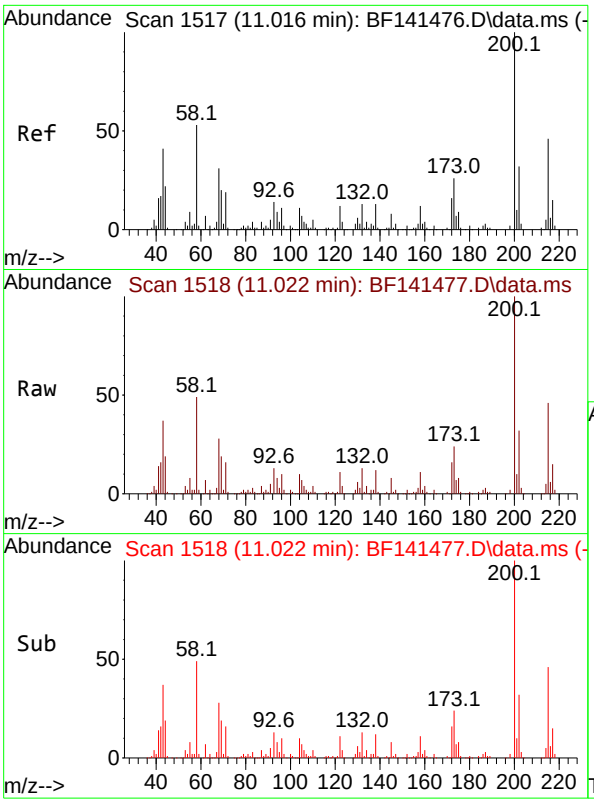




#68
Hexachlorobenzene
Concen: 48.567 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:284 Resp: 180930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 35.9 | 28.0 | 42.0 |
| 249 | 33.4 | 25.8 | 38.8 |



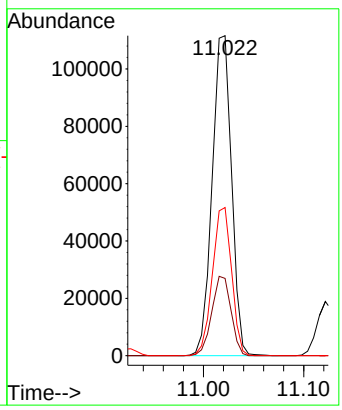


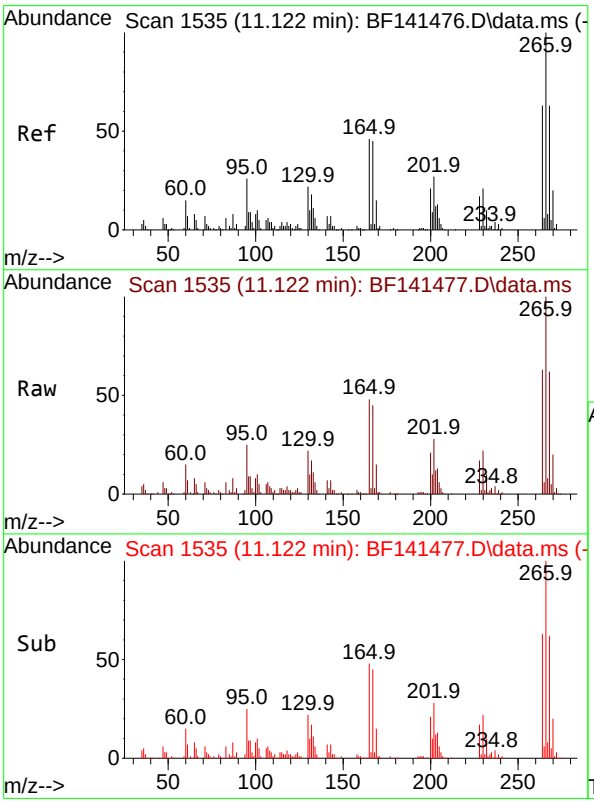

#69
Atrazine
Concen: 48.175 ng
RT: 11.022 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:200 Resp: 149758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 24.2 | 5.9 | 45.9 |
| 215 | 46.3 | 25.9 | 65.9 |

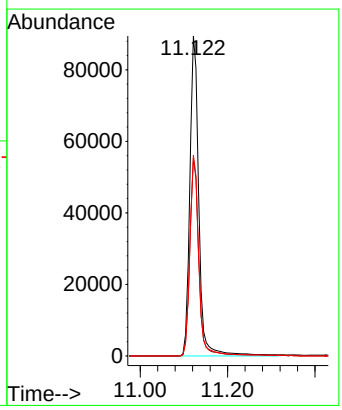


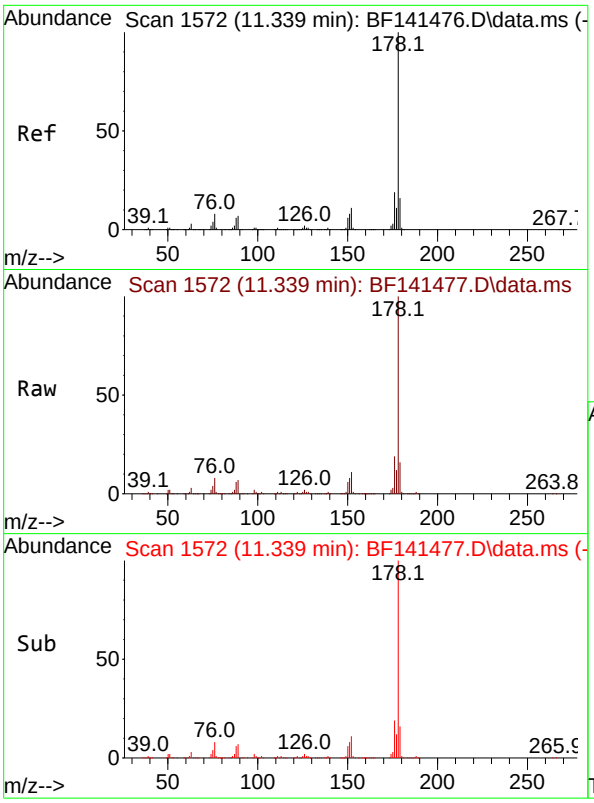




#70
Pentachlorophenol
Concen: 53.769 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:266 Resp: 128081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 61.8 | 50.1 | 75.1 |
| 264 | 62.8 | 50.1 | 75.1 |



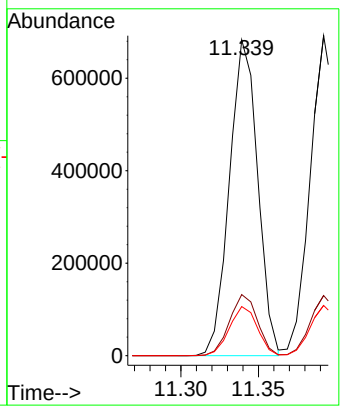


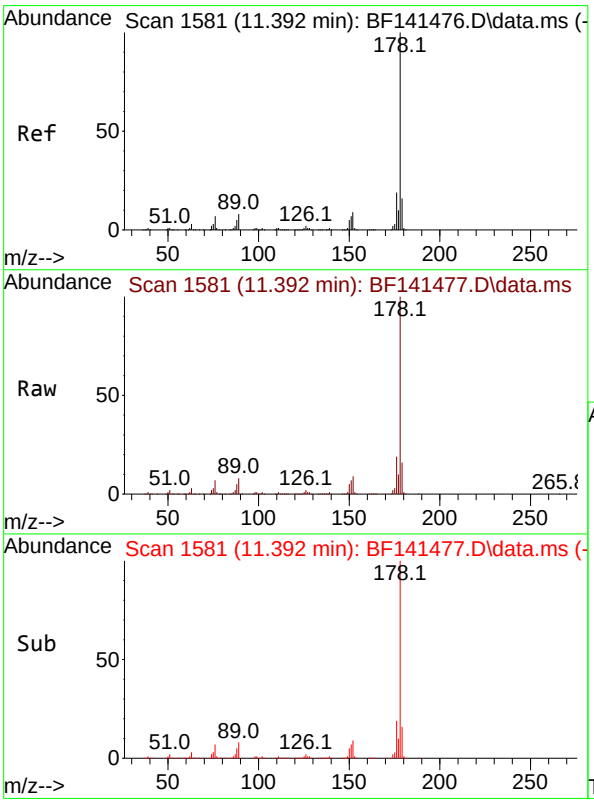

#71
Phenanthrene
Concen: 48.631 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:178 Resp: 866517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.4 | 23.0 |
| 179 | 15.6 | 12.4 | 18.6 |

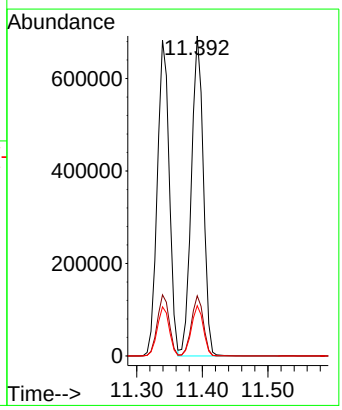


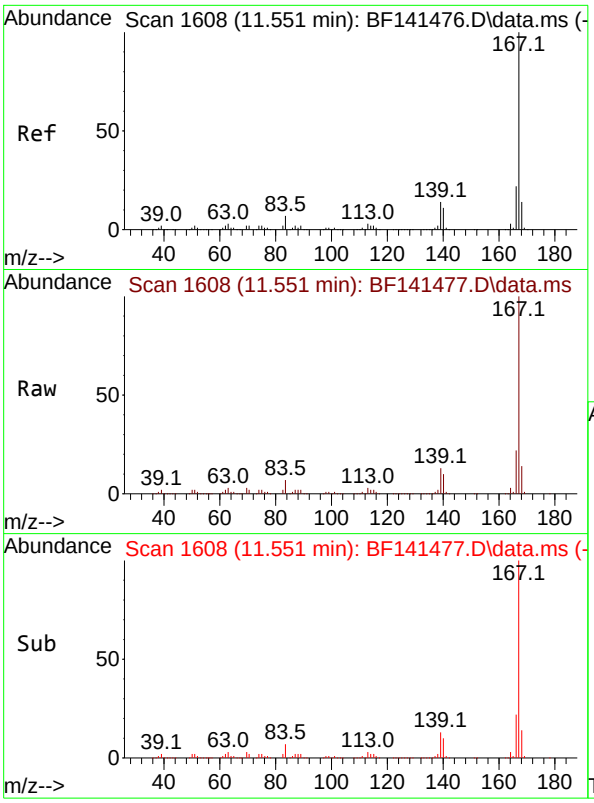




#72
Anthracene
Concen: 48.984 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:178 Resp: 877393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 14.8 | 22.2 |
| 179 | 15.7 | 12.4 | 18.6 |



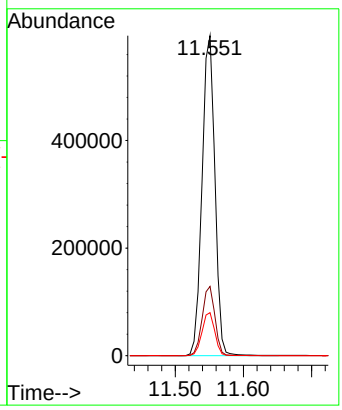


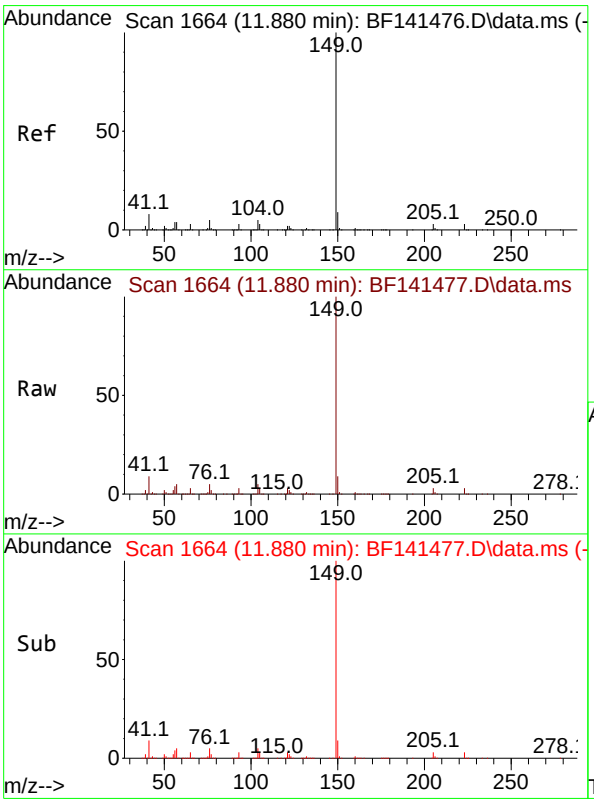

#73
Carbazole
Concen: 48.504 ng
RT: 11.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:167 Resp: 781733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.4 | 26.2 |
| 139 | 13.5 | 10.9 | 16.3 |

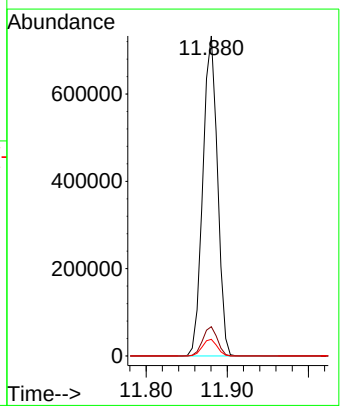


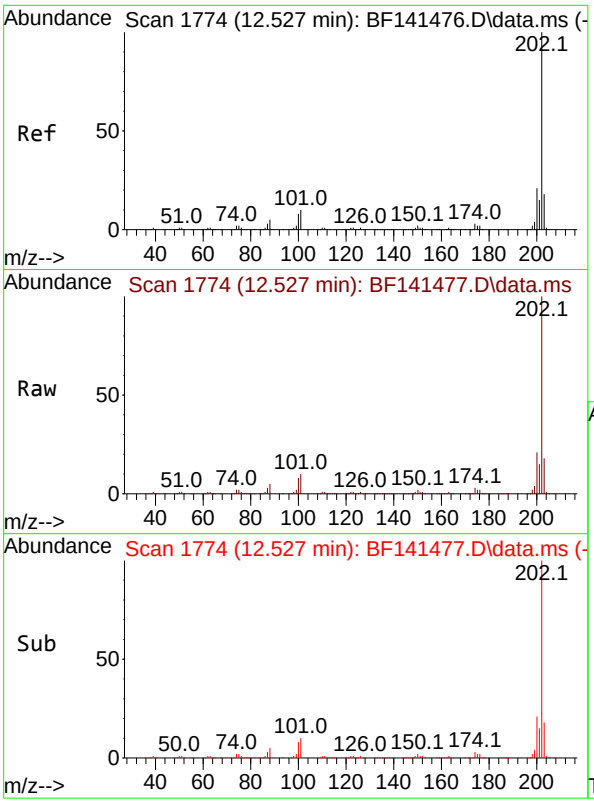




#74
Di-n-butylphthalate
Concen: 49.210 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:149 Resp: 915782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.4 | 11.0 |
| 104 | 5.2 | 4.2 | 6.2 |



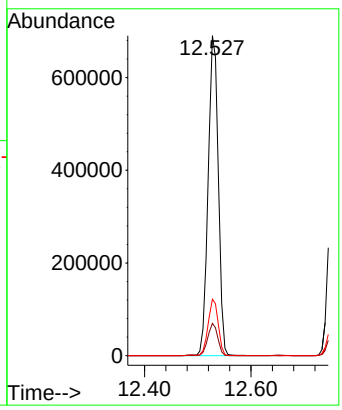


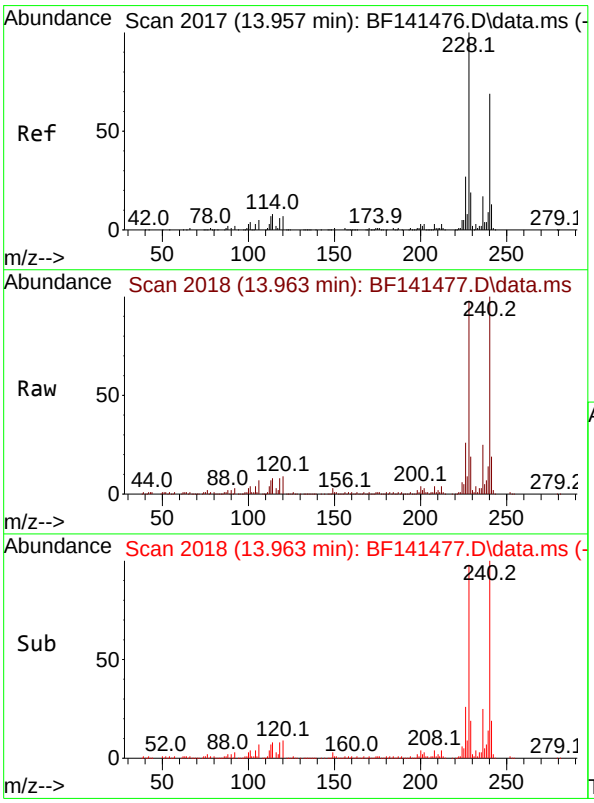

#75
Fluoranthene
Concen: 48.367 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:202 Resp: 913699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.1 | 0.0 | 30.2 |
| 203 | 17.6 | 0.0 | 37.6 |

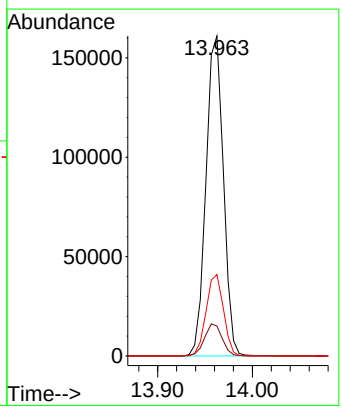


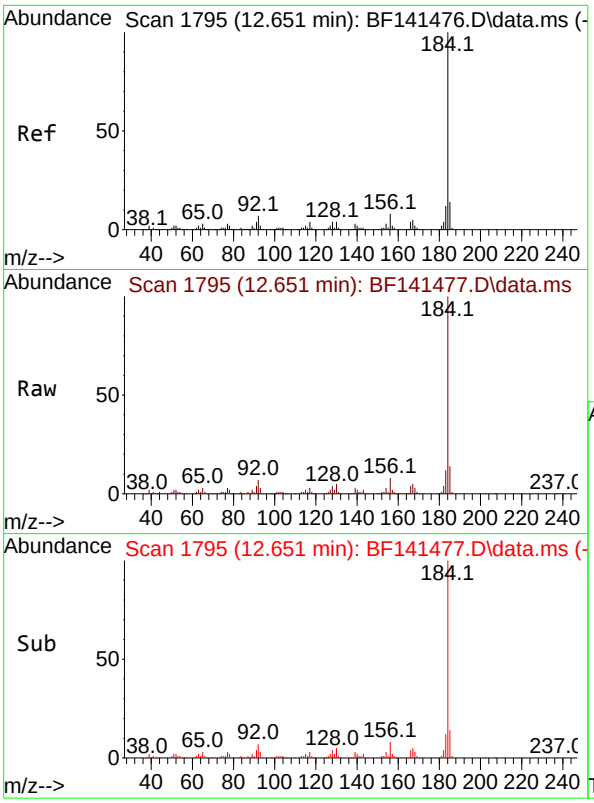




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:240 Resp: 205879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.4 | 8.0 | 12.0 |
| 236 | 25.4 | 19.8 | 29.8 |



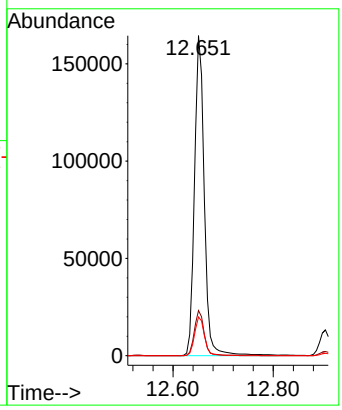


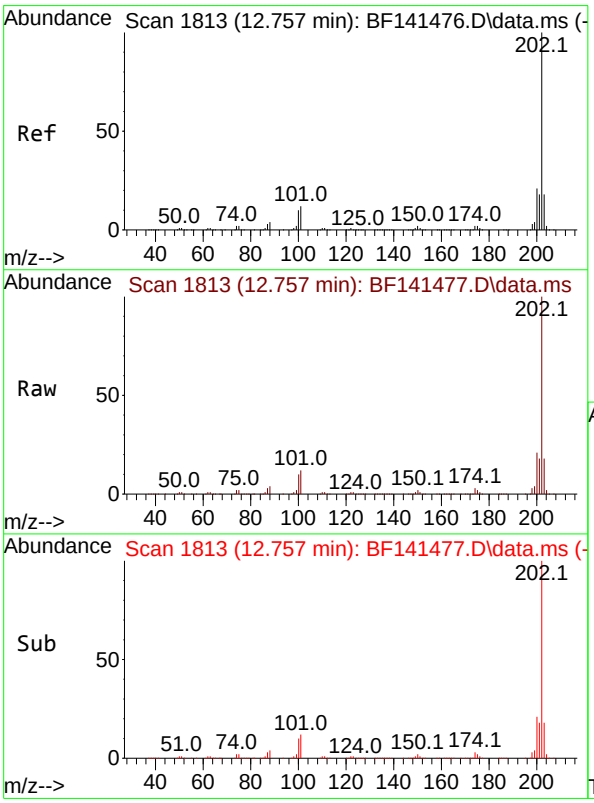

#77
Benzidine
Concen: 49.026 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:184 Resp: 222606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.1 | 11.3 | 16.9 |
| 183 | 12.1 | 9.3 | 13.9 |

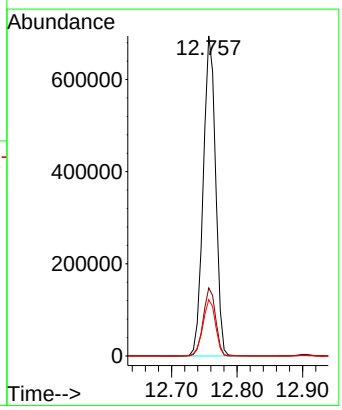


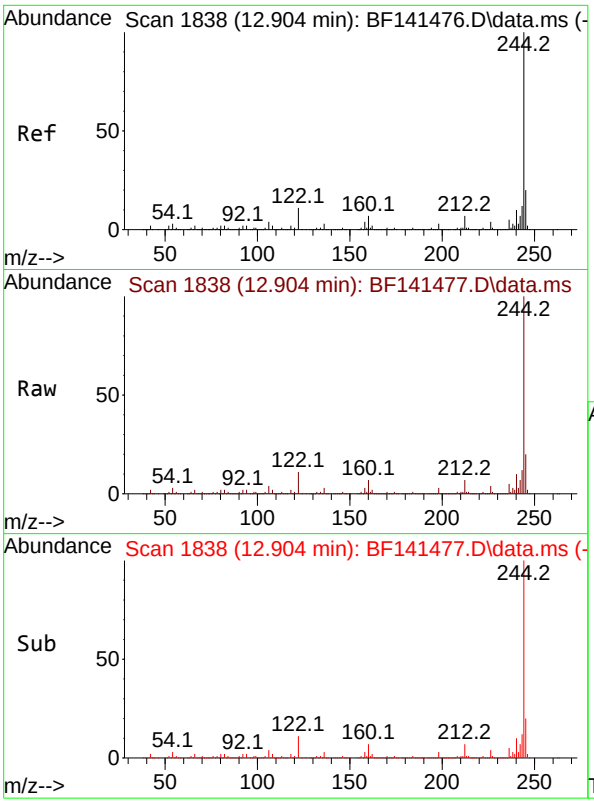




#78
Pyrene
Concen: 52.106 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:202 Resp: 913198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 17.0 | 25.4 |
| 203 | 17.6 | 14.3 | 21.5 |



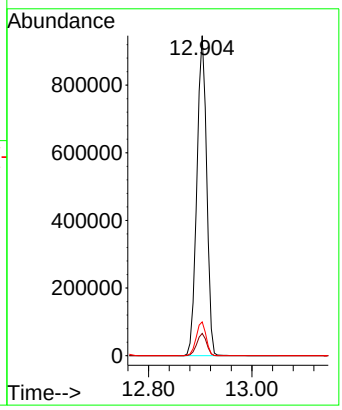


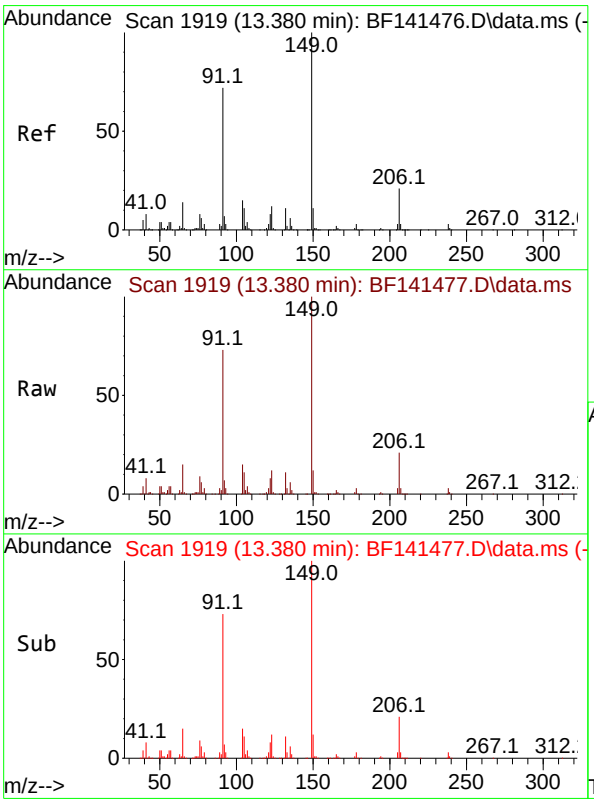

#79
Terphenyl-d14
Concen: 102.010 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:244 Resp: 1244053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.6 | 8.4 |
| 122 | 10.5 | 8.4 | 12.6 |

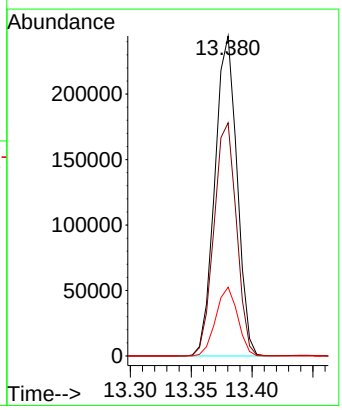


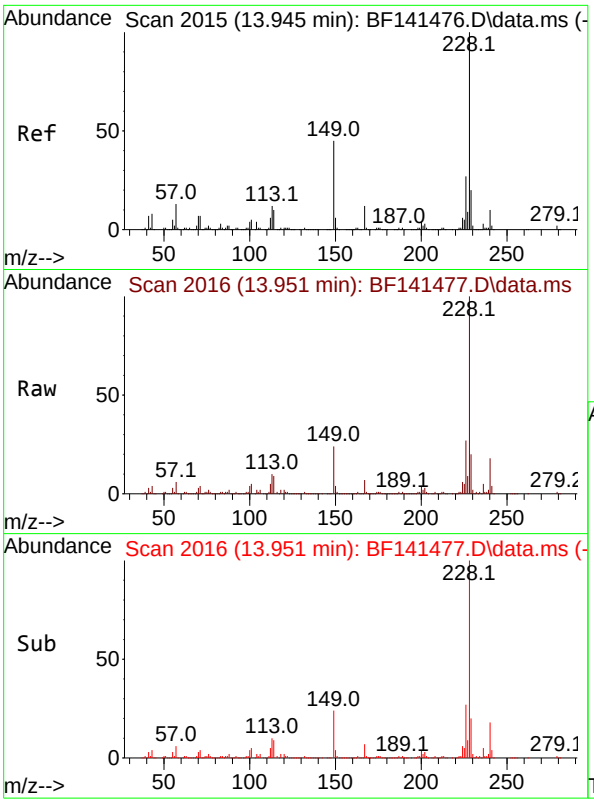




#80
Butylbenzylphthalate
Concen: 51.168 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:149 Resp: 310612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.8 | 57.8 | 86.8 |
| 206 | 21.5 | 16.7 | 25.1 |



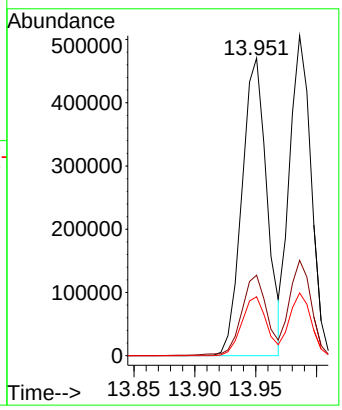


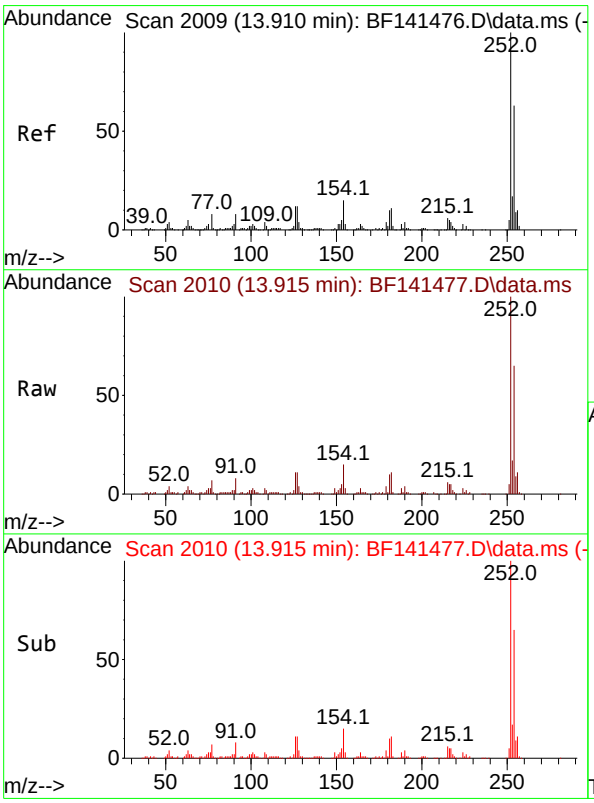

#81
Benzo(a)anthracene
Concen: 49.234 ng
RT: 13.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:228 Resp: 673785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.1 | 21.8 | 32.8 |
| 229 | 19.8 | 15.8 | 23.6 |

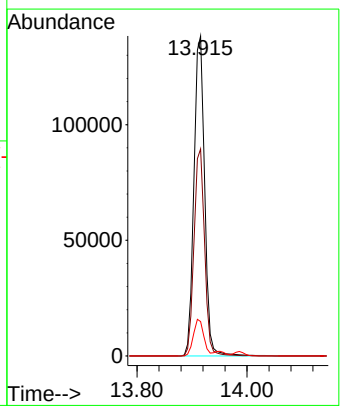


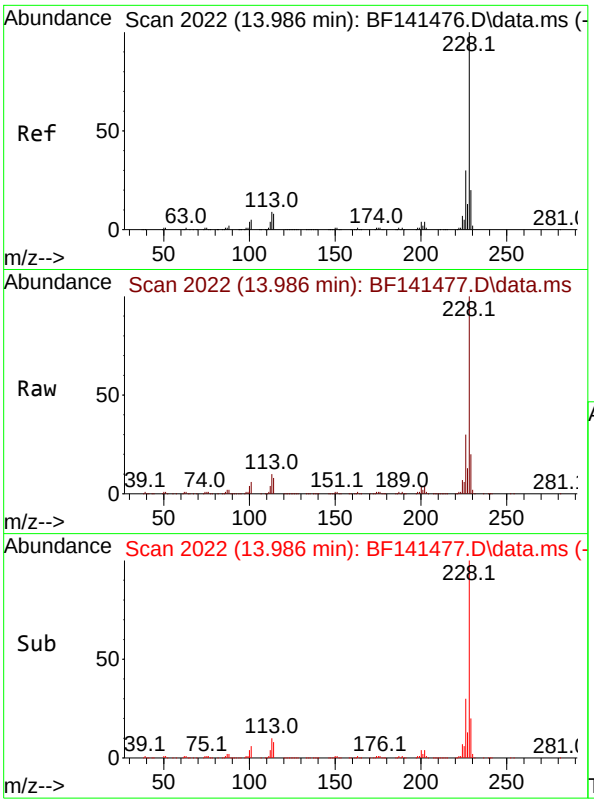




#82
3,3'-Dichlorobenzidine
Concen: 47.650 ng
RT: 13.915 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:252 Resp: 186802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.7 | 50.6 | 76.0 |
| 126 | 10.8 | 9.3 | 13.9 |



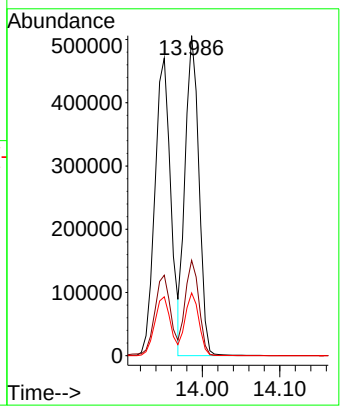


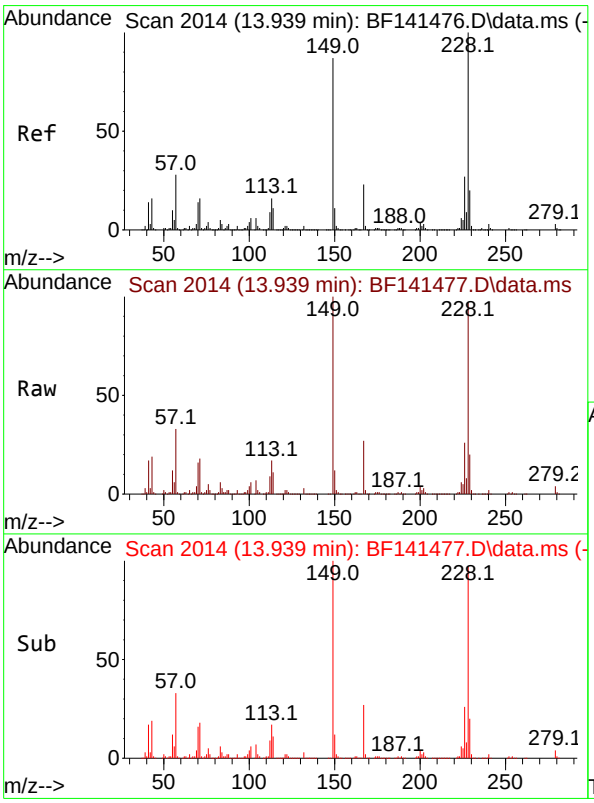

#83
Chrysene
Concen: 49.505 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:228 Resp: 625572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 24.0 | 36.0 |
| 229 | 19.6 | 15.7 | 23.5 |

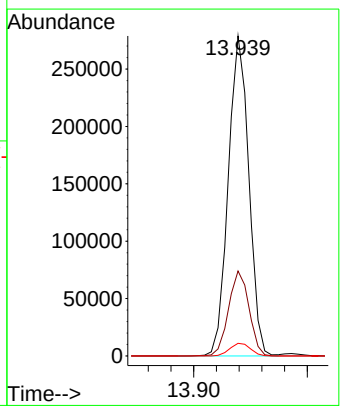


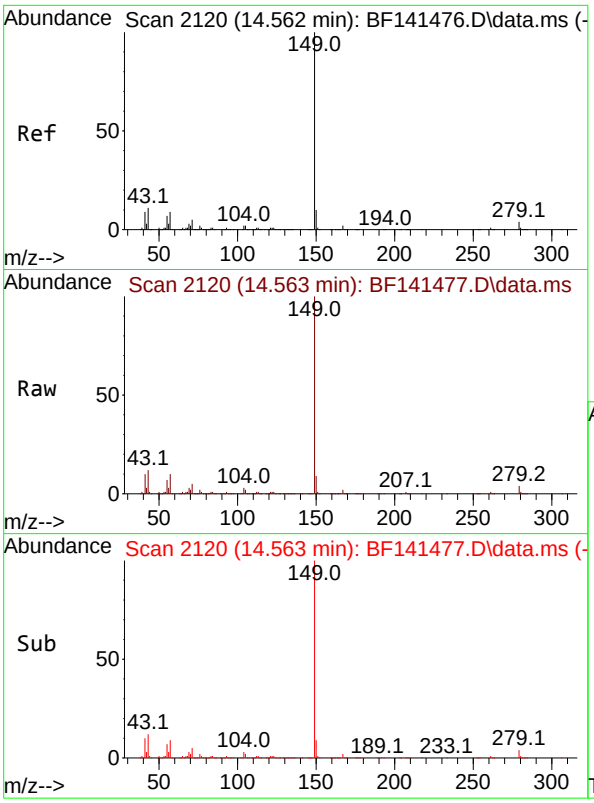




#84
Bis(2-ethylhexyl)phthalate
Concen: 51.138 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:149 Resp: 350121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.5 | 21.4 | 32.0 |
| 279 | 4.0 | 3.1 | 4.7 |



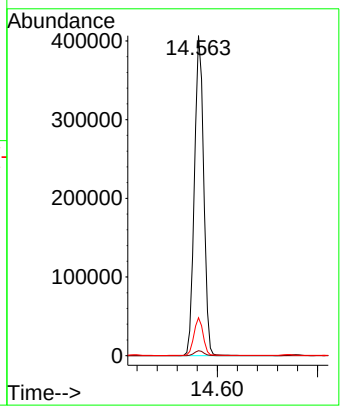


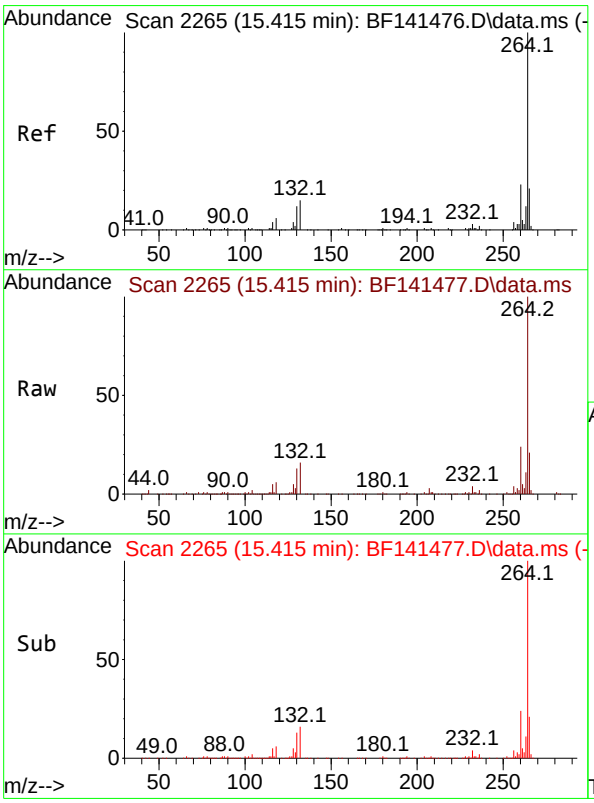

#85
Di-n-octyl phthalate
Concen: 53.213 ng
RT: 14.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:149 Resp: 519741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 11.7 | 9.5 | 14.3 |

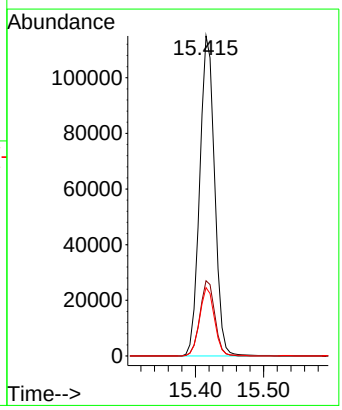


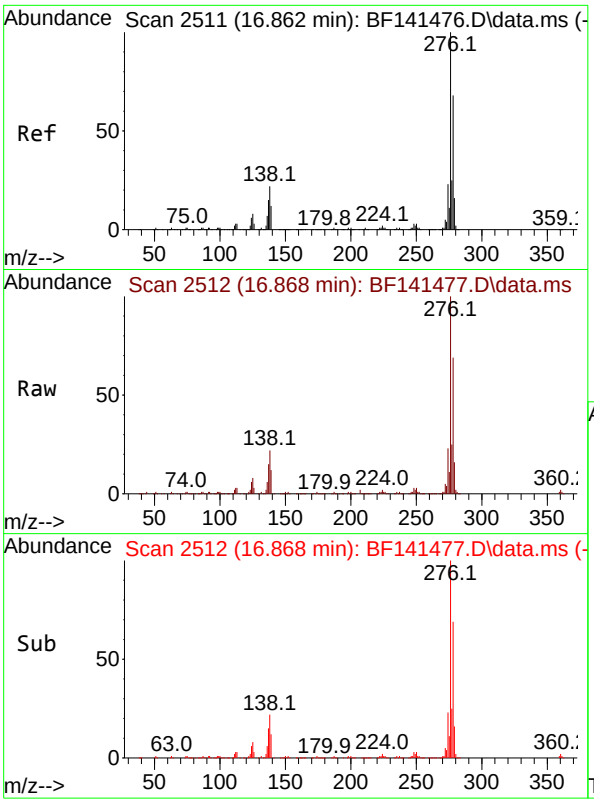




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:264 Resp: 174906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.6 | 28.0 |
| 265 | 21.3 | 17.0 | 25.4 |



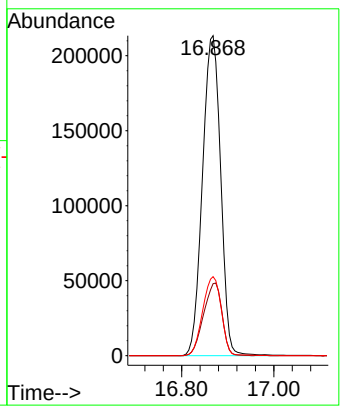


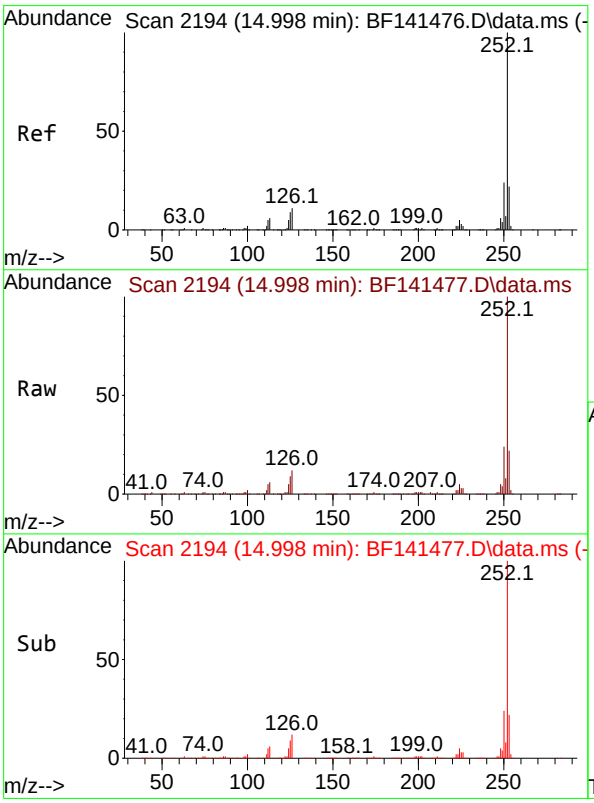

#87
Indeno(1,2,3-cd)pyrene
Concen: 54.277 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:276 Resp: 586584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.0 | 18.0 | 27.0 |
| 277 | 25.2 | 20.4 | 30.6 |

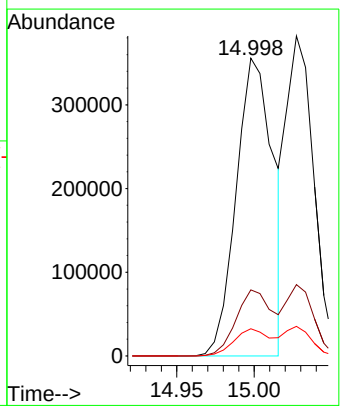


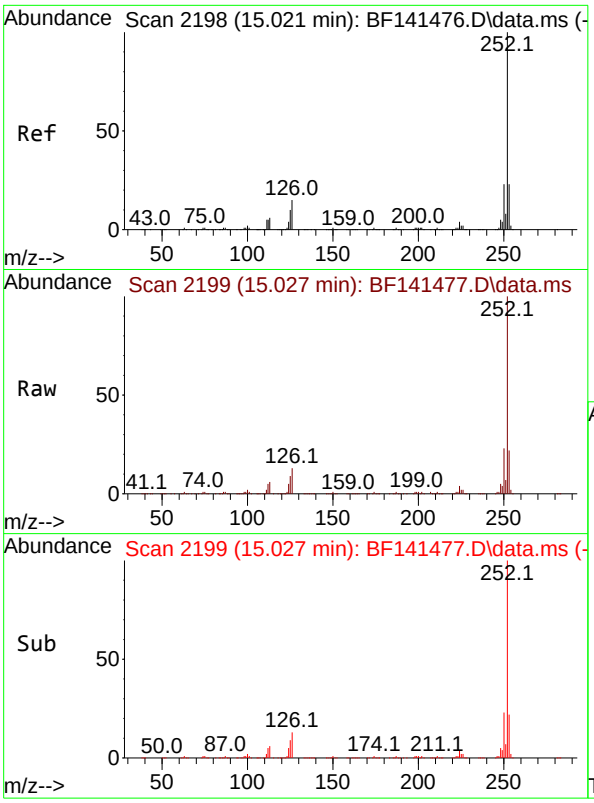




#88
Benzo(b)fluoranthene
Concen: 50.251 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:252 Resp: 590149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.5 | 26.3 |
| 125 | 9.2 | 7.0 | 10.6 |



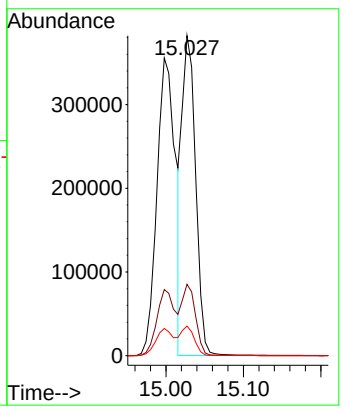


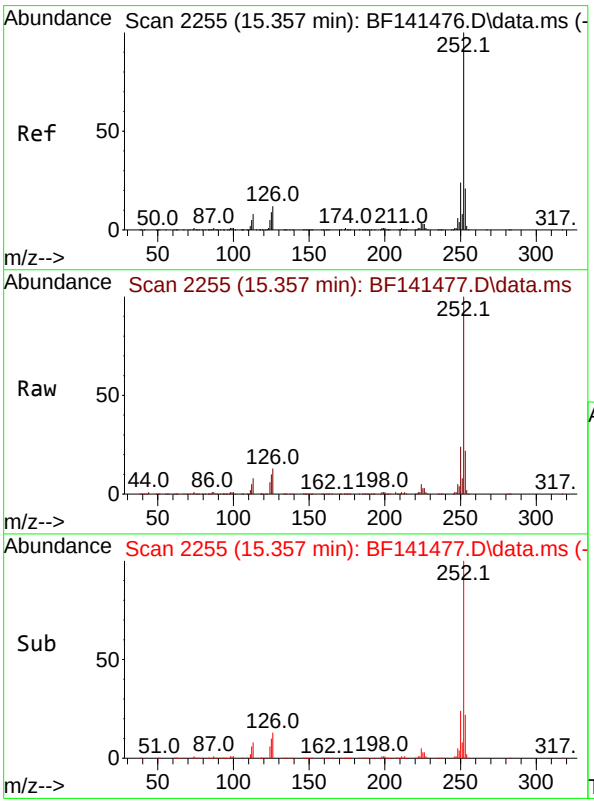

#89
Benzo(k)fluoranthene
Concen: 46.814 ng
RT: 15.027 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:252 Resp: 469466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 18.0 | 27.0 |
| 125 | 9.2 | 7.4 | 11.0 |

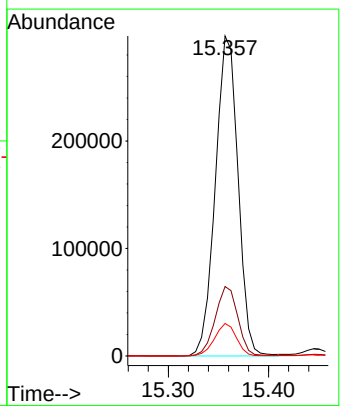


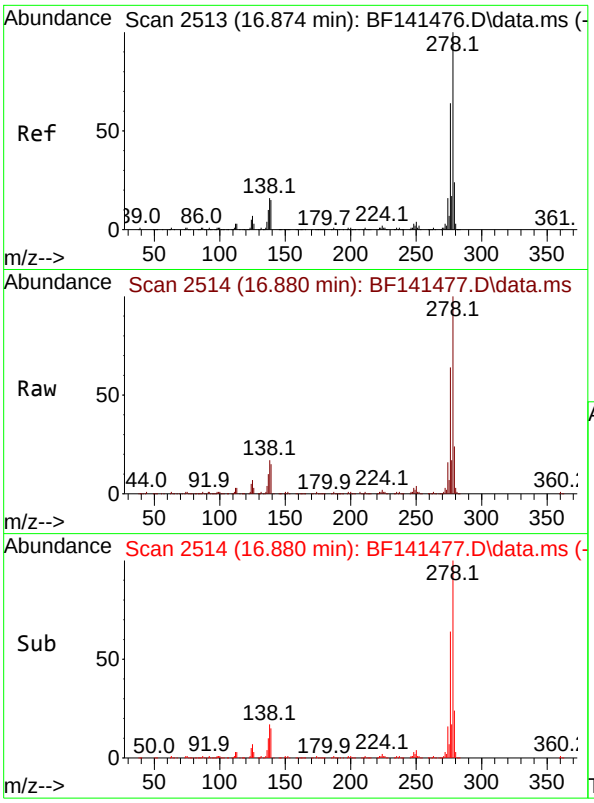




#90
Benzo(a)pyrene
Concen: 49.173 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:252 Resp: 467288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.1 | 25.7 |
| 125 | 10.2 | 7.4 | 11.2 |



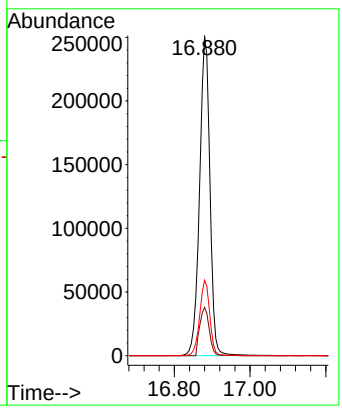


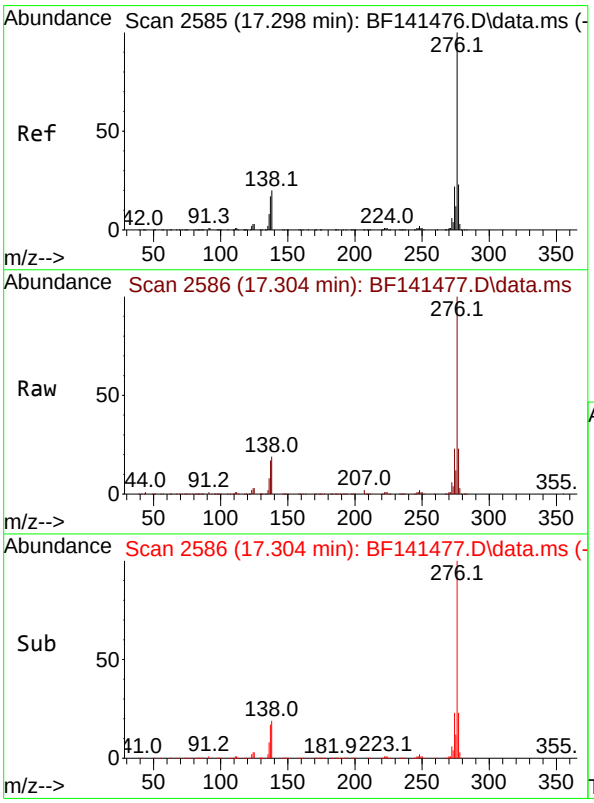

#91
Dibenzo(a,h)anthracene
Concen: 54.503 ng
RT: 16.880 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:278 Resp: 477285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.1 | 11.8 | 17.6 |
| 279 | 23.6 | 19.1 | 28.7 |

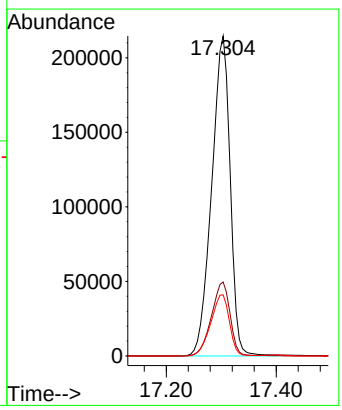



#92
Benzo(g,h,i)perylene
Concen: 54.592 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:276 Resp: 500274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.1 | 18.6 | 28.0 |
| 138 | 19.1 | 15.9 | 23.9 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141478.D
Acq On : 06 Feb 2025 13:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Quant Time: Feb 06 16:00:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.792 | 152 | 88704 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.075 | 136 | 344609 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.827 | 164 | 186729 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.316 | 188 | 321893 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.962 | 240 | 197108 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.415 | 264 | 171026 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.410 | 112 | 672709 | 118.894 | ng | 0.00 |
| 7) Phenol-d6 | 6.434 | 99 | 843410 | 117.937 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.357 | 82 | 788550 | 119.351 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.622 | 330 | 225049 | 119.976 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.151 | 172 | 1410277 | 116.358 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.904 | 244 | 1459213 | 124.977 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.481 | 88 | 138751 | 60.929 | ng | 99 |
| 3) Pyridine | 3.210 | 79 | 335519 | 61.916 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.175 | 42 | 225031 | 62.715 | ng | 98 |
| 6) Aniline | 6.457 | 93 | 397494 | 59.254 | ng | 99 |
| 8) 2-Chlorophenol | 6.581 | 128 | 358027 | 58.561 | ng | 97 |
| 9) Benzaldehyde | 6.339 | 77 | 187887 | 49.441 | ng | 100 |
| 10) Phenol | 6.451 | 94 | 437528 | 58.782 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 6.534 | 93 | 335957 | 60.093 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.734 | 146 | 380433 | 58.941 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.810 | 146 | 382812 | 58.050 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 6.963 | 146 | 357837 | 58.465 | ng | 99 |
| 15) Benzyl Alcohol | 6.939 | 79 | 324244 | 59.125 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.069 | 45 | 553943 | 57.883 | ng | 91 |
| 17) 2-Methylphenol | 7.057 | 107 | 283563 | 59.272 | ng | 97 |
| 18) Hexachloroethane | 7.304 | 117 | 144816 | 59.337 | ng | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.210 | 70 | 250412 | 58.540 | ng | 99 |
| 20) 3+4-Methylphenols | 7.210 | 107 | 350980 | 57.722 | ng | 92 |
| 22) Acetophenone | 7.204 | 105 | 504294 | 58.828 | ng | 99 |
| 24) Nitrobenzene | 7.381 | 77 | 387174 | 60.096 | ng | 100 |
| 25) Isophorone | 7.616 | 82 | 638004 | 60.562 | ng | 99 |
| 26) 2-Nitrophenol | 7.692 | 139 | 199140 | 62.128 | ng | 97 |
| 27) 2,4-Dimethylphenol | 7.733 | 122 | 227803 | 60.836 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.828 | 93 | 404195 | 59.877 | ng | 100 |
| 29) 2,4-Dichlorophenol | 7.939 | 162 | 301959 | 59.683 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.016 | 180 | 328150 | 59.561 | ng | 99 |
| 31) Naphthalene | 8.098 | 128 | 1056367 | 58.889 | ng | 100 |
| 32) Benzoic acid | 7.875 | 122 | 250995 | 64.532 | ng | 99 |
| 33) 4-Chloroaniline | 8.151 | 127 | 376211 | 60.070 | ng | 99 |
| 34) Hexachlorobutadiene | 8.210 | 225 | 197955 | 59.849 | ng | 99 |
| 35) Caprolactam | 8.533 | 113 | 94415 | 61.291 | ng | 97 |
| 36) 4-Chloro-3-methylphenol | 8.639 | 107 | 335897 | 59.935 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.786 | 142 | 688021 | 58.941 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.886 | 142 | 661628 | 58.522 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.951 | 216 | 321763 | 59.560 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 8.939 | 237 | 120063 | 66.819 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 9.069 | 196 | 211702 | 60.632 | ng | 98 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141478.D
Acq On : 06 Feb 2025 13:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Quant Time: Feb 06 16:00:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

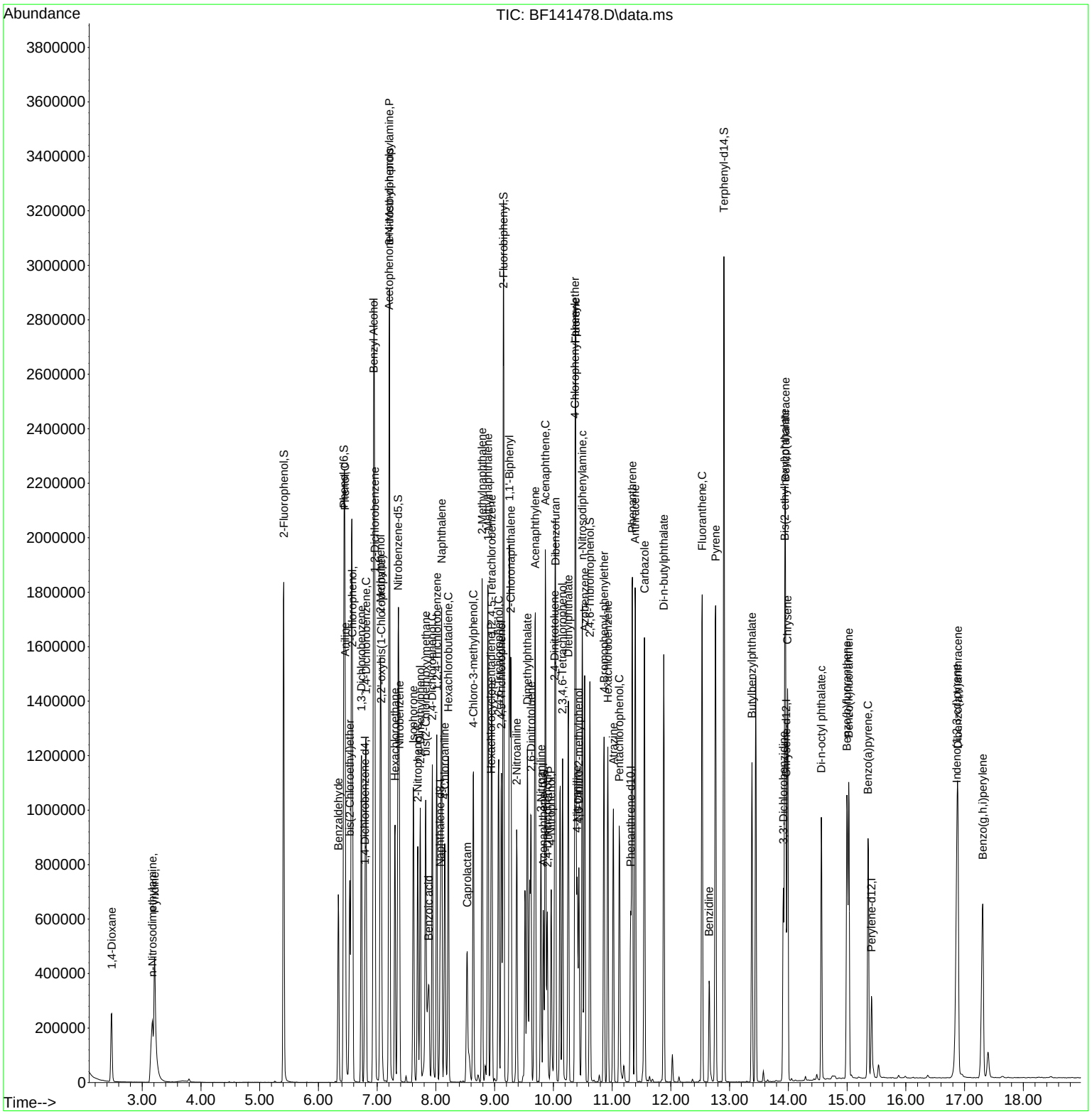
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.116 | 196 | 229006 | 60.519 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.251 | 154 | 861067 | 59.479 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.275 | 162 | 636511 | 59.459 | ng | 99 |
| 48) 2-Nitroaniline | 9.375 | 65 | 224709 | 62.547 | ng | 99 |
| 49) Acenaphthylene | 9.692 | 152 | 946382 | 59.436 | ng | 100 |
| 50) Dimethylphthalate | 9.557 | 163 | 751128 | 59.253 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.622 | 165 | 167387 | 60.403 | ng | 100 |
| 52) Acenaphthene | 9.863 | 154 | 631289 | 58.974 | ng | 99 |
| 53) 3-Nitroaniline | 9.792 | 138 | 179664 | 60.237 | ng | 100 |
| 54) 2,4-Dinitrophenol | 9.898 | 184 | 111060 | 67.432 | ng | 96 |
| 55) Dibenzofuran | 10.039 | 168 | 915117 | 58.242 | ng | 100 |
| 56) 4-Nitrophenol | 9.963 | 139 | 143994 | 65.035 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 10.022 | 165 | 222091 | 60.202 | ng | 99 |
| 58) Fluorene | 10.380 | 166 | 707371 | 58.225 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232 | 198636 | 60.972 | ng | 99 |
| 60) Diethylphthalate | 10.257 | 149 | 732804 | 58.755 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.369 | 204 | 342324 | 58.570 | ng | 98 |
| 62) 4-Nitroaniline | 10.404 | 138 | 182946 | 60.406 | ng | 96 |
| 63) Azobenzene | 10.533 | 77 | 739338 | 59.629 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.433 | 198 | 140610 | 62.884 | ng | 99 |
| 66) n-Nitrosodiphenylamine | 10.492 | 169 | 603914 | 58.609 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248 | 213385 | 59.314 | ng | 98 |
| 68) Hexachlorobenzene | 10.927 | 284 | 220611 | 59.552 | ng | 98 |
| 69) Atrazine | 11.021 | 200 | 175824 | 56.878 | ng | 99 |
| 70) Pentachlorophenol | 11.121 | 266 | 153971 | 65.001 | ng | 100 |
| 71) Phenanthrene | 11.345 | 178 | 1032075 | 58.248 | ng | 100 |
| 72) Anthracene | 11.392 | 178 | 1034181 | 58.062 | ng | 99 |
| 73) Carbazole | 11.551 | 167 | 927882 | 57.896 | ng | 100 |
| 74) Di-n-butylphthalate | 11.880 | 149 | 1087815 | 58.783 | ng | 99 |
| 75) Fluoranthene | 12.533 | 202 | 1053887 | 56.102 | ng | 100 |
| 77) Benzidine | 12.651 | 184 | 207602 | 47.757 | ng | 99 |
| 78) Pyrene | 12.763 | 202 | 1068624 | 63.687 | ng | 99 |
| 80) Butylbenzylphthalate | 13.380 | 149 | 368219 | 63.357 | ng | 99 |
| 81) Benzo(a)anthracene | 13.951 | 228 | 774318 | 59.097 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.915 | 252 | 208826 | 55.639 | ng | 98 |
| 83) Chrysene | 13.986 | 228 | 723815 | 59.829 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.939 | 149 | 411979 | 62.851 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.562 | 149 | 621505 | 66.464 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.868 | 276 | 723493 | 68.464 | ng | 100 |
| 88) Benzo(b)fluoranthene | 14.998 | 252 | 695617 | 60.575 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.027 | 252 | 563342 | 57.449 | ng | 99 |
| 90) Benzo(a)pyrene | 15.357 | 252 | 561457 | 60.423 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 16.886 | 278 | 584115 | 68.216 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.309 | 276 | 617241 | 68.884 | ng | 99 |

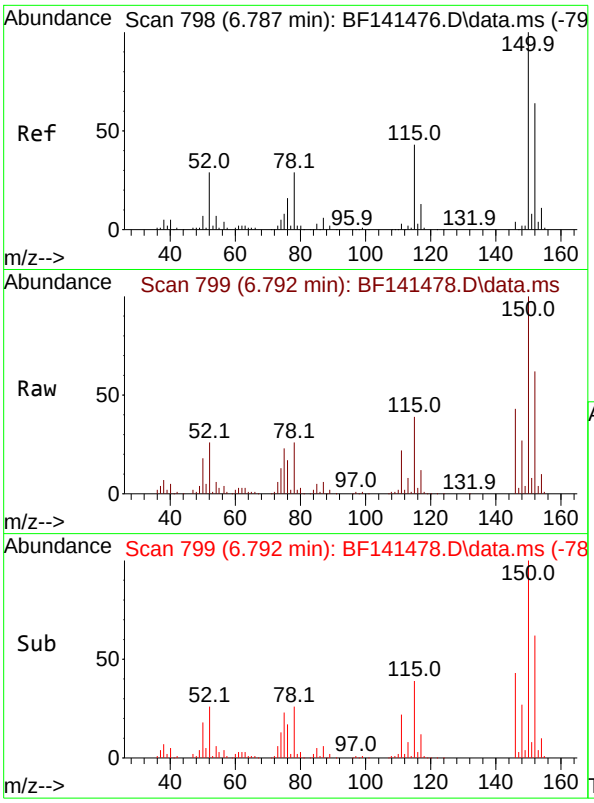
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141478.D
Acq On : 06 Feb 2025 13:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Quant Time: Feb 06 16:00:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



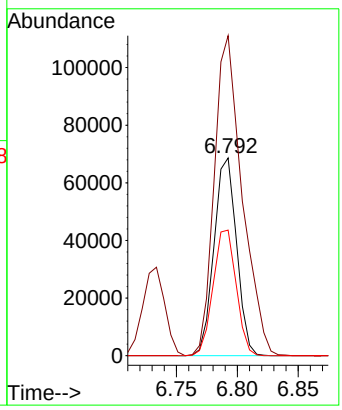


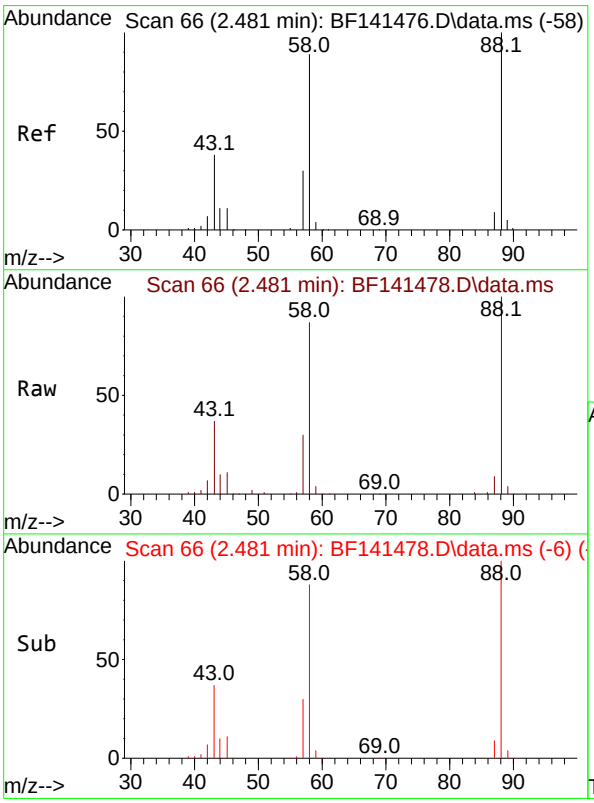

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:152 Resp: 88704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 161.8 | 125.0 | 187.4 |
| 115 | 63.6 | 53.6 | 80.4 |

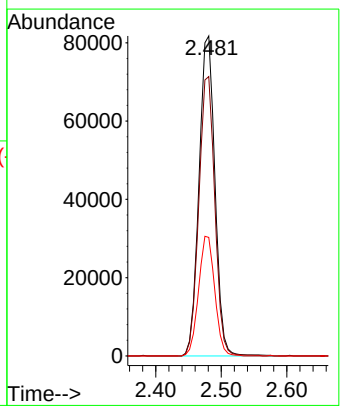


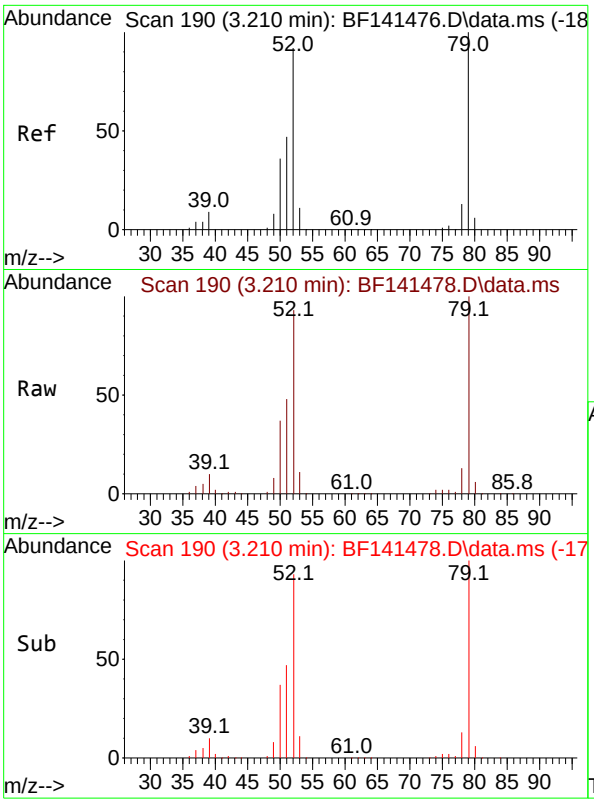




#2
1,4-Dioxane
Concen: 60.929 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 88 Resp: 138751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 87.5 | 71.1 | 106.7 |
| 43 | 37.9 | 30.6 | 46.0 |



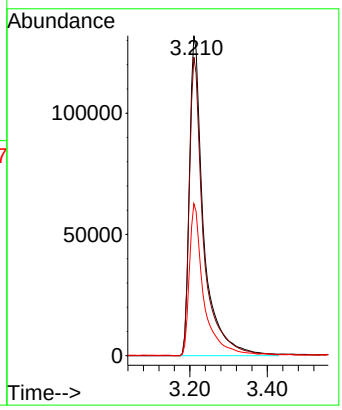


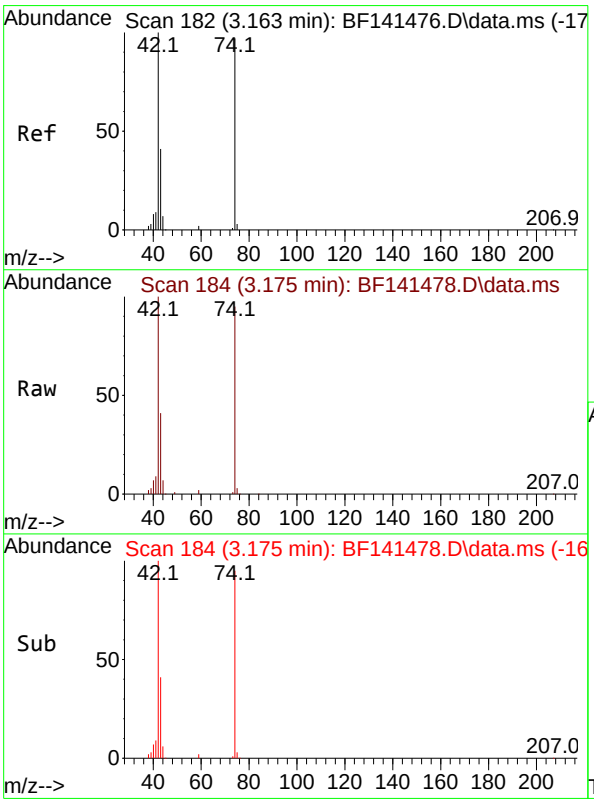

#3
Pyridine
Concen: 61.916 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 79 Resp: 335519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 93.3 | 73.7 | 110.5 |
| 51 | 47.5 | 37.5 | 56.3 |

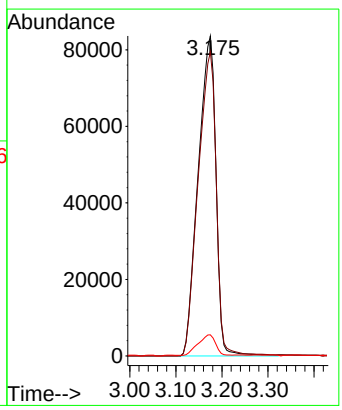


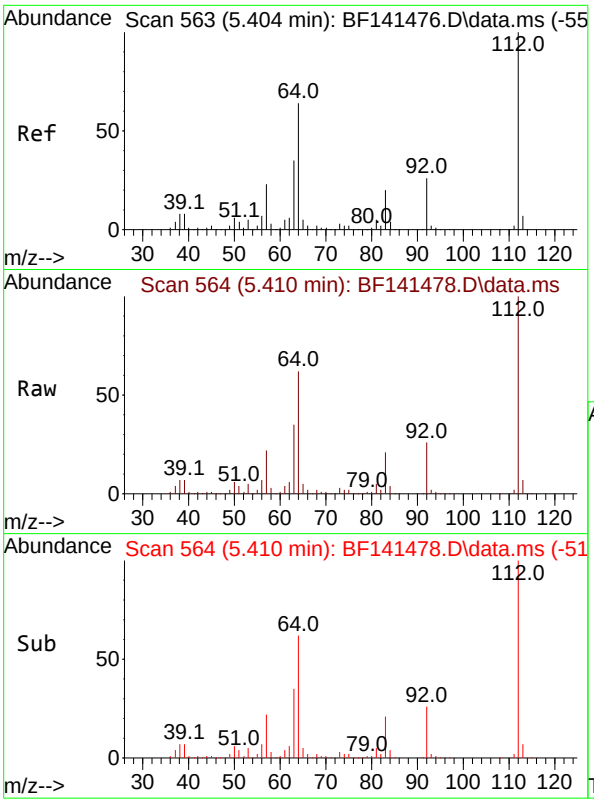




#4
n-Nitrosodimethylamine
Concen: 62.715 ng
RT: 3.175 min Scan# 184
Delta R.T. -0.012 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 42 Resp: 225031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 95.0 | 78.0 | 117.0 |
| 44 | 6.6 | 5.4 | 8.2 |



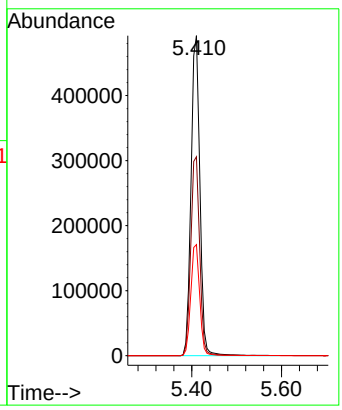


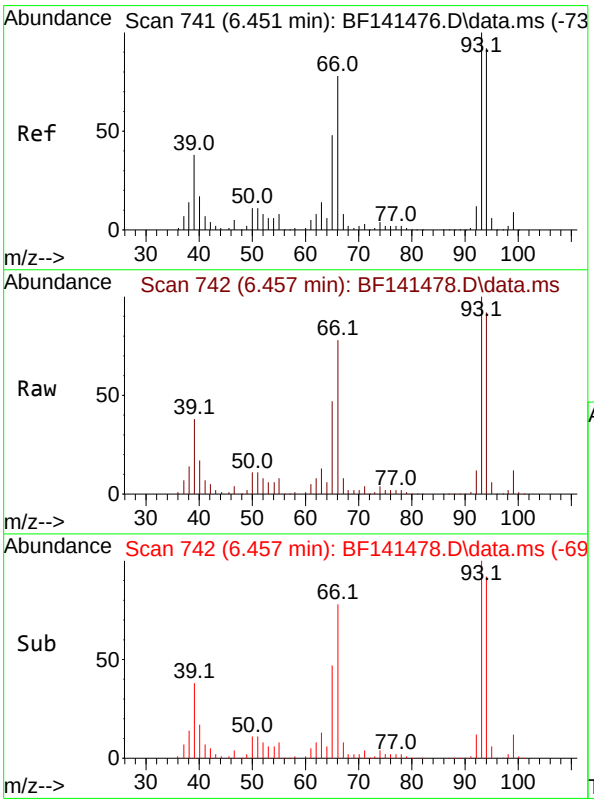

#5
2-Fluorophenol
Concen: 118.894 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:112 Resp: 672709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.2 | 51.1 | 76.7 |
| 63 | 34.7 | 28.4 | 42.6 |

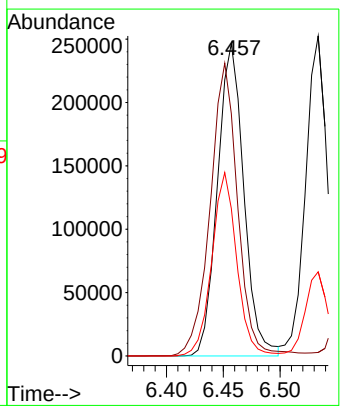


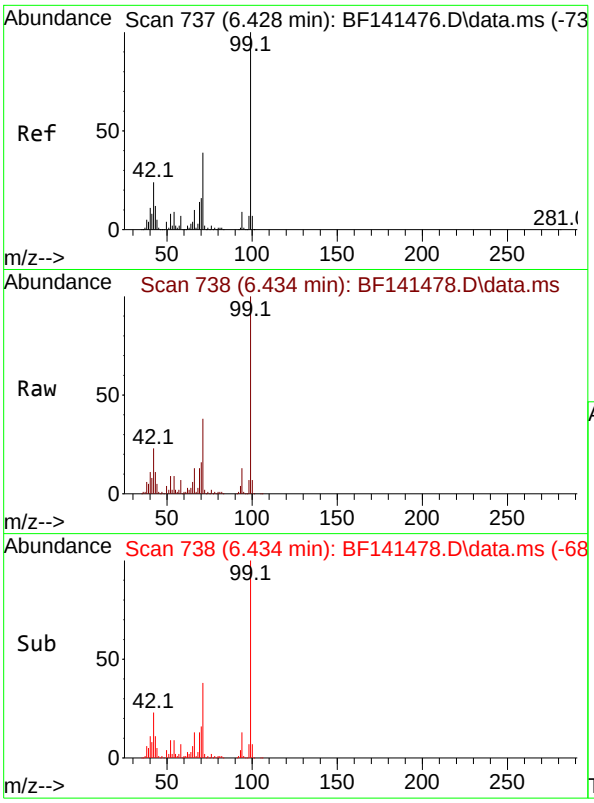




#6
Aniline
Concen: 59.254 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 93 Resp: 397494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 77.6 | 62.6 | 94.0 |
| 65 | 47.2 | 38.3 | 57.5 |



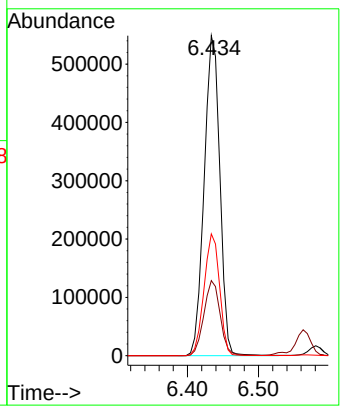


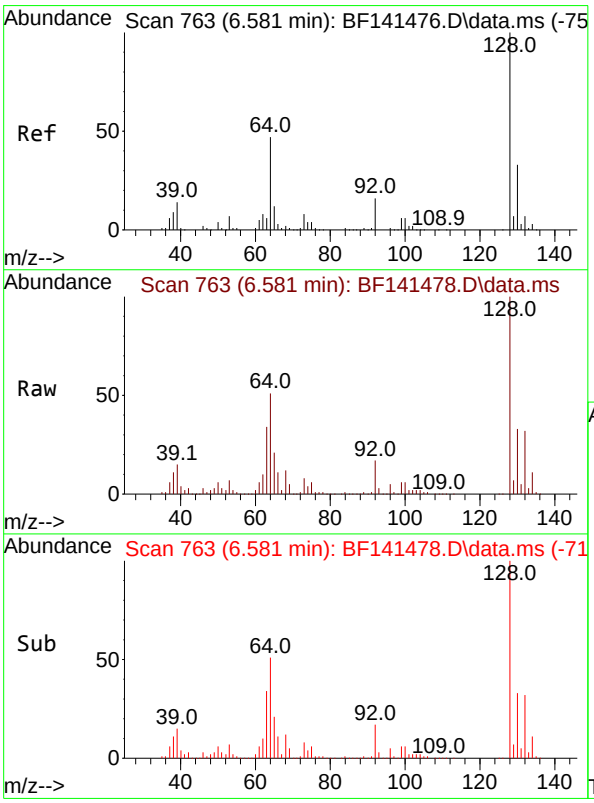

#7
Phenol-d6
Concen: 117.937 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 99 Resp: 843410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.5 | 19.1 | 28.7 |
| 71 | 38.0 | 31.1 | 46.7 |

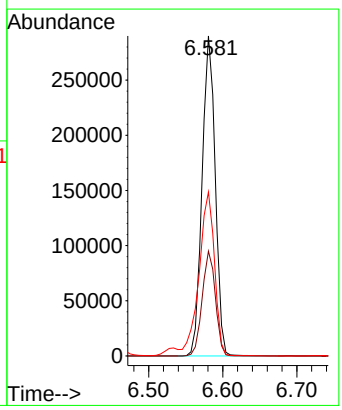


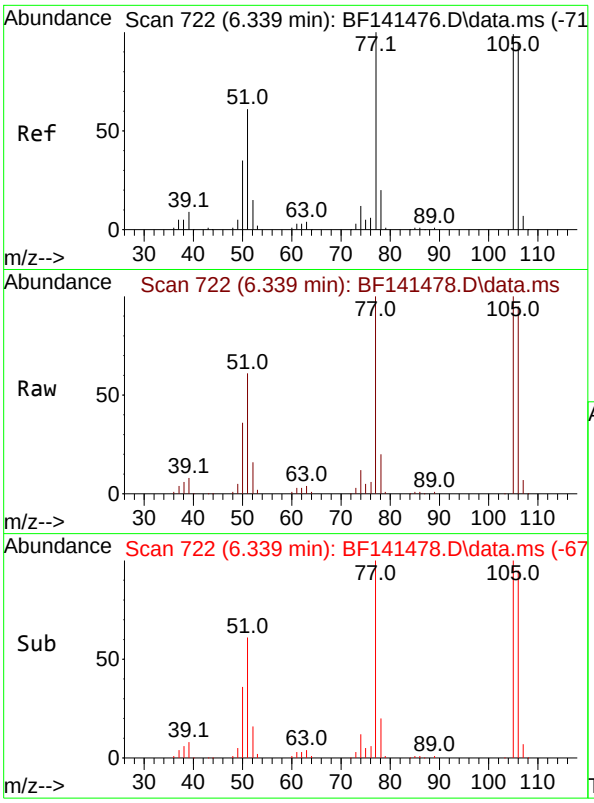




#8
2-Chlorophenol
Concen: 58.561 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:128 Resp: 358027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.8 | 12.7 | 52.7 |
| 64 | 51.3 | 28.3 | 68.3 |



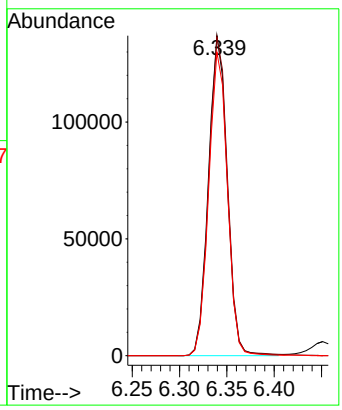


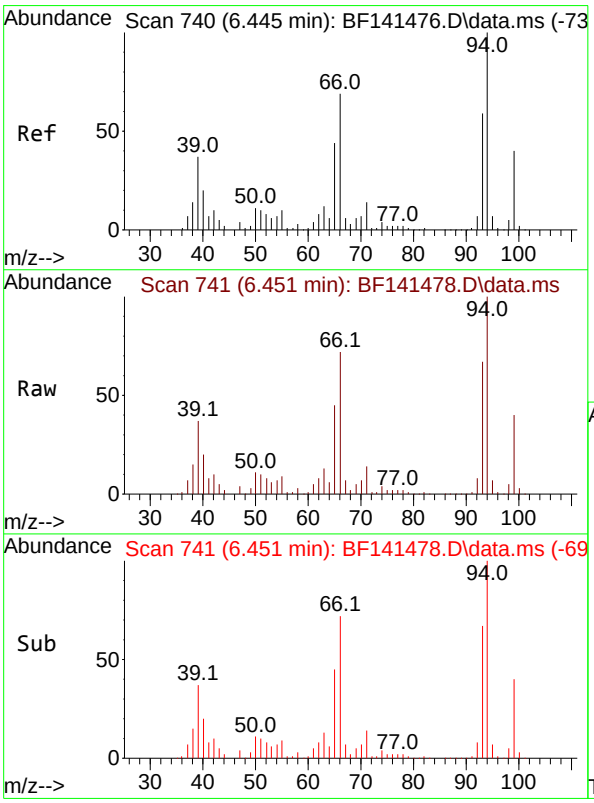

#9
Benzaldehyde
Concen: 49.441 ng
RT: 6.339 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 77 Resp: 187887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.7 | 79.4 | 119.4 |
| 106 | 94.9 | 75.1 | 115.1 |

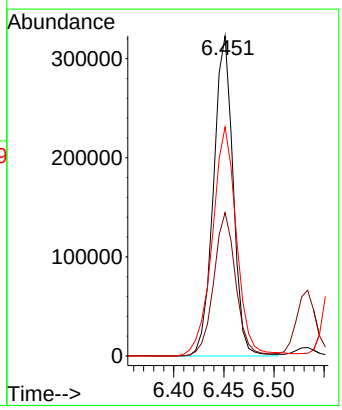


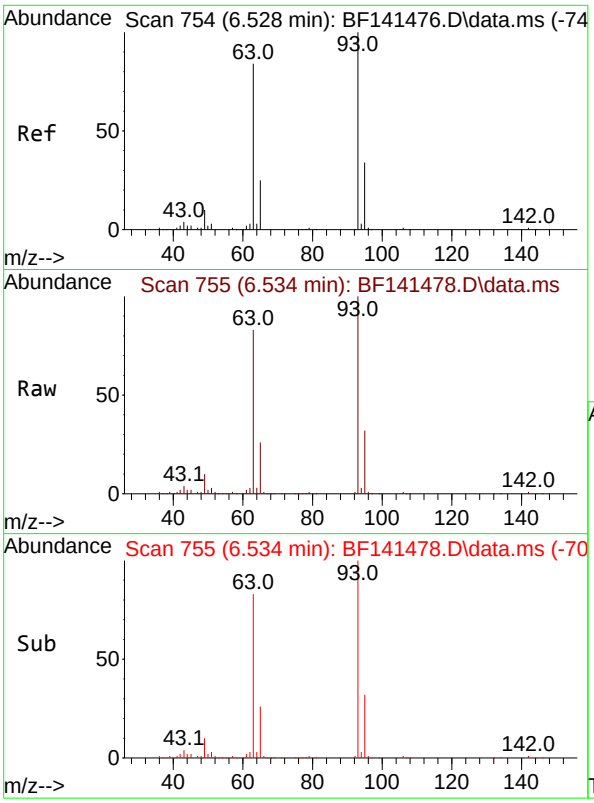




#10
Phenol
Concen: 58.782 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 94 Resp: 437528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 44.8 | 23.7 | 63.7 |
| 66 | 71.5 | 49.3 | 89.3 |



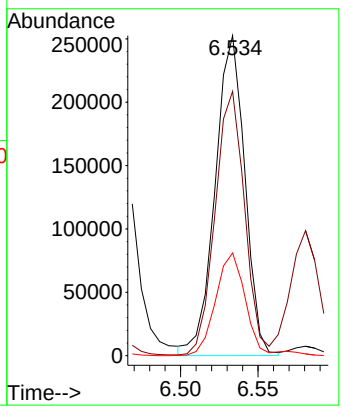


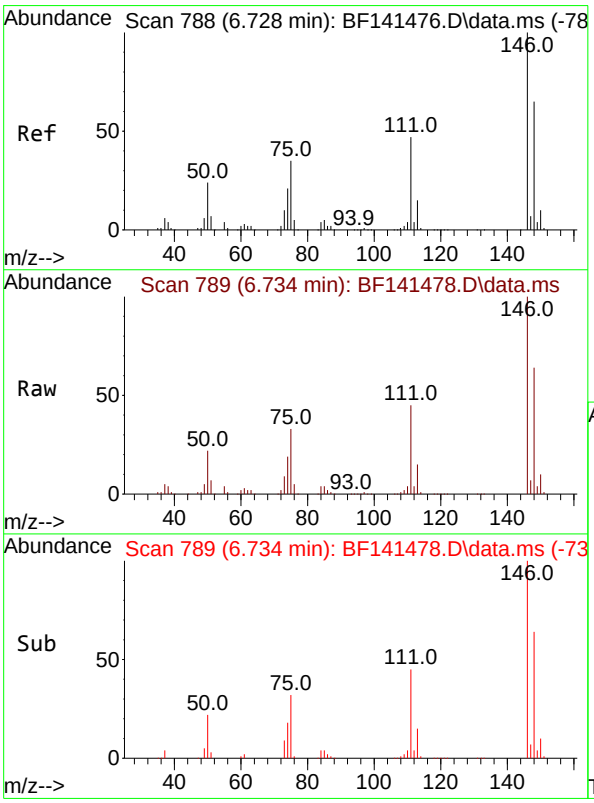

#11
bis(2-Chloroethyl)ether
Concen: 60.093 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 93 Resp: 335957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 82.6 | 62.0 | 102.0 |
| 95 | 32.1 | 12.6 | 52.6 |

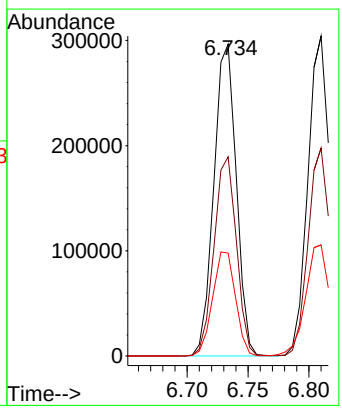


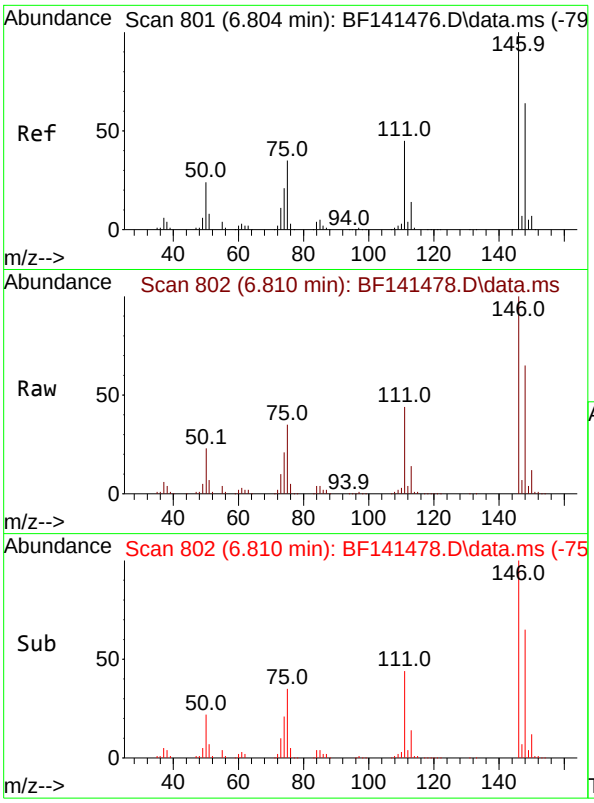




#12
1,3-Dichlorobenzene
Concen: 58.941 ng
RT: 6.734 min Scan# 789
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:146 Resp: 380433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 51.9 | 77.9 |
| 75 | 33.0 | 28.2 | 42.2 |



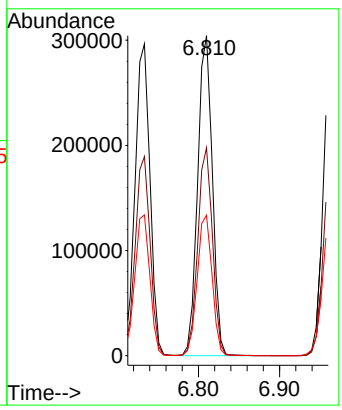


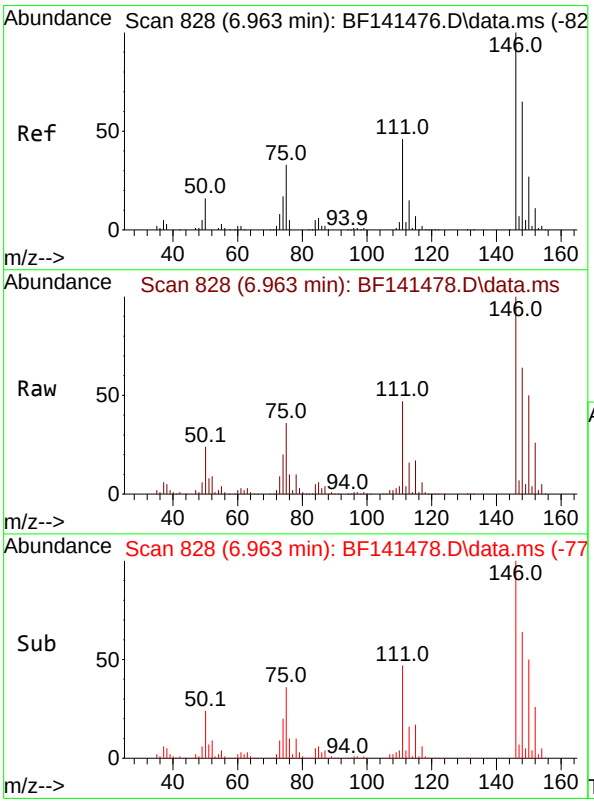

#13
1,4-Dichlorobenzene
Concen: 58.050 ng
RT: 6.810 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:146 Resp: 382812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.0 | 50.9 | 76.3 |
| 111 | 43.9 | 35.9 | 53.9 |

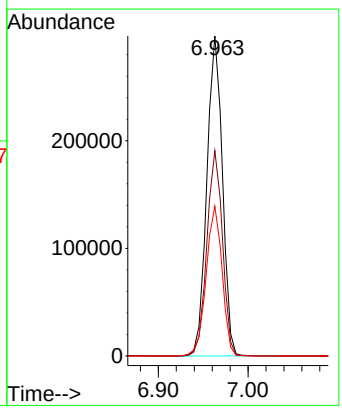


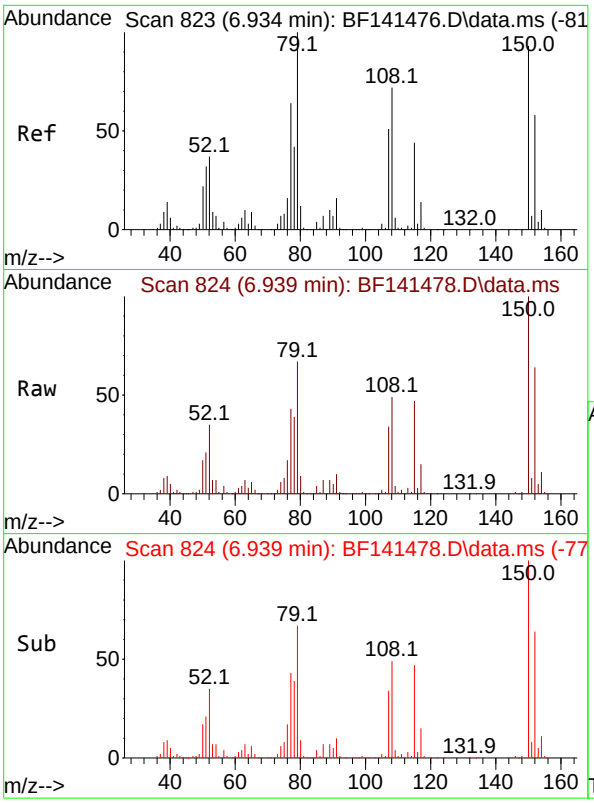




#14
1,2-Dichlorobenzene
Concen: 58.465 ng
RT: 6.963 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:146 Resp: 357837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.8 | 77.6 |
| 111 | 46.8 | 37.0 | 55.4 |



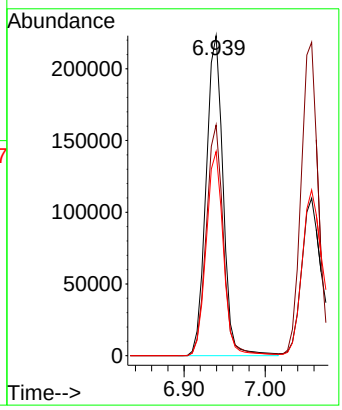


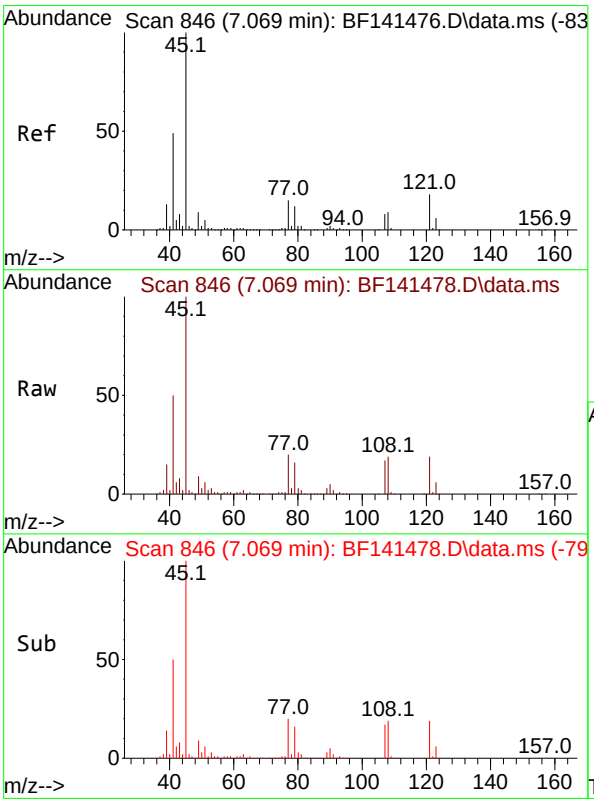

#15
Benzyl Alcohol
Concen: 59.125 ng
RT: 6.939 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 79 Resp: 324244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 72.1 | 57.4 | 86.2 |
| 77 | 63.8 | 50.9 | 76.3 |

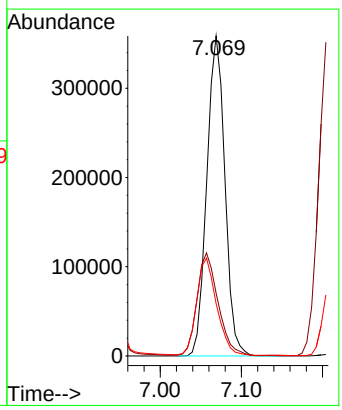


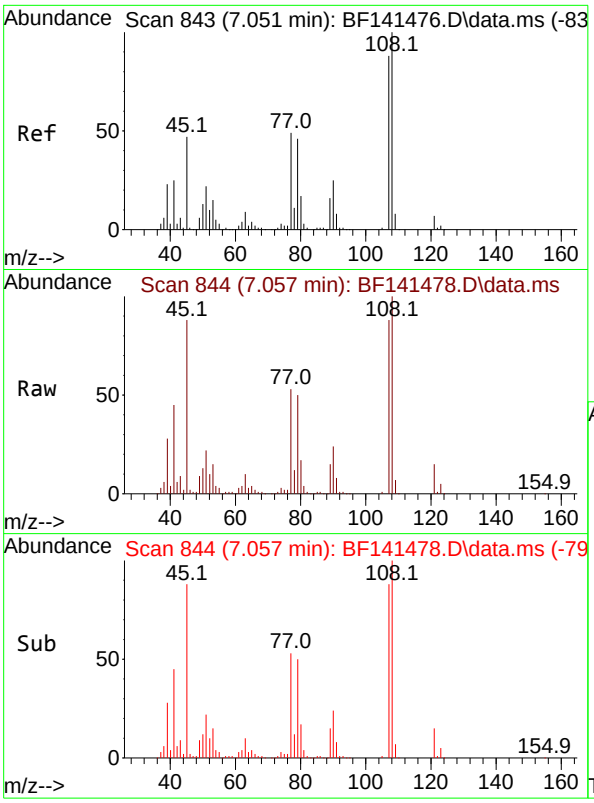




#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.883 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 45 Resp: 553943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 19.6 | 0.0 | 35.8 |
| 79 | 16.3 | 0.0 | 32.7 |



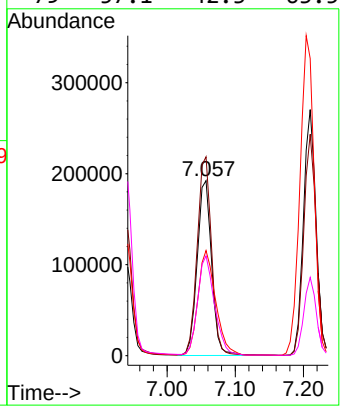


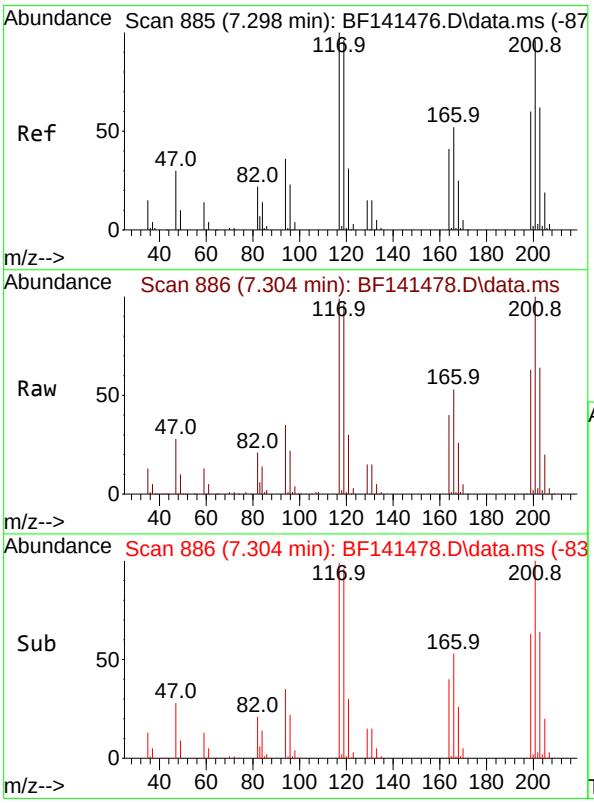

#17
2-Methylphenol
Concen: 59.272 ng
RT: 7.057 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:107 Resp: 283563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.6 | 90.6 | 136.0 |
| 77 | 60.1 | 44.4 | 66.6 |
| 79 | 57.1 | 42.3 | 63.5 |

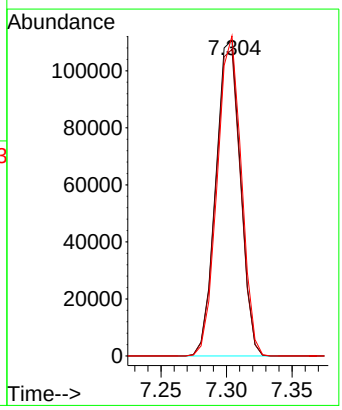


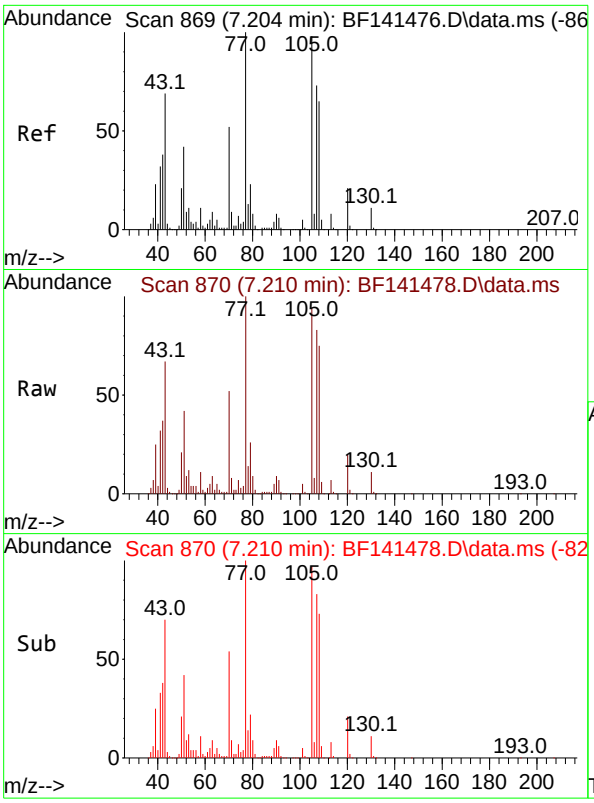




#18
Hexachloroethane
Concen: 59.337 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:117 Resp: 144816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.1 | 76.5 | 114.7 |
| 201 | 101.4 | 76.7 | 115.1 |



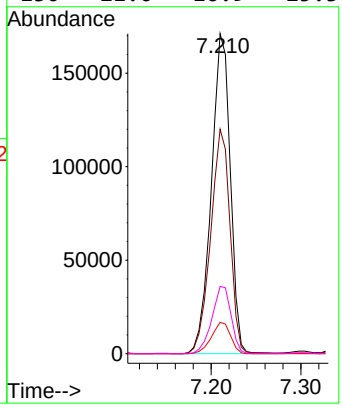


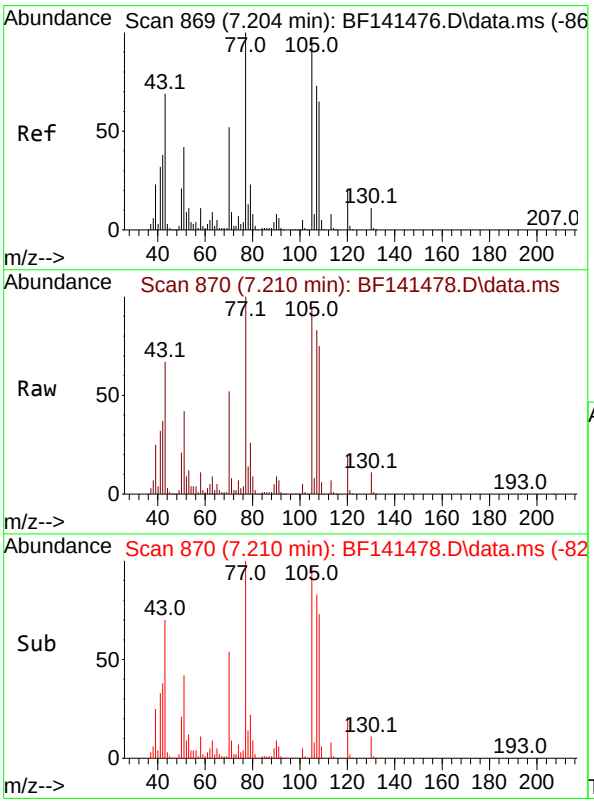

#19
n-Nitroso-di-n-propylamine
Concen: 58.540 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 70 Resp: 250412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 70.1 | 57.4 | 86.2 |
| 101 | 9.8 | 8.0 | 12.0 |
| 130 | 21.0 | 16.9 | 25.3 |

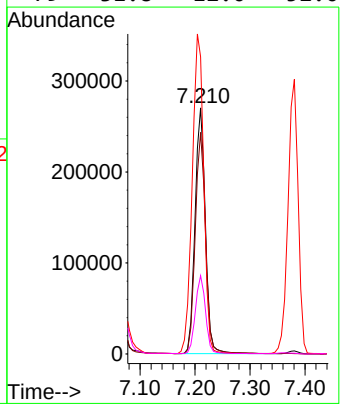


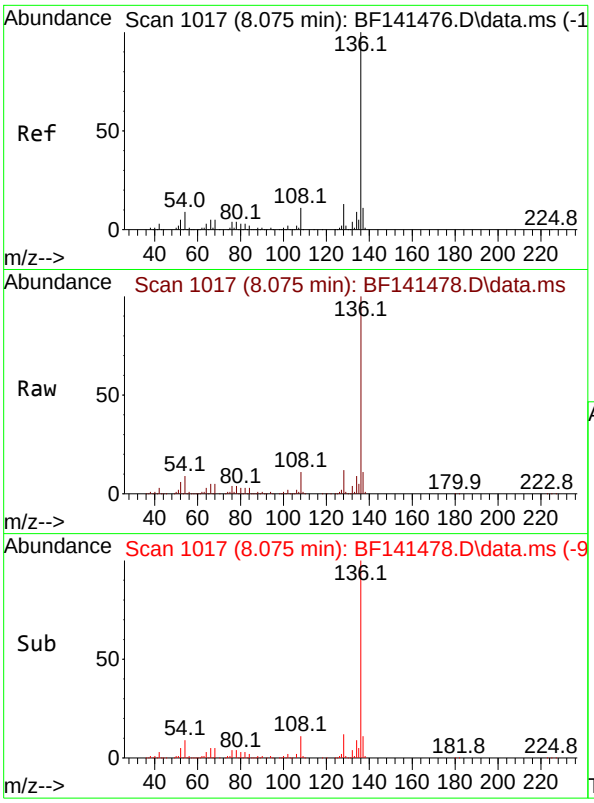




#20
3+4-Methylphenols
Concen: 57.722 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:107 Resp: 350980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.0 | 68.5 | 108.5 |
| 77 | 120.7 | 116.5 | 156.5 |
| 79 | 31.8 | 12.0 | 52.0 |



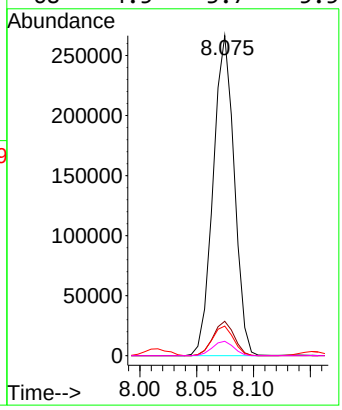


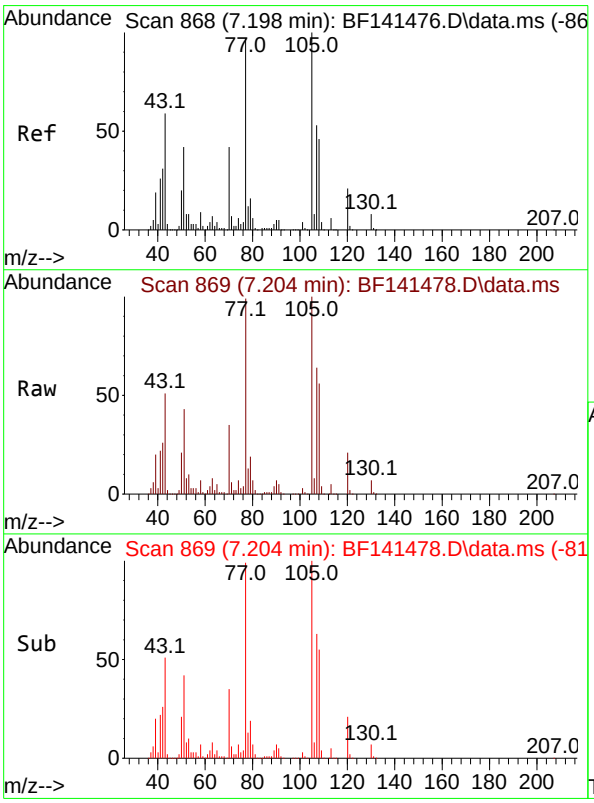

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:136 Resp: 344609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.6 | 13.0 |
| 54 | 9.2 | 7.2 | 10.8 |
| 68 | 4.5 | 3.7 | 5.5 |

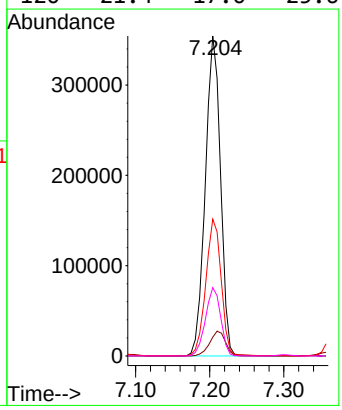


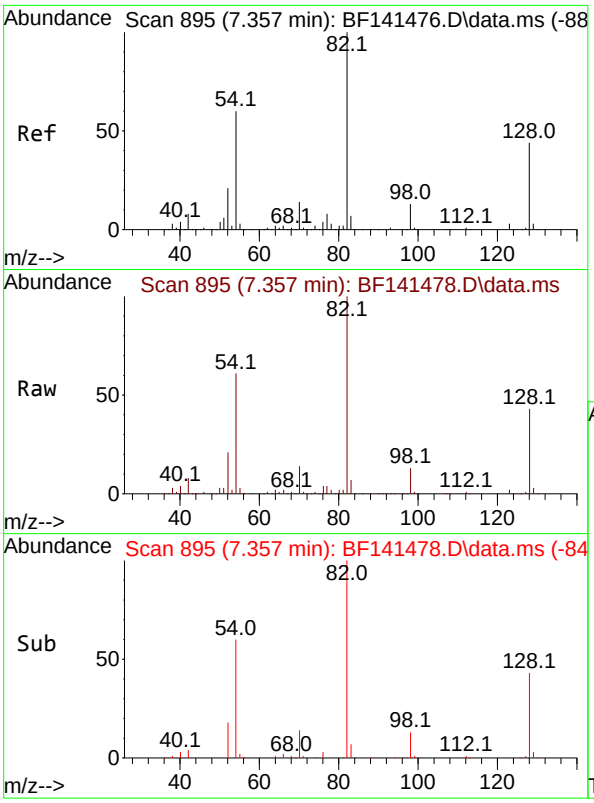




#22
Acetophenone
Concen: 58.828 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:105 Resp: 504294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 5.9 | 5.7 | 8.5 |
| 51 | 42.7 | 33.7 | 50.5 |
| 120 | 21.4 | 17.0 | 25.6 |



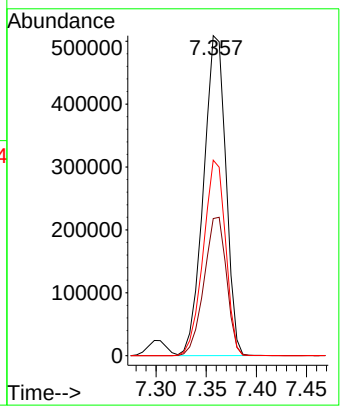


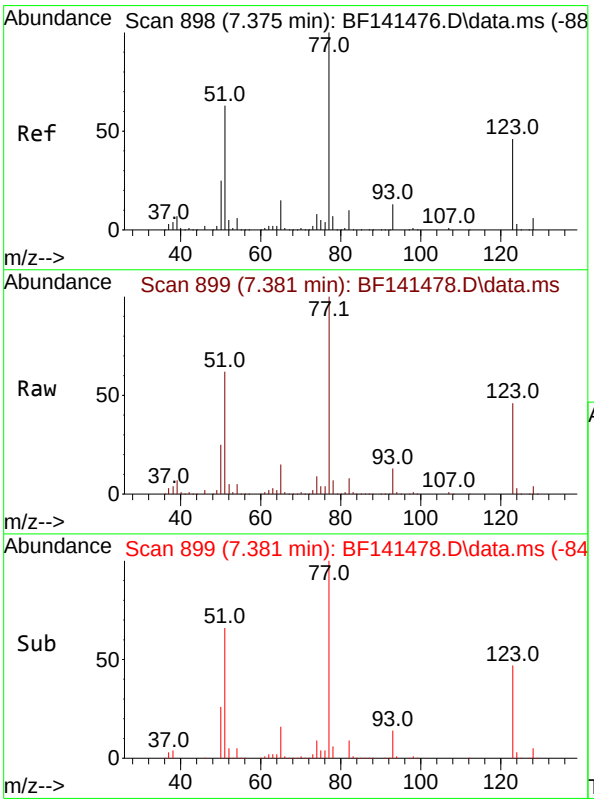

#23
Nitrobenzene-d5
Concen: 119.351 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 82 Resp: 788550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.9 | 34.8 | 52.2 |
| 54 | 61.1 | 48.2 | 72.4 |

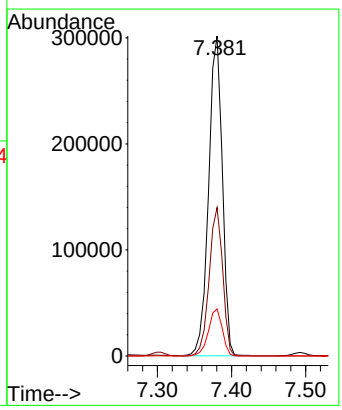


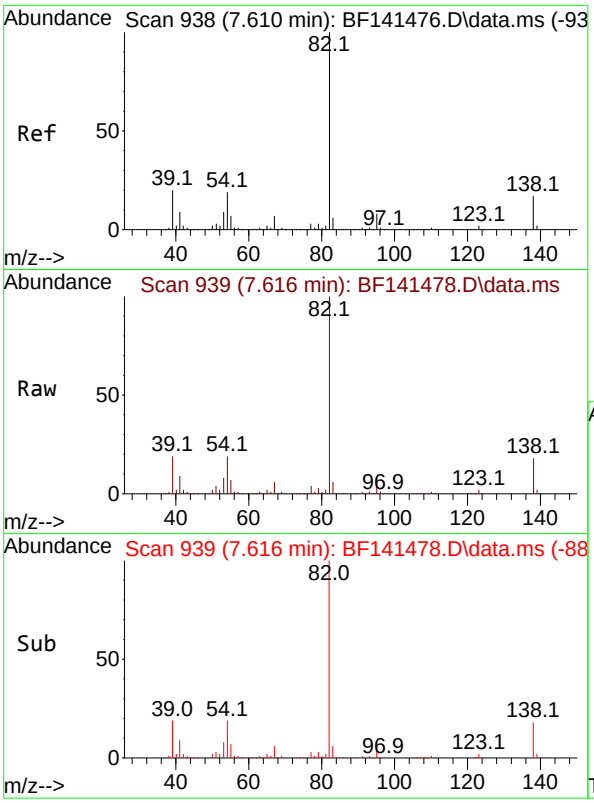




#24
Nitrobenzene
Concen: 60.096 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 77 Resp: 387174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.4 | 36.9 | 55.3 |
| 65 | 14.7 | 11.9 | 17.9 |



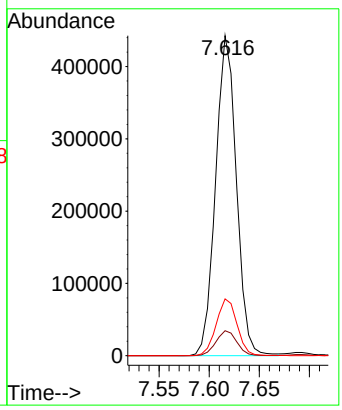


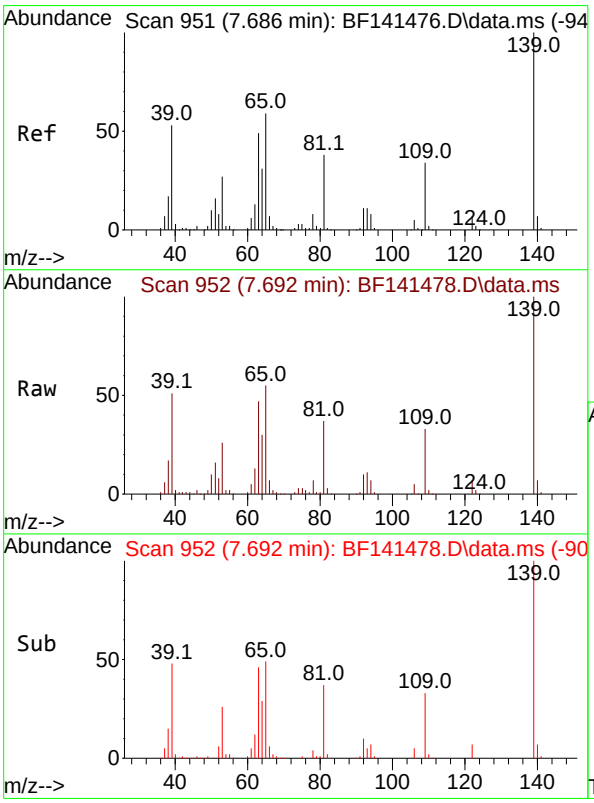

#25
Isophorone
Concen: 60.562 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 82 Resp: 638004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.8 | 6.4 | 9.6 |
| 138 | 17.7 | 13.9 | 20.9 |

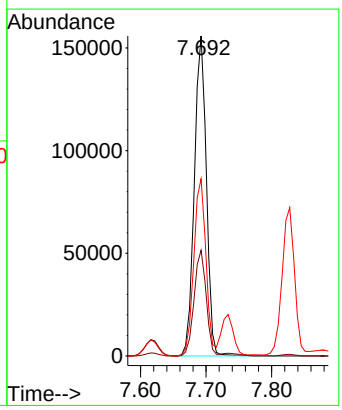


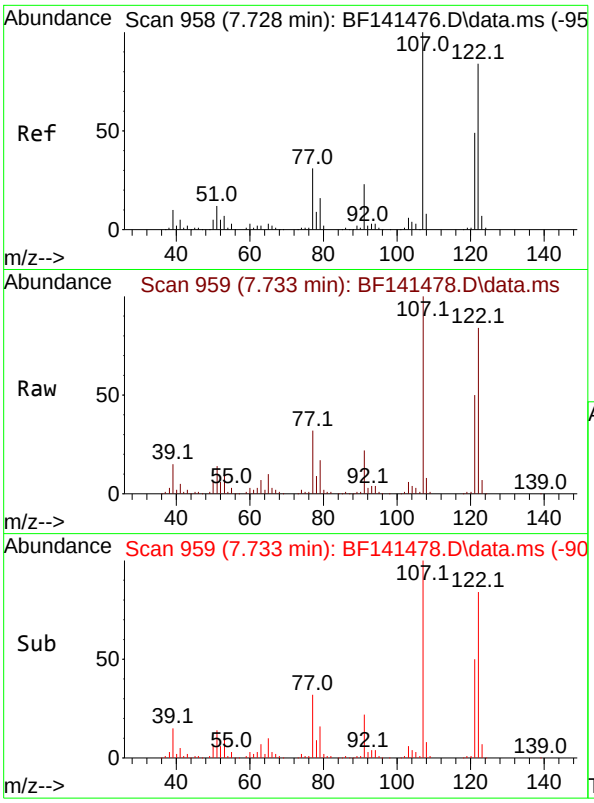




#26
2-Nitrophenol
Concen: 62.128 ng
RT: 7.692 min Scan# 952
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:139 Resp: 199140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.1 | 27.0 | 40.6 |
| 65 | 55.3 | 47.1 | 70.7 |



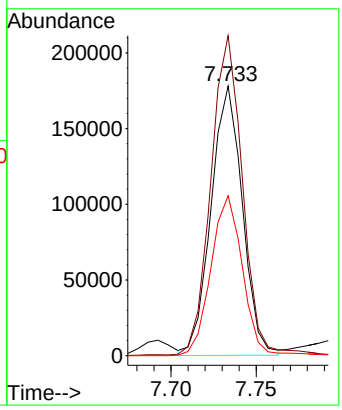


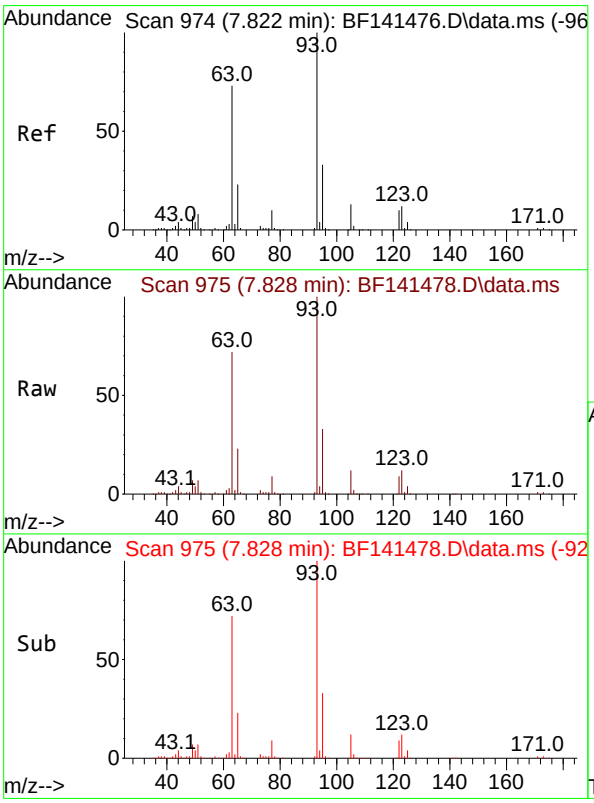

#27
2,4-Dimethylphenol
Concen: 60.836 ng
RT: 7.733 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:122 Resp: 227803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 118.7 | 94.3 | 141.5 |
| 121 | 59.4 | 46.0 | 69.0 |

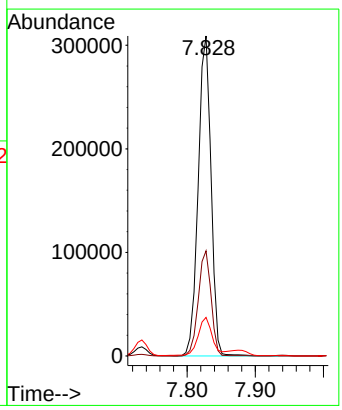


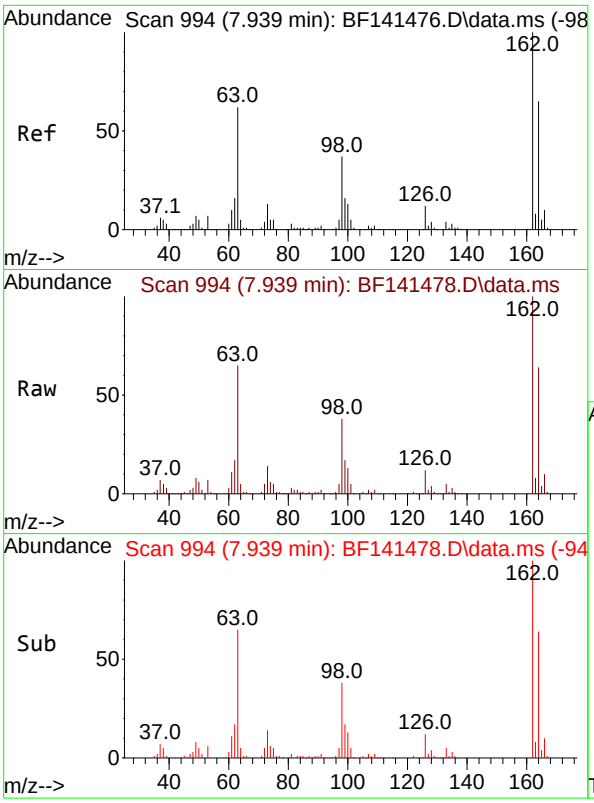




#28
bis(2-Chloroethoxy)methane
Concen: 59.877 ng
RT: 7.828 min Scan# 975
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 93 Resp: 404195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.8 | 26.1 | 39.1 |
| 123 | 12.1 | 9.5 | 14.3 |



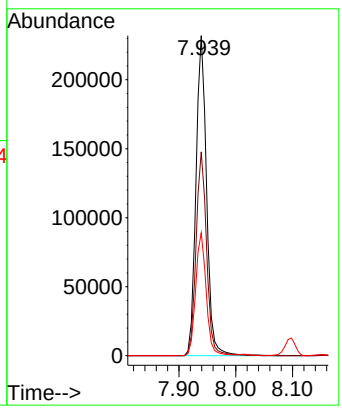


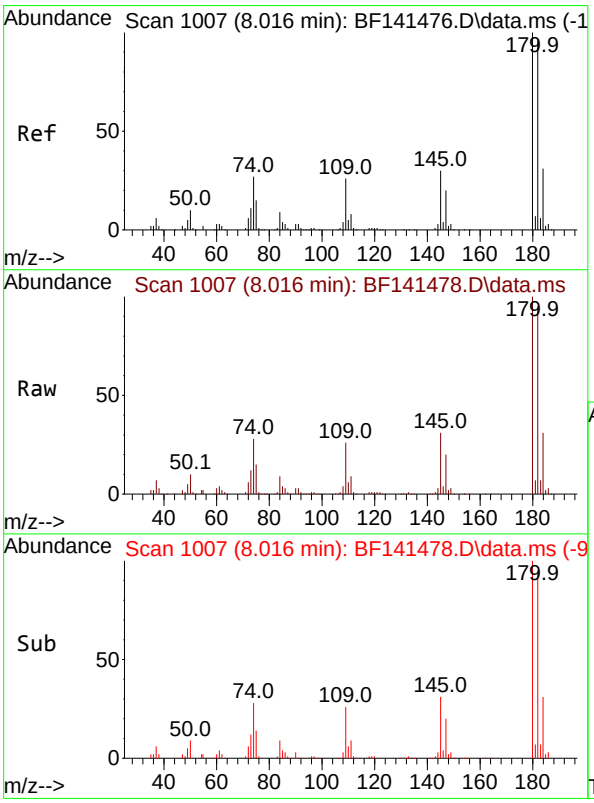

#29
2,4-Dichlorophenol
Concen: 59.683 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:162 Resp: 301959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.7 | 44.6 | 84.6 |
| 98 | 38.4 | 17.2 | 57.2 |

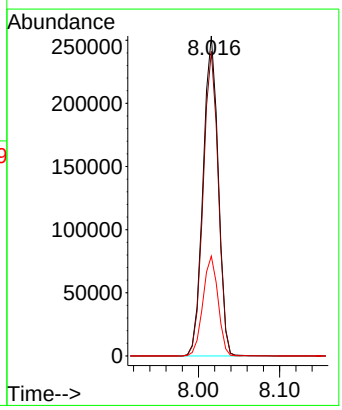


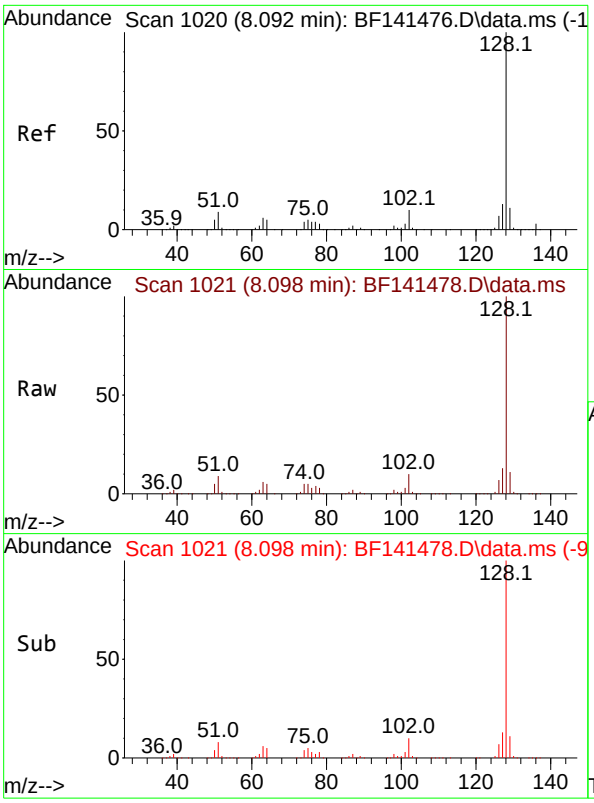




#30
1,2,4-Trichlorobenzene
Concen: 59.561 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:180 Resp: 328150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 76.8 | 115.2 |
| 145 | 31.2 | 24.2 | 36.4 |



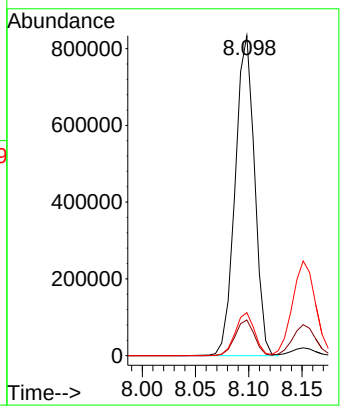


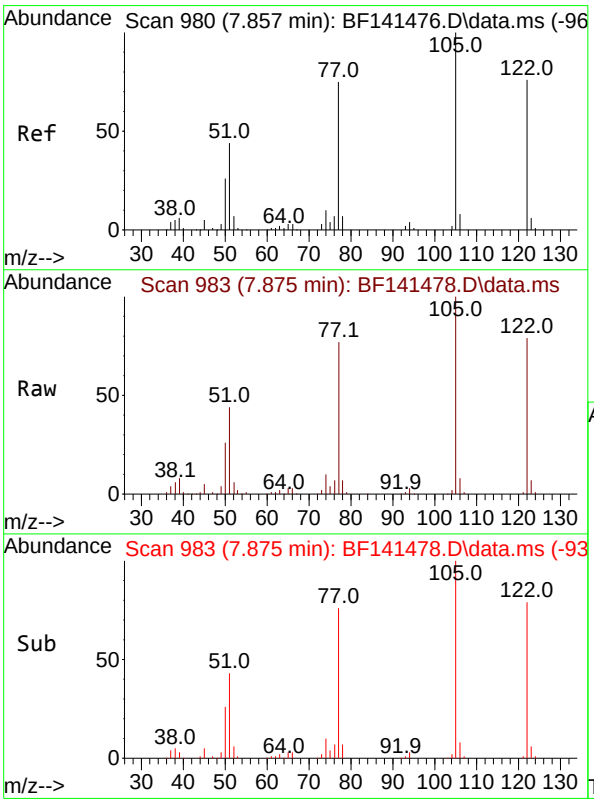

#31
Naphthalene
Concen: 58.889 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:128 Resp: 1056367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.9 | 13.3 |
| 127 | 13.4 | 10.7 | 16.1 |

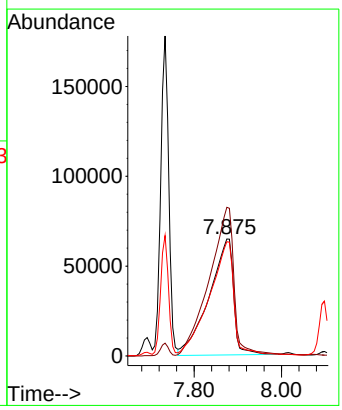


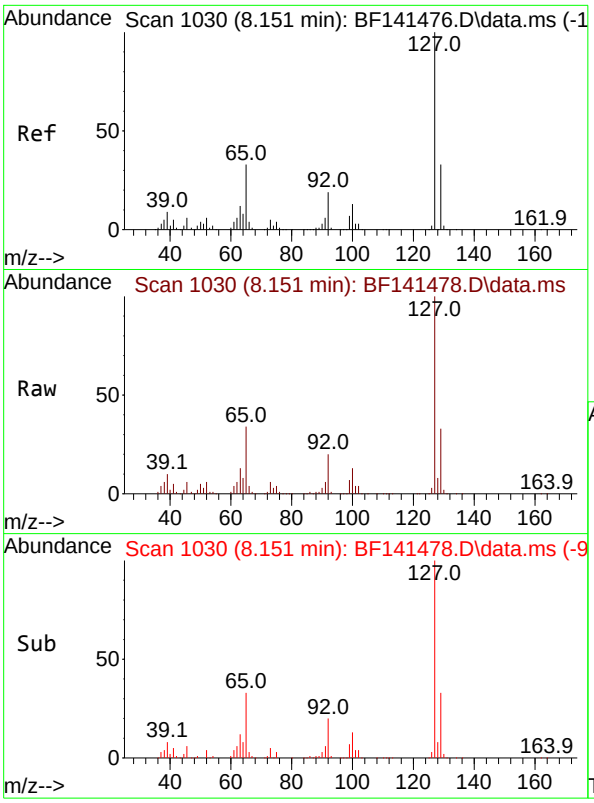




#32
Benzoic acid
Concen: 64.532 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.017 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:122 Resp: 250995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 127.0 | 106.5 | 146.5 |
| 77 | 97.7 | 76.3 | 116.3 |



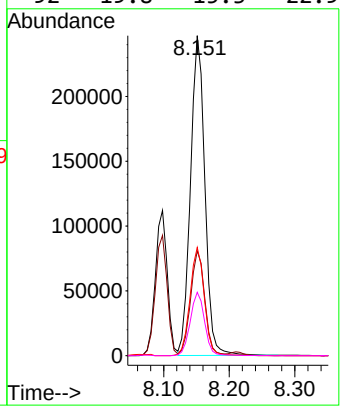


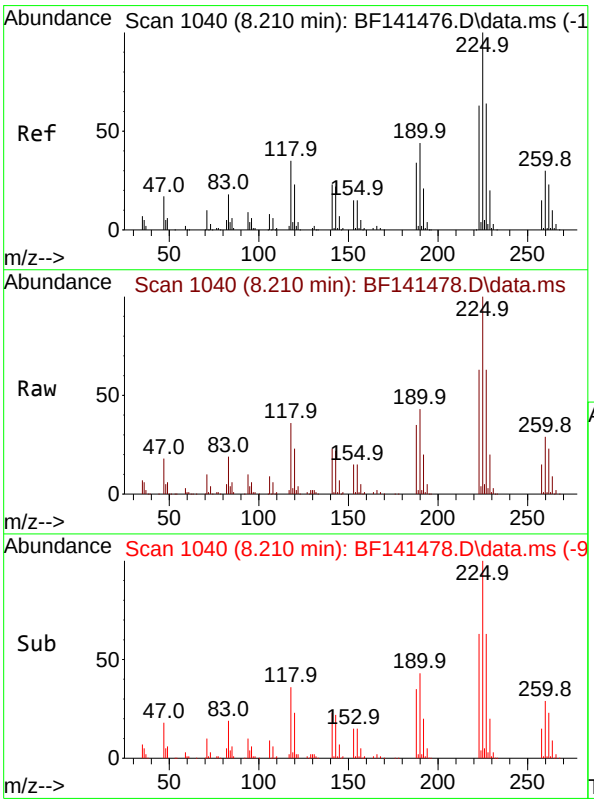

#33
4-Chloroaniline
Concen: 60.070 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:127 Resp: 376211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.8 | 26.5 | 39.7 |
| 65 | 33.8 | 26.4 | 39.6 |
| 92 | 19.8 | 15.3 | 22.9 |

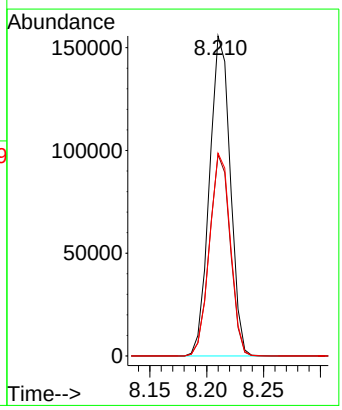


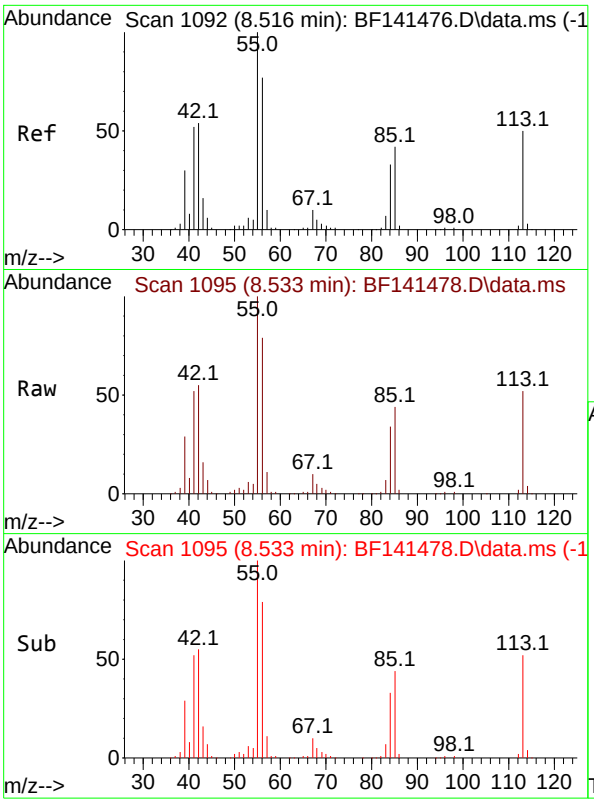




#34
Hexachlorobutadiene
Concen: 59.849 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:225 Resp: 197955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 50.1 | 75.1 |
| 227 | 63.4 | 51.0 | 76.6 |



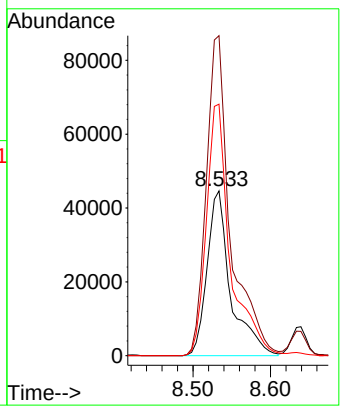


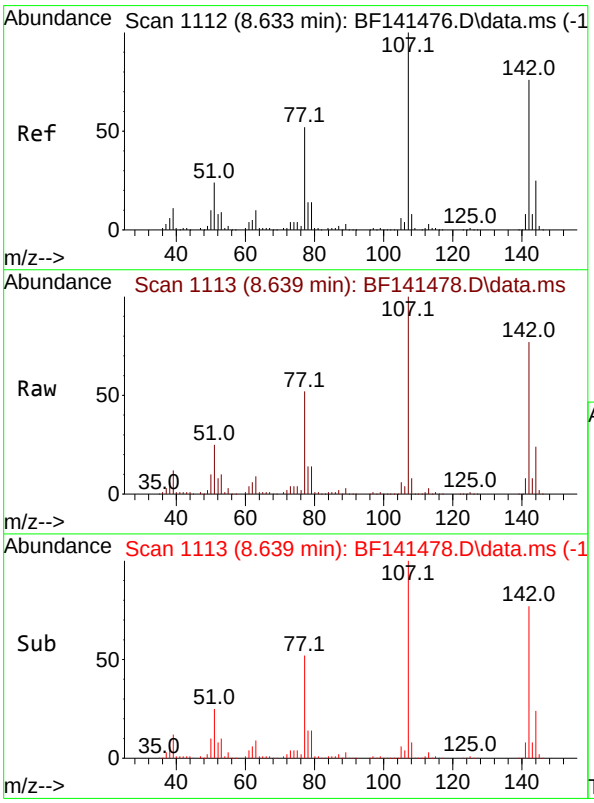

#35
Caprolactam
Concen: 61.291 ng
RT: 8.533 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:113 Resp: 94415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 194.1 | 180.8 | 220.8 |
| 56 | 152.5 | 133.6 | 173.6 |

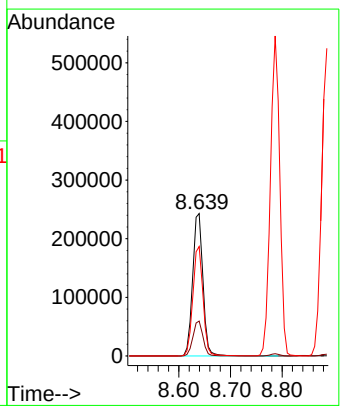


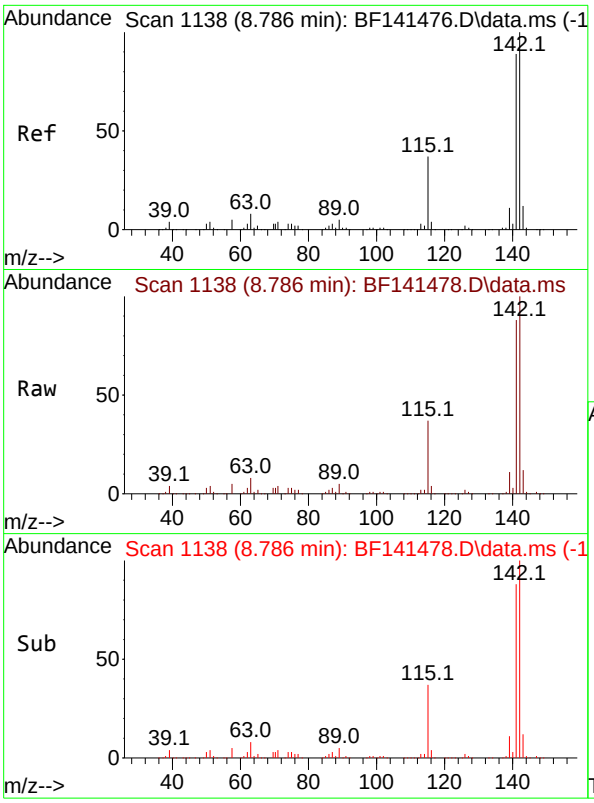




#36
4-Chloro-3-methylphenol
Concen: 59.935 ng
RT: 8.639 min Scan# 1113
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:107 Resp: 335897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.5 | 19.7 | 29.5 |
| 142 | 76.8 | 60.8 | 91.2 |



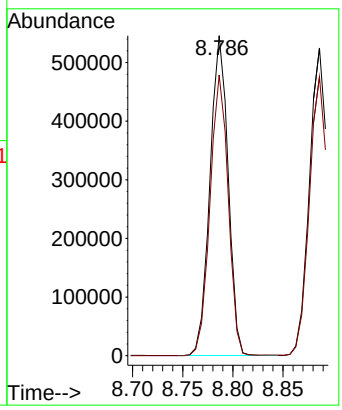


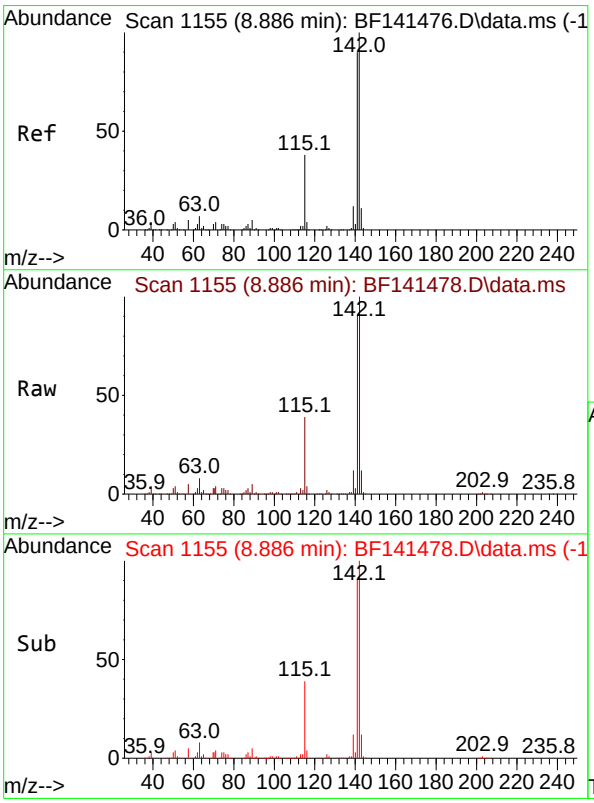

#37
2-Methylnaphthalene
Concen: 58.941 ng
RT: 8.786 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:142 Resp: 688021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.7 | 71.2 | 106.8 |

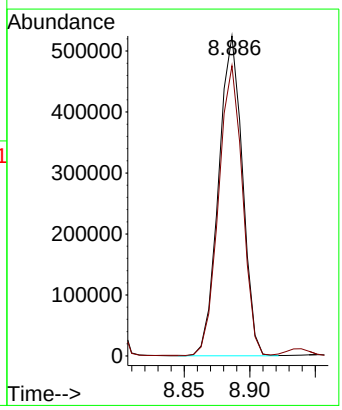


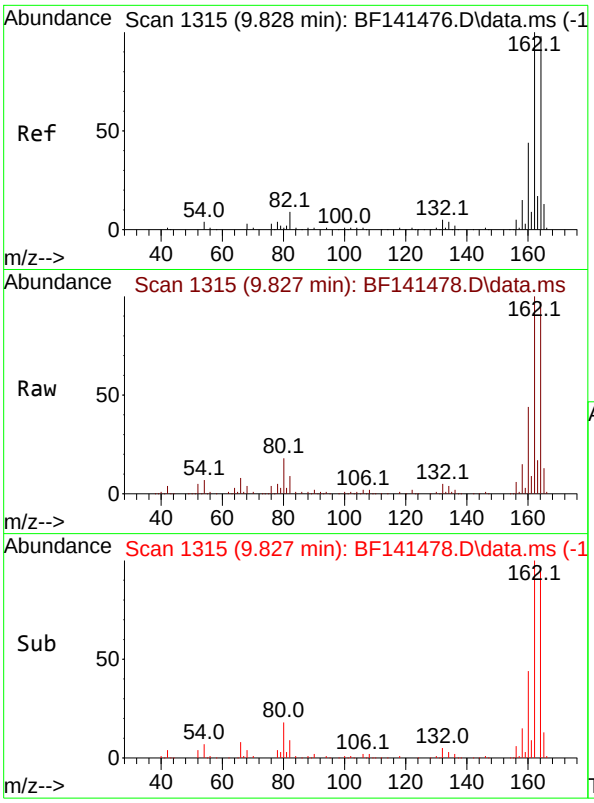




#38
1-Methylnaphthalene
Concen: 58.522 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:142 Resp: 661628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.7 | 72.1 | 108.1 |



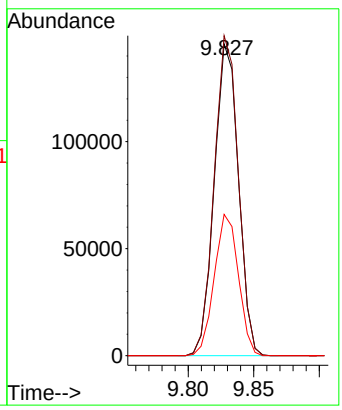


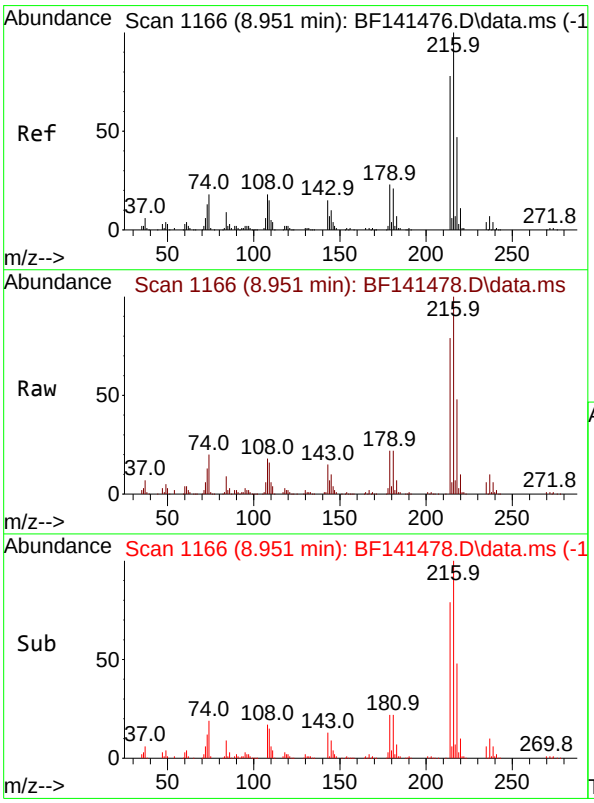

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:164 Resp: 186729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.6 | 81.3 | 121.9 |
| 160 | 45.3 | 35.9 | 53.9 |

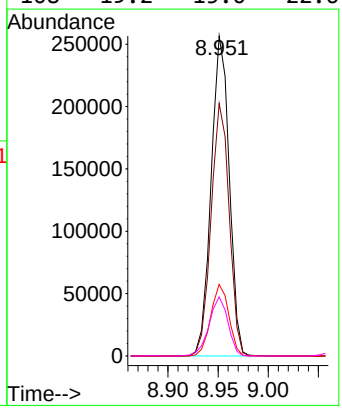


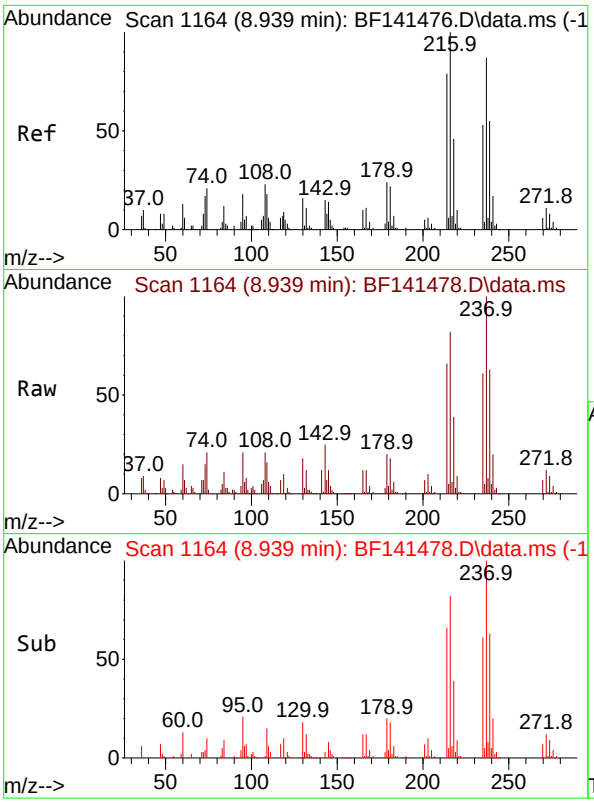




#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.560 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:216 Resp: 321763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.0 | 62.3 | 93.5 |
| 179 | 22.3 | 18.0 | 27.0 |
| 108 | 19.2 | 15.0 | 22.6 |



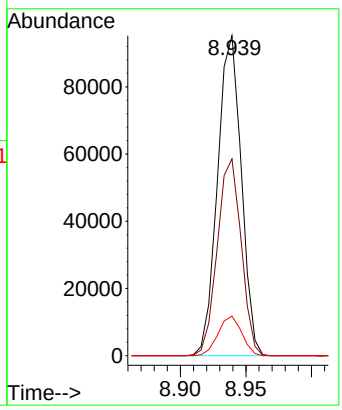


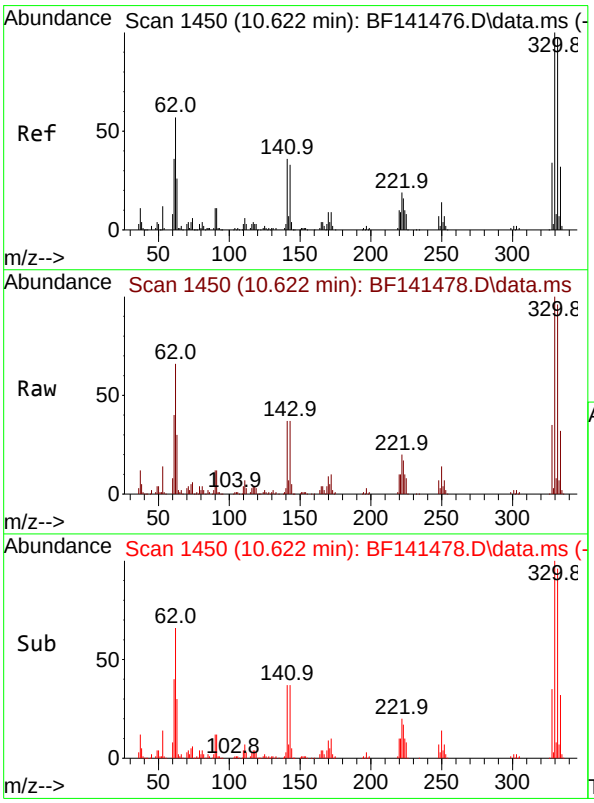

#41
Hexachlorocyclopentadiene
Concen: 66.819 ng
RT: 8.939 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:237 Resp: 120063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.5 | 41.4 | 81.4 |
| 272 | 12.4 | 0.0 | 32.4 |

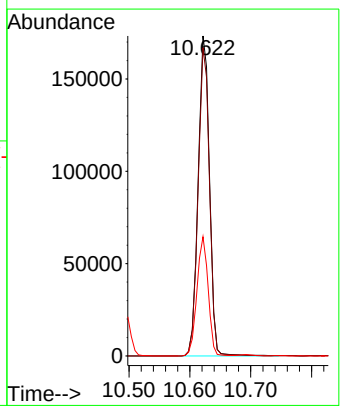


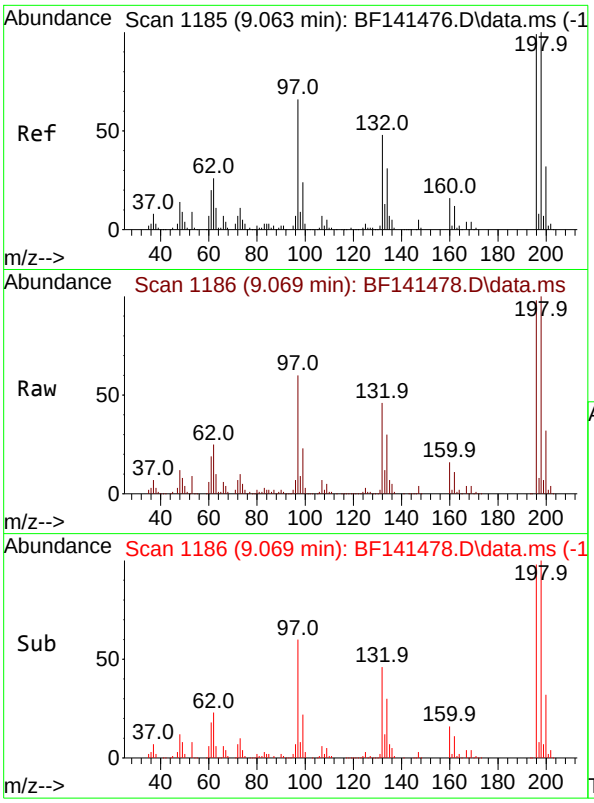




#42
2,4,6-Tribromophenol
Concen: 119.976 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:330 Resp: 225049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 78.5 | 117.7 |
| 141 | 36.9 | 31.0 | 46.4 |



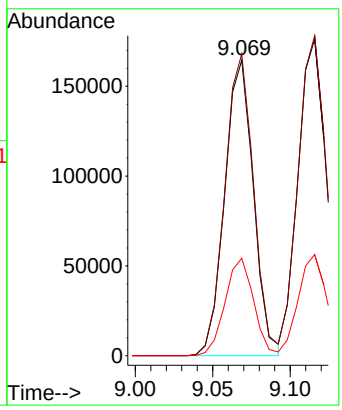


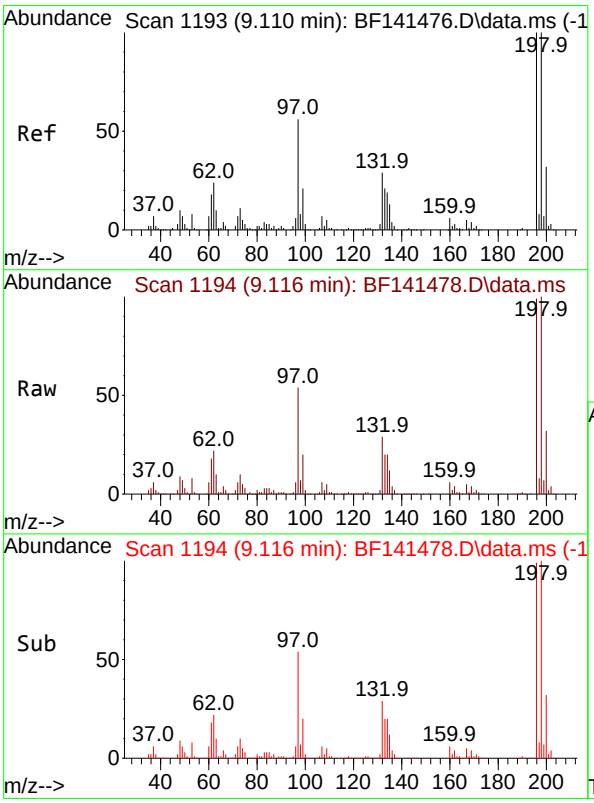

#43
2,4,6-Trichlorophenol
Concen: 60.632 ng
RT: 9.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:196 Resp: 211702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 102.2 | 80.6 | 121.0 |
| 200 | 33.0 | 25.5 | 38.3 |

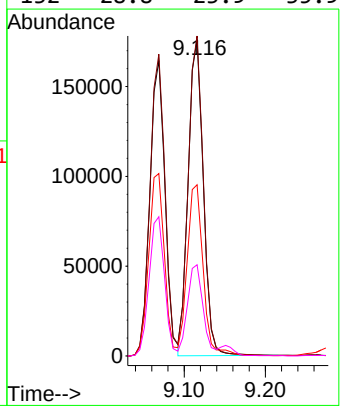


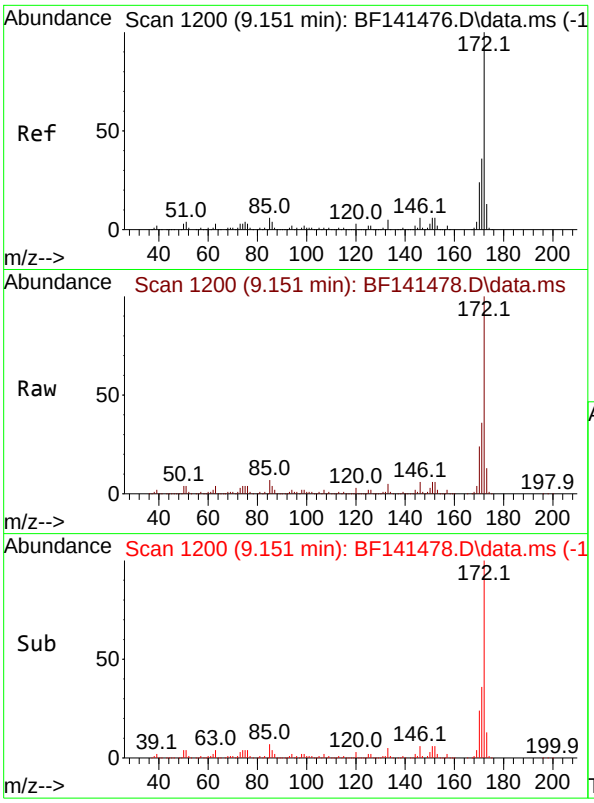




#44
2,4,5-Trichlorophenol
Concen: 60.519 ng
RT: 9.116 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:196 Resp: 229006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.1 | 79.8 | 119.8 |
| 97 | 54.1 | 44.8 | 67.2 |
| 132 | 28.8 | 23.9 | 35.9 |



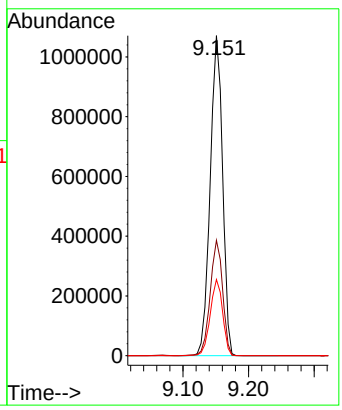


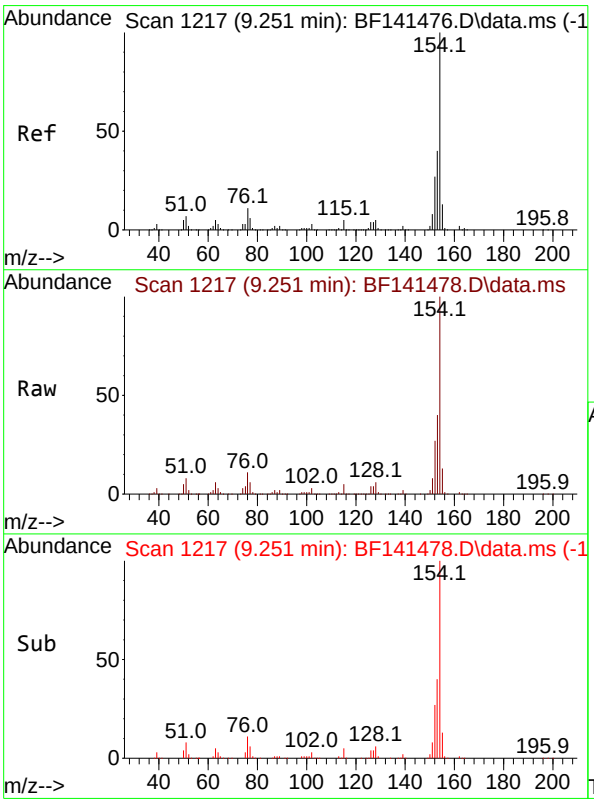

#45
2-Fluorobiphenyl
Concen: 116.358 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:172 Resp: 1410277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 28.7 | 43.1 |
| 170 | 23.8 | 18.9 | 28.3 |

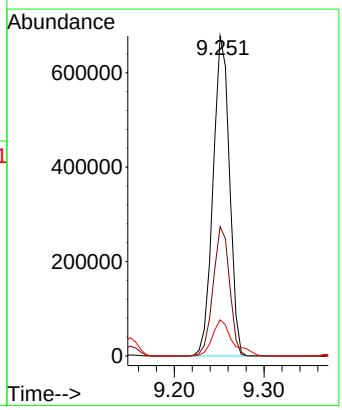


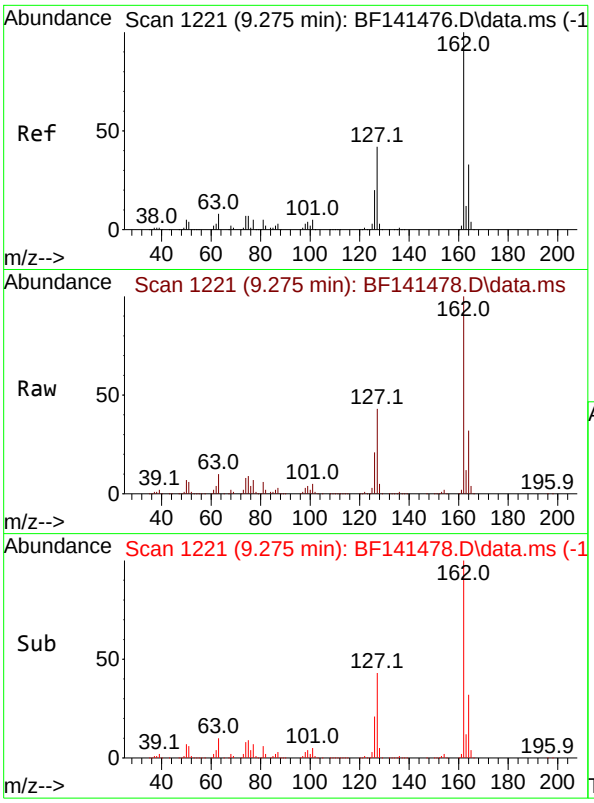




#46
1,1'-Biphenyl
Concen: 59.479 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:154 Resp: 861067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.4 | 20.4 | 60.4 |
| 76 | 11.3 | 0.0 | 30.8 |



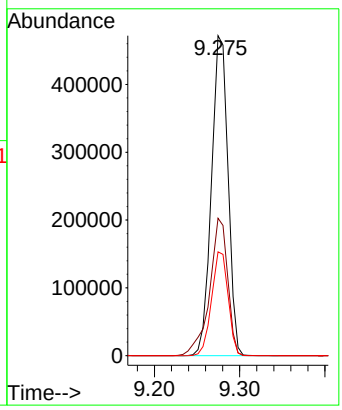


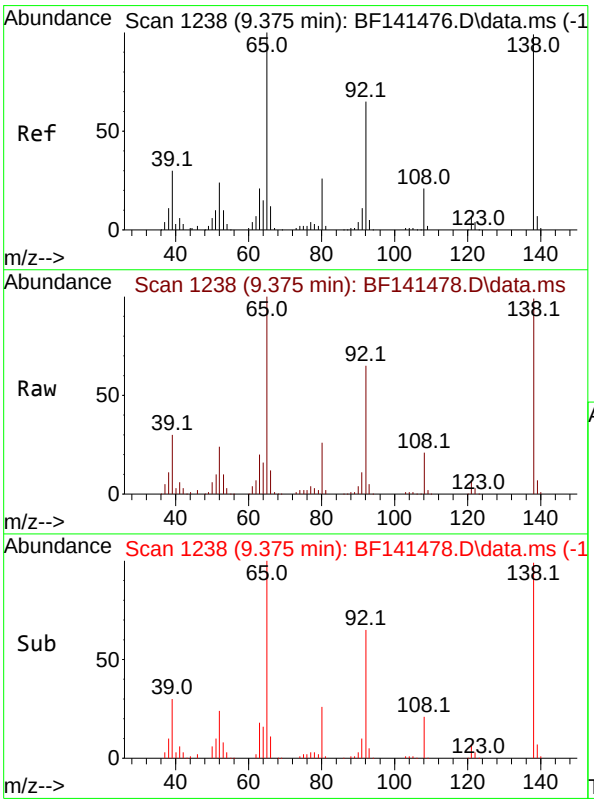

#47
2-Chloronaphthalene
Concen: 59.459 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:162 Resp: 636511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.0 | 34.1 | 51.1 |
| 164 | 32.5 | 26.3 | 39.5 |

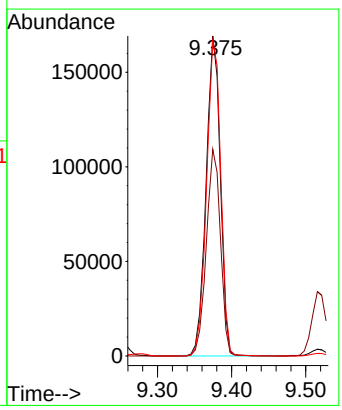


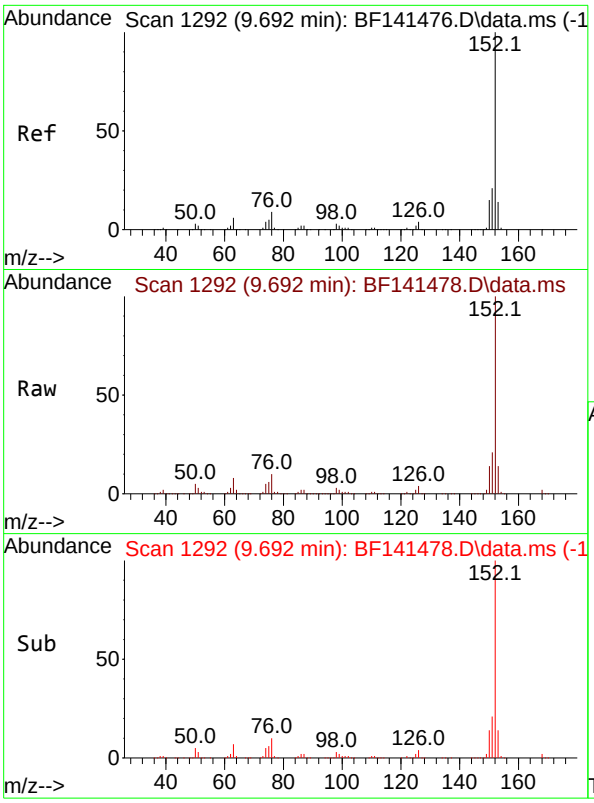




#48
2-Nitroaniline
Concen: 62.547 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 65 Resp: 224709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 64.6 | 52.2 | 78.2 |
| 138 | 98.7 | 79.5 | 119.3 |



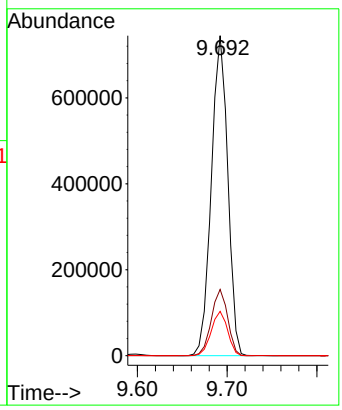


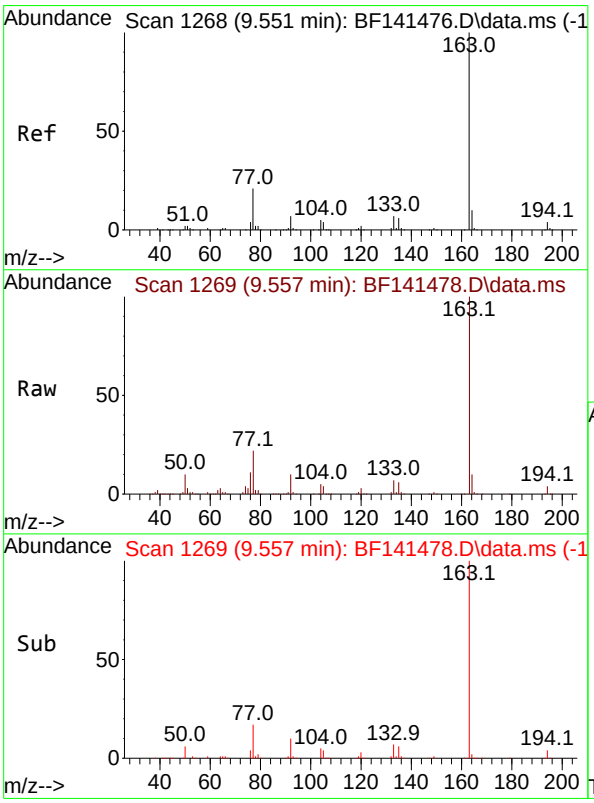

#49
Acenaphthylene
Concen: 59.436 ng
RT: 9.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:152 Resp: 946382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.7 | 16.4 | 24.6 |
| 153 | 13.8 | 10.9 | 16.3 |

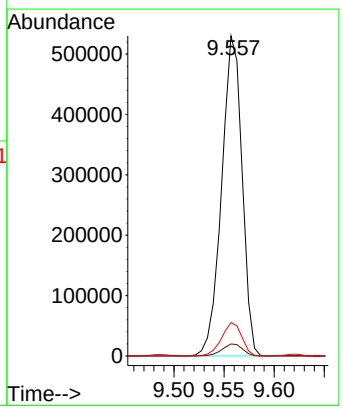


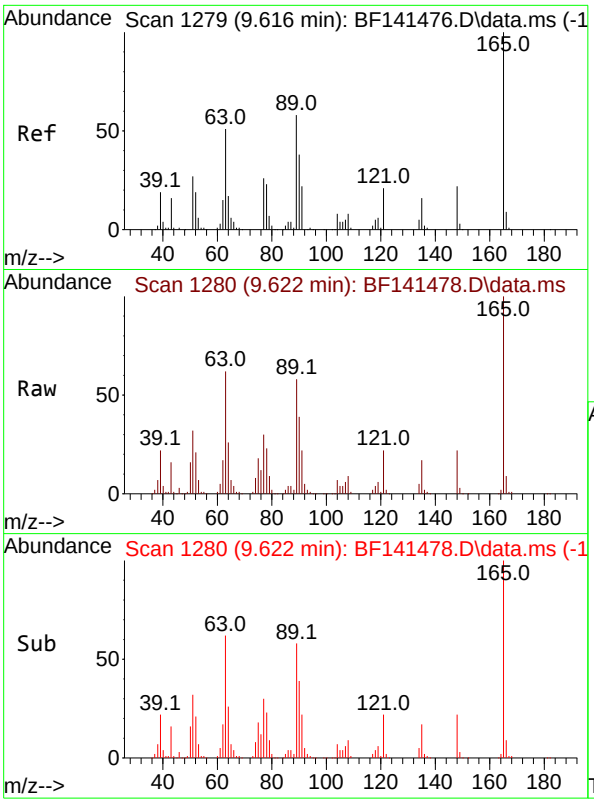




#50
Dimethylphthalate
Concen: 59.253 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:163 Resp: 751128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.4 |
| 164 | 10.4 | 7.9 | 11.9 |



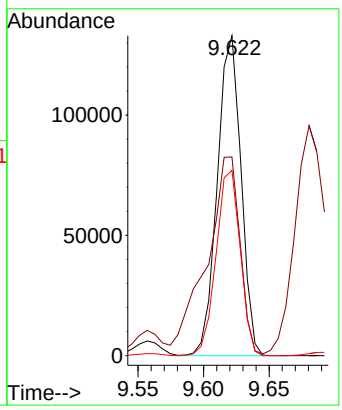


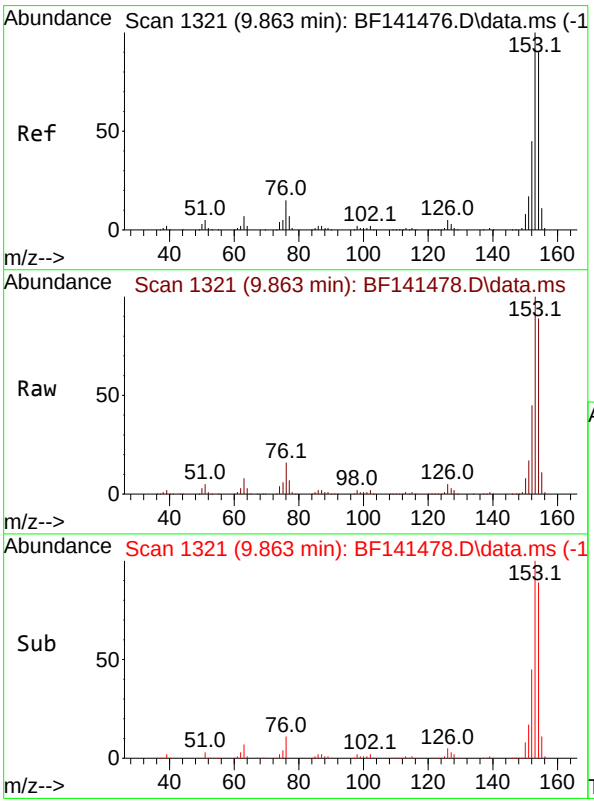

#51
2,6-Dinitrotoluene
Concen: 60.403 ng
RT: 9.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:165 Resp: 167387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 62.1 | 49.4 | 74.0 |
| 89 | 58.0 | 46.5 | 69.7 |

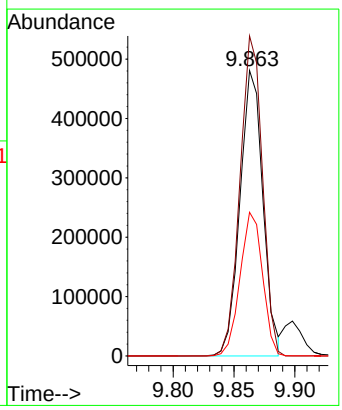


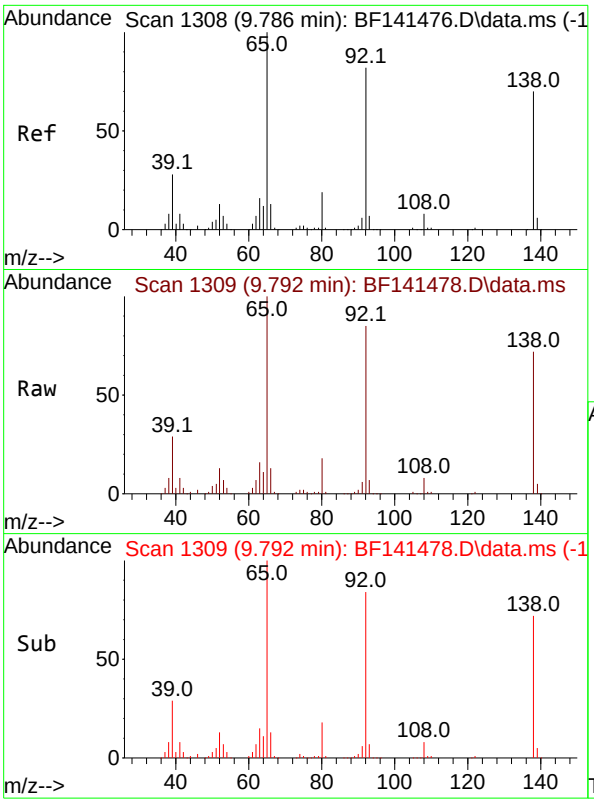




#52
Acenaphthene
Concen: 58.974 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:154 Resp: 631289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.1 | 89.2 | 133.8 |
| 152 | 50.3 | 39.8 | 59.8 |



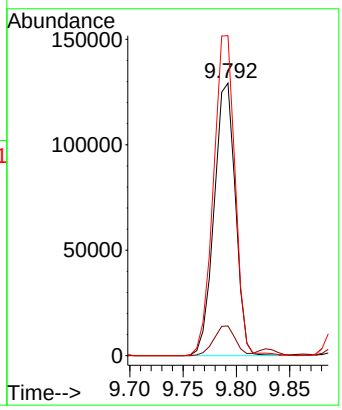


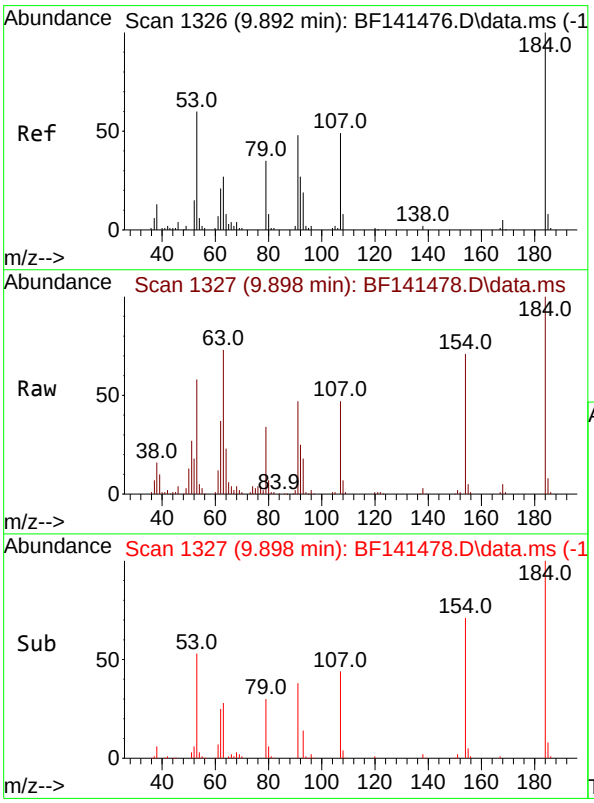

#53
3-Nitroaniline
Concen: 60.237 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:138 Resp: 179664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.9 | 9.0 | 13.4 |
| 92 | 117.5 | 93.7 | 140.5 |

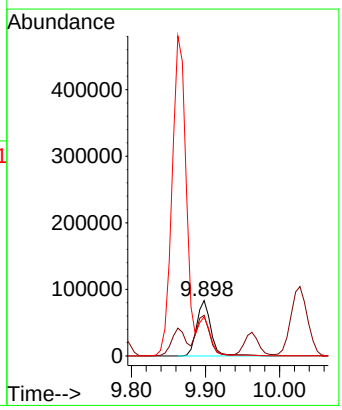


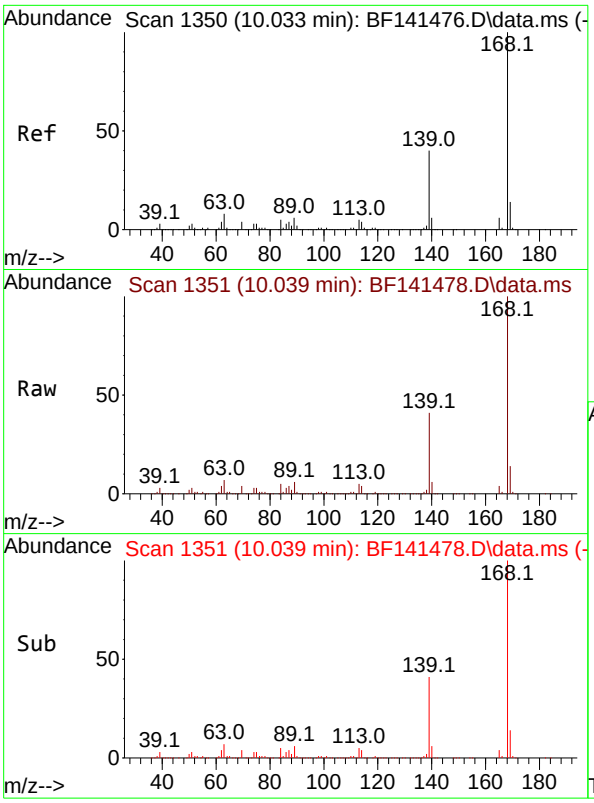




#54
2,4-Dinitrophenol
Concen: 67.432 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:184 Resp: 111060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 73.3 | 61.0 | 91.6 |
| 154 | 70.6 | 59.9 | 89.9 |



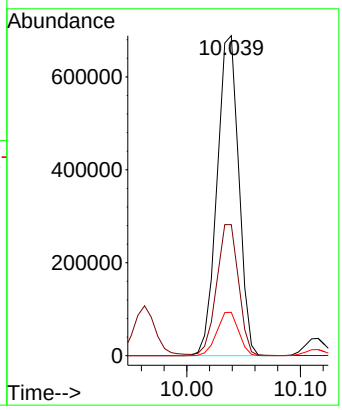


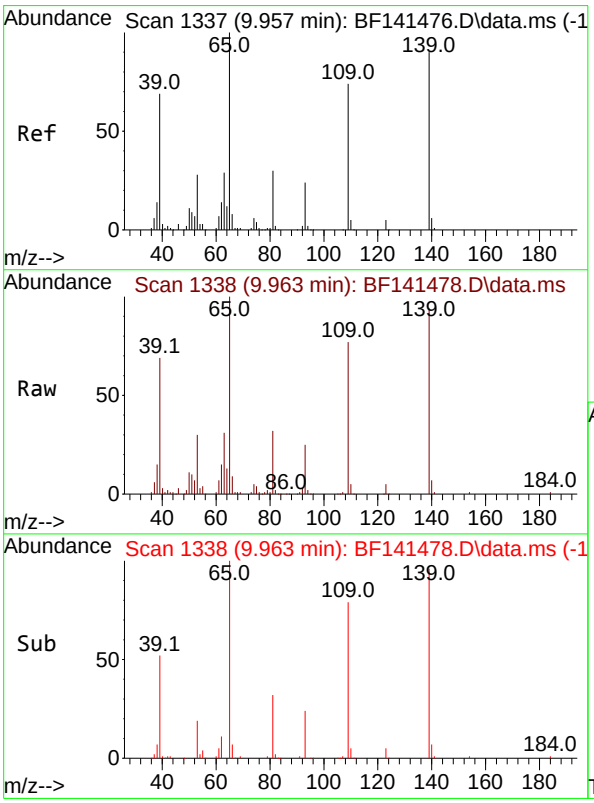

#55
Dibenzofuran
Concen: 58.242 ng
RT: 10.039 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:168 Resp: 915117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.0 | 32.7 | 49.1 |
| 169 | 13.5 | 10.8 | 16.2 |

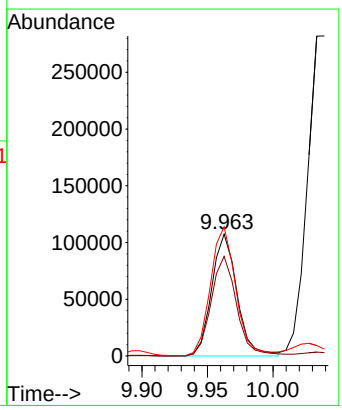


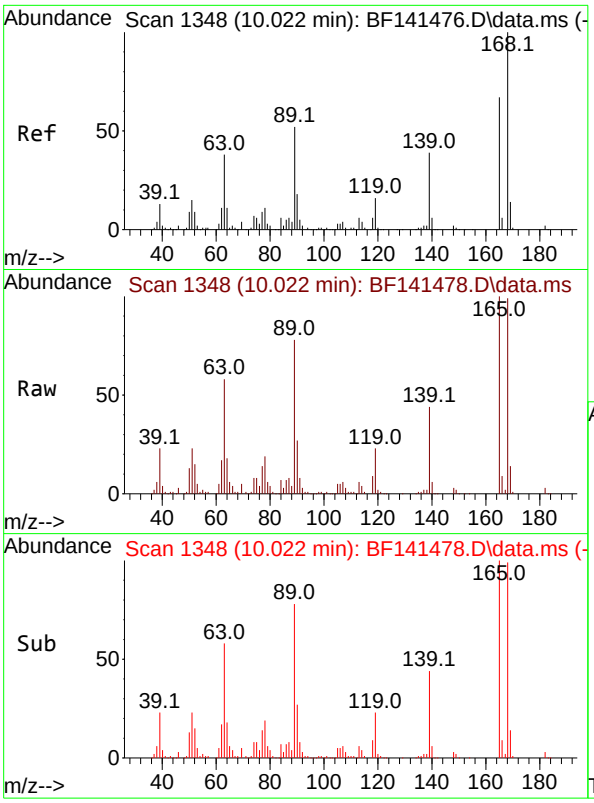




#56
4-Nitrophenol
Concen: 65.035 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:139 Resp: 143994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 81.7 | 62.0 | 102.0 |
| 65 | 106.0 | 91.2 | 131.2 |



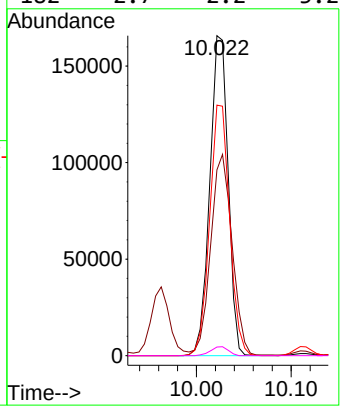


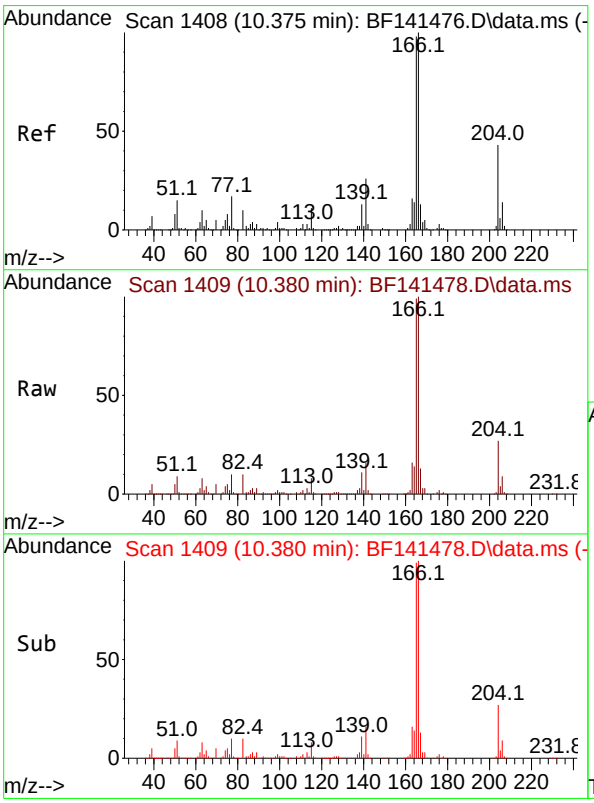

#57
2,4-Dinitrotoluene
Concen: 60.202 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:165 Resp: 222091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 58.1 | 46.4 | 69.6 |
| 89 | 78.3 | 61.8 | 92.6 |
| 182 | 2.7 | 2.2 | 3.2 |

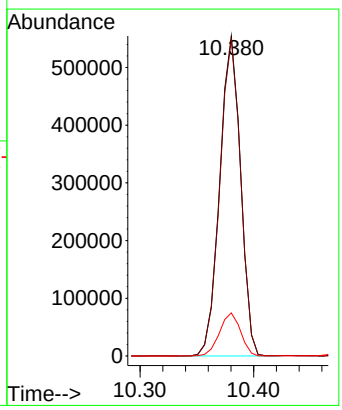


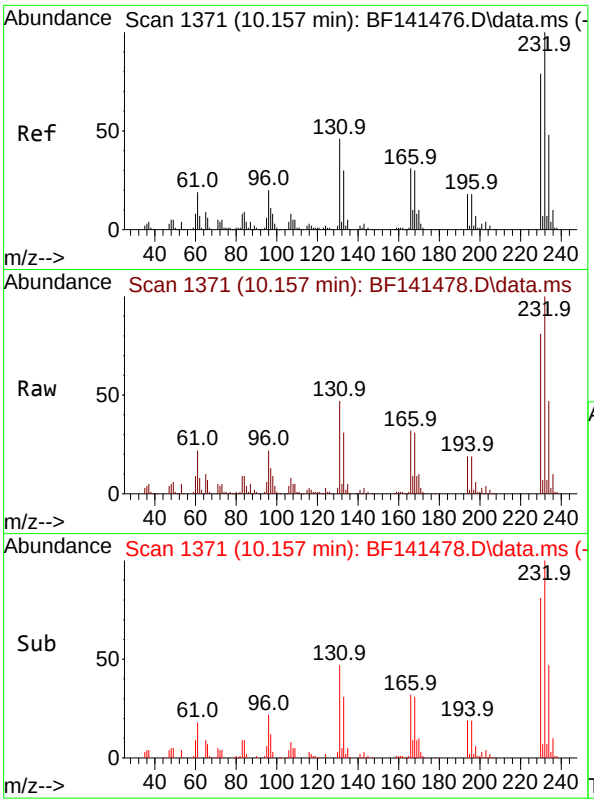




#58
Fluorene
Concen: 58.225 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:166 Resp: 707371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.9 | 78.2 | 117.2 |
| 167 | 13.5 | 10.7 | 16.1 |



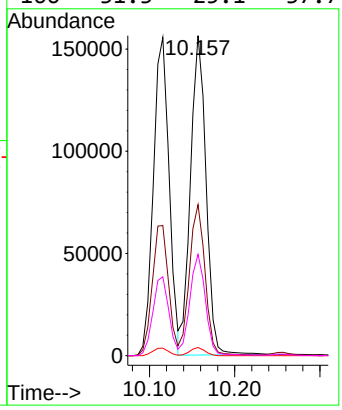


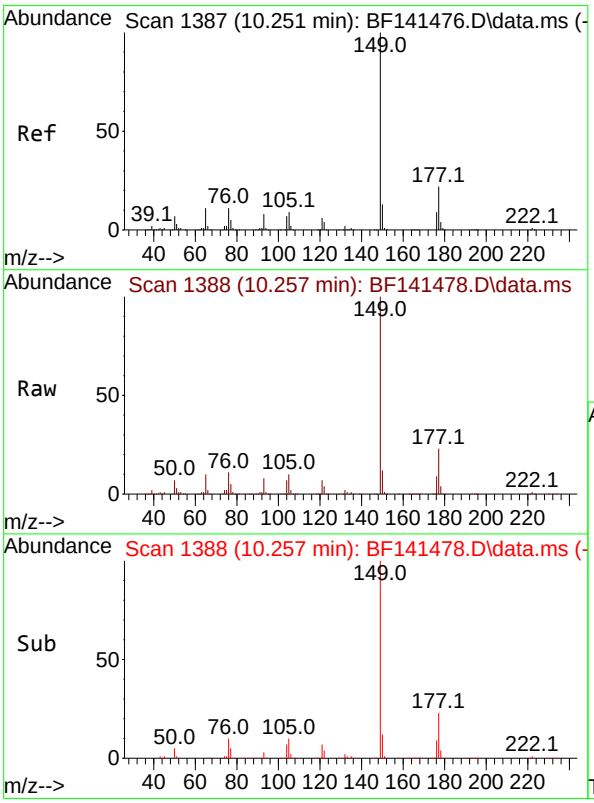

#59
2,3,4,6-Tetrachlorophenol
Concen: 60.972 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:232 Resp: 198636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 47.8 | 39.2 | 58.8 |
| 130 | 2.5 | 2.1 | 3.1 |
| 166 | 31.3 | 25.1 | 37.7 |

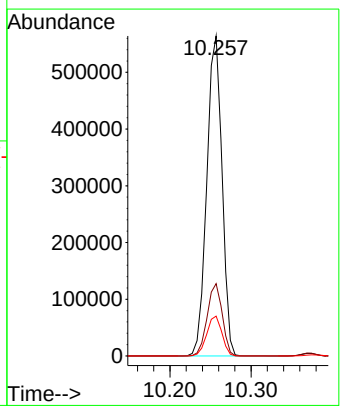


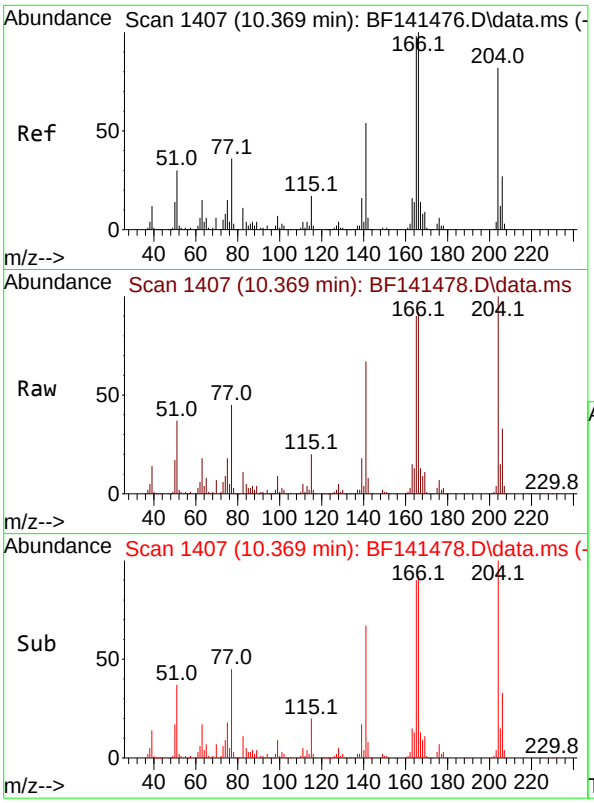




#60
Diethylphthalate
Concen: 58.755 ng
RT: 10.257 min Scan# 1388
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:149 Resp: 732804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.6 | 17.8 | 26.6 |
| 150 | 12.5 | 10.1 | 15.1 |



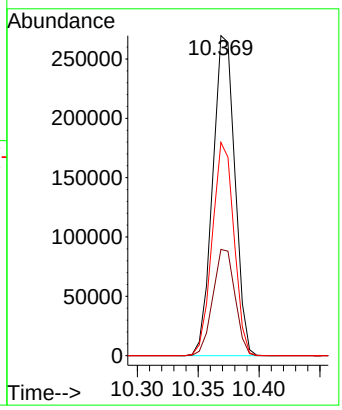


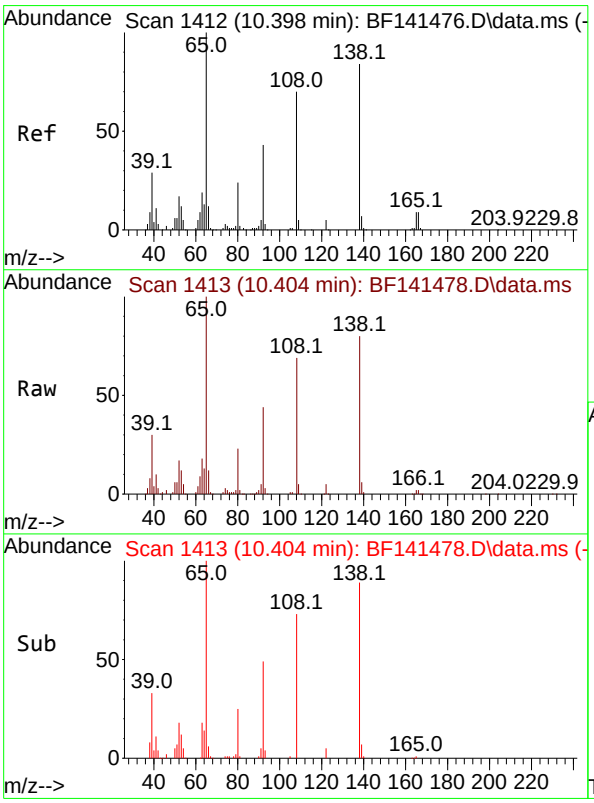

#61
4-Chlorophenyl-phenylether
Concen: 58.570 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:204 Resp: 342324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.2 | 26.6 | 40.0 |
| 141 | 66.7 | 51.9 | 77.9 |

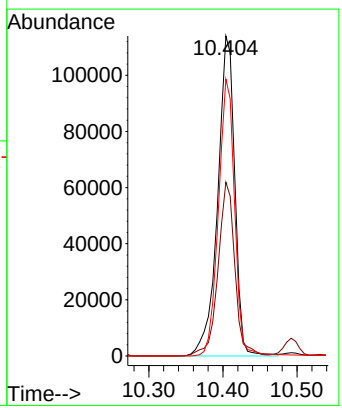


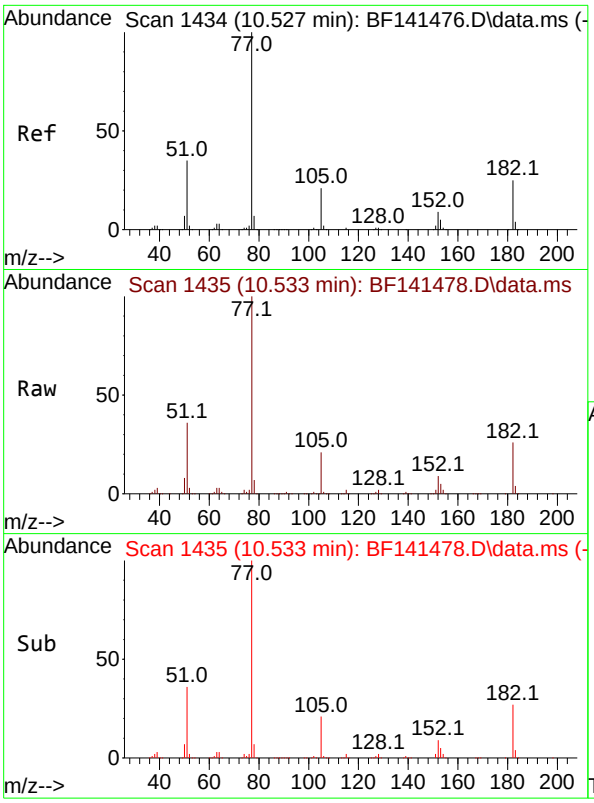




#62
4-Nitroaniline
Concen: 60.406 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:138 Resp: 182946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 54.3 | 31.3 | 71.3 |
| 108 | 86.6 | 63.7 | 103.7 |



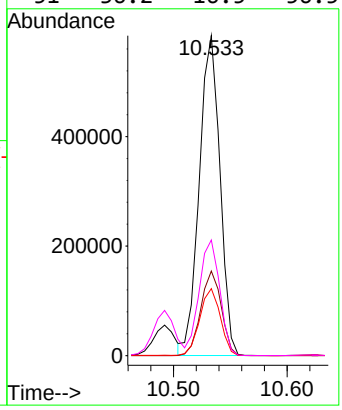


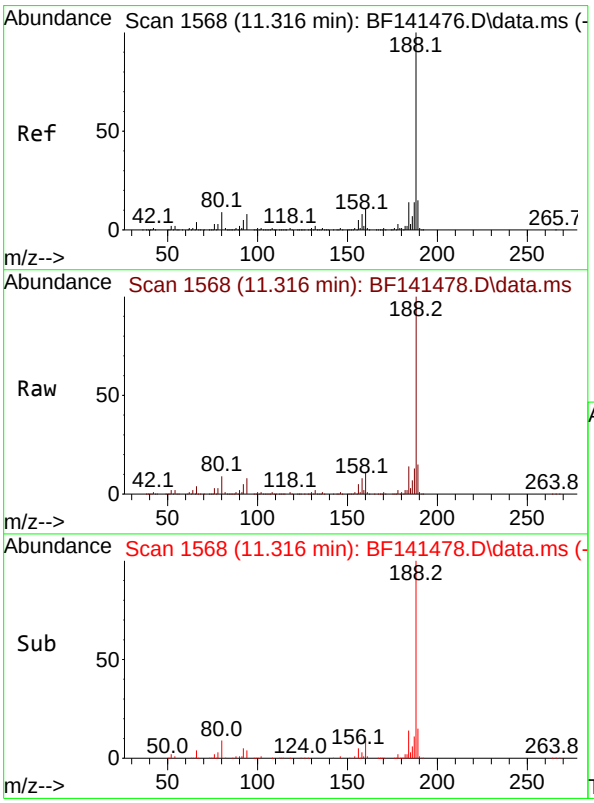

#63
Azobenzene
Concen: 59.629 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 77 Resp: 739338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.5 | 4.7 | 44.7 |
| 105 | 21.0 | 0.4 | 40.4 |
| 51 | 36.2 | 16.5 | 56.5 |

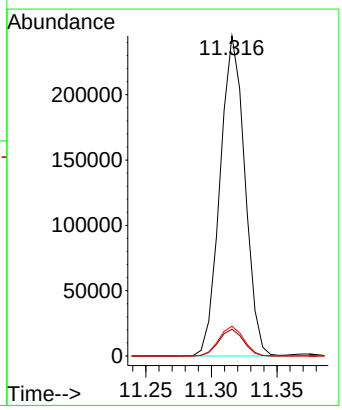


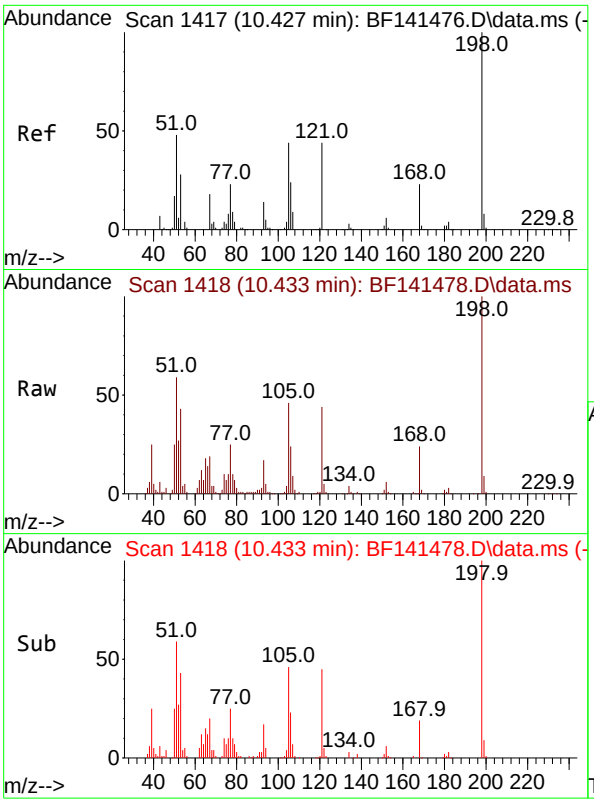




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:188 Resp: 321893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.4 | 6.6 | 10.0 |
| 80 | 9.3 | 7.3 | 10.9 |



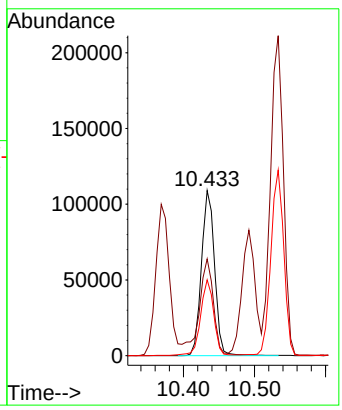


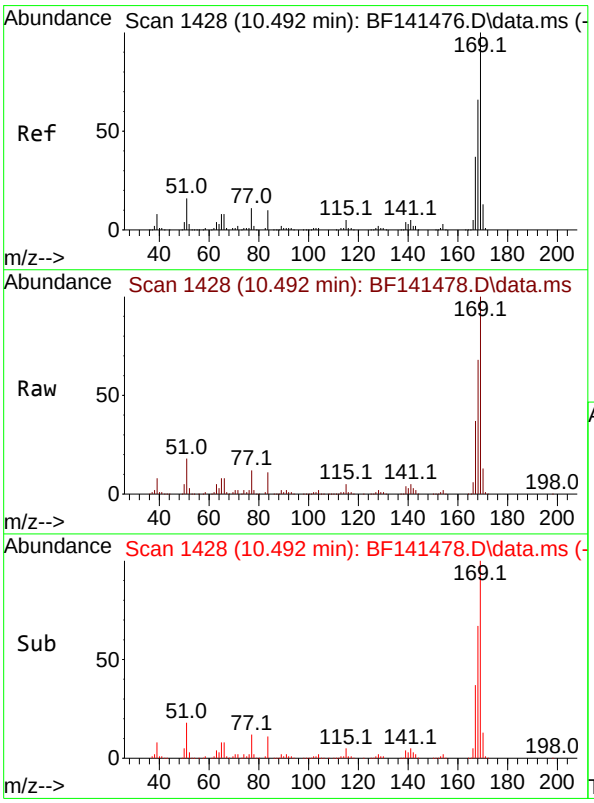

#65
4,6-Dinitro-2-methylphenol
Concen: 62.884 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:198 Resp: 140610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 58.6 | 37.4 | 77.4 |
| 105 | 46.0 | 25.2 | 65.2 |

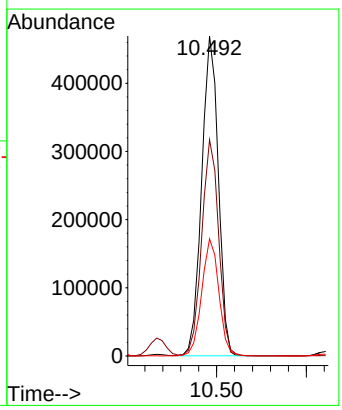


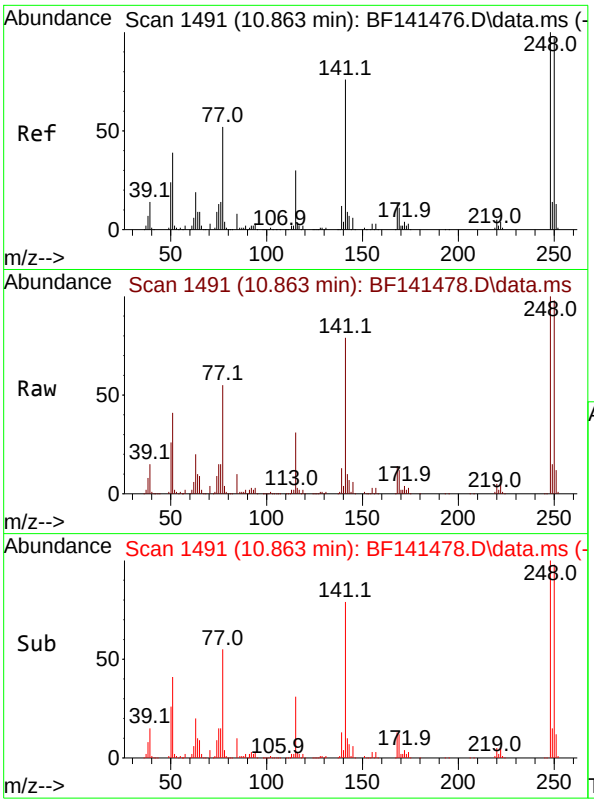




#66
n-Nitrosodiphenylamine
Concen: 58.609 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:169 Resp: 603914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.6 | 53.3 | 79.9 |
| 167 | 36.6 | 29.4 | 44.2 |



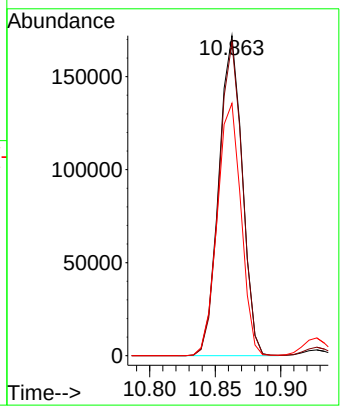


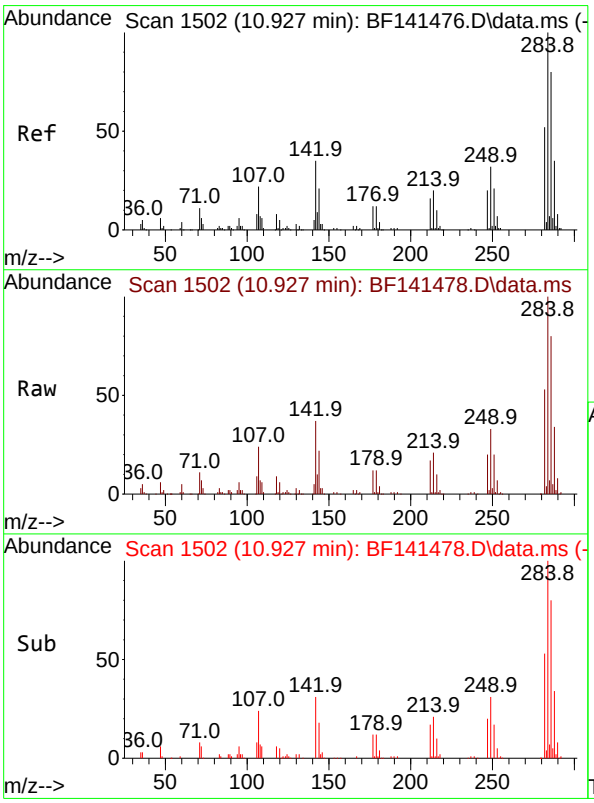

#67
4-Bromophenyl-phenylether
Concen: 59.314 ng
RT: 10.863 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:248 Resp: 213385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.9 | 77.8 | 116.6 |
| 141 | 78.9 | 60.6 | 90.8 |

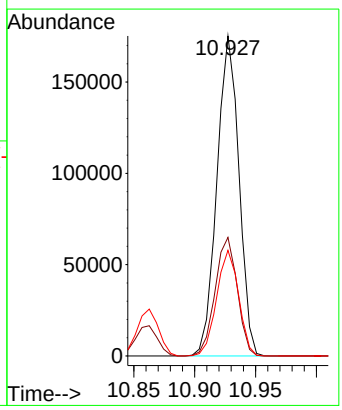


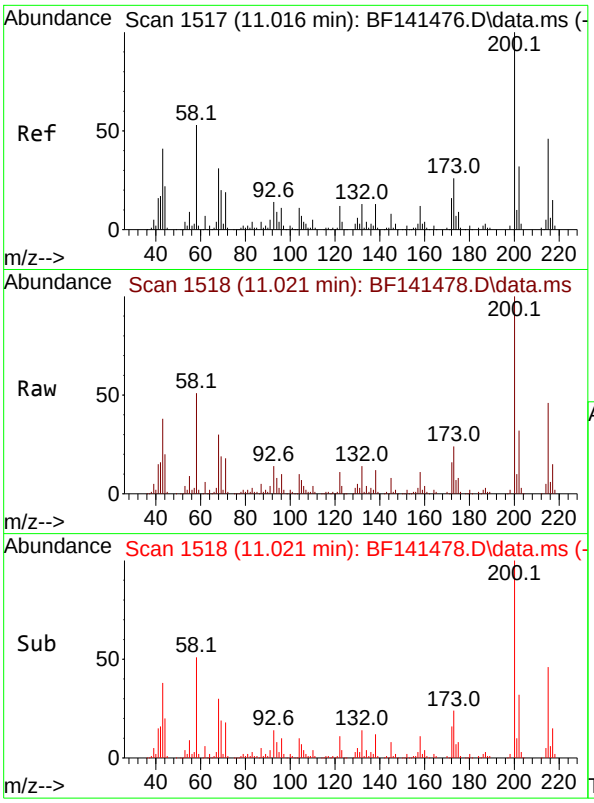




#68
Hexachlorobenzene
Concen: 59.552 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:284 Resp: 220611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 37.0 | 28.0 | 42.0 |
| 249 | 33.0 | 25.8 | 38.8 |



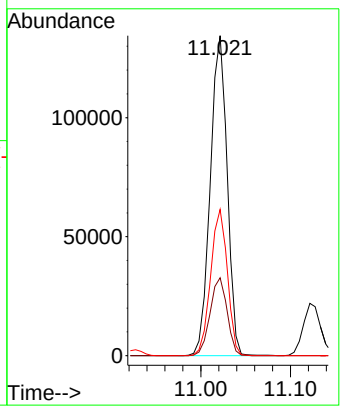


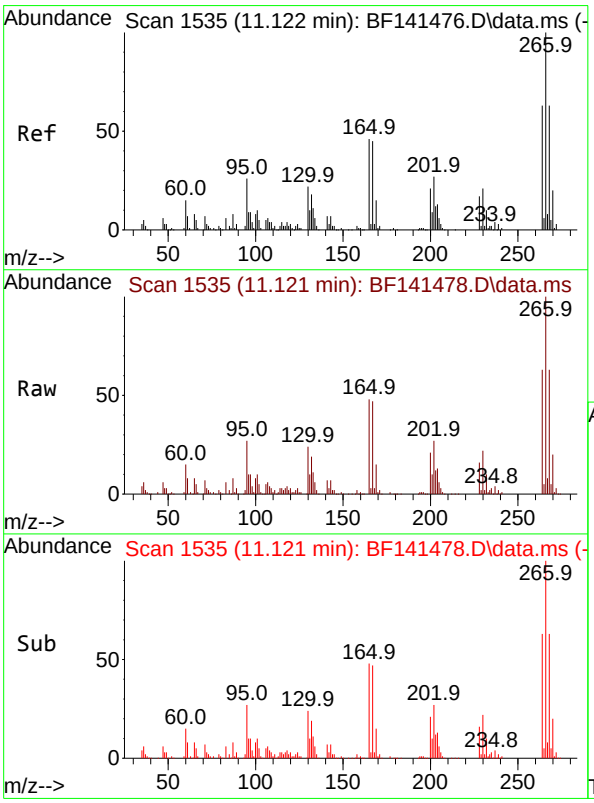

#69
Atrazine
Concen: 56.878 ng
RT: 11.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:200 Resp: 175824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 24.4 | 5.9 | 45.9 |
| 215 | 45.7 | 25.9 | 65.9 |

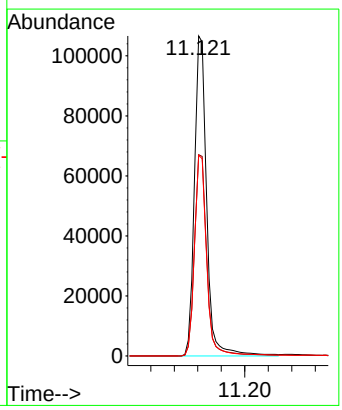


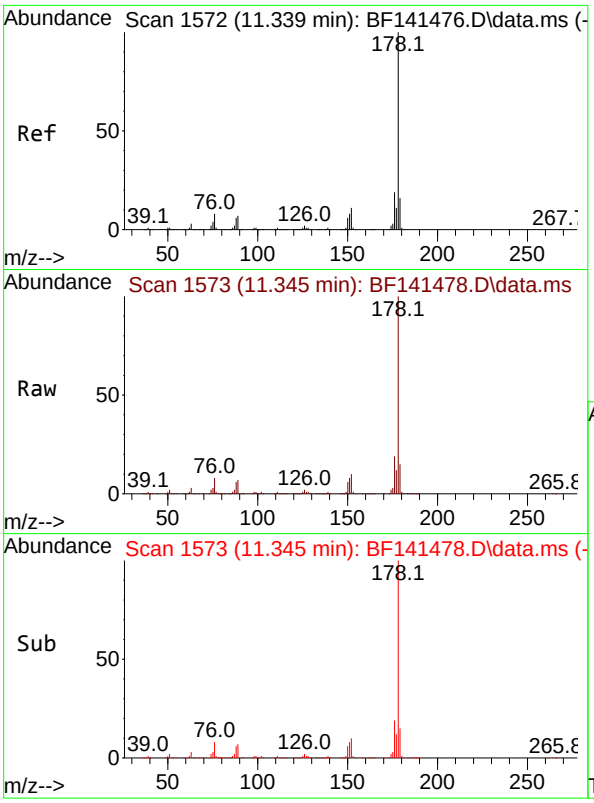




#70
Pentachlorophenol
Concen: 65.001 ng
RT: 11.121 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:266 Resp: 153971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.9 | 50.1 | 75.1 |
| 264 | 62.7 | 50.1 | 75.1 |



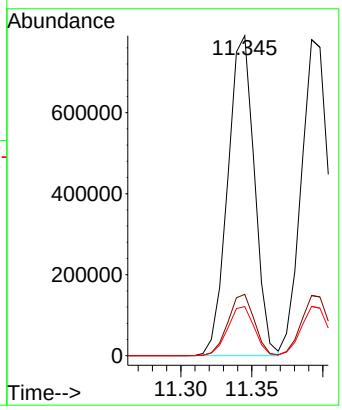


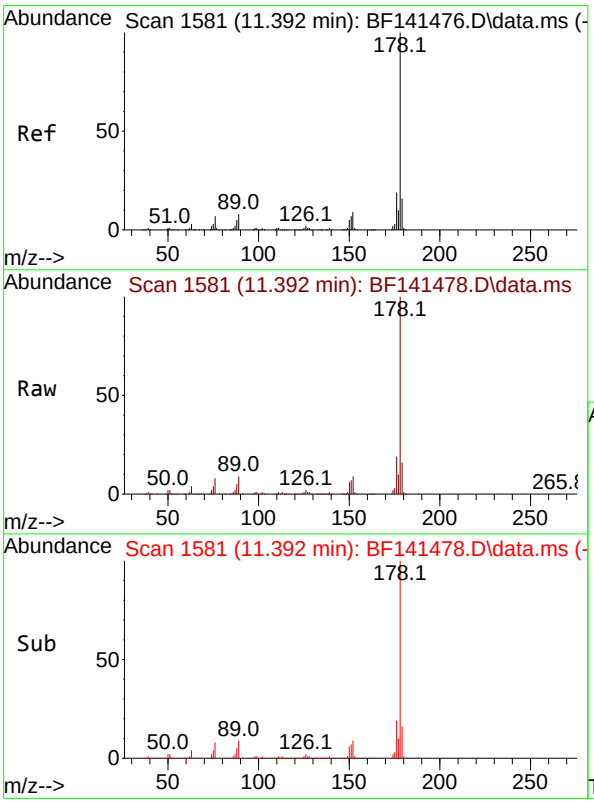

#71
Phenanthrene
Concen: 58.248 ng
RT: 11.345 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:178 Resp: 1032075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.4 | 23.0 |
| 179 | 15.4 | 12.4 | 18.6 |

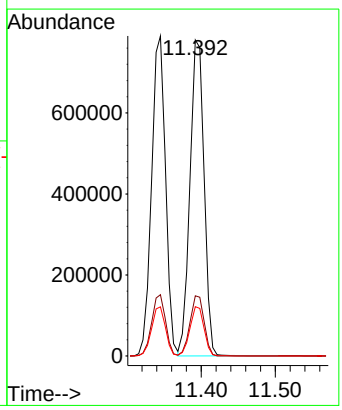


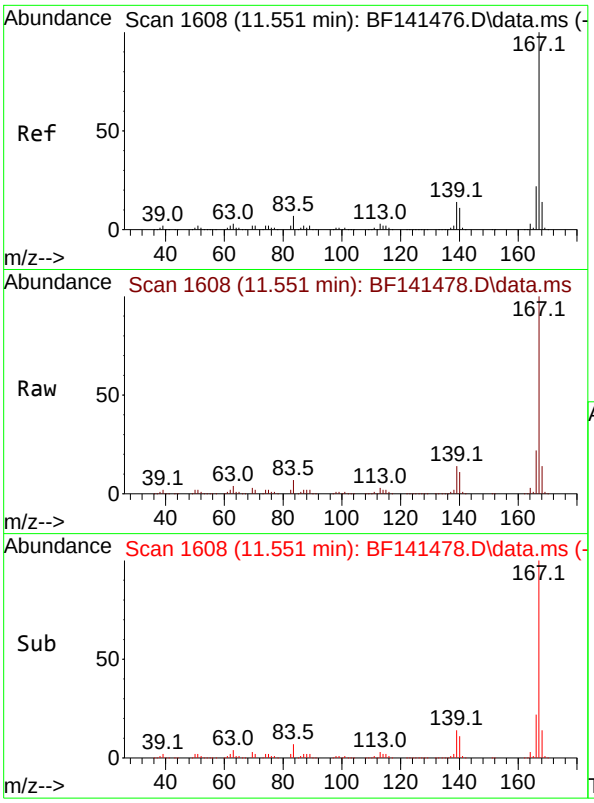




#72
Anthracene
Concen: 58.062 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:178 Resp: 1034181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 14.8 | 22.2 |
| 179 | 15.6 | 12.4 | 18.6 |



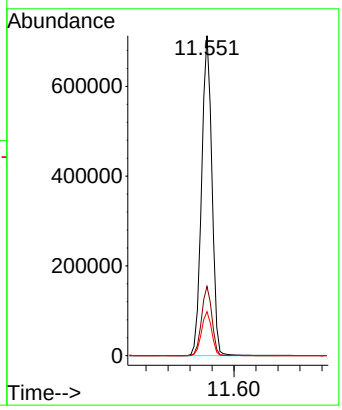


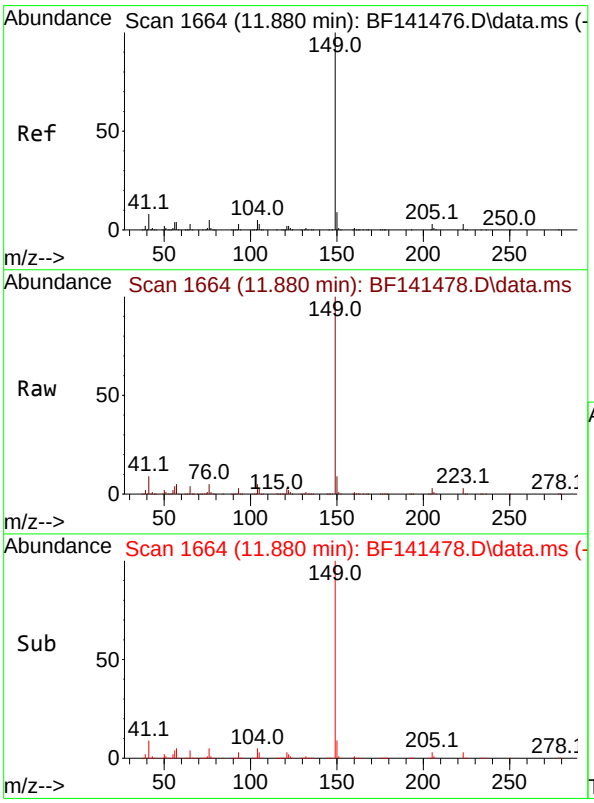

#73
Carbazole
Concen: 57.896 ng
RT: 11.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:167 Resp: 927882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.4 | 26.2 |
| 139 | 13.7 | 10.9 | 16.3 |

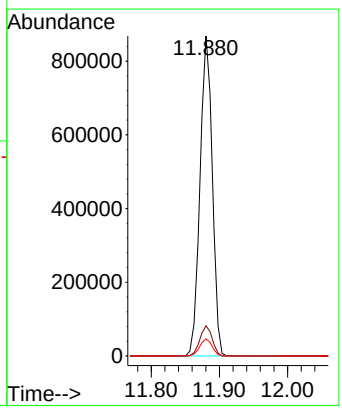


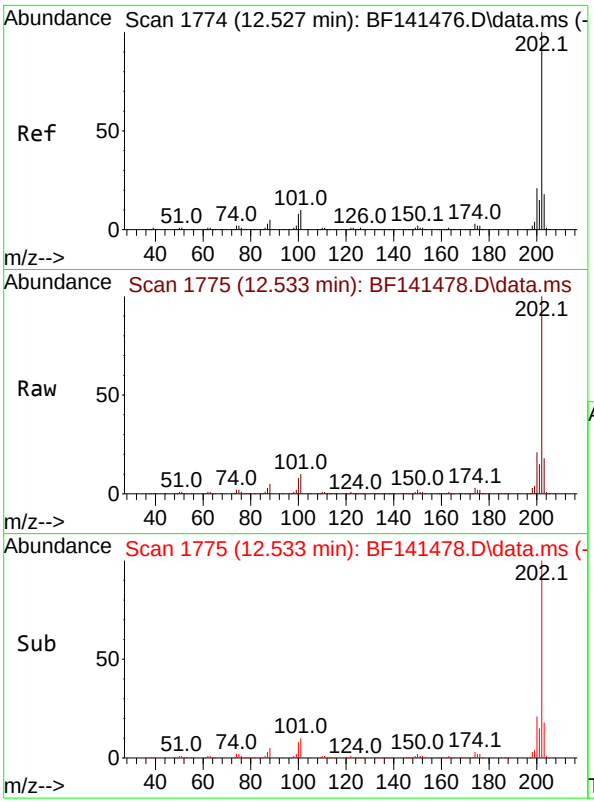




#74
Di-n-butylphthalate
Concen: 58.783 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:149 Resp: 1087815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.4 | 11.0 |
| 104 | 5.4 | 4.2 | 6.2 |



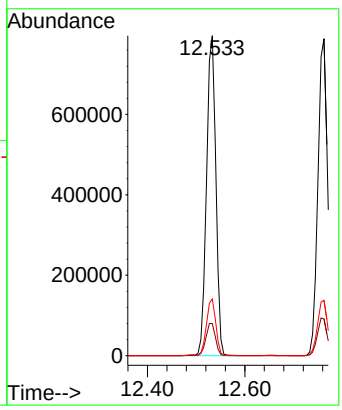


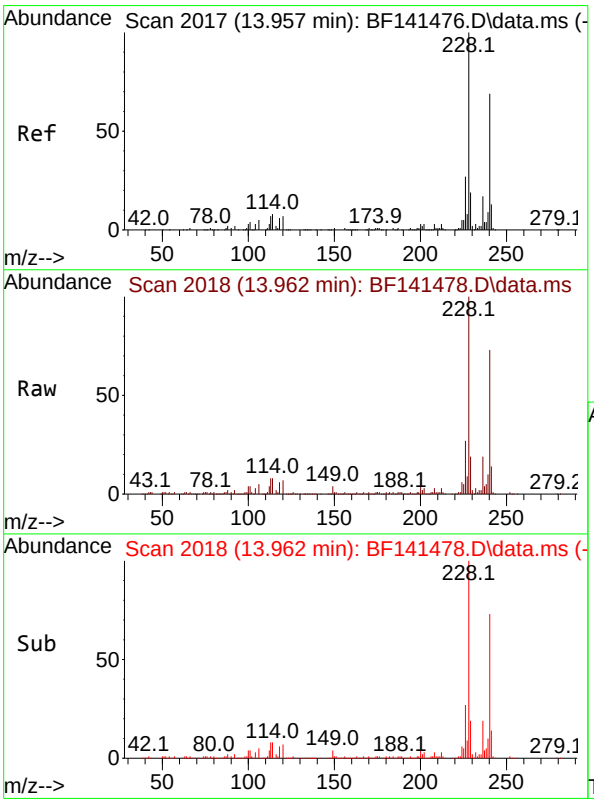

#75
Fluoranthene
Concen: 56.102 ng
RT: 12.533 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:202 Resp: 1053887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.1 | 0.0 | 30.2 |
| 203 | 17.7 | 0.0 | 37.6 |

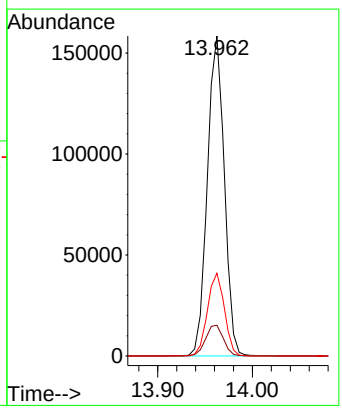


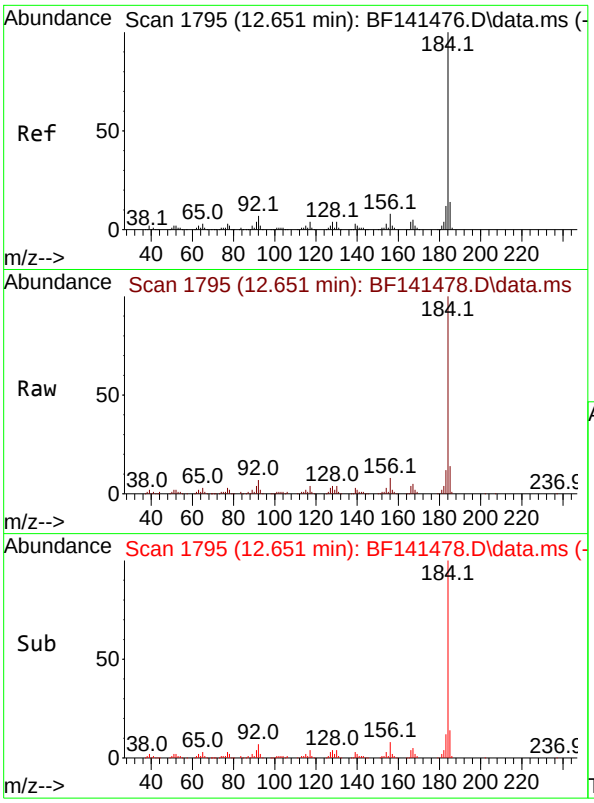




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:240 Resp: 197108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.6 | 8.0 | 12.0 |
| 236 | 25.9 | 19.8 | 29.8 |



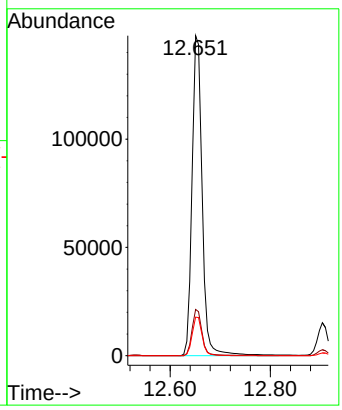


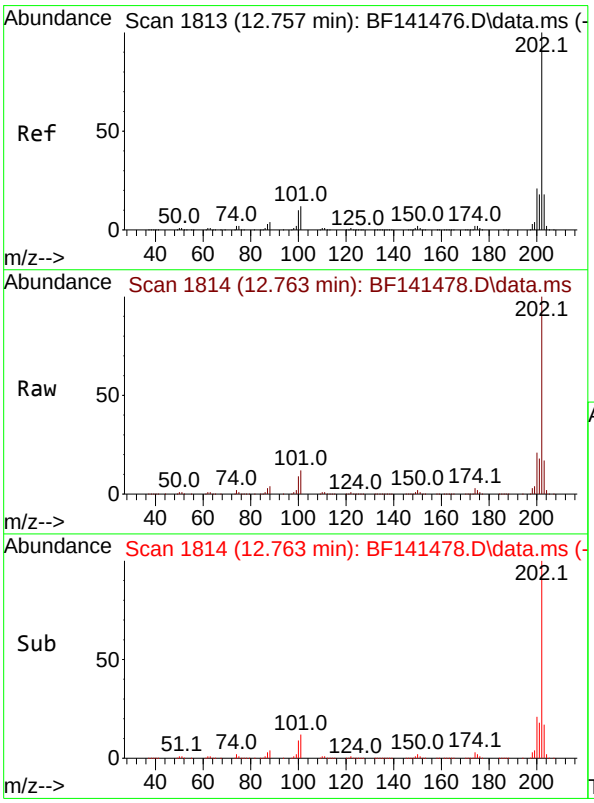

#77
Benzidine
Concen: 47.757 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:184 Resp: 207602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.4 | 11.3 | 16.9 |
| 183 | 12.0 | 9.3 | 13.9 |

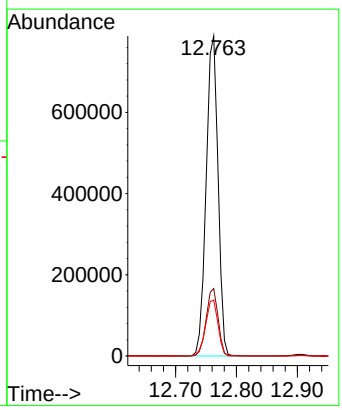


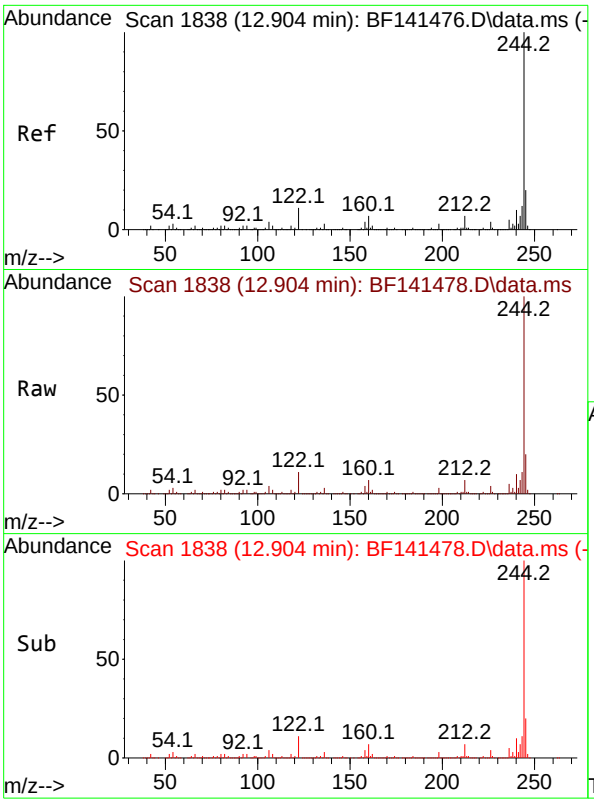




#78
Pyrene
Concen: 63.687 ng
RT: 12.763 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:202 Resp: 1068624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 17.0 | 25.4 |
| 203 | 17.5 | 14.3 | 21.5 |



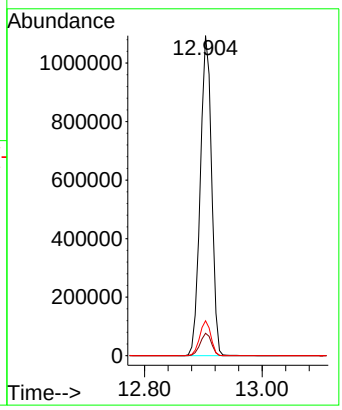


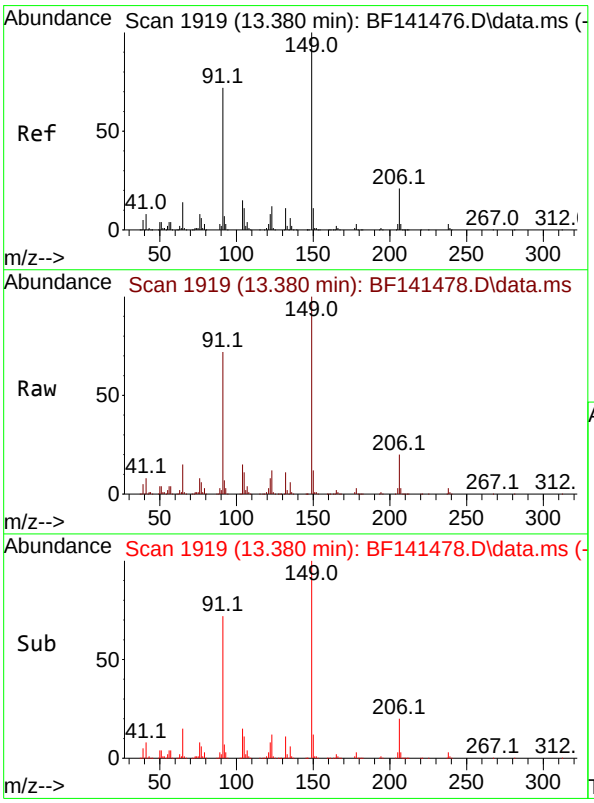

#79
Terphenyl-d14
Concen: 124.977 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:244 Resp: 1459213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.6 | 8.4 |
| 122 | 10.9 | 8.4 | 12.6 |

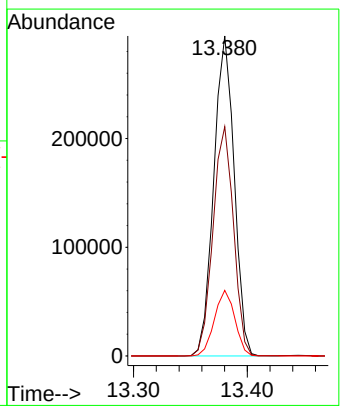


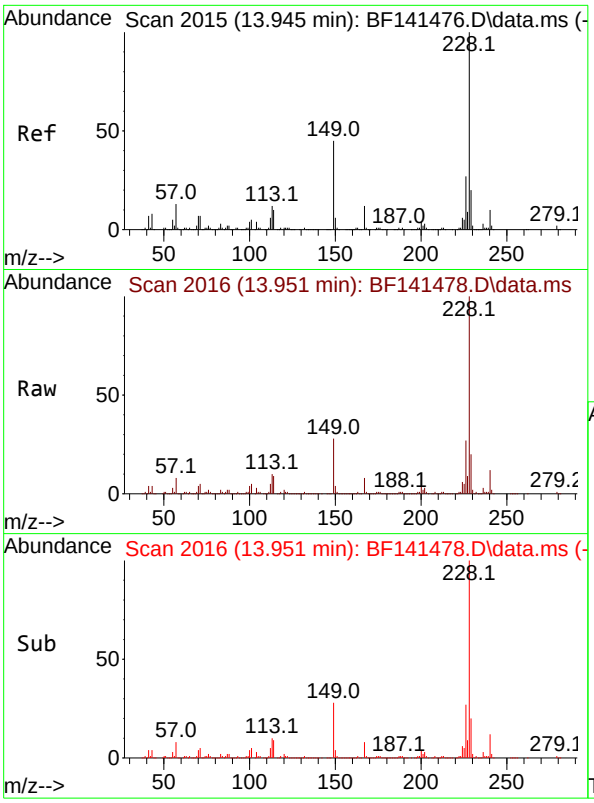




#80
Butylbenzylphthalate
Concen: 63.357 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:149 Resp: 368219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 71.7 | 57.8 | 86.8 |
| 206 | 20.5 | 16.7 | 25.1 |



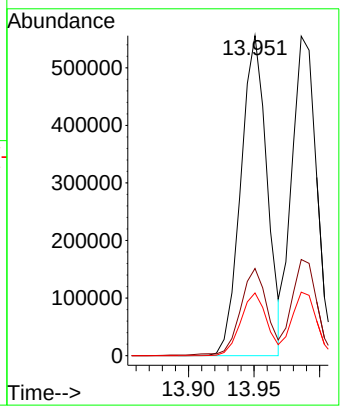


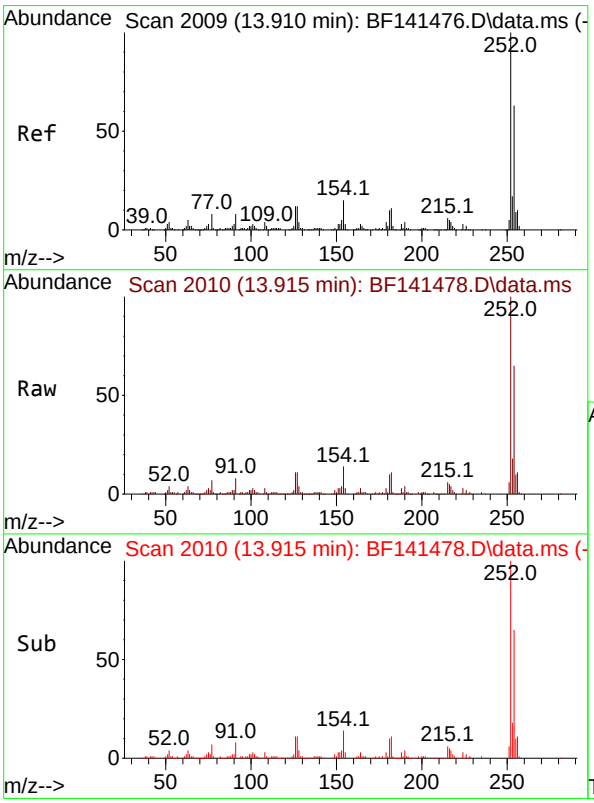

#81
Benzo(a)anthracene
Concen: 59.097 ng
RT: 13.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:228 Resp: 774318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.2 | 21.8 | 32.8 |
| 229 | 19.6 | 15.8 | 23.6 |

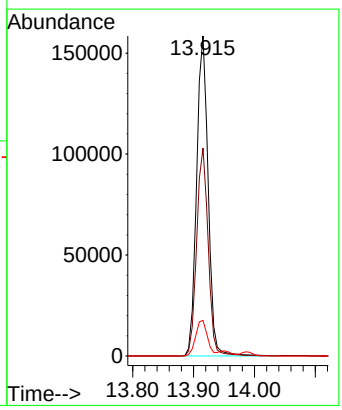


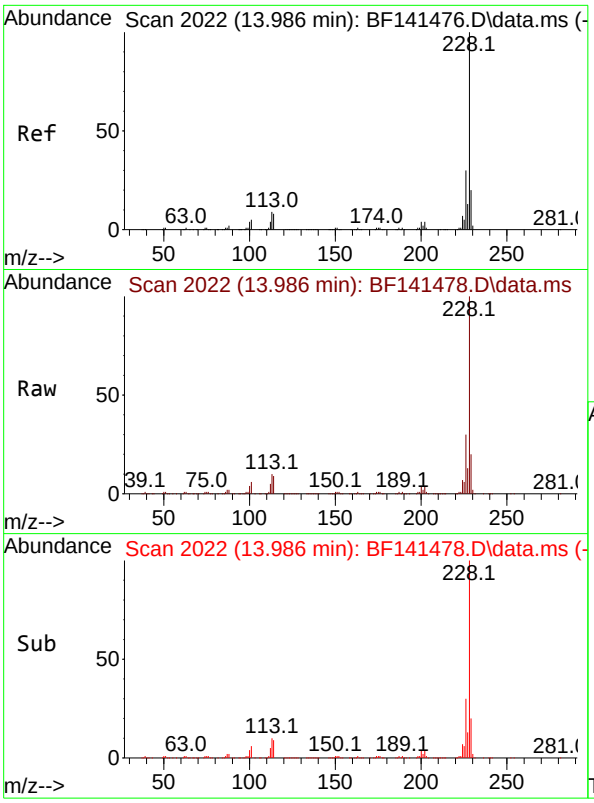




#82
3,3'-Dichlorobenzidine
Concen: 55.639 ng
RT: 13.915 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:252 Resp: 208826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.0 | 50.6 | 76.0 |
| 126 | 11.1 | 9.3 | 13.9 |



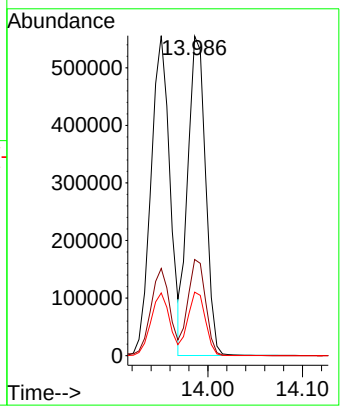


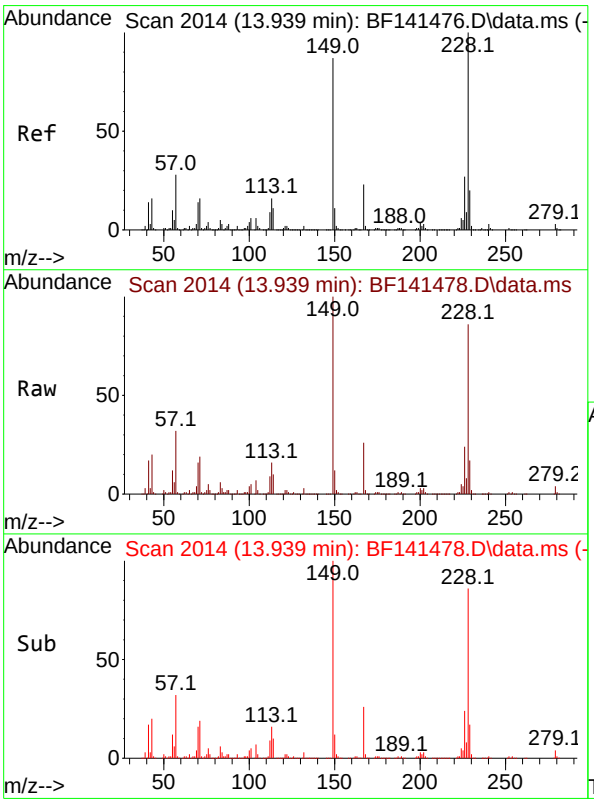

#83
Chrysene
Concen: 59.829 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:228 Resp: 723815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.0 | 36.0 |
| 229 | 19.9 | 15.7 | 23.5 |

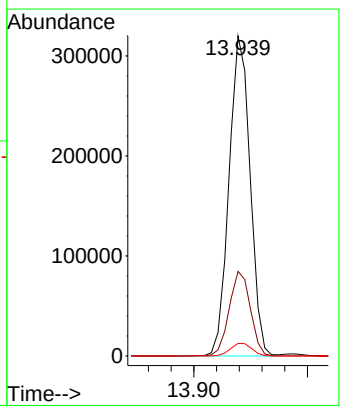


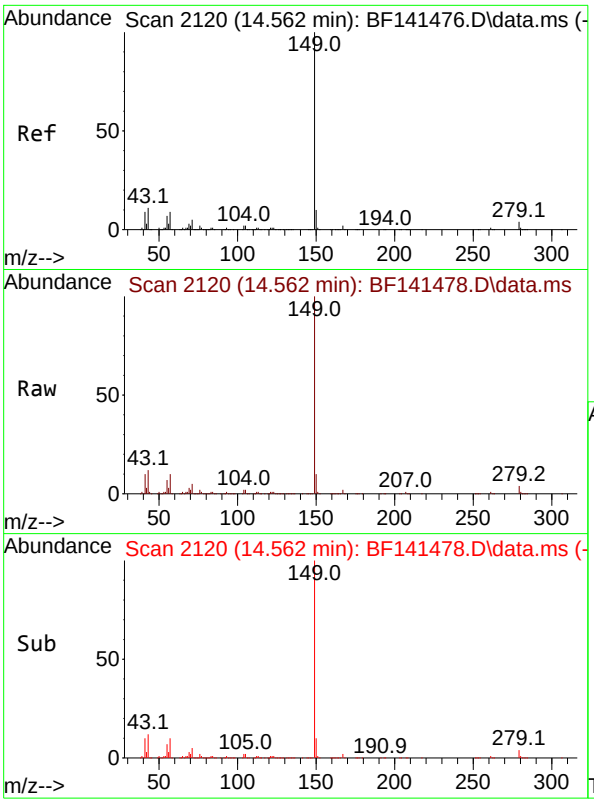




#84
Bis(2-ethylhexyl)phthalate
Concen: 62.851 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:149 Resp: 411979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.4 | 21.4 | 32.0 |
| 279 | 3.9 | 3.1 | 4.7 |



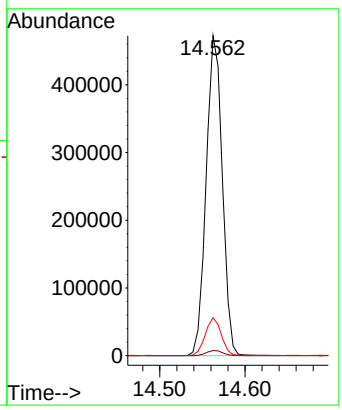


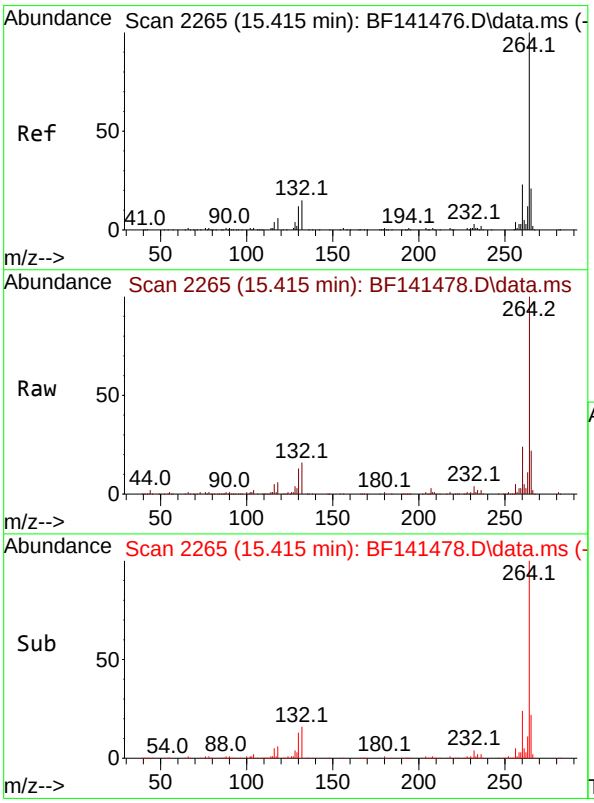

#85
Di-n-octyl phthalate
Concen: 66.464 ng
RT: 14.562 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:149 Resp: 621505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 11.7 | 9.5 | 14.3 |

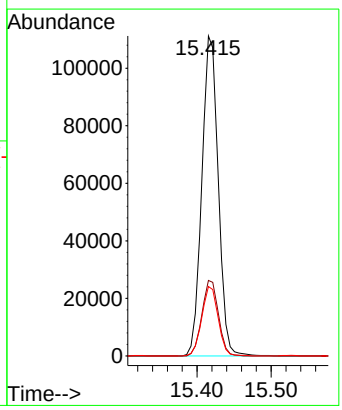


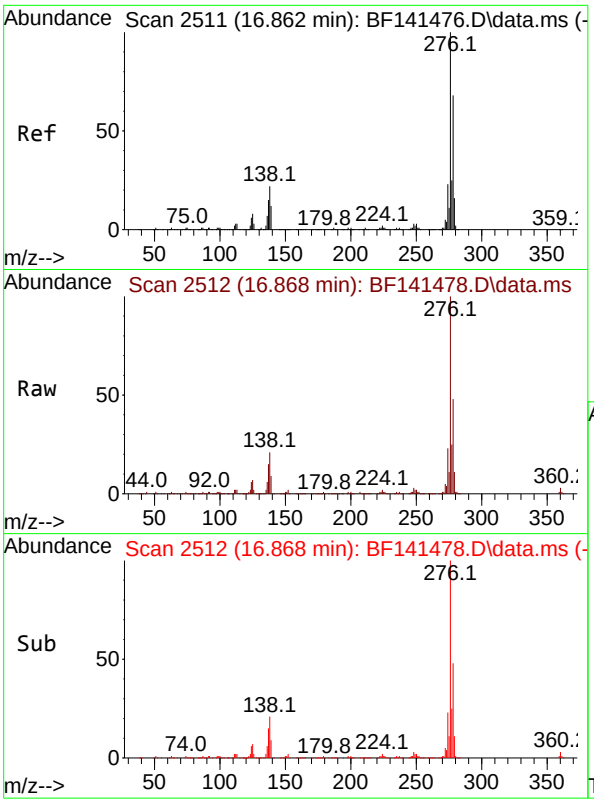




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:264 Resp: 171026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.6 | 28.0 |
| 265 | 21.7 | 17.0 | 25.4 |



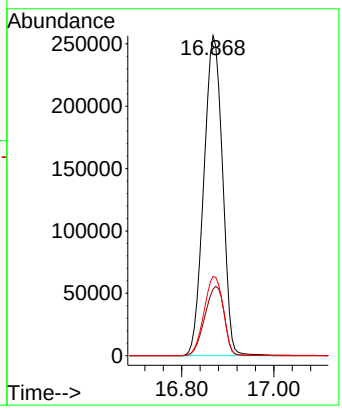


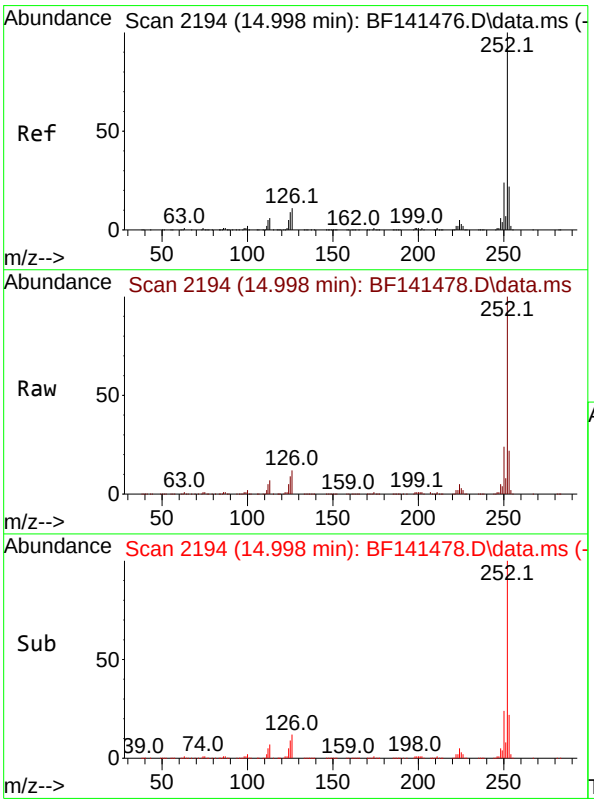

#87
Indeno(1,2,3-cd)pyrene
Concen: 68.464 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:276 Resp: 723493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.6 | 18.0 | 27.0 |
| 277 | 25.5 | 20.4 | 30.6 |

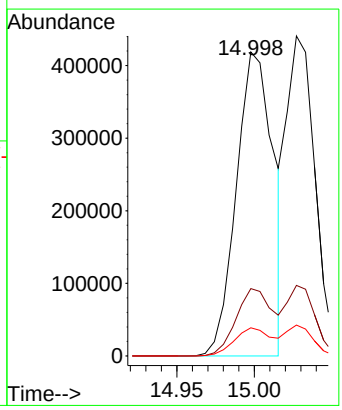


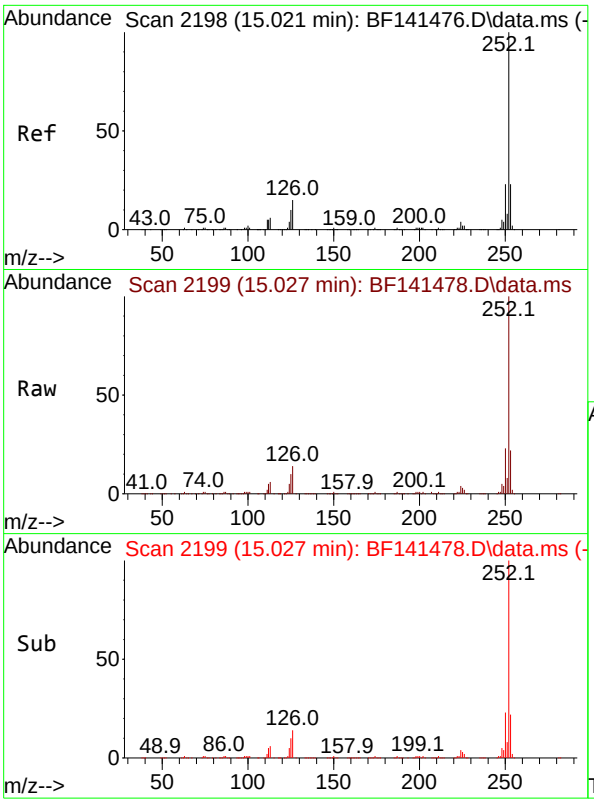




#88
Benzo(b)fluoranthene
Concen: 60.575 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:252 Resp: 695617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.5 | 26.3 |
| 125 | 9.3 | 7.0 | 10.6 |



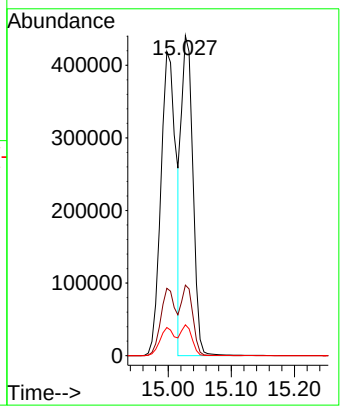


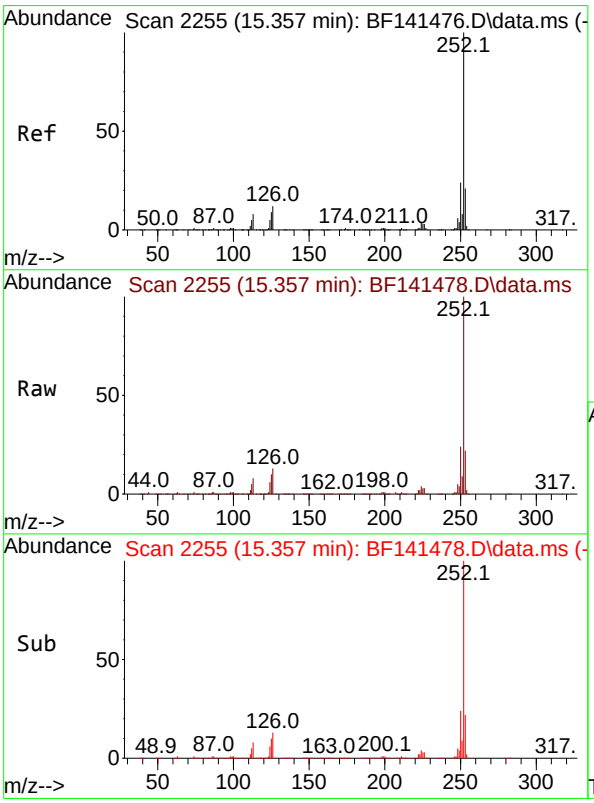

#89
Benzo(k)fluoranthene
Concen: 57.449 ng
RT: 15.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:252 Resp: 563342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 18.0 | 27.0 |
| 125 | 9.6 | 7.4 | 11.0 |

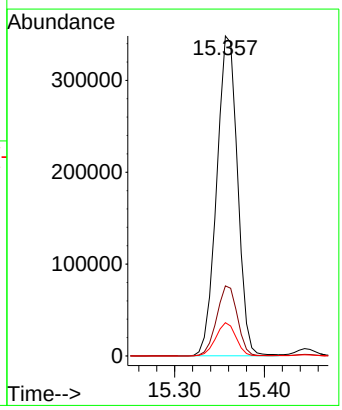


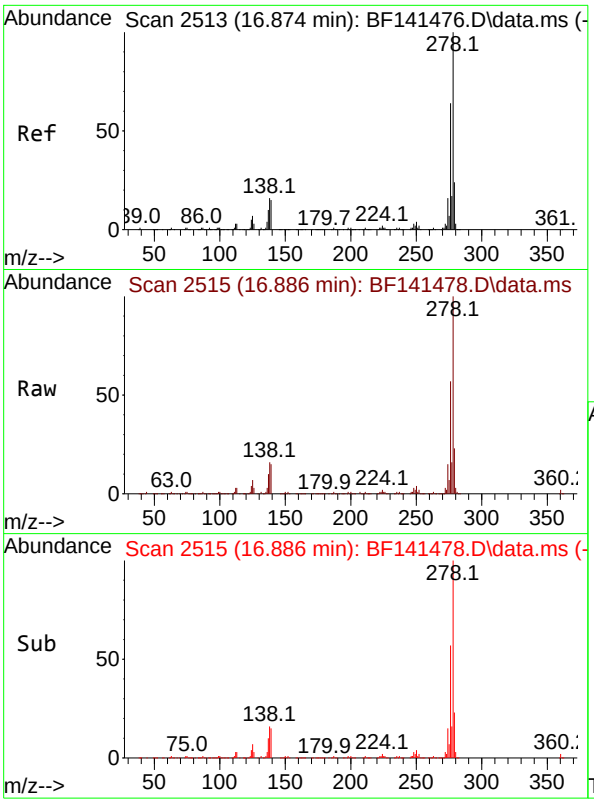




#90
Benzo(a)pyrene
Concen: 60.423 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:252 Resp: 561457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.1 | 25.7 |
| 125 | 10.4 | 7.4 | 11.2 |



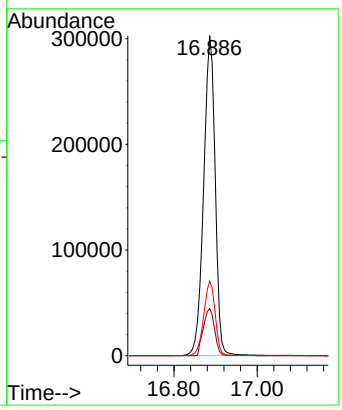


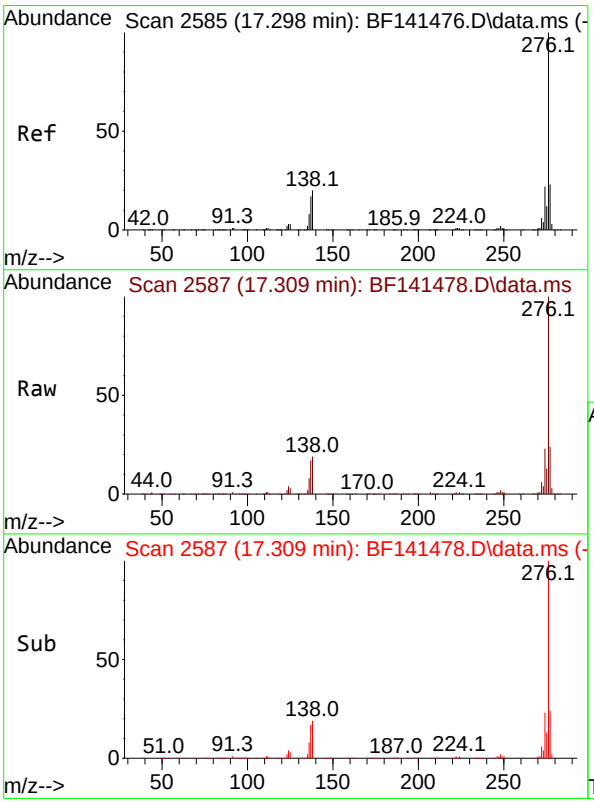

#91
Dibenzo(a,h)anthracene
Concen: 68.216 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:278 Resp: 584115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.8 | 11.8 | 17.6 |
| 279 | 23.4 | 19.1 | 28.7 |

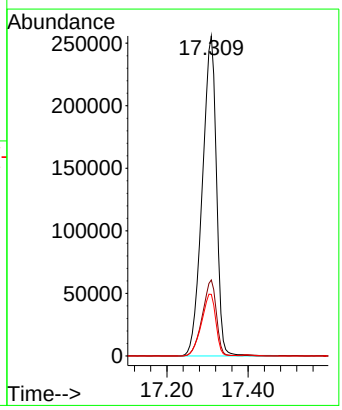



#92
Benzo(g,h,i)perylene
Concen: 68.884 ng
RT: 17.309 min Scan# 2587
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:276 Resp: 617241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 18.6 | 28.0 |
| 138 | 19.3 | 15.9 | 23.9 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141479.D
Acq On : 06 Feb 2025 14:14
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Feb 06 16:01:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.792 | 152 | 90415 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.075 | 136 | 341252 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.833 | 164 | 186230 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.316 | 188 | 312902 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.962 | 240 | 184347 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.415 | 264 | 170605 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.410 | 112 | 878184 | 152.272 | ng | | 0.00 |
| 7) Phenol-d6 | 6.439 | 99 | 1112281 | 152.591 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.363 | 82 | 1048314 | 160.228 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.627 | 330 | 291947 | 156.058 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.151 | 172 | 1789795 | 148.066 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.904 | 244 | 1781602 | 163.152 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.481 | 88 | 181328 | 78.119 | ng | | 99 |
| 3) Pyridine | 3.216 | 79 | 435462 | 78.838 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.187 | 42 | 301403 | 82.409 | ng | | 97 |
| 6) Aniline | 6.463 | 93 | 498556 | 72.913 | ng | | 94 |
| 8) 2-Chlorophenol | 6.586 | 128 | 470975 | 75.577 | ng | | 99 |
| 10) Phenol | 6.457 | 94 | 567332 | 74.779 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.534 | 93 | 454141 | 79.695 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.734 | 146 | 494180 | 75.115 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.810 | 146 | 498585 | 74.175 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.963 | 146 | 464559 | 74.465 | ng | | 99 |
| 15) Benzyl Alcohol | 6.939 | 79 | 420673 | 75.258 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.069 | 45 | 708318 | 72.613 | ng | | 77 |
| 17) 2-Methylphenol | 7.057 | 107 | 370173 | 75.912 | ng | | 97 |
| 18) Hexachloroethane | 7.304 | 117 | 190062 | 76.402 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.216 | 70 | 328097 | 75.249 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.216 | 107 | 450046 | 72.613 | ng | # | 88 |
| 22) Acetophenone | 7.210 | 105 | 652334 | 76.846 | ng | | 98 |
| 24) Nitrobenzene | 7.381 | 77 | 513249 | 80.448 | ng | | 98 |
| 25) Isophorone | 7.622 | 82 | 838076 | 80.337 | ng | | 99 |
| 26) 2-Nitrophenol | 7.692 | 139 | 261386 | 82.350 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.733 | 122 | 300036 | 80.915 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.828 | 93 | 529442 | 79.203 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.939 | 162 | 399027 | 79.645 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.016 | 180 | 428656 | 78.568 | ng | | 99 |
| 31) Naphthalene | 8.098 | 128 | 1381453 | 77.769 | ng | | 100 |
| 32) Benzoic acid | 7.892 | 122 | 335418 | 87.086 | ng | | 98 |
| 33) 4-Chloroaniline | 8.157 | 127 | 504834 | 81.400 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.210 | 225 | 257532 | 78.628 | ng | | 100 |
| 35) Caprolactam | 8.545 | 113 | 125619 | 82.350 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 8.639 | 107 | 441925 | 79.630 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.786 | 142 | 889774 | 76.975 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.886 | 142 | 861860 | 76.983 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.951 | 216 | 418579 | 77.689 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.939 | 237 | 159430 | 88.965 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.069 | 196 | 277156 | 79.591 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 9.116 | 196 | 298856 | 79.189 | ng | | 98 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141479.D
Acq On : 06 Feb 2025 14:14
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Feb 06 16:01:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 9.257 | 154 | 1100720 | 76.237 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.280 | 162 | 821334 | 76.929 | ng | 99 |
| 48) 2-Nitroaniline | 9.380 | 65 | 286532 | 79.969 | ng | 97 |
| 49) Acenaphthylene | 9.692 | 152 | 1211515 | 76.291 | ng | 99 |
| 50) Dimethylphthalate | 9.563 | 163 | 1002121 | 79.265 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.622 | 165 | 215853 | 78.101 | ng | 94 |
| 52) Acenaphthene | 9.869 | 154 | 819818 | 76.791 | ng | 99 |
| 53) 3-Nitroaniline | 9.792 | 138 | 235511 | 79.173 | ng | 97 |
| 54) 2,4-Dinitrophenol | 9.904 | 184 | 147768 | 89.960 | ng | 95 |
| 55) Dibenzofuran | 10.039 | 168 | 1174157 | 74.928 | ng | 100 |
| 56) 4-Nitrophenol | 9.969 | 139 | 187131 | 84.744 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 10.027 | 165 | 284954 | 77.449 | ng | 95 |
| 58) Fluorene | 10.380 | 166 | 909704 | 75.080 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.163 | 232 | 253454 | 78.006 | ng | 98 |
| 60) Diethylphthalate | 10.257 | 149 | 945293 | 75.995 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.374 | 204 | 435522 | 74.716 | ng | 99 |
| 62) 4-Nitroaniline | 10.416 | 138 | 241257 | 79.873 | ng | 99 |
| 63) Azobenzene | 10.533 | 77 | 963689 | 77.931 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.439 | 198 | 185427 | 85.309 | ng | 99 |
| 66) n-Nitrosodiphenylamine | 10.498 | 169 | 785313 | 78.404 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248 | 276228 | 78.988 | ng | 96 |
| 68) Hexachlorobenzene | 10.927 | 284 | 285111 | 79.174 | ng | 97 |
| 69) Atrazine | 11.021 | 200 | 219923 | 73.188 | ng | 100 |
| 70) Pentachlorophenol | 11.127 | 266 | 200556 | 87.100 | ng | 99 |
| 71) Phenanthrene | 11.345 | 178 | 1312474 | 76.201 | ng | 100 |
| 72) Anthracene | 11.398 | 178 | 1322462 | 76.380 | ng | 99 |
| 73) Carbazole | 11.551 | 167 | 1168253 | 74.989 | ng | 99 |
| 74) Di-n-butylphthalate | 11.880 | 149 | 1382706 | 76.865 | ng | 99 |
| 75) Fluoranthene | 12.533 | 202 | 1333237 | 73.011 | ng | 100 |
| 77) Benzidine | 12.657 | 184 | 354555 | 87.207 | ng | 99 |
| 78) Pyrene | 12.763 | 202 | 1319554 | 84.086 | ng | 100 |
| 80) Butylbenzylphthalate | 13.380 | 149 | 459803 | 84.592 | ng | 100 |
| 81) Benzo(a)anthracene | 13.951 | 228 | 943291 | 76.977 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.915 | 252 | 263773 | 75.143 | ng | 100 |
| 83) Chrysene | 13.992 | 228 | 906415 | 80.108 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.939 | 149 | 517884 | 84.477 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.562 | 149 | 803601 | 91.886 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.874 | 276 | 961023 | 91.166 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.004 | 252 | 865205 | 75.529 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.033 | 252 | 776323 | 79.364 | ng | 99 |
| 90) Benzo(a)pyrene | 15.362 | 252 | 742932 | 80.150 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.892 | 278 | 773684 | 90.578 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.315 | 276 | 831418 | 93.015 | ng | 99 |

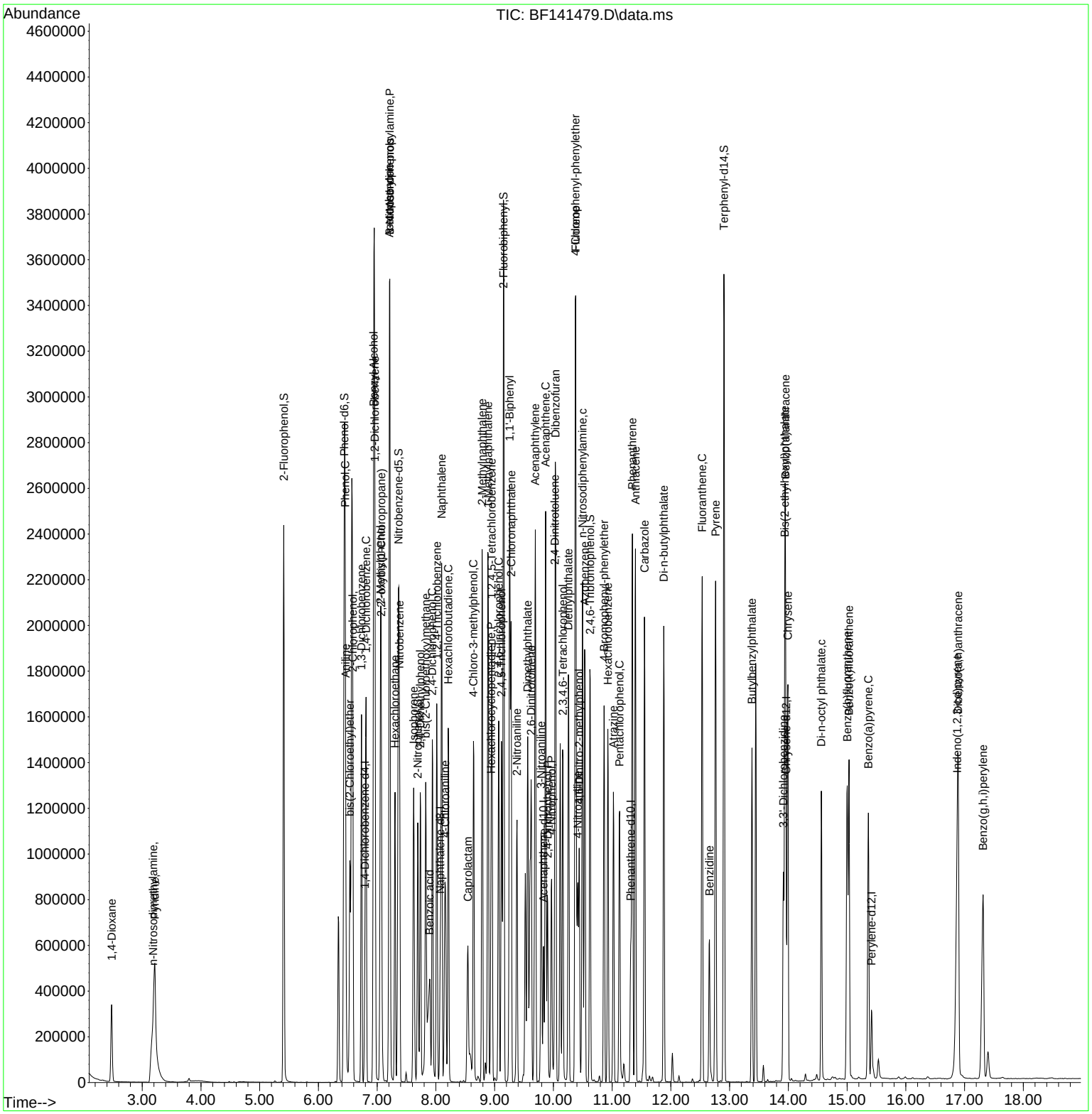
(#) = qualifier out of range (m) = manual integration (+) = signals summed

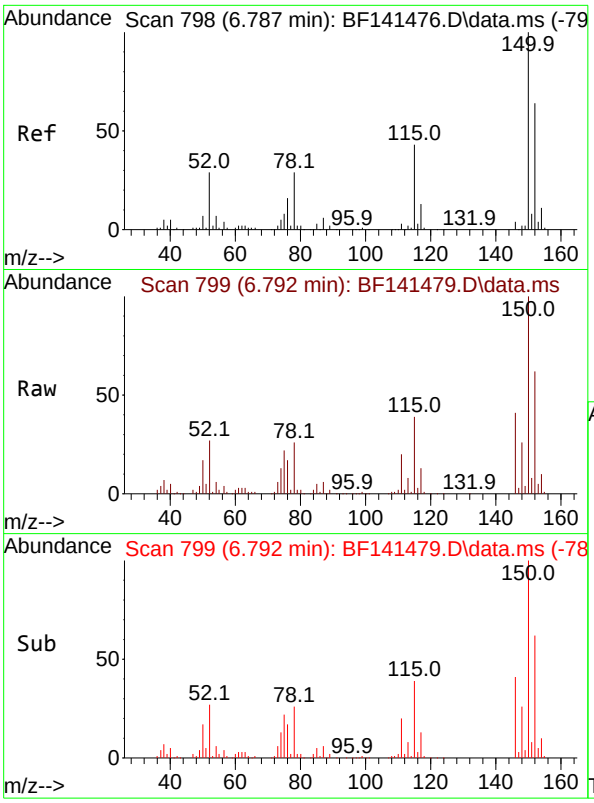
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141479.D
Acq On : 06 Feb 2025 14:14
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Feb 06 16:01:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



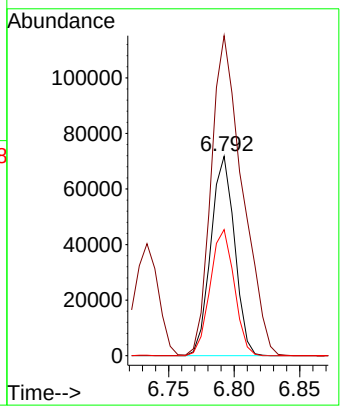


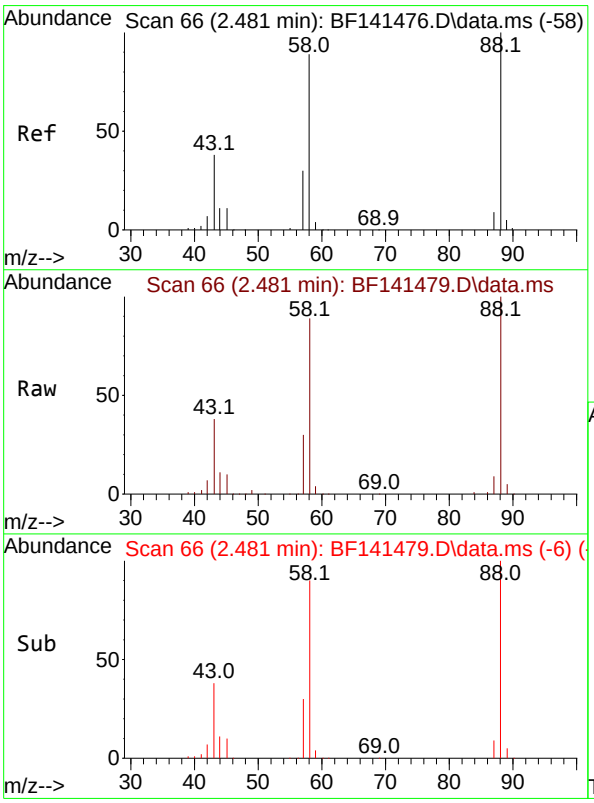

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:152 Resp: 90415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.5 | 125.0 | 187.4 |
| 115 | 63.2 | 53.6 | 80.4 |

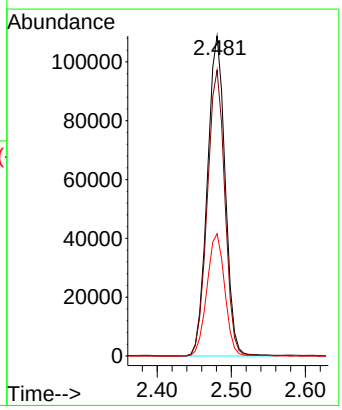


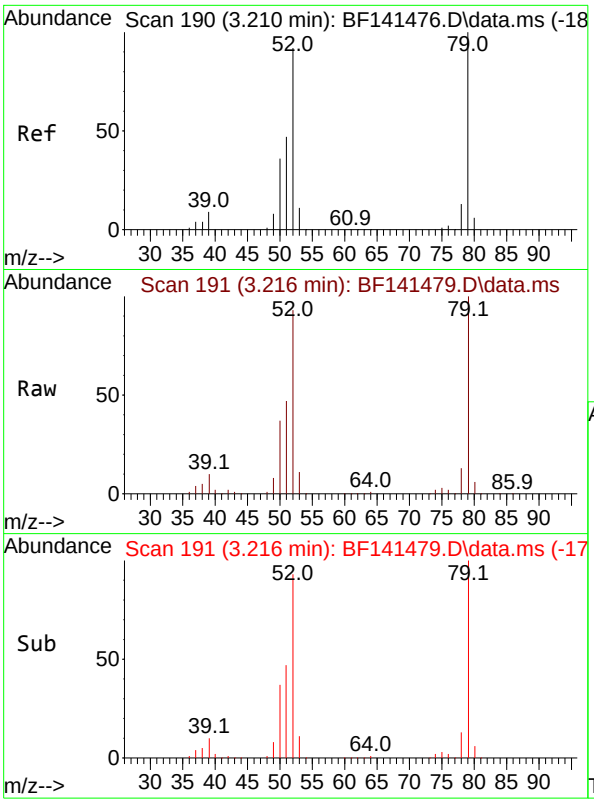




#2
1,4-Dioxane
Concen: 78.119 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 88 Resp: 181328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 88.2 | 71.1 | 106.7 |
| 43 | 38.3 | 30.6 | 46.0 |



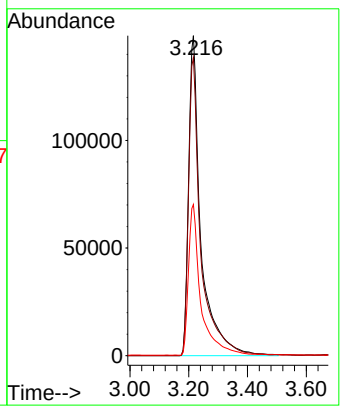


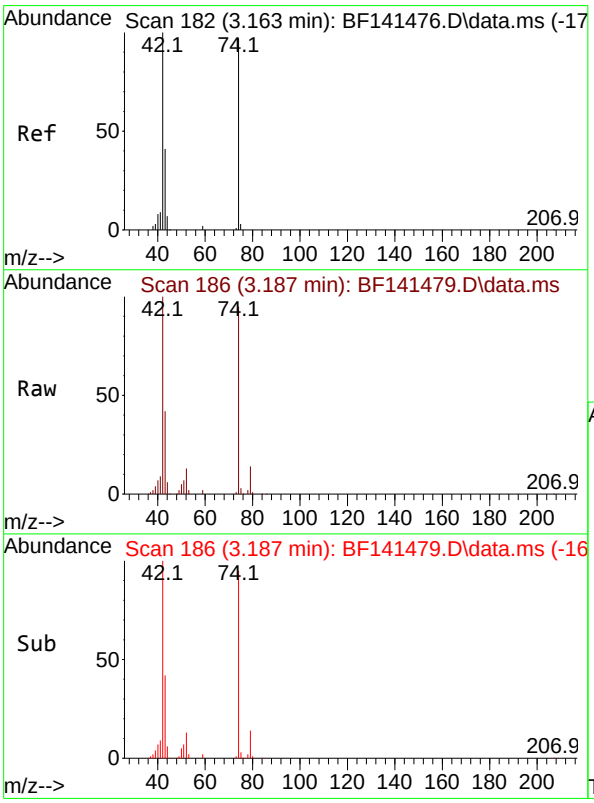

#3
Pyridine
Concen: 78.838 ng
RT: 3.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 79 Resp: 435462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 93.2 | 73.7 | 110.5 |
| 51 | 47.3 | 37.5 | 56.3 |

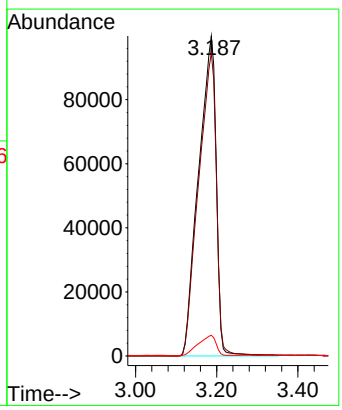


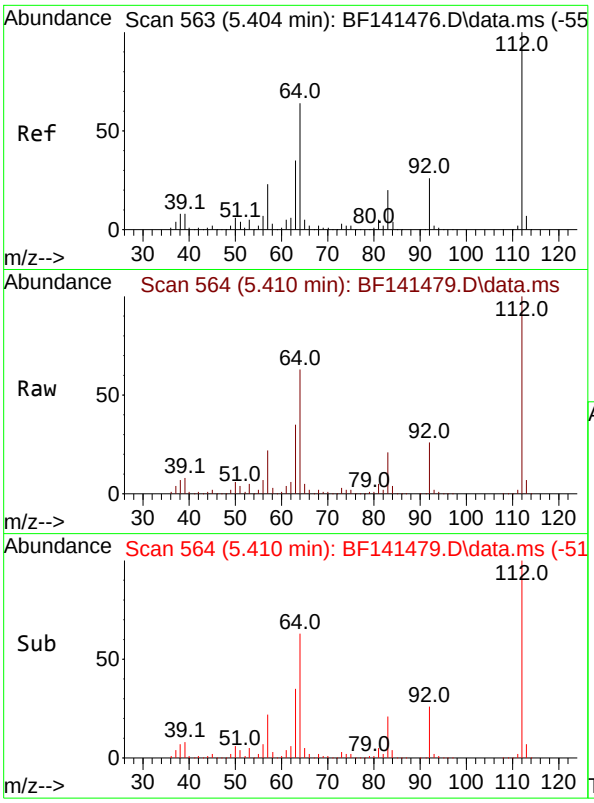




#4
n-Nitrosodimethylamine
Concen: 82.409 ng
RT: 3.187 min Scan# 186
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 42 Resp: 301403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 94.7 | 78.0 | 117.0 |
| 44 | 6.4 | 5.4 | 8.2 |



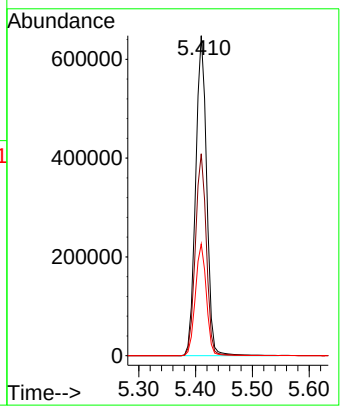


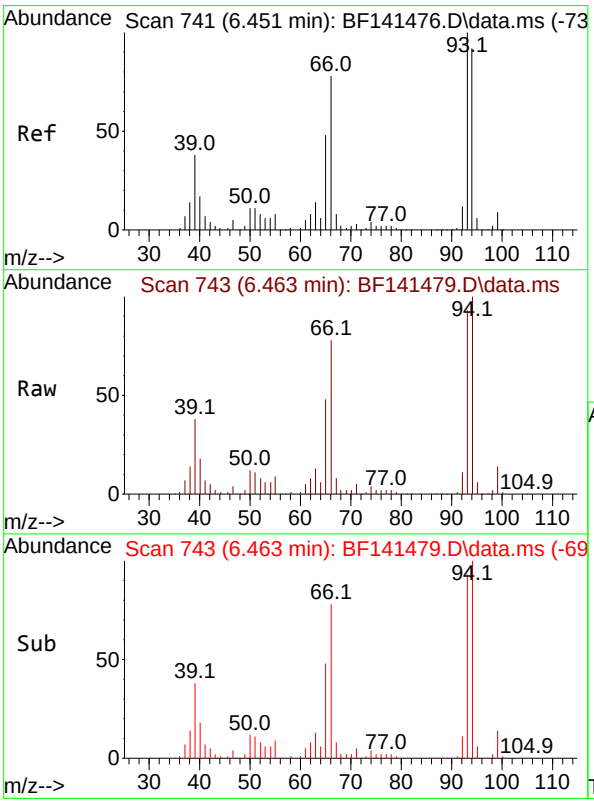

#5
2-Fluorophenol
Concen: 152.272 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:112 Resp: 878184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.1 | 51.1 | 76.7 |
| 63 | 34.9 | 28.4 | 42.6 |

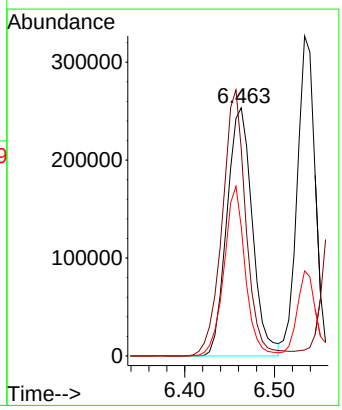


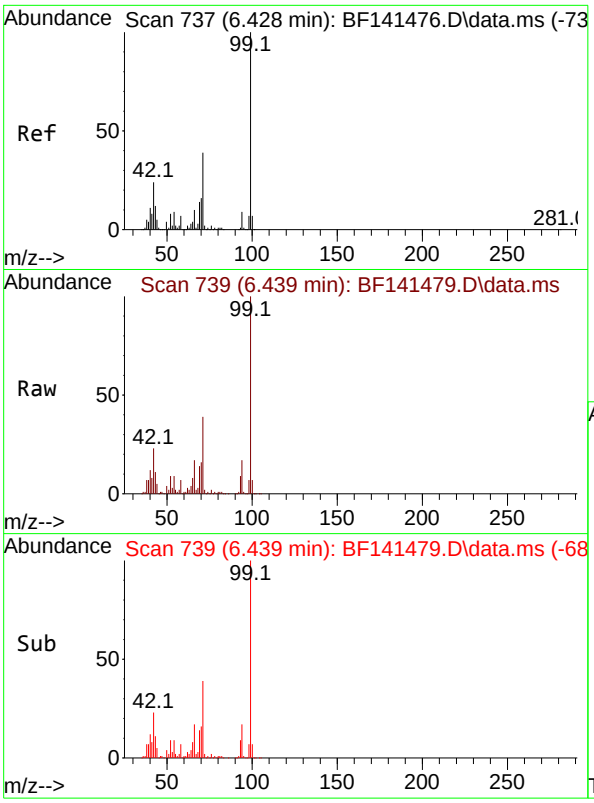




#6
Aniline
Concen: 72.913 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 93 Resp: 498556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 83.5 | 62.6 | 94.0 |
| 65 | 52.1 | 38.3 | 57.5 |



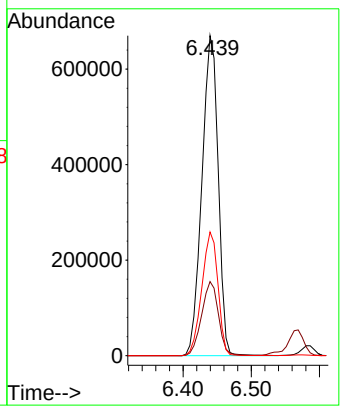


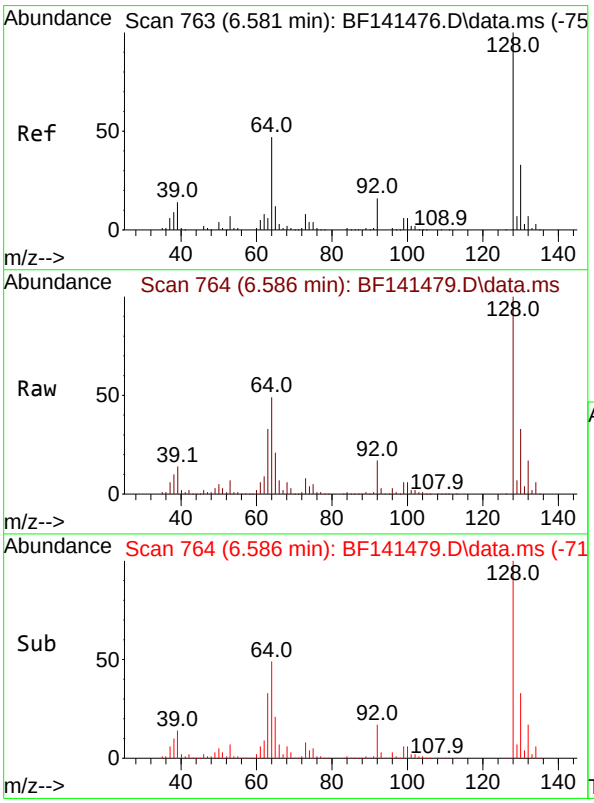

#7
Phenol-d6
Concen: 152.591 ng
RT: 6.439 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 99 Resp: 1112281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.2 | 19.1 | 28.7 |
| 71 | 38.7 | 31.1 | 46.7 |

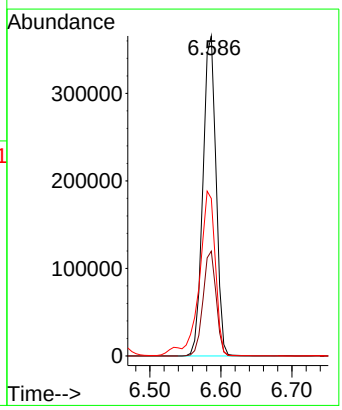


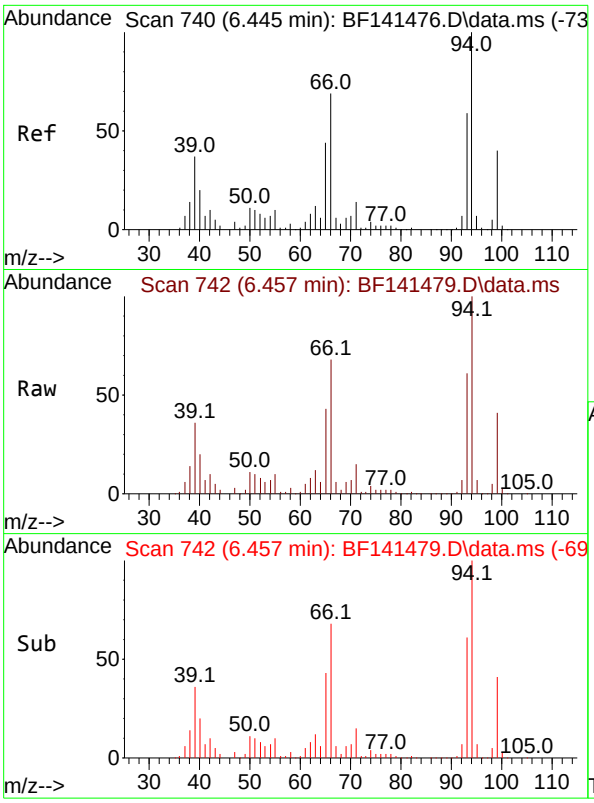




#8
2-Chlorophenol
Concen: 75.577 ng
RT: 6.586 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:128 Resp: 470975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.8 | 12.7 | 52.7 |
| 64 | 49.2 | 28.3 | 68.3 |



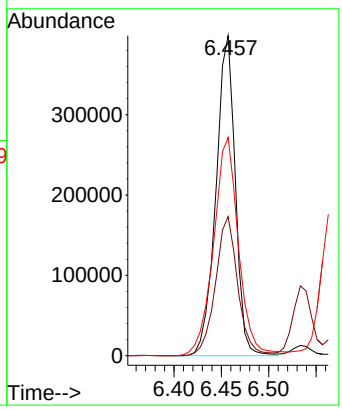


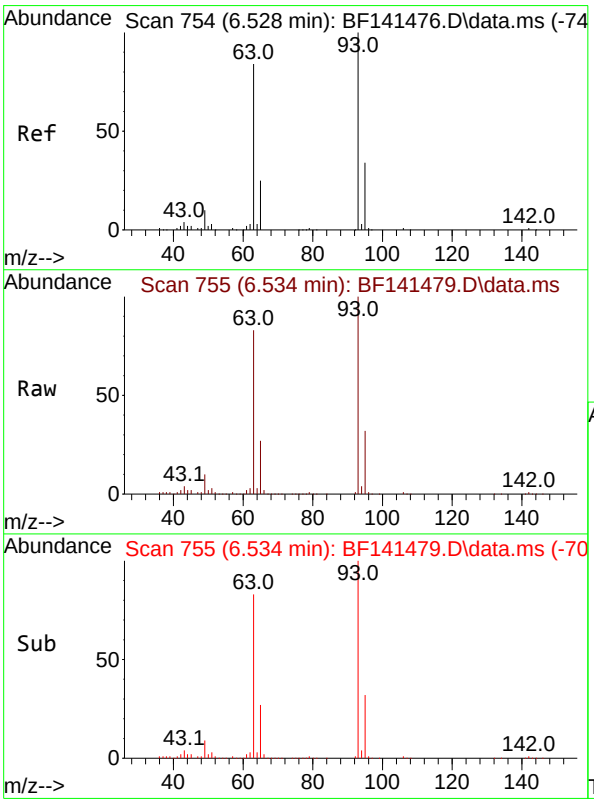

#10
Phenol
Concen: 74.779 ng
RT: 6.457 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 94 Resp: 567332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 43.5 | 23.7 | 63.7 |
| 66 | 68.2 | 49.3 | 89.3 |

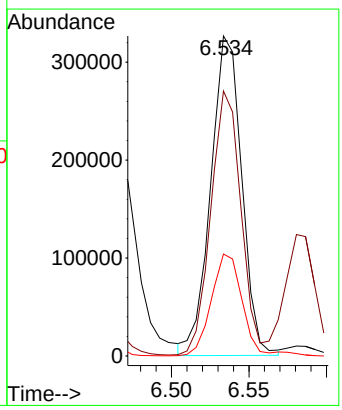


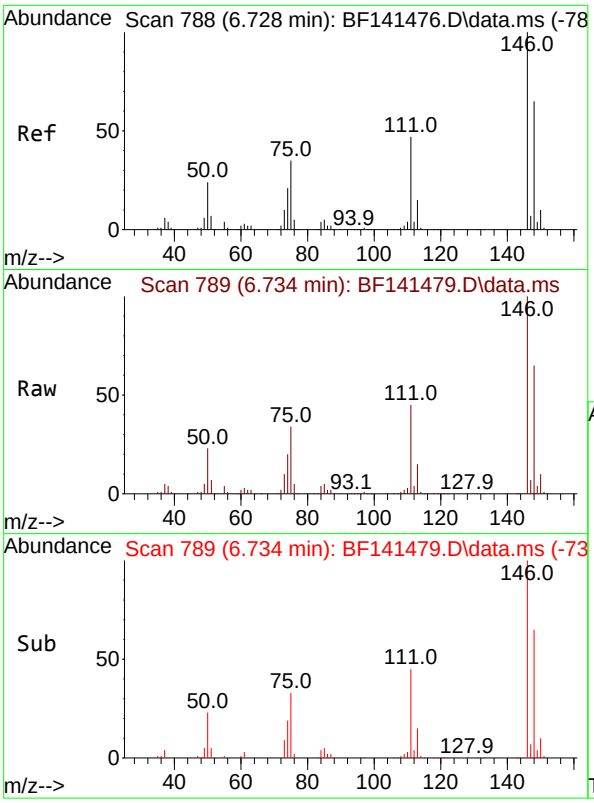




#11
bis(2-Chloroethyl)ether
Concen: 79.695 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 93 Resp: 454141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 82.8 | 62.0 | 102.0 |
| 95 | 31.9 | 12.6 | 52.6 |



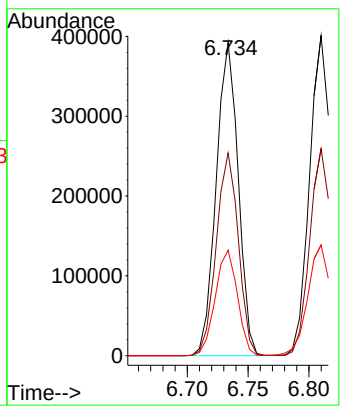


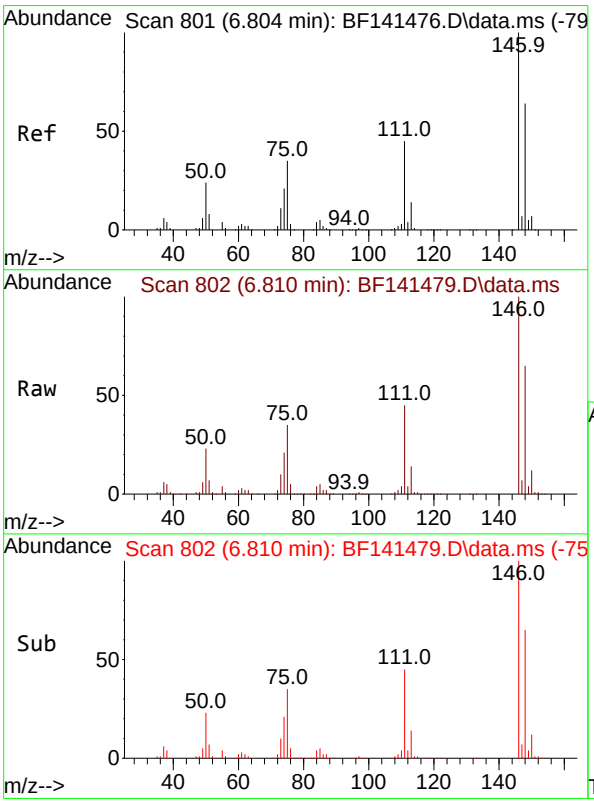

#12
1,3-Dichlorobenzene
Concen: 75.115 ng
RT: 6.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:146 Resp: 494180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 51.9 | 77.9 |
| 75 | 33.7 | 28.2 | 42.2 |

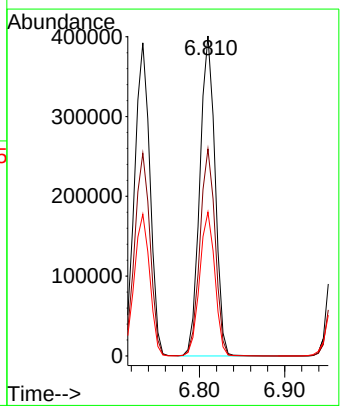


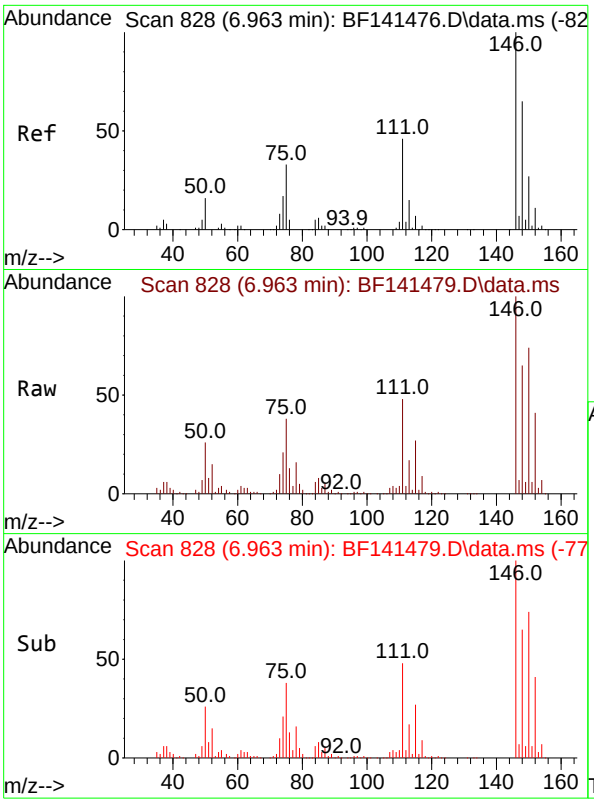




#13
1,4-Dichlorobenzene
Concen: 74.175 ng
RT: 6.810 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:146 Resp: 498585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 50.9 | 76.3 |
| 111 | 44.9 | 35.9 | 53.9 |



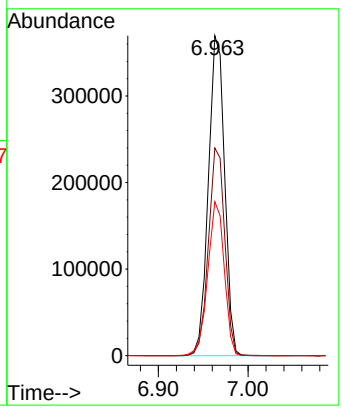


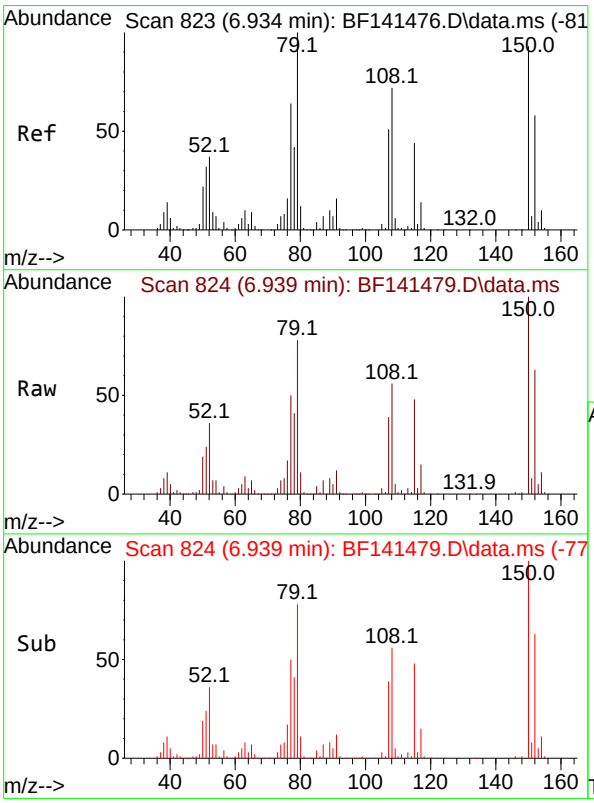

#14
1,2-Dichlorobenzene
Concen: 74.465 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:146 Resp: 464559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.9 | 51.8 | 77.6 |
| 111 | 48.1 | 37.0 | 55.4 |

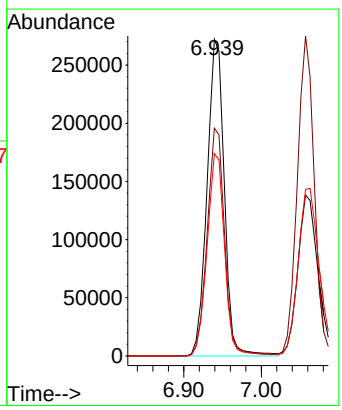


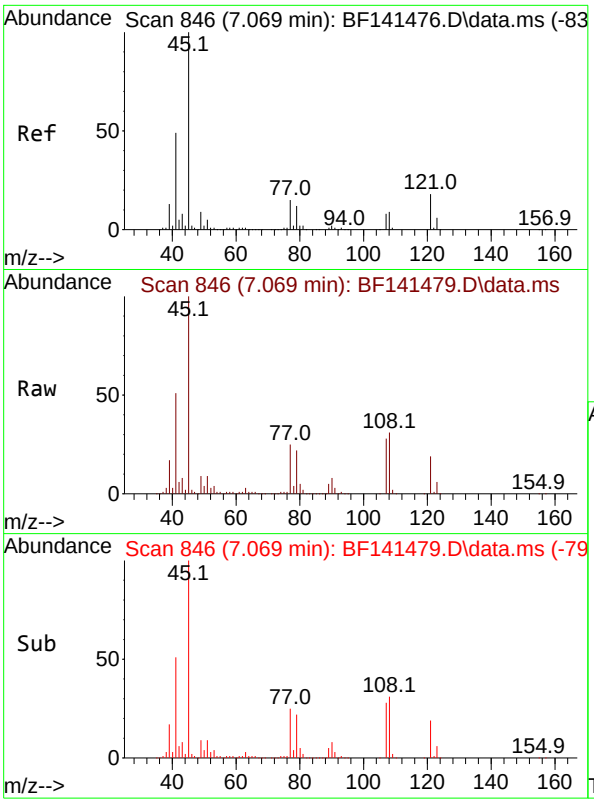




#15
Benzyl Alcohol
Concen: 75.258 ng
RT: 6.939 min Scan# 824
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 79 Resp: 420673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 72.0 | 57.4 | 86.2 |
| 77 | 64.0 | 50.9 | 76.3 |



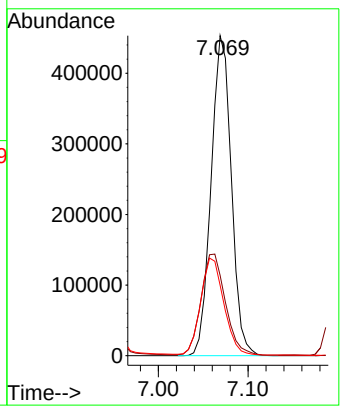


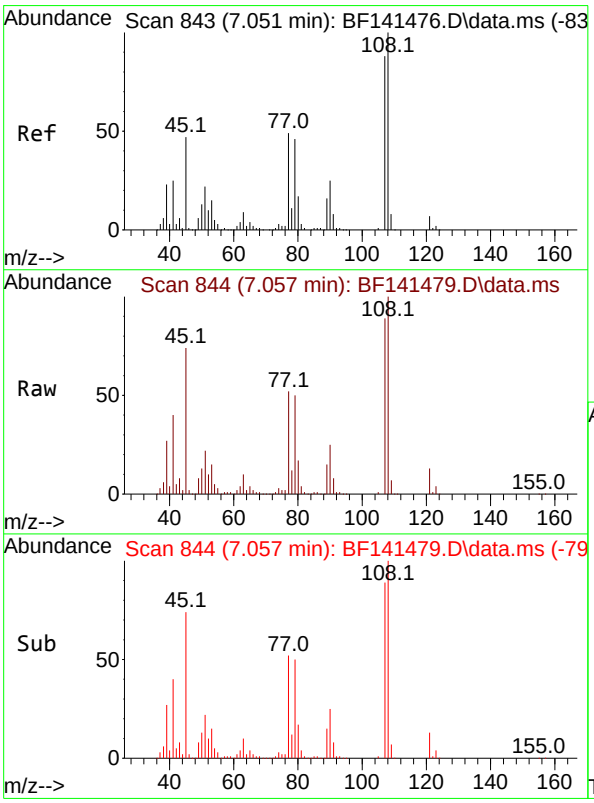

#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.613 ng
RT: 7.069 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 45 Resp: 708318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 25.1 | 0.0 | 35.8 |
| 79 | 22.0 | 0.0 | 32.7 |

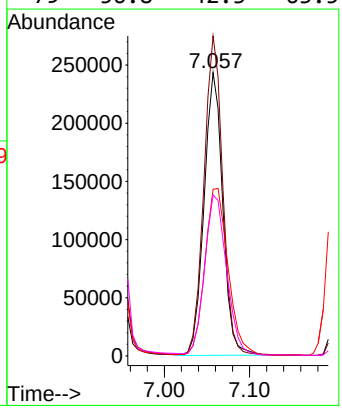


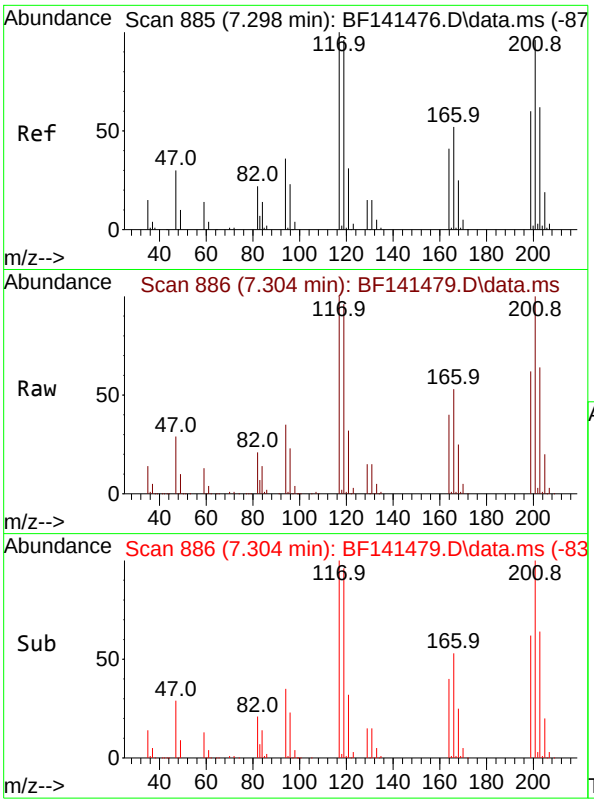




#17
2-Methylphenol
Concen: 75.912 ng
RT: 7.057 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:107 Resp: 370173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.9 | 90.6 | 136.0 |
| 77 | 58.7 | 44.4 | 66.6 |
| 79 | 56.8 | 42.3 | 63.5 |



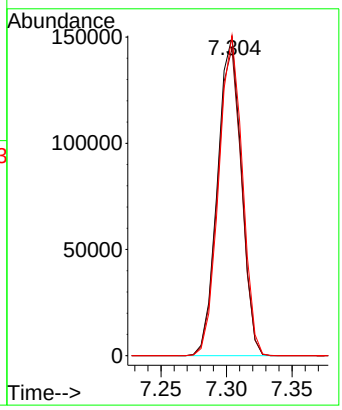


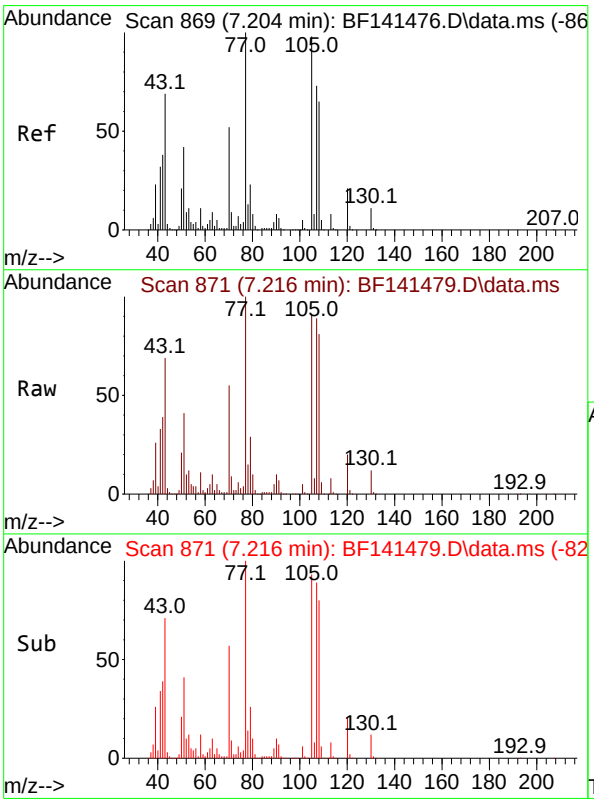

#18
Hexachloroethane
Concen: 76.402 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:117 Resp: 190062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.5 | 76.5 | 114.7 |
| 201 | 100.5 | 76.7 | 115.1 |

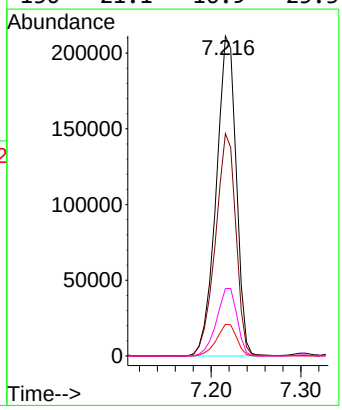


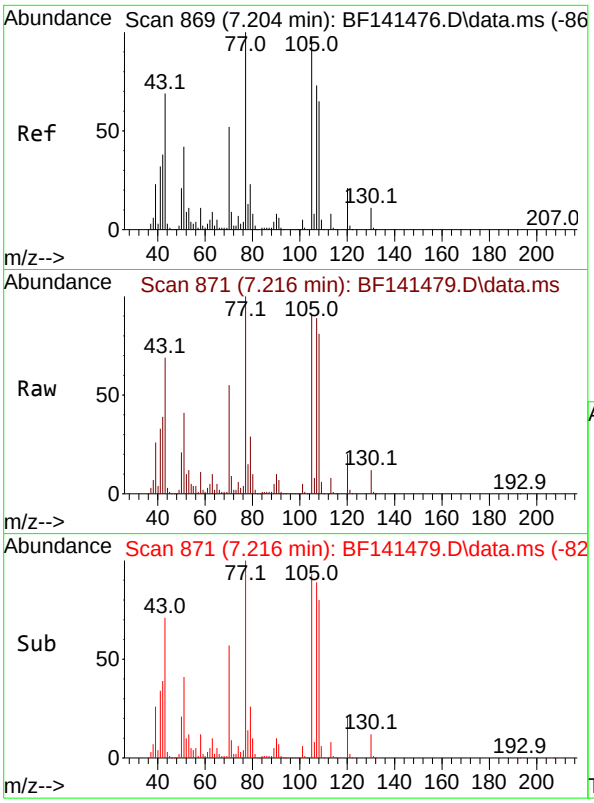




#19
n-Nitroso-di-n-propylamine
Concen: 75.249 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 70 Resp: 328097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 69.5 | 57.4 | 86.2 |
| 101 | 9.9 | 8.0 | 12.0 |
| 130 | 21.1 | 16.9 | 25.3 |



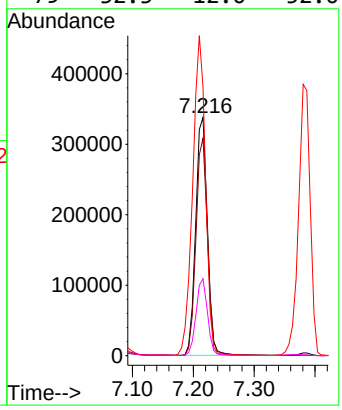


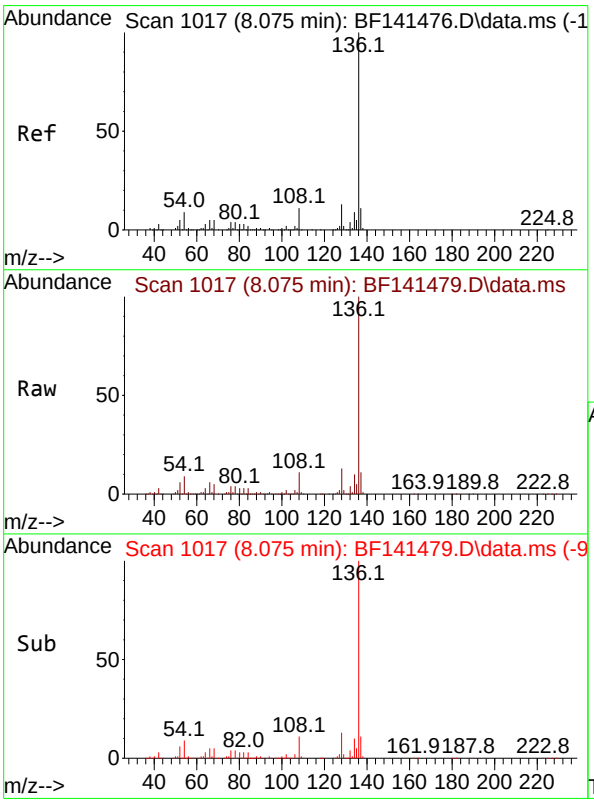

#20
3+4-Methylphenols
Concen: 72.613 ng
RT: 7.216 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:107 Resp: 450046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.3 | 68.5 | 108.5 |
| 77 | 112.8 | 116.5 | 156.5# |
| 79 | 32.3 | 12.0 | 52.0 |

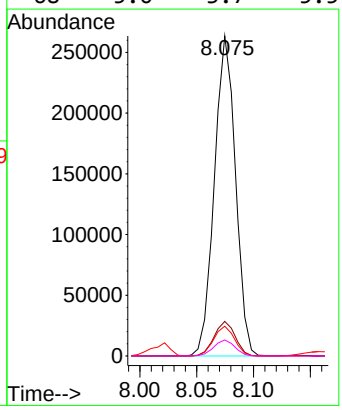


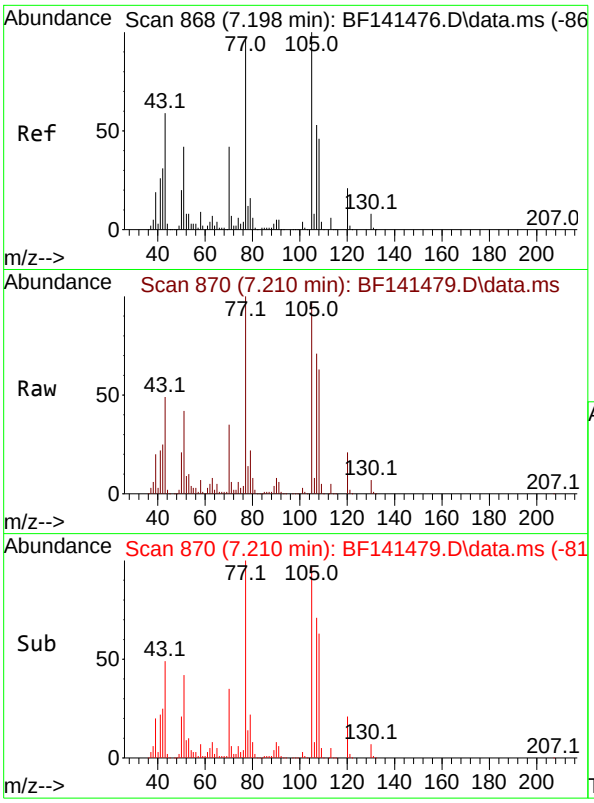




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:136 Resp: 341252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.6 | 13.0 |
| 54 | 9.3 | 7.2 | 10.8 |
| 68 | 5.0 | 3.7 | 5.5 |



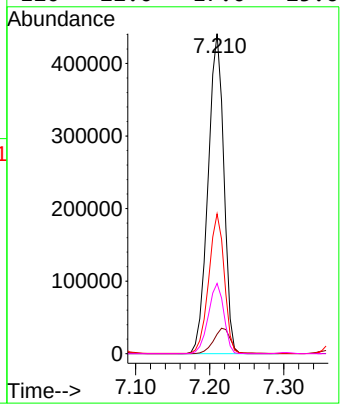


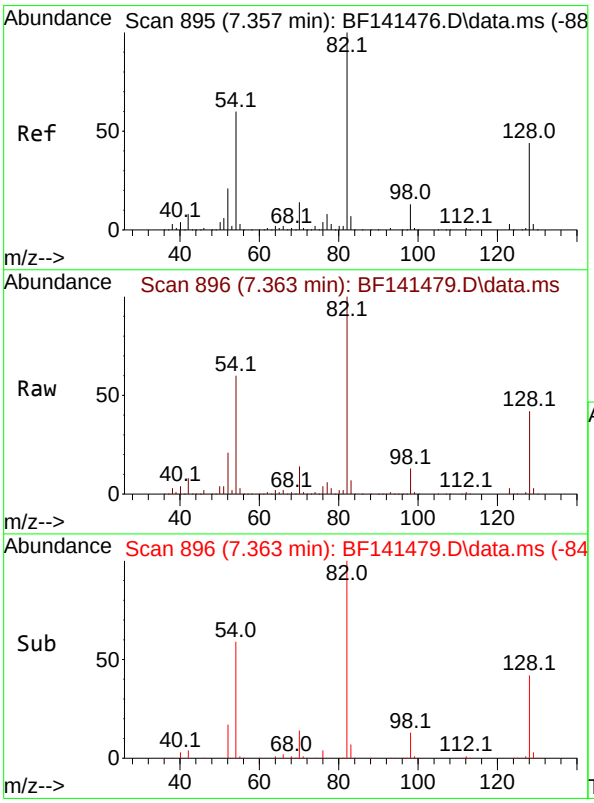

#22
Acetophenone
Concen: 76.846 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:105 Resp: 652334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.1 | 5.7 | 8.5 |
| 51 | 43.7 | 33.7 | 50.5 |
| 120 | 22.0 | 17.0 | 25.6 |

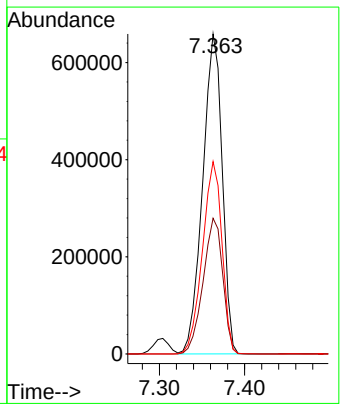


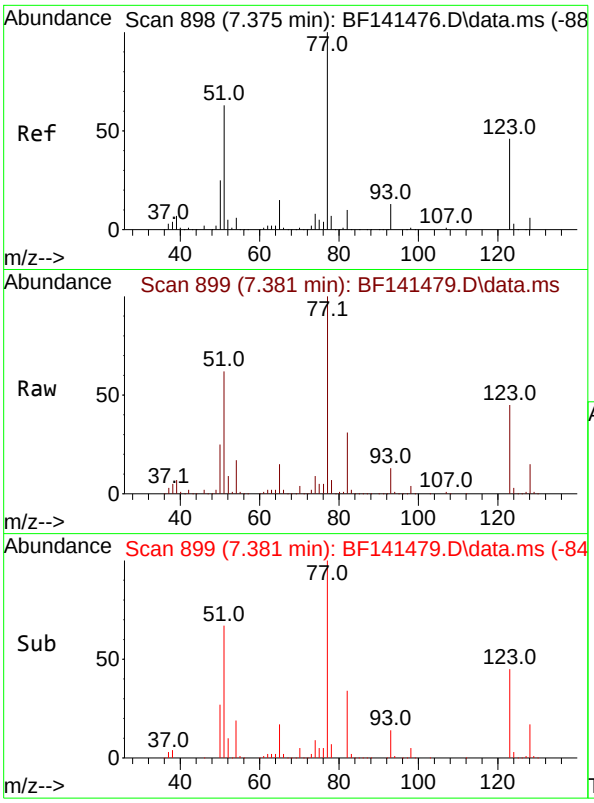




#23
Nitrobenzene-d5
Concen: 160.228 ng
RT: 7.363 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 82 Resp: 1048314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.4 | 34.8 | 52.2 |
| 54 | 60.1 | 48.2 | 72.4 |



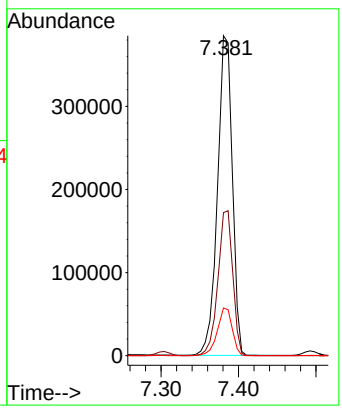


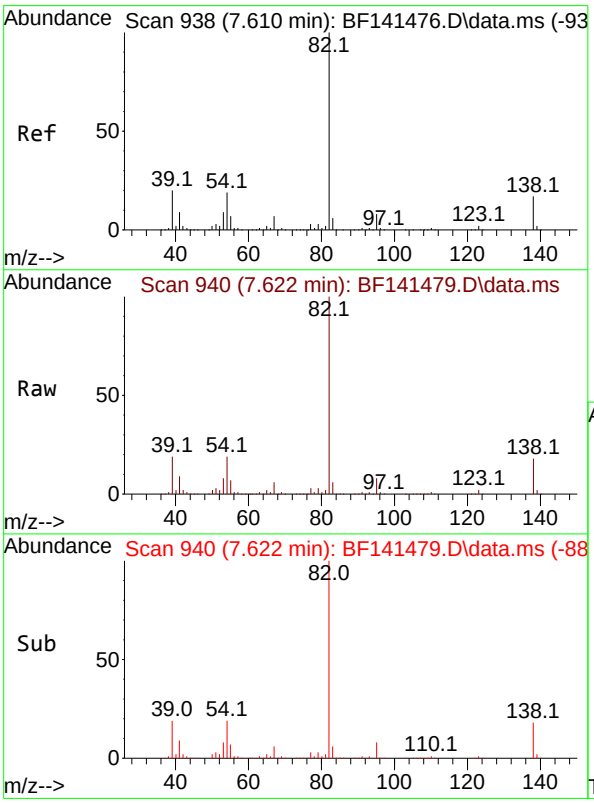

#24
Nitrobenzene
Concen: 80.448 ng
RT: 7.381 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 77 Resp: 513249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 44.7 | 36.9 | 55.3 |
| 65 | 14.9 | 11.9 | 17.9 |

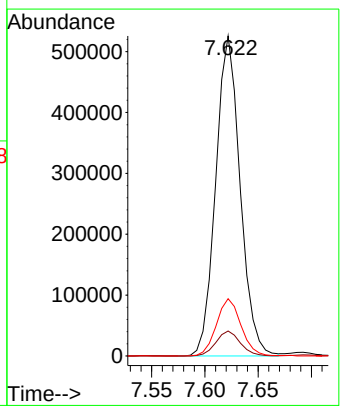


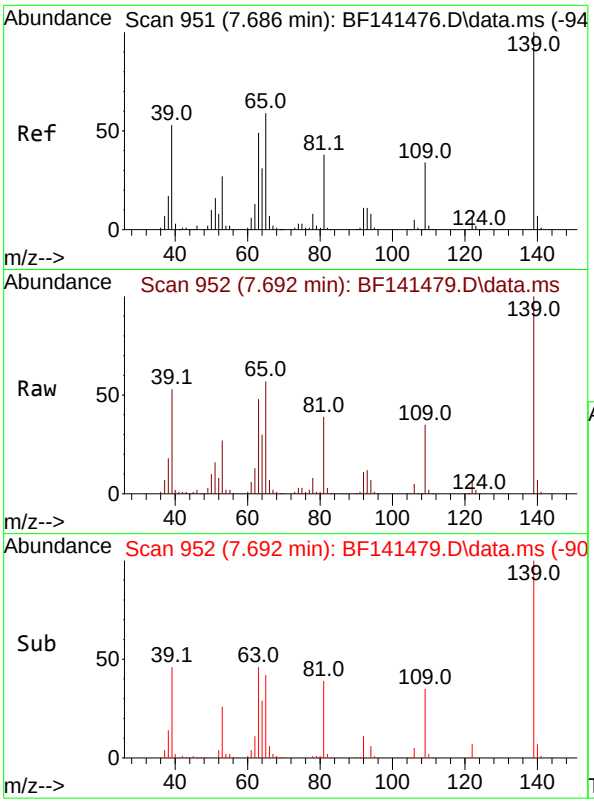




#25
Isophorone
Concen: 80.337 ng
RT: 7.622 min Scan# 940
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 82 Resp: 838076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.8 | 6.4 | 9.6 |
| 138 | 17.9 | 13.9 | 20.9 |



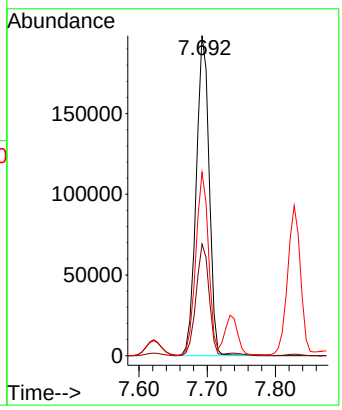


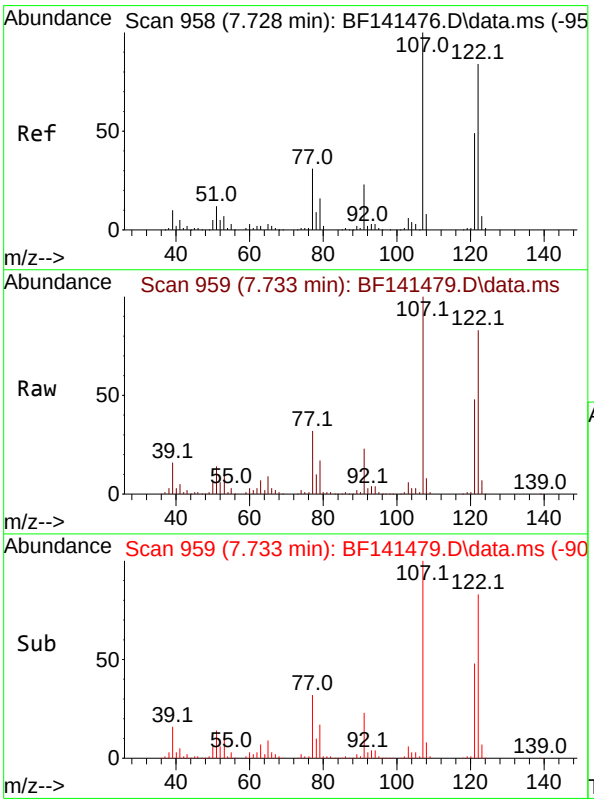

#26
2-Nitrophenol
Concen: 82.350 ng
RT: 7.692 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:139 Resp: 261386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 34.9 | 27.0 | 40.6 |
| 65 | 57.3 | 47.1 | 70.7 |

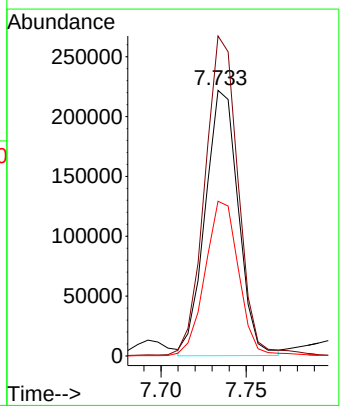


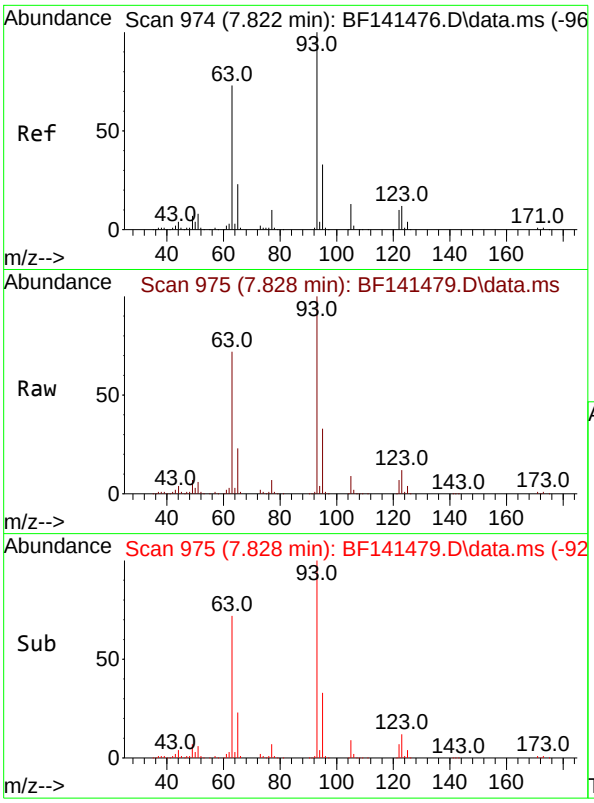




#27
2,4-Dimethylphenol
Concen: 80.915 ng
RT: 7.733 min Scan# 959
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:122 Resp: 300036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 120.5 | 94.3 | 141.5 |
| 121 | 58.3 | 46.0 | 69.0 |



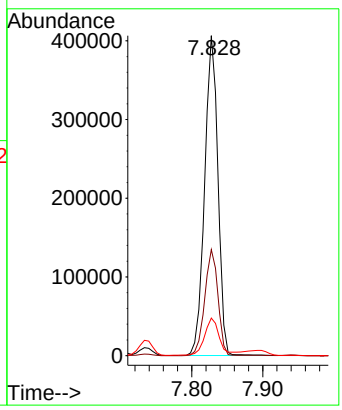


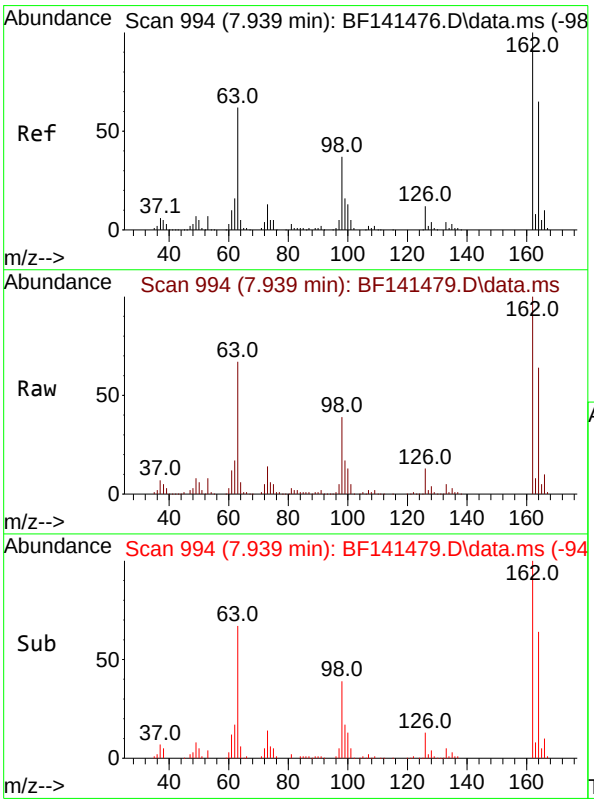

#28
bis(2-Chloroethoxy)methane
Concen: 79.203 ng
RT: 7.828 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 93 Resp: 529442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.2 | 26.1 | 39.1 |
| 123 | 11.8 | 9.5 | 14.3 |

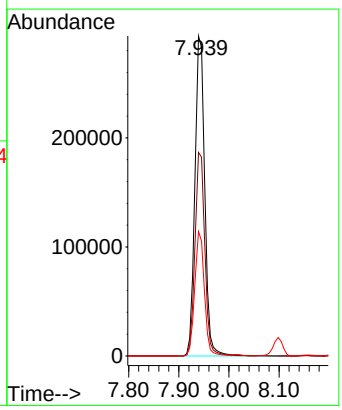


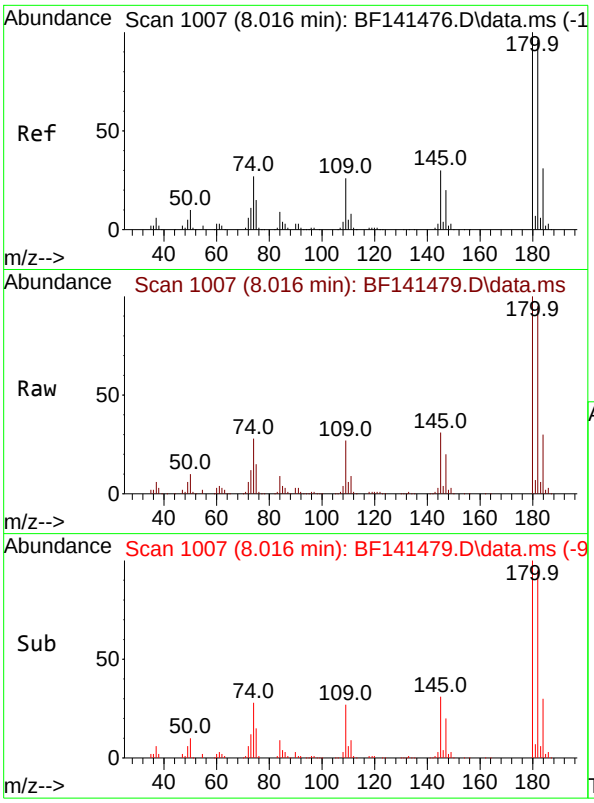




#29
2,4-Dichlorophenol
Concen: 79.645 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:162 Resp: 399027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.6 | 44.6 | 84.6 |
| 98 | 38.9 | 17.2 | 57.2 |



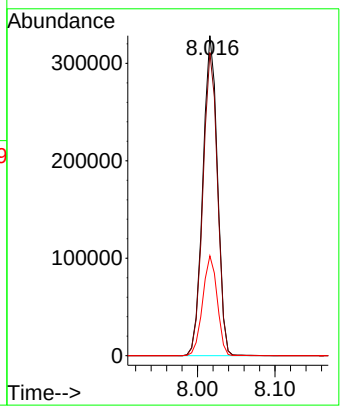


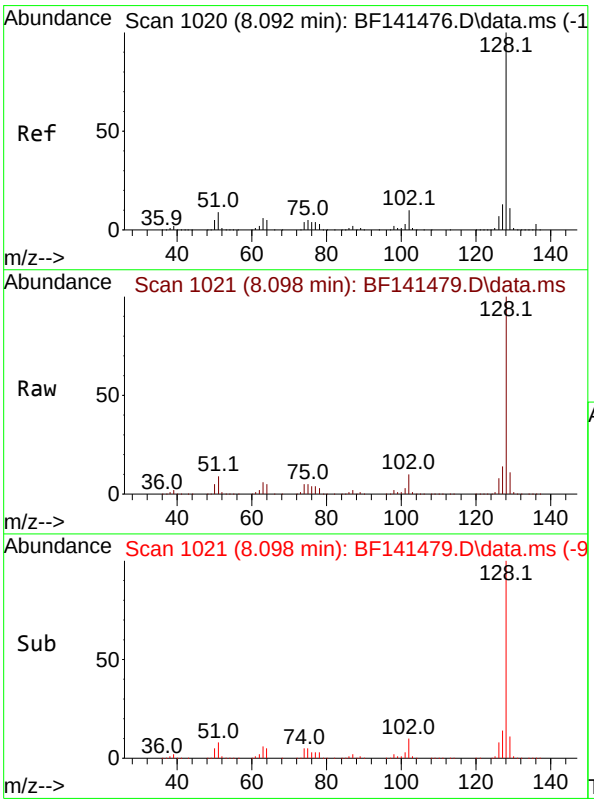

#30
1,2,4-Trichlorobenzene
Concen: 78.568 ng
RT: 8.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:180 Resp: 428656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.7 | 76.8 | 115.2 |
| 145 | 31.2 | 24.2 | 36.4 |

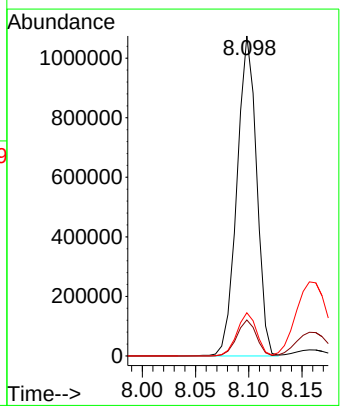


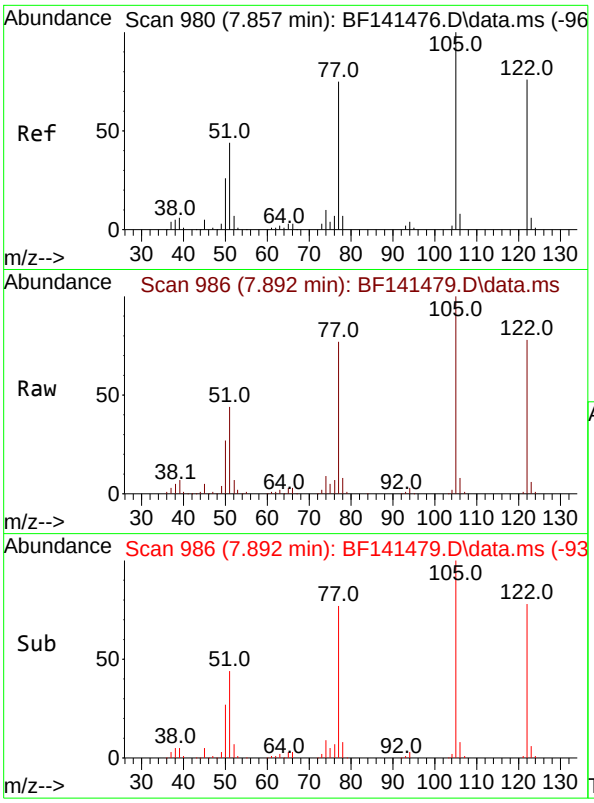




#31
Naphthalene
Concen: 77.769 ng
RT: 8.098 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:128 Resp: 1381453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 8.9 | 13.3 |
| 127 | 13.5 | 10.7 | 16.1 |



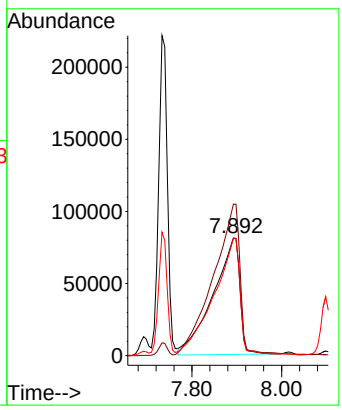


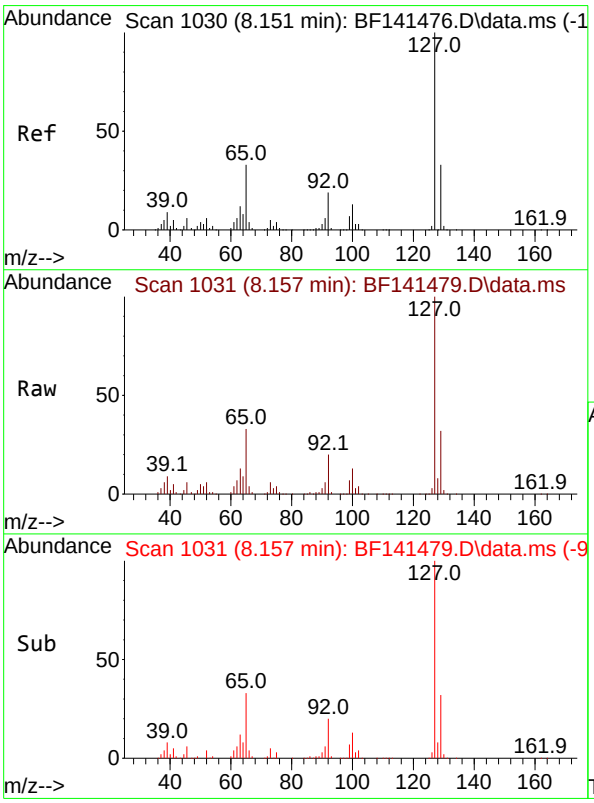

#32
Benzoic acid
Concen: 87.086 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:122 Resp: 335418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 128.7 | 106.5 | 146.5 |
| 77 | 99.4 | 76.3 | 116.3 |

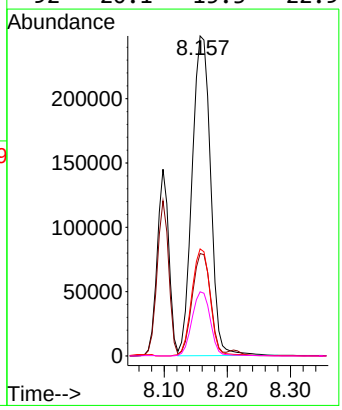


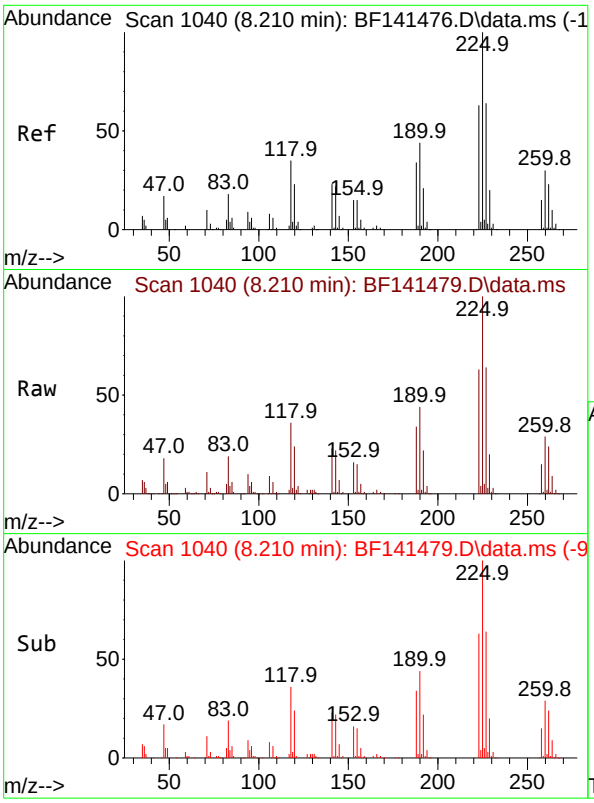




#33
4-Chloroaniline
Concen: 81.400 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:127 Resp: 504834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.0 | 26.5 | 39.7 |
| 65 | 33.5 | 26.4 | 39.6 |
| 92 | 20.1 | 15.3 | 22.9 |



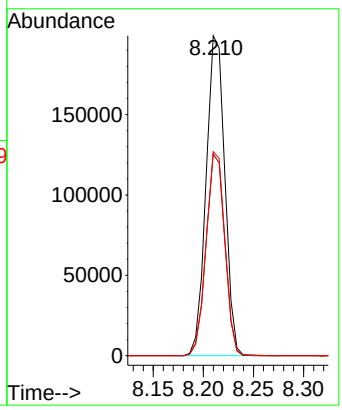


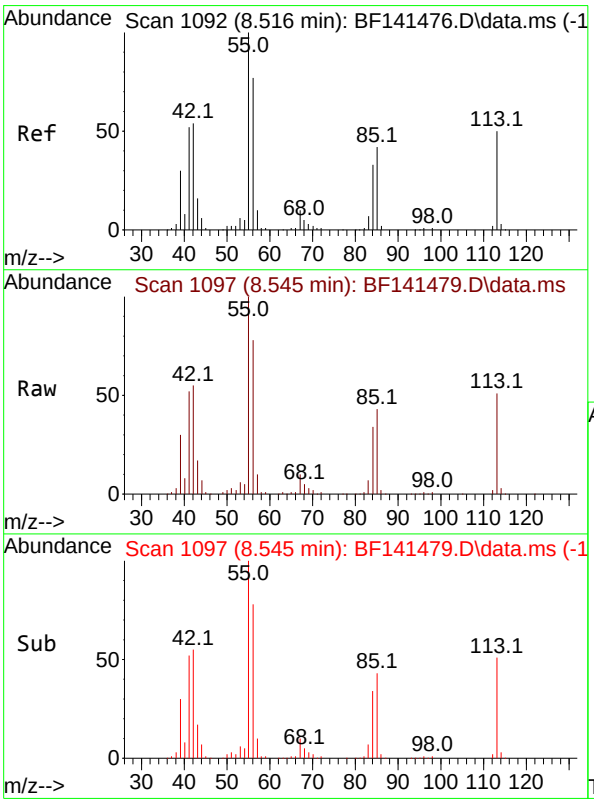

#34
Hexachlorobutadiene
Concen: 78.628 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:225 Resp: 257532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 50.1 | 75.1 |
| 227 | 63.8 | 51.0 | 76.6 |

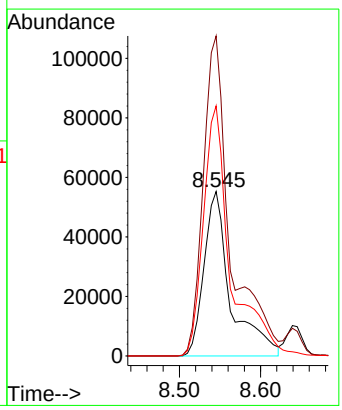


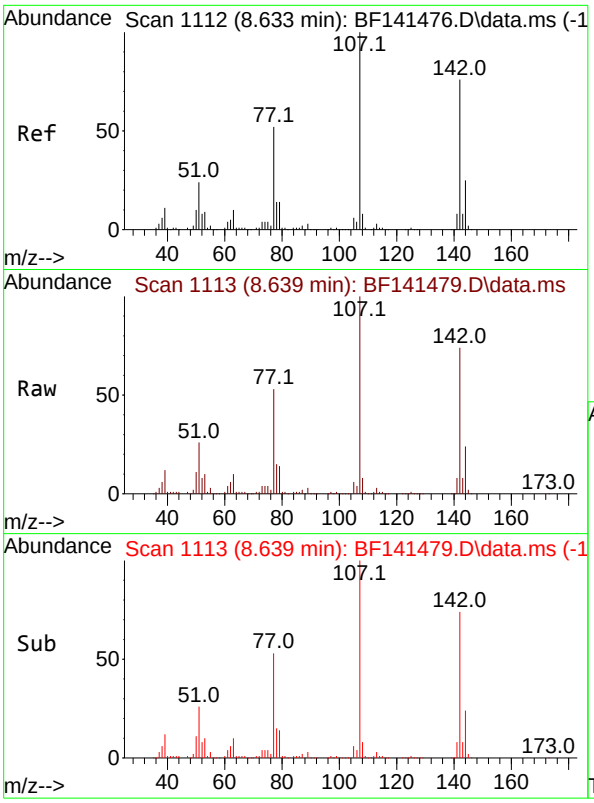




#35
Caprolactam
Concen: 82.350 ng
RT: 8.545 min Scan# 1097
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:113 Resp: 125619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 194.6 | 180.8 | 220.8 |
| 56 | 152.1 | 133.6 | 173.6 |



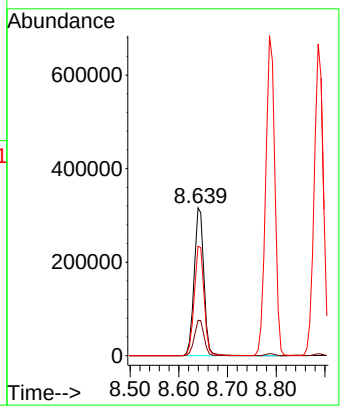


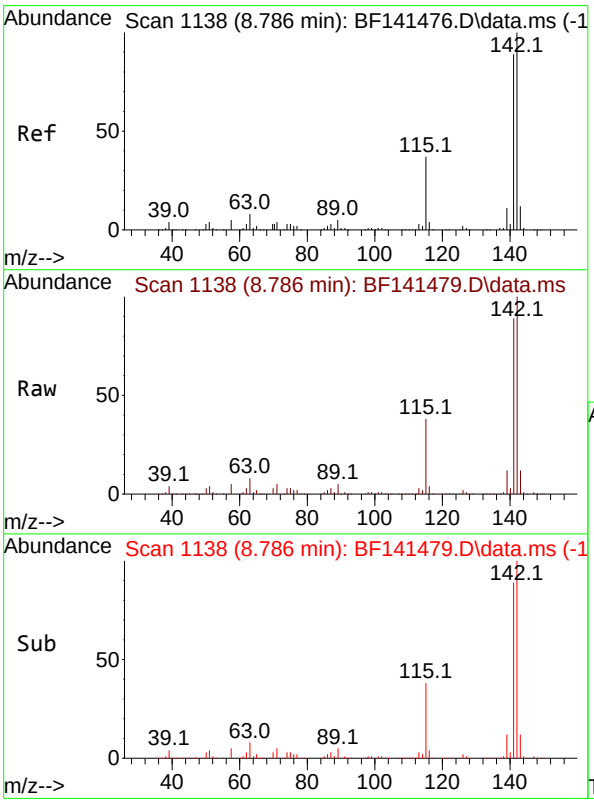

#36
4-Chloro-3-methylphenol
Concen: 79.630 ng
RT: 8.639 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:107 Resp: 441925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 23.9 | 19.7 | 29.5 |
| 142 | 74.0 | 60.8 | 91.2 |

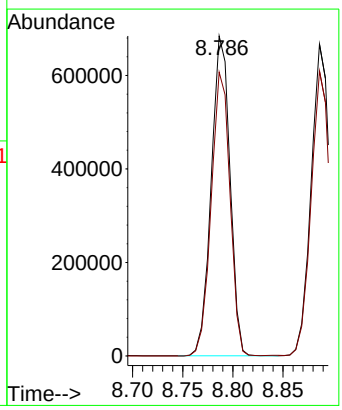


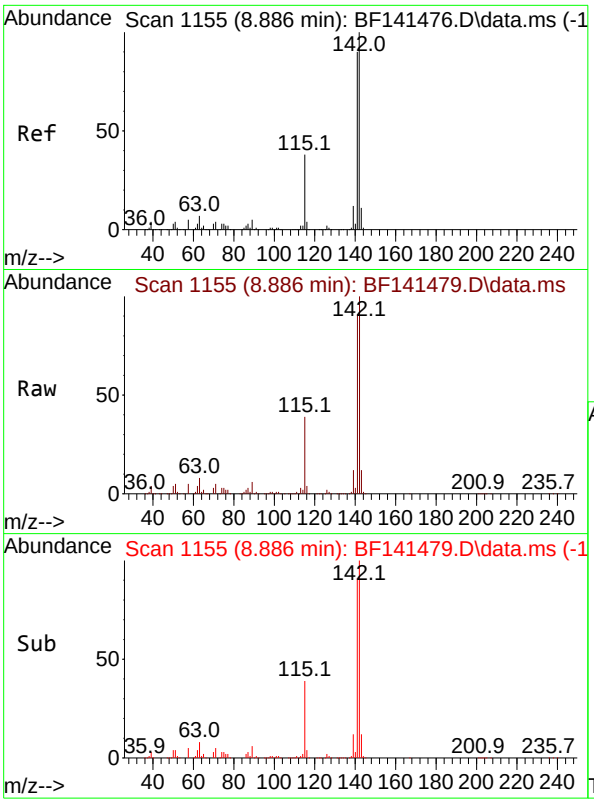




#37
2-Methylnaphthalene
Concen: 76.975 ng
RT: 8.786 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:142 Resp: 889774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.7 | 71.2 | 106.8 |



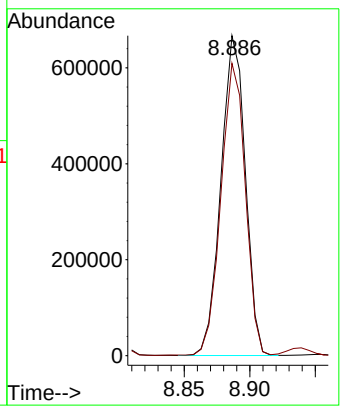


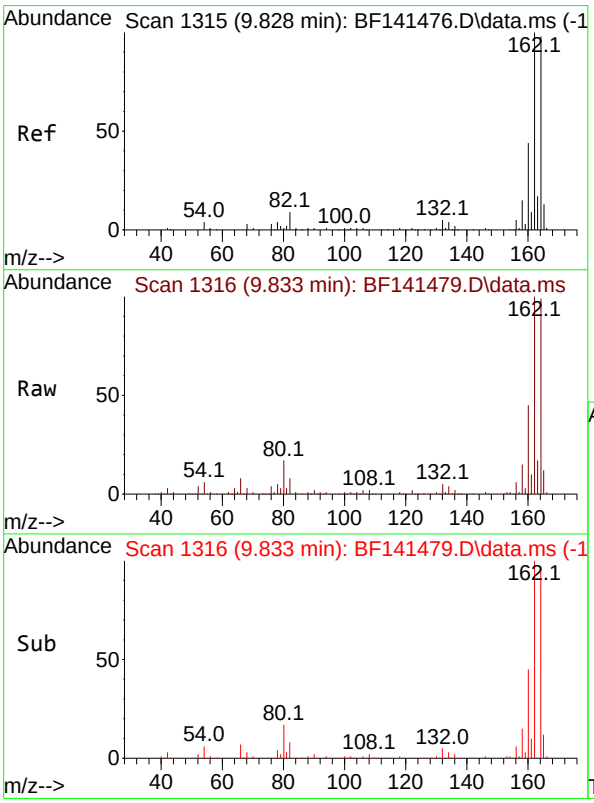

#38
1-Methylnaphthalene
Concen: 76.983 ng
RT: 8.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:142 Resp: 861860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.3 | 72.1 | 108.1 |

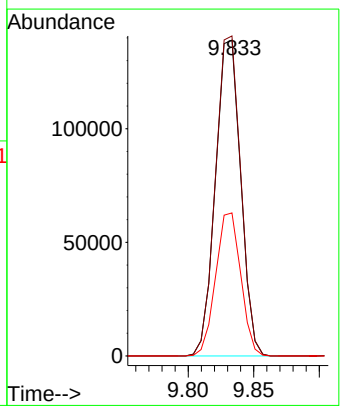


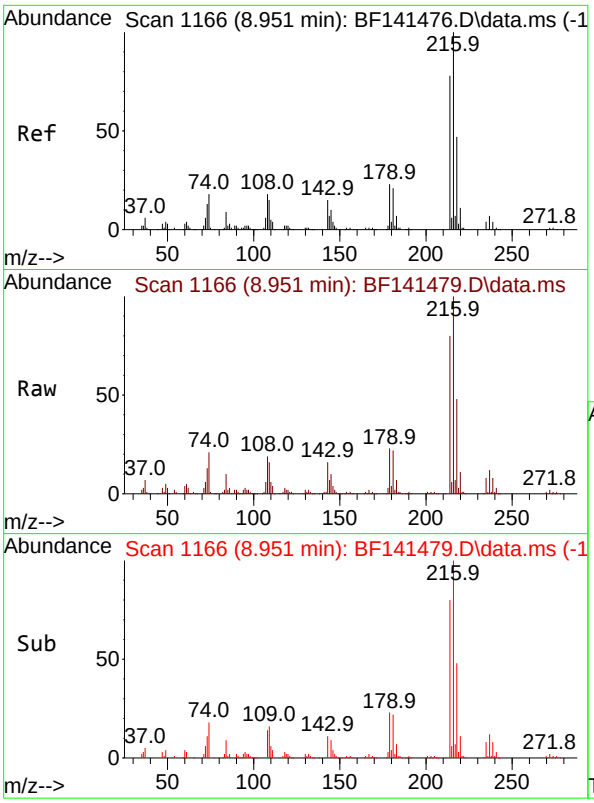




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:164 Resp: 186230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.3 | 81.3 | 121.9 |
| 160 | 45.3 | 35.9 | 53.9 |



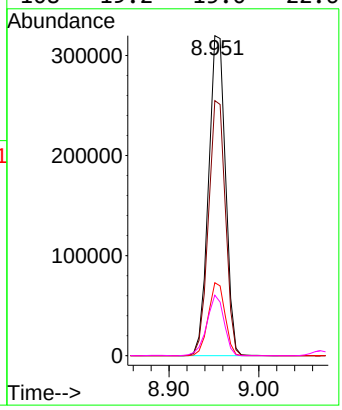


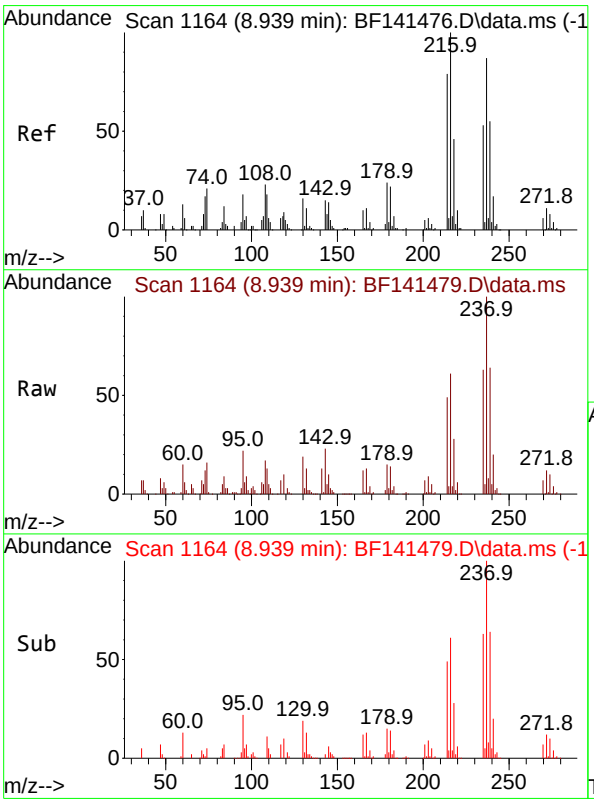

#40
1,2,4,5-Tetrachlorobenzene
Concen: 77.689 ng
RT: 8.951 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:216 Resp: 418579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.6 | 62.3 | 93.5 |
| 179 | 22.4 | 18.0 | 27.0 |
| 108 | 19.2 | 15.0 | 22.6 |

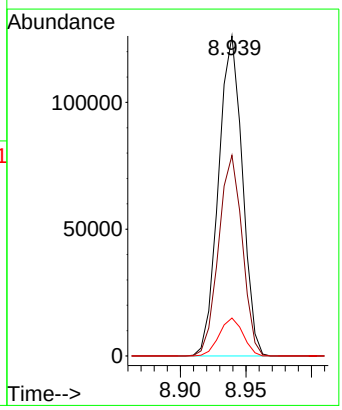


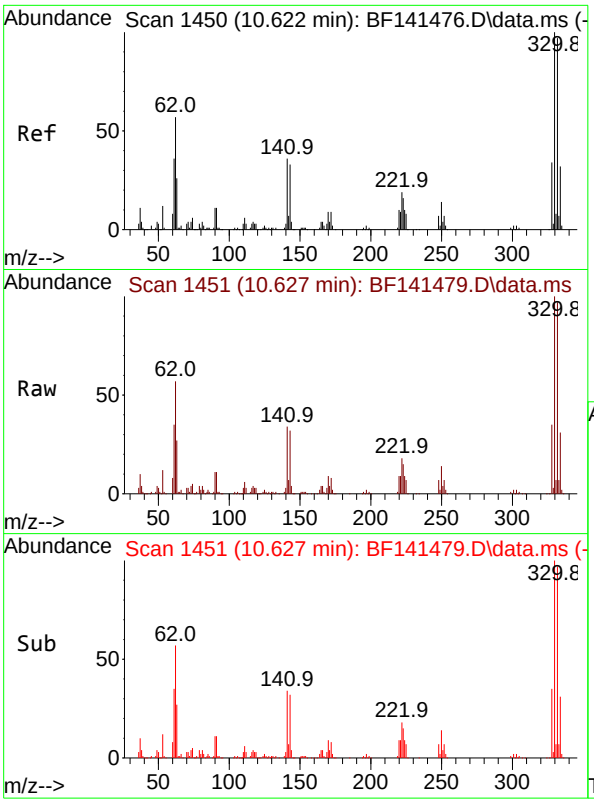




#41
Hexachlorocyclopentadiene
Concen: 88.965 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:237 Resp: 159430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.7 | 41.4 | 81.4 |
| 272 | 11.9 | 0.0 | 32.4 |



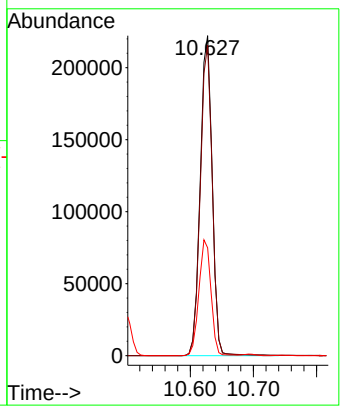


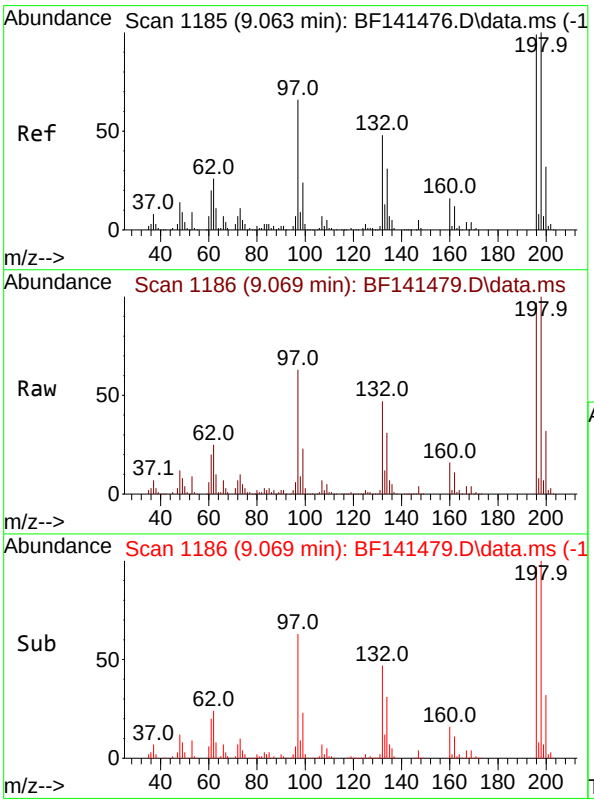

#42
2,4,6-Tribromophenol
Concen: 156.058 ng
RT: 10.627 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:330 Resp: 291947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.2 | 78.5 | 117.7 |
| 141 | 36.6 | 31.0 | 46.4 |

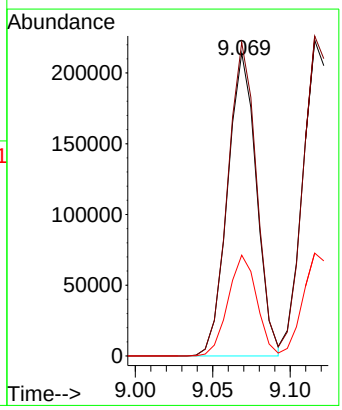


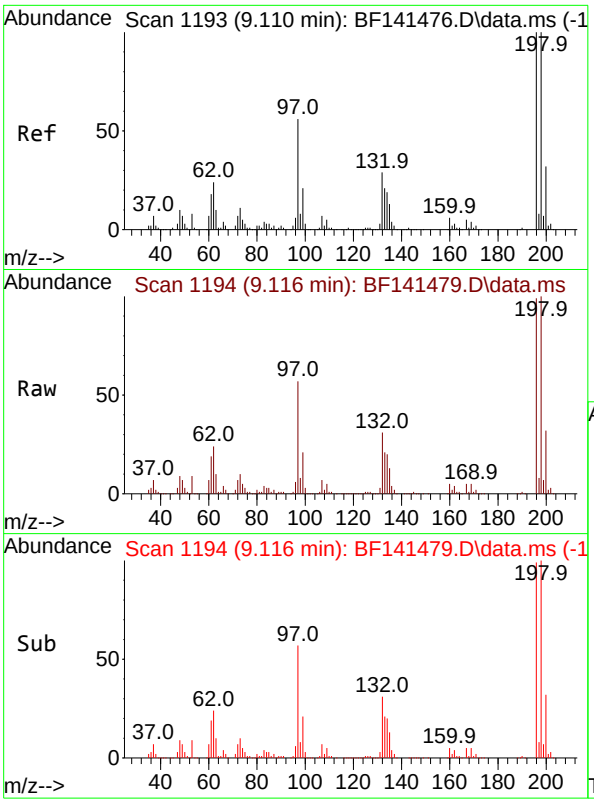




#43
2,4,6-Trichlorophenol
Concen: 79.591 ng
RT: 9.069 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:196 Resp: 277156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 103.5 | 80.6 | 121.0 |
| 200 | 33.3 | 25.5 | 38.3 |



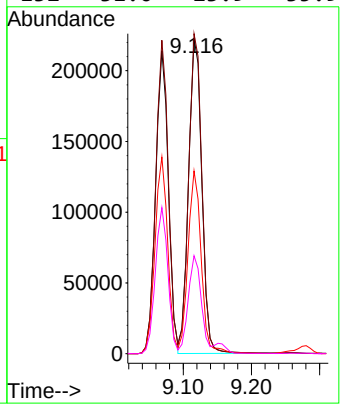


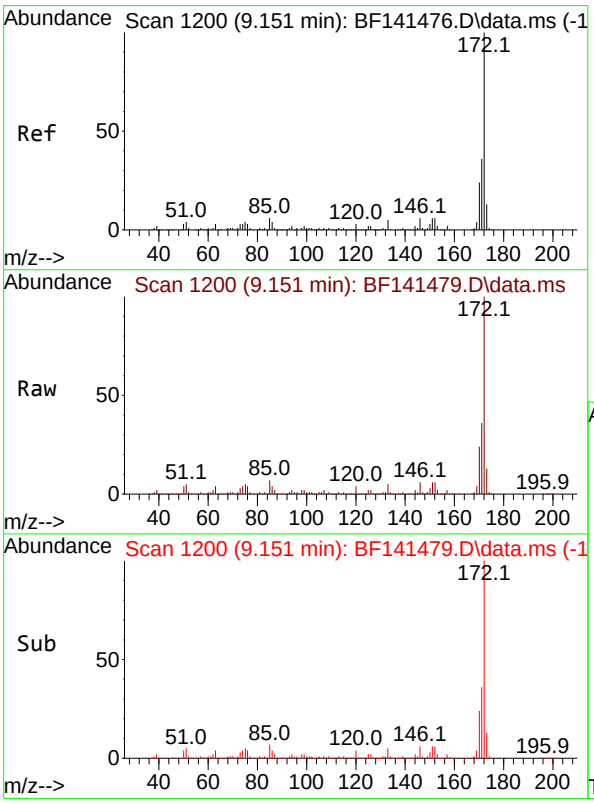

#44
2,4,5-Trichlorophenol
Concen: 79.189 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:196 Resp: 298856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.4 | 79.8 | 119.8 |
| 97 | 57.9 | 44.8 | 67.2 |
| 132 | 31.0 | 23.9 | 35.9 |

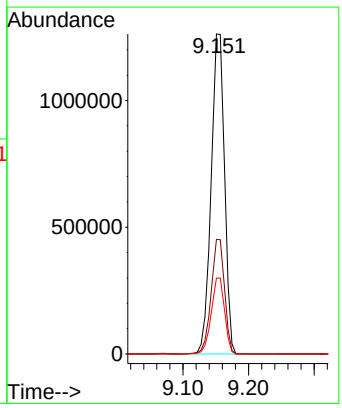


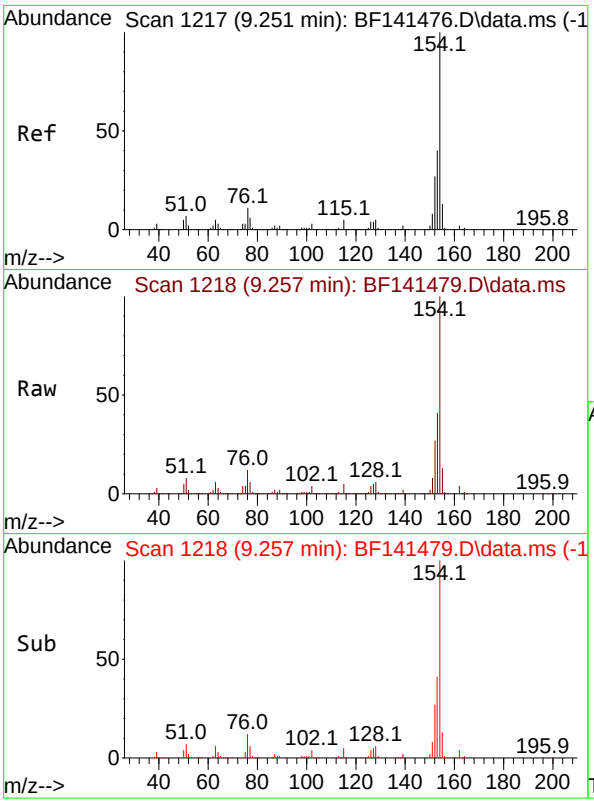




#45
2-Fluorobiphenyl
Concen: 148.066 ng
RT: 9.151 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:172 Resp: 1789795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.8 | 28.7 | 43.1 |
| 170 | 23.7 | 18.9 | 28.3 |



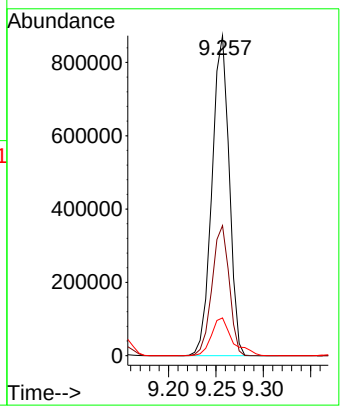


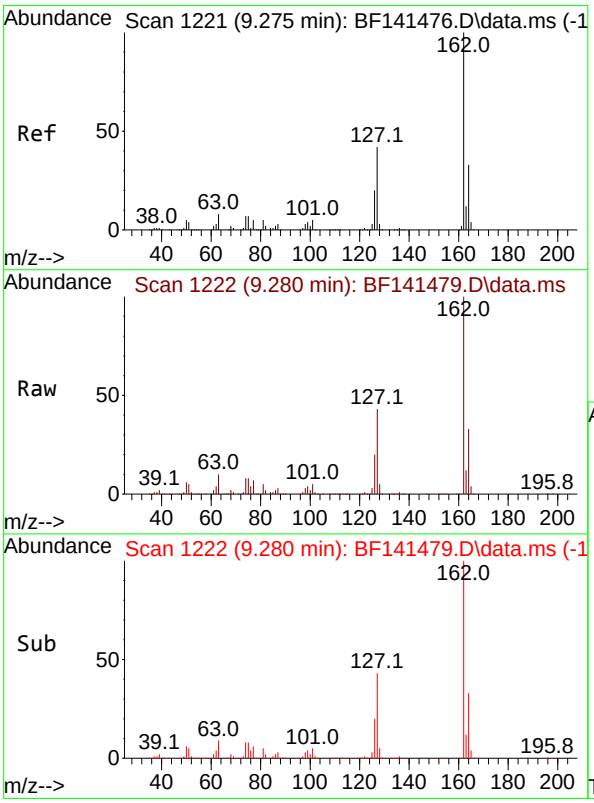

#46
1,1'-Biphenyl
Concen: 76.237 ng
RT: 9.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:154 Resp: 1100720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.7 | 20.4 | 60.4 |
| 76 | 11.8 | 0.0 | 30.8 |

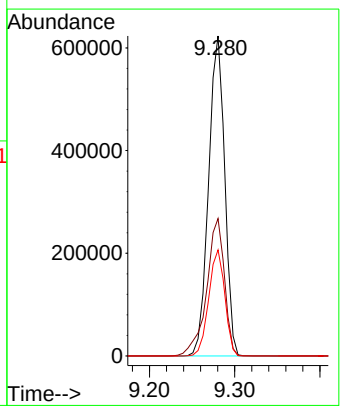


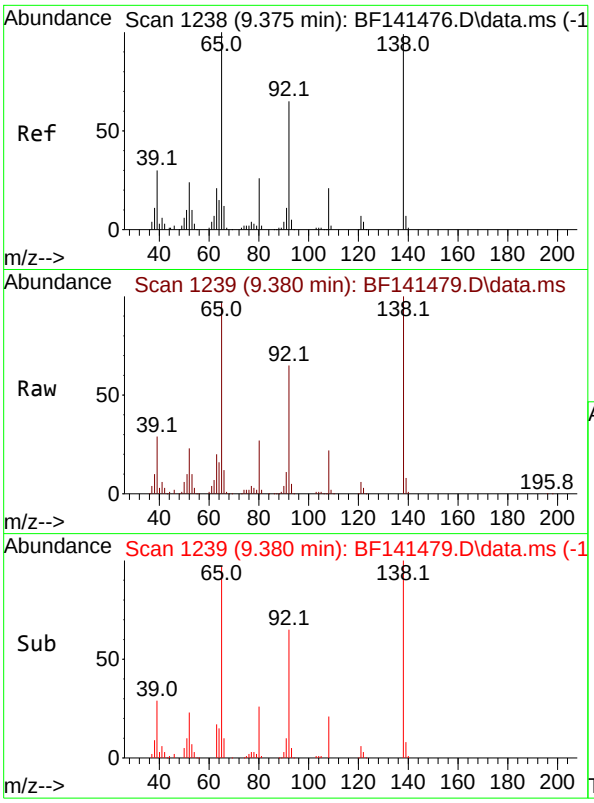




#47
2-Chloronaphthalene
Concen: 76.929 ng
RT: 9.280 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:162 Resp: 821334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.0 | 34.1 | 51.1 |
| 164 | 33.2 | 26.3 | 39.5 |



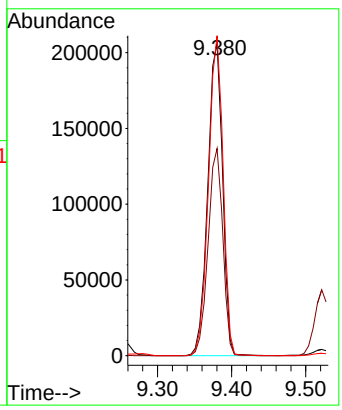


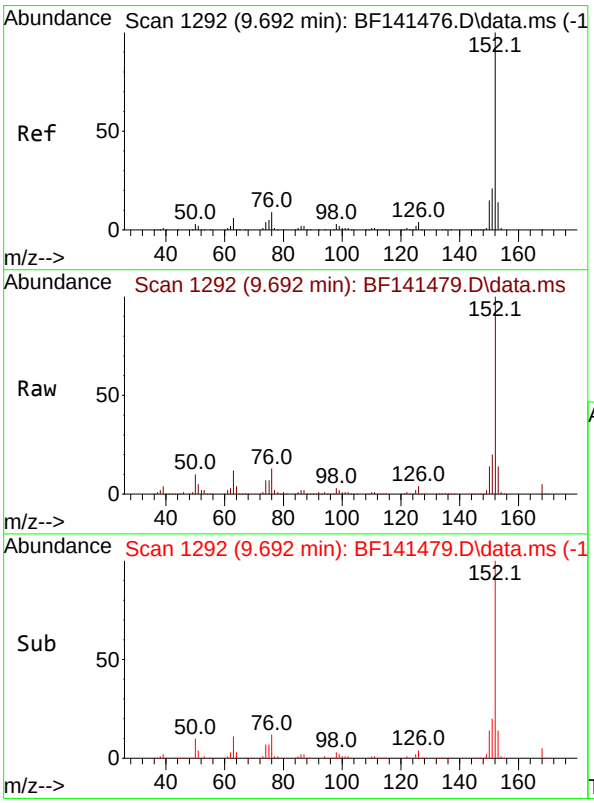

#48
2-Nitroaniline
Concen: 79.969 ng
RT: 9.380 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 65 Resp: 286532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 66.4 | 52.2 | 78.2 |
| 138 | 102.6 | 79.5 | 119.3 |

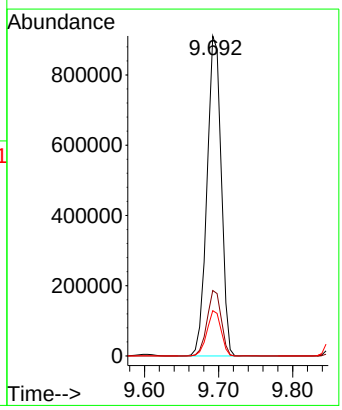


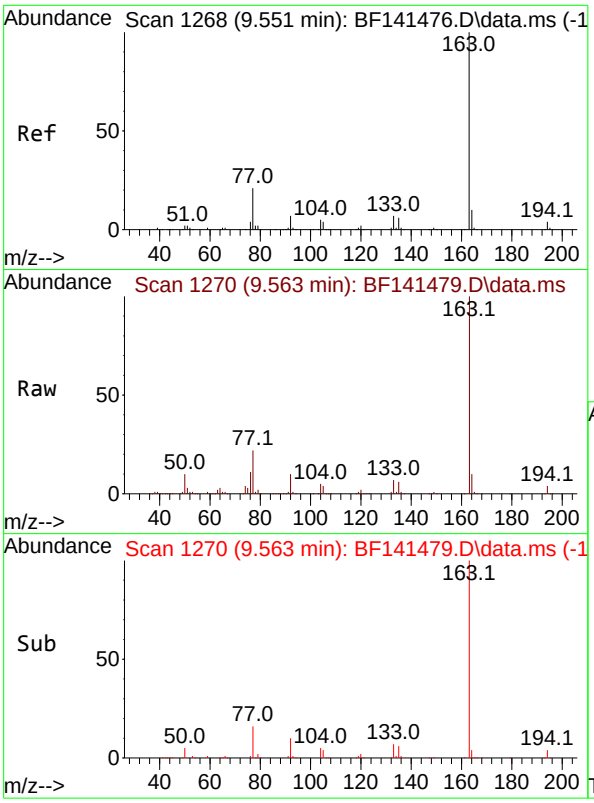




#49
Acenaphthylene
Concen: 76.291 ng
RT: 9.692 min Scan# 1292
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:152 Resp: 1211515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.4 | 16.4 | 24.6 |
| 153 | 14.1 | 10.9 | 16.3 |



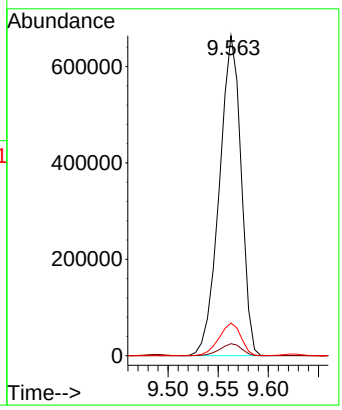


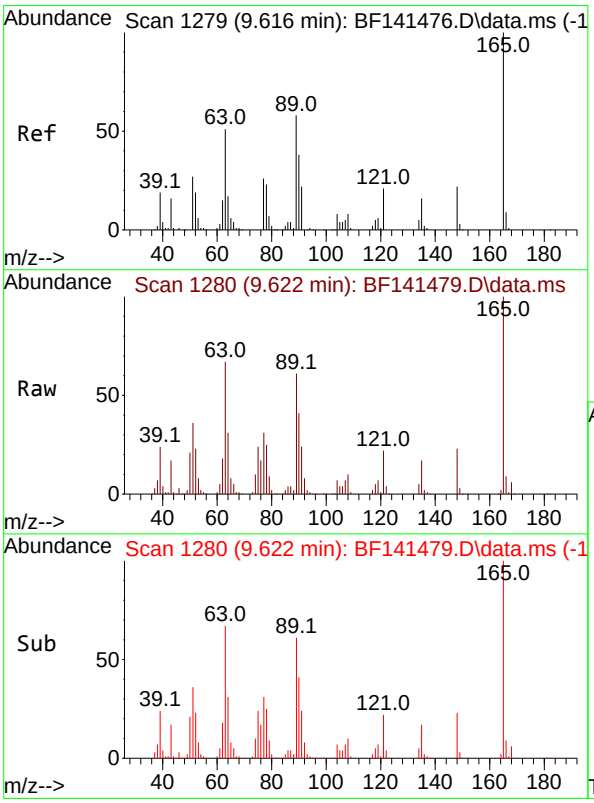

#50
Dimethylphthalate
Concen: 79.265 ng
RT: 9.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:163 Resp: 1002121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.4 |
| 164 | 10.2 | 7.9 | 11.9 |

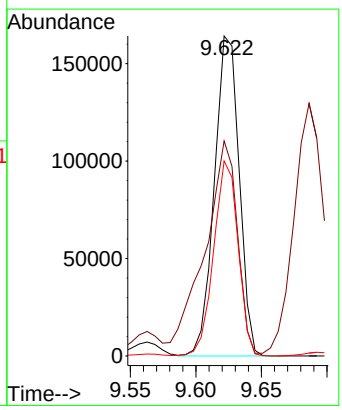


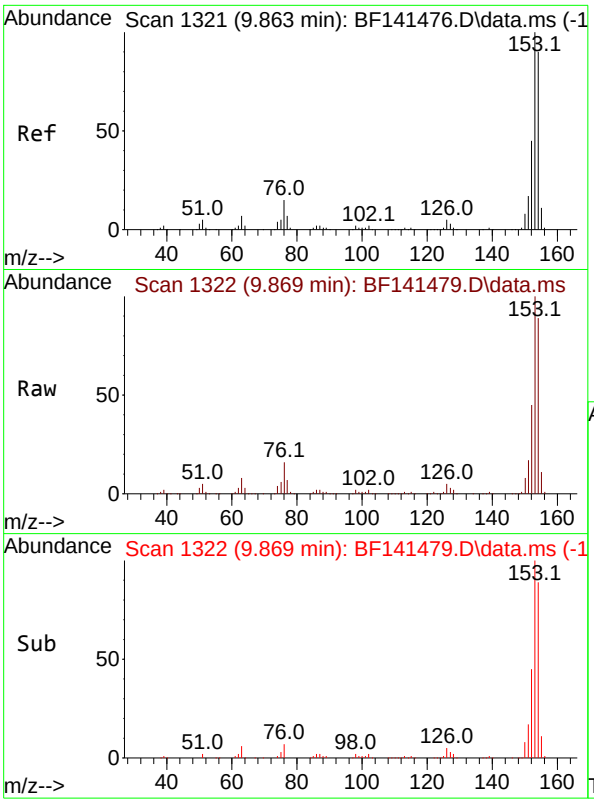




#51
2,6-Dinitrotoluene
Concen: 78.101 ng
RT: 9.622 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:165 Resp: 215853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 67.2 | 49.4 | 74.0 |
| 89 | 60.9 | 46.5 | 69.7 |



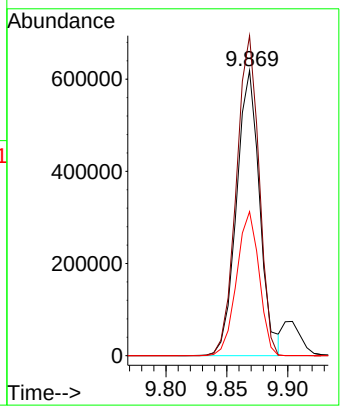


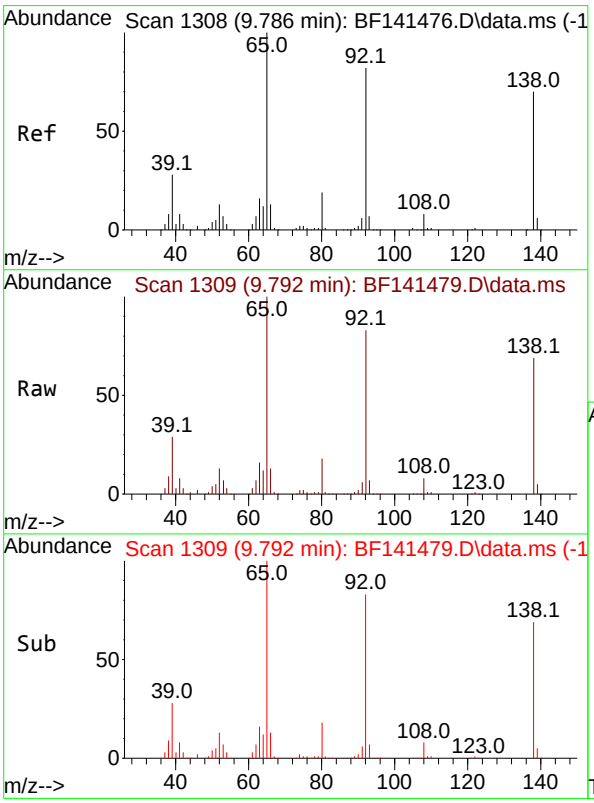

#52
Acenaphthene
Concen: 76.791 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:154 Resp: 819818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.2 | 89.2 | 133.8 |
| 152 | 50.5 | 39.8 | 59.8 |

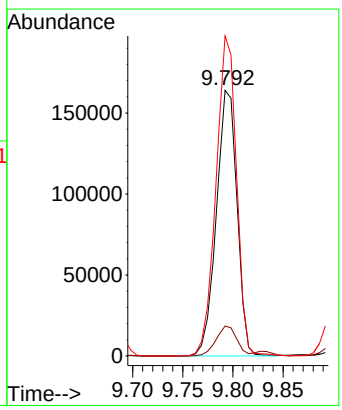


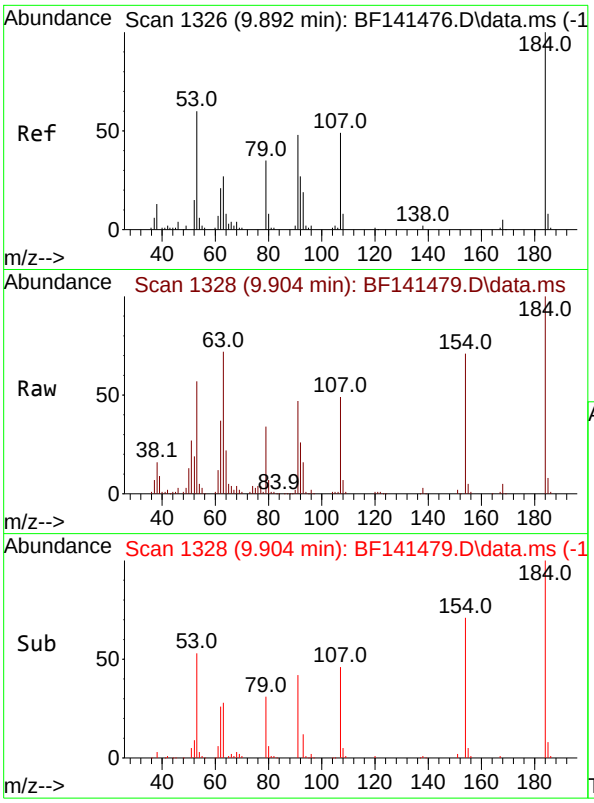




#53
3-Nitroaniline
Concen: 79.173 ng
RT: 9.792 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:138 Resp: 235511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.3 | 9.0 | 13.4 |
| 92 | 120.4 | 93.7 | 140.5 |



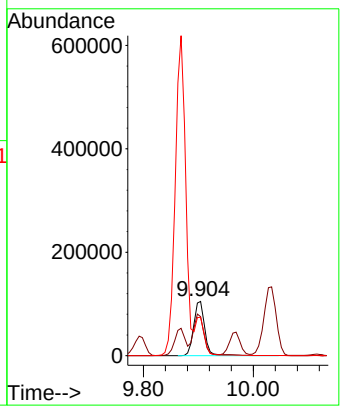


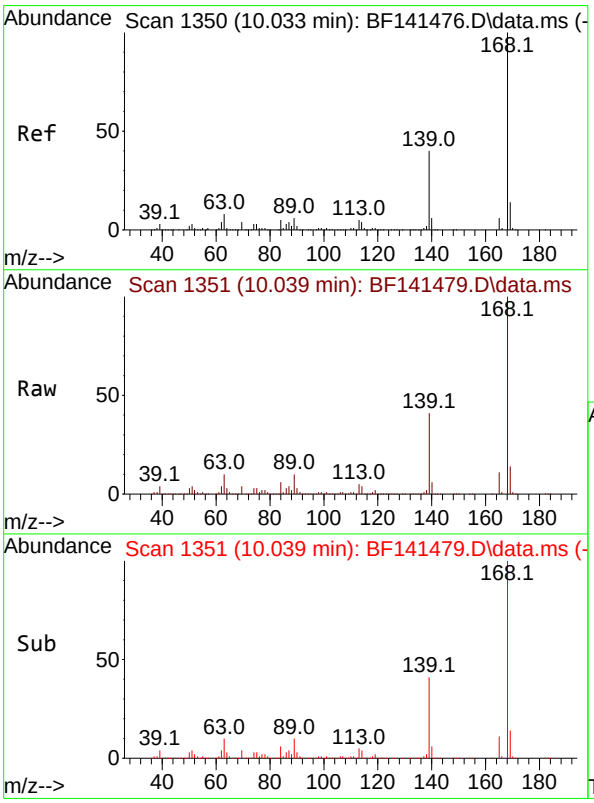

#54
2,4-Dinitrophenol
Concen: 89.960 ng
RT: 9.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:184 Resp: 147768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 72.1 | 61.0 | 91.6 |
| 154 | 70.8 | 59.9 | 89.9 |

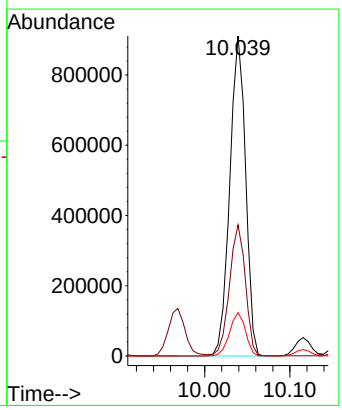


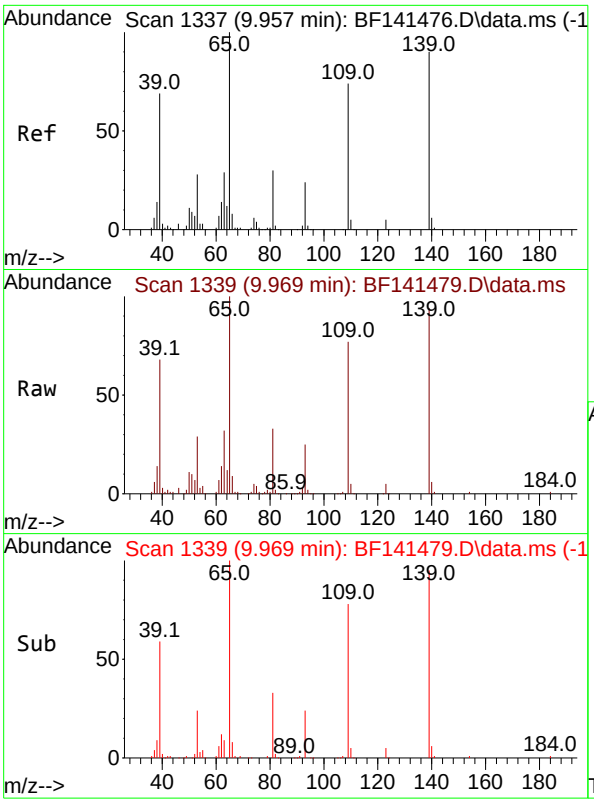




#55
Dibenzofuran
Concen: 74.928 ng
RT: 10.039 min Scan# 1351
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:168 Resp: 1174157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.9 | 32.7 | 49.1 |
| 169 | 13.6 | 10.8 | 16.2 |



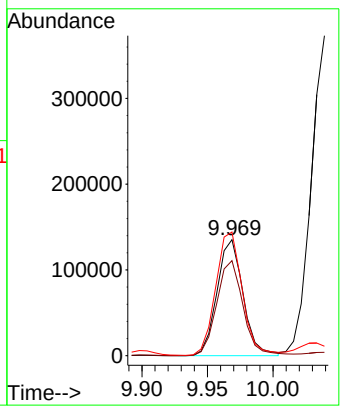


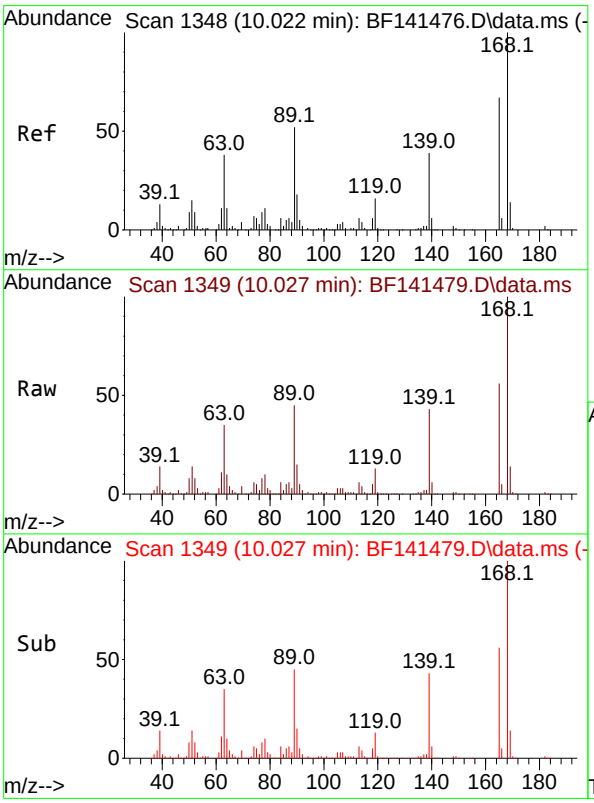

#56
4-Nitrophenol
Concen: 84.744 ng
RT: 9.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:139 Resp: 187131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 81.9 | 62.0 | 102.0 |
| 65 | 106.7 | 91.2 | 131.2 |

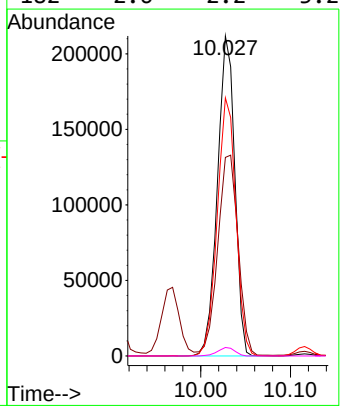


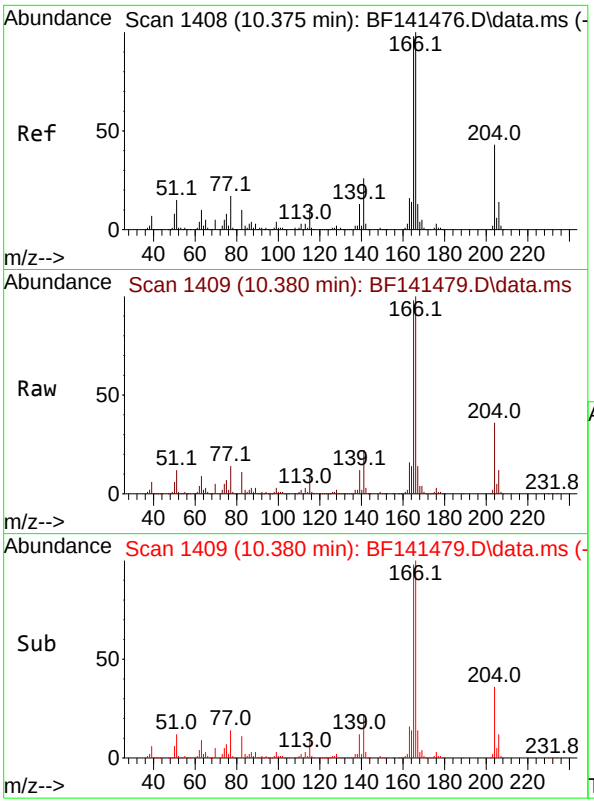




#57
2,4-Dinitrotoluene
Concen: 77.449 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:165 Resp: 284954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 62.1 | 46.4 | 69.6 |
| 89 | 80.7 | 61.8 | 92.6 |
| 182 | 2.6 | 2.2 | 3.2 |



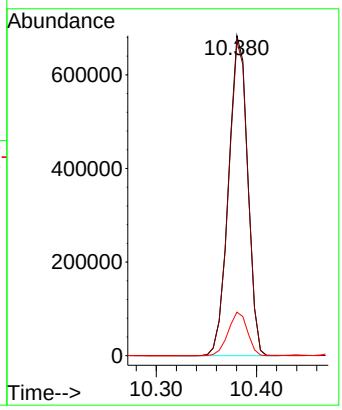


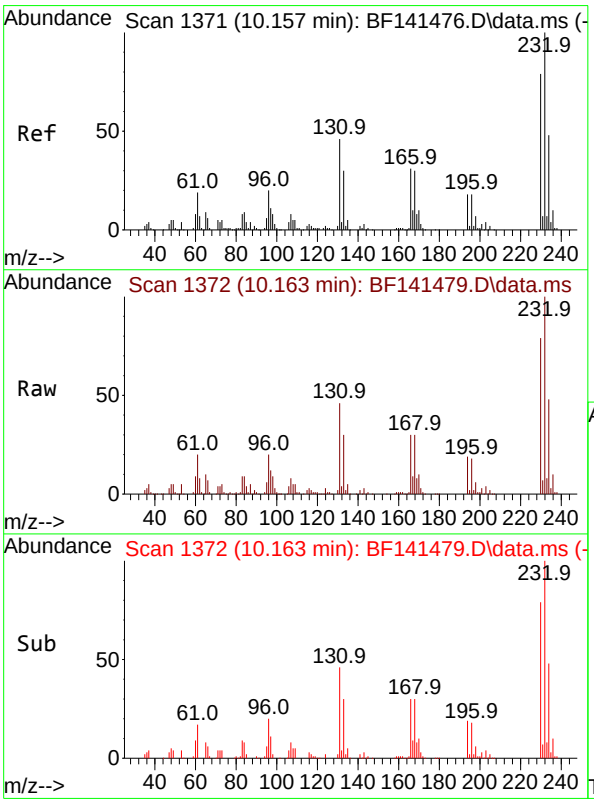

#58
Fluorene
Concen: 75.080 ng
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:166 Resp: 909704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.3 | 78.2 | 117.2 |
| 167 | 13.6 | 10.7 | 16.1 |

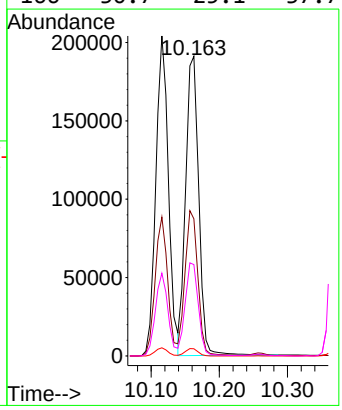


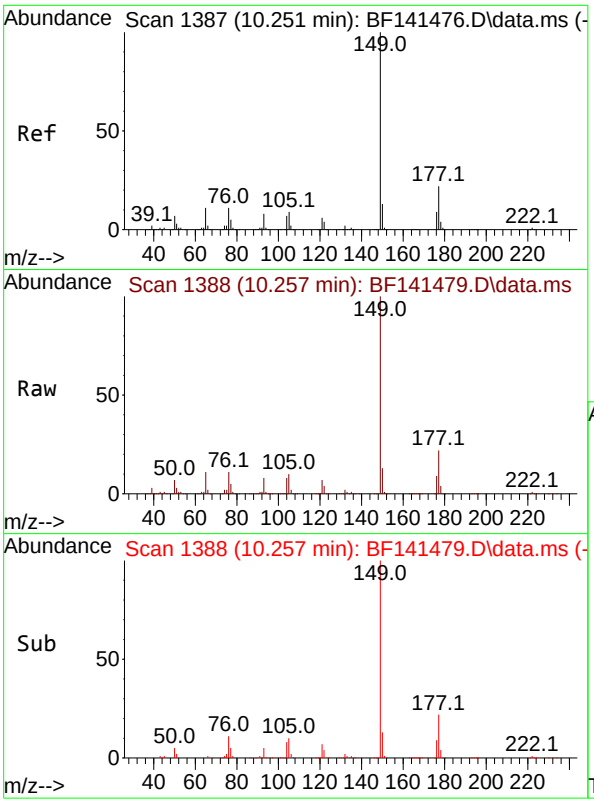




#59
2,3,4,6-Tetrachlorophenol
Concen: 78.006 ng
RT: 10.163 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:232 Resp: 253454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 47.1 | 39.2 | 58.8 |
| 130 | 2.4 | 2.1 | 3.1 |
| 166 | 30.7 | 25.1 | 37.7 |



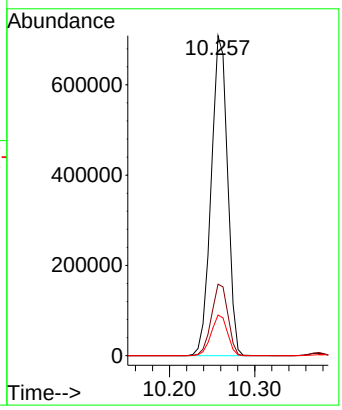


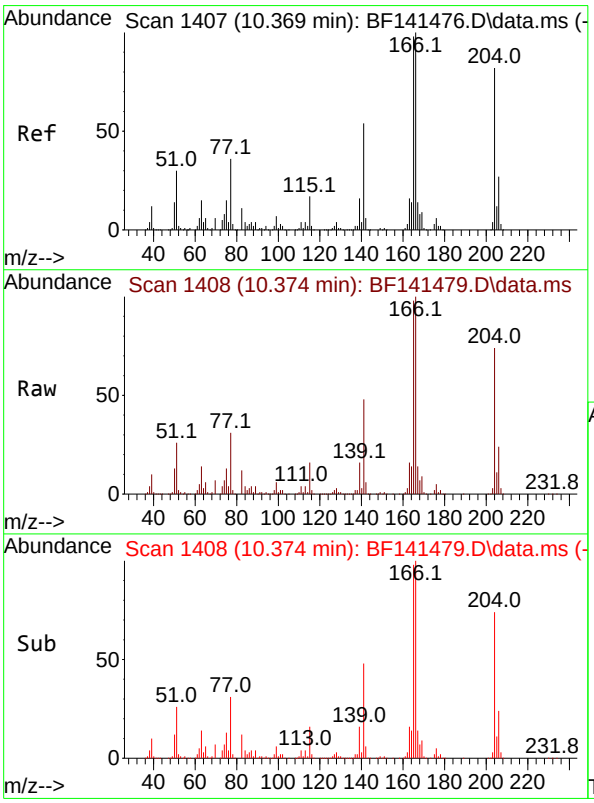

#60
Diethylphthalate
Concen: 75.995 ng
RT: 10.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 945293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.4 | 17.8 | 26.6 |
| 150 | 12.7 | 10.1 | 15.1 |

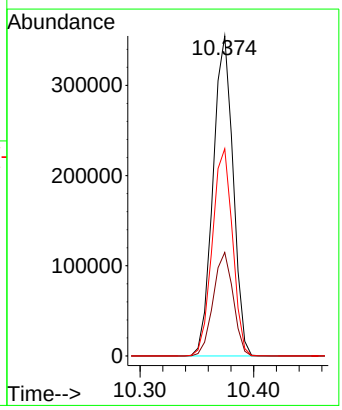


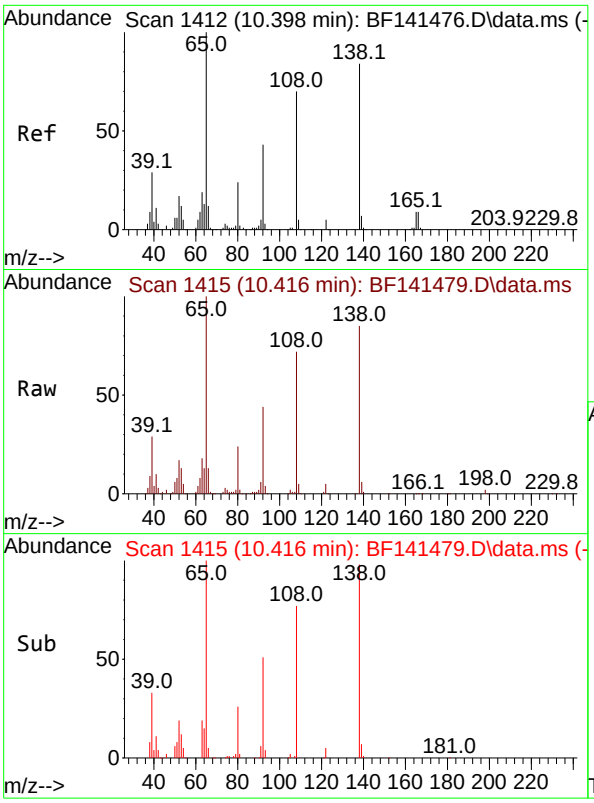




#61
4-Chlorophenyl-phenylether
Concen: 74.716 ng
RT: 10.374 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:204 Resp: 435522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.4 | 26.6 | 40.0 |
| 141 | 64.8 | 51.9 | 77.9 |



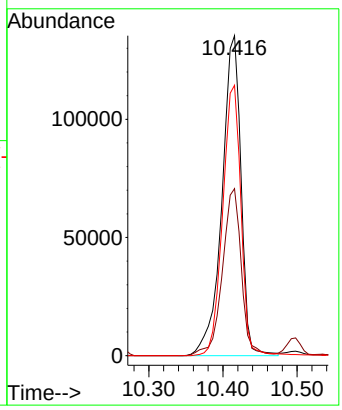


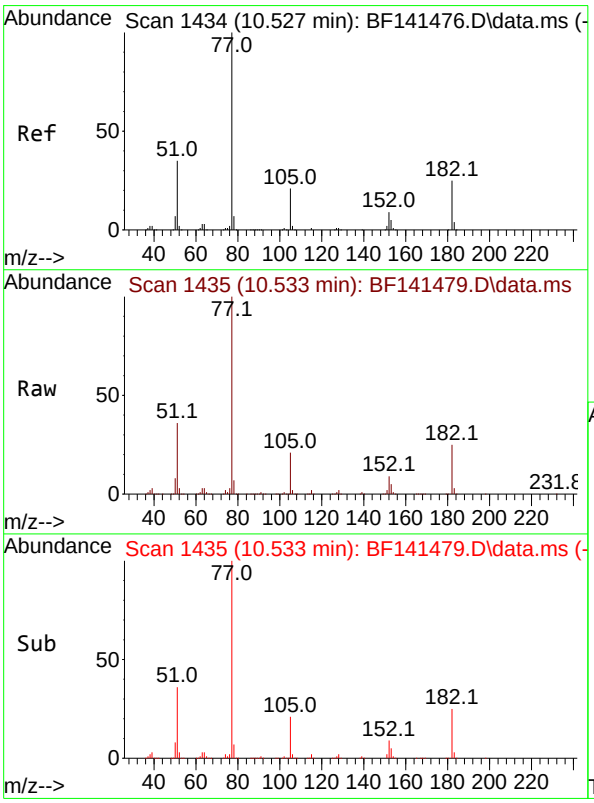

#62
4-Nitroaniline
Concen: 79.873 ng
RT: 10.416 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:138 Resp: 241257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 52.2 | 31.3 | 71.3 |
| 108 | 84.5 | 63.7 | 103.7 |

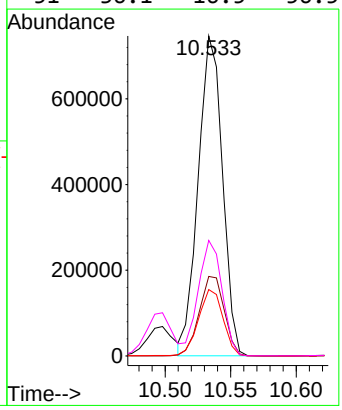


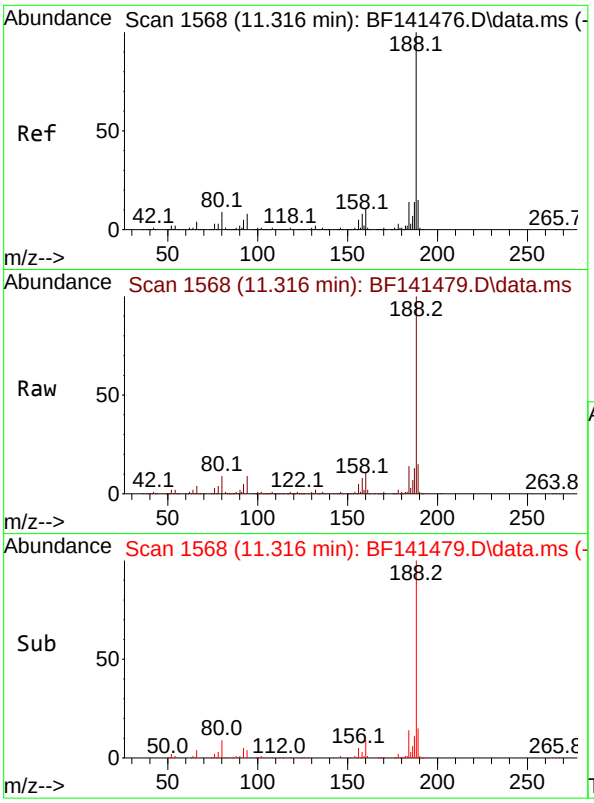




#63
Azobenzene
Concen: 77.931 ng
RT: 10.533 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 77 Resp: 963689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 24.9 | 4.7 | 44.7 |
| 105 | 20.8 | 0.4 | 40.4 |
| 51 | 36.1 | 16.5 | 56.5 |



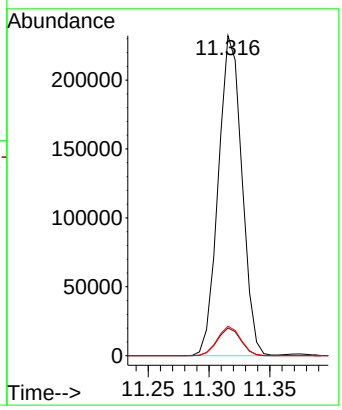


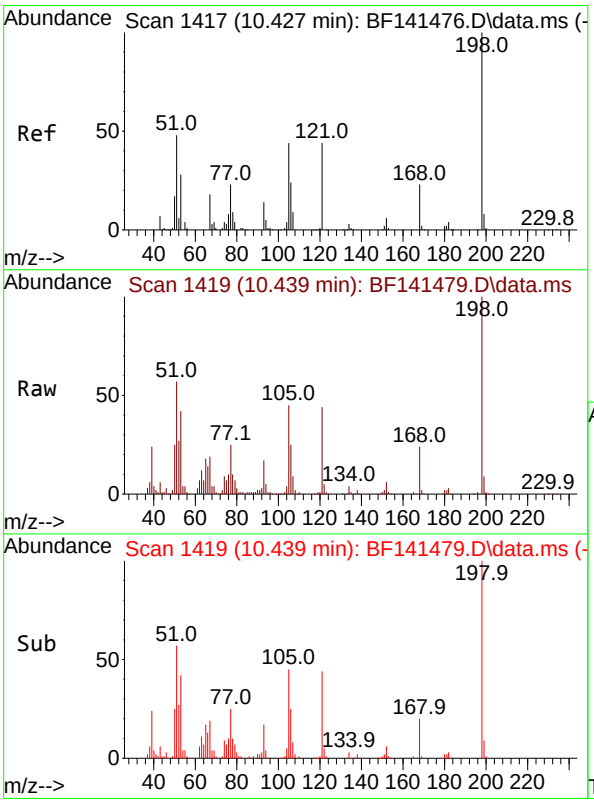

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:188 Resp: 312902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.6 | 6.6 | 10.0 |
| 80 | 9.2 | 7.3 | 10.9 |

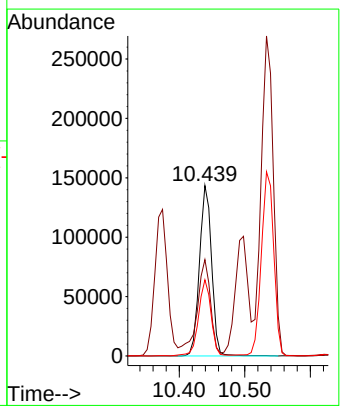


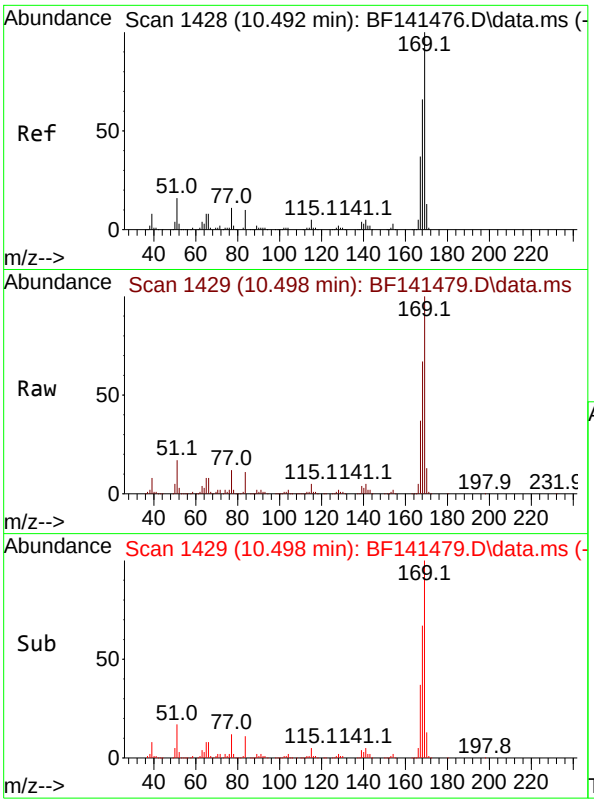




#65
4,6-Dinitro-2-methylphenol
Concen: 85.309 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:198 Resp: 185427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 56.6 | 37.4 | 77.4 |
| 105 | 44.7 | 25.2 | 65.2 |



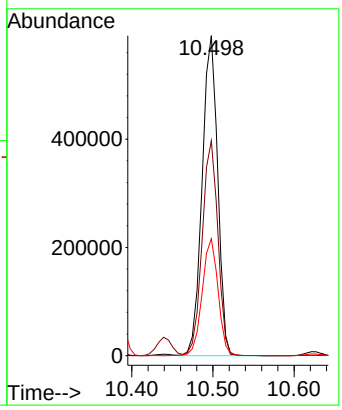


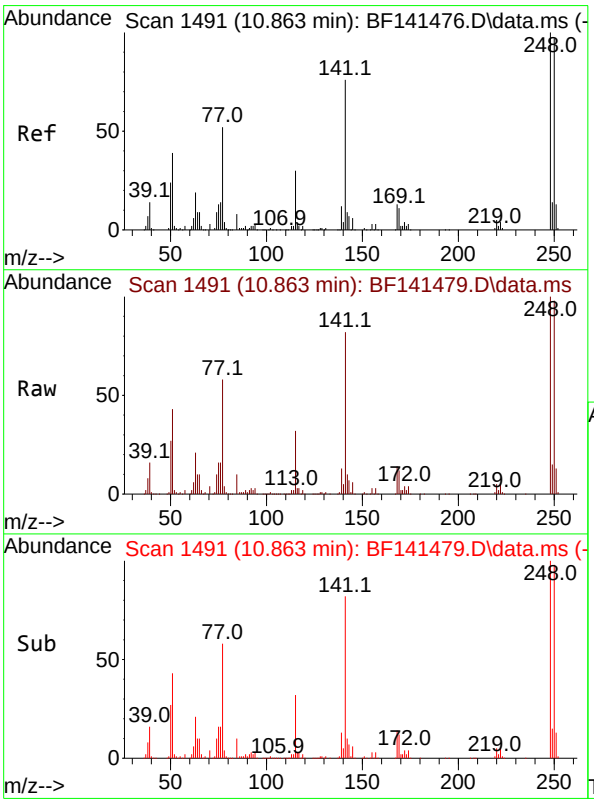

#66
n-Nitrosodiphenylamine
Concen: 78.404 ng
RT: 10.498 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:169 Resp: 785313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.2 | 53.3 | 79.9 |
| 167 | 36.6 | 29.4 | 44.2 |

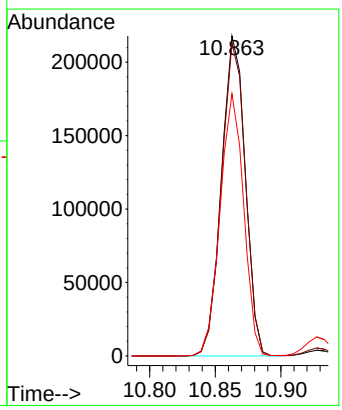


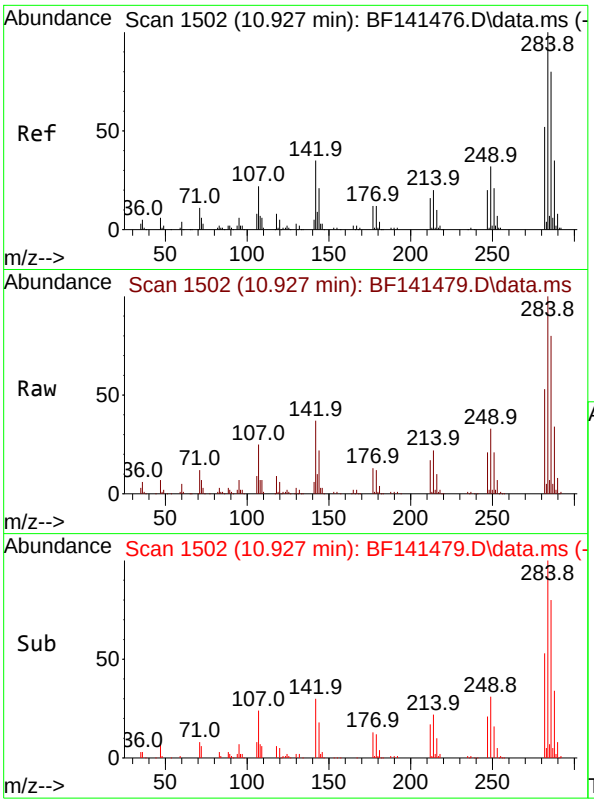




#67
4-Bromophenyl-phenylether
Concen: 78.988 ng
RT: 10.863 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:248 Resp: 276228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.8 | 77.8 | 116.6 |
| 141 | 81.9 | 60.6 | 90.8 |



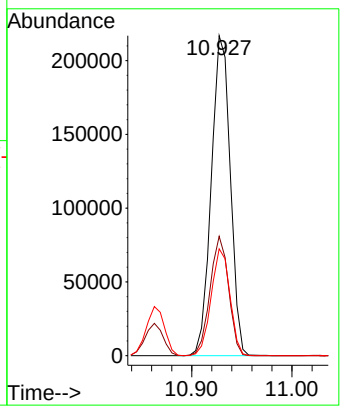


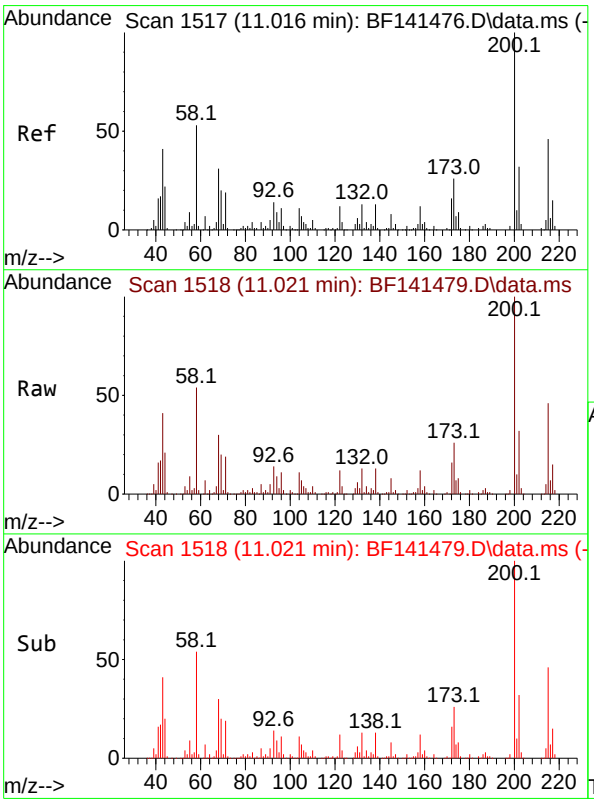

#68
Hexachlorobenzene
Concen: 79.174 ng
RT: 10.927 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:284 Resp: 285111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 37.3 | 28.0 | 42.0 |
| 249 | 33.4 | 25.8 | 38.8 |

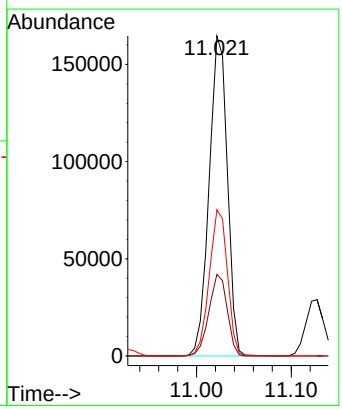


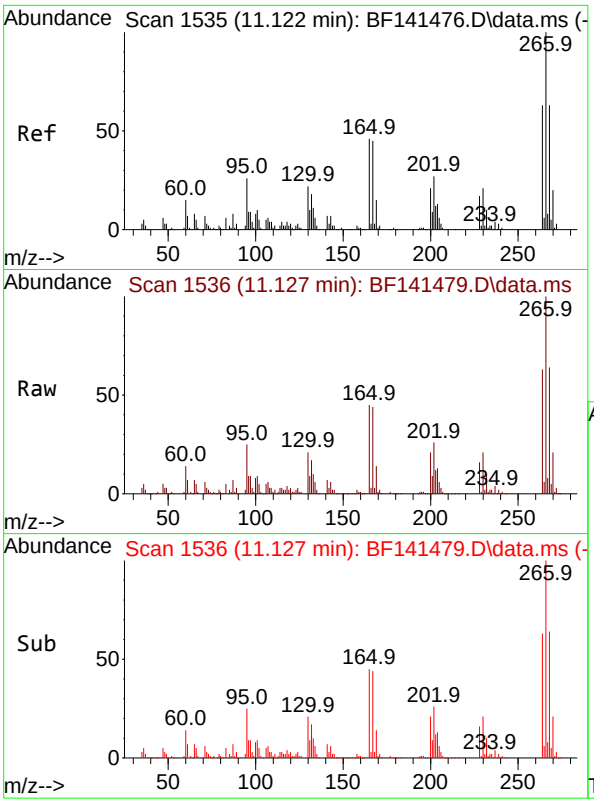




#69
Atrazine
Concen: 73.188 ng
RT: 11.021 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:200 Resp: 219923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.5 | 5.9 | 45.9 |
| 215 | 45.7 | 25.9 | 65.9 |



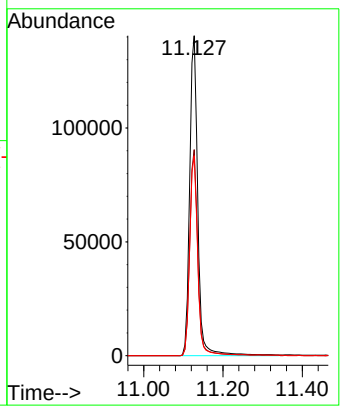


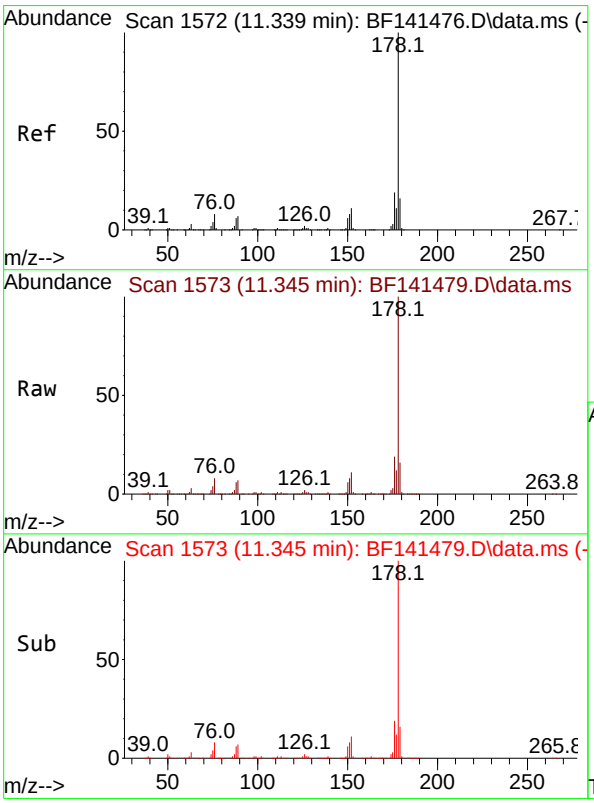

#70
Pentachlorophenol
Concen: 87.100 ng
RT: 11.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:266 Resp: 200556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.4 | 50.1 | 75.1 |
| 264 | 62.5 | 50.1 | 75.1 |

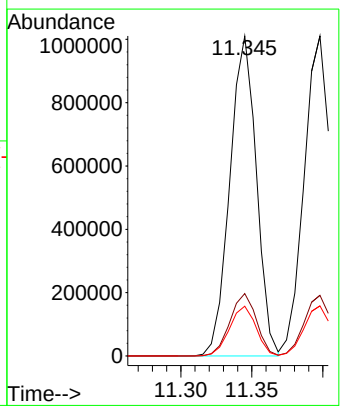


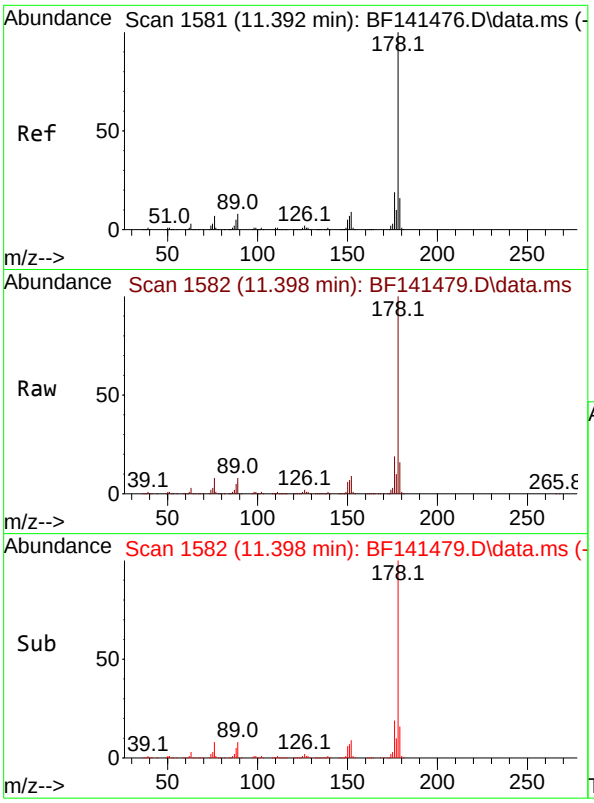




#71
Phenanthrene
Concen: 76.201 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:178 Resp: 1312474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.4 | 23.0 |
| 179 | 15.6 | 12.4 | 18.6 |



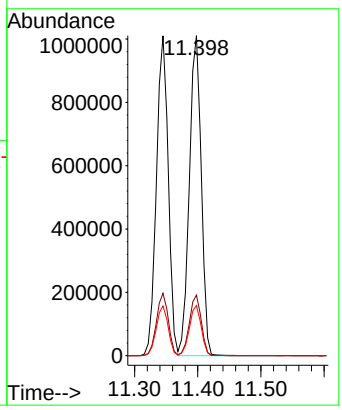


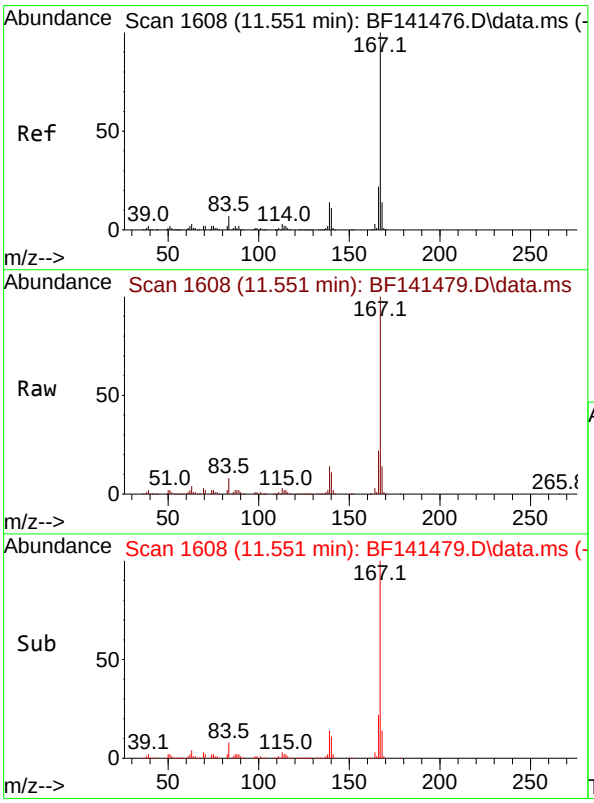

#72
Anthracene
Concen: 76.380 ng
RT: 11.398 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:178 Resp: 1322462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 14.8 | 22.2 |
| 179 | 15.6 | 12.4 | 18.6 |

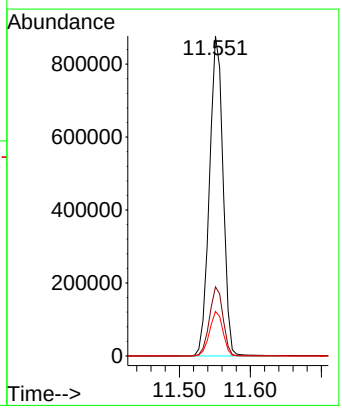


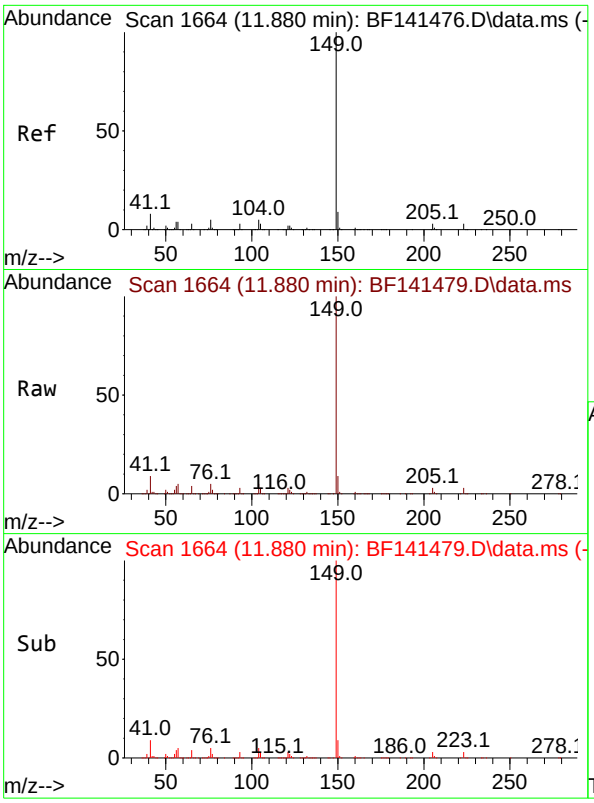




#73
Carbazole
Concen: 74.989 ng
RT: 11.551 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:167 Resp: 1168253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.4 | 26.2 |
| 139 | 13.9 | 10.9 | 16.3 |



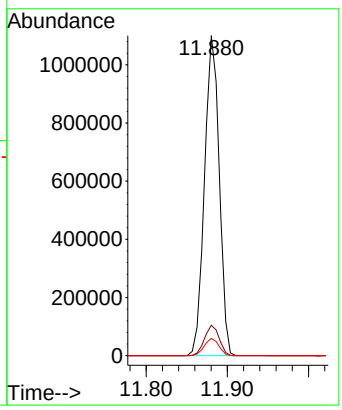


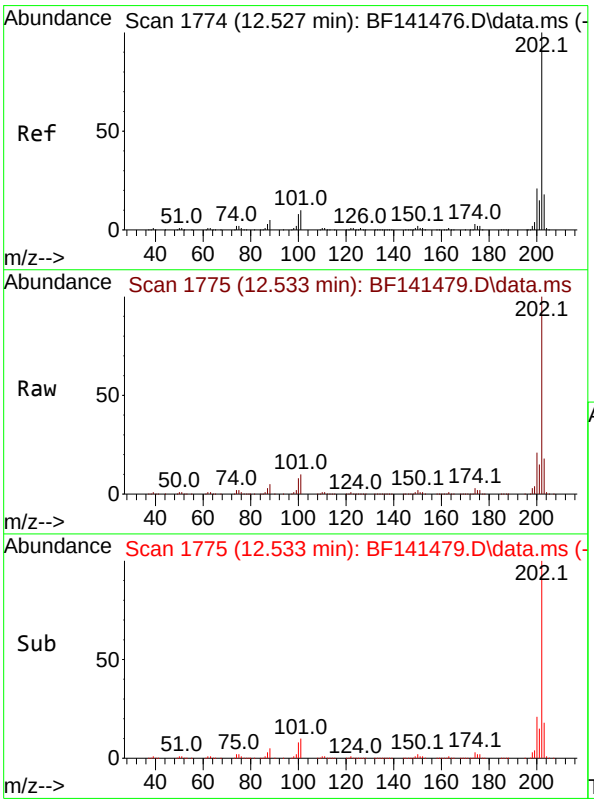

#74
Di-n-butylphthalate
Concen: 76.865 ng
RT: 11.880 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 1382706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.5 | 7.4 | 11.0 |
| 104 | 5.4 | 4.2 | 6.2 |

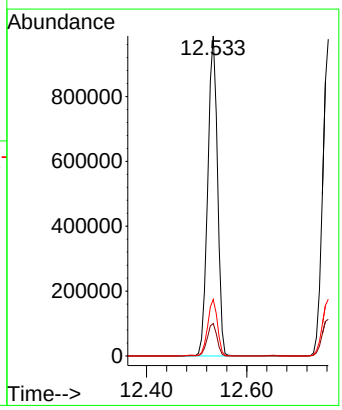


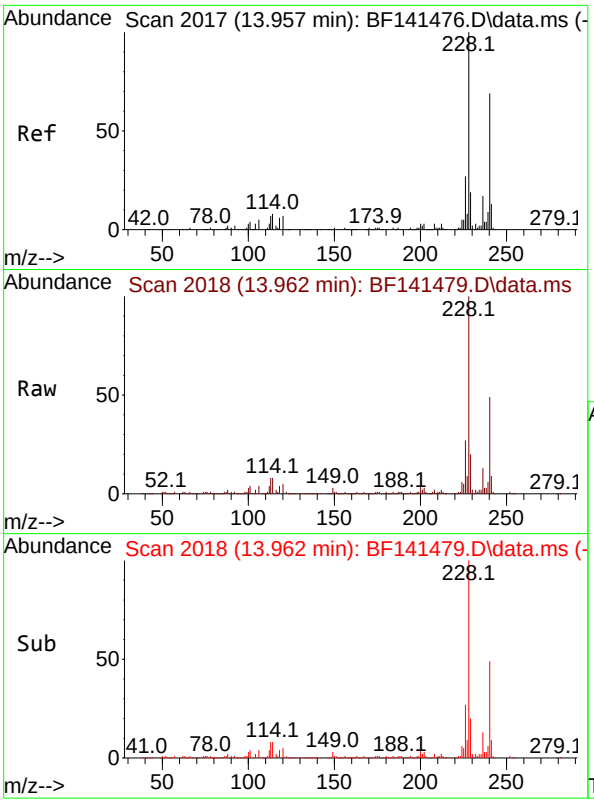




#75
Fluoranthene
Concen: 73.011 ng
RT: 12.533 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:202 Resp: 1333237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.2 | 0.0 | 30.2 |
| 203 | 17.6 | 0.0 | 37.6 |



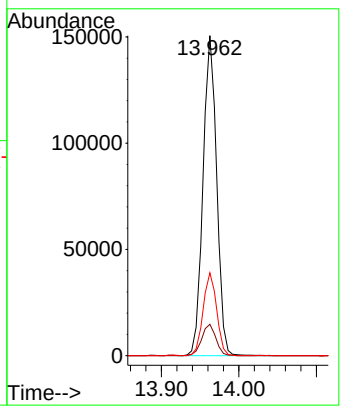


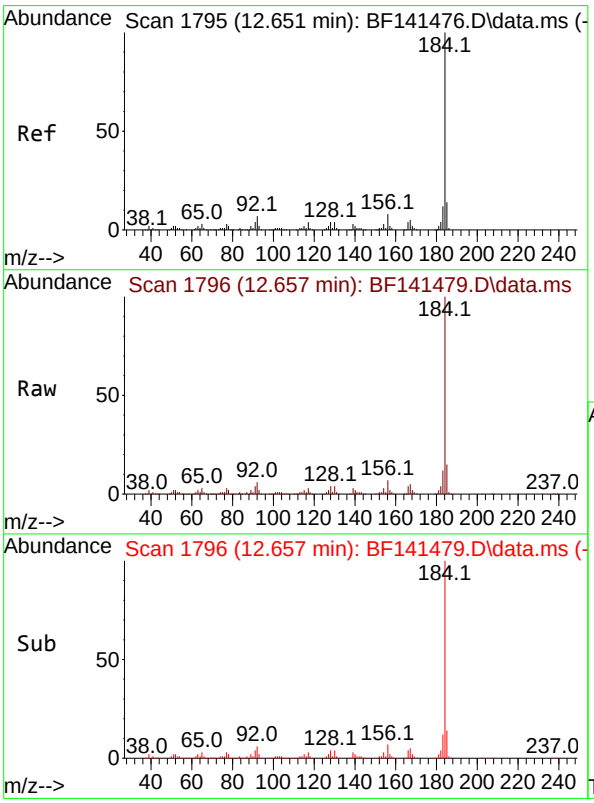

#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:240 Resp: 184347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.8 | 8.0 | 12.0 |
| 236 | 25.9 | 19.8 | 29.8 |

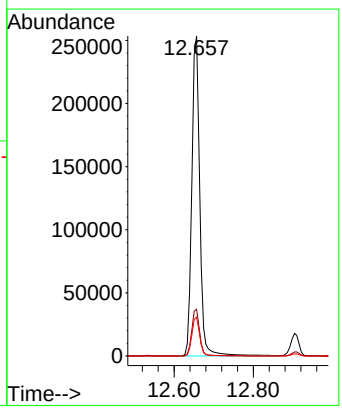


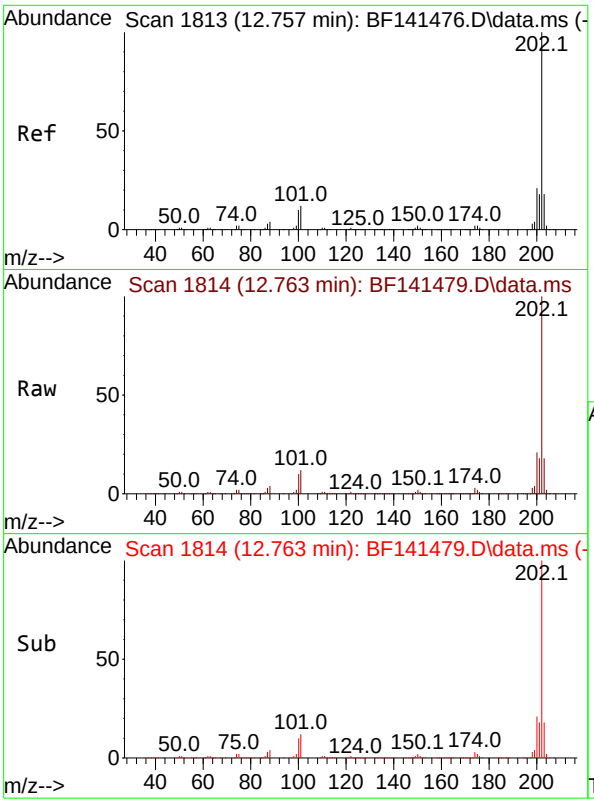




#77
Benzidine
Concen: 87.207 ng
RT: 12.657 min Scan# 1796
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:184 Resp: 354555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.6 | 11.3 | 16.9 |
| 183 | 12.1 | 9.3 | 13.9 |



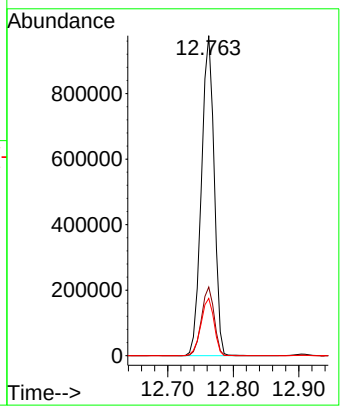


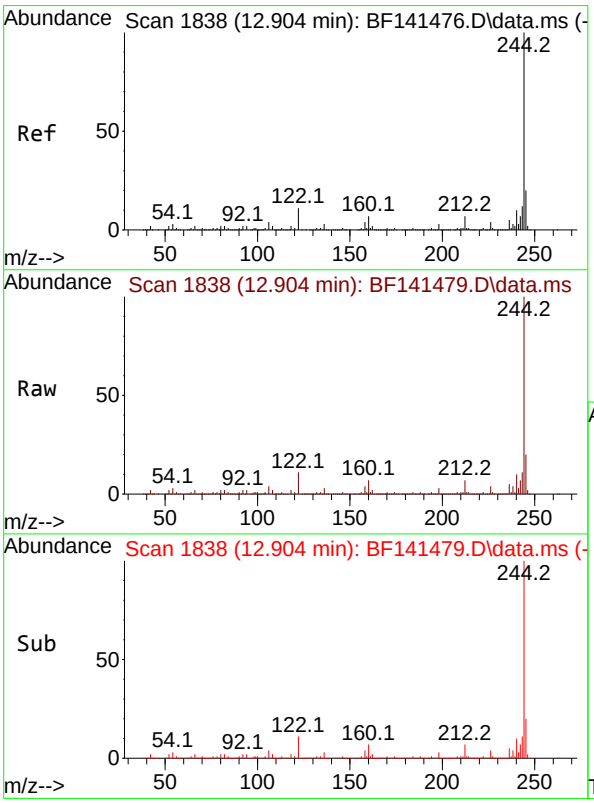

#78
Pyrene
Concen: 84.086 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:202 Resp: 1319554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.4 | 17.0 | 25.4 |
| 203 | 17.9 | 14.3 | 21.5 |

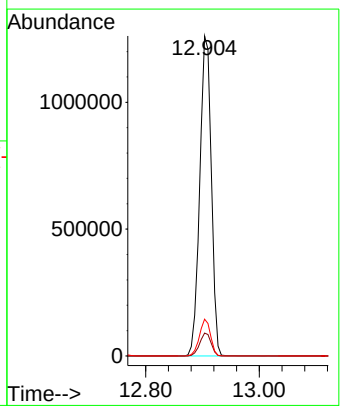


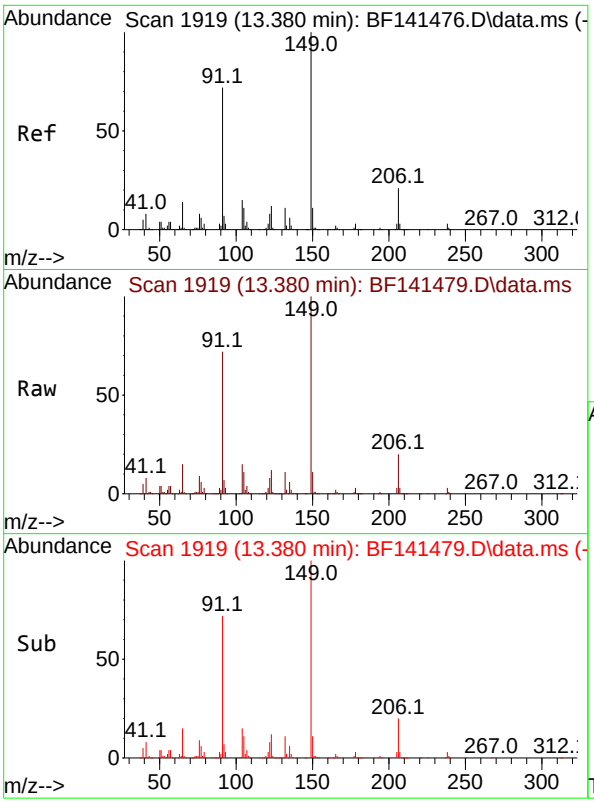




#79
Terphenyl-d14
Concen: 163.152 ng
RT: 12.904 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:244 Resp: 1781602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 5.6 | 8.4 |
| 122 | 11.5 | 8.4 | 12.6 |



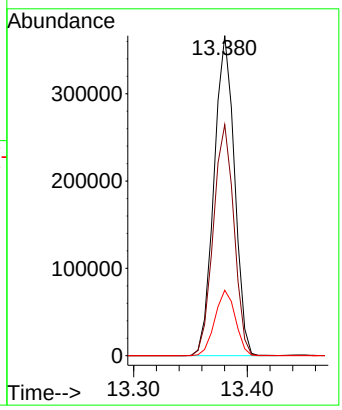


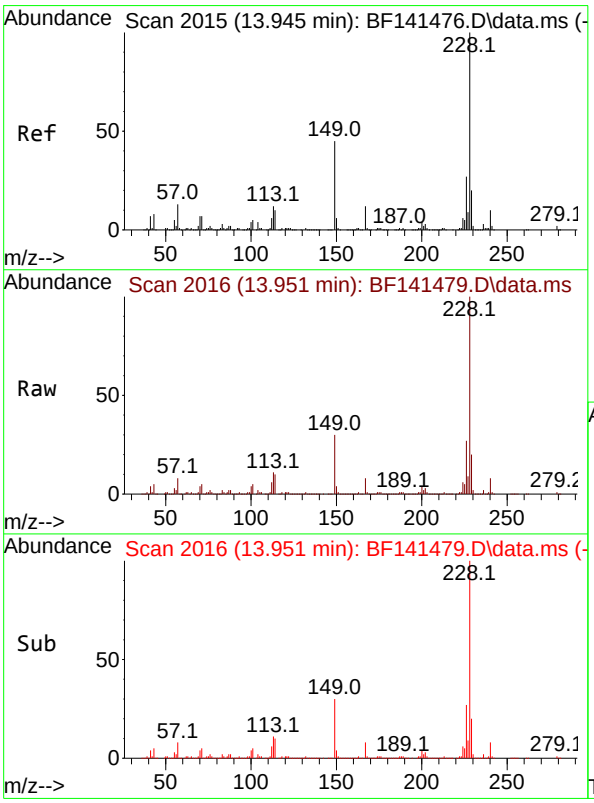

#80
Butylbenzylphthalate
Concen: 84.592 ng
RT: 13.380 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 459803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.2 | 57.8 | 86.8 |
| 206 | 20.4 | 16.7 | 25.1 |

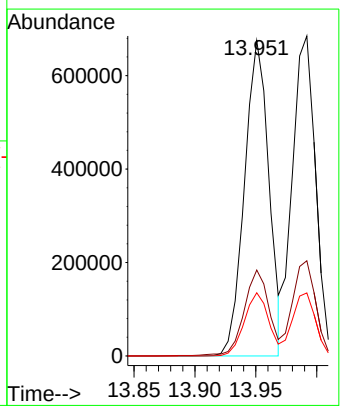


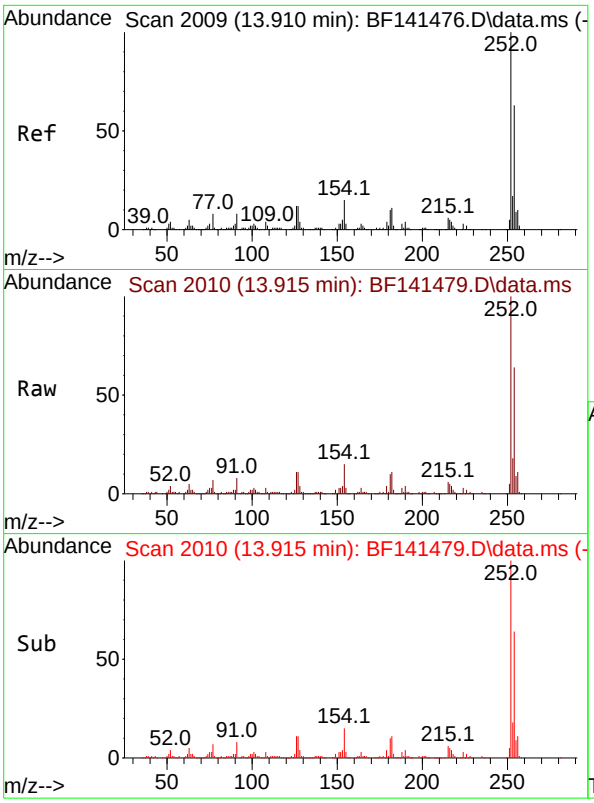




#81
Benzo(a)anthracene
Concen: 76.977 ng
RT: 13.951 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:228 Resp: 943291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 21.8 | 32.8 |
| 229 | 20.0 | 15.8 | 23.6 |



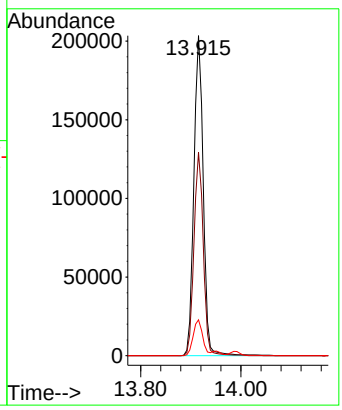


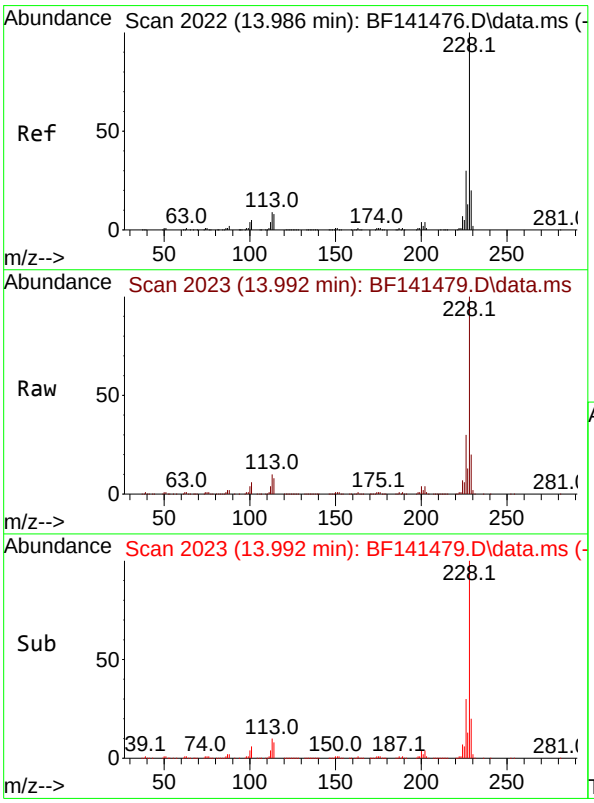

#82
3,3'-Dichlorobenzidine
Concen: 75.143 ng
RT: 13.915 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 263773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.6 | 50.6 | 76.0 |
| 126 | 11.2 | 9.3 | 13.9 |

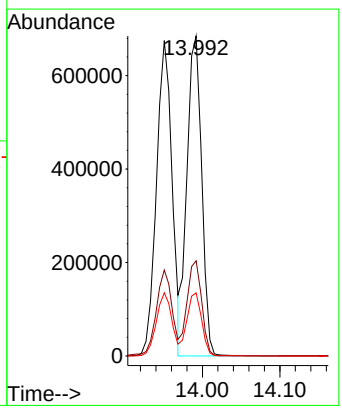


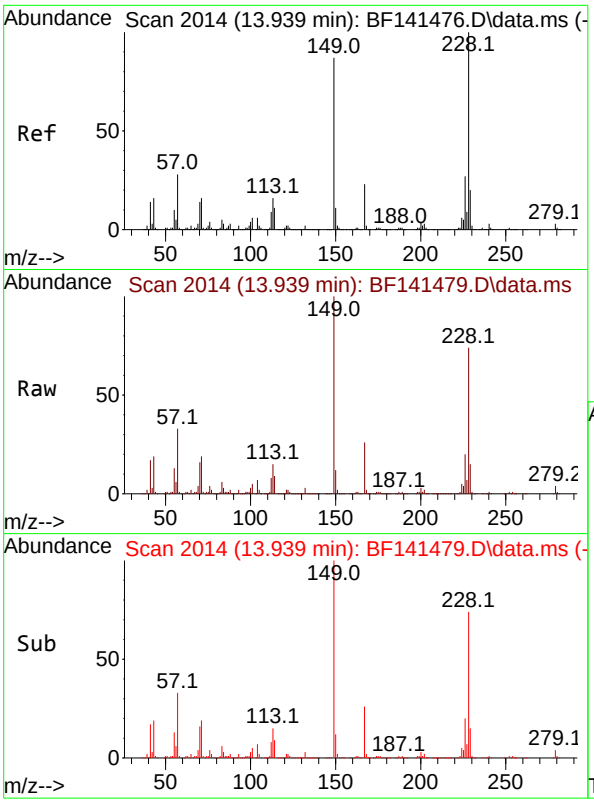




#83
Chrysene
Concen: 80.108 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:228 Resp: 906415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 24.0 | 36.0 |
| 229 | 19.7 | 15.7 | 23.5 |



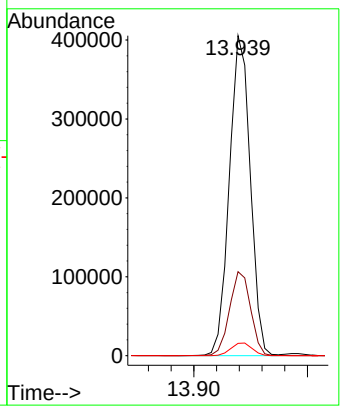


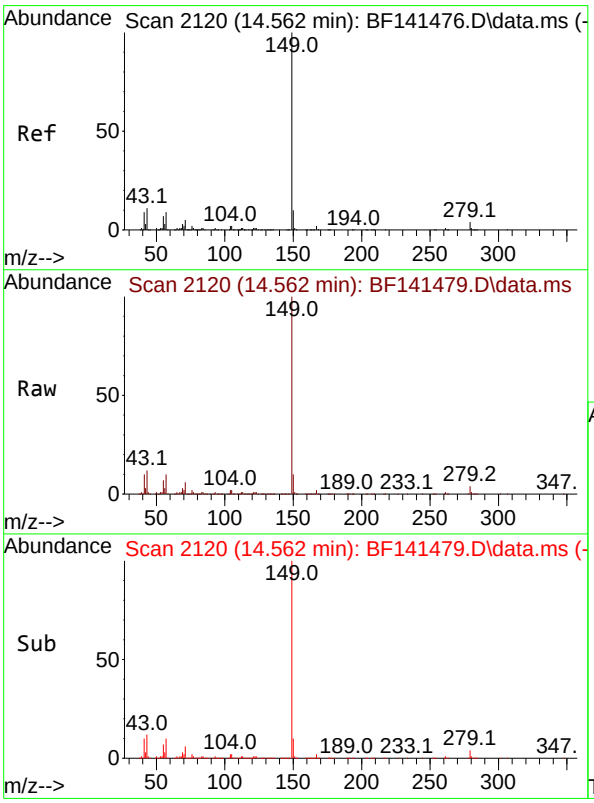

#84
Bis(2-ethylhexyl)phthalate
Concen: 84.477 ng
RT: 13.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 517884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.3 | 21.4 | 32.0 |
| 279 | 3.9 | 3.1 | 4.7 |

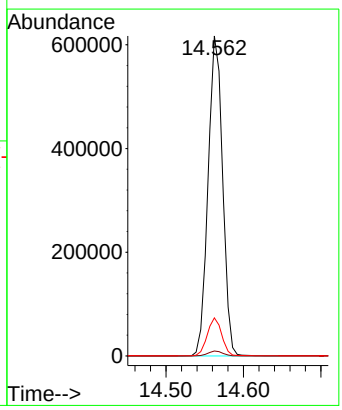


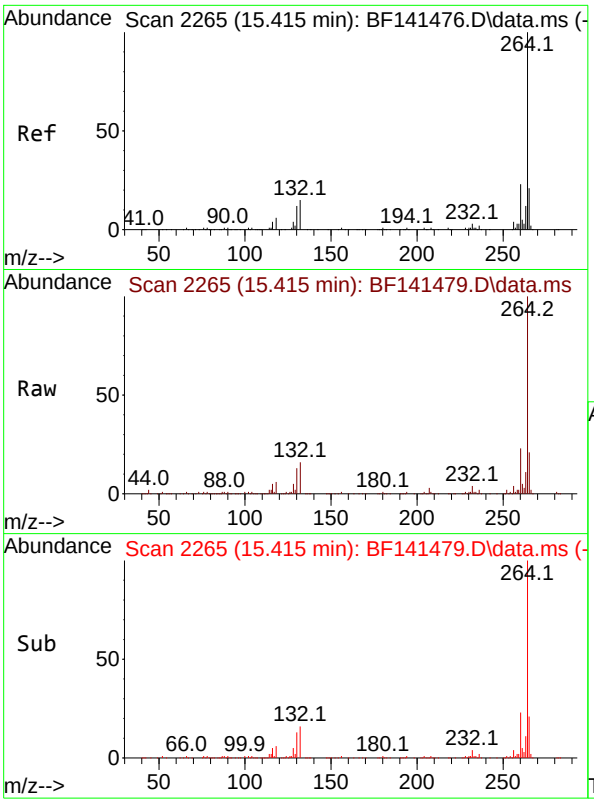




#85
Di-n-octyl phthalate
Concen: 91.886 ng
RT: 14.562 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:149 Resp: 803601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 11.8 | 9.5 | 14.3 |



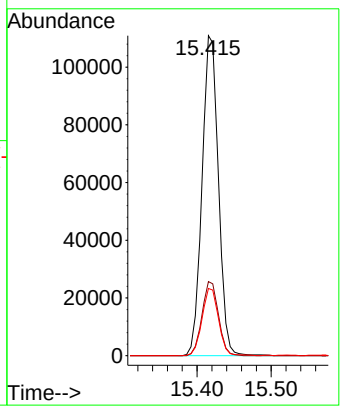


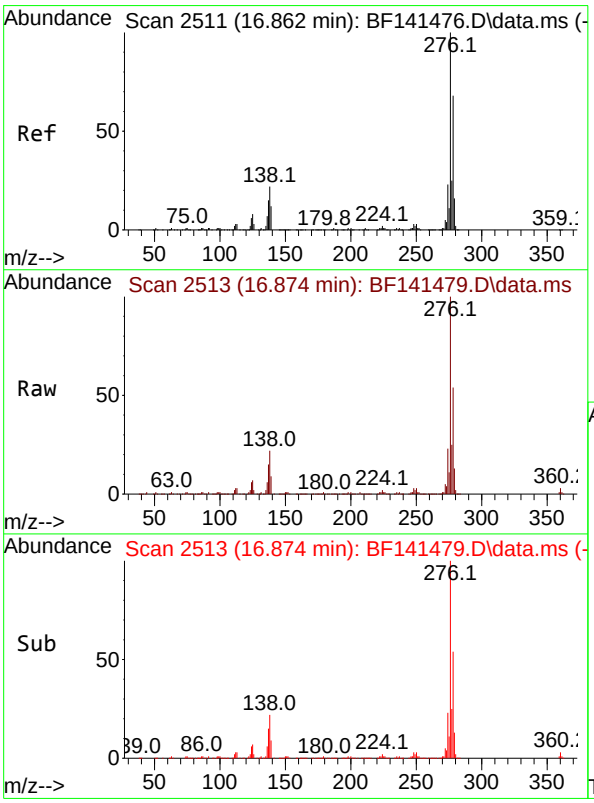

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:264 Resp: 170605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 18.6 | 28.0 |
| 265 | 21.0 | 17.0 | 25.4 |

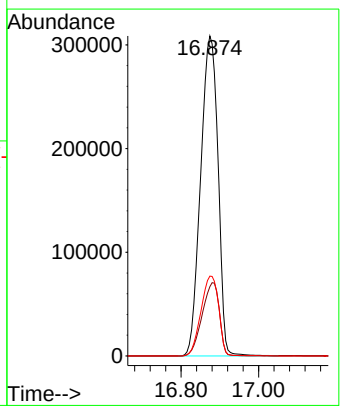


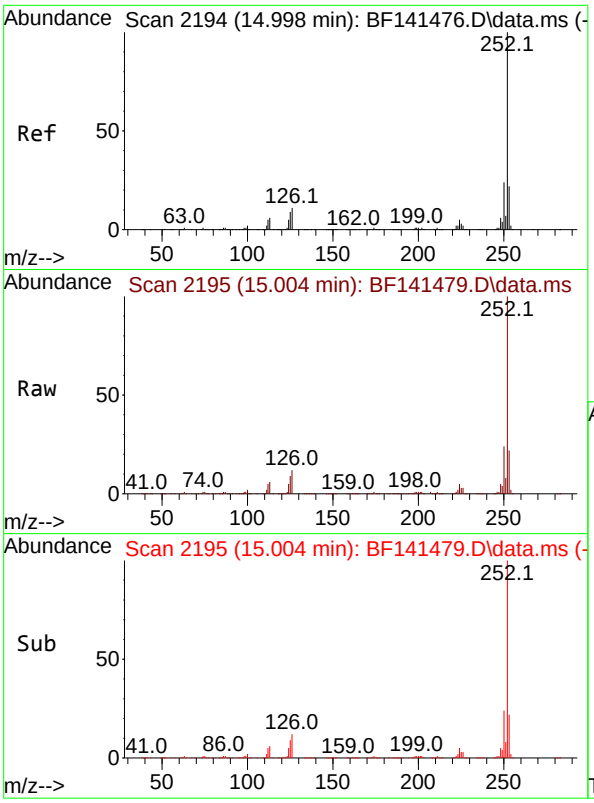




#87
Indeno(1,2,3-cd)pyrene
Concen: 91.166 ng
RT: 16.874 min Scan# 2513
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:276 Resp: 961023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.7 | 18.0 | 27.0 |
| 277 | 25.4 | 20.4 | 30.6 |



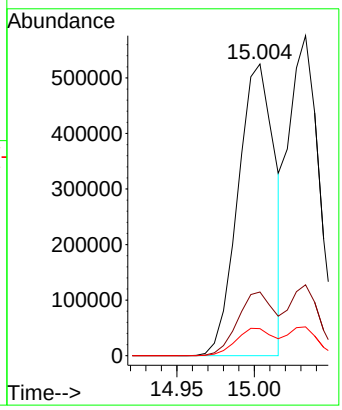


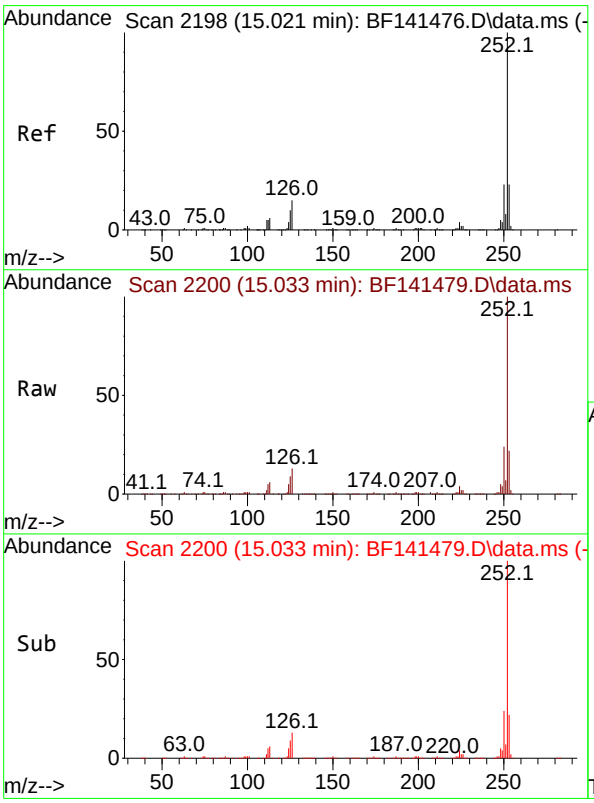

#88
Benzo(b)fluoranthene
Concen: 75.529 ng
RT: 15.004 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 865205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.5 | 26.3 |
| 125 | 9.3 | 7.0 | 10.6 |

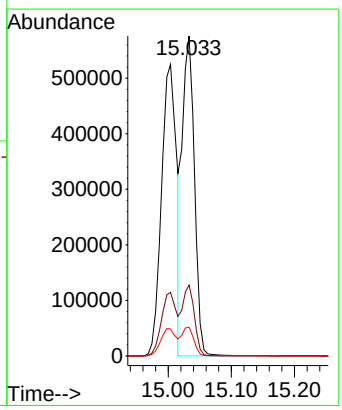


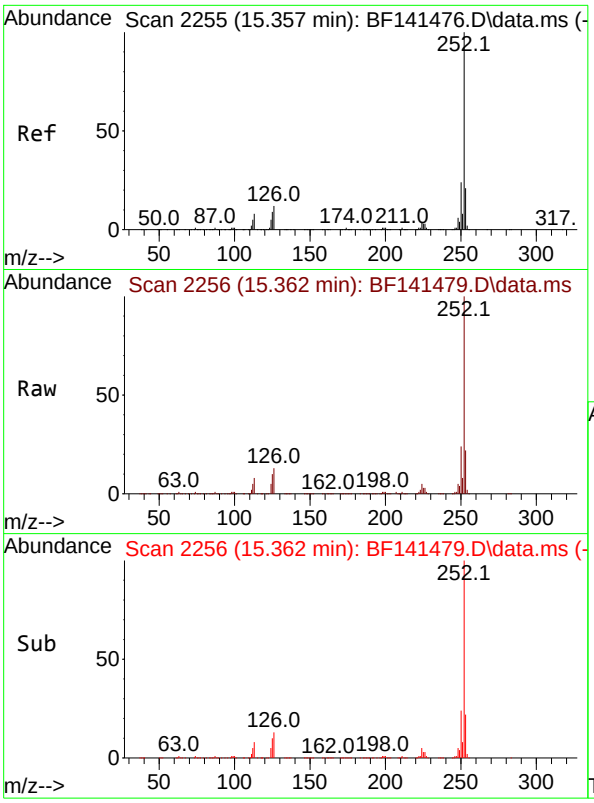




#89
Benzo(k)fluoranthene
Concen: 79.364 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:252 Resp: 776323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 18.0 | 27.0 |
| 125 | 9.0 | 7.4 | 11.0 |



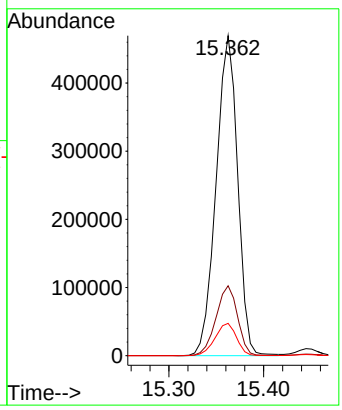


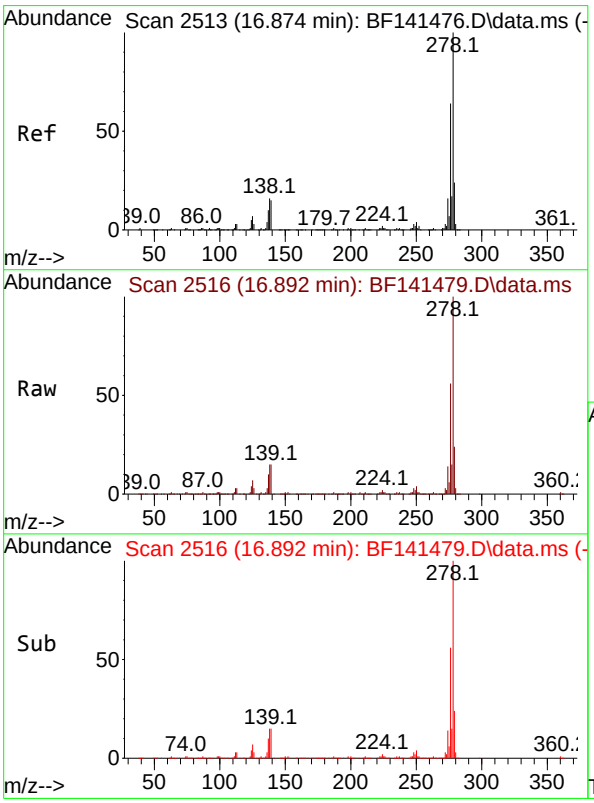

#90
Benzo(a)pyrene
Concen: 80.150 ng
RT: 15.362 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 742932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.1 | 25.7 |
| 125 | 10.1 | 7.4 | 11.2 |

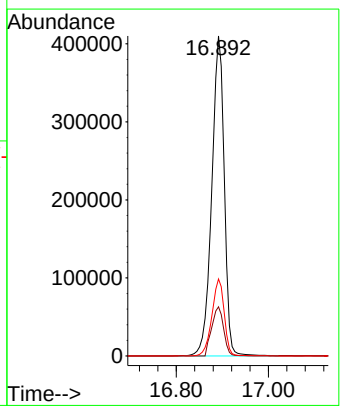


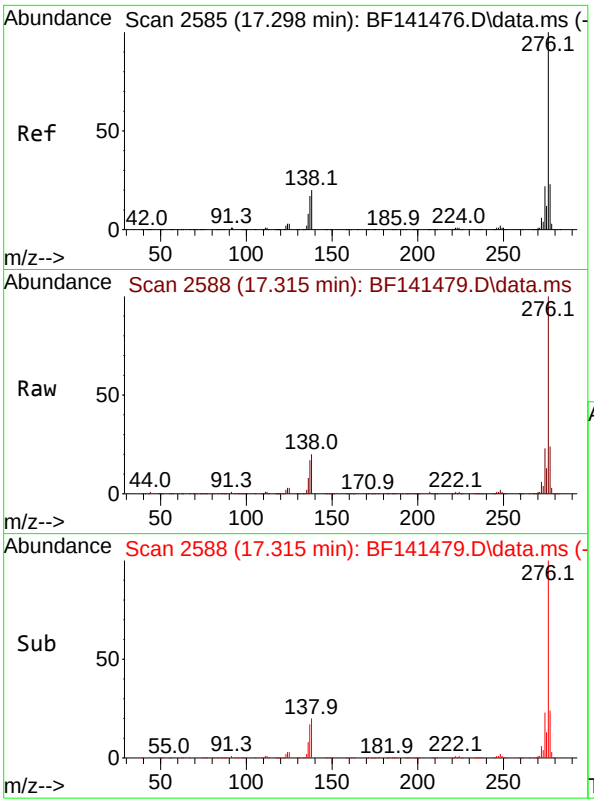




#91
Dibenzo(a,h)anthracene
Concen: 90.578 ng
RT: 16.892 min Scan# 2516
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:278 Resp: 773684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.3 | 11.8 | 17.6 |
| 279 | 24.1 | 19.1 | 28.7 |



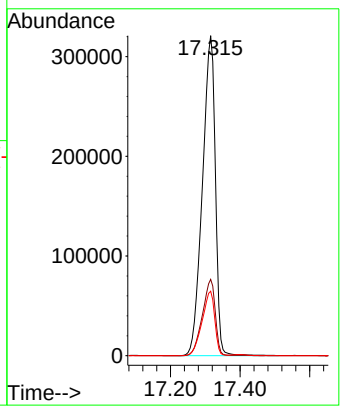



#92
Benzo(g,h,i)perylene
Concen: 93.015 ng
RT: 17.315 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:276 Resp: 831418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 18.6 | 28.0 |
| 138 | 20.2 | 15.9 | 23.9 |



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.787 | 152 | 90009 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.069 | 136 | 362467 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.828 | 164 | 197991 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.316 | 188 | 337289 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.963 | 240 | 252530 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.427 | 264 | 199389 | 20.000 | ng | 0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.404 | 112 | 470176 | 81.894 | ng | 0.00 |
| 7) Phenol-d6 | 6.428 | 99 | 586892 | 80.878 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.357 | 82 | 544613 | 78.369 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.622 | 330 | 158098 | 79.490 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.151 | 172 | 1012492 | 78.786 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.904 | 244 | 1133126 | 75.750 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.475 | 88 | 93282 | 40.369 | ng | 99 |
| 3) Pyridine | 3.205 | 79 | 230604 | 41.938 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.158 | 42 | 151656 | 41.653 | ng | 97 |
| 6) Aniline | 6.451 | 93 | 284762 | 41.834 | ng | 92 |
| 8) 2-Chlorophenol | 6.575 | 128 | 251415 | 40.527 | ng | 96 |
| 9) Benzaldehyde | 6.340 | 77 | 154649 | 40.105 | ng | 99 |
| 10) Phenol | 6.446 | 94 | 306753 | 40.615 | ng | 97 |
| 11) bis(2-Chloroethyl)ether | 6.528 | 93 | 226152 | 39.866 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.728 | 146 | 264052 | 40.317 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.804 | 146 | 267068 | 39.911 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 6.957 | 146 | 250623 | 40.354 | ng | 99 |
| 15) Benzyl Alcohol | 6.934 | 79 | 228379 | 41.041 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.069 | 45 | 393626 | 40.535 | ng | 98 |
| 17) 2-Methylphenol | 7.051 | 107 | 197905 | 40.768 | ng | 99 |
| 18) Hexachloroethane | 7.298 | 117 | 101687 | 41.061 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.204 | 70 | 173832 | 40.048 | ng | 100 |
| 20) 3+4-Methylphenols | 7.204 | 107 | 247254 | 40.073 | ng | 98 |
| 22) Acetophenone | 7.198 | 105 | 353867 | 39.246 | ng | 100 |
| 24) Nitrobenzene | 7.375 | 77 | 267193 | 39.429 | ng | 100 |
| 25) Isophorone | 7.610 | 82 | 440640 | 39.767 | ng | 100 |
| 26) 2-Nitrophenol | 7.687 | 139 | 136248 | 40.413 | ng | 98 |
| 27) 2,4-Dimethylphenol | 7.728 | 122 | 157242 | 39.924 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.822 | 93 | 282744 | 39.822 | ng | 100 |
| 29) 2,4-Dichlorophenol | 7.934 | 162 | 211891 | 39.818 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.016 | 180 | 227379 | 39.237 | ng | 100 |
| 31) Naphthalene | 8.093 | 128 | 741255 | 39.287 | ng | 100 |
| 32) Benzoic acid | 7.857 | 122 | 164966 | 40.324 | ng | 98 |
| 33) 4-Chloroaniline | 8.145 | 127 | 267977 | 40.680 | ng | 99 |
| 34) Hexachlorobutadiene | 8.210 | 225 | 139658 | 40.144 | ng | 99 |
| 35) Caprolactam | 8.516 | 113 | 66599 | 41.104 | ng | 99 |
| 36) 4-Chloro-3-methylphenol | 8.634 | 107 | 235824 | 40.006 | ng | 100 |
| 37) 2-Methylnaphthalene | 8.787 | 142 | 475273 | 38.710 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.881 | 142 | 464346 | 39.049 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.951 | 216 | 230166 | 40.182 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 8.934 | 237 | 73834 | 38.754 | ng | 97 |
| 43) 2,4,6-Trichlorophenol | 9.063 | 196 | 147770 | 39.914 | ng | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

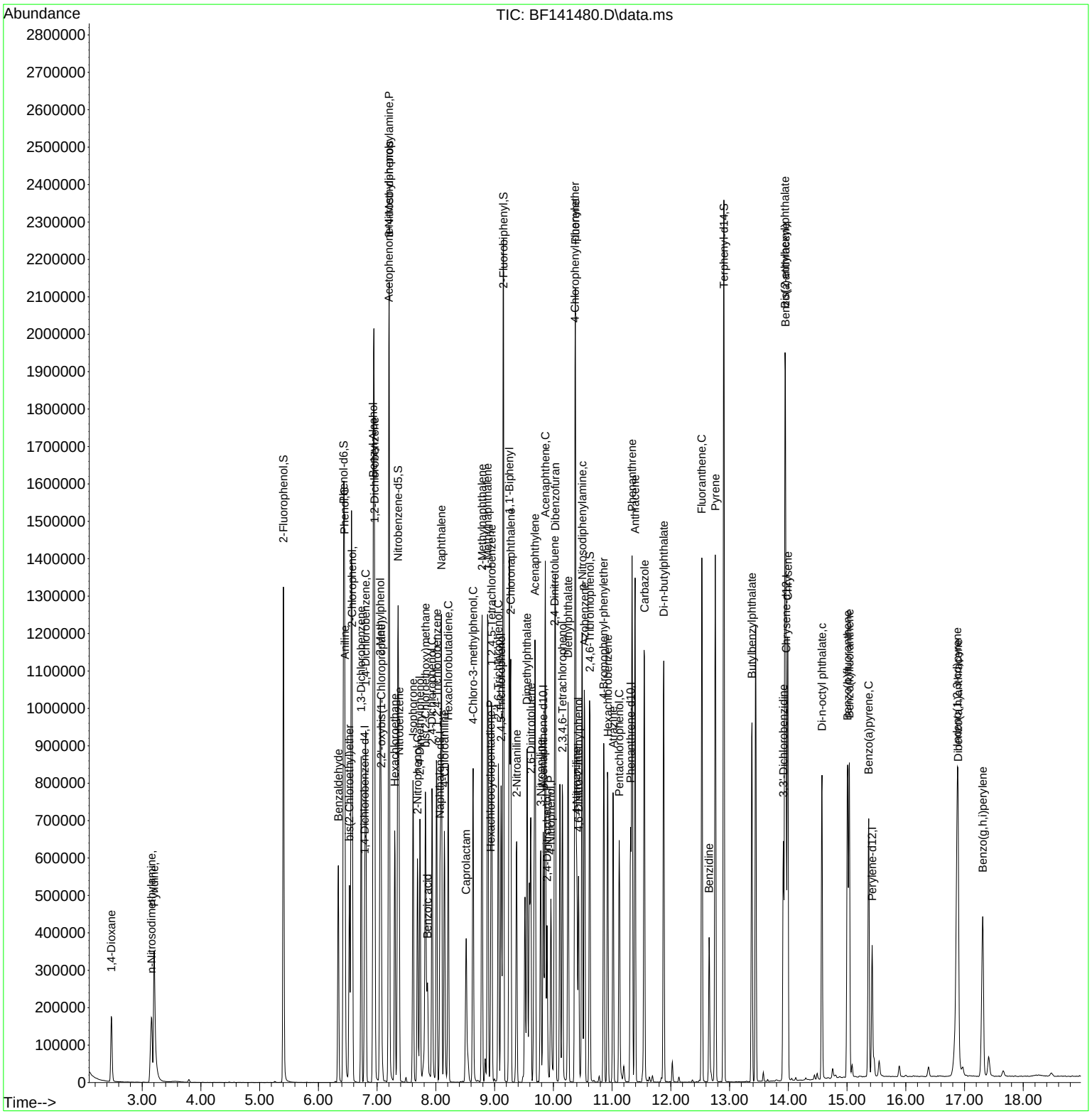
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.110 | 196 | 160926 | 40.108 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.251 | 154 | 606611 | 39.519 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.275 | 162 | 447817 | 39.453 | ng | 100 |
| 48) 2-Nitroaniline | 9.375 | 65 | 154092 | 40.451 | ng | 98 |
| 49) Acenaphthylene | 9.687 | 152 | 670833 | 39.734 | ng | 99 |
| 50) Dimethylphthalate | 9.551 | 163 | 530769 | 39.488 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.616 | 165 | 117431 | 39.965 | ng | 99 |
| 52) Acenaphthene | 9.863 | 154 | 452794 | 39.893 | ng | 100 |
| 53) 3-Nitroaniline | 9.787 | 138 | 127965 | 40.463 | ng | 99 |
| 54) 2,4-Dinitrophenol | 9.892 | 184 | 74461 | 42.639 | ng | 97 |
| 55) Dibenzofuran | 10.034 | 168 | 664069 | 39.860 | ng | 99 |
| 56) 4-Nitrophenol | 9.957 | 139 | 98990 | 42.166 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 10.022 | 165 | 158941 | 40.633 | ng | 100 |
| 58) Fluorene | 10.375 | 166 | 508833 | 39.501 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232 | 139688 | 40.438 | ng | 97 |
| 60) Diethylphthalate | 10.251 | 149 | 521933 | 39.467 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.369 | 204 | 243659 | 39.318 | ng | 98 |
| 62) 4-Nitroaniline | 10.398 | 138 | 132059 | 41.124 | ng | 99 |
| 63) Azobenzene | 10.528 | 77 | 522705 | 39.759 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.428 | 198 | 98944 | 42.230 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 10.492 | 169 | 432307 | 40.040 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248 | 154044 | 40.864 | ng | 95 |
| 68) Hexachlorobenzene | 10.928 | 284 | 156075 | 40.208 | ng | 99 |
| 69) Atrazine | 11.016 | 200 | 127486 | 39.358 | ng | 100 |
| 70) Pentachlorophenol | 11.122 | 266 | 105427 | 42.476 | ng | 99 |
| 71) Phenanthrene | 11.339 | 178 | 744761 | 40.114 | ng | 100 |
| 72) Anthracene | 11.392 | 178 | 753295 | 40.362 | ng | 100 |
| 73) Carbazole | 11.551 | 167 | 676218 | 40.267 | ng | 100 |
| 74) Di-n-butylphthalate | 11.881 | 149 | 794101 | 40.953 | ng | 100 |
| 75) Fluoranthene | 12.528 | 202 | 807256 | 41.011 | ng | 100 |
| 77) Benzidine | 12.651 | 184 | 211734 | 38.017 | ng | 100 |
| 78) Pyrene | 12.757 | 202 | 812250 | 37.784 | ng | 100 |
| 80) Butylbenzylphthalate | 13.380 | 149 | 311103 | 41.781 | ng | 99 |
| 81) Benzo(a)anthracene | 13.951 | 228 | 638036 | 38.009 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.916 | 252 | 185650 | 38.608 | ng | 99 |
| 83) Chrysene | 13.992 | 228 | 610091 | 39.361 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149 | 371434 | 44.229 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.574 | 149 | 534947 | 44.652 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.874 | 276 | 474949 | 38.551 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.010 | 252 | 526847 | 39.352 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.039 | 252 | 470794 | 41.182 | ng | 98 |
| 90) Benzo(a)pyrene | 15.369 | 252 | 427462 | 39.459 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.892 | 278 | 388028 | 38.870 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.310 | 276 | 402566 | 38.536 | ng | 99 |

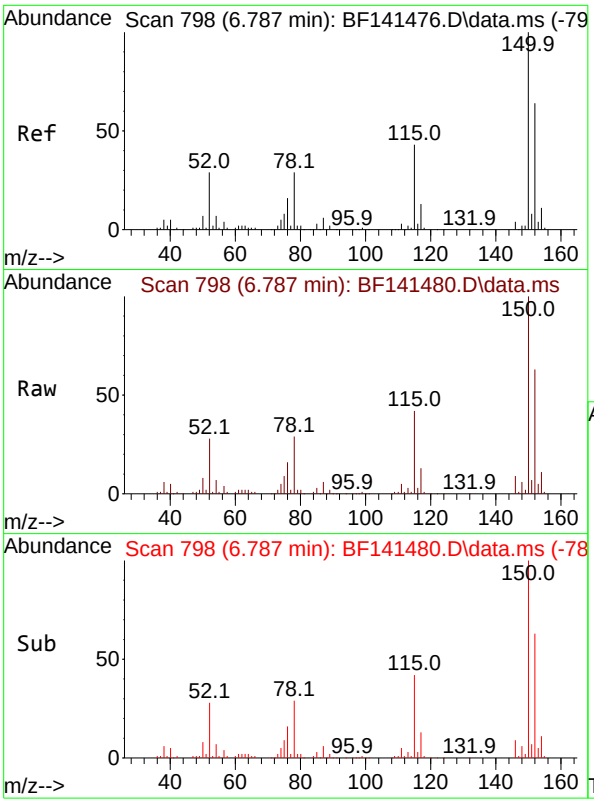
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



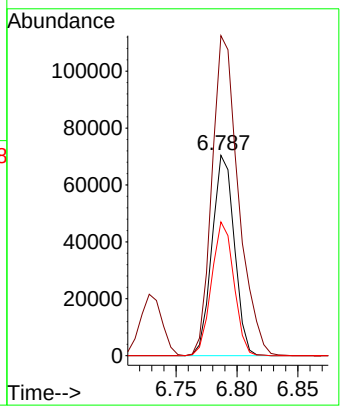


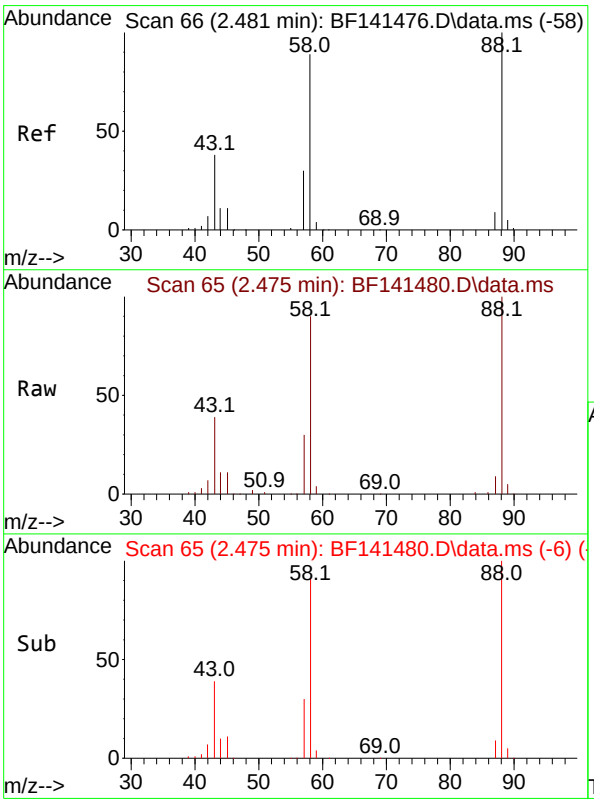

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:152 Resp: 90009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.7 | 125.0 | 187.4 |
| 115 | 66.8 | 53.6 | 80.4 |

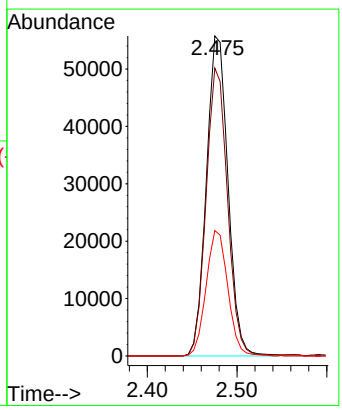


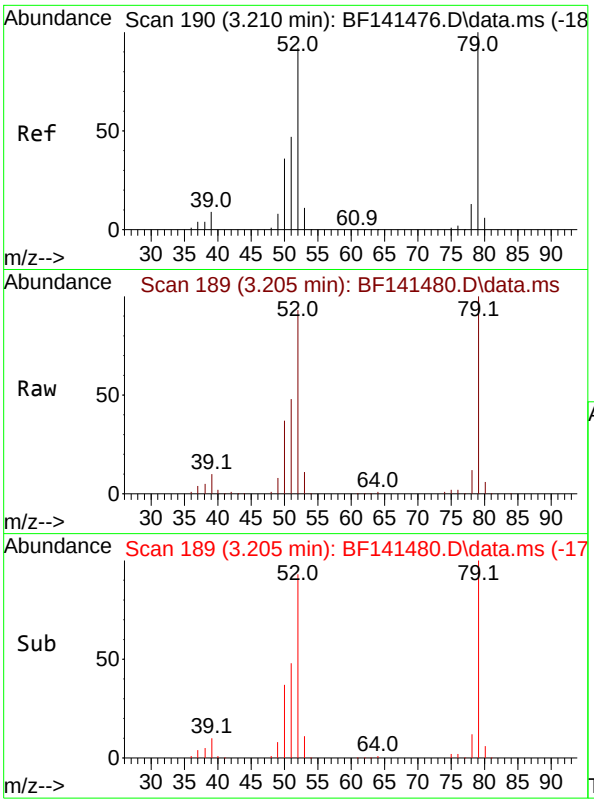




#2
1,4-Dioxane
Concen: 40.369 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 88 Resp: 93282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 89.1 | 71.1 | 106.7 |
| 43 | 39.4 | 30.6 | 46.0 |



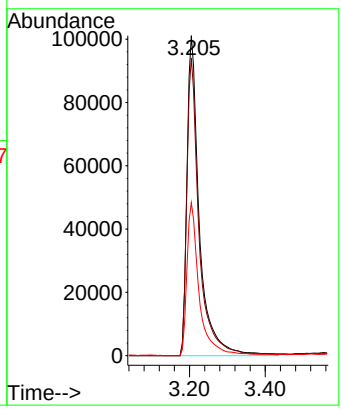


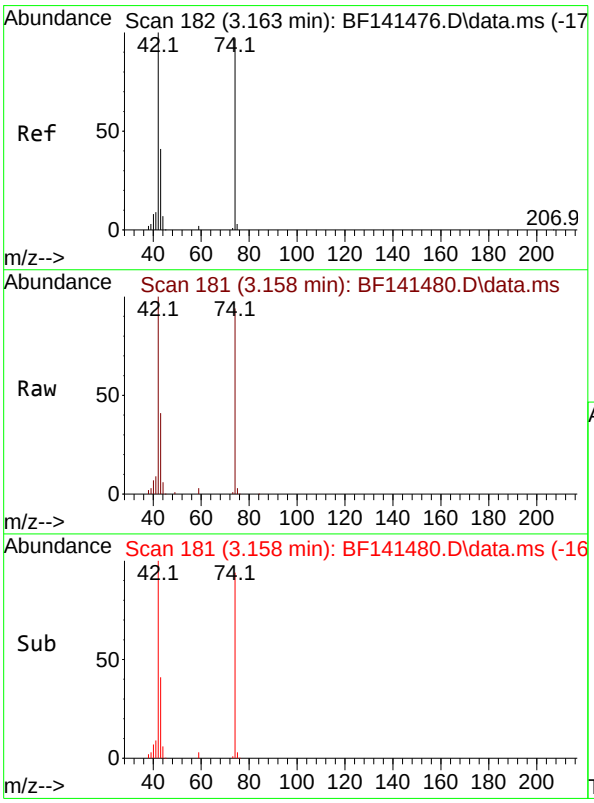

#3
Pyridine
Concen: 41.938 ng
RT: 3.205 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion: 79 Resp: 230604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 93.1 | 73.7 | 110.5 |
| 51 | 47.8 | 37.5 | 56.3 |

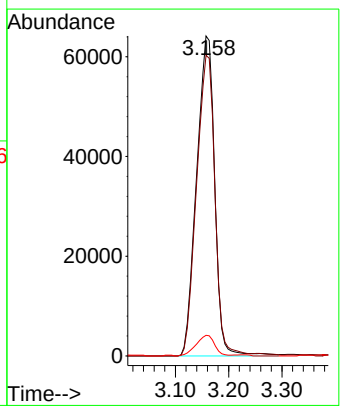


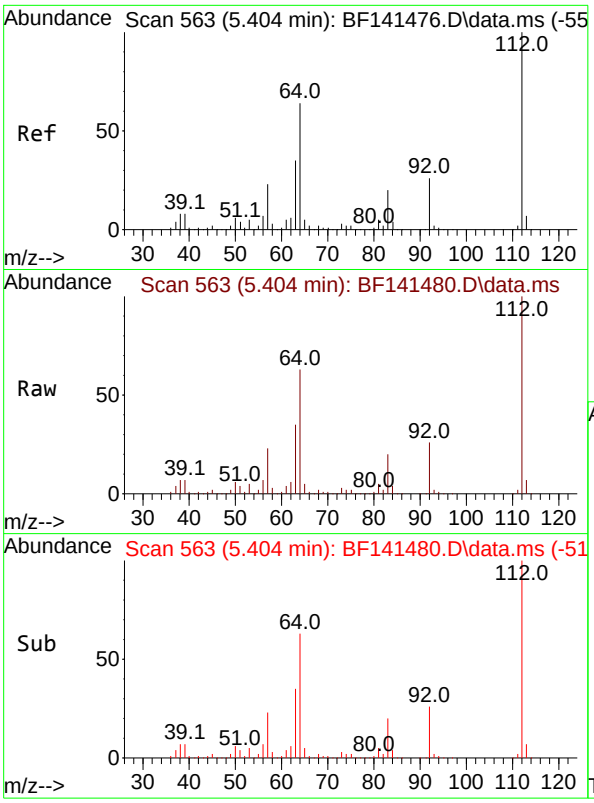




#4
n-Nitrosodimethylamine
Concen: 41.653 ng
RT: 3.158 min Scan# 181
Delta R.T. -0.029 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 42 Resp: 151656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 94.0 | 78.0 | 117.0 |
| 44 | 6.5 | 5.4 | 8.2 |



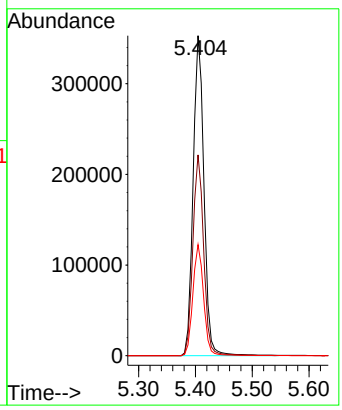


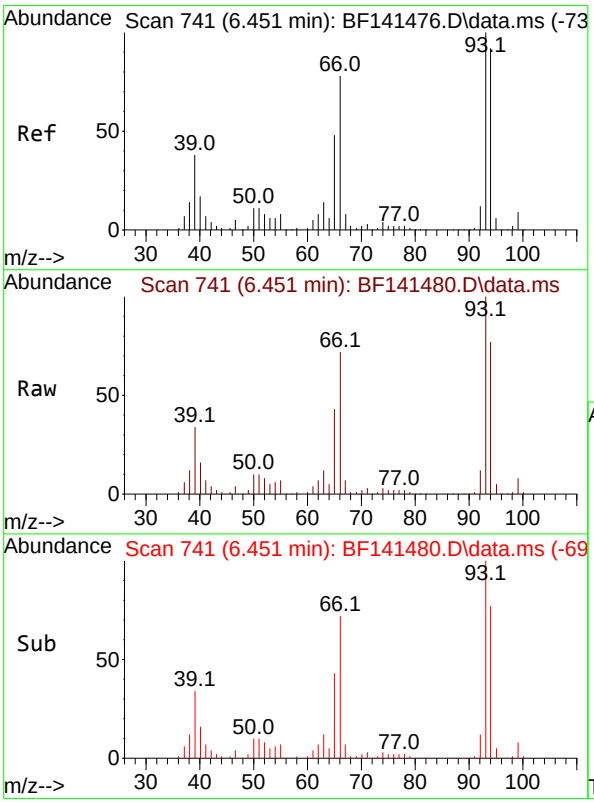

#5
2-Fluorophenol
Concen: 81.894 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:112 Resp: 470176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.8 | 51.1 | 76.7 |
| 63 | 34.7 | 28.4 | 42.6 |

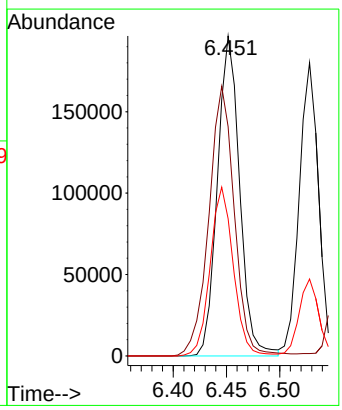


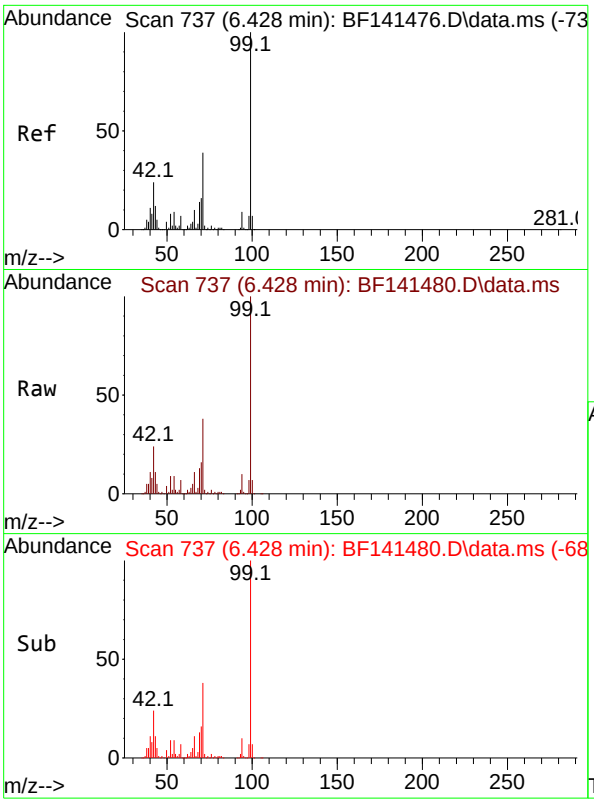




#6
Aniline
Concen: 41.834 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 93 Resp: 284762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 71.6 | 62.6 | 94.0 |
| 65 | 42.9 | 38.3 | 57.5 |



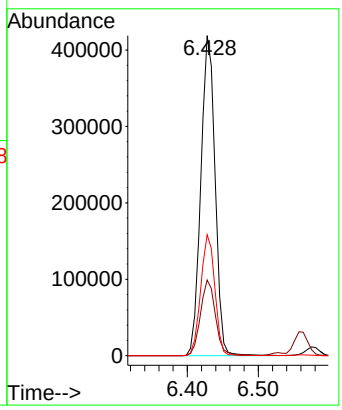


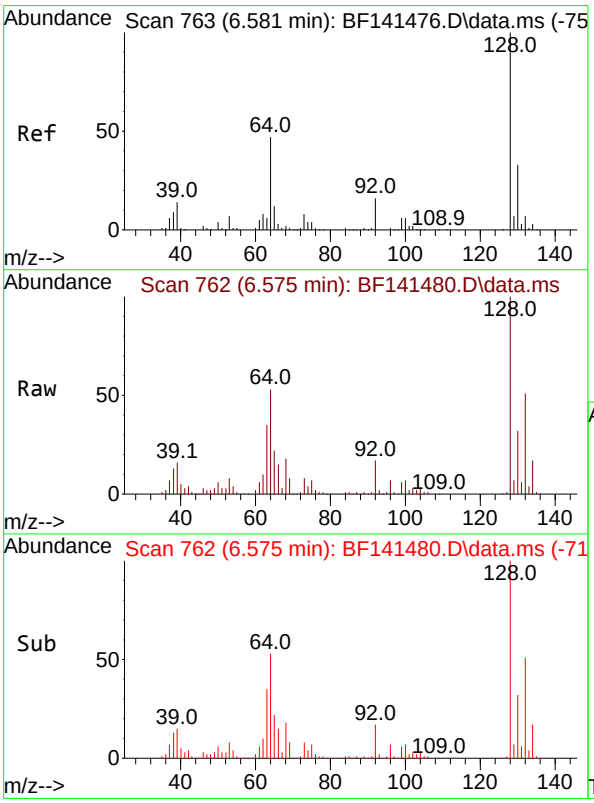

#7
Phenol-d6
Concen: 80.878 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion: 99 Resp: 586892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.7 | 19.1 | 28.7 |
| 71 | 37.8 | 31.1 | 46.7 |

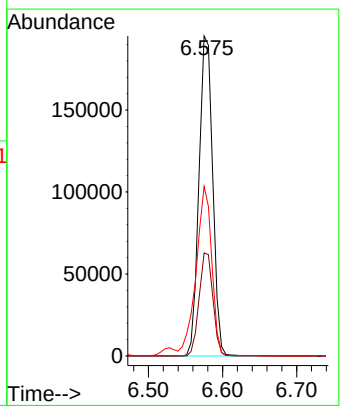


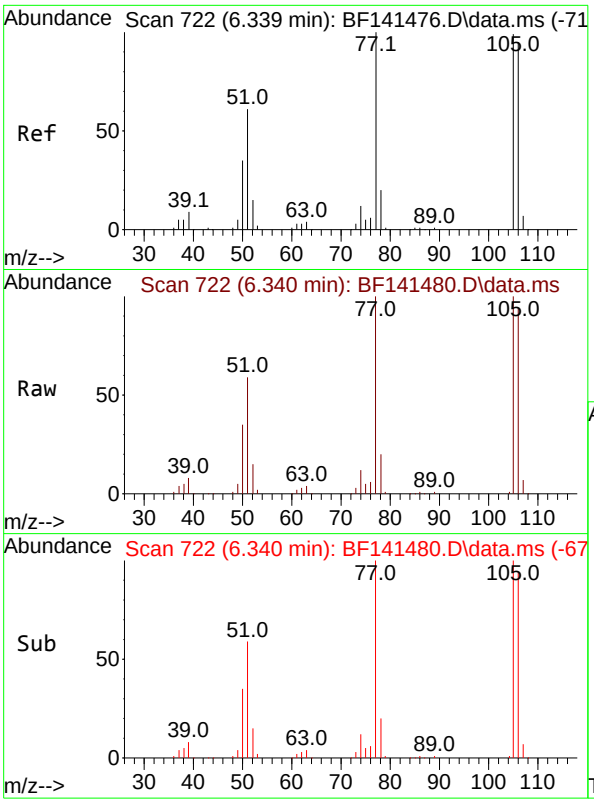




#8
2-Chlorophenol
Concen: 40.527 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:128 Resp: 251415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.2 | 12.7 | 52.7 |
| 64 | 52.9 | 28.3 | 68.3 |



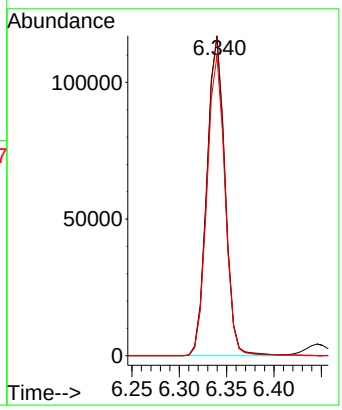


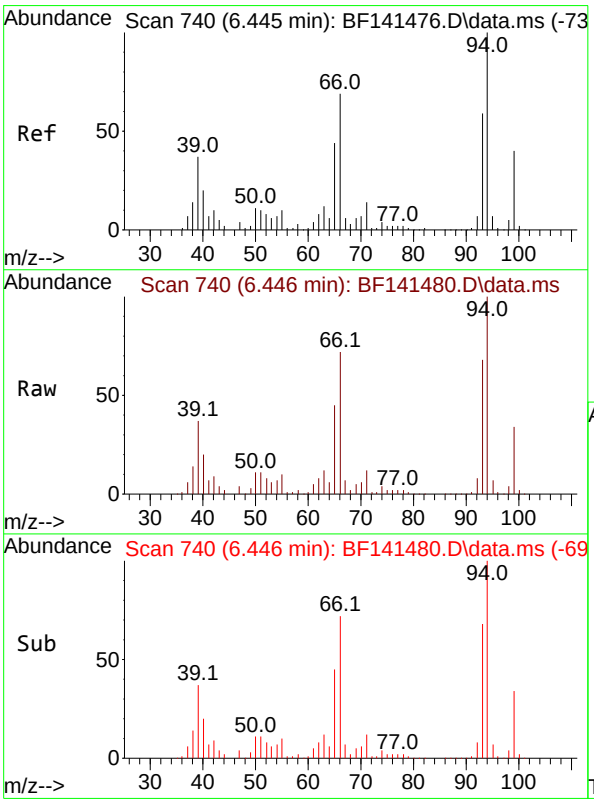

#9
Benzaldehyde
Concen: 40.105 ng
RT: 6.340 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion: 77 Resp: 154649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 100.4 | 79.4 | 119.4 |
| 106 | 94.1 | 75.1 | 115.1 |

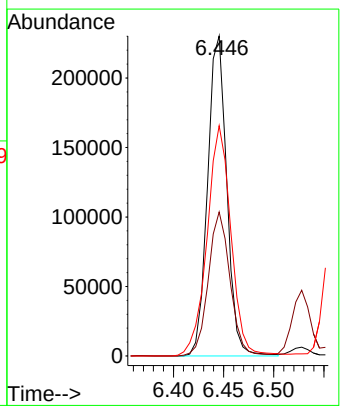


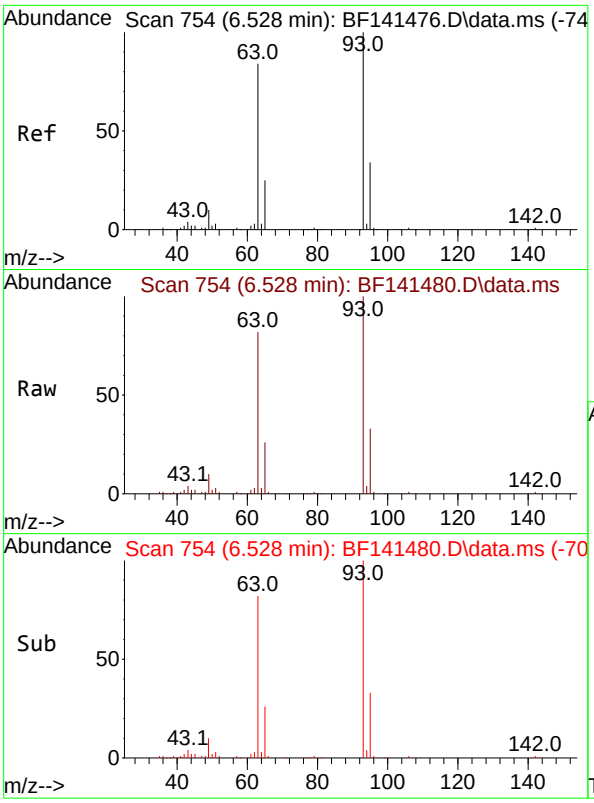




#10
Phenol
Concen: 40.615 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 94 Resp: 306753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 45.0 | 23.7 | 63.7 |
| 66 | 71.9 | 49.3 | 89.3 |



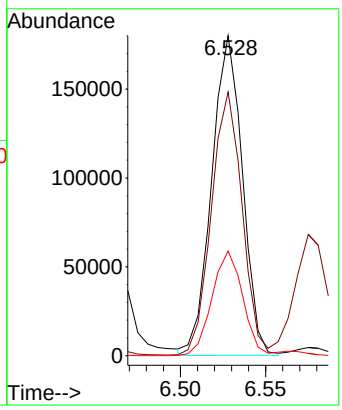


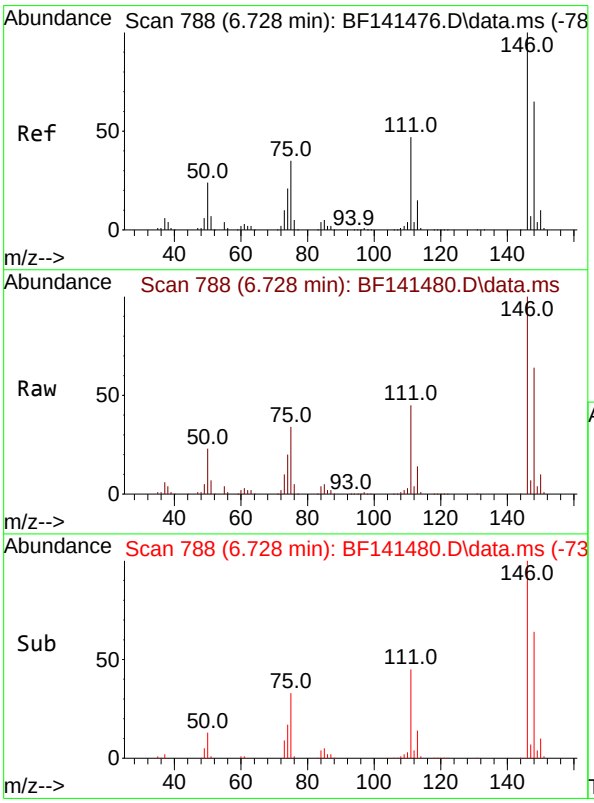

#11
bis(2-Chloroethyl)ether
Concen: 39.866 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion: 93 Resp: 226152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 82.4 | 62.0 | 102.0 |
| 95 | 32.7 | 12.6 | 52.6 |

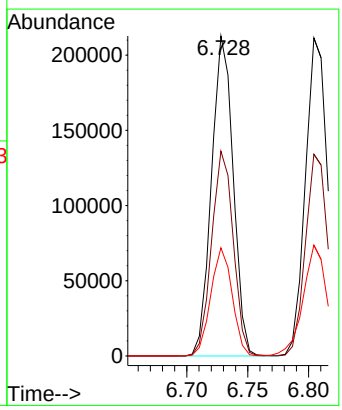


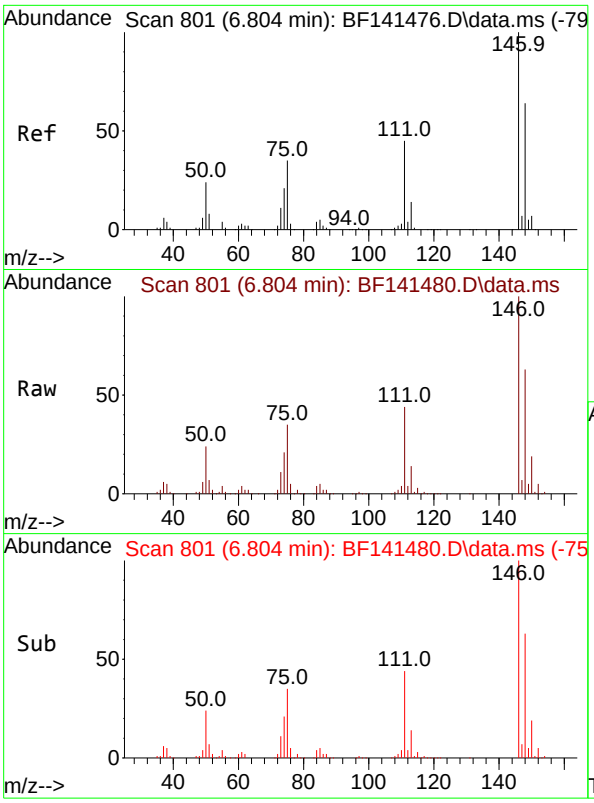




#12
1,3-Dichlorobenzene
Concen: 40.317 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:146 Resp: 264052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.9 | 77.9 |
| 75 | 33.8 | 28.2 | 42.2 |



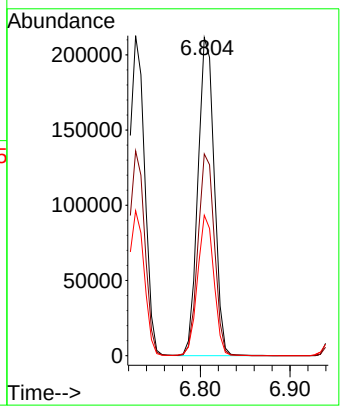


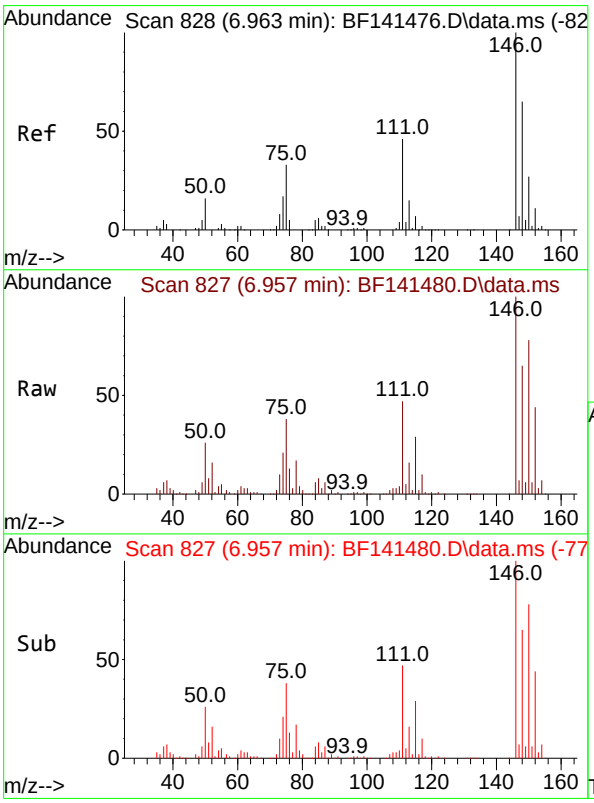

#13
1,4-Dichlorobenzene
Concen: 39.911 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:146 Resp: 267068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.4 | 50.9 | 76.3 |
| 111 | 44.2 | 35.9 | 53.9 |

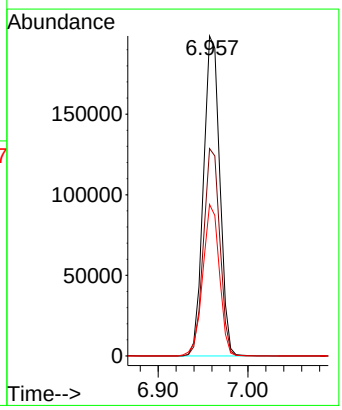


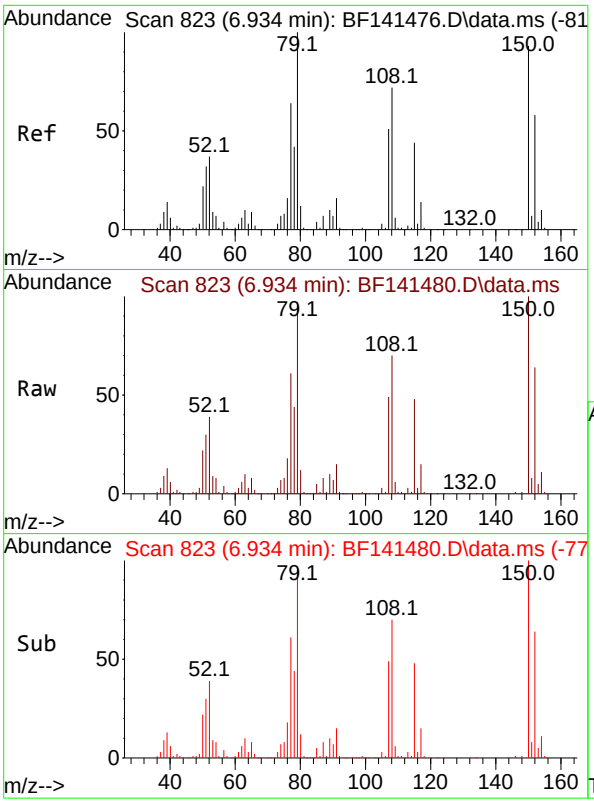




#14
1,2-Dichlorobenzene
Concen: 40.354 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:146 Resp: 250623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.8 | 77.6 |
| 111 | 47.4 | 37.0 | 55.4 |



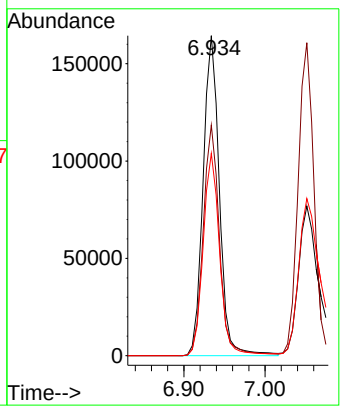


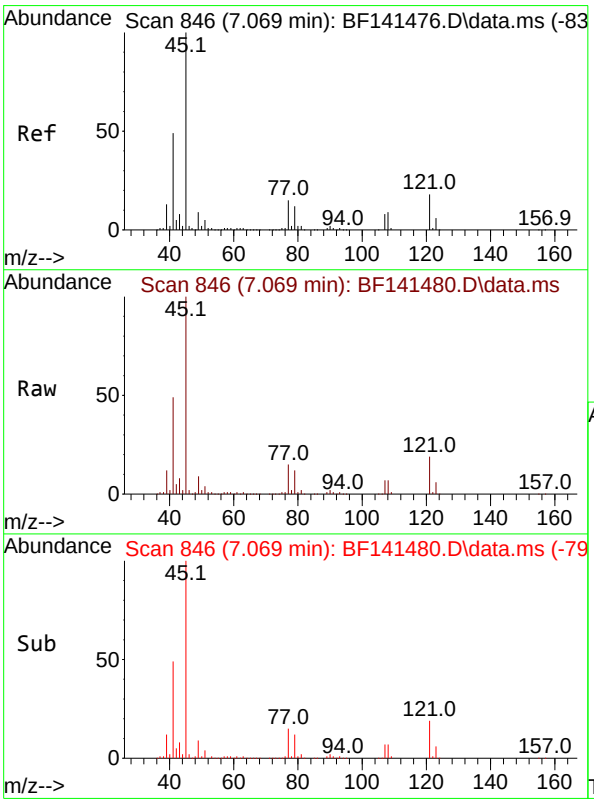

#15
Benzyl Alcohol
Concen: 41.041 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion: 79 Resp: 228379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 72.0 | 57.4 | 86.2 |
| 77 | 63.2 | 50.9 | 76.3 |

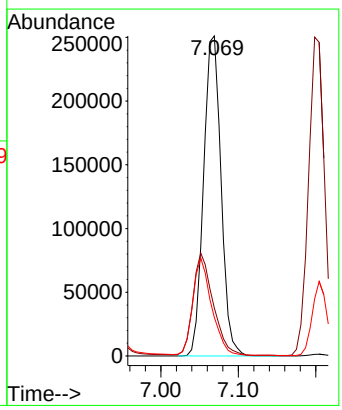


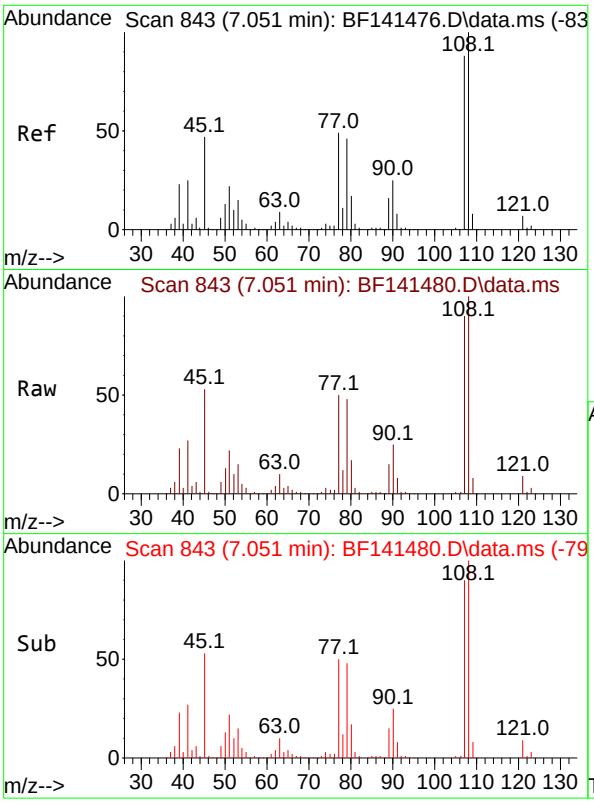




#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.535 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 45 Resp: 393626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.9 | 0.0 | 35.8 |
| 79 | 12.0 | 0.0 | 32.7 |



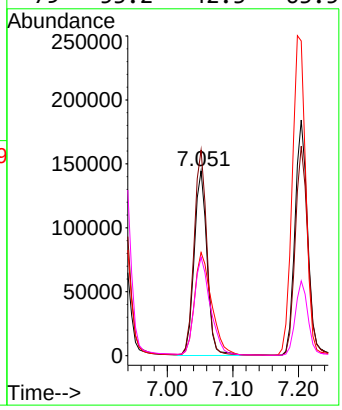


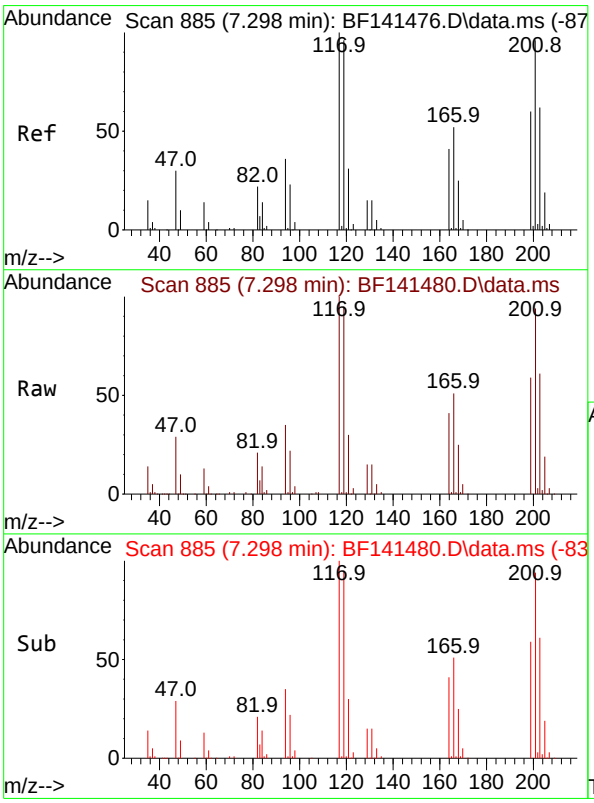

#17
2-Methylphenol
Concen: 40.768 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:107 Resp: 197905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.3 | 90.6 | 136.0 |
| 77 | 55.8 | 44.4 | 66.6 |
| 79 | 53.2 | 42.3 | 63.5 |

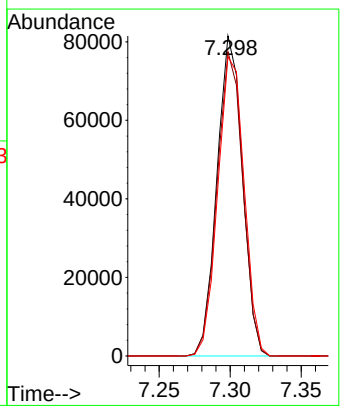


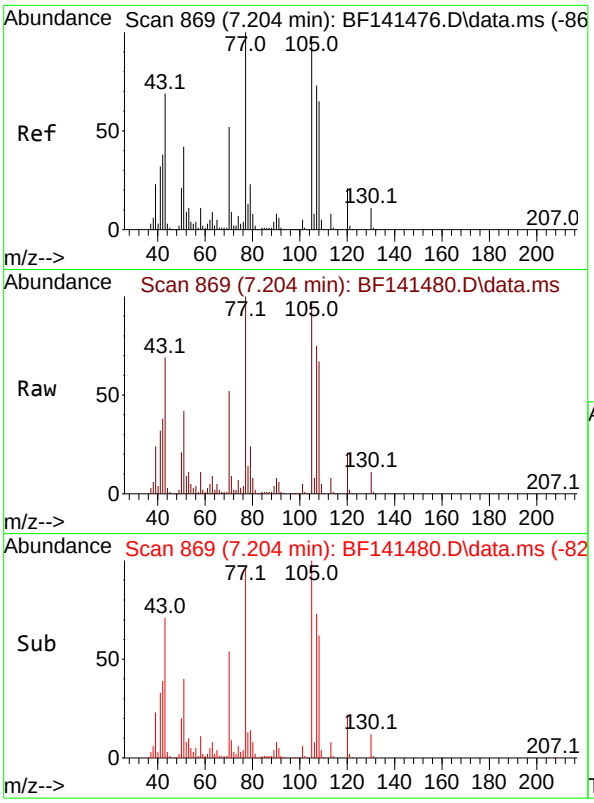




#18
Hexachloroethane
Concen: 41.061 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:117 Resp: 101687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.0 | 76.5 | 114.7 |
| 201 | 93.5 | 76.7 | 115.1 |



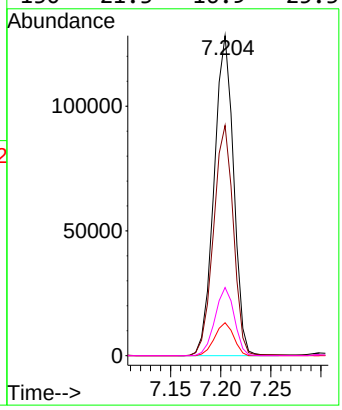


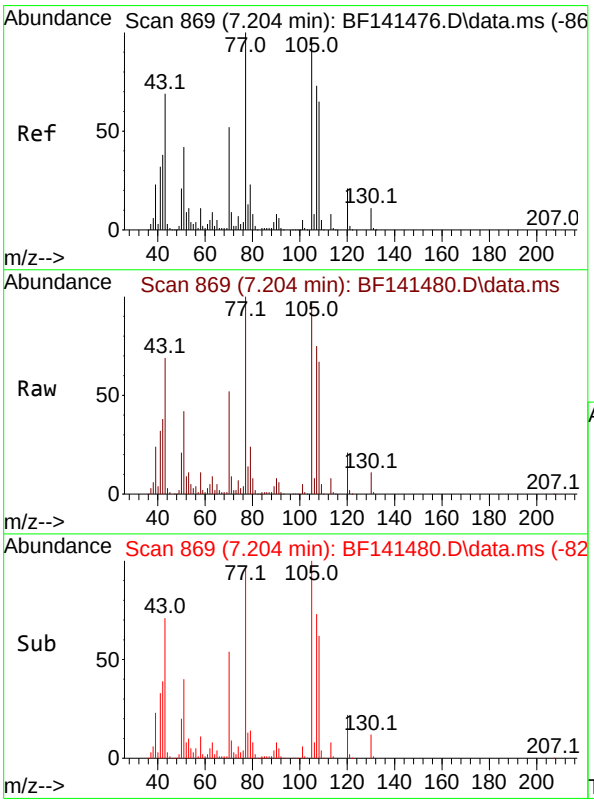

#19
n-Nitroso-di-n-propylamine
Concen: 40.048 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion: 70 Resp: 173832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 72.0 | 57.4 | 86.2 |
| 101 | 10.3 | 8.0 | 12.0 |
| 130 | 21.3 | 16.9 | 25.3 |

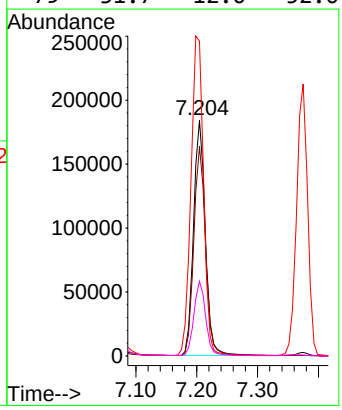


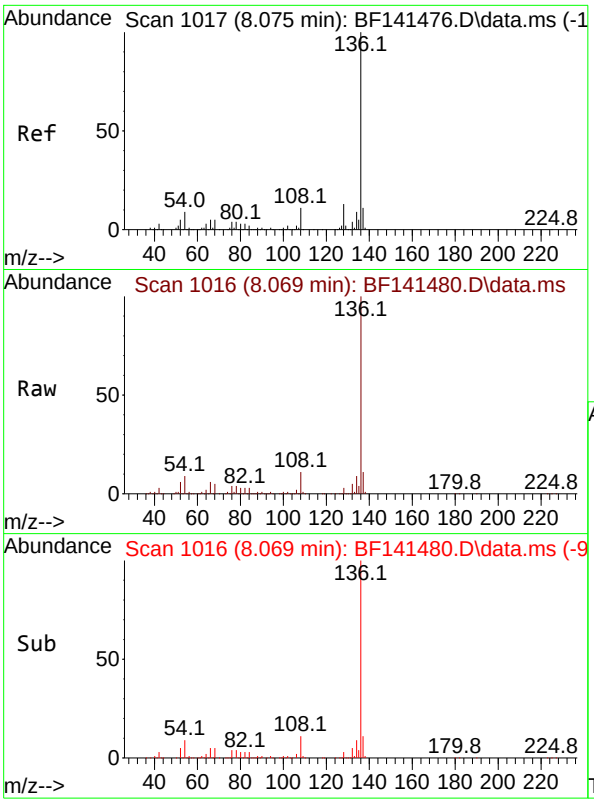




#20
3+4-Methylphenols
Concen: 40.073 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:107 Resp: 247254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.9 | 68.5 | 108.5 |
| 77 | 133.5 | 116.5 | 156.5 |
| 79 | 31.7 | 12.0 | 52.0 |



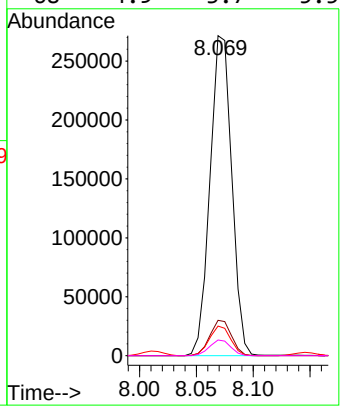


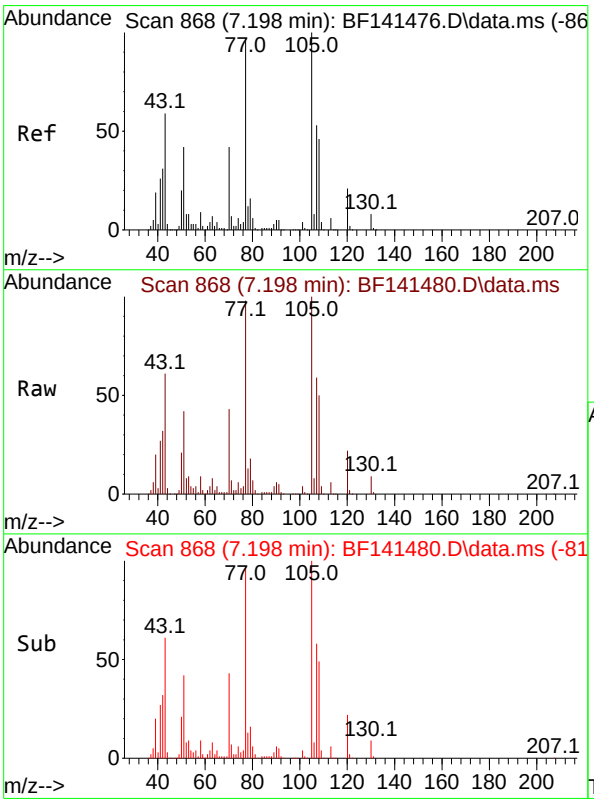

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:136 Resp: 362467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.6 | 13.0 |
| 54 | 9.3 | 7.2 | 10.8 |
| 68 | 4.9 | 3.7 | 5.5 |

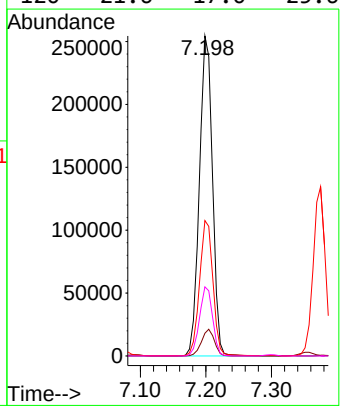


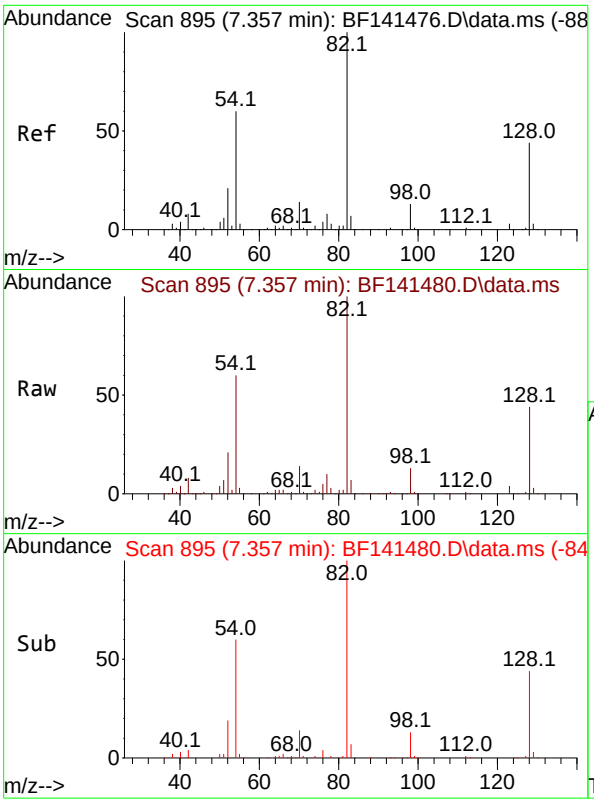




#22
Acetophenone
Concen: 39.246 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:105 Resp: 353867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.1 | 5.7 | 8.5 |
| 51 | 42.3 | 33.7 | 50.5 |
| 120 | 21.6 | 17.0 | 25.6 |



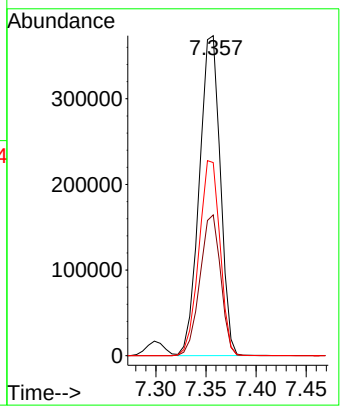


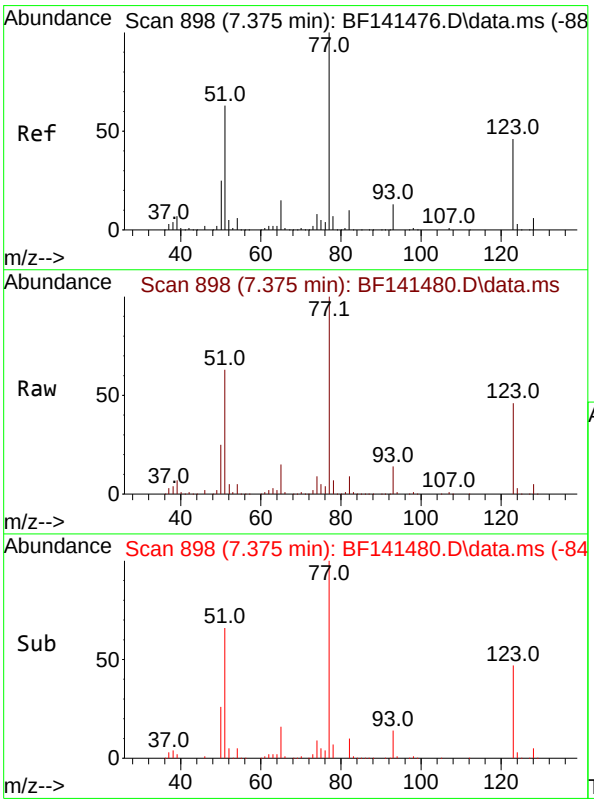

#23
Nitrobenzene-d5
Concen: 78.369 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion: 82 Resp: 544613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.0 | 34.8 | 52.2 |
| 54 | 60.4 | 48.2 | 72.4 |

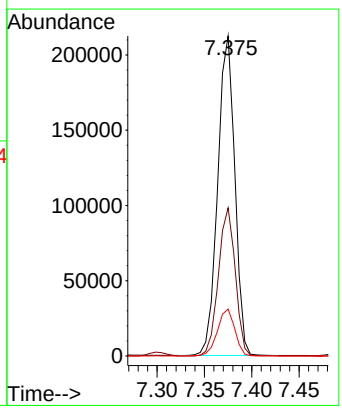


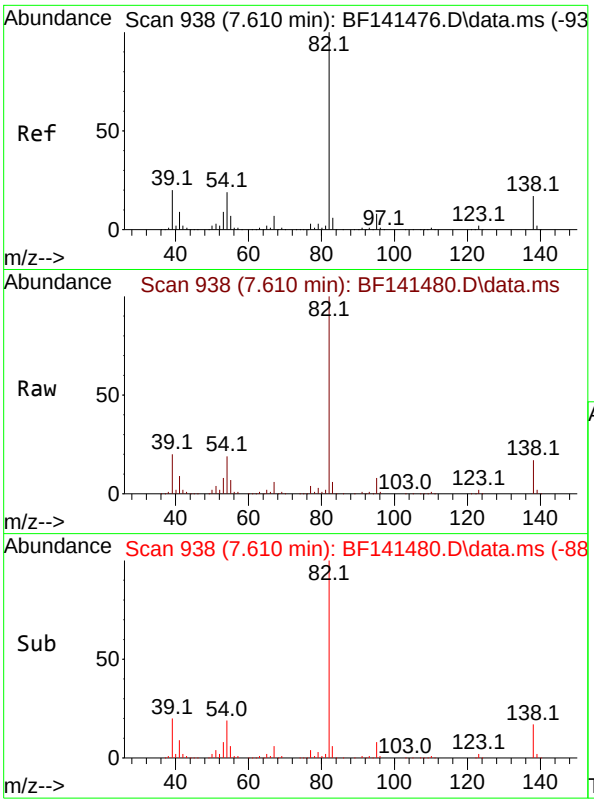




#24
Nitrobenzene
Concen: 39.429 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 77 Resp: 267193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.3 | 36.9 | 55.3 |
| 65 | 14.6 | 11.9 | 17.9 |



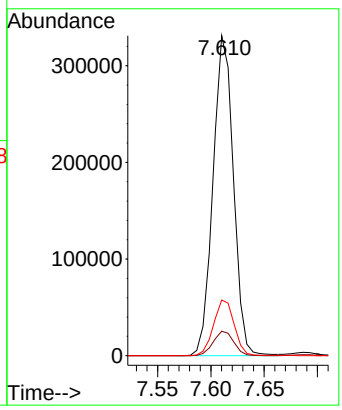


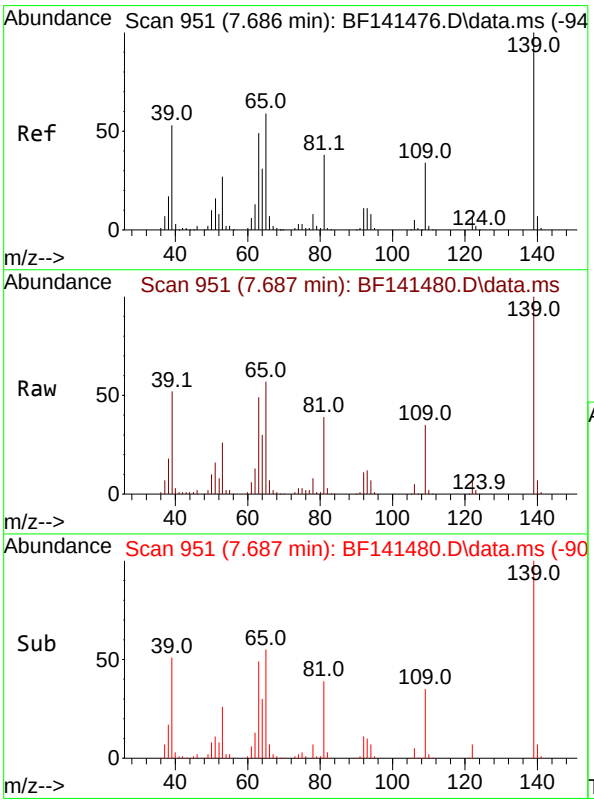

#25
Isophorone
Concen: 39.767 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion: 82 Resp: 440640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.7 | 6.4 | 9.6 |
| 138 | 17.4 | 13.9 | 20.9 |

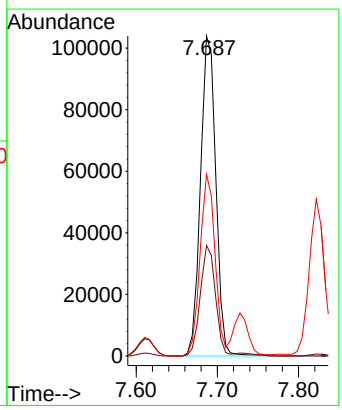


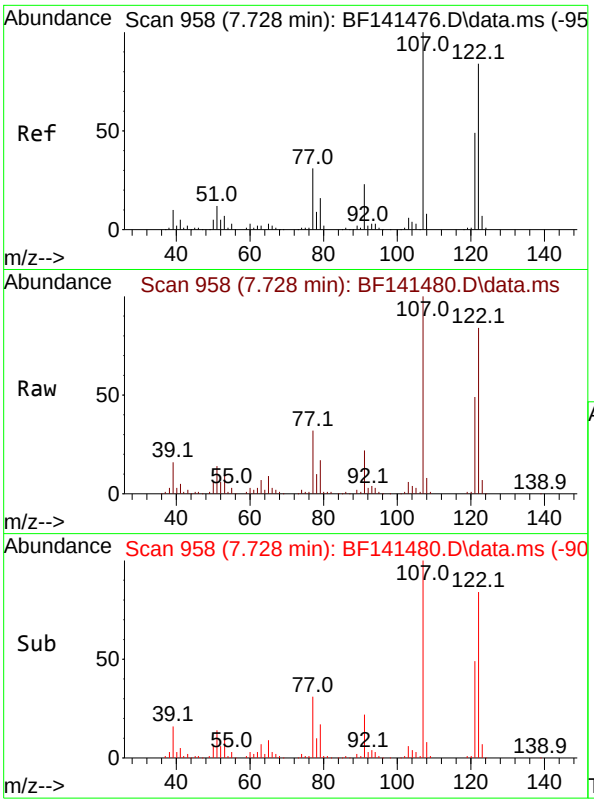




#26
2-Nitrophenol
Concen: 40.413 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:139 Resp: 136248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 34.6 | 27.0 | 40.6 |
| 65 | 56.7 | 47.1 | 70.7 |



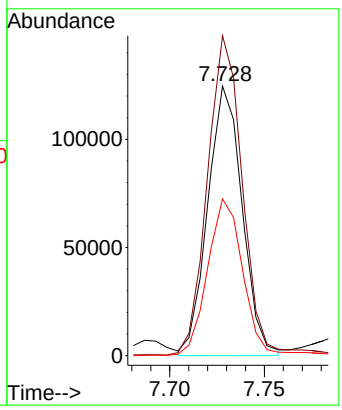


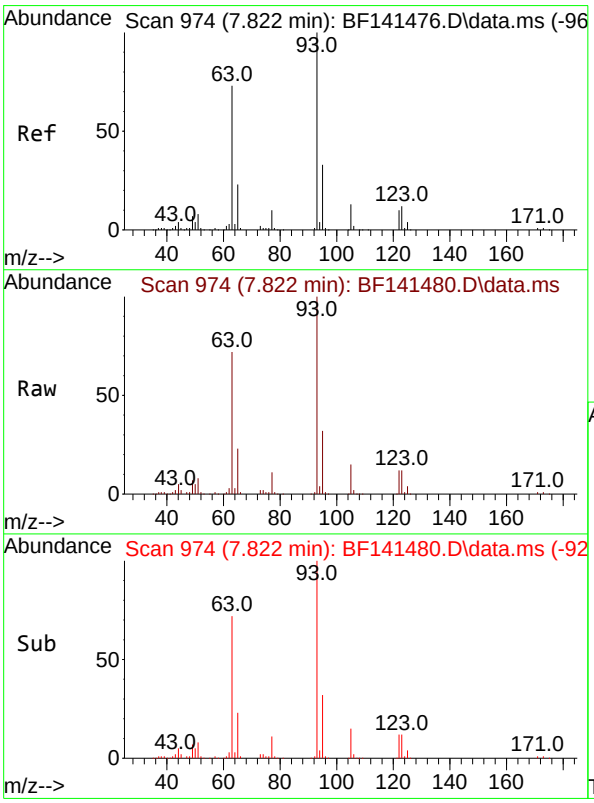

#27
2,4-Dimethylphenol
Concen: 39.924 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:122 Resp: 157242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 118.7 | 94.3 | 141.5 |
| 121 | 58.2 | 46.0 | 69.0 |

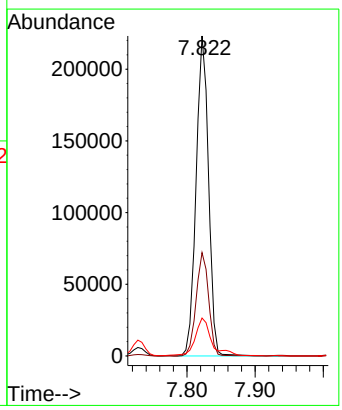


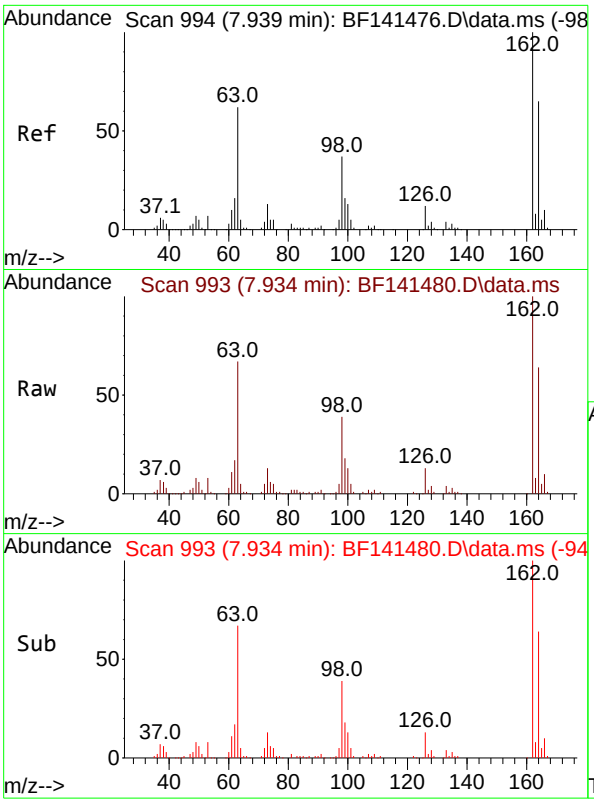




#28
bis(2-Chloroethoxy)methane
Concen: 39.822 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 93 Resp: 282744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.3 | 26.1 | 39.1 |
| 123 | 11.9 | 9.5 | 14.3 |



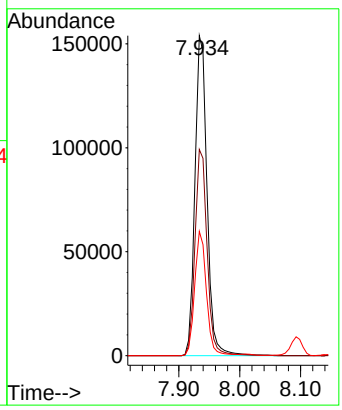


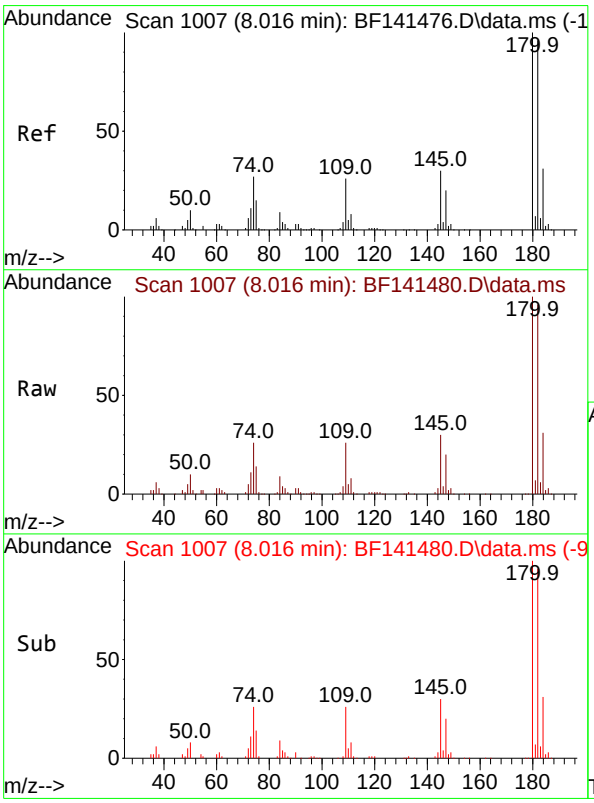

#29
2,4-Dichlorophenol
Concen: 39.818 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:162 Resp: 211891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.5 | 44.6 | 84.6 |
| 98 | 38.9 | 17.2 | 57.2 |

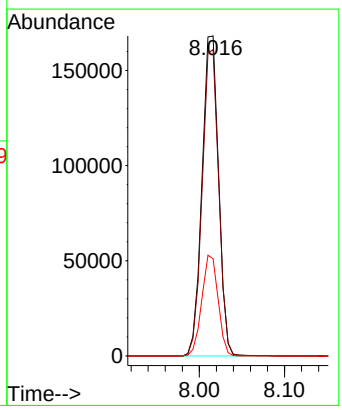


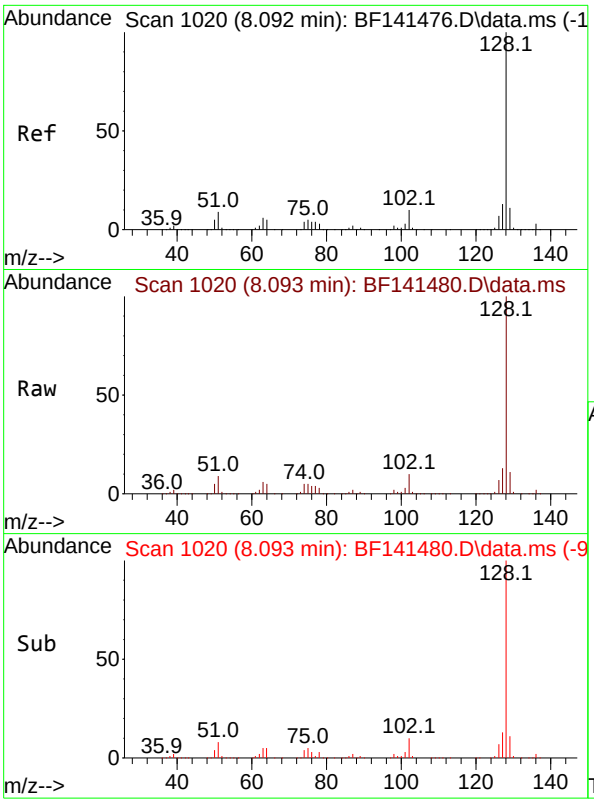




#30
1,2,4-Trichlorobenzene
Concen: 39.237 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:180 Resp: 227379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 76.8 | 115.2 |
| 145 | 30.4 | 24.2 | 36.4 |



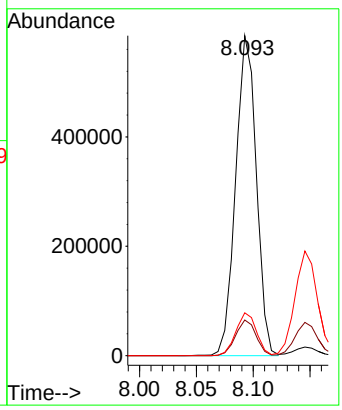


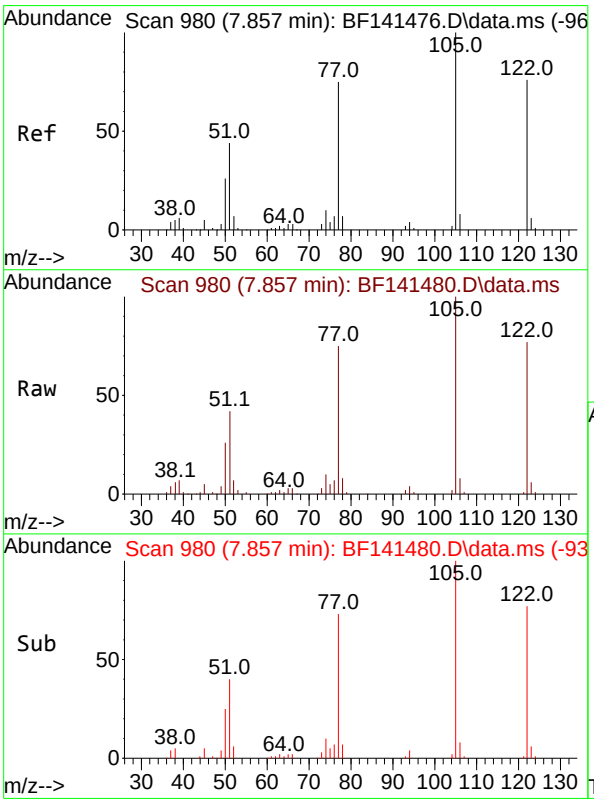

#31
Naphthalene
Concen: 39.287 ng
RT: 8.093 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:128 Resp: 741255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.9 | 13.3 |
| 127 | 13.4 | 10.7 | 16.1 |

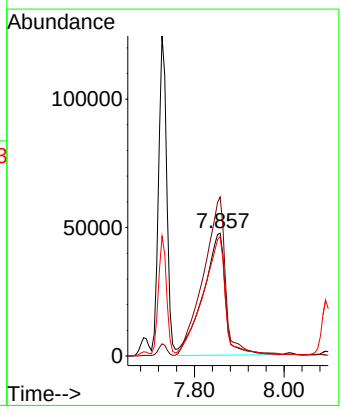


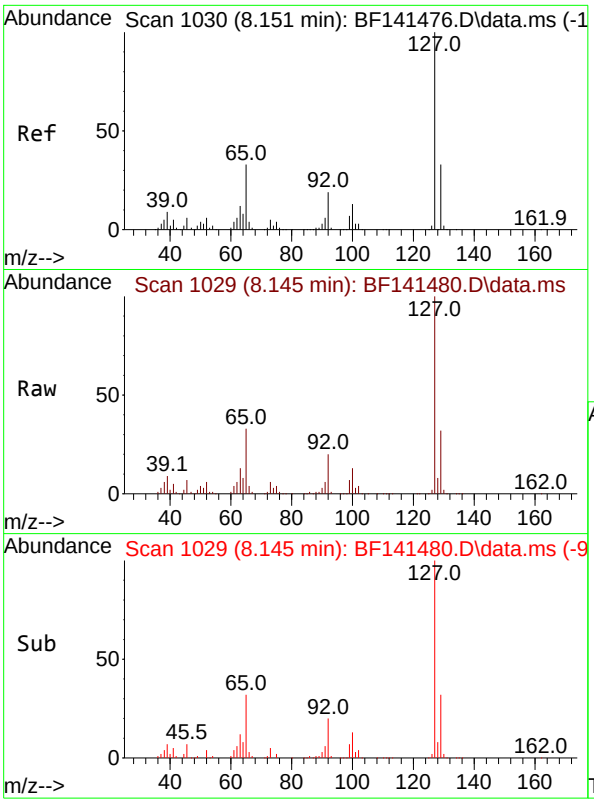




#32
Benzoic acid
Concen: 40.324 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:122 Resp: 164966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 129.3 | 106.5 | 146.5 |
| 77 | 97.2 | 76.3 | 116.3 |



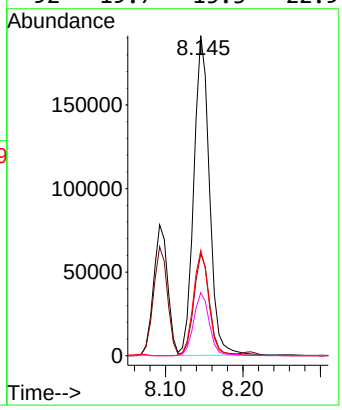


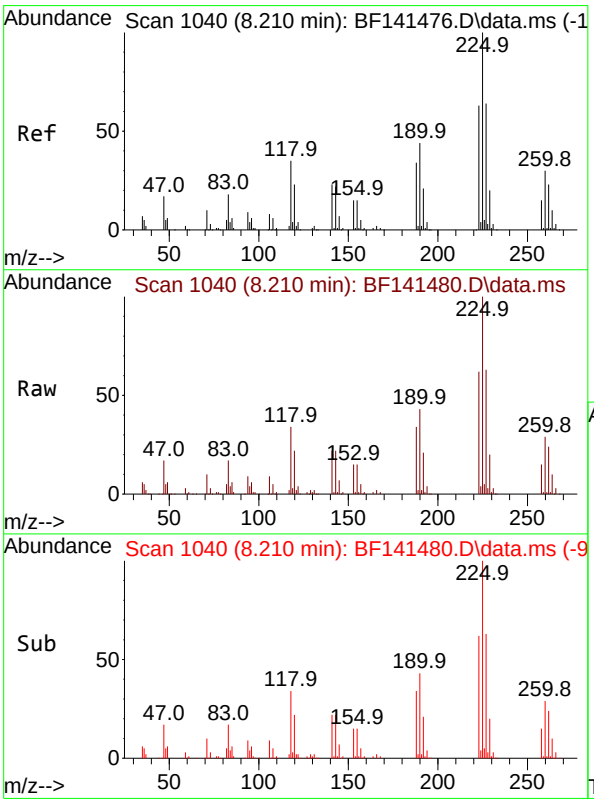

#33
4-Chloroaniline
Concen: 40.680 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:127 Resp: 267977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.9 | 26.5 | 39.7 |
| 65 | 32.9 | 26.4 | 39.6 |
| 92 | 19.7 | 15.3 | 22.9 |

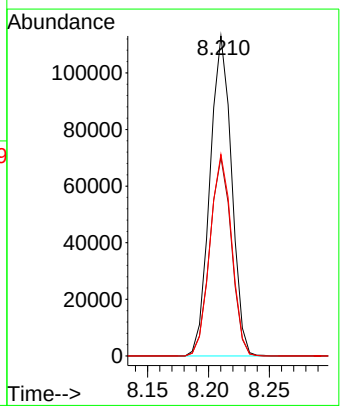


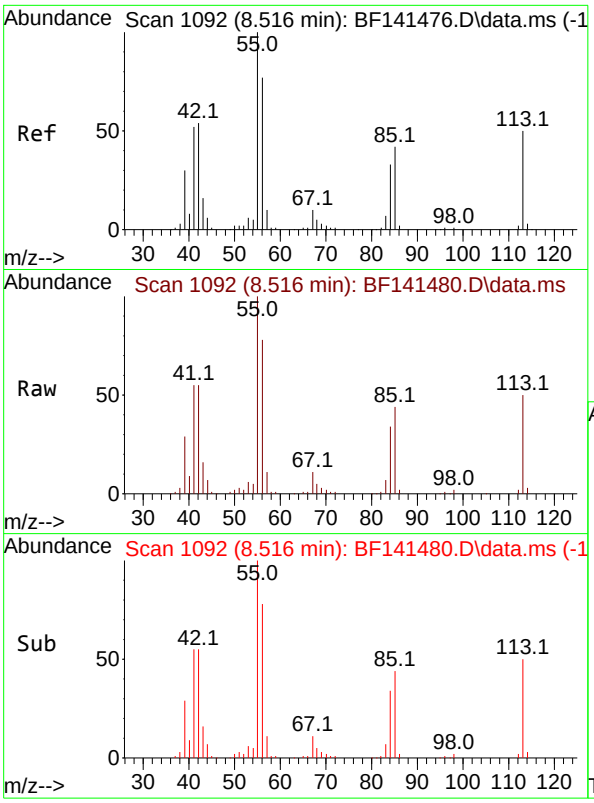




#34
Hexachlorobutadiene
Concen: 40.144 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:225 Resp: 139658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.0 | 50.1 | 75.1 |
| 227 | 63.0 | 51.0 | 76.6 |



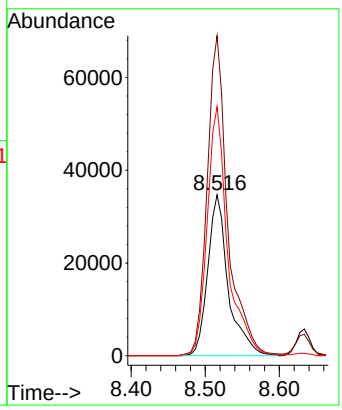


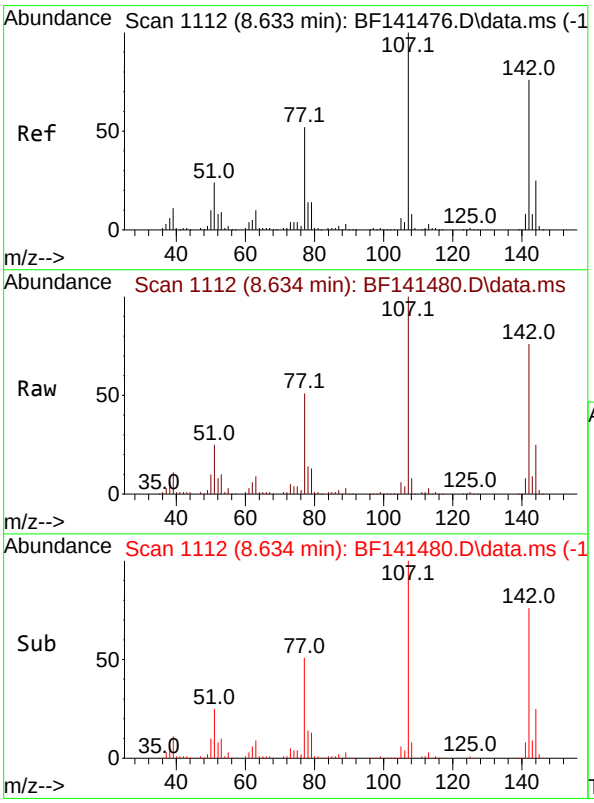

#35
Caprolactam
Concen: 41.104 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:113 Resp: 66599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 199.0 | 180.8 | 220.8 |
| 56 | 154.8 | 133.6 | 173.6 |

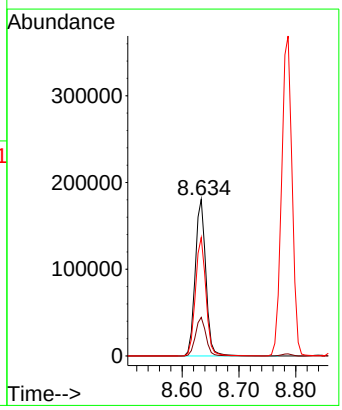


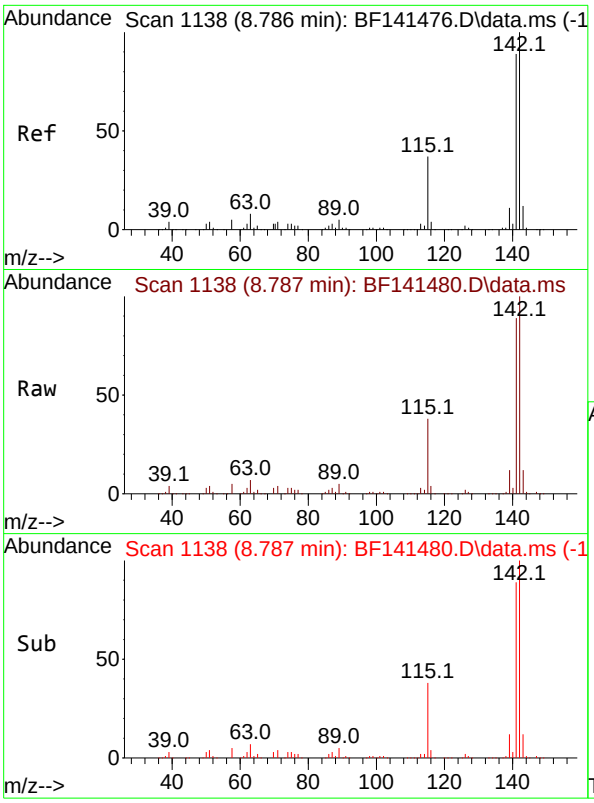




#36
4-Chloro-3-methylphenol
Concen: 40.006 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:107 Resp: 235824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.7 | 19.7 | 29.5 |
| 142 | 75.6 | 60.8 | 91.2 |



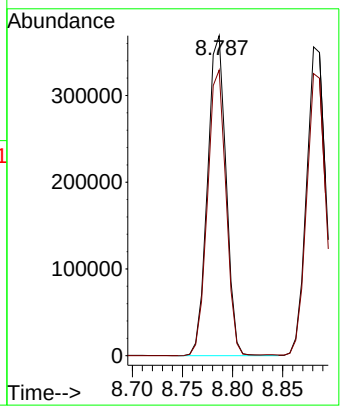


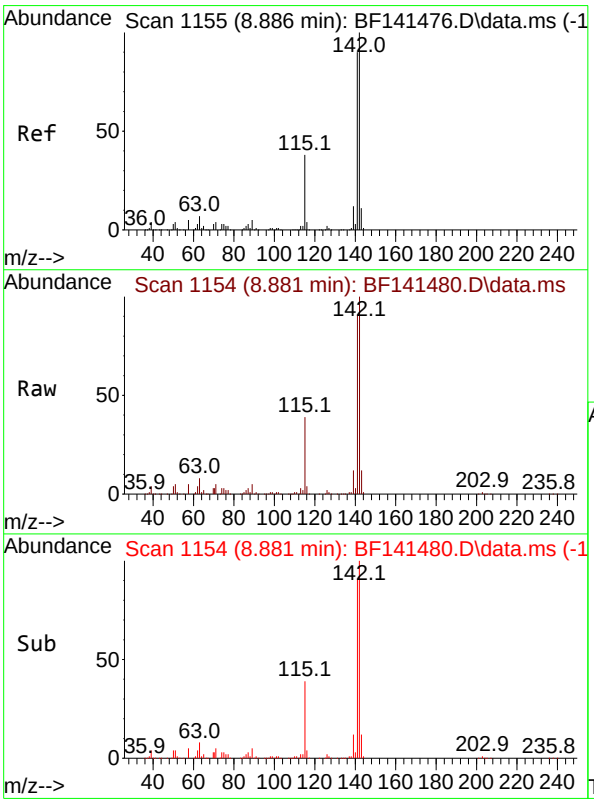

#37
2-Methylnaphthalene
Concen: 38.710 ng
RT: 8.787 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:142 Resp: 475273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.2 | 71.2 | 106.8 |

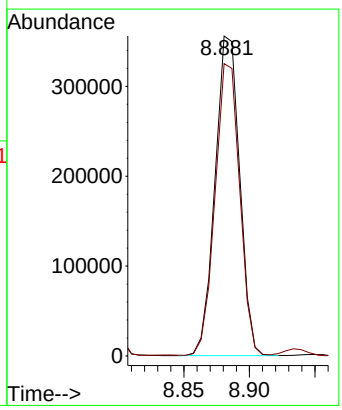


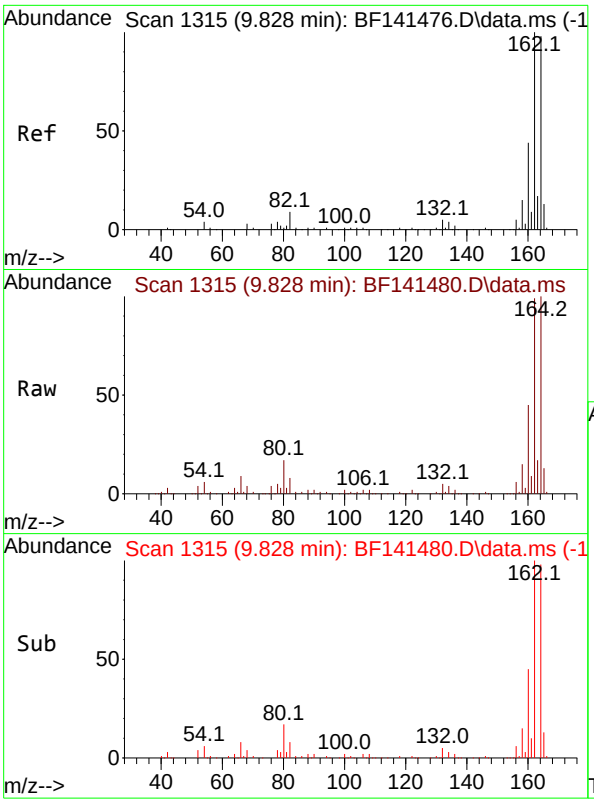




#38
1-Methylnaphthalene
Concen: 39.049 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:142 Resp: 464346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.3 | 72.1 | 108.1 |



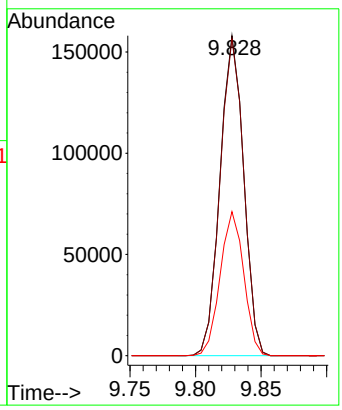


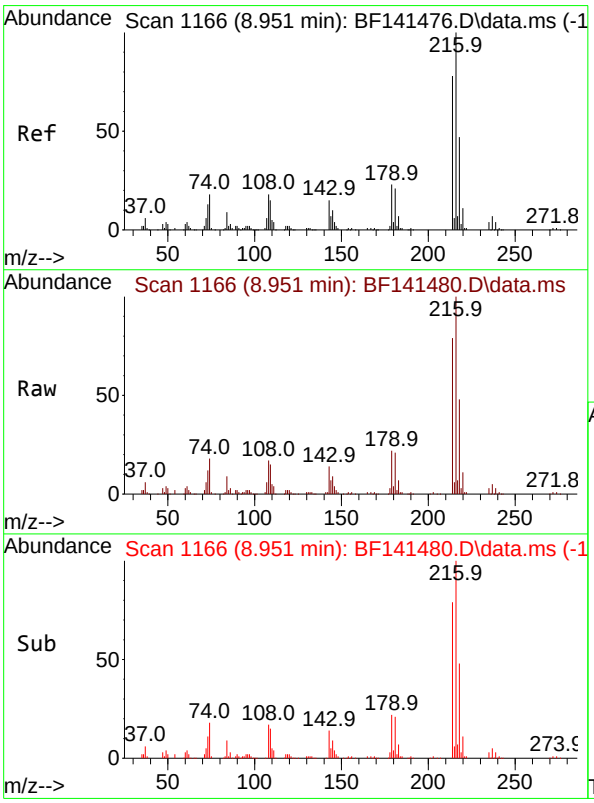

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:164 Resp: 197991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.1 | 81.3 | 121.9 |
| 160 | 45.0 | 35.9 | 53.9 |

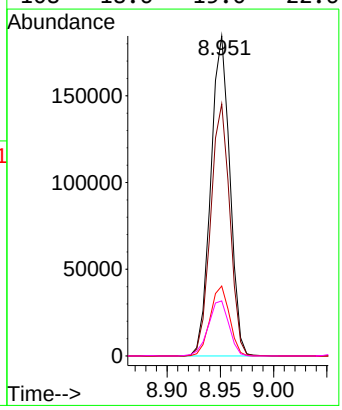


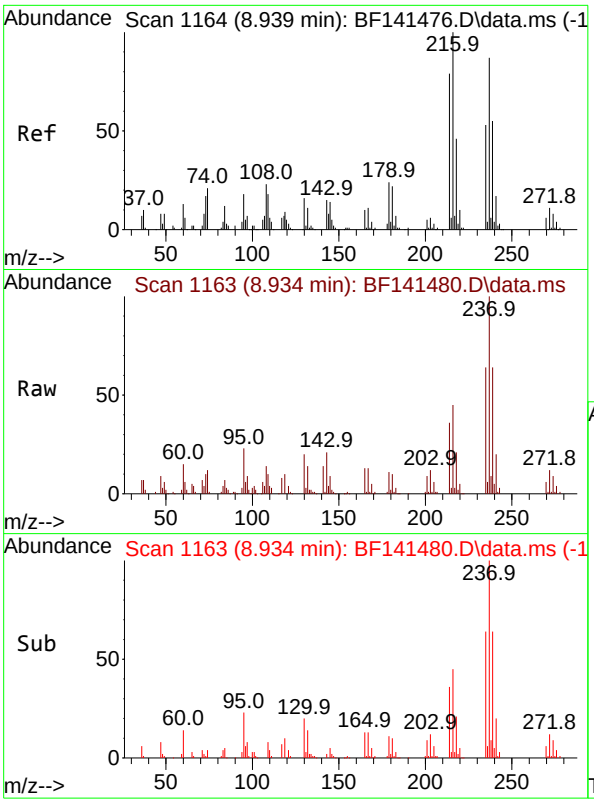




#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.182 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:216 Resp: 230166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.9 | 62.3 | 93.5 |
| 179 | 22.1 | 18.0 | 27.0 |
| 108 | 18.6 | 15.0 | 22.6 |



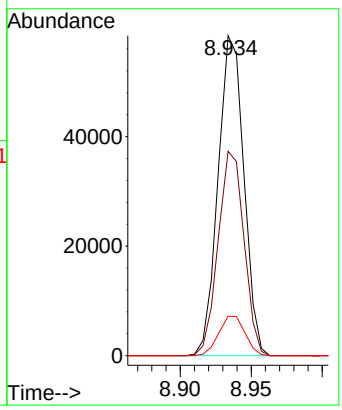


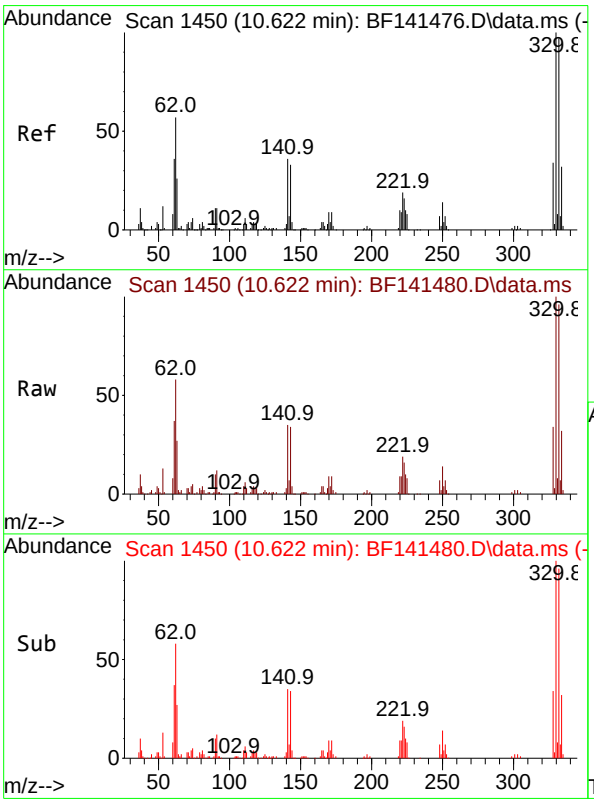

#41
Hexachlorocyclopentadiene
Concen: 38.754 ng
RT: 8.934 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:237 Resp: 73834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.9 | 41.4 | 81.4 |
| 272 | 12.4 | 0.0 | 32.4 |

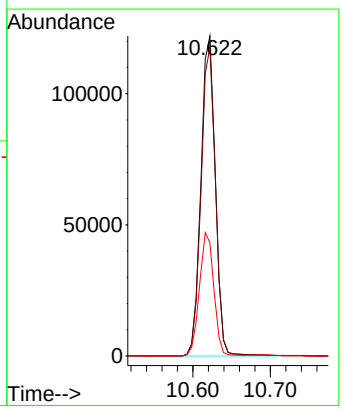


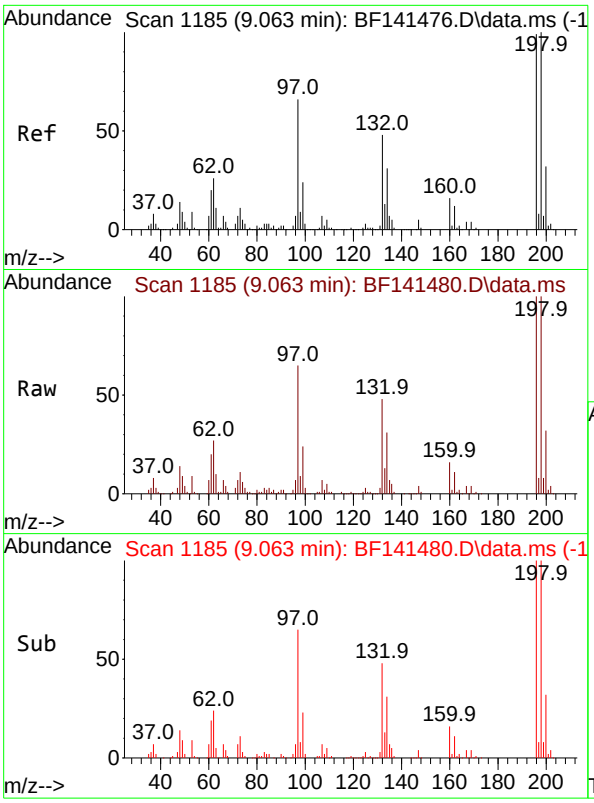




#42
2,4,6-Tribromophenol
Concen: 79.490 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:330 Resp: 158098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 78.5 | 117.7 |
| 141 | 38.4 | 31.0 | 46.4 |



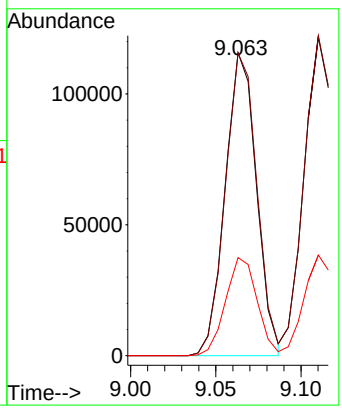


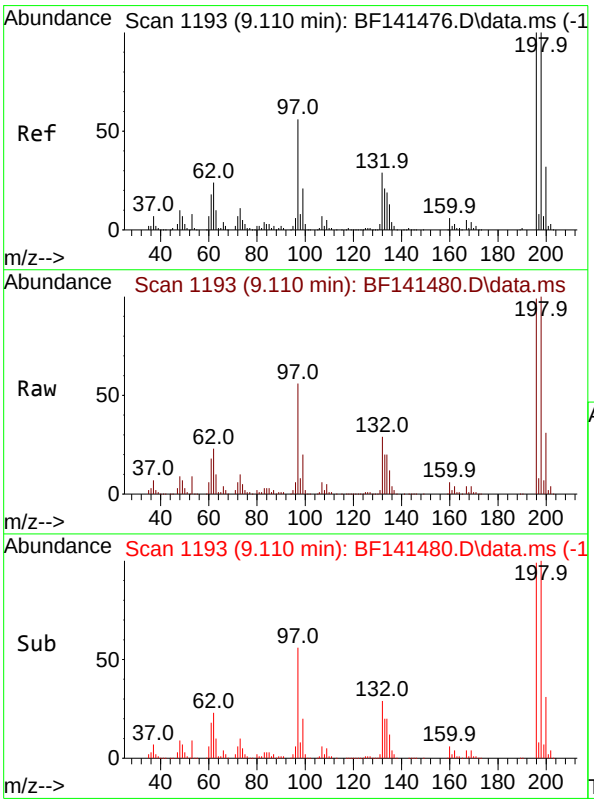

#43
2,4,6-Trichlorophenol
Concen: 39.914 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:196 Resp: 147770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.8 | 80.6 | 121.0 |
| 200 | 32.3 | 25.5 | 38.3 |

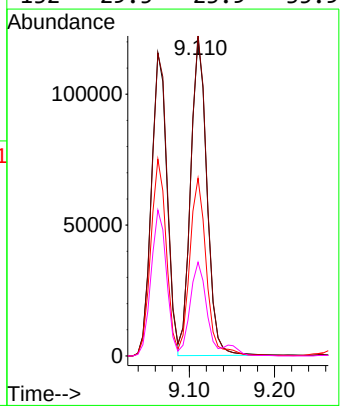


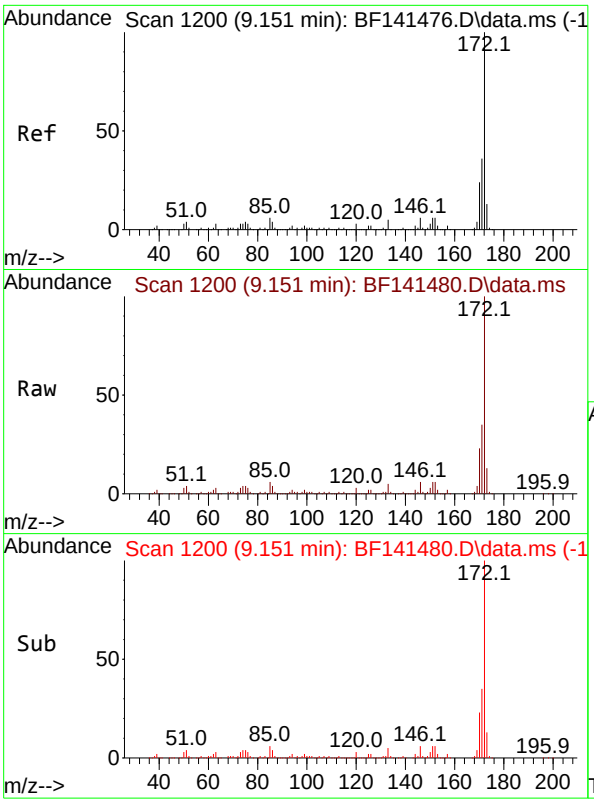




#44
2,4,5-Trichlorophenol
Concen: 40.108 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:196 Resp: 160926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.5 | 79.8 | 119.8 |
| 97 | 55.8 | 44.8 | 67.2 |
| 132 | 29.5 | 23.9 | 35.9 |



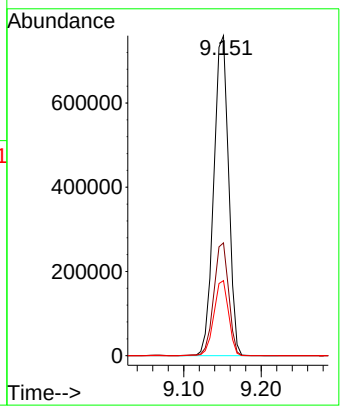


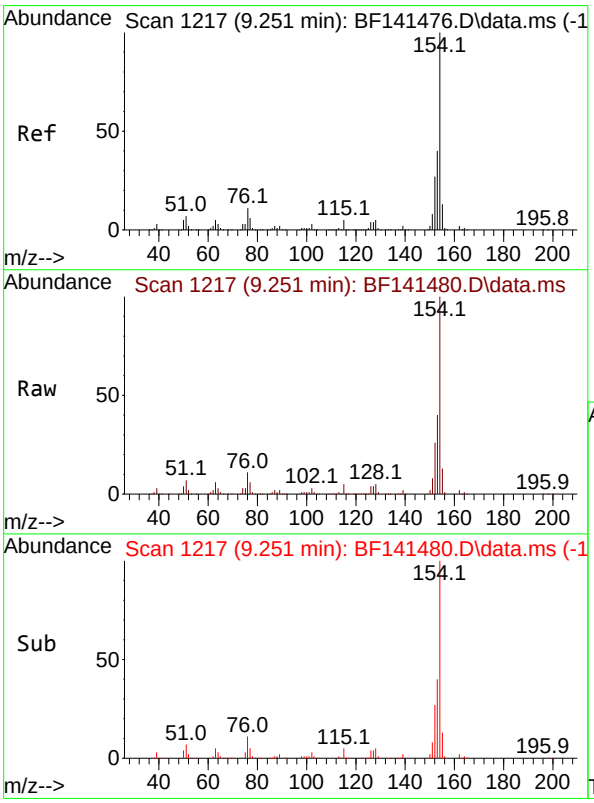

#45
2-Fluorobiphenyl
Concen: 78.786 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:172 Resp: 1012492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.7 | 43.1 |
| 170 | 23.4 | 18.9 | 28.3 |

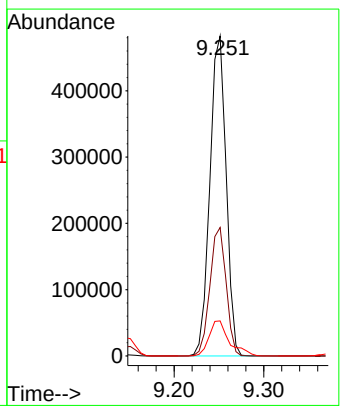


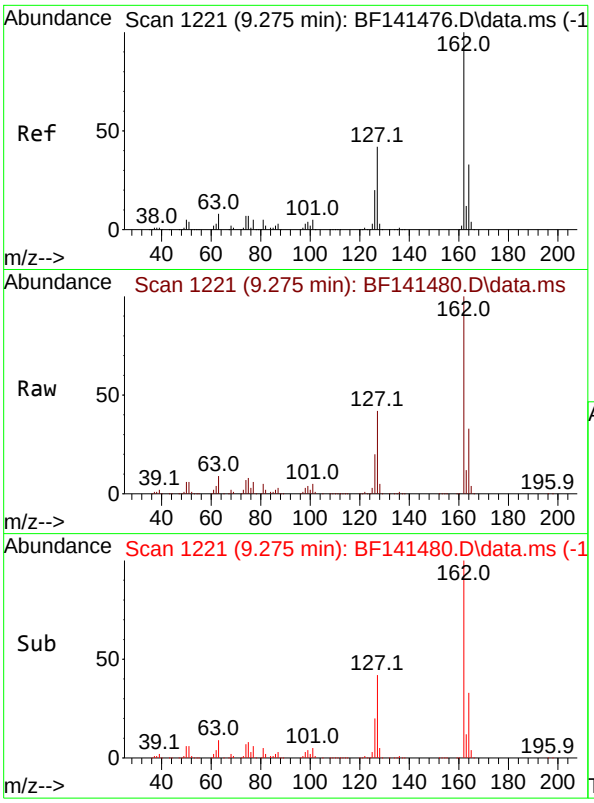




#46
1,1'-Biphenyl
Concen: 39.519 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:154 Resp: 606611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.1 | 20.4 | 60.4 |
| 76 | 10.9 | 0.0 | 30.8 |



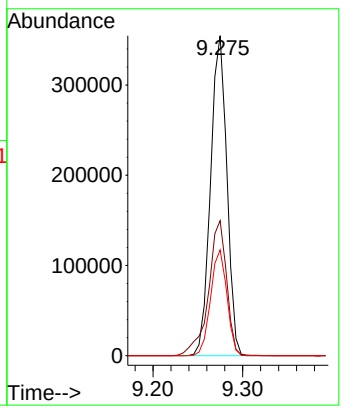


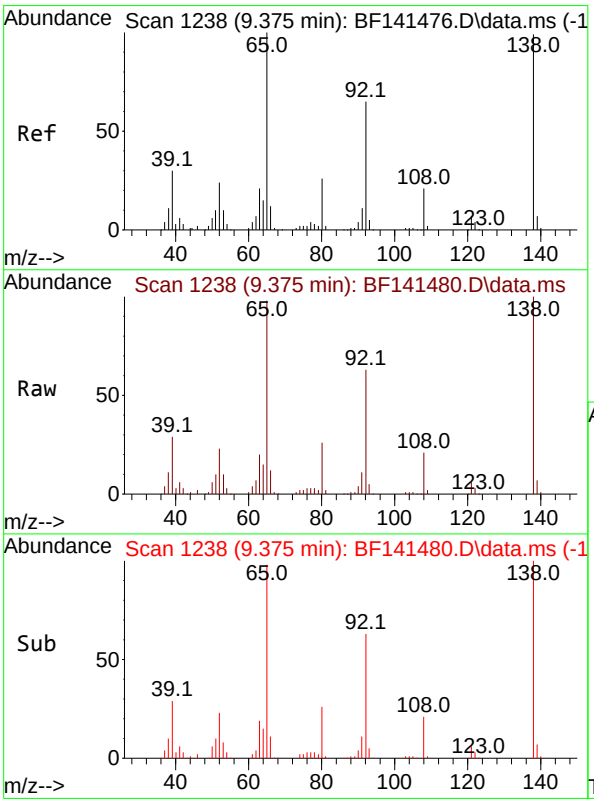

#47
2-Chloronaphthalene
Concen: 39.453 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:162 Resp: 447817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.2 | 34.1 | 51.1 |
| 164 | 33.1 | 26.3 | 39.5 |

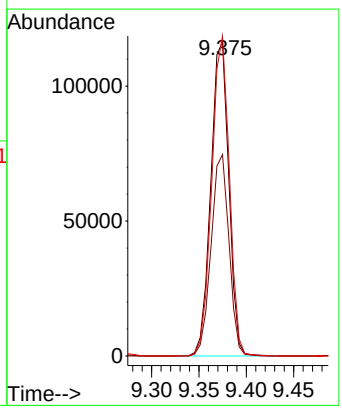


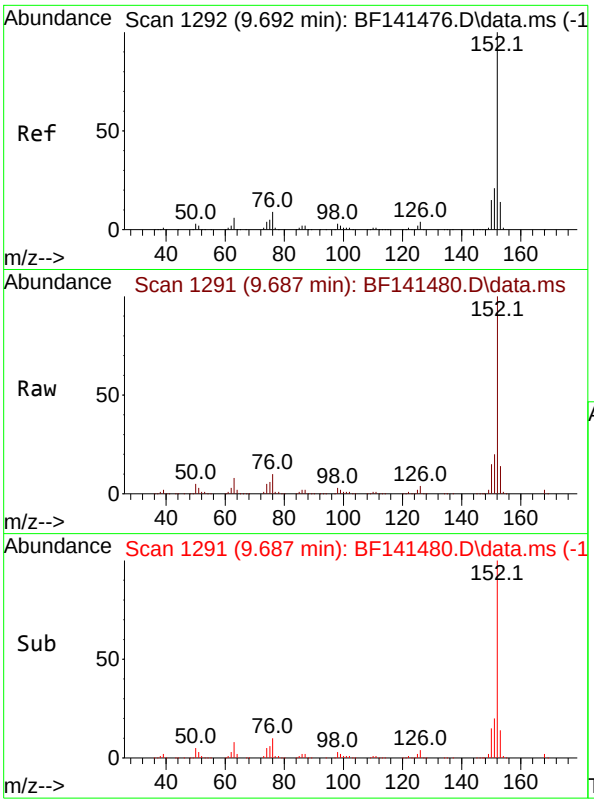




#48
2-Nitroaniline
Concen: 40.451 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 65 Resp: 154092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 64.2 | 52.2 | 78.2 |
| 138 | 101.9 | 79.5 | 119.3 |



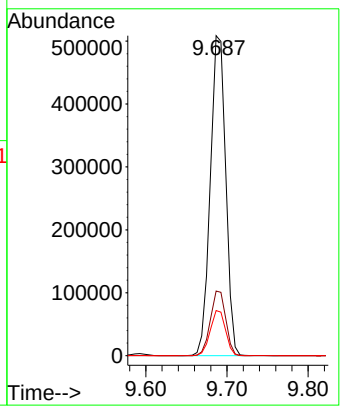


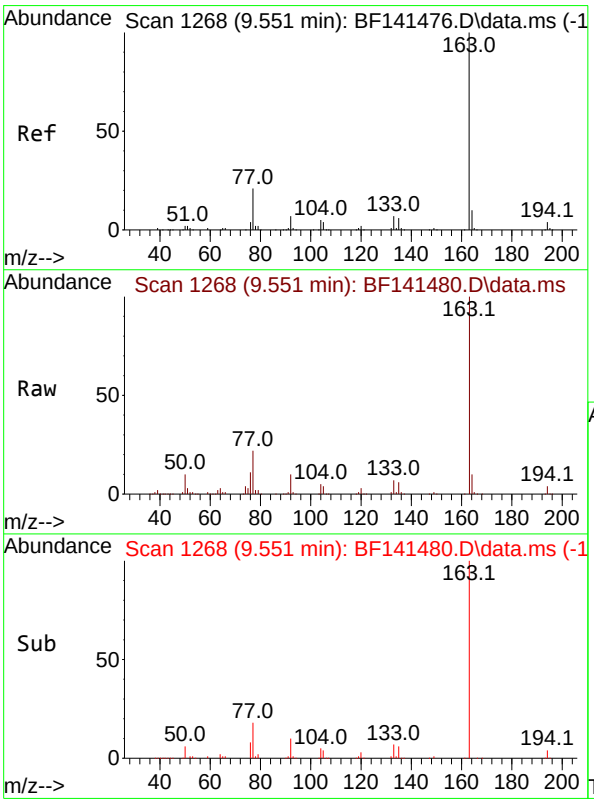

#49
Acenaphthylene
Concen: 39.734 ng
RT: 9.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:152 Resp: 670833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 16.4 | 24.6 |
| 153 | 14.1 | 10.9 | 16.3 |

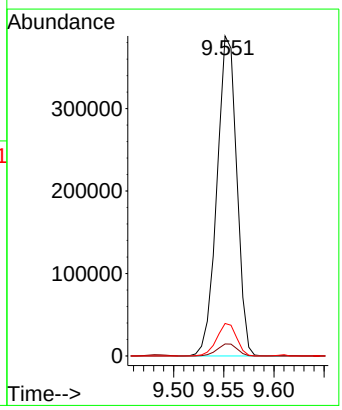


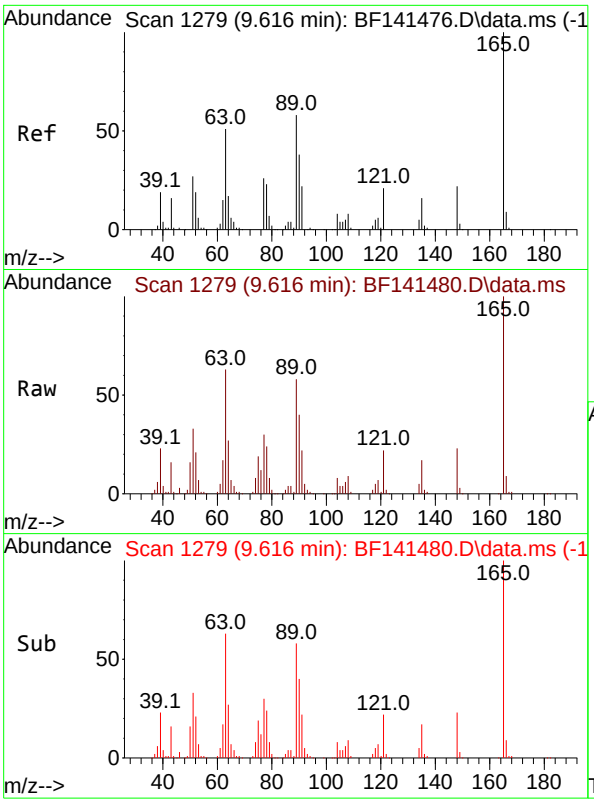




#50
Dimethylphthalate
Concen: 39.488 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:163 Resp: 530769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.4 |
| 164 | 10.2 | 7.9 | 11.9 |



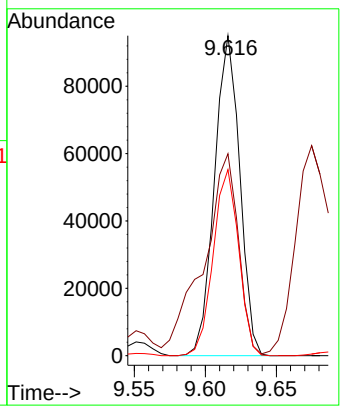


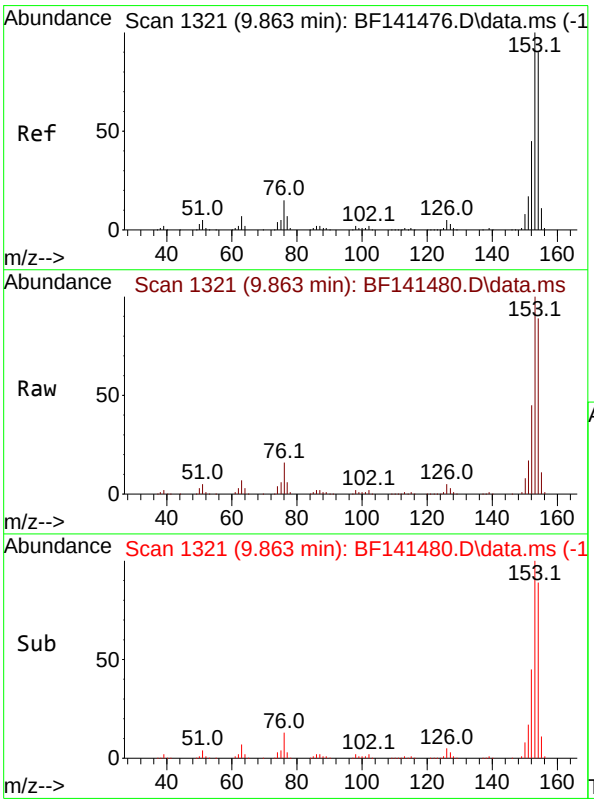

#51
2,6-Dinitrotoluene
Concen: 39.965 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:165 Resp: 117431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 63.1 | 49.4 | 74.0 |
| 89 | 58.2 | 46.5 | 69.7 |

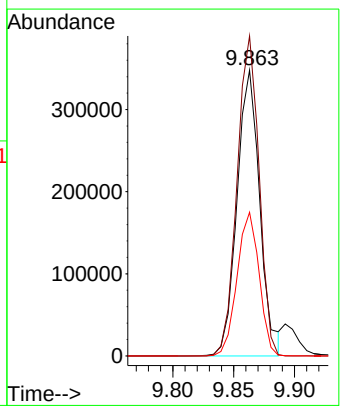


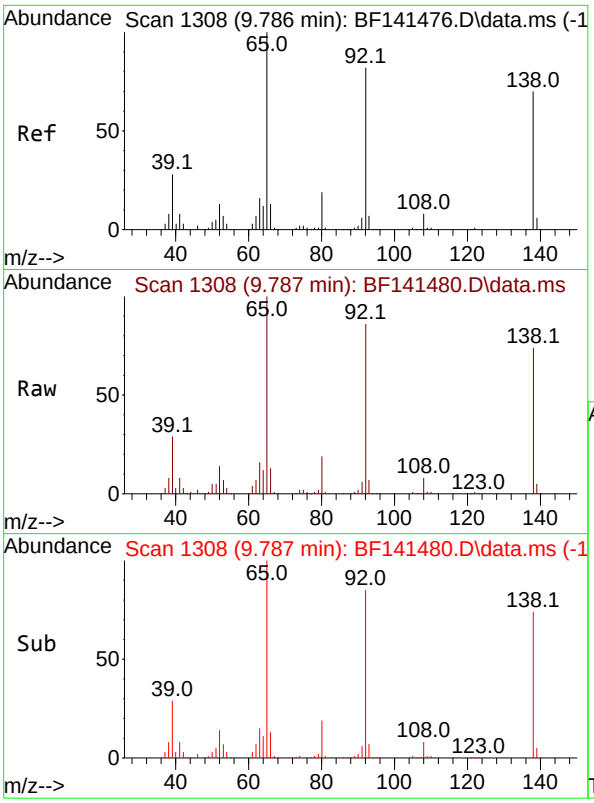




#52
Acenaphthene
Concen: 39.893 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:154 Resp: 452794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.0 | 89.2 | 133.8 |
| 152 | 50.2 | 39.8 | 59.8 |



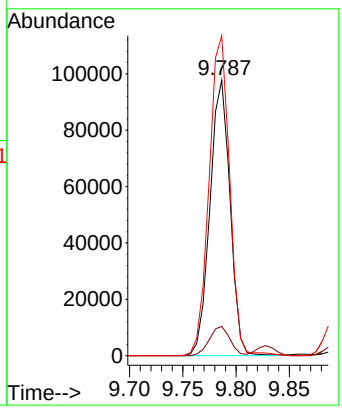


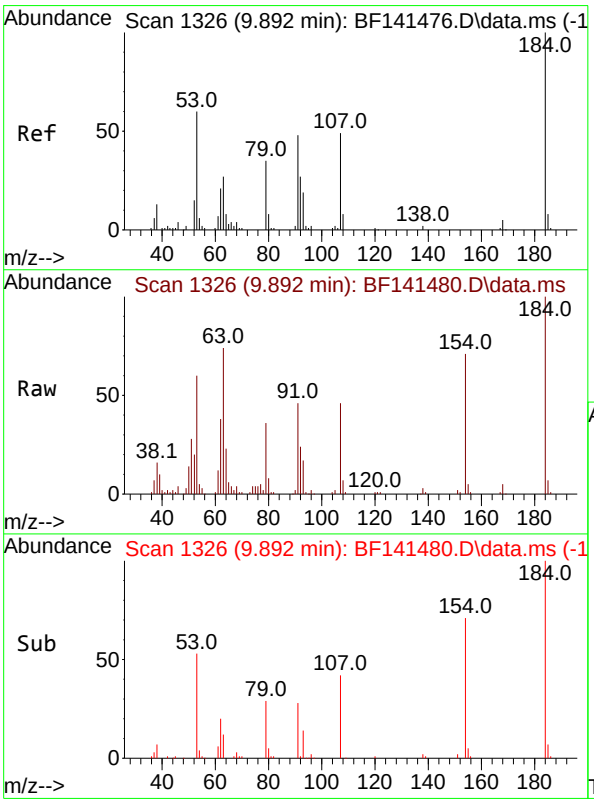

#53
3-Nitroaniline
Concen: 40.463 ng
RT: 9.787 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:138 Resp: 127965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.7 | 9.0 | 13.4 |
| 92 | 116.2 | 93.7 | 140.5 |

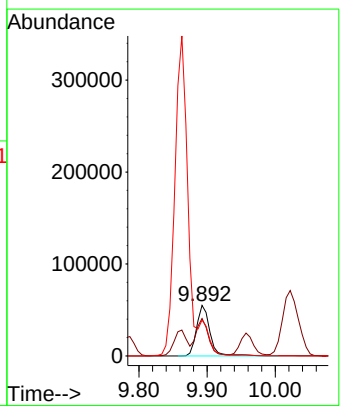


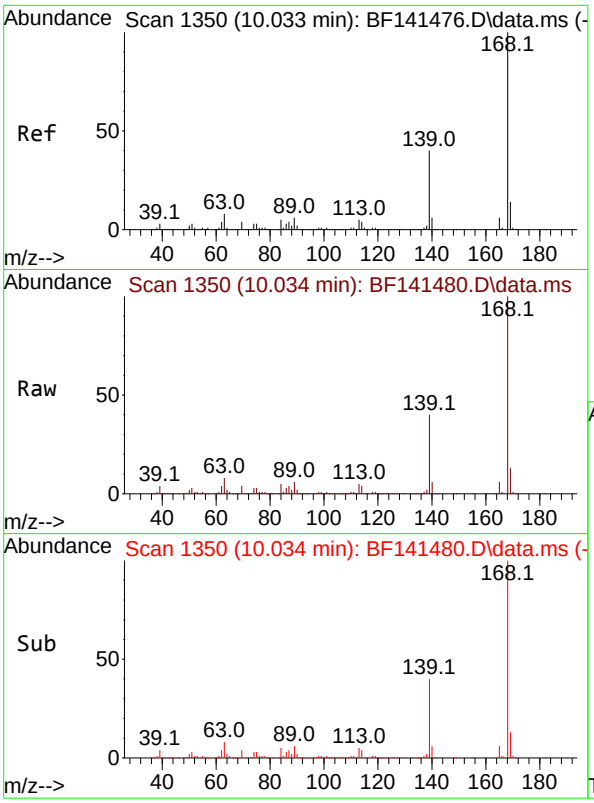




#54
2,4-Dinitrophenol
Concen: 42.639 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:184 Resp: 74461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 74.2 | 61.0 | 91.6 |
| 154 | 71.0 | 59.9 | 89.9 |



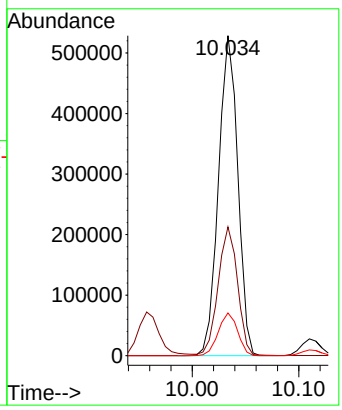


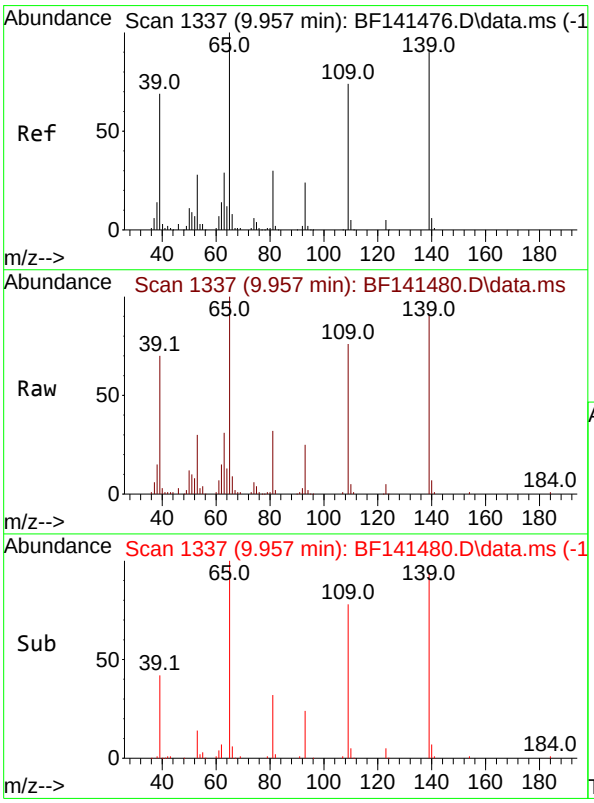

#55
Dibenzofuran
Concen: 39.860 ng
RT: 10.034 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:168 Resp: 664069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.2 | 32.7 | 49.1 |
| 169 | 13.4 | 10.8 | 16.2 |

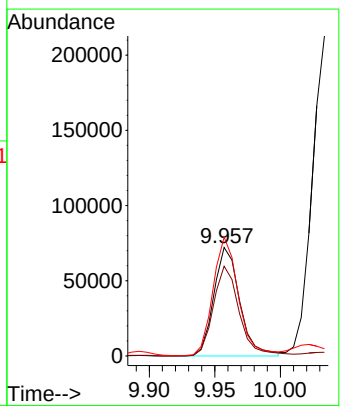


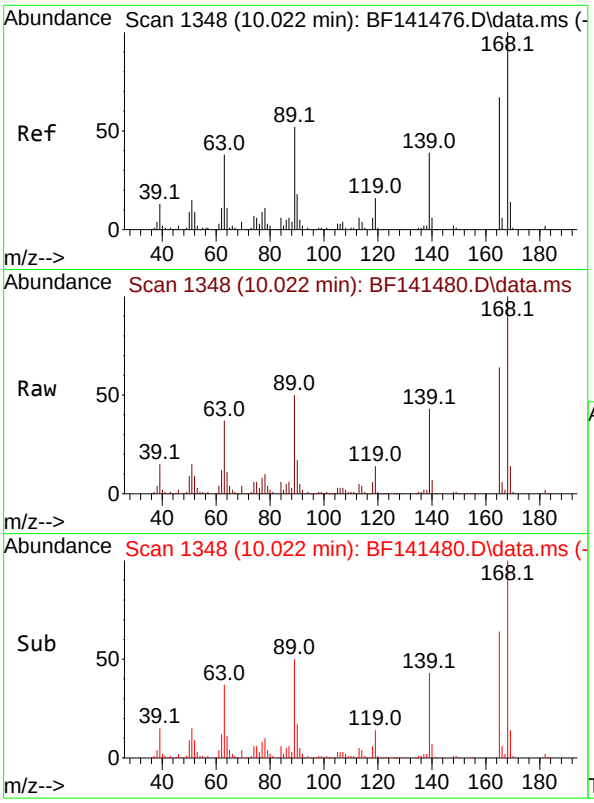




#56
4-Nitrophenol
Concen: 42.166 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:139 Resp: 98990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 82.7 | 62.0 | 102.0 |
| 65 | 109.5 | 91.2 | 131.2 |



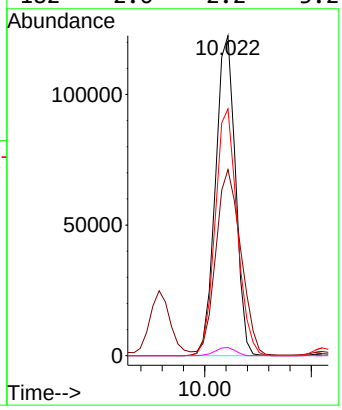


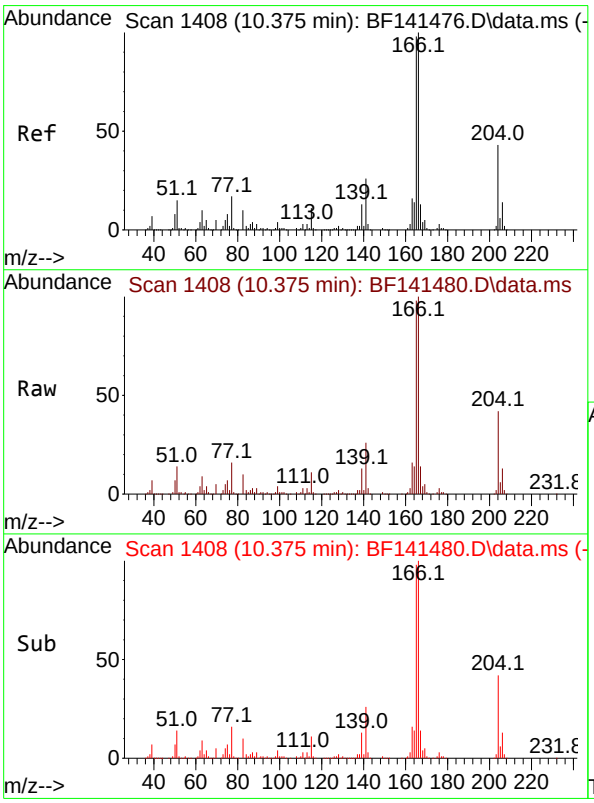

#57
2,4-Dinitrotoluene
Concen: 40.633 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:165 Resp: 158941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 58.1 | 46.4 | 69.6 |
| 89 | 77.2 | 61.8 | 92.6 |
| 182 | 2.6 | 2.2 | 3.2 |

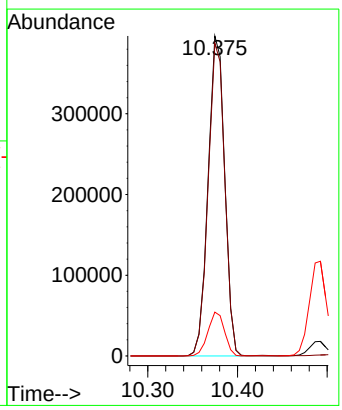


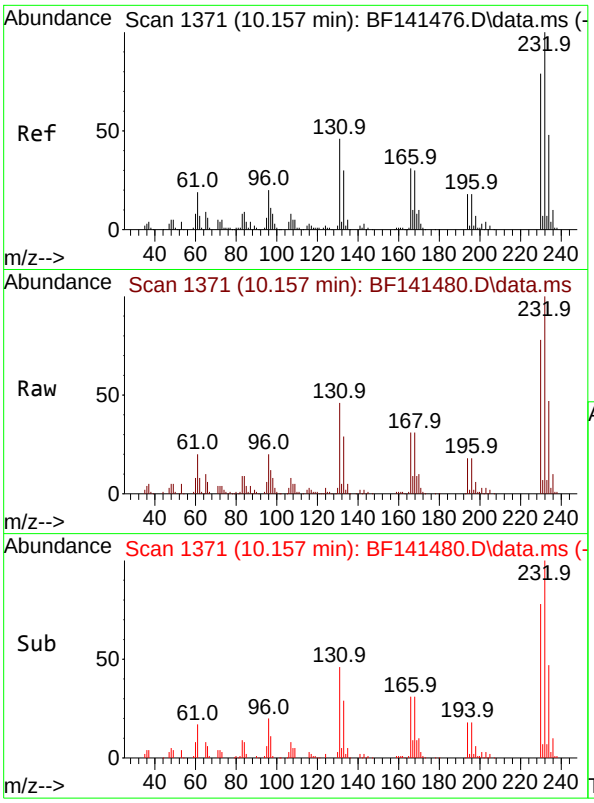




#58
Fluorene
Concen: 39.501 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:166 Resp: 508833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.8 | 78.2 | 117.2 |
| 167 | 13.7 | 10.7 | 16.1 |



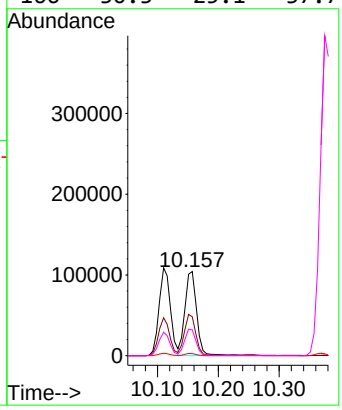


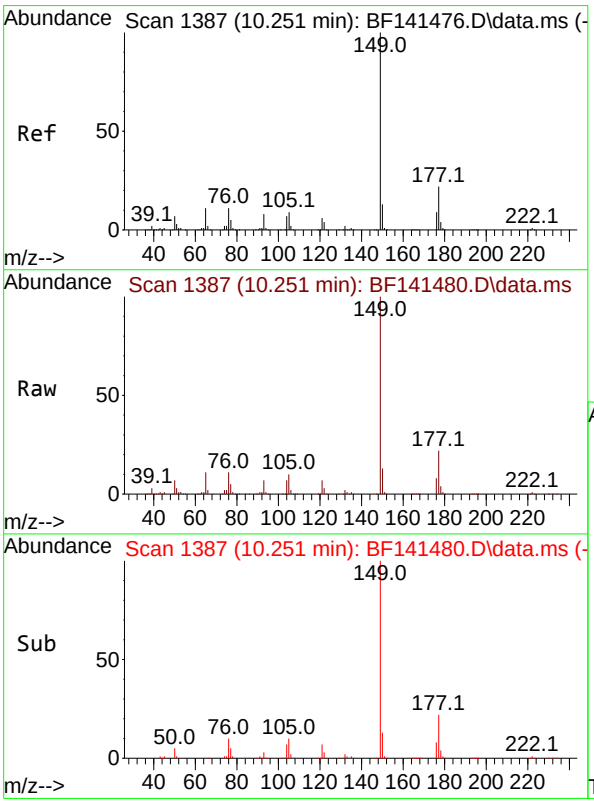

#59
2,3,4,6-Tetrachlorophenol
Concen: 40.438 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:232 Resp: 139688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.8 | 39.2 | 58.8 |
| 130 | 2.6 | 2.1 | 3.1 |
| 166 | 30.3 | 25.1 | 37.7 |

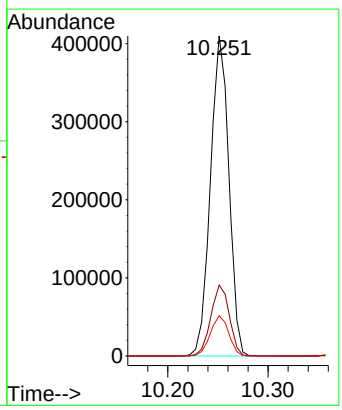


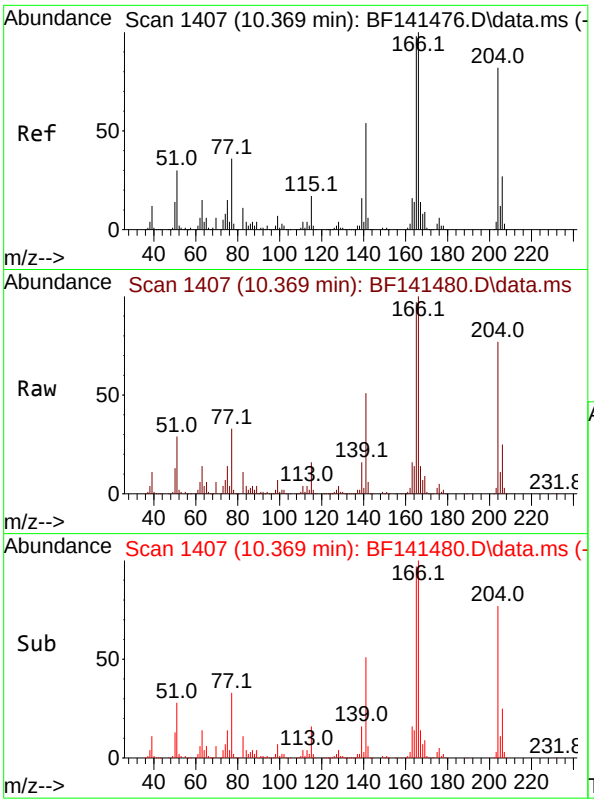




#60
Diethylphthalate
Concen: 39.467 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:149 Resp: 521933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.2 | 17.8 | 26.6 |
| 150 | 12.6 | 10.1 | 15.1 |



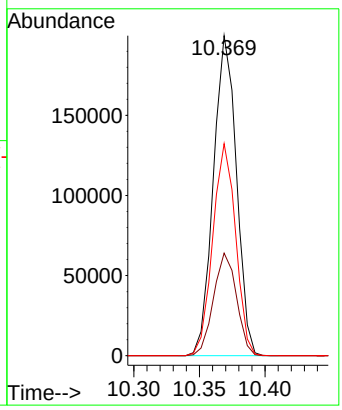


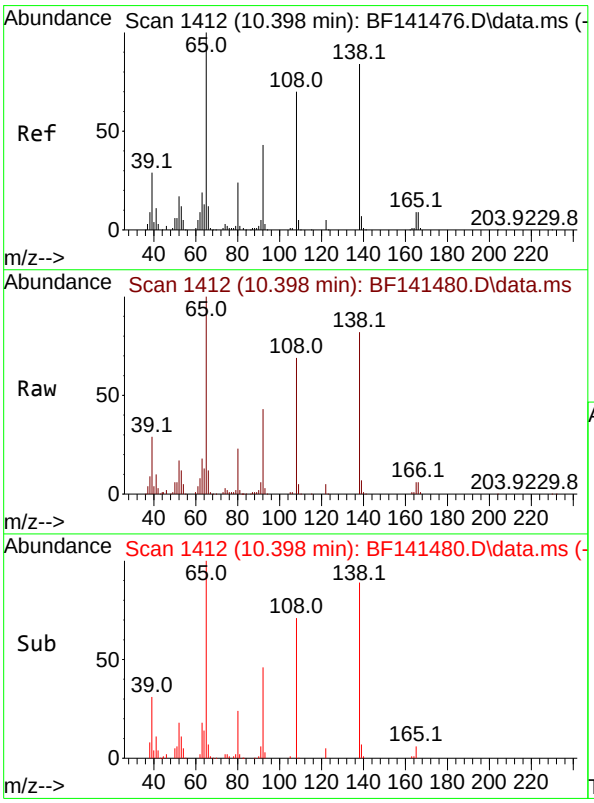

#61
4-Chlorophenyl-phenylether
Concen: 39.318 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:204 Resp: 243659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.1 | 26.6 | 40.0 |
| 141 | 66.2 | 51.9 | 77.9 |

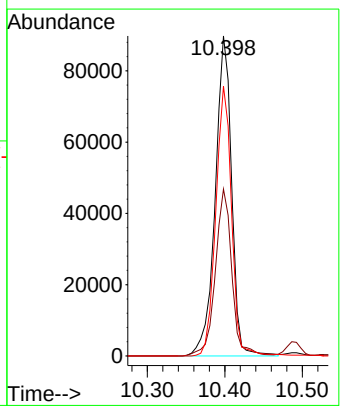


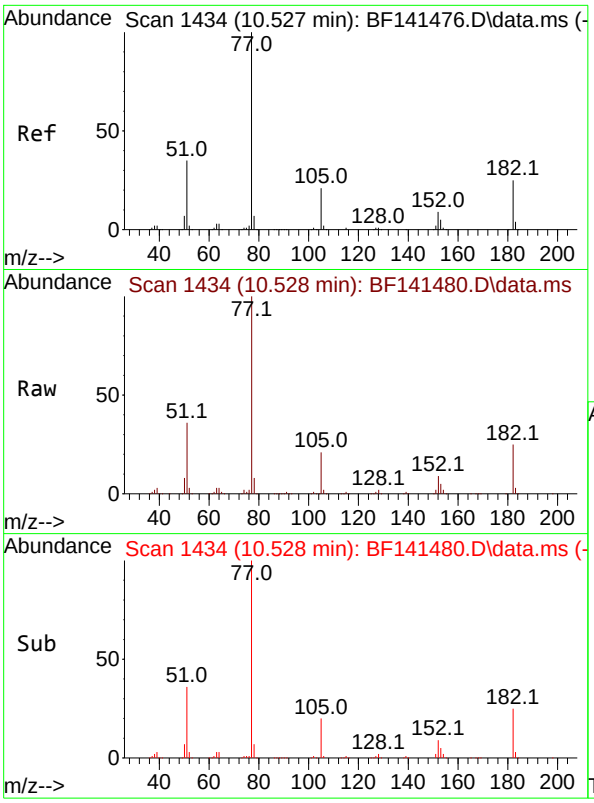




#62
4-Nitroaniline
Concen: 41.124 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.017 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:138 Resp: 132059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 52.1 | 31.3 | 71.3 |
| 108 | 84.3 | 63.7 | 103.7 |



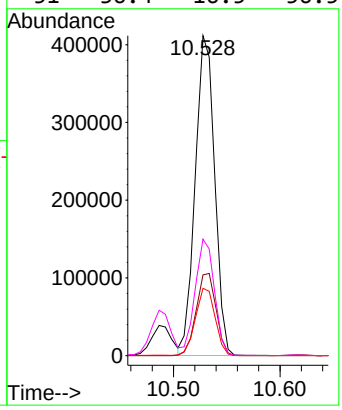


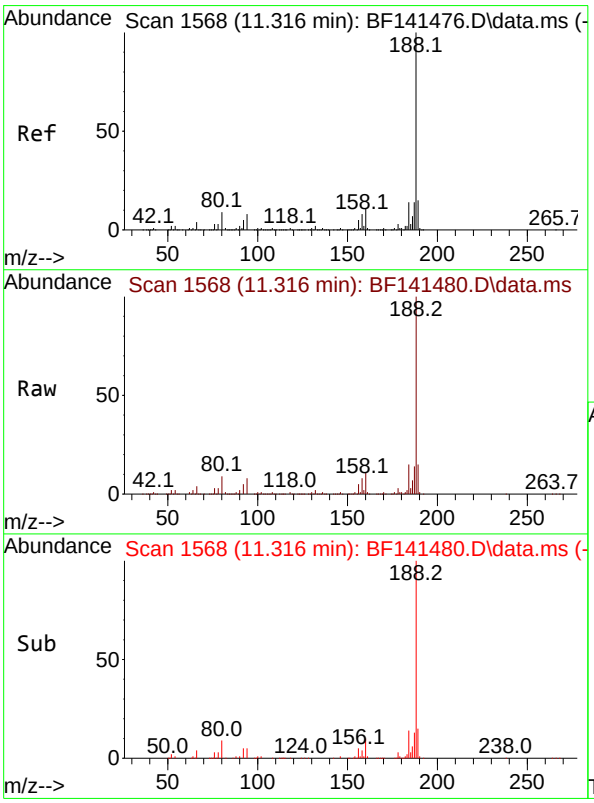

#63
Azobenzene
Concen: 39.759 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion: 77 Resp: 522705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.2 | 4.7 | 44.7 |
| 105 | 21.0 | 0.4 | 40.4 |
| 51 | 36.4 | 16.5 | 56.5 |

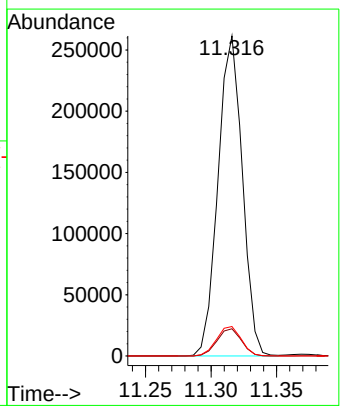


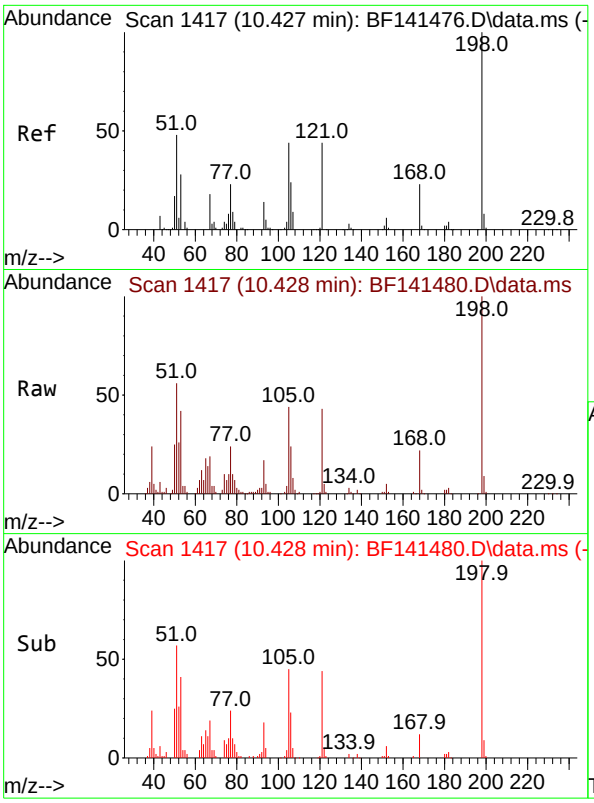




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:188 Resp: 337289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 6.6 | 10.0 |
| 80 | 9.2 | 7.3 | 10.9 |



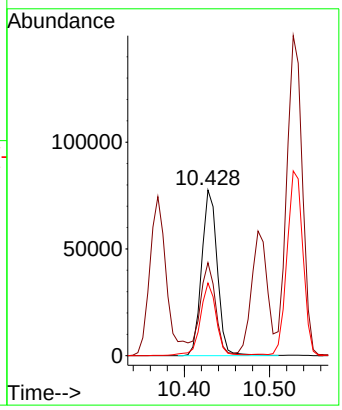


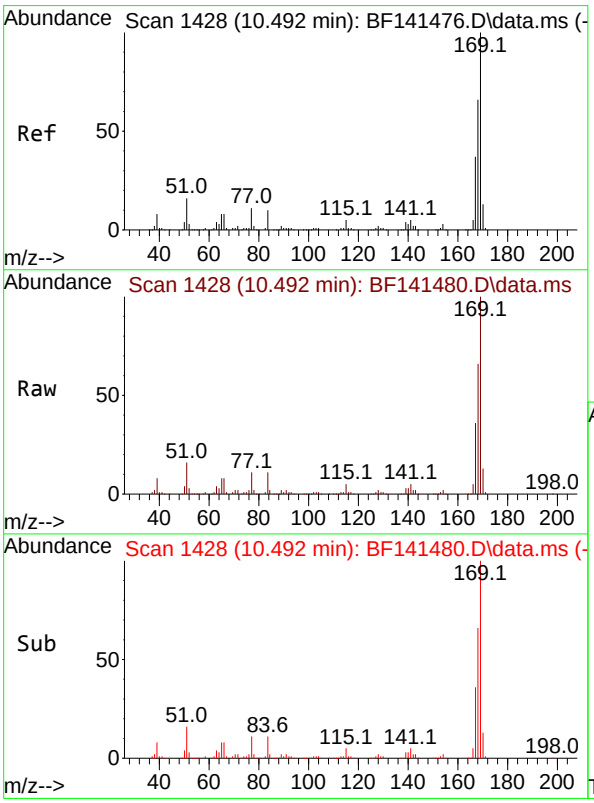

#65
4,6-Dinitro-2-methylphenol
Concen: 42.230 ng
RT: 10.428 min Scan# 14
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:198 Resp: 98944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 56.2 | 37.4 | 77.4 |
| 105 | 43.9 | 25.2 | 65.2 |

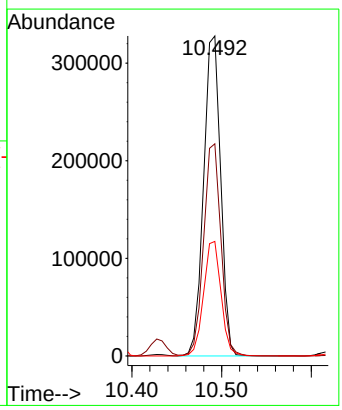


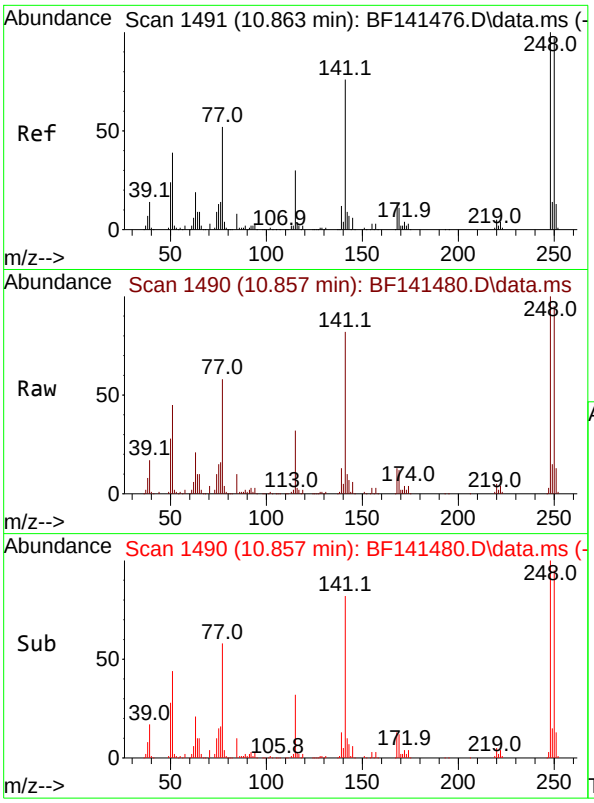




#66
n-Nitrosodiphenylamine
Concen: 40.040 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:169 Resp: 432307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.3 | 53.3 | 79.9 |
| 167 | 35.8 | 29.4 | 44.2 |



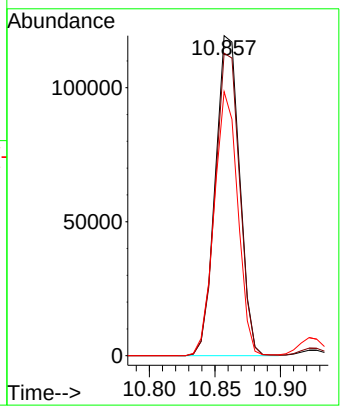


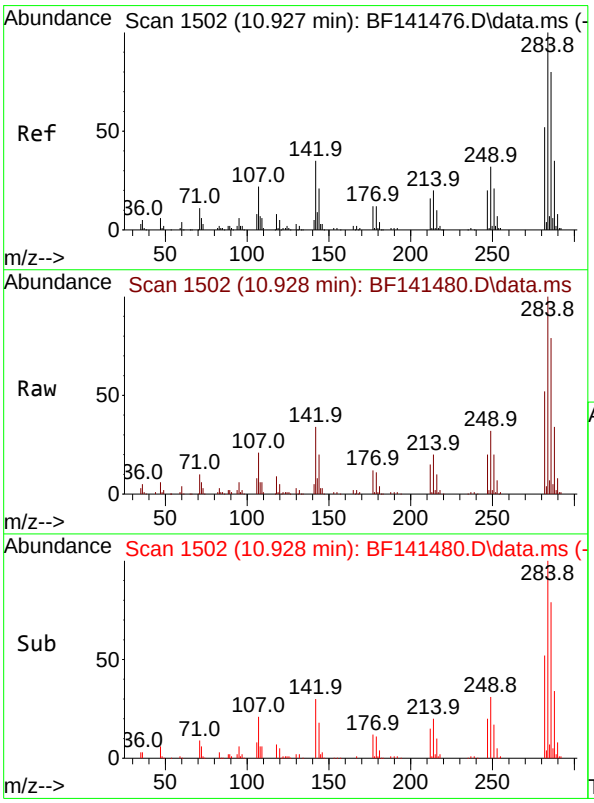

#67
4-Bromophenyl-phenylether
Concen: 40.864 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:248 Resp: 154044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 94.5 | 77.8 | 116.6 |
| 141 | 82.5 | 60.6 | 90.8 |

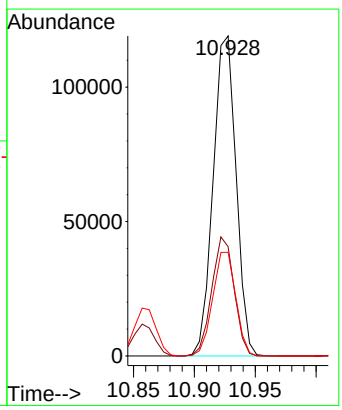


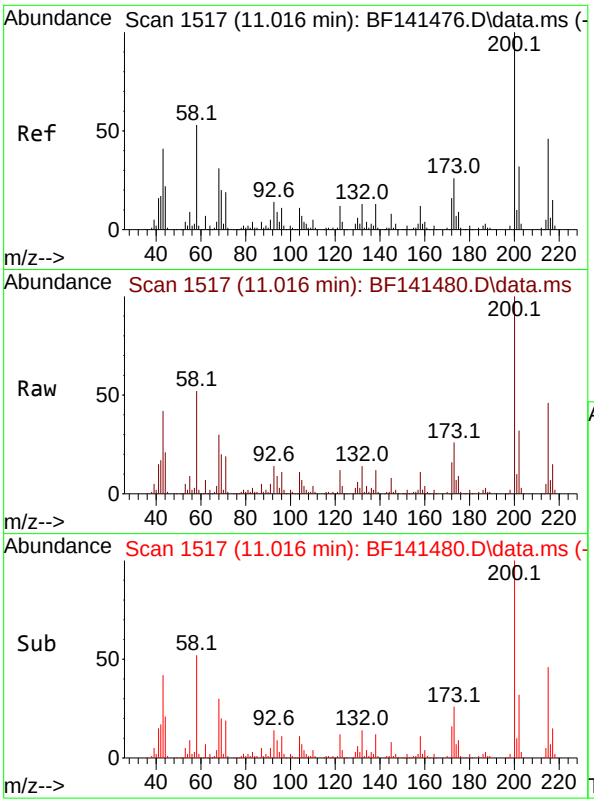




#68
Hexachlorobenzene
Concen: 40.208 ng
RT: 10.928 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:284 Resp: 156075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.2 | 28.0 | 42.0 |
| 249 | 32.4 | 25.8 | 38.8 |



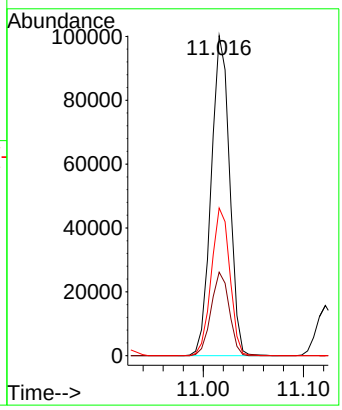


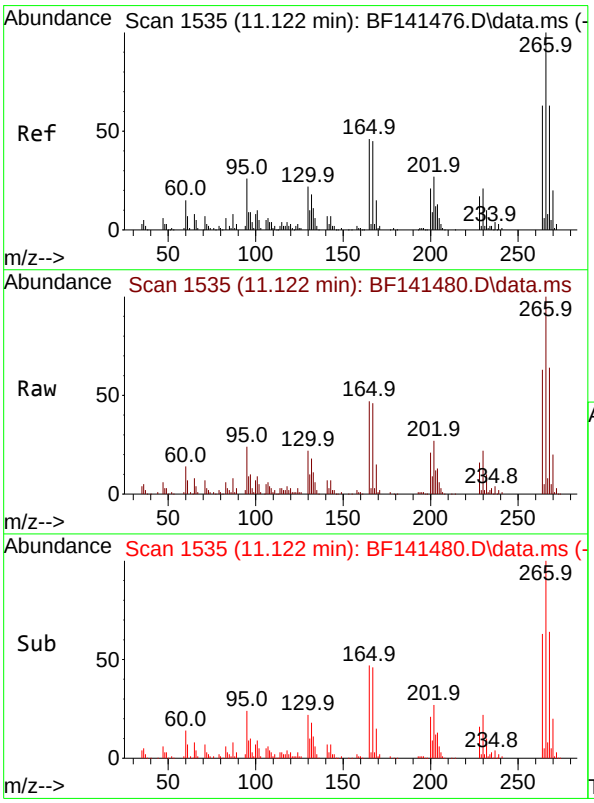

#69
Atrazine
Concen: 39.358 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:200 Resp: 127486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.1 | 5.9 | 45.9 |
| 215 | 46.2 | 25.9 | 65.9 |

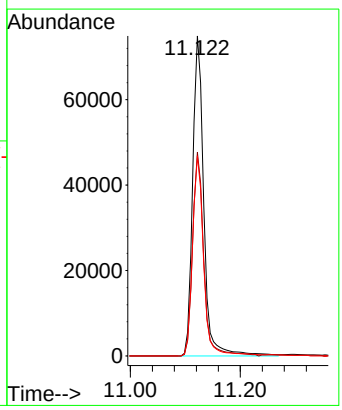


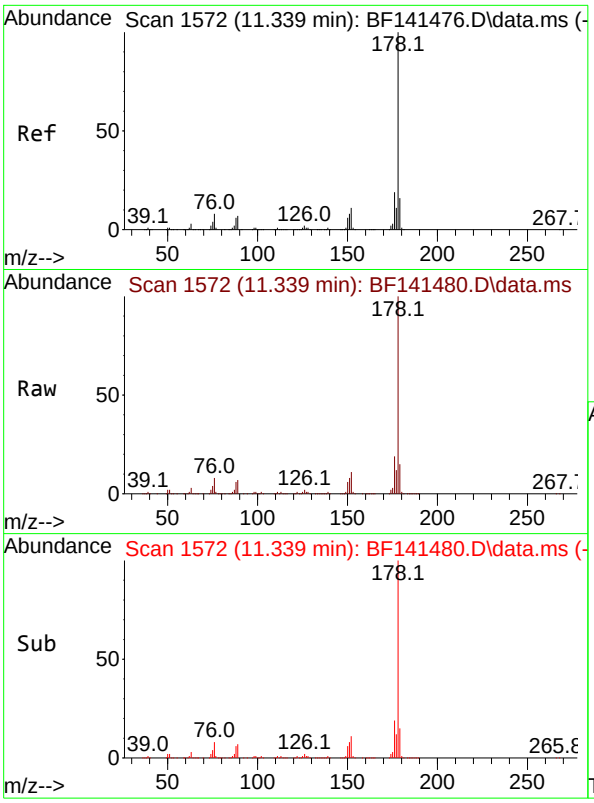




#70
Pentachlorophenol
Concen: 42.476 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:266 Resp: 105427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.6 | 50.1 | 75.1 |
| 264 | 62.5 | 50.1 | 75.1 |



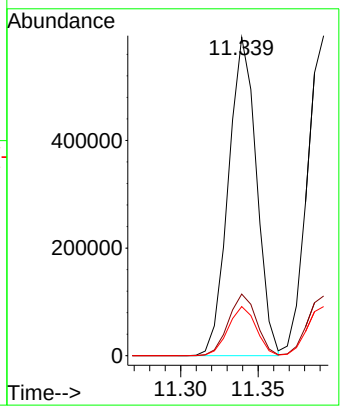


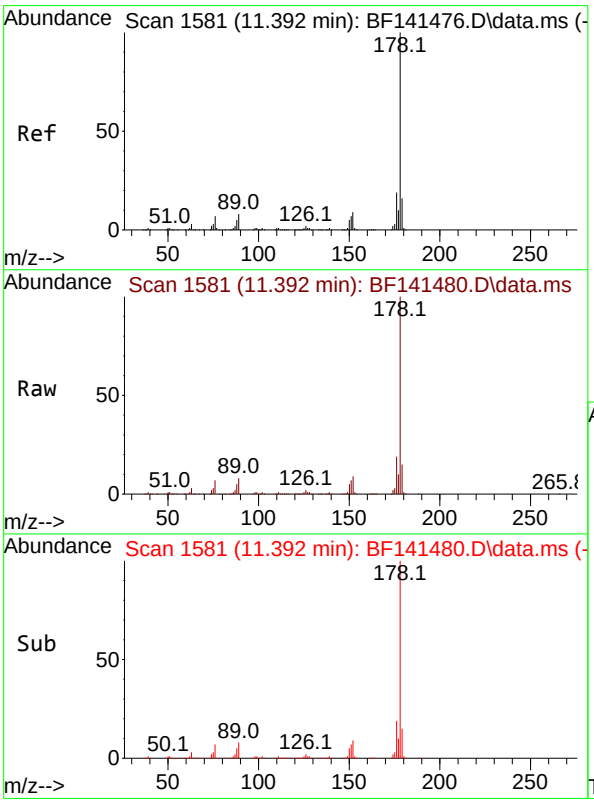

#71
Phenanthrene
Concen: 40.114 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:178 Resp: 744761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.4 | 23.0 |
| 179 | 15.4 | 12.4 | 18.6 |

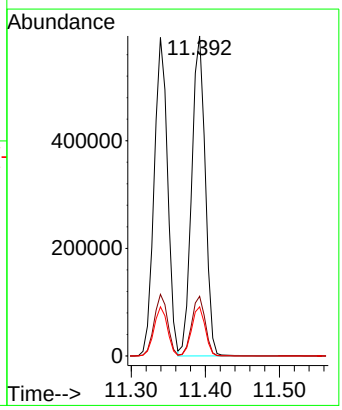


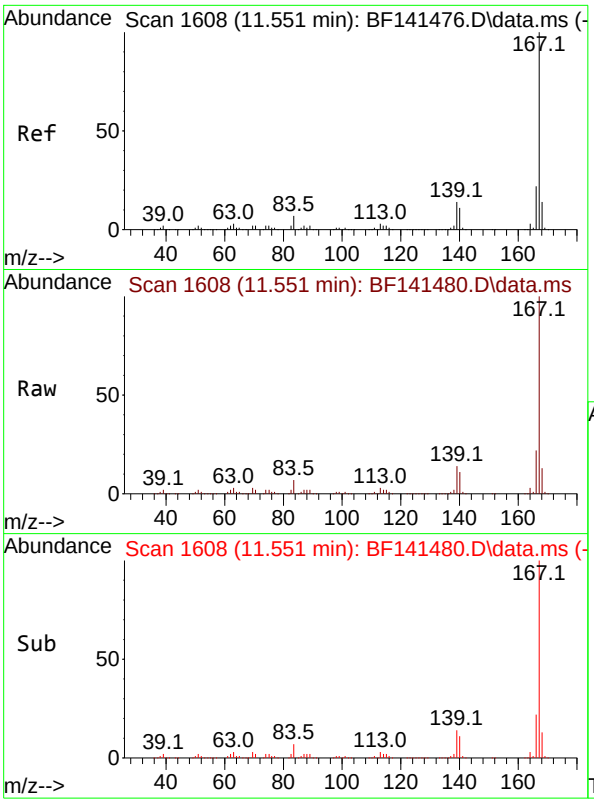




#72
Anthracene
Concen: 40.362 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:178 Resp: 753295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 14.8 | 22.2 |
| 179 | 15.3 | 12.4 | 18.6 |



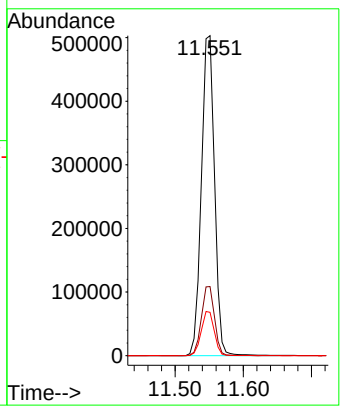


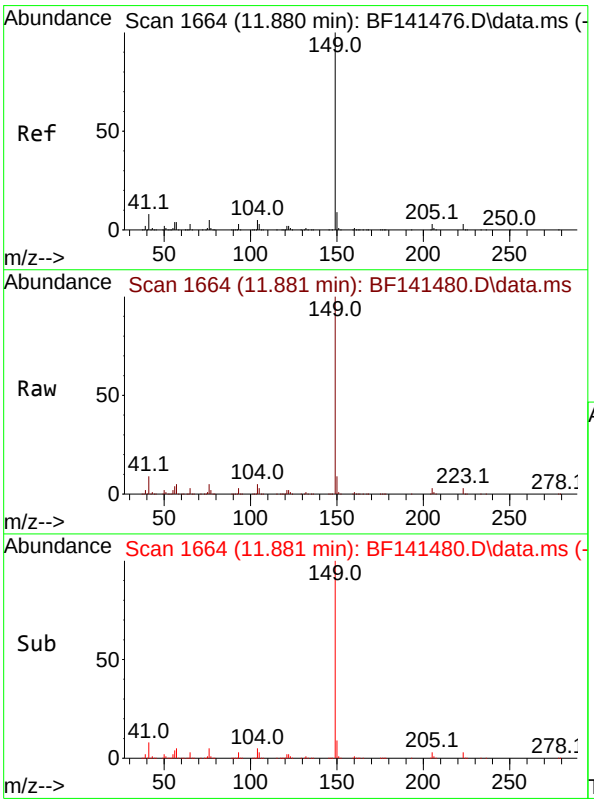

#73
Carbazole
Concen: 40.267 ng
RT: 11.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:167 Resp: 676218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.4 | 26.2 |
| 139 | 13.6 | 10.9 | 16.3 |

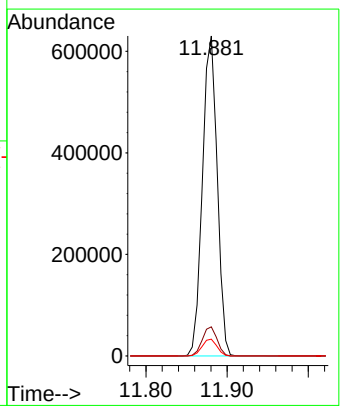


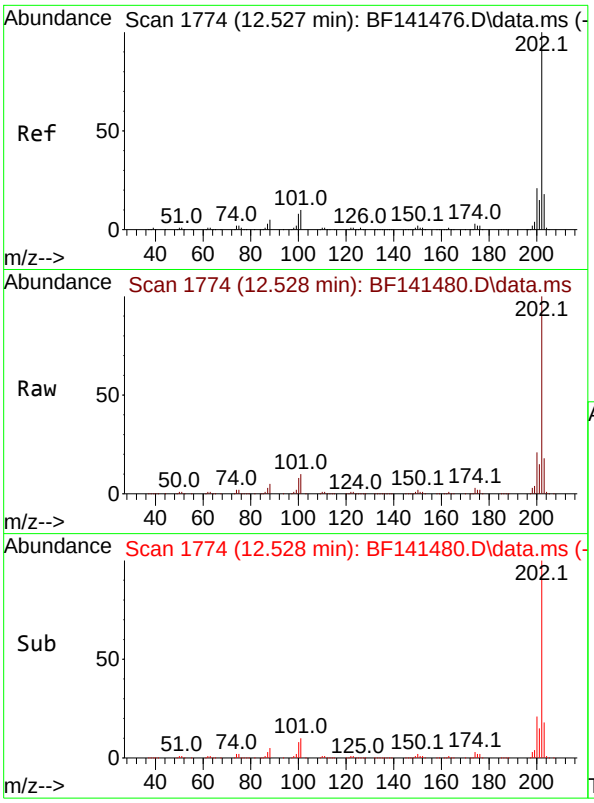




#74
Di-n-butylphthalate
Concen: 40.953 ng
RT: 11.881 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:149 Resp: 794101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.4 | 11.0 |
| 104 | 5.2 | 4.2 | 6.2 |



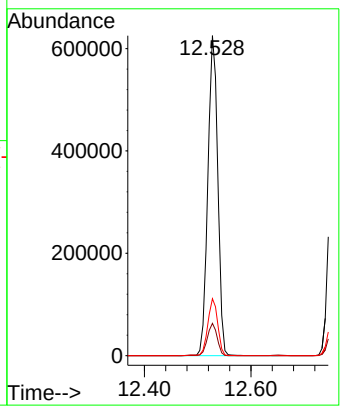


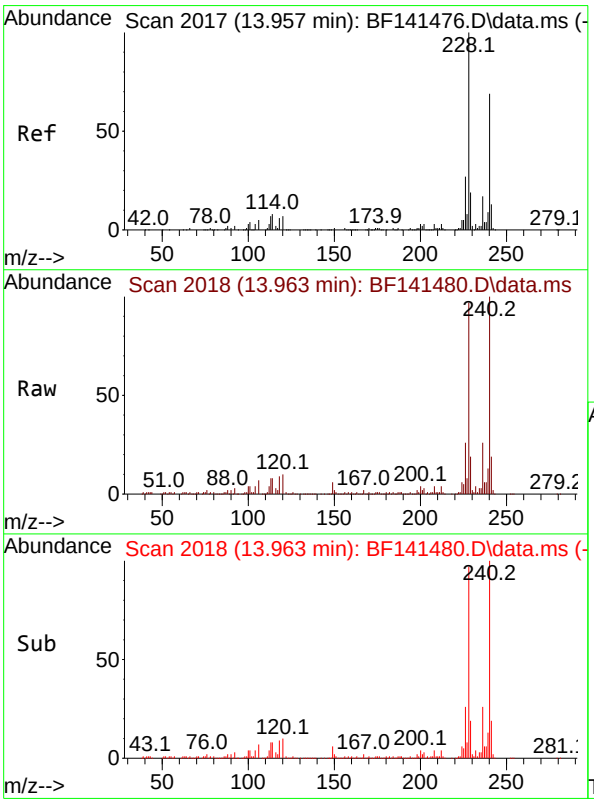

#75
Fluoranthene
Concen: 41.011 ng
RT: 12.528 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:202 Resp: 807256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.1 | 0.0 | 30.2 |
| 203 | 17.8 | 0.0 | 37.6 |

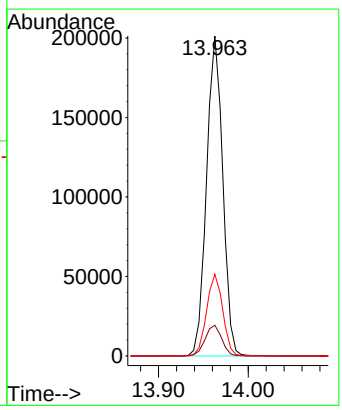


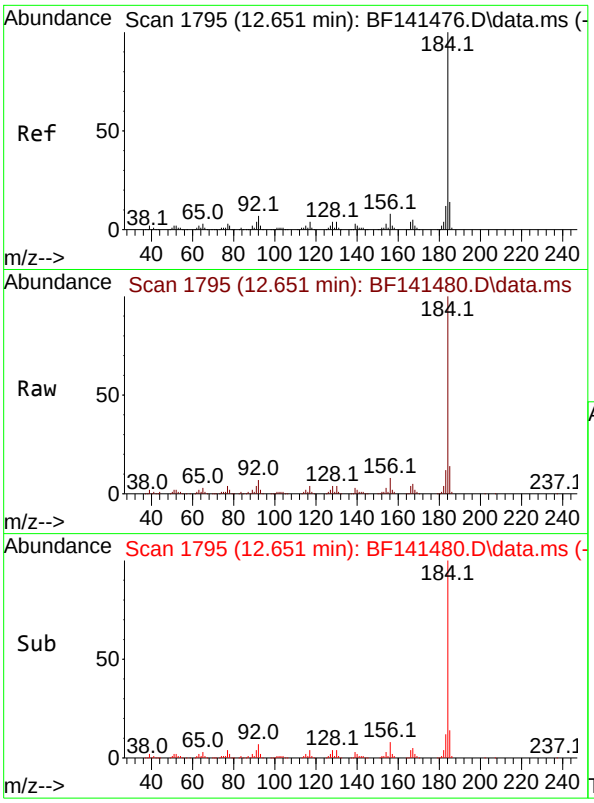




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:240 Resp: 252530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.6 | 8.0 | 12.0 |
| 236 | 25.6 | 19.8 | 29.8 |



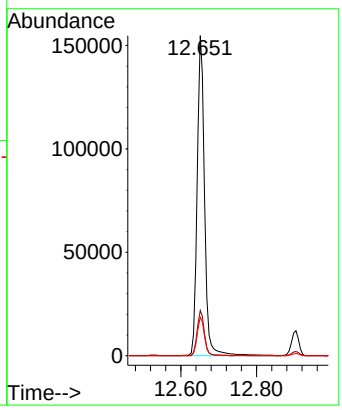


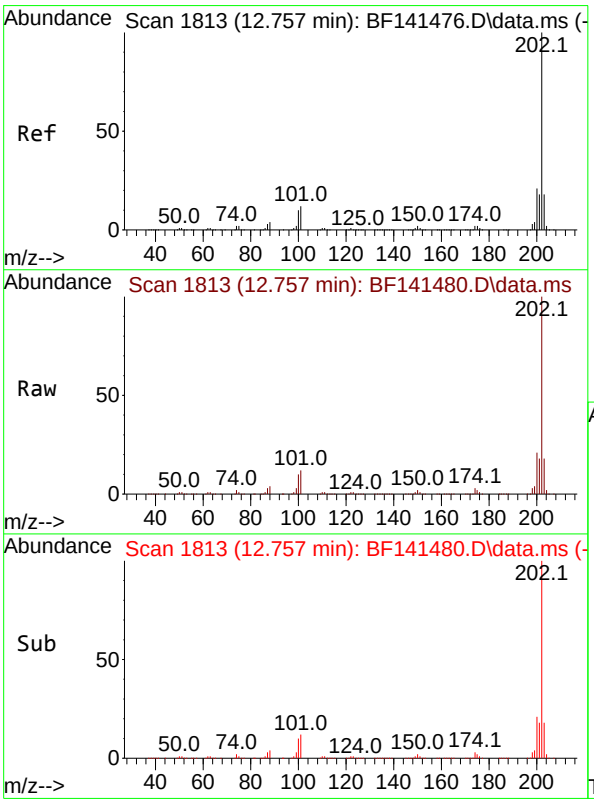

#77
Benzidine
Concen: 38.017 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:184 Resp: 211734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.1 | 11.3 | 16.9 |
| 183 | 12.0 | 9.3 | 13.9 |

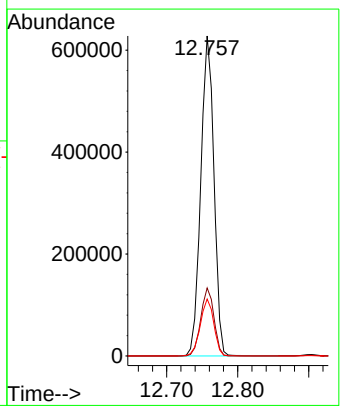


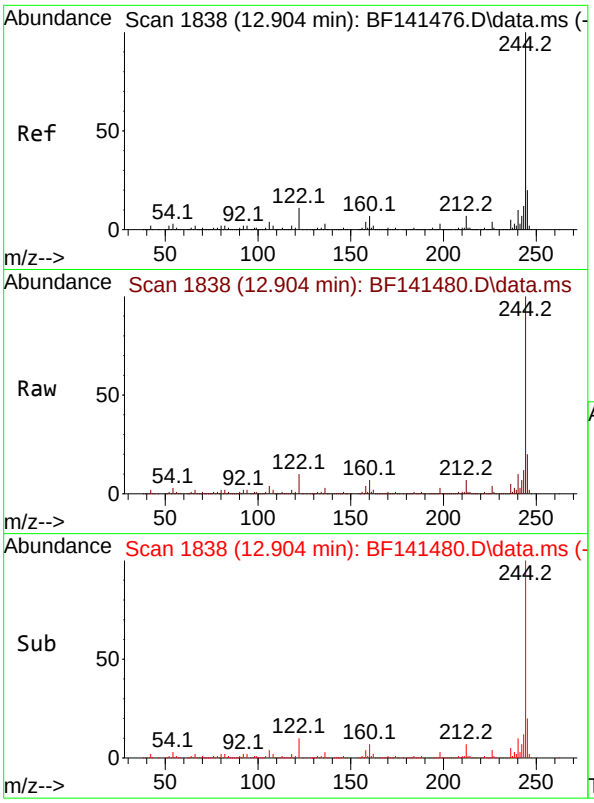




#78
Pyrene
Concen: 37.784 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:202 Resp: 812250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 17.0 | 25.4 |
| 203 | 17.8 | 14.3 | 21.5 |



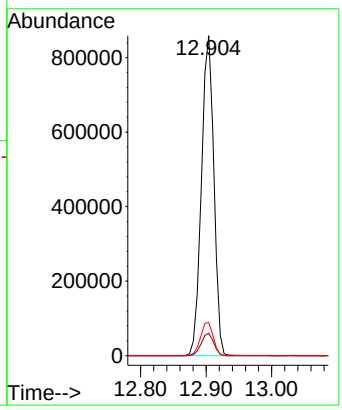


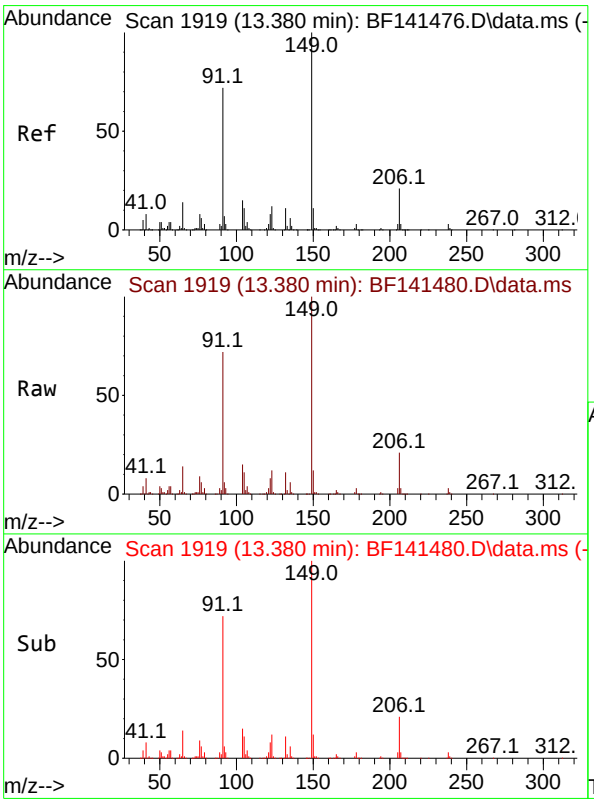

#79
Terphenyl-d14
Concen: 75.750 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:244 Resp: 1133126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.6 | 8.4 |
| 122 | 10.4 | 8.4 | 12.6 |

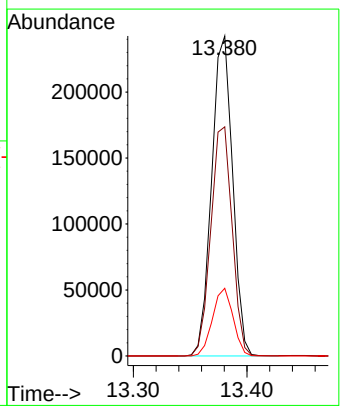


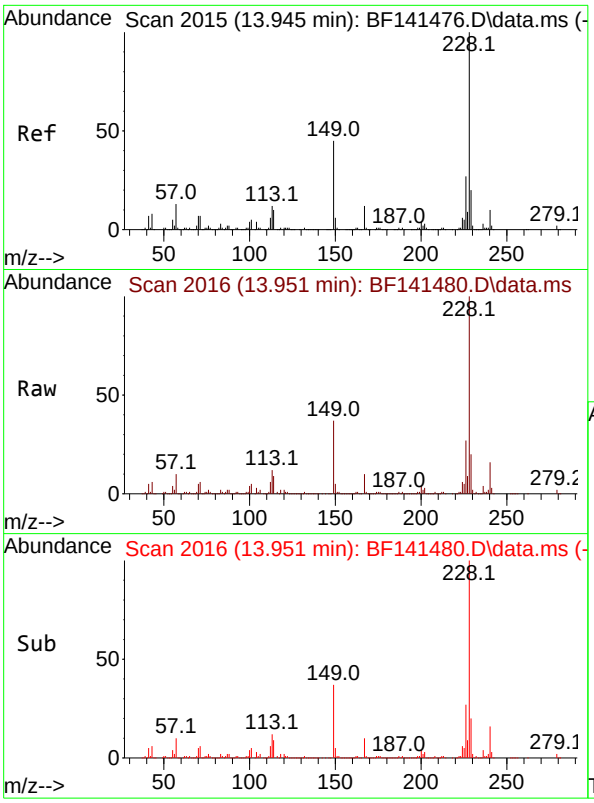




#80
Butylbenzylphthalate
Concen: 41.781 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:149 Resp: 311103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 71.6 | 57.8 | 86.8 |
| 206 | 21.2 | 16.7 | 25.1 |



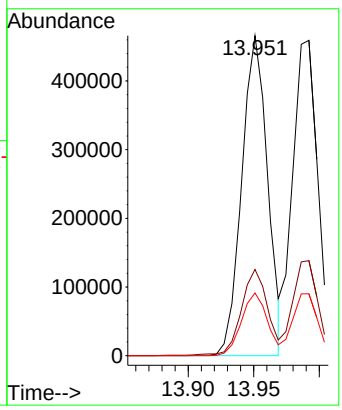


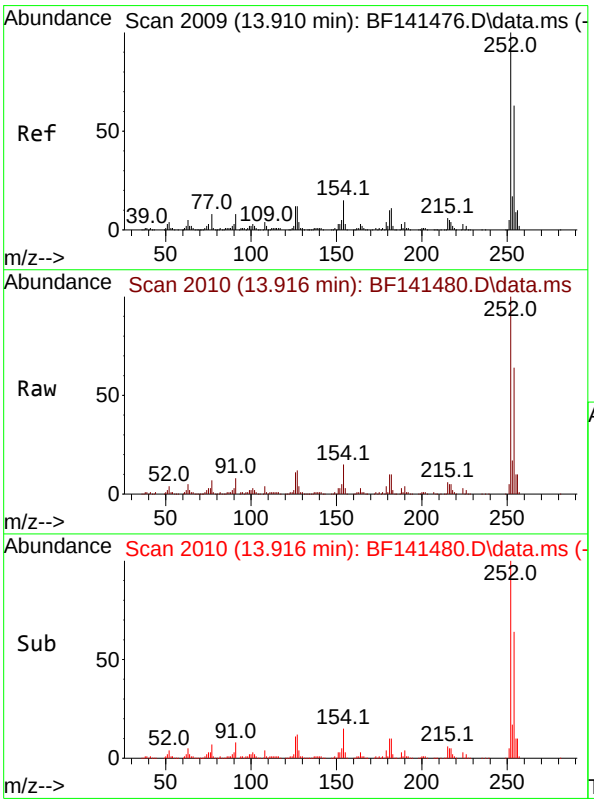

#81
Benzo(a)anthracene
Concen: 38.009 ng
RT: 13.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:228 Resp: 638036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.0 | 21.8 | 32.8 |
| 229 | 19.6 | 15.8 | 23.6 |

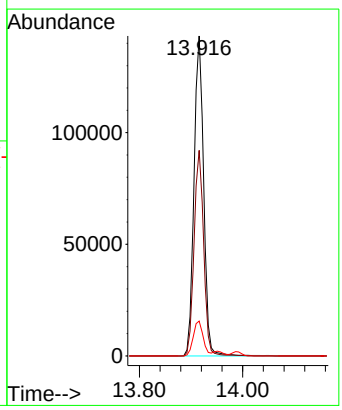


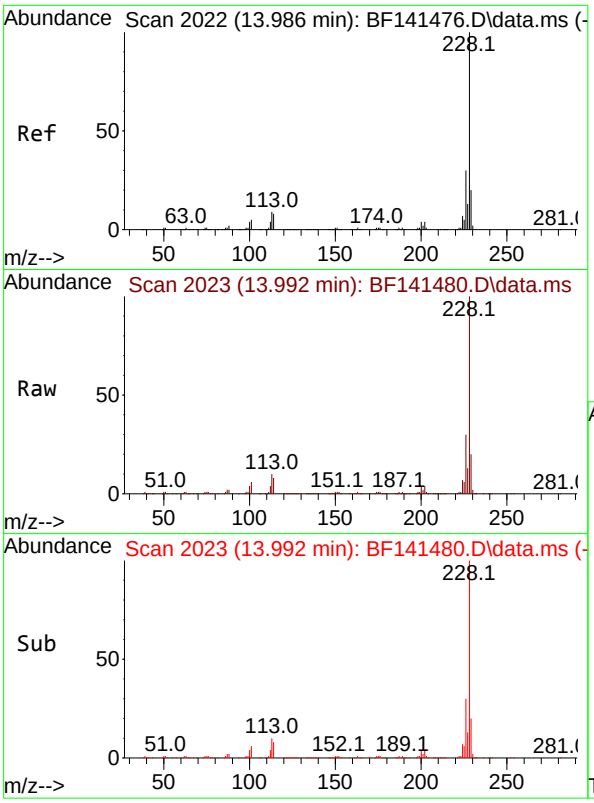




#82
3,3'-Dichlorobenzidine
Concen: 38.608 ng
RT: 13.916 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:252 Resp: 185650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.3 | 50.6 | 76.0 |
| 126 | 10.9 | 9.3 | 13.9 |



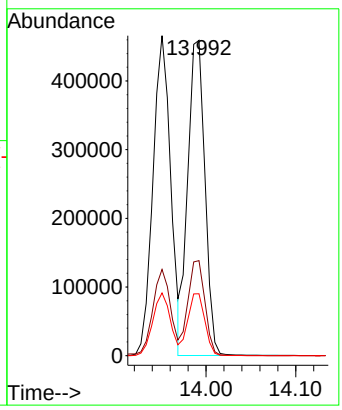


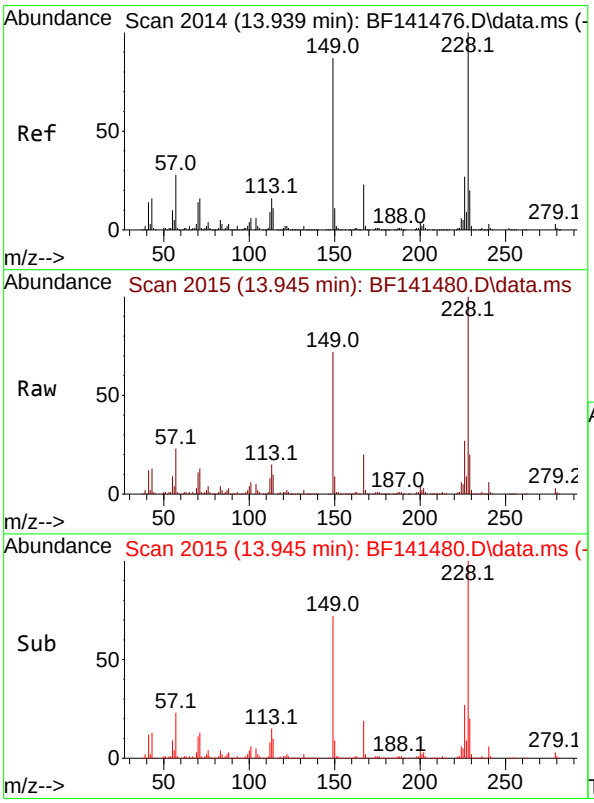

#83
Chrysene
Concen: 39.361 ng
RT: 13.992 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:228 Resp: 610091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.0 | 36.0 |
| 229 | 19.6 | 15.7 | 23.5 |

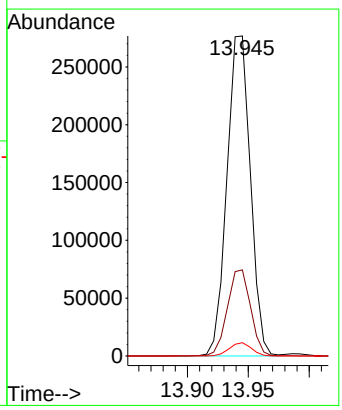


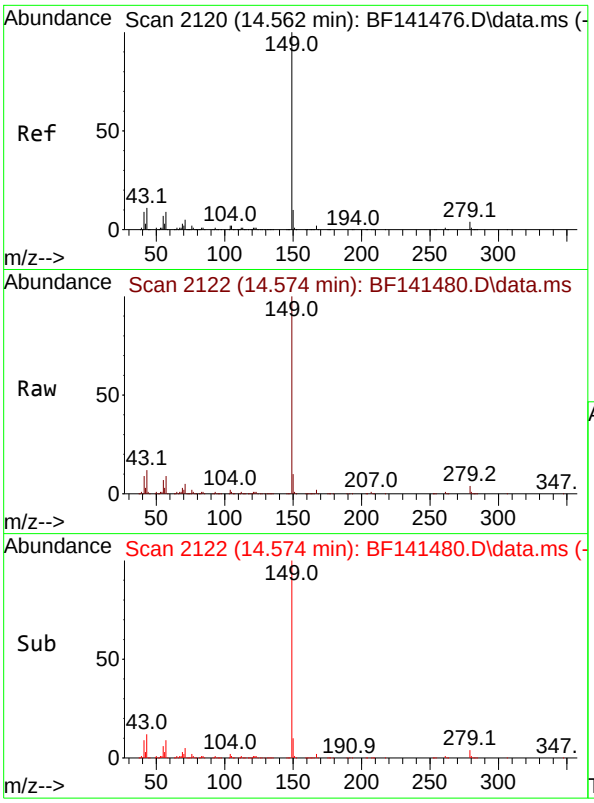




#84
Bis(2-ethylhexyl)phthalate
Concen: 44.229 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:149 Resp: 371434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.9 | 21.4 | 32.0 |
| 279 | 4.1 | 3.1 | 4.7 |



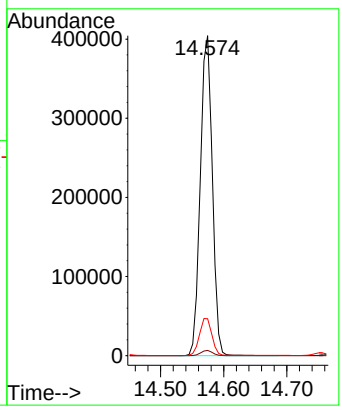


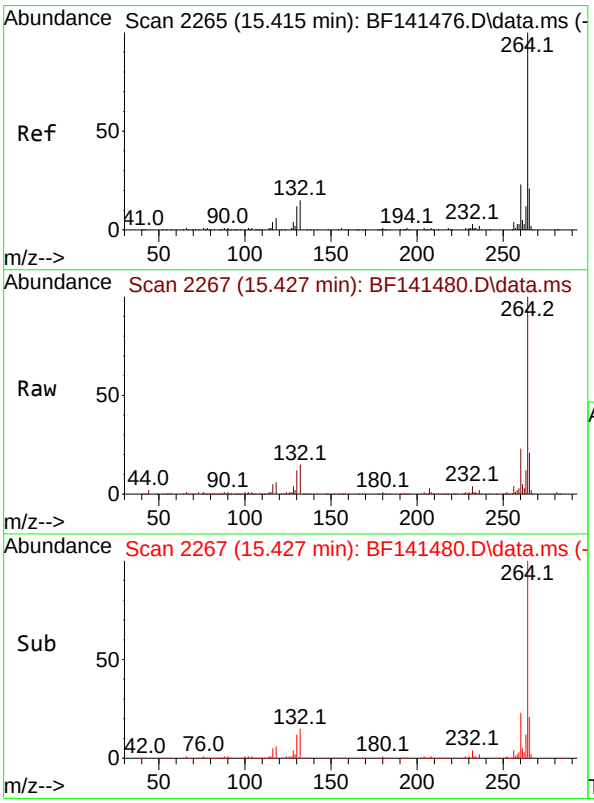

#85
Di-n-octyl phthalate
Concen: 44.652 ng
RT: 14.574 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:149 Resp: 534947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 11.9 | 9.5 | 14.3 |

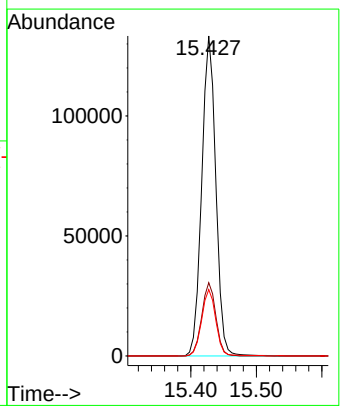


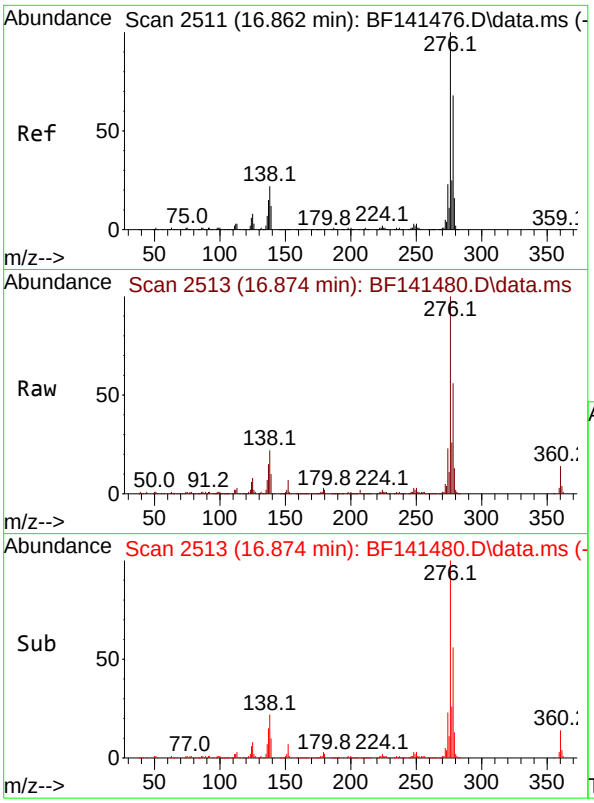




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:264 Resp: 199389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.9 | 18.6 | 28.0 |
| 265 | 20.8 | 17.0 | 25.4 |



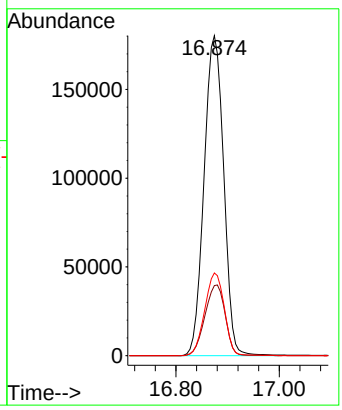


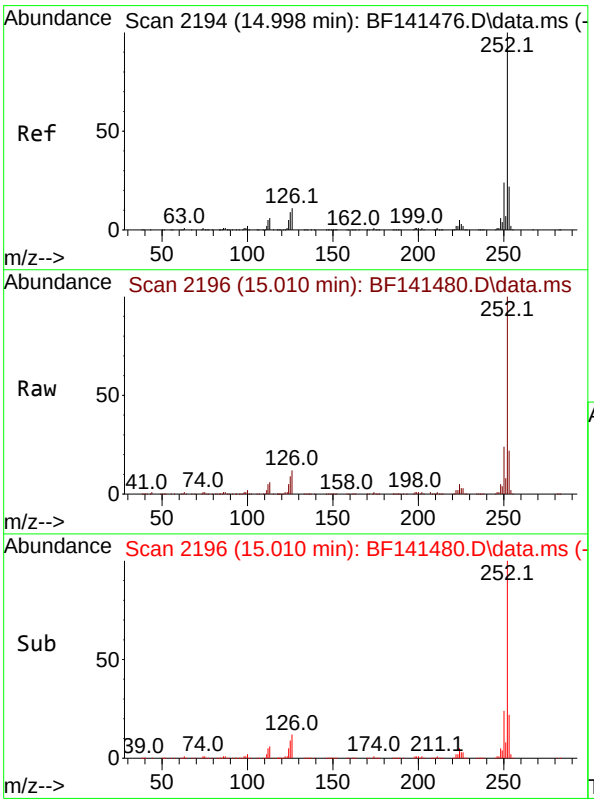

#87
Indeno(1,2,3-cd)pyrene
Concen: 38.551 ng
RT: 16.874 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:276 Resp: 474949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.8 | 18.0 | 27.0 |
| 277 | 25.8 | 20.4 | 30.6 |

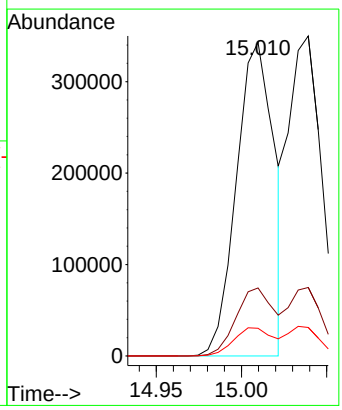


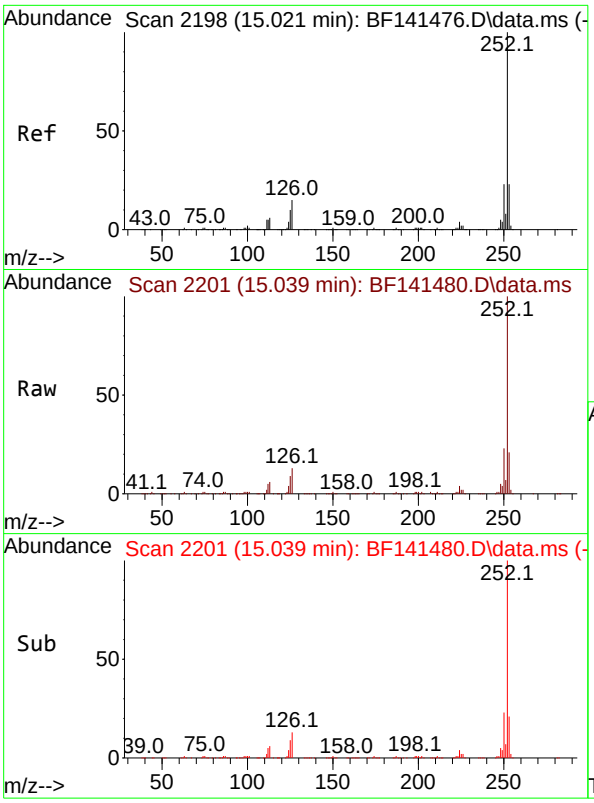




#88
Benzo(b)fluoranthene
Concen: 39.352 ng
RT: 15.010 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:252 Resp: 526847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.5 | 26.3 |
| 125 | 8.8 | 7.0 | 10.6 |



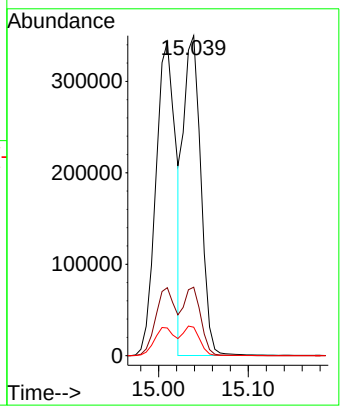


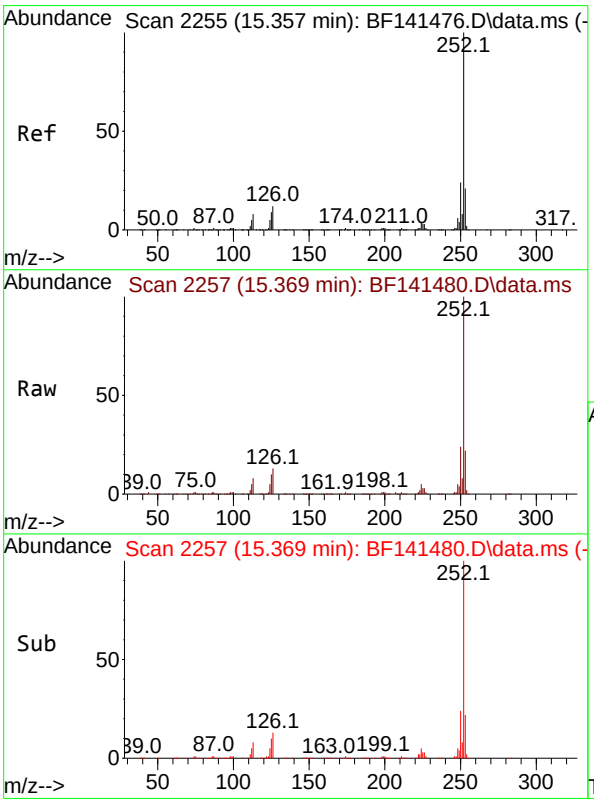

#89
Benzo(k)fluoranthene
Concen: 41.182 ng
RT: 15.039 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:252 Resp: 470794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 18.0 | 27.0 |
| 125 | 8.9 | 7.4 | 11.0 |

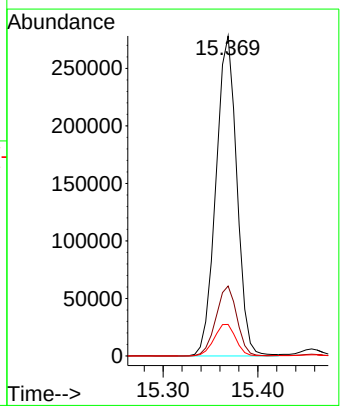


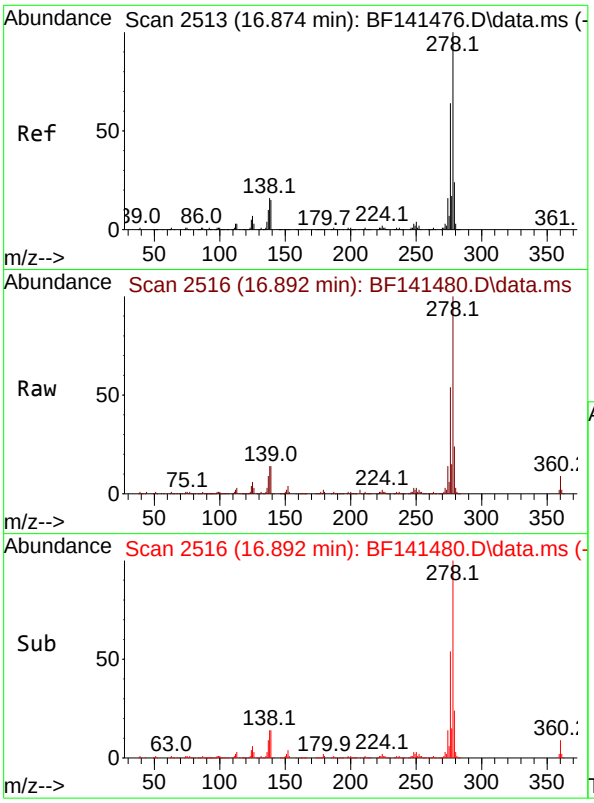




#90
Benzo(a)pyrene
Concen: 39.459 ng
RT: 15.369 min Scan# 2257
Delta R.T. 0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:252 Resp: 427462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.1 | 25.7 |
| 125 | 9.9 | 7.4 | 11.2 |



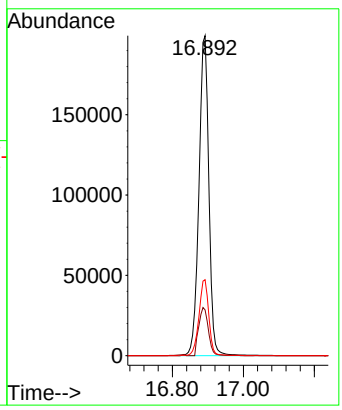


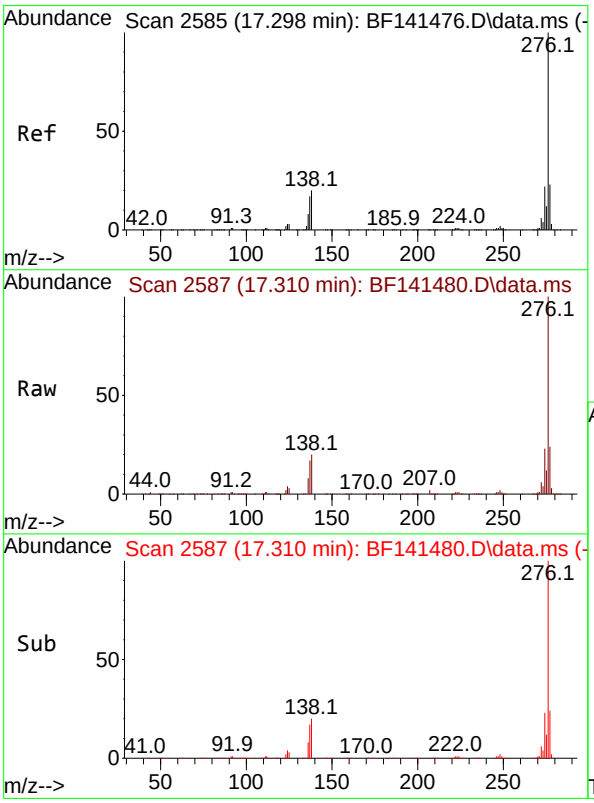

#91
Dibenzo(a,h)anthracene
Concen: 38.870 ng
RT: 16.892 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Tgt Ion:278 Resp: 388028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.3 | 11.8 | 17.6 |
| 279 | 23.7 | 19.1 | 28.7 |

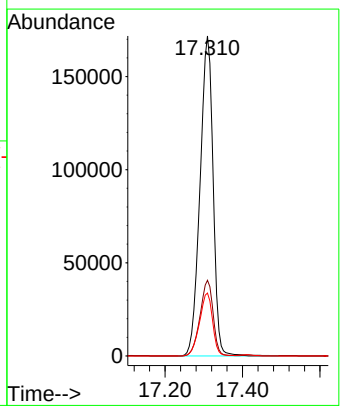



#92
Benzo(g,h,i)perylene
Concen: 38.536 ng
RT: 17.310 min Scan# 2587
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:276 Resp: 402566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 18.6 | 28.0 |
| 138 | 19.7 | 15.9 | 23.9 |



# Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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 | 101 | 0.00 |
| 2 | | 1,4-Dioxane | 0.513 | 0.518 | -1.0 | 101 | 0.00 |
| 3 | | Pyridine | 1.222 | 1.281 | -4.8 | 102 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.809 | 0.842 | -4.1 | 104 | -0.03 |
| 5 | S | 2-Fluorophenol | 1.276 | 1.306 | -2.4 | 102 | 0.00 |
| 6 | | Aniline | 1.513 | 1.582 | -4.6 | 104 | -0.01 |
| 7 | S | Phenol-d6 | 1.612 | 1.630 | -1.1 | 102 | -0.01 |
| 8 | | 2-Chlorophenol | 1.378 | 1.397 | -1.4 | 102 | -0.01 |
| 9 | | Benzaldehyde | 0.857 | 0.859 | -0.2 | 106 | 0.00 |
| 10 | C | Phenol | 1.678 | 1.704 | -1.5 | 102 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.261 | 1.256 | 0.4 | 100 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.455 | 1.467 | -0.8 | 103 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.487 | 1.484 | 0.2 | 102 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.380 | 1.392 | -0.9 | 102 | 0.00 |
| 15 | | Benzyl Alcohol | 1.236 | 1.269 | -2.7 | 102 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.158 | 2.187 | -1.3 | 102 | 0.00 |
| 17 | | 2-Methylphenol | 1.079 | 1.099 | -1.9 | 103 | 0.00 |
| 18 | | Hexachloroethane | 0.550 | 0.565 | -2.7 | 103 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.964 | 0.966 | -0.2 | 101 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.371 | 1.373 | -0.1 | 101 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 22 | | Acetophenone | 0.498 | 0.488 | 2.0 | 102 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.383 | 0.376 | 1.8 | 101 | 0.00 |
| 24 | | Nitrobenzene | 0.374 | 0.369 | 1.3 | 102 | 0.00 |
| 25 | | Isophorone | 0.611 | 0.608 | 0.5 | 103 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.186 | 0.188 | -1.1 | 101 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.217 | 0.217 | 0.0 | 100 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.392 | 0.390 | 0.5 | 102 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.294 | 0.292 | 0.7 | 102 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.320 | 0.314 | 1.9 | 102 | 0.00 |
| 31 | | Naphthalene | 1.041 | 1.023 | 1.7 | 102 | 0.00 |
| 32 | | Benzoic acid | 0.226 | 0.228 | -0.9 | 102 | -0.04 |
| 33 | | 4-Chloroaniline | 0.363 | 0.370 | -1.9 | 105 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.192 | 0.193 | -0.5 | 103 | 0.00 |
| 35 | | Caprolactam | 0.089 | 0.092 | -3.4 | 102 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 0.325 | 0.325 | 0.0 | 102 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.677 | 0.656 | 3.1 | 101 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.656 | 0.641 | 2.3 | 101 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.579 | 0.581 | -0.3 | 102 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.192 | 0.186 | 3.1 | 94 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.201 | 0.200 | 0.5 | 102 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.374 | 0.373 | 0.3 | 101 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.405 | 0.406 | -0.2 | 101 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.298 | 1.278 | 1.5 | 103 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.551 | 1.532 | 1.2 | 102 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.147 | 1.131 | 1.4 | 102 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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 | 0.385 | 0.389 | -1.0 | 102 | 0.00 |
| 49 | | Acenaphthylene | 1.705 | 1.694 | 0.6 | 102 | 0.00 |
| 50 | | Dimethylphthalate | 1.358 | 1.340 | 1.3 | 102 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.297 | 0.297 | 0.0 | 101 | 0.00 |
| 52 | C | Acenaphthene | 1.147 | 1.143 | 0.3 | 102 | 0.00 |
| 53 | | 3-Nitroaniline | 0.319 | 0.323 | -1.3 | 104 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.176 | 0.188 | -6.8 | 109 | -0.01 |
| 55 | | Dibenzofuran | 1.683 | 1.677 | 0.4 | 103 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.237 | 0.250 | -5.5 | 103 | -0.01 |
| 57 | | 2,4-Dinitrotoluene | 0.395 | 0.401 | -1.5 | 103 | 0.00 |
| 58 | | Fluorene | 1.301 | 1.285 | 1.2 | 102 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.349 | 0.353 | -1.1 | 104 | 0.00 |
| 60 | | Diethylphthalate | 1.336 | 1.318 | 1.3 | 101 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.626 | 0.615 | 1.8 | 101 | 0.00 |
| 62 | | 4-Nitroaniline | 0.324 | 0.333 | -2.8 | 102 | -0.02 |
| 63 | | Azobenzene | 1.328 | 1.320 | 0.6 | 102 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.139 | 0.147 | -5.8 | 104 | -0.01 |
| 66 | c | n-Nitrosodiphenylamine | 0.640 | 0.641 | -0.2 | 102 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.224 | 0.228 | -1.8 | 104 | 0.00 |
| 68 | | Hexachlorobenzene | 0.230 | 0.231 | -0.4 | 102 | 0.00 |
| 69 | | Atrazine | 0.192 | 0.189 | 1.6 | 102 | 0.00 |
| 70 | C | Pentachlorophenol | 0.147 | 0.156 | -6.1 | 102 | 0.00 |
| 71 | | Phenanthrene | 1.101 | 1.104 | -0.3 | 102 | 0.00 |
| 72 | | Anthracene | 1.107 | 1.117 | -0.9 | 103 | 0.00 |
| 73 | | Carbazole | 0.996 | 1.002 | -0.6 | 102 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.150 | 1.177 | -2.3 | 103 | 0.00 |
| 75 | C | Fluoranthene | 1.167 | 1.197 | -2.6 | 104 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 112 | 0.00 |
| 77 | | Benzidine | 0.441 | 0.419 | 5.0 | 89 | 0.00 |
| 78 | | Pyrene | 1.703 | 1.608 | 5.6 | 103 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.185 | 1.122 | 5.3 | 105 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.590 | 0.616 | -4.4 | 113 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.329 | 1.263 | 5.0 | 105 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.381 | 0.368 | 3.4 | 109 | 0.00 |
| 83 | | Chrysene | 1.228 | 1.208 | 1.6 | 113 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.665 | 0.735 | -10.5 | 120 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 0.949 | 1.059 | -11.6 | 123 | 0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 109 | 0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.236 | 1.191 | 3.6 | 101 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.343 | 1.321 | 1.6 | 108 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.147 | 1.181 | -3.0 | 113 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.087 | 1.072 | 1.4 | 108 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.001 | 0.973 | 2.8 | 101 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.048 | 1.009 | 3.7 | 100 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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 | 101 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 40.369 | -0.9 | 101 | 0.00 |
| 3 | | Pyridine | 40.000 | 41.938 | -4.8 | 102 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.653 | -4.1 | 104 | -0.03 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.894 | -2.4 | 102 | 0.00 |
| 6 | | Aniline | 40.000 | 41.834 | -4.6 | 104 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 80.878 | -1.1 | 102 | -0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 40.527 | -1.3 | 102 | -0.01 |
| 9 | | Benzaldehyde | 40.000 | 40.105 | -0.3 | 106 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.615 | -1.5 | 102 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.866 | 0.3 | 100 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.317 | -0.8 | 103 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.911 | 0.2 | 102 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.354 | -0.9 | 102 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 41.041 | -2.6 | 102 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.535 | -1.3 | 102 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.768 | -1.9 | 103 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 41.061 | -2.7 | 103 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.048 | -0.1 | 101 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.073 | -0.2 | 101 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 103 | 0.00 |
| 22 | | Acetophenone | 40.000 | 39.246 | 1.9 | 102 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.369 | 2.0 | 101 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.429 | 1.4 | 102 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.767 | 0.6 | 103 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.413 | -1.0 | 101 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.924 | 0.2 | 100 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.822 | 0.4 | 102 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.818 | 0.5 | 102 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.237 | 1.9 | 102 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.287 | 1.8 | 102 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 40.324 | -0.8 | 102 | -0.04 |
| 33 | | 4-Chloroaniline | 40.000 | 40.680 | -1.7 | 105 | -0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.144 | -0.4 | 103 | 0.00 |
| 35 | | Caprolactam | 40.000 | 41.104 | -2.8 | 102 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.006 | -0.0 | 102 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.710 | 3.2 | 101 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.049 | 2.4 | 101 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 102 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.182 | -0.5 | 102 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 38.754 | 3.1 | 94 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 79.490 | 0.6 | 102 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.914 | 0.2 | 101 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.108 | -0.3 | 101 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 78.786 | 1.5 | 103 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.519 | 1.2 | 102 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.453 | 1.4 | 102 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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 | 40.451 | -1.1 | 102 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.734 | 0.7 | 102 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.488 | 1.3 | 102 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 39.965 | 0.1 | 101 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.893 | 0.3 | 102 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 40.463 | -1.2 | 104 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 42.639 | -6.6 | 109 | -0.01 |
| 55 | | Dibenzofuran | 40.000 | 39.860 | 0.4 | 103 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 42.166 | -5.4 | 103 | -0.01 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 40.633 | -1.6 | 103 | 0.00 |
| 58 | | Fluorene | 40.000 | 39.501 | 1.2 | 102 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.438 | -1.1 | 104 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 39.467 | 1.3 | 101 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.318 | 1.7 | 101 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 41.124 | -2.8 | 102 | -0.02 |
| 63 | | Azobenzene | 40.000 | 39.759 | 0.6 | 102 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 100 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 42.230 | -5.6 | 104 | -0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.040 | -0.1 | 102 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 40.864 | -2.2 | 104 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 40.208 | -0.5 | 102 | 0.00 |
| 69 | | Atrazine | 40.000 | 39.358 | 1.6 | 102 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 42.476 | -6.2 | 102 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 40.114 | -0.3 | 102 | 0.00 |
| 72 | | Anthracene | 40.000 | 40.362 | -0.9 | 103 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.267 | -0.7 | 102 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.953 | -2.4 | 103 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 41.011 | -2.5 | 104 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 112 | 0.00 |
| 77 | | Benzidine | 40.000 | 38.017 | 5.0 | 89 | 0.00 |
| 78 | | Pyrene | 40.000 | 37.784 | 5.5 | 103 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 75.750 | 5.3 | 105 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 41.781 | -4.5 | 113 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 38.009 | 5.0 | 105 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 38.608 | 3.5 | 109 | 0.00 |
| 83 | | Chrysene | 40.000 | 39.361 | 1.6 | 113 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 44.229 | -10.6 | 120 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 44.652 | -11.6 | 123 | 0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 109 | 0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.551 | 3.6 | 101 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 39.352 | 1.6 | 108 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 41.182 | -3.0 | 113 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 39.459 | 1.4 | 108 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 38.870 | 2.8 | 101 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 38.536 | 3.7 | 100 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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: **BF141373.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date/Time: 02/03/2025 17:14

Lab File ID: BF141373.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.303 | 1.302 | | -0.1 | |
| Benzaldehyde | 0.960 | 1.038 | | 8.1 | |
| Phenol-d6 | 1.657 | 1.598 | | -3.6 | |
| Phenol | 1.757 | 1.694 | | -3.6 | 20.0 |
| bis(2-Chloroethyl)ether | 1.347 | 1.310 | | -2.7 | |
| 2-Chlorophenol | 1.396 | 1.391 | | -0.4 | |
| 2-Methylphenol | 1.135 | 1.109 | | -2.3 | |
| 2,2-oxybis(1-Chloropropane) | 2.342 | 2.192 | | -6.4 | |
| Acetophenone | 0.475 | 0.486 | | 2.3 | |
| 3+4-Methylphenols | 1.393 | 1.420 | | 1.9 | |
| n-Nitroso-di-n-propylamine | 0.985 | 0.981 | 0.050 | -0.4 | |
| Nitrobenzene-d5 | 0.379 | 0.382 | | 0.8 | |
| Hexachloroethane | 0.571 | 0.590 | | 3.3 | |
| Nitrobenzene | 0.393 | 0.389 | | -1.0 | |
| Isophorone | 0.656 | 0.653 | | -0.5 | |
| 2-Nitrophenol | 0.185 | 0.188 | | 1.6 | 20.0 |
| 2,4-Dimethylphenol | 0.236 | 0.237 | | 0.4 | |
| bis(2-Chloroethoxy)methane | 0.418 | 0.408 | | -2.4 | |
| 2,4-Dichlorophenol | 0.289 | 0.293 | | 1.4 | 20.0 |
| Naphthalene | 1.057 | 1.046 | | -1.0 | |
| 4-Chloroaniline | 0.358 | 0.293 | | -18.2 | |
| Hexachlorobutadiene | 0.194 | 0.204 | | 5.2 | 20.0 |
| Caprolactam | 0.094 | 0.096 | | 2.1 | |
| 4-Chloro-3-methylphenol | 0.310 | 0.318 | | 2.6 | 20.0 |
| 2-Methylnaphthalene | 0.672 | 0.672 | | 0.0 | |
| Hexachlorocyclopentadiene | 0.168 | 0.186 | 0.050 | 10.7 | |
| 2,4,6-Trichlorophenol | 0.372 | 0.380 | | 2.2 | 20.0 |
| 2-Fluorobiphenyl | 1.299 | 1.292 | | -0.5 | |
| 2,4,5-Trichlorophenol | 0.405 | 0.413 | | 2.0 | |
| 1,1-Biphenyl | 1.560 | 1.536 | | -1.5 | |
| 2-Chloronaphthalene | 1.216 | 1.196 | | -1.6 | |
| 2-Nitroaniline | 0.382 | 0.388 | | 1.6 | |
| Dimethylphthalate | 1.351 | 1.357 | | 0.4 | |
| Acenaphthylene | 1.702 | 1.683 | | -1.1 | |
| 2,6-Dinitrotoluene | 0.314 | 0.315 | | 0.3 | |
| 3-Nitroaniline | 0.307 | 0.310 | | 1.0 | |
| Acenaphthene | 1.216 | 1.226 | | 0.8 | 20.0 |
| 2,4-Dinitrophenol | 0.146 | 0.170 | 0.050 | 16.4 | |
| 4-Nitrophenol | 0.225 | 0.235 | 0.050 | 4.4 | |

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date/Time: 02/03/2025 17:14

Lab File ID: BF141373.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dibenzofuran | 1.627 | 1.608 | | -1.2 | |
| 2,4-Dinitrotoluene | 0.406 | 0.423 | | 4.2 | |
| Diethylphthalate | 1.310 | 1.346 | | 2.7 | |
| 4-Chlorophenyl-phenylether | 0.617 | 0.621 | | 0.6 | |
| Fluorene | 1.262 | 1.286 | | 1.9 | |
| 4-Nitroaniline | 0.302 | 0.327 | | 8.3 | |
| 4,6-Dinitro-2-methylphenol | 0.118 | 0.140 | | 18.6 | |
| n-Nitrosodiphenylamine | 0.647 | 0.642 | | -0.8 | 20.0 |
| 2,4,6-Tribromophenol | 0.183 | 0.194 | | 6.0 | |
| 4-Bromophenyl-phenylether | 0.224 | 0.234 | | 4.5 | |
| Hexachlorobenzene | 0.238 | 0.244 | | 2.5 | |
| Atrazine | 0.216 | 0.216 | | 0.0 | |
| Pentachlorophenol | 0.139 | 0.157 | | 12.9 | 20.0 |
| Phenanthrene | 1.075 | 1.095 | | 1.9 | |
| Anthracene | 1.053 | 1.082 | | 2.8 | |
| Carbazole | 0.934 | 0.977 | | 4.6 | |
| Di-n-butylphthalate | 1.132 | 1.197 | | 5.7 | |
| Fluoranthene | 1.062 | 1.123 | | 5.7 | 20.0 |
| Pyrene | 1.920 | 1.838 | | -4.3 | |
| Terphenyl-d14 | 1.297 | 1.274 | | -1.8 | |
| Butylbenzylphthalate | 0.671 | 0.703 | | 4.8 | |
| 3,3-Dichlorobenzidine | 0.439 | 0.424 | | -3.4 | |
| Benzo(a)anthracene | 1.380 | 1.292 | | -6.4 | |
| Chrysene | 1.265 | 1.240 | | -2.0 | |
| Bis(2-ethylhexyl)phthalate | 0.851 | 0.932 | | 9.5 | |
| Di-n-octyl phthalate | 1.321 | 1.473 | | 11.5 | 20.0 |
| Benzo(b)fluoranthene | 1.258 | 1.234 | | -1.9 | |
| Benzo(k)fluoranthene | 1.114 | 1.155 | | 3.7 | |
| Benzo(a)pyrene | 1.063 | 1.088 | | 2.4 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.291 | 1.353 | | 4.8 | |
| Dibenzo(a,h)anthracene | 1.039 | 1.102 | | 6.1 | |
| Benzo(g,h,i)perylene | 1.080 | 1.119 | | 3.6 | |
| 1,2,4,5-Tetrachlorobenzene | 0.569 | 0.571 | | 0.4 | |
| 1,4-Dioxane | 0.573 | 0.582 | | 1.6 | 20.0 |
| 2,3,4,6-Tetrachlorophenol | 0.319 | 0.336 | | 5.3 | |

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF141373.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.798 | 152 | 104167 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.081 | 136 | 414412 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.833 | 164 | 226326 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.322 | 188 | 383558 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.963 | 240 | 233911 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 15.415 | 264 | 231577 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.410 | 112 | 542601 | 79.968 | ng | | 0.00 |
| 7) Phenol-d6 | 6.439 | 99 | 665791 | 77.133 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.363 | 82 | 632818 | 80.499 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.627 | 330 | 175756 | 84.706 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.157 | 172 | 1169231 | 79.517 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.910 | 244 | 1192221 | 78.604 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.475 | 88 | 121152 | 40.599 | ng | | 100 |
| 3) Pyridine | 3.210 | 79 | 256725 | 35.706 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.163 | 42 | 171120 | 41.662 | ng | | 93 |
| 6) Aniline | 6.457 | 93 | 214496 | 29.356 | ng | # | 6 |
| 8) 2-Chlorophenol | 6.587 | 128 | 289746 | 39.841 | ng | | 97 |
| 9) Benzaldehyde | 6.345 | 77 | 216223 | 43.247 | ng | | 99 |
| 10) Phenol | 6.451 | 94 | 352818 | 38.559 | ng | | 79 |
| 11) bis(2-Chloroethyl)ether | 6.534 | 93 | 272822 | 38.887 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.734 | 146 | 319939 | 39.899 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.816 | 146 | 327100 | 40.605 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.969 | 146 | 306404 | 40.620 | ng | | 99 |
| 15) Benzyl Alcohol | 6.939 | 79 | 249700 | 42.330 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075 | 45 | 456565 | 37.424 | ng | | 76 |
| 17) 2-Methylphenol | 7.063 | 107 | 231097 | 39.098 | ng | # | 91 |
| 18) Hexachloroethane | 7.310 | 117 | 122966 | 41.378 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.210 | 70 | 204348 | 39.842 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.210 | 107 | 295742 | 40.751 | ng | | 96 |
| 22) Acetophenone | 7.204 | 105 | 403113 | 40.923 | ng | # | 97 |
| 24) Nitrobenzene | 7.381 | 77 | 322702 | 39.612 | ng | | 98 |
| 25) Isophorone | 7.616 | 82 | 541055 | 39.816 | ng | | 99 |
| 26) 2-Nitrophenol | 7.692 | 139 | 155896 | 40.576 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.739 | 122 | 196433m | 40.168 | ng | | |
| 28) bis(2-Chloroethoxy)met... | 7.828 | 93 | 338131 | 39.010 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.945 | 162 | 242512 | 40.508 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.022 | 180 | 271821 | 39.757 | ng | | 100 |
| 31) Naphthalene | 8.098 | 128 | 867292 | 39.616 | ng | | 100 |
| 32) Benzoic acid | 7.857 | 122 | 193009 | 42.934 | ng | | 98 |
| 33) 4-Chloroaniline | 8.151 | 127 | 242580 | 32.676 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.216 | 225 | 168912 | 42.128 | ng | | 99 |
| 35) Caprolactam | 8.516 | 113 | 79702 | 40.764 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.639 | 107 | 263711 | 41.066 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.792 | 142 | 556906 | 40.024 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.886 | 142 | 547195 | 40.034 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.957 | 216 | 258626 | 40.167 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 8.939 | 237 | 83996 | 44.173 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.069 | 196 | 171810 | 40.768 | ng | | 98 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.122 | 196 | 186902 | 40.747 | ng | 100 |
| 46) 1,1'-Biphenyl | 9.257 | 154 | 695314 | 39.393 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.280 | 162 | 541319 | 39.346 | ng | 99 |
| 48) 2-Nitroaniline | 9.375 | 65 | 175746 | 40.613 | ng | 96 |
| 49) Acenaphthylene | 9.692 | 152 | 761884 | 39.561 | ng | 100 |
| 50) Dimethylphthalate | 9.557 | 163 | 614225 | 40.182 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.622 | 165 | 142423 | 40.128 | ng | 100 |
| 52) Acenaphthene | 9.869 | 154 | 554750 | 40.321 | ng | 99 |
| 53) 3-Nitroaniline | 9.786 | 138 | 140545 | 40.403 | ng | 98 |
| 54) 2,4-Dinitrophenol | 9.892 | 184 | 76994 | 46.667 | ng | 91 |
| 55) Dibenzofuran | 10.039 | 168 | 727950 | 39.528 | ng | 98 |
| 56) 4-Nitrophenol | 9.969 | 139 | 106562 | 41.887 | ng | 94 |
| 57) 2,4-Dinitrotoluene | 10.022 | 165 | 191425 | 41.657 | ng | 97 |
| 58) Fluorene | 10.380 | 166 | 581931 | 40.737 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.163 | 232 | 152033 | 42.131 | ng | 98 |
| 60) Diethylphthalate | 10.257 | 149 | 609242 | 41.105 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.375 | 204 | 280983 | 40.268 | ng | 97 |
| 62) 4-Nitroaniline | 10.404 | 138 | 147941 | 43.258 | ng | 96 |
| 63) Azobenzene | 10.533 | 77 | 585808 | 39.486 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.433 | 198 | 107093 | 47.204 | ng | 97 |
| 66) n-Nitrosodiphenylamine | 10.492 | 169 | 492539 | 39.703 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248 | 179324 | 41.761 | ng | 98 |
| 68) Hexachlorobenzene | 10.927 | 284 | 186820 | 41.015 | ng | 98 |
| 69) Atrazine | 11.022 | 200 | 166008 | 40.023 | ng | 99 |
| 70) Pentachlorophenol | 11.127 | 266 | 120209 | 45.068 | ng | 98 |
| 71) Phenanthrene | 11.345 | 178 | 840073 | 40.745 | ng | 100 |
| 72) Anthracene | 11.398 | 178 | 829686 | 41.070 | ng | 100 |
| 73) Carbazole | 11.551 | 167 | 749638 | 41.848 | ng | 99 |
| 74) Di-n-butylphthalate | 11.886 | 149 | 917962 | 42.285 | ng | 100 |
| 75) Fluoranthene | 12.533 | 202 | 861847 | 42.335 | ng | 98 |
| 77) Benzidine | 12.657 | 184 | 219025 | 29.208 | ng | 99 |
| 78) Pyrene | 12.763 | 202 | 860076 | 38.305 | ng | 100 |
| 80) Butylbenzylphthalate | 13.380 | 149 | 328897 | 41.929 | ng | 99 |
| 81) Benzo(a)anthracene | 13.951 | 228 | 604276 | 37.437 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.915 | 252 | 198361 | 38.639 | ng | 99 |
| 83) Chrysene | 13.986 | 228 | 580099 | 39.215 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149 | 436237 | 43.840 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.562 | 149 | 689323 | 44.601 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.862 | 276 | 626825 | 41.938 | ng | 98 |
| 88) Benzo(b)fluoranthene | 14.998 | 252 | 571343 | 39.222 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.027 | 252 | 534749 | 41.439 | ng | 99 |
| 90) Benzo(a)pyrene | 15.357 | 252 | 503731 | 40.922 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.880 | 278 | 510363 | 42.442 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.298 | 276 | 518300 | 41.452 | ng | 98 |

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

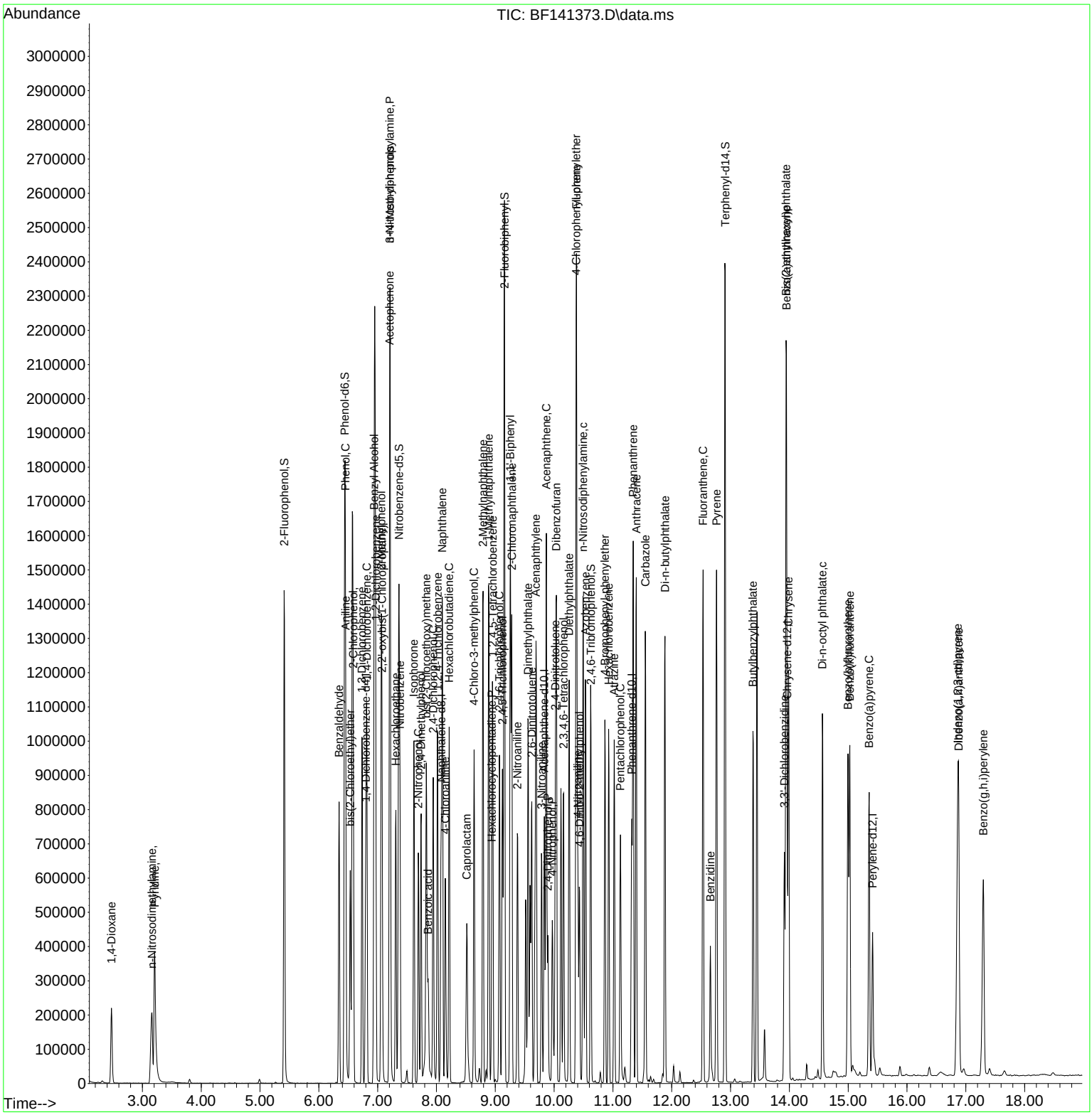
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

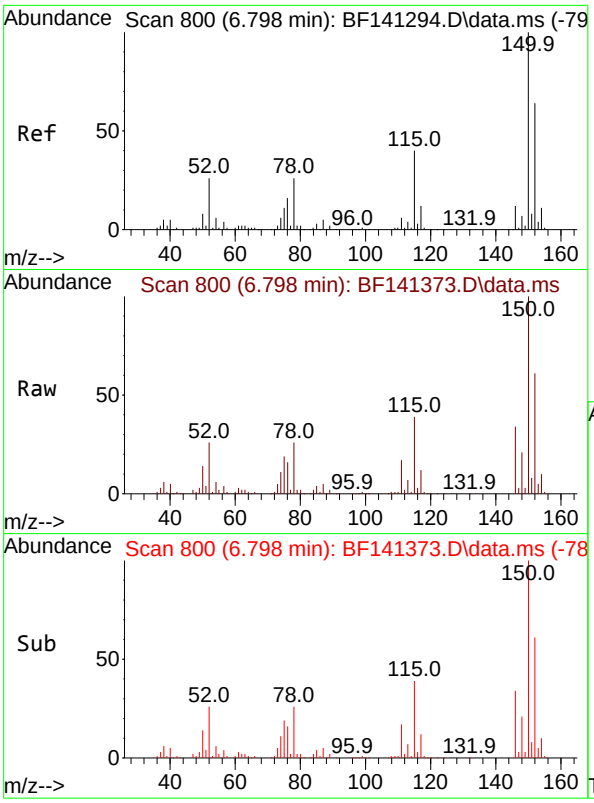
Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

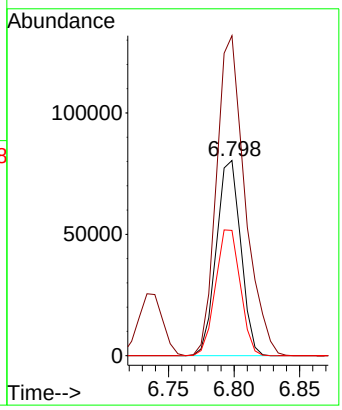





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:152 Resp: 10416

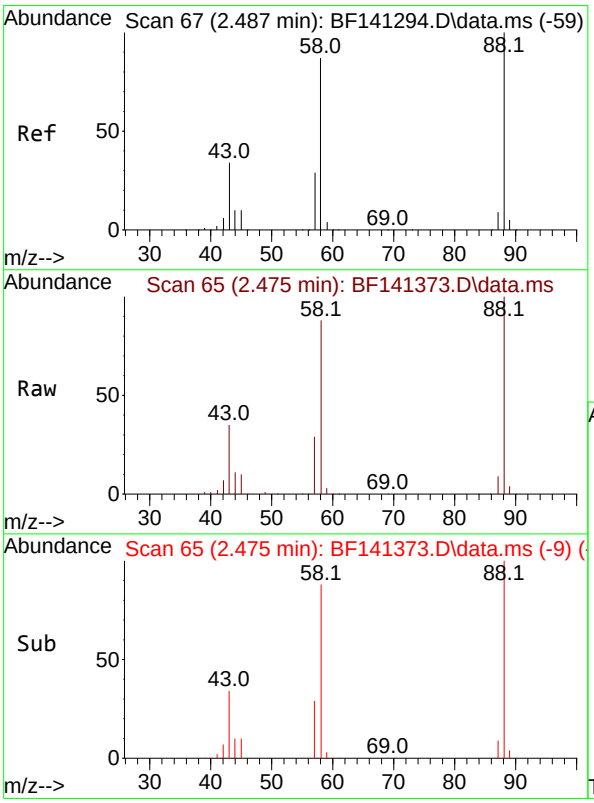
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 163.9 | 125.9 | 188.9 |
| 115 | 64.2 | 49.7 | 74.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

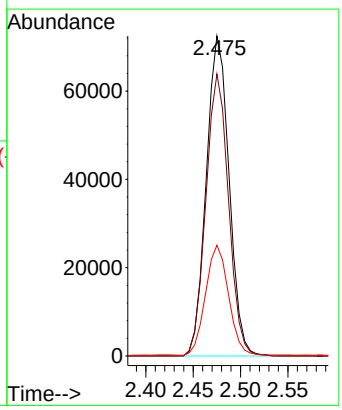
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

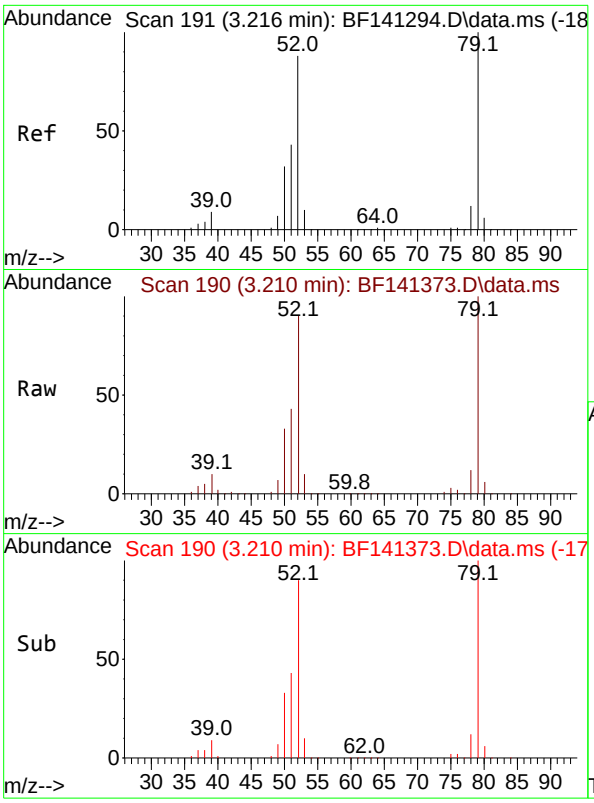



#2
1,4-Dioxane
Concen: 40.599 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.018 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 88 Resp: 121152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 87.5 | 70.2 | 105.4 |
| 43 | 34.6 | 27.6 | 41.4 |

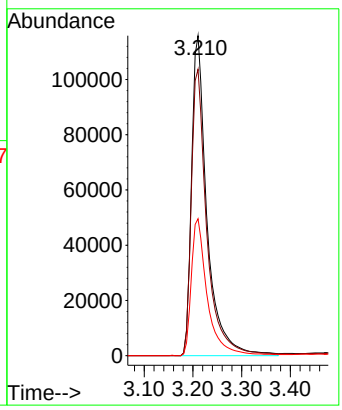





#3
Pyridine
Concen: 35.706 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 79 Resp: 25672

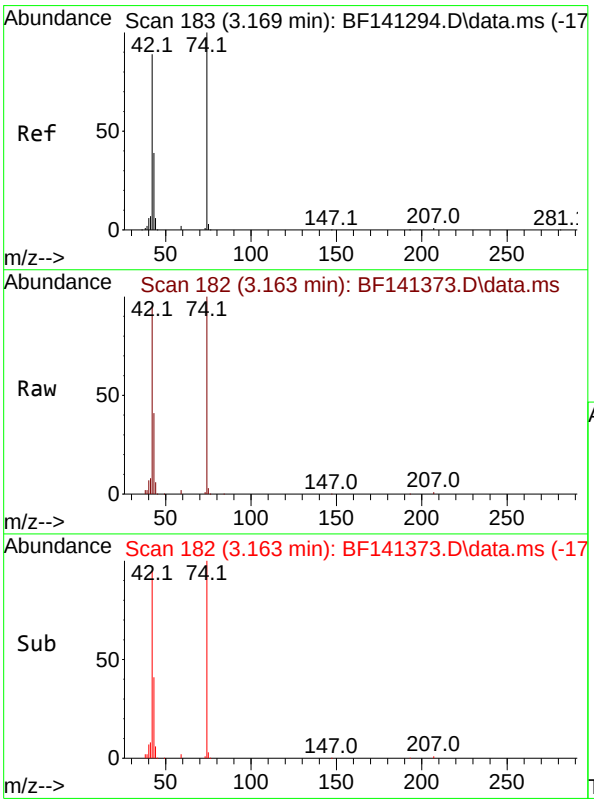
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 89.5 | 70.3 | 105.5 |
| 51 | 42.8 | 34.3 | 51.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

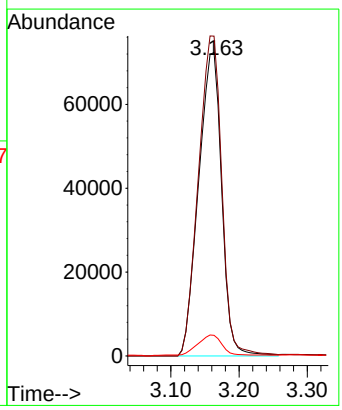
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

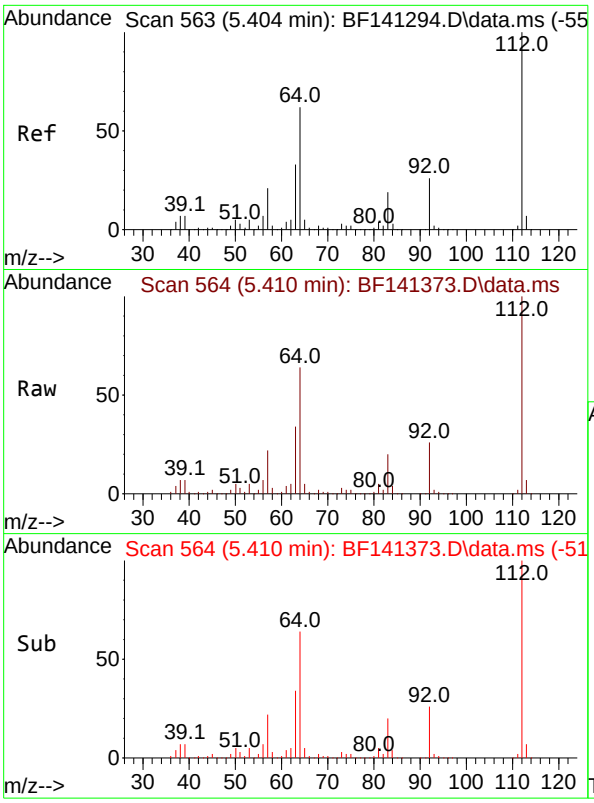



#4
n-Nitrosodimethylamine
Concen: 41.662 ng
RT: 3.163 min Scan# 182
Delta R.T. -0.035 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 42 Resp: 171120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 105.3 | 90.3 | 135.5 |
| 44 | 6.8 | 5.7 | 8.5 |






#5
2-Fluorophenol
Concen: 79.968 ng
RT: 5.410 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

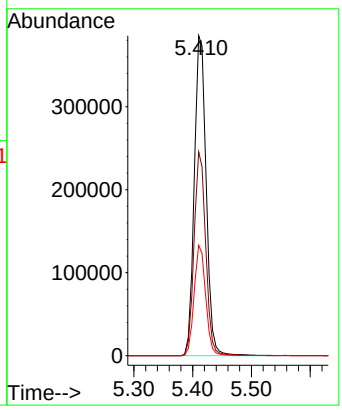
Tgt Ion:112 Resp: 54260

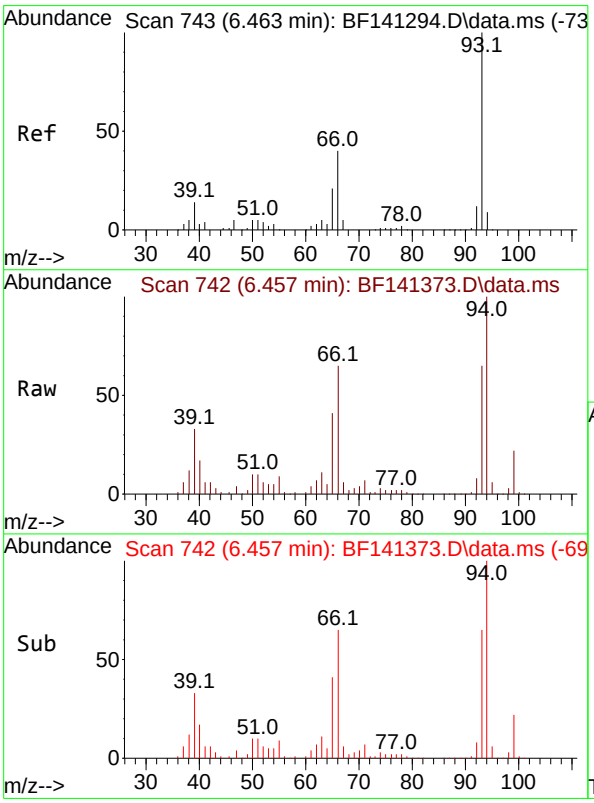
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.7 | 49.8 | 74.8 |
| 63 | 34.5 | 26.1 | 39.1 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

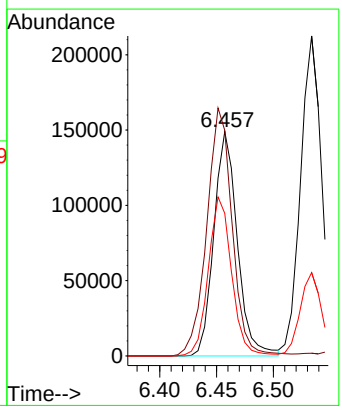


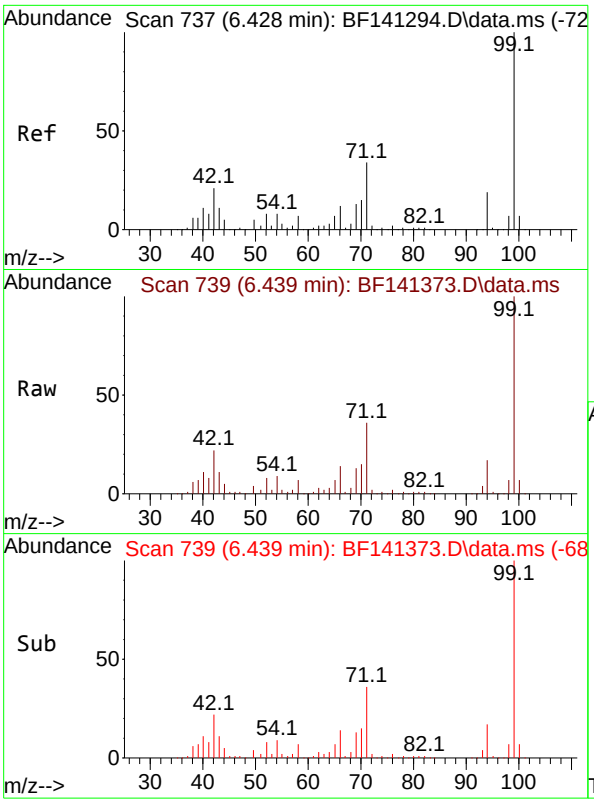




#6
Aniline
Concen: 29.356 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 93 Resp: 214496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 100.5 | 32.5 | 48.7# |
| 65 | 63.5 | 17.0 | 25.6# |

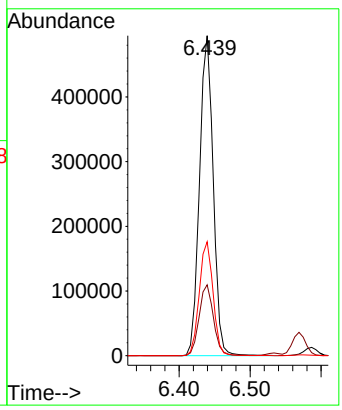





#7
Phenol-d6
Concen: 77.133 ng
RT: 6.439 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 99 Resp: 66579

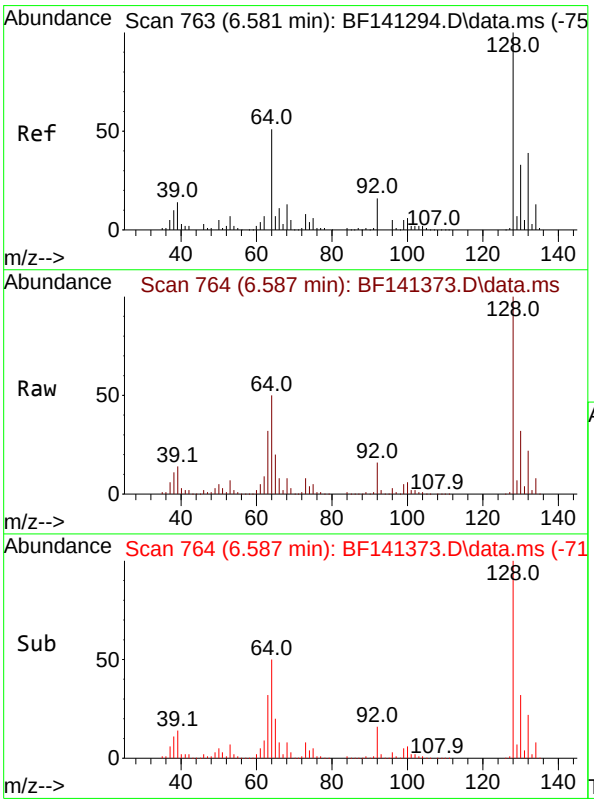
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.1 | 17.1 | 25.7 |
| 71 | 35.6 | 26.9 | 40.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

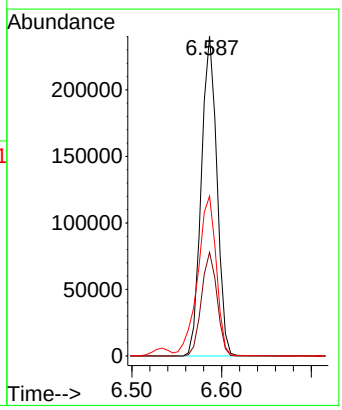
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

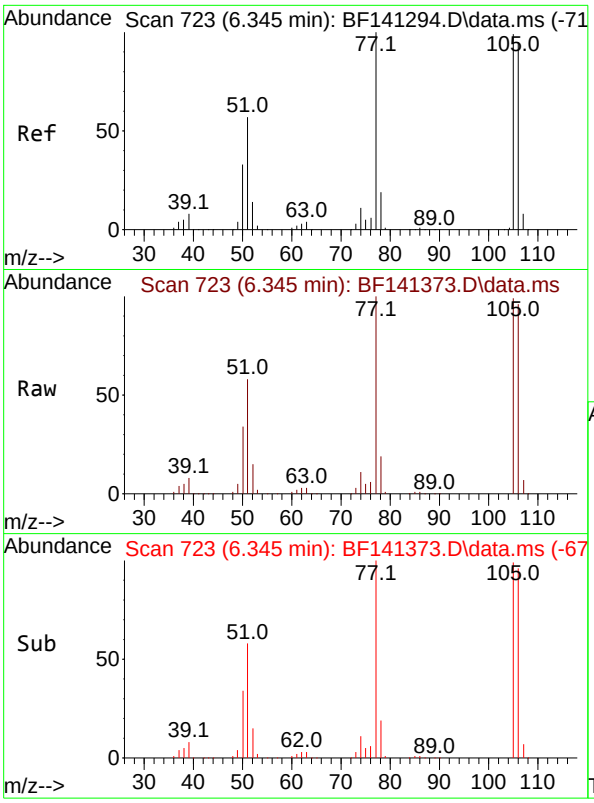



#8
2-Chlorophenol
Concen: 39.841 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:128 Resp: 289746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.4 | 12.5 | 52.5 |
| 64 | 50.0 | 32.9 | 72.9 |

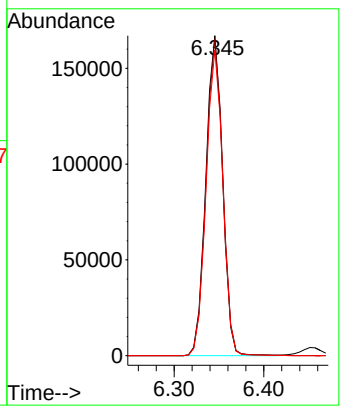





#9
Benzaldehyde
Concen: 43.247 ng
RT: 6.345 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 77 Resp: 21622

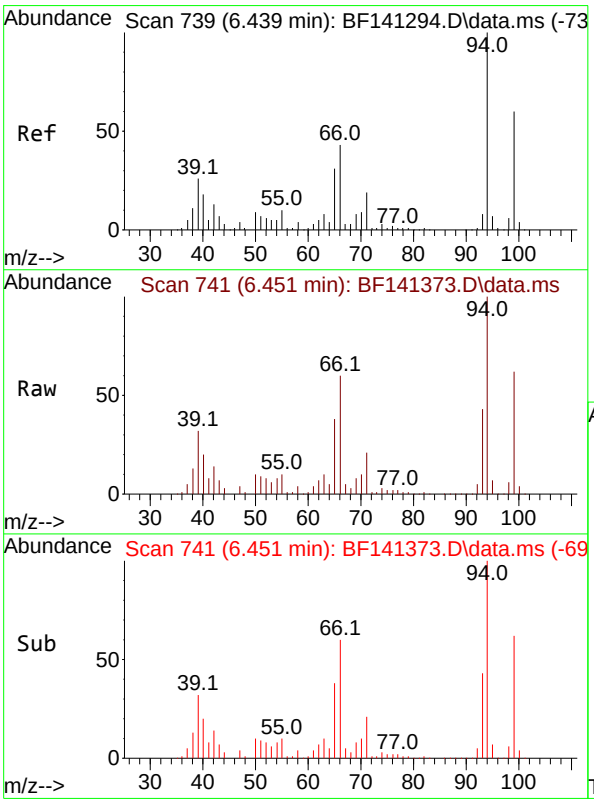
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.0 | 79.4 | 119.4 |
| 106 | 95.5 | 74.6 | 114.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

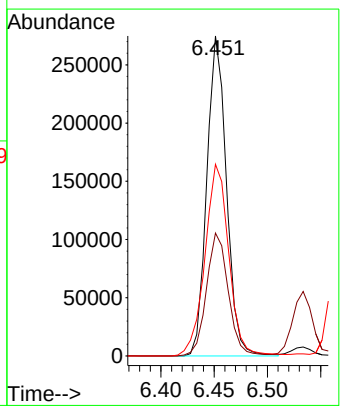
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

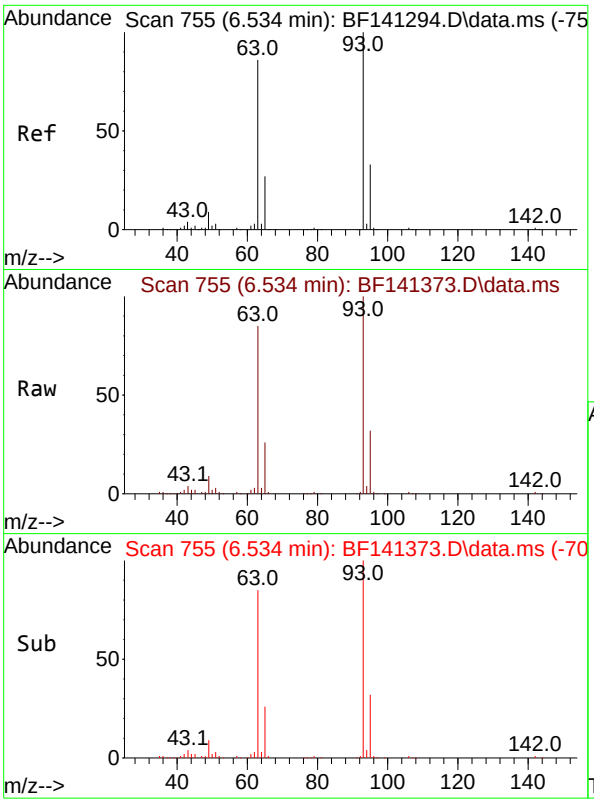



#10
Phenol
Concen: 38.559 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 94 Resp: 352818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 38.4 | 10.8 | 50.8 |
| 66 | 59.9 | 23.3 | 63.3 |






#11
bis(2-Chloroethyl)ether
Concen: 38.887 ng
RT: 6.534 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

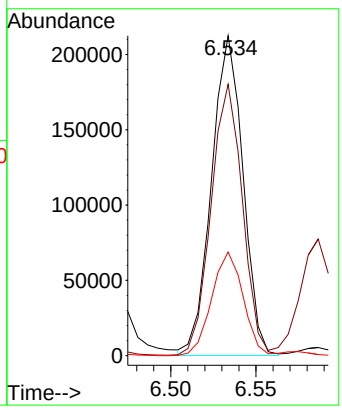
Tgt Ion: 93 Resp: 27282

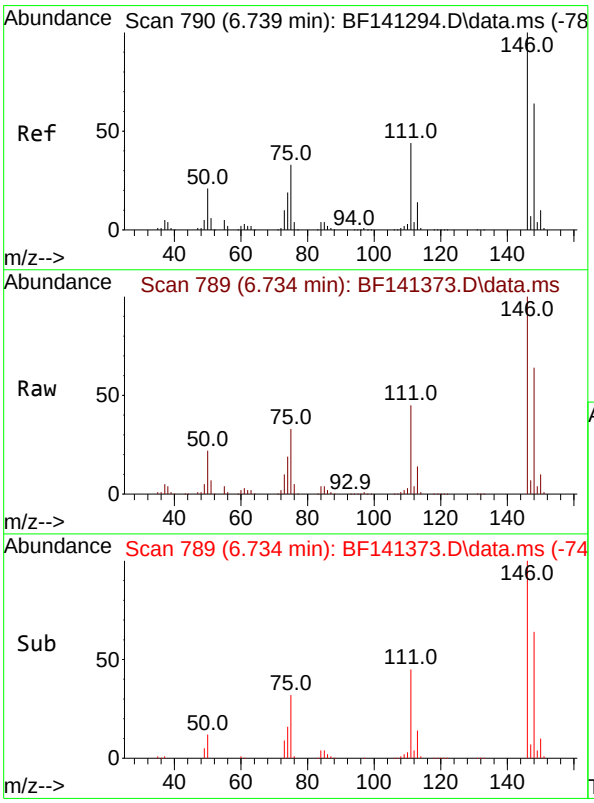
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 84.8 | 65.0 | 105.0 |
| 95 | 32.4 | 12.4 | 52.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

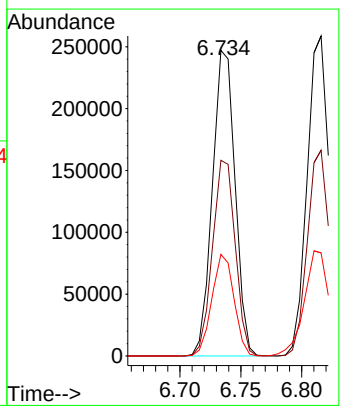


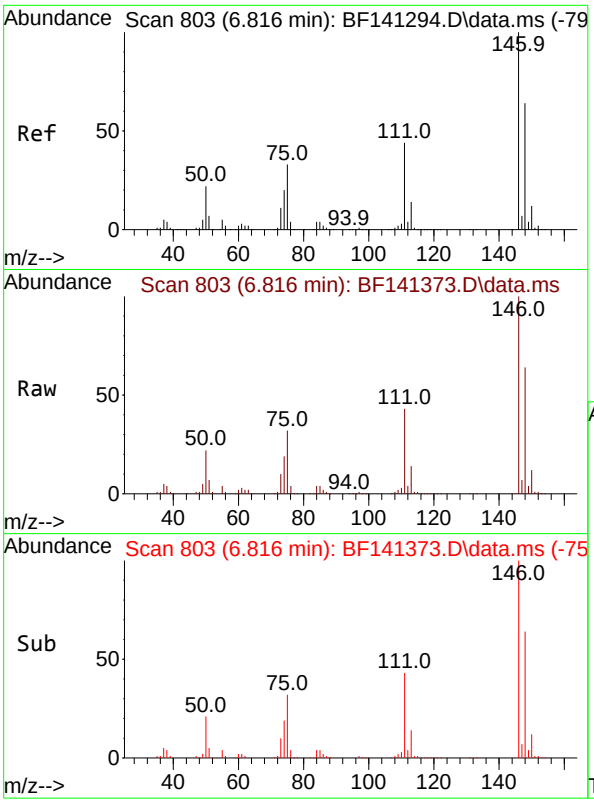




#12
1,3-Dichlorobenzene
Concen: 39.899 ng
RT: 6.734 min Scan# 789
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:146 Resp: 319939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.2 | 76.8 |
| 75 | 33.3 | 26.2 | 39.4 |

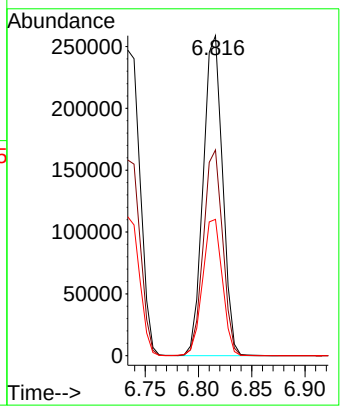





#13
1,4-Dichlorobenzene
Concen: 40.605 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:146 Resp: 32710

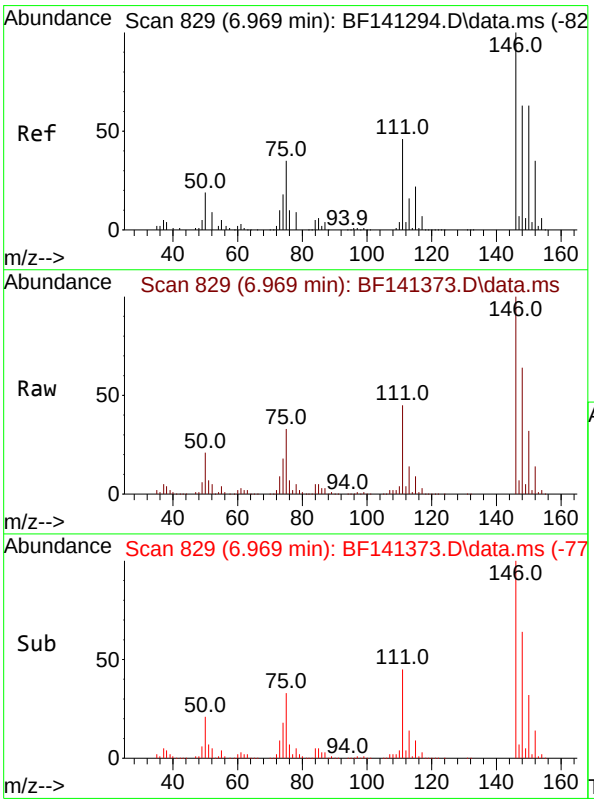
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 51.2 | 76.8 |
| 111 | 42.6 | 35.0 | 52.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

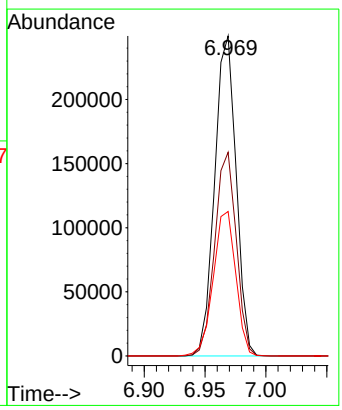
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

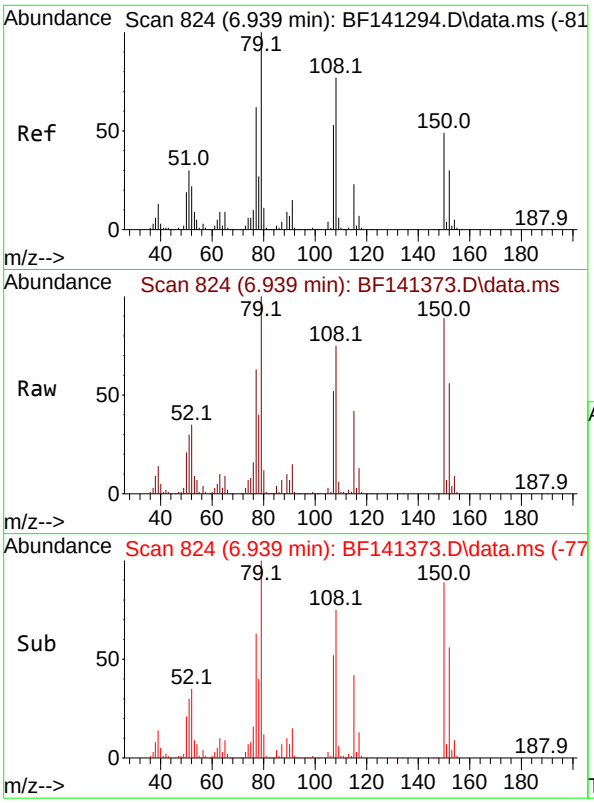



#14
1,2-Dichlorobenzene
Concen: 40.620 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:146 Resp: 306404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 50.5 | 75.7 |
| 111 | 45.2 | 36.6 | 55.0 |

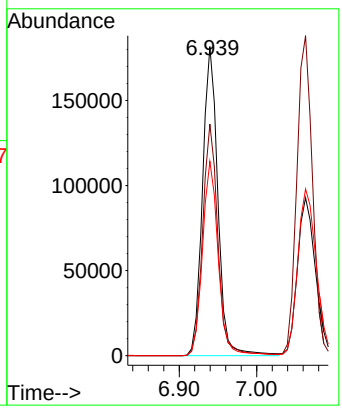





#15
Benzyl Alcohol
Concen: 42.330 ng
RT: 6.939 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 79 Resp: 24970

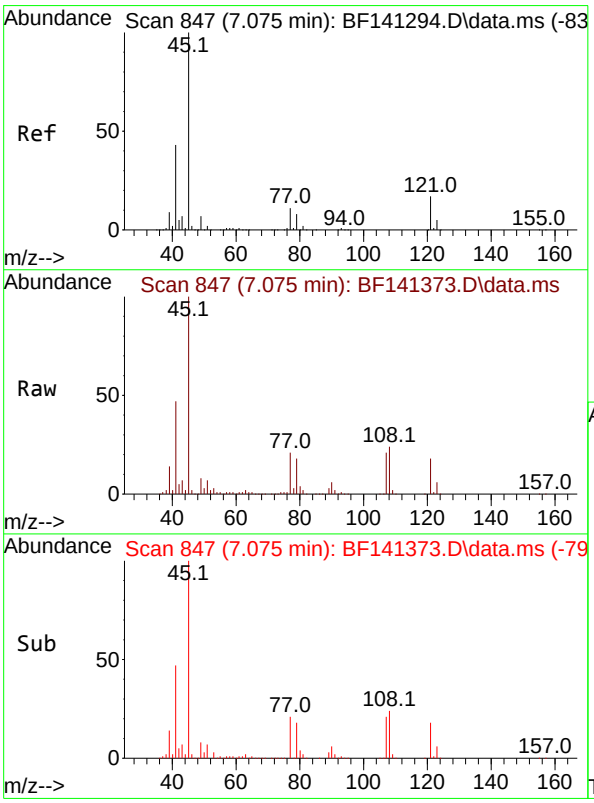
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 74.9 | 61.4 | 92.0 |
| 77 | 62.9 | 49.9 | 74.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

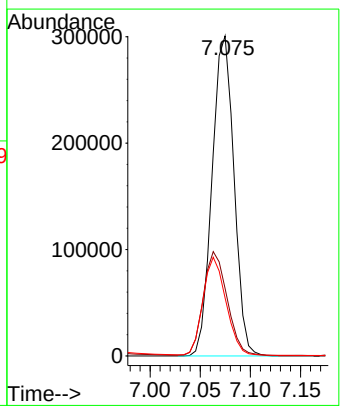
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

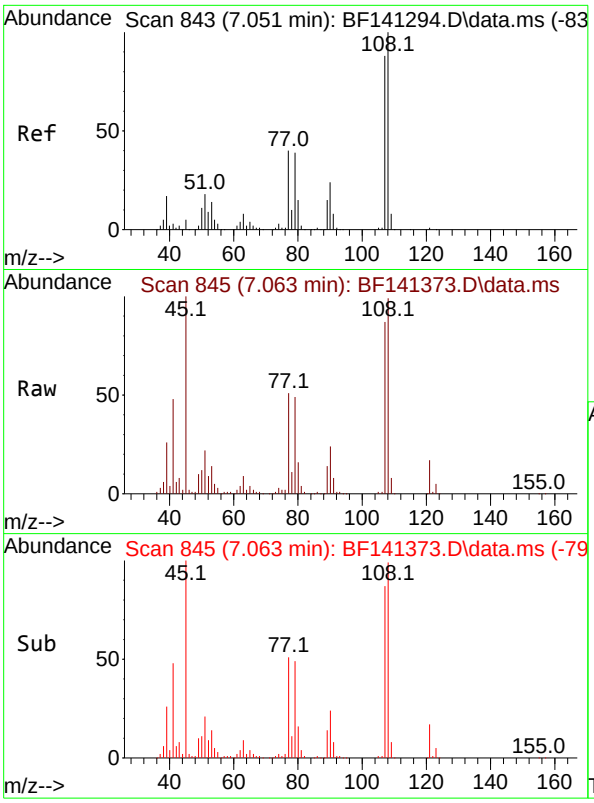



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.424 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 45 Resp: 456565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 21.1 | 0.0 | 31.8 |
| 79 | 18.1 | 0.0 | 29.1 |

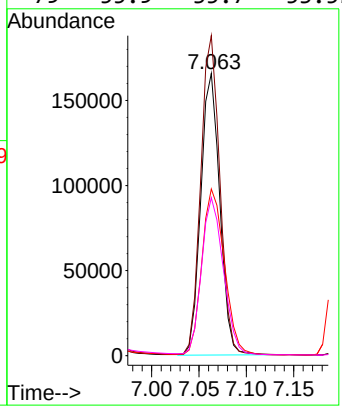





#17
2-Methylphenol
Concen: 39.098 ng
RT: 7.063 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:107 Resp: 23109

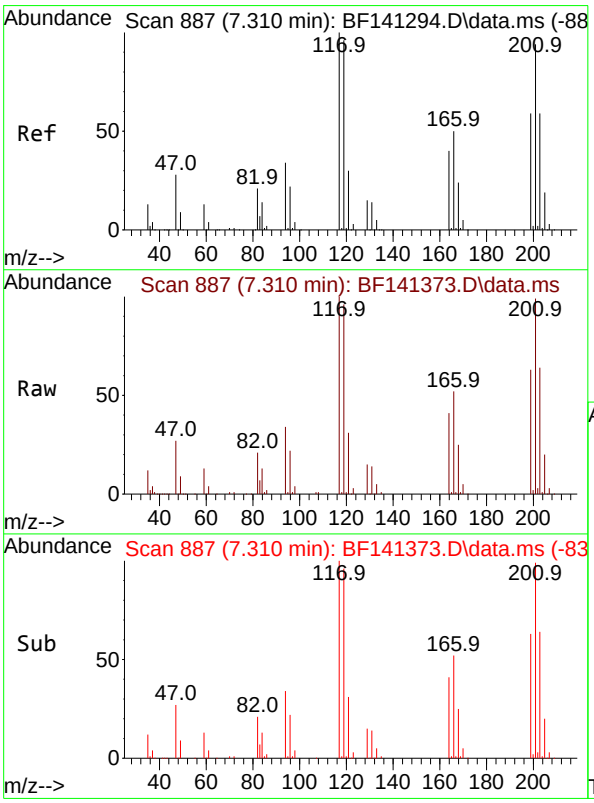
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.4 | 90.8 | 136.2 |
| 77 | 59.1 | 36.2 | 54.4# |
| 79 | 55.9 | 35.7 | 53.5# |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

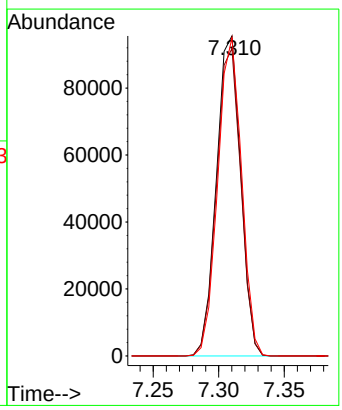
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

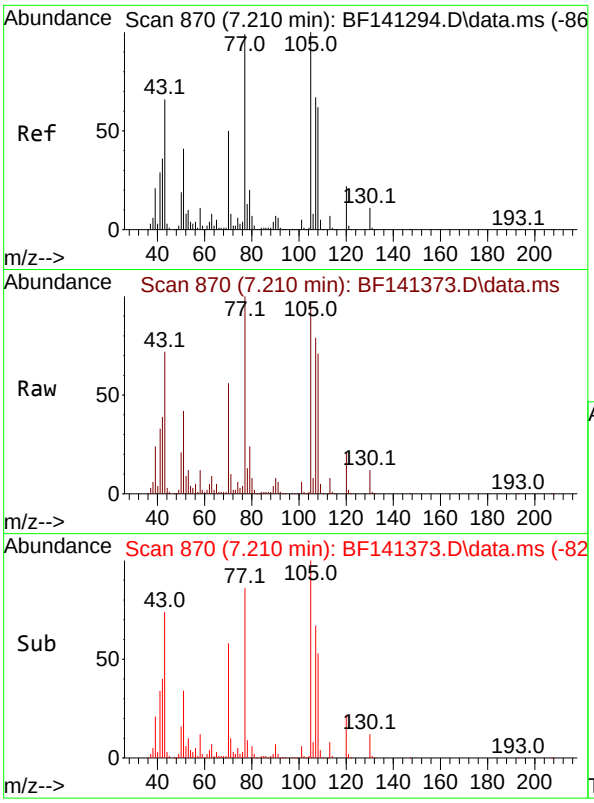



#18
Hexachloroethane
Concen: 41.378 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:117 Resp: 122966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.1 | 76.6 | 114.8 |
| 201 | 99.4 | 74.8 | 112.2 |

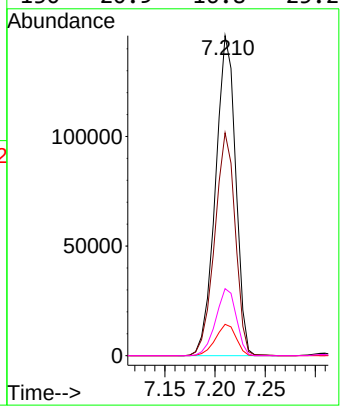





#19
n-Nitroso-di-n-propylamine
Concen: 39.842 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 70 Resp: 20434

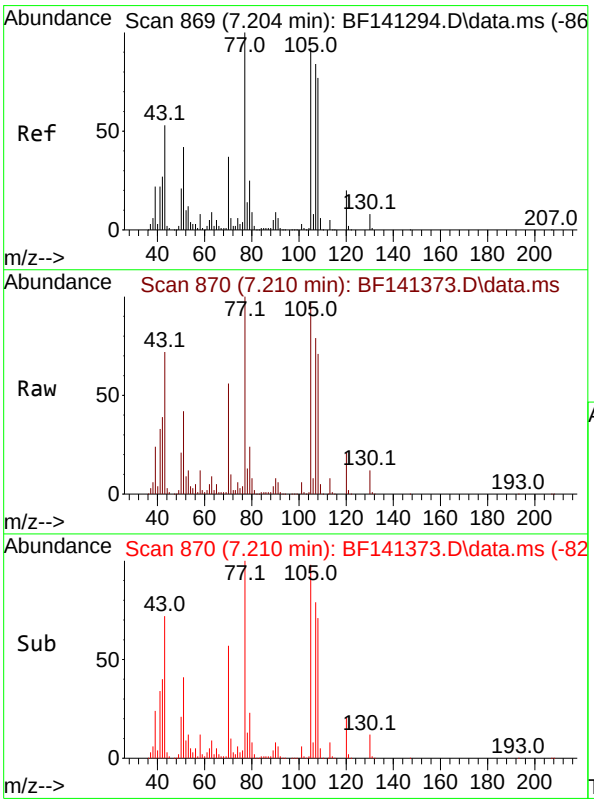
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 69.6 | 56.8 | 85.2 |
| 101 | 9.8 | 7.7 | 11.5 |
| 130 | 20.9 | 16.8 | 25.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

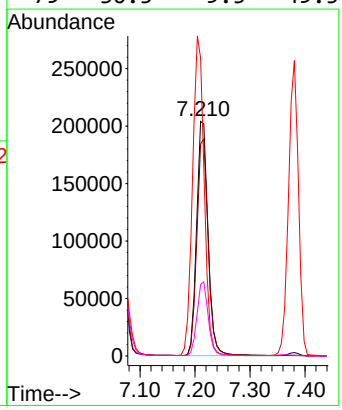
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

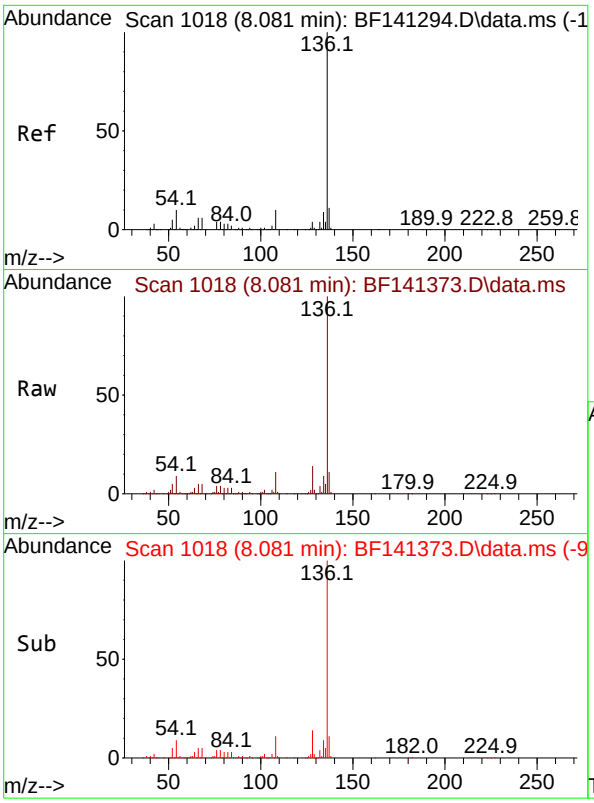



#20
3+4-Methylphenols
Concen: 40.751 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:107 Resp: 295742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.3 | 70.9 | 110.9 |
| 77 | 126.9 | 98.5 | 138.5 |
| 79 | 30.5 | 9.5 | 49.5 |

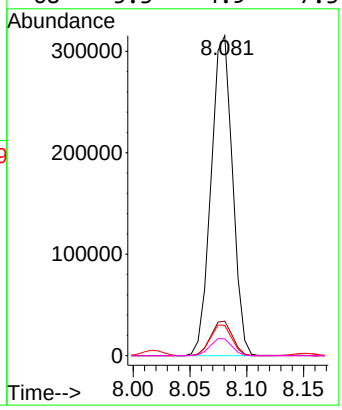





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:136 Resp: 41441

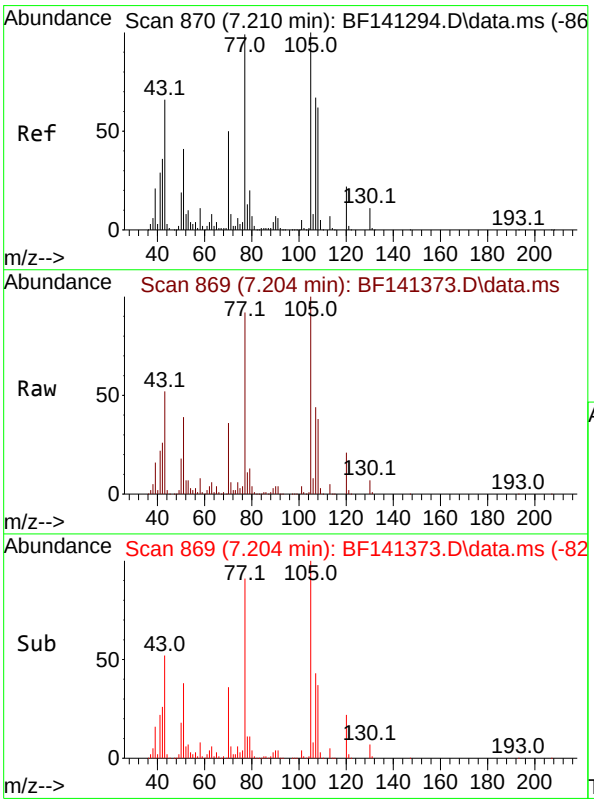
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.6 | 13.0 |
| 54 | 9.5 | 7.8 | 11.8 |
| 68 | 5.3 | 4.9 | 7.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

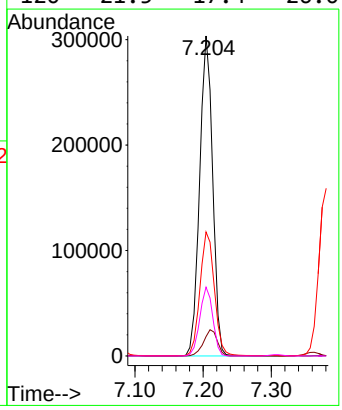
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

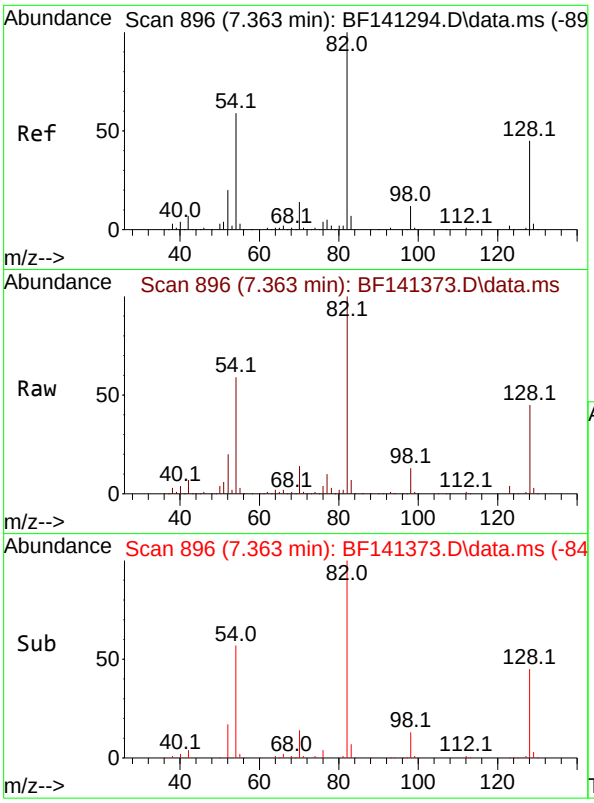



#22
Acetophenone
Concen: 40.923 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:105 Resp: 403113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.0 | 6.8 | 10.2# |
| 51 | 38.8 | 32.6 | 49.0 |
| 120 | 21.5 | 17.4 | 26.0 |

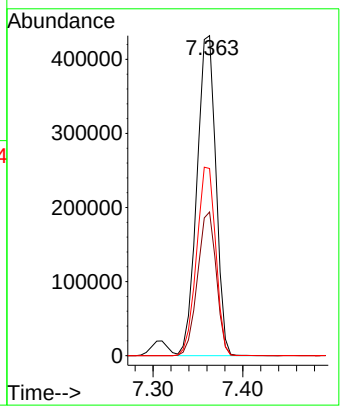





#23
Nitrobenzene-d5
Concen: 80.499 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 82 Resp: 63281

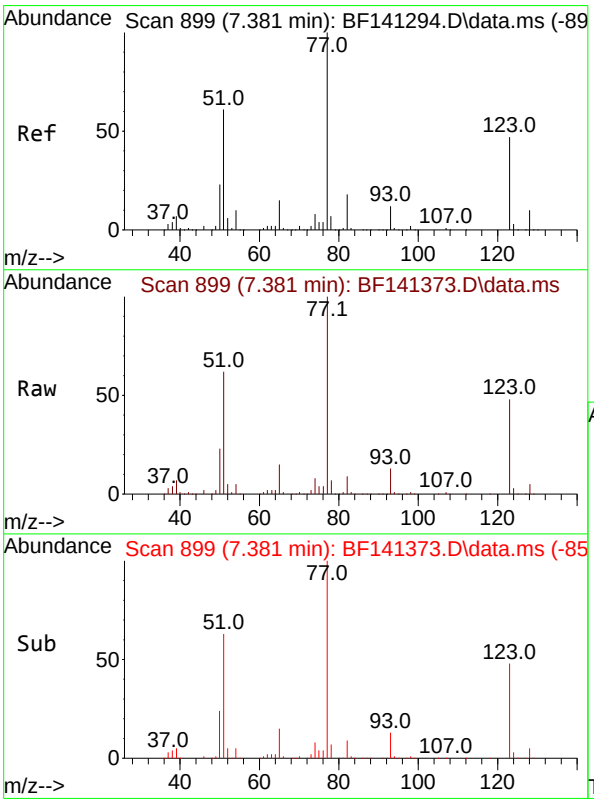
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.9 | 35.7 | 53.5 |
| 54 | 58.5 | 47.1 | 70.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

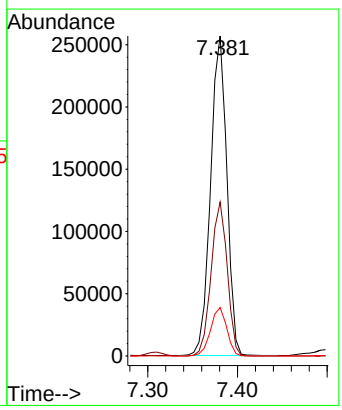
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

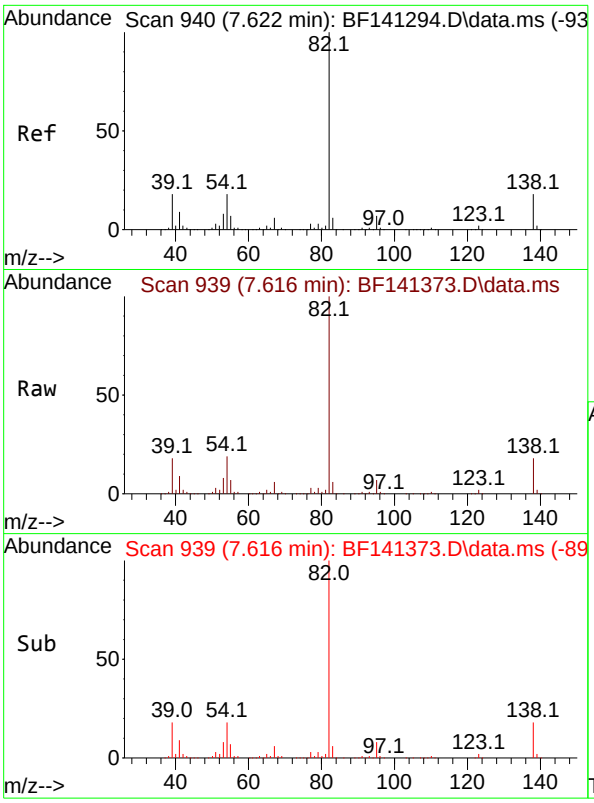



#24
Nitrobenzene
Concen: 39.612 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 77 Resp: 322702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 48.1 | 37.3 | 55.9 |
| 65 | 15.1 | 11.8 | 17.6 |

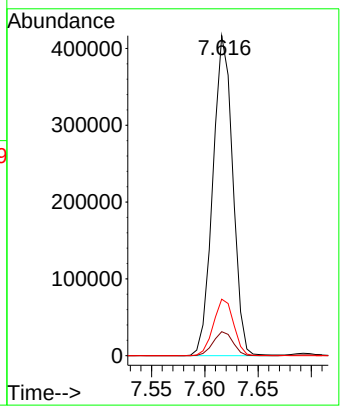





#25
Isophorone
Concen: 39.816 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 82 Resp: 54105

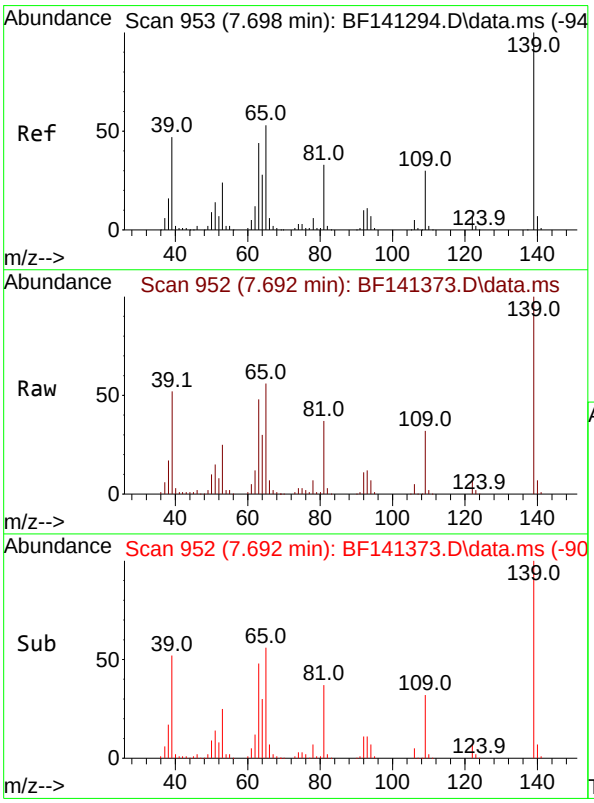
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.5 | 5.8 | 8.6 |
| 138 | 17.7 | 14.7 | 22.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

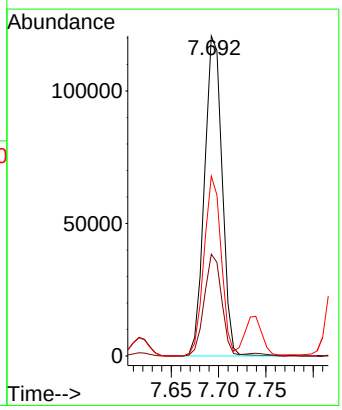
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

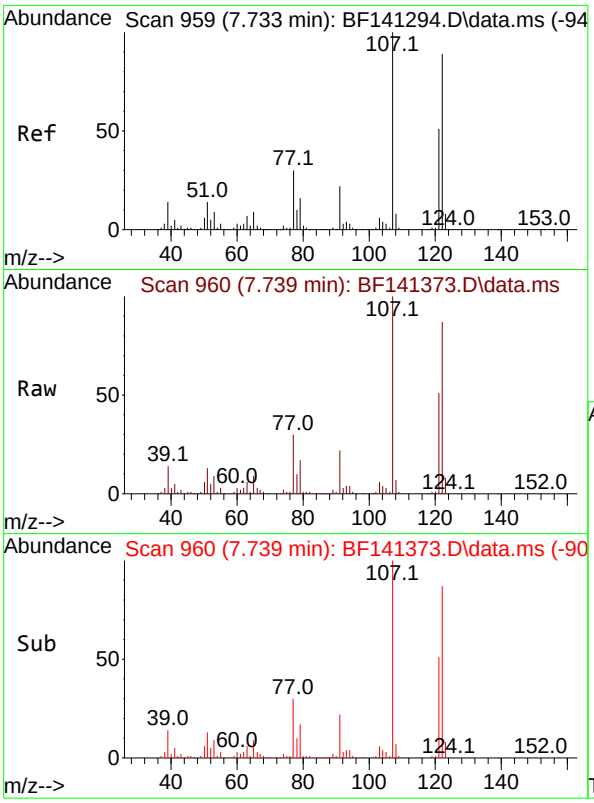



#26
2-Nitrophenol
Concen: 40.576 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:139 Resp: 155896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.8 | 23.8 | 35.6 |
| 65 | 56.2 | 42.2 | 63.4 |

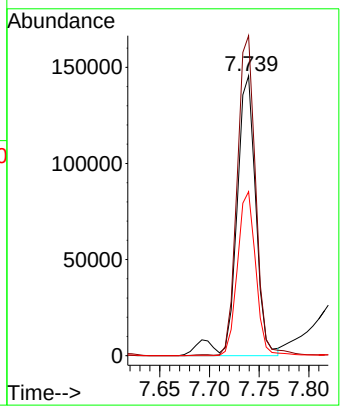





#27
2,4-Dimethylphenol
Concen: 40.168 ng m
RT: 7.739 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:122 Resp: 19643

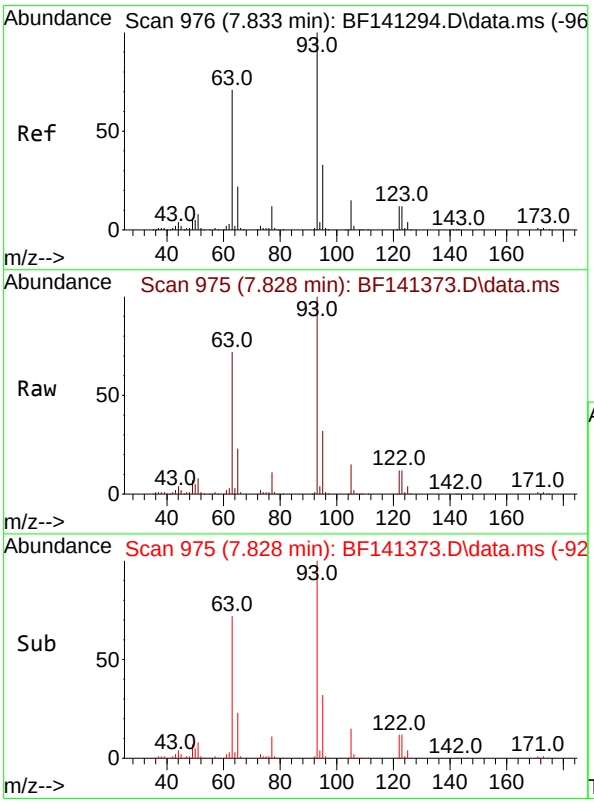
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.4 | 89.9 | 134.9 |
| 121 | 58.6 | 46.1 | 69.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

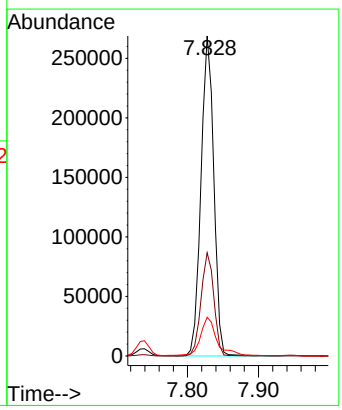
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

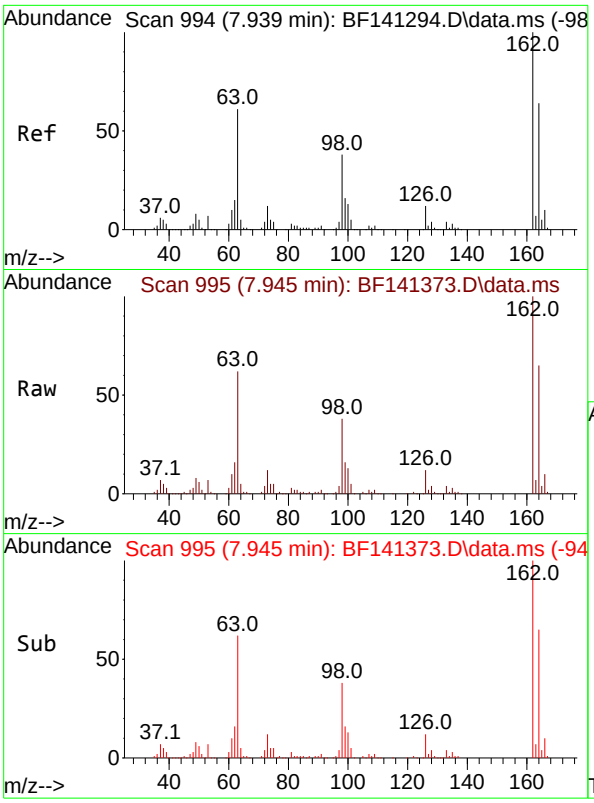



#28
bis(2-Chloroethoxy)methane
Concen: 39.010 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 93 Resp: 338131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.2 | 26.2 | 39.2 |
| 123 | 12.1 | 10.2 | 15.4 |

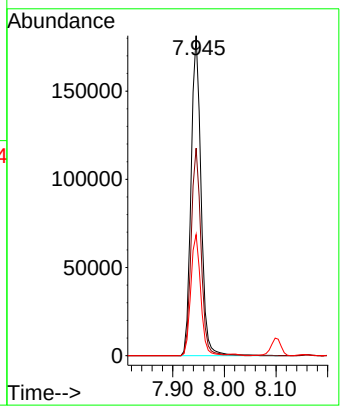





#29
2,4-Dichlorophenol
Concen: 40.508 ng
RT: 7.945 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:162 Resp: 24251

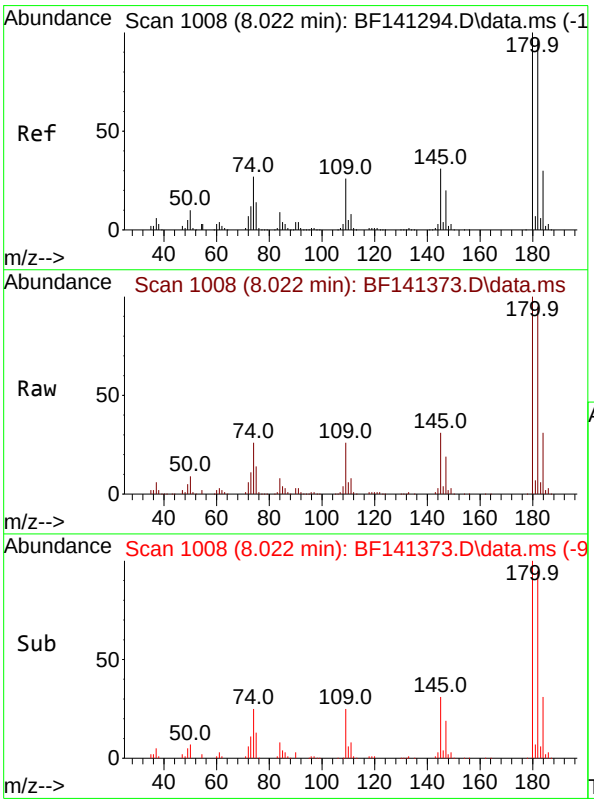
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.8 | 44.2 | 84.2 |
| 98 | 37.9 | 18.2 | 58.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

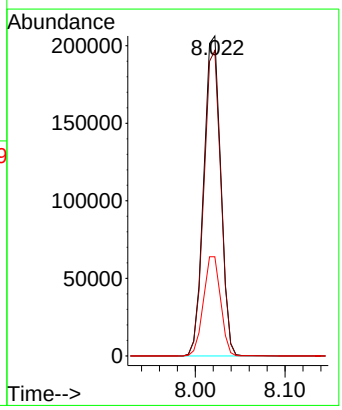
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

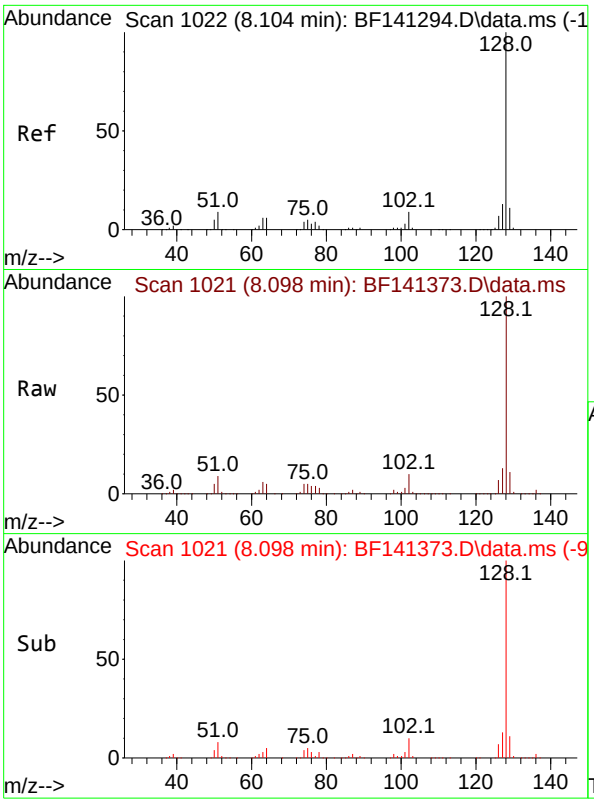



#30
1,2,4-Trichlorobenzene
Concen: 39.757 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:180 Resp: 271821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 76.4 | 114.6 |
| 145 | 31.0 | 24.9 | 37.3 |

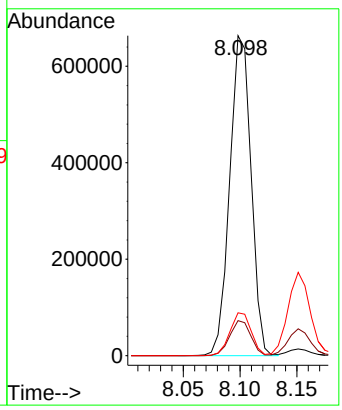





#31
Naphthalene
Concen: 39.616 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:128 Resp: 86729

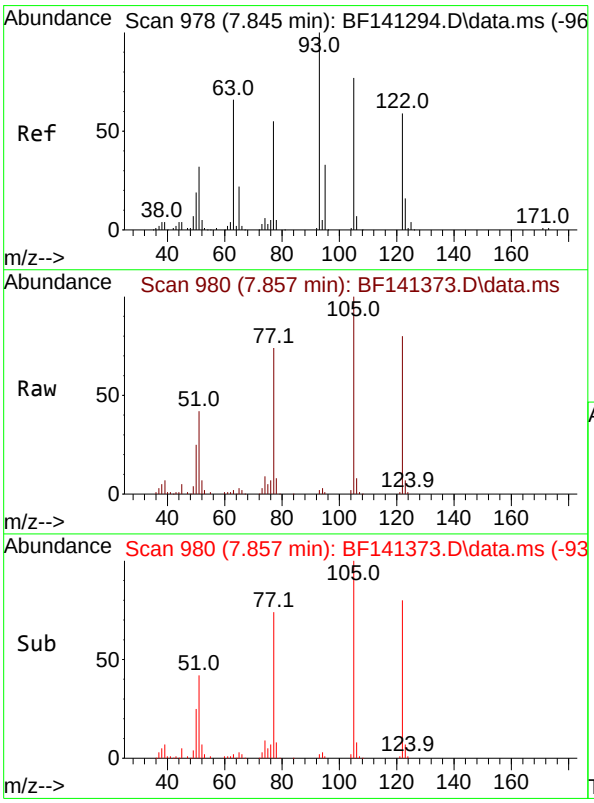
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.9 | 13.3 |
| 127 | 13.4 | 10.6 | 15.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

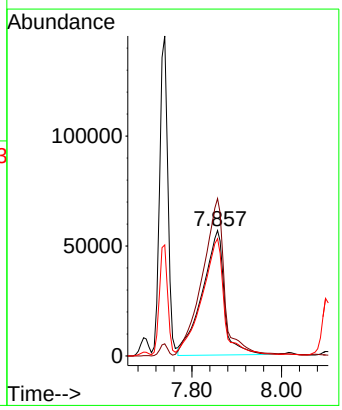
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

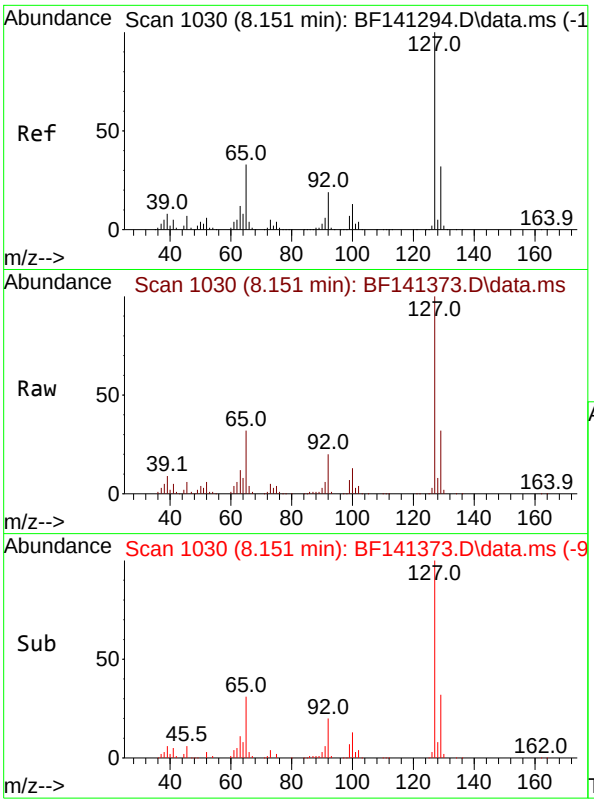



#32
Benzoic acid
Concen: 42.934 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:122 Resp: 193009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 125.4 | 103.4 | 143.4 |
| 77 | 93.4 | 70.9 | 110.9 |

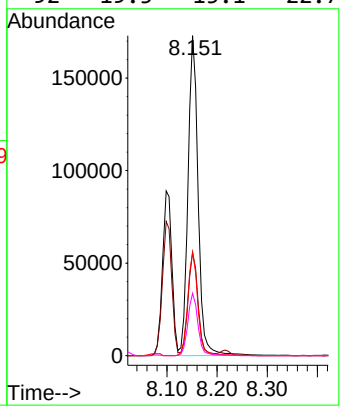





#33
4-Chloroaniline
Concen: 32.676 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:127 Resp: 24258

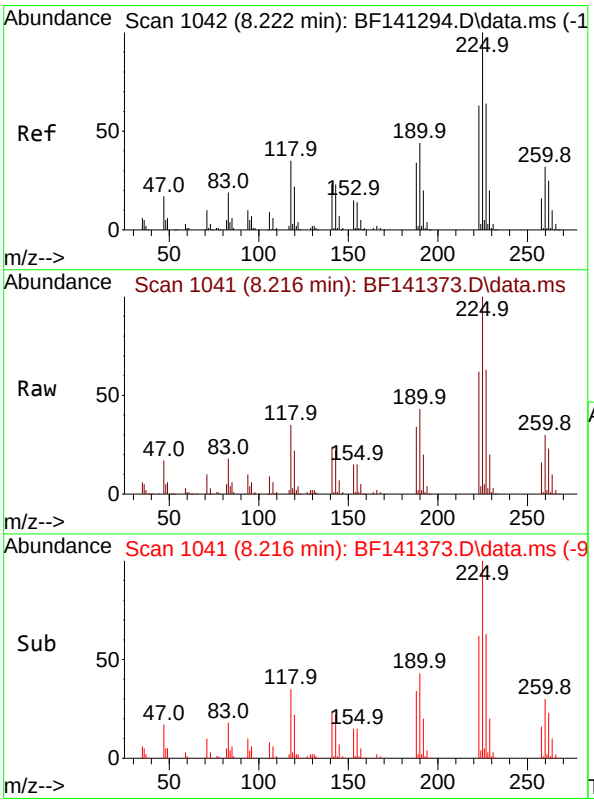
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.3 | 25.7 | 38.5 |
| 65 | 32.4 | 26.4 | 39.6 |
| 92 | 19.5 | 15.1 | 22.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

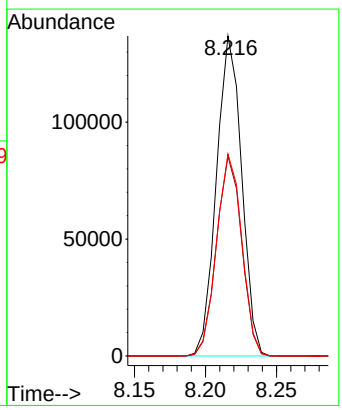
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

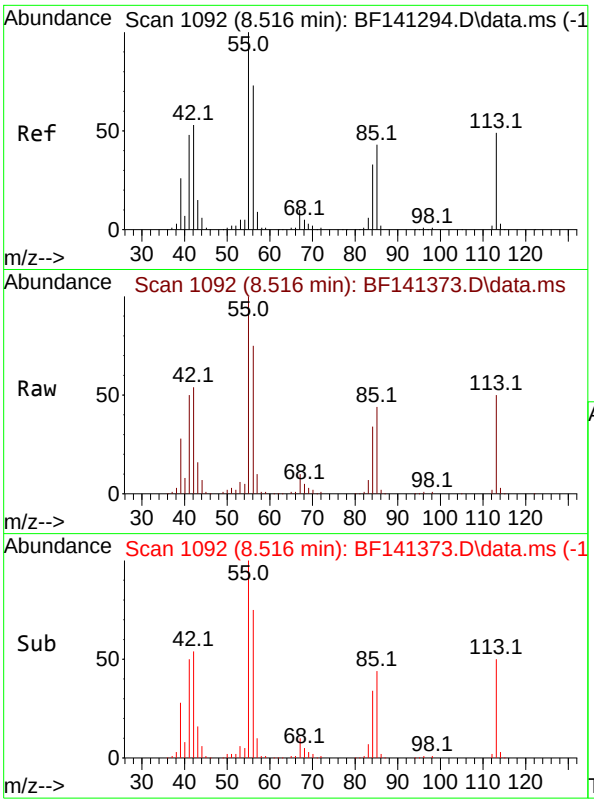



#34
Hexachlorobutadiene
Concen: 42.128 ng
RT: 8.216 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:225 Resp: 168912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.4 | 50.4 | 75.6 |
| 227 | 63.2 | 51.3 | 76.9 |






#35
Caprolactam
Concen: 40.764 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.030 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

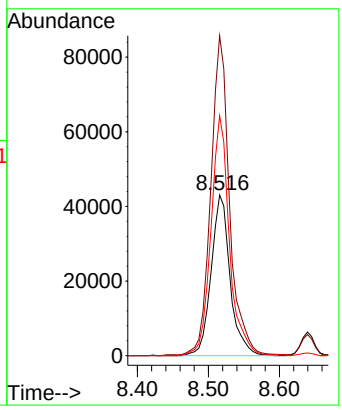
Tgt Ion:113 Resp: 7970

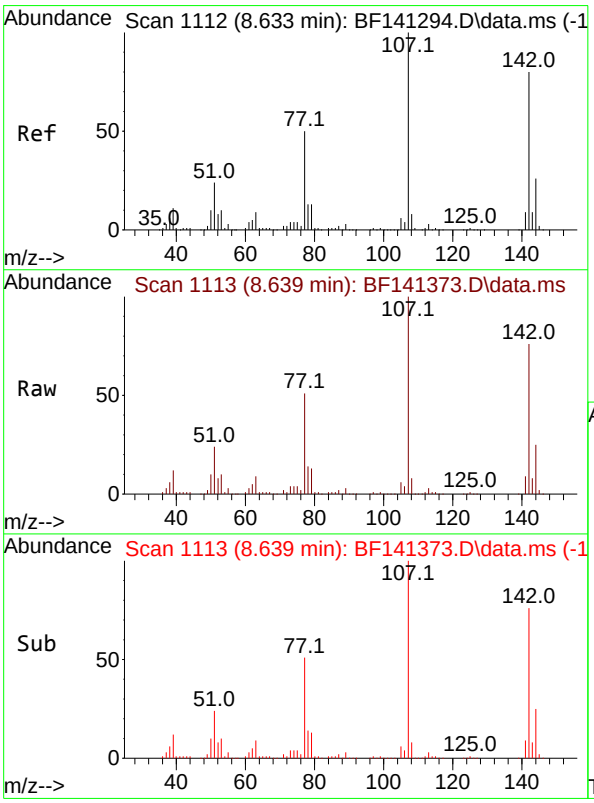
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 199.2 | 182.9 | 222.9 |
| 56 | 149.3 | 127.9 | 167.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

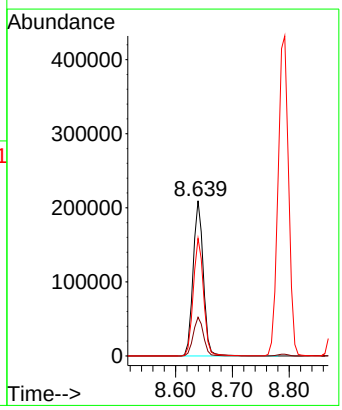


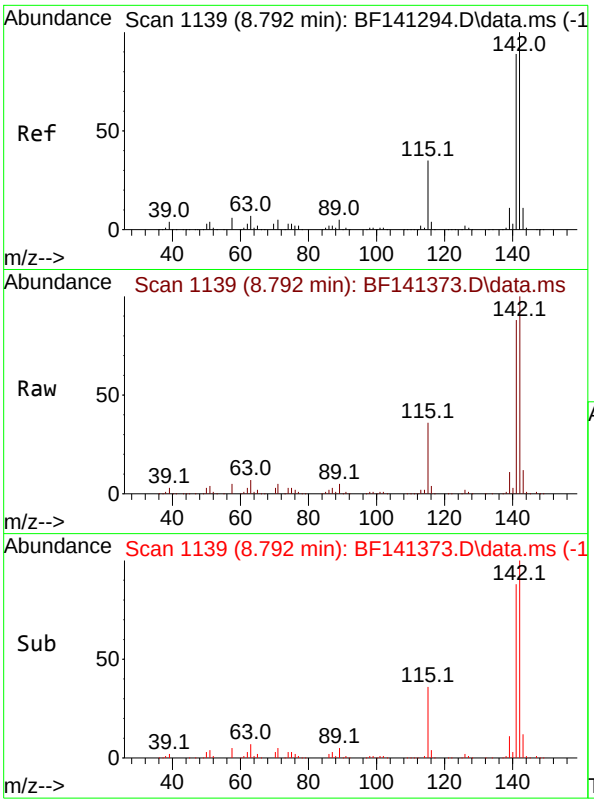




#36
4-Chloro-3-methylphenol
Concen: 41.066 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:107 Resp: 263711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.9 | 20.7 | 31.1 |
| 142 | 75.7 | 63.8 | 95.8 |

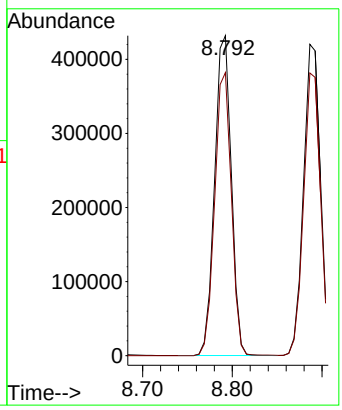





#37
2-Methylnaphthalene
Concen: 40.024 ng
RT: 8.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:142 Resp: 55690

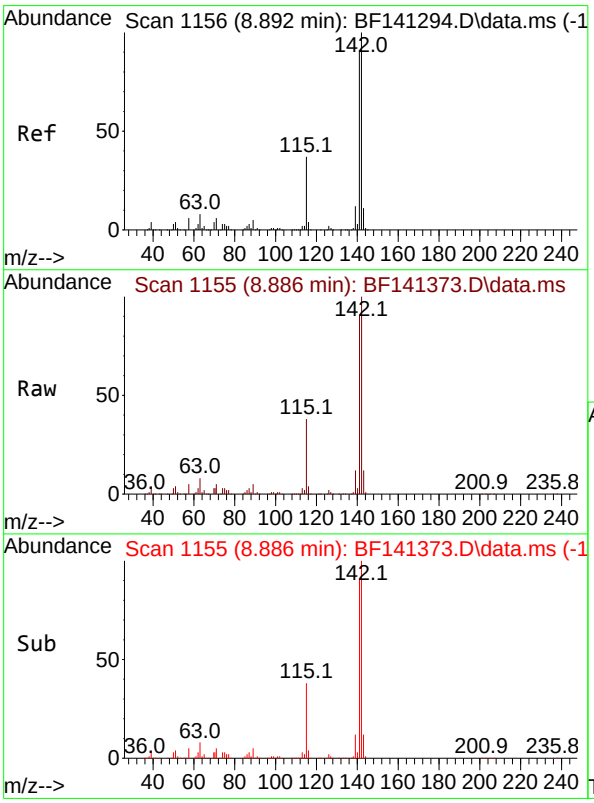
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.5 | 71.3 | 106.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

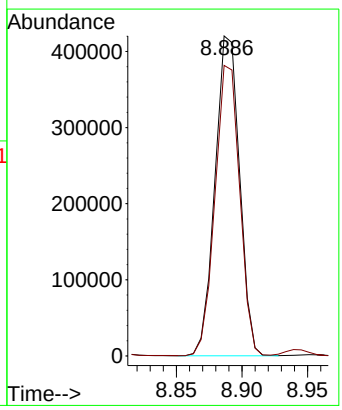
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

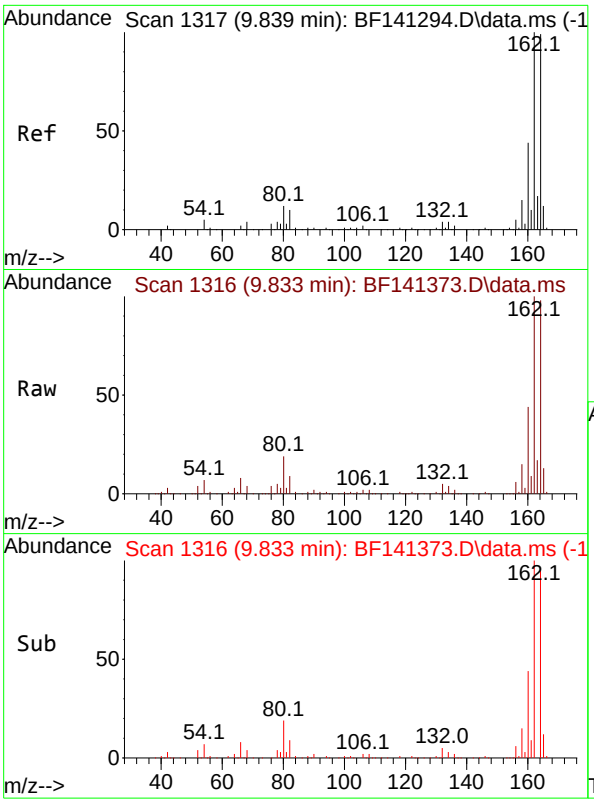



#38
1-Methylnaphthalene
Concen: 40.034 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:142 Resp: 547195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.8 | 73.2 | 109.8 |

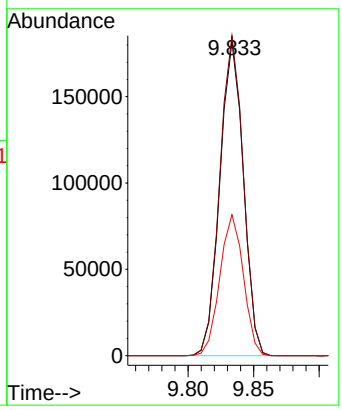





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:164 Resp: 22632

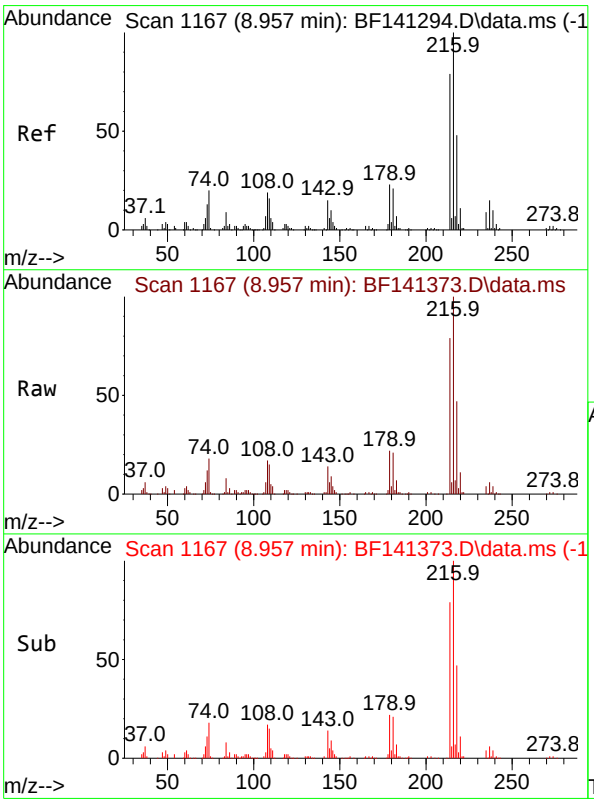
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.0 | 80.6 | 121.0 |
| 160 | 44.9 | 35.8 | 53.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

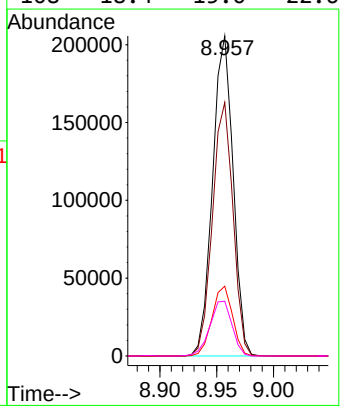
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

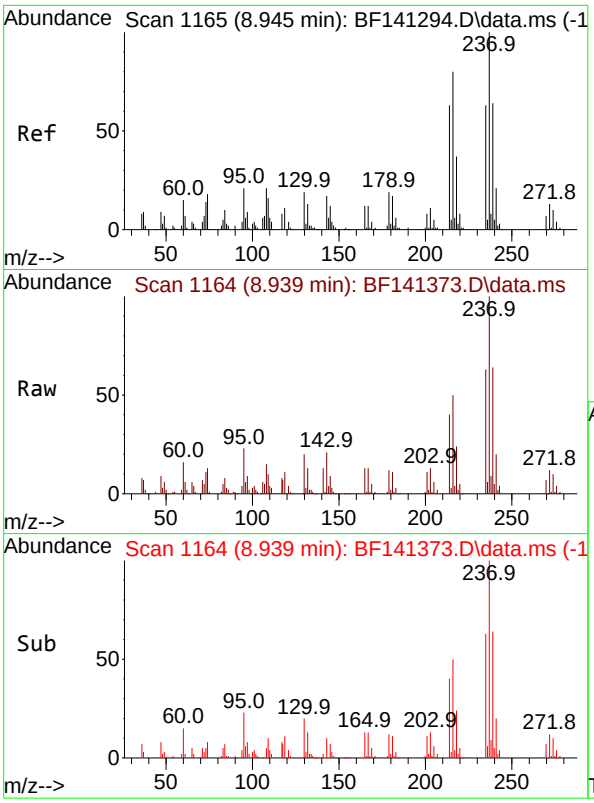



#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.167 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:216 Resp: 258626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.1 | 63.2 | 94.8 |
| 179 | 21.8 | 17.8 | 26.8 |
| 108 | 18.4 | 15.0 | 22.6 |

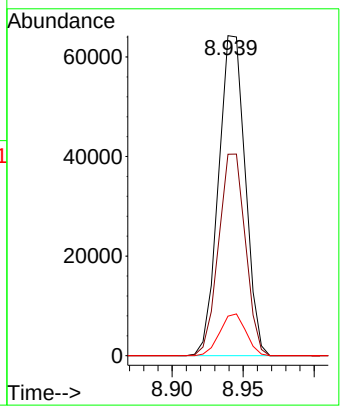





#41
Hexachlorocyclopentadiene
Concen: 44.173 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:237 Resp: 8399

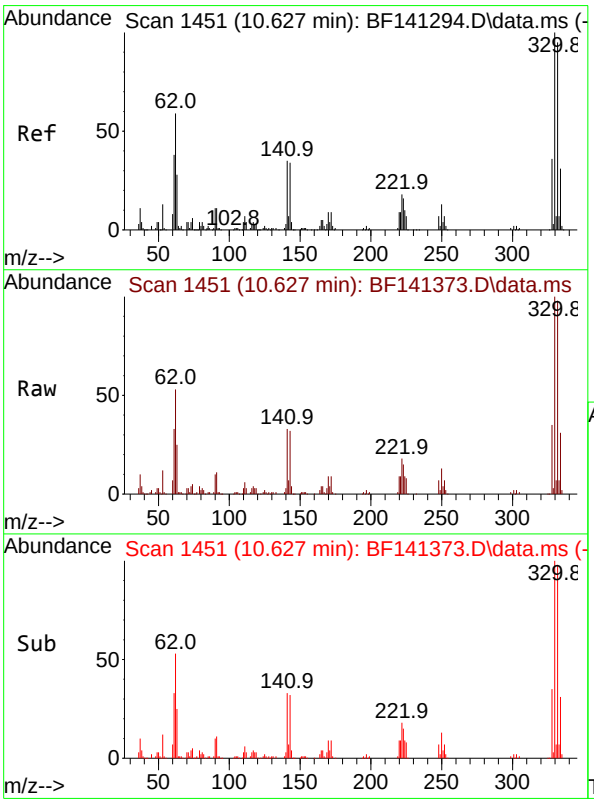
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.0 | 42.9 | 82.9 |
| 272 | 12.4 | 0.0 | 32.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

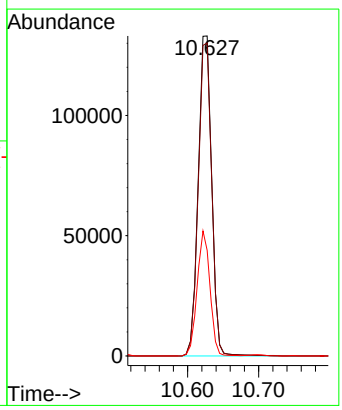
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

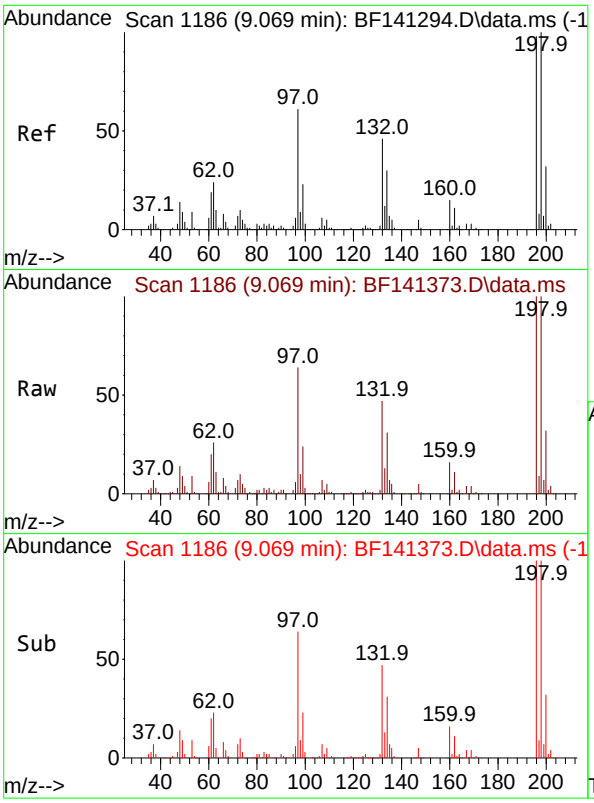



#42
2,4,6-Tribromophenol
Concen: 84.706 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:330 Resp: 175756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.6 | 76.1 | 114.1 |
| 141 | 37.2 | 28.8 | 43.2 |

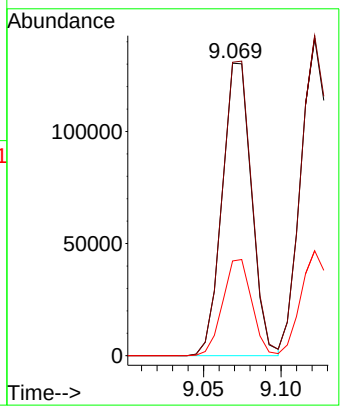





#43
2,4,6-Trichlorophenol
Concen: 40.768 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:196 Resp: 17181

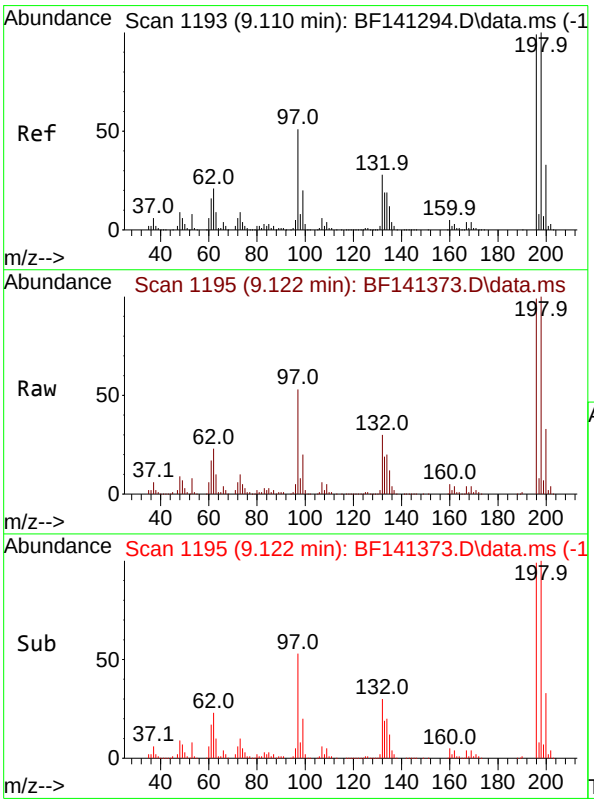
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.3 | 81.8 | 122.6 |
| 200 | 32.4 | 26.3 | 39.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

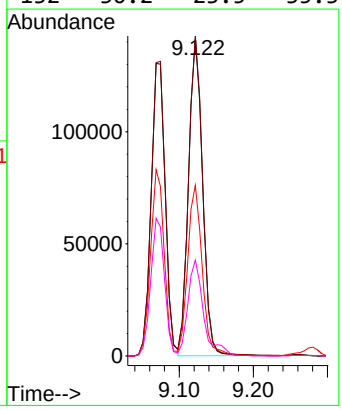
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

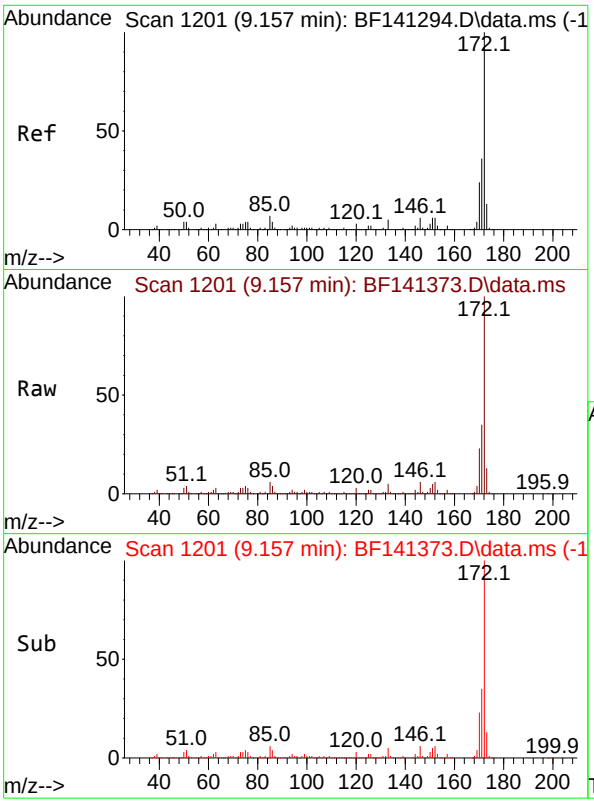



#44
2,4,5-Trichlorophenol
Concen: 40.747 ng
RT: 9.122 min Scan# 1195
Delta R.T. 0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:196 Resp: 186902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.8 | 80.5 | 120.7 |
| 97 | 53.8 | 42.8 | 64.2 |
| 132 | 30.2 | 23.5 | 35.3 |






#45
2-Fluorobiphenyl
Concen: 79.517 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

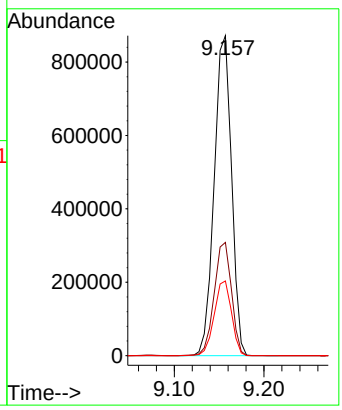
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

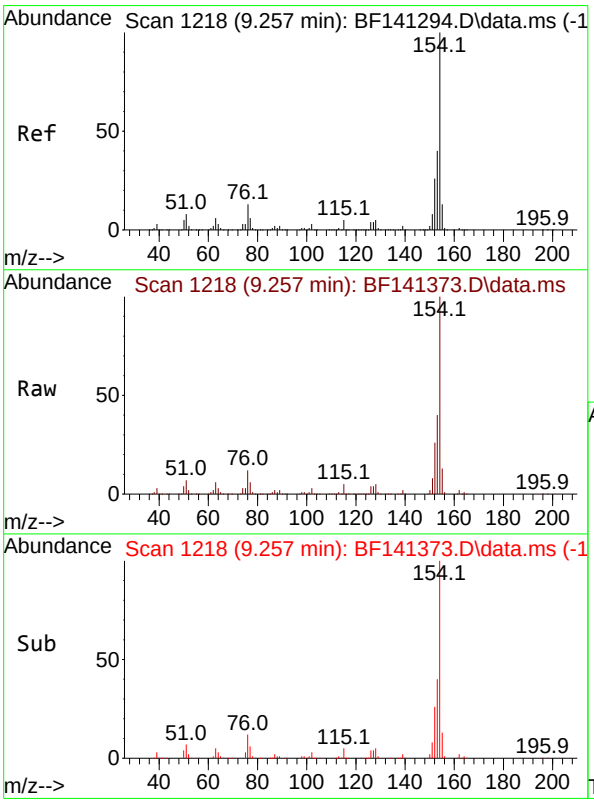
Tgt Ion:172 Resp: 116923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.8 | 43.2 |
| 170 | 23.3 | 19.0 | 28.6 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

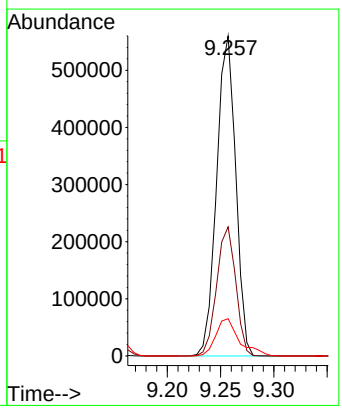


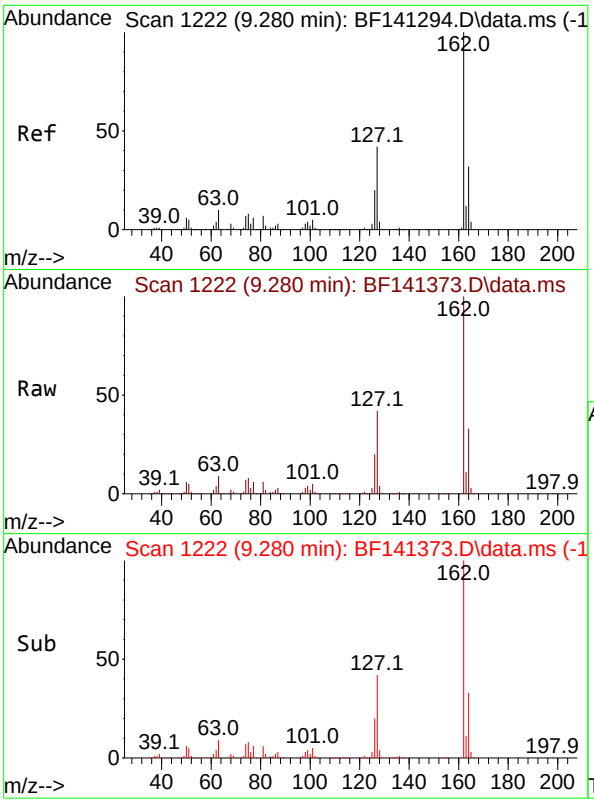




#46
1,1'-Biphenyl
Concen: 39.393 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:154 Resp: 695314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.4 | 20.0 | 60.0 |
| 76 | 11.7 | 0.0 | 32.8 |

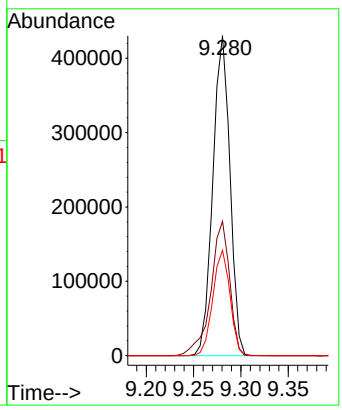





#47
2-Chloronaphthalene
Concen: 39.346 ng
RT: 9.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:162 Resp: 54131

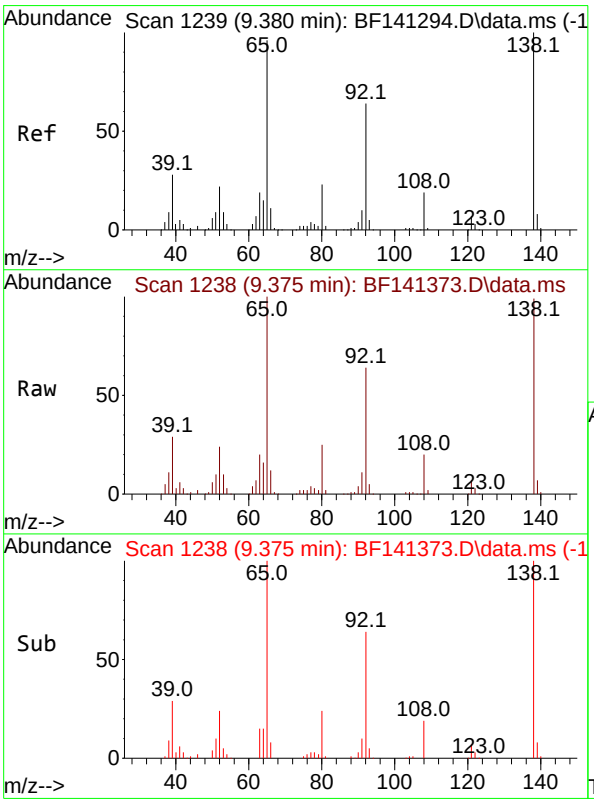
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.0 | 33.7 | 50.5 |
| 164 | 32.9 | 25.9 | 38.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

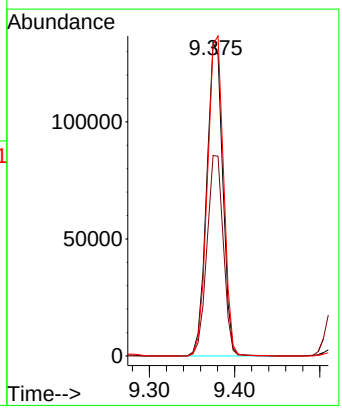
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

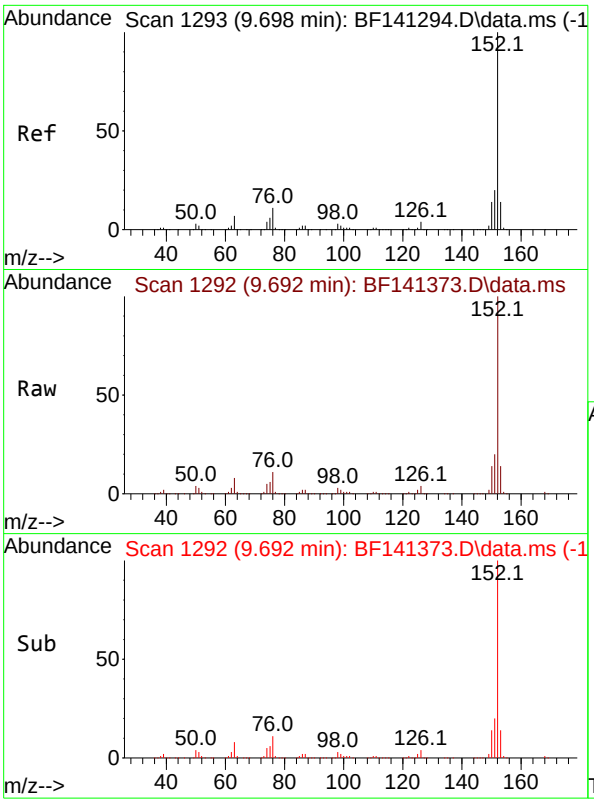



#48
2-Nitroaniline
Concen: 40.613 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 65 Resp: 175746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 63.9 | 53.3 | 79.9 |
| 138 | 99.3 | 83.6 | 125.4 |

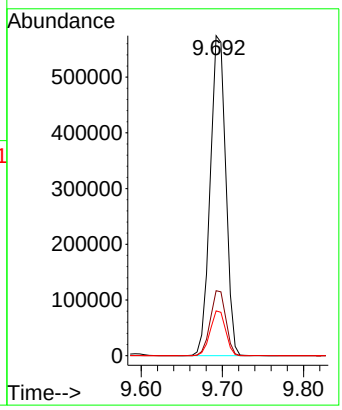





#49
Acenaphthylene
Concen: 39.561 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:152 Resp: 76188

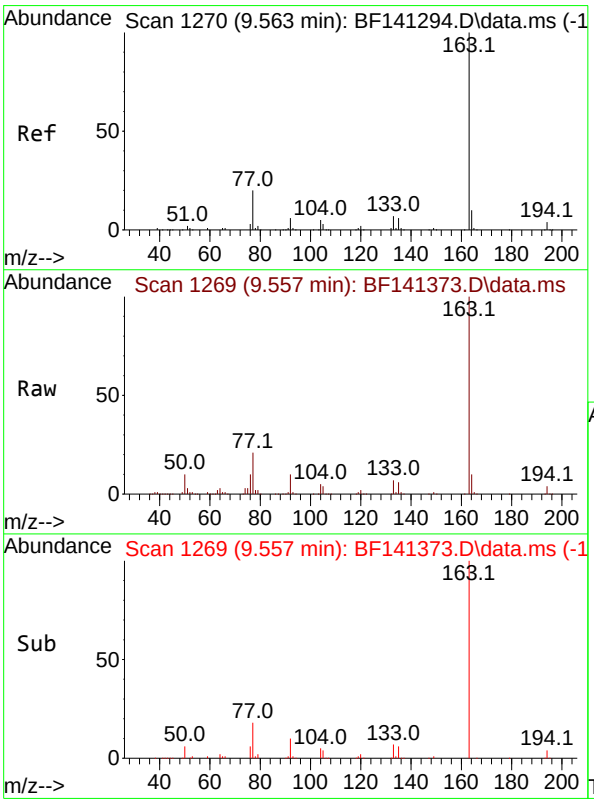
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.2 | 24.2 |
| 153 | 14.0 | 11.0 | 16.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

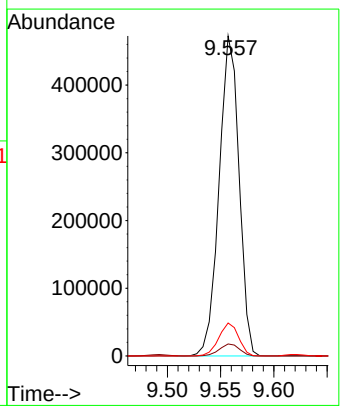
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

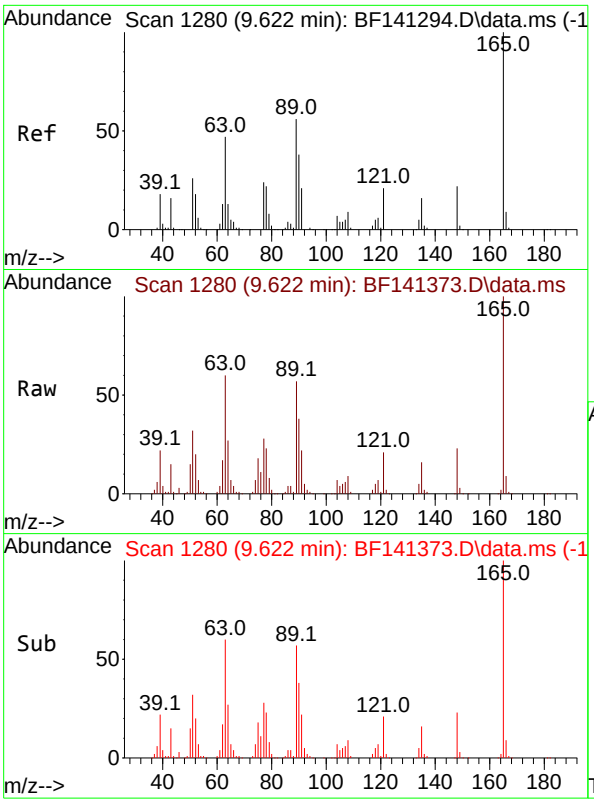



#50
Dimethylphthalate
Concen: 40.182 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:163 Resp: 614225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.6 |
| 164 | 10.3 | 8.0 | 12.0 |

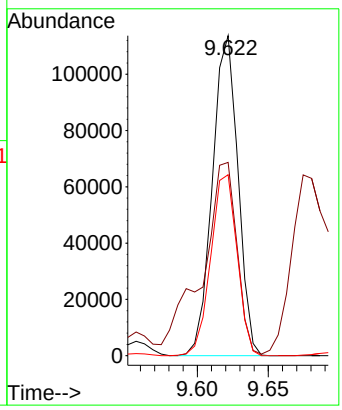





#51
2,6-Dinitrotoluene
Concen: 40.128 ng
RT: 9.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:165 Resp: 14242

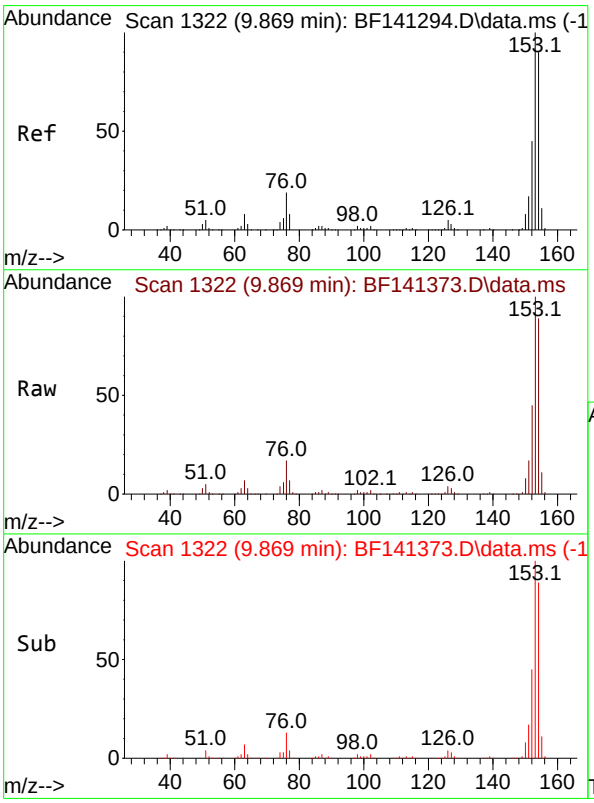
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 60.4 | 48.1 | 72.1 |
| 89 | 56.5 | 44.9 | 67.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

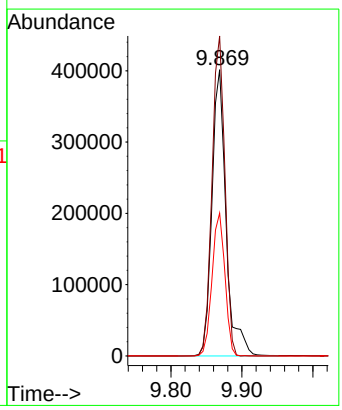
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

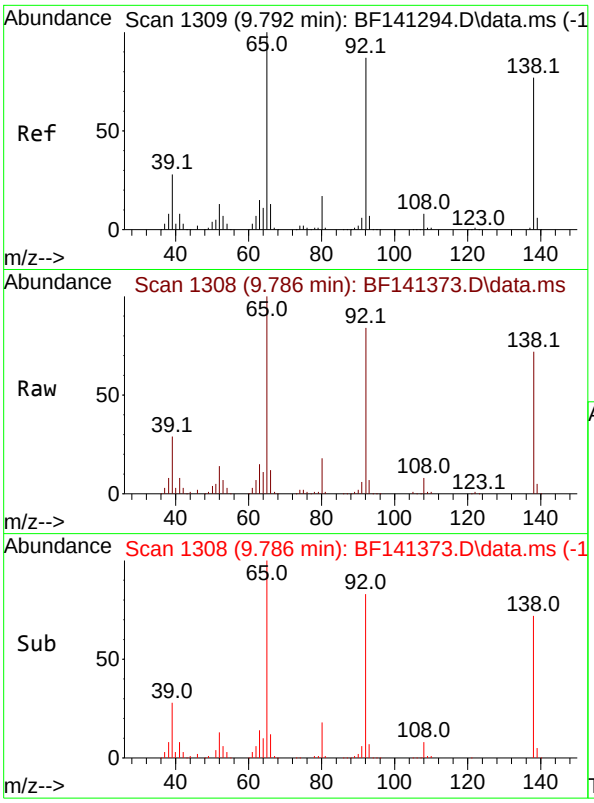



#52
Acenaphthene
Concen: 40.321 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:154 Resp: 554750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.8 | 89.0 | 133.4 |
| 152 | 49.9 | 40.2 | 60.4 |






#53
3-Nitroaniline
Concen: 40.403 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

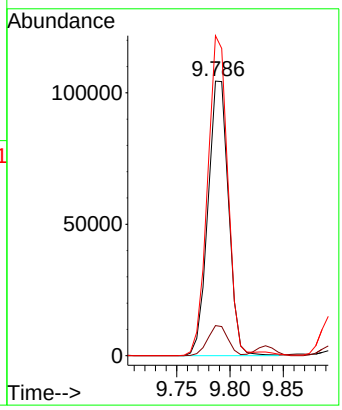
Tgt Ion:138 Resp: 14054

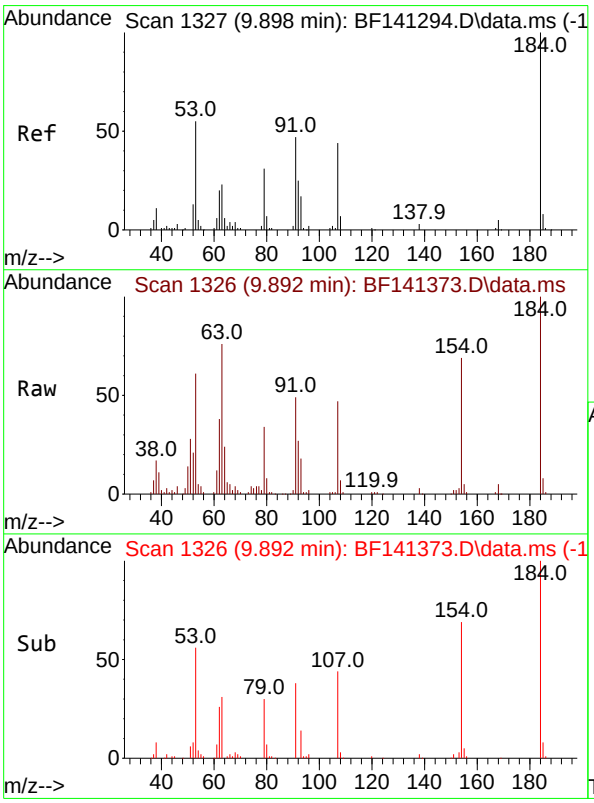
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.9 | 8.6 | 12.8 |
| 92 | 116.5 | 91.0 | 136.6 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

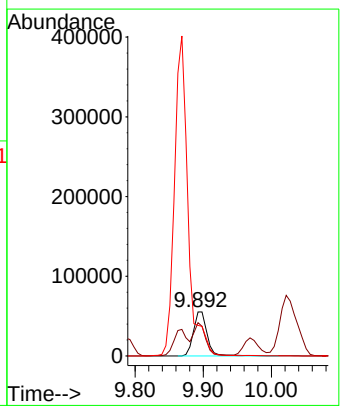


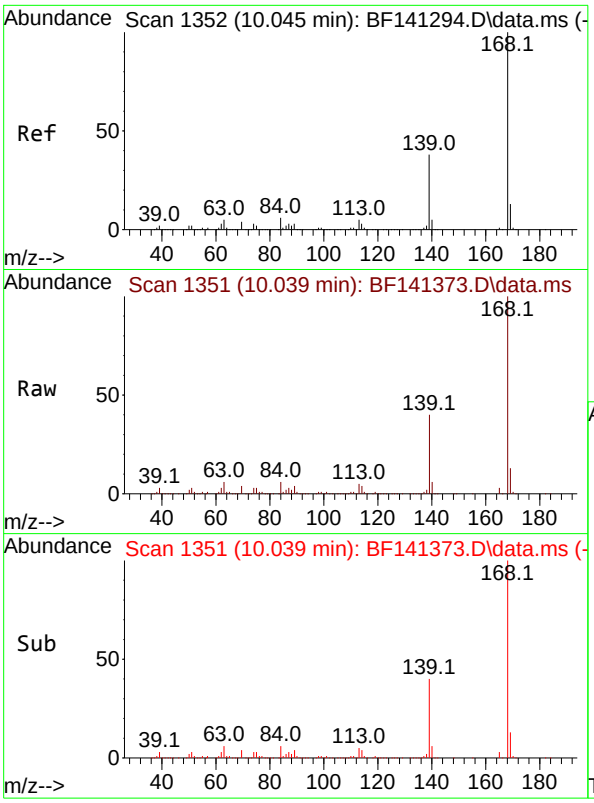




#54
2,4-Dinitrophenol
Concen: 46.667 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:184 Resp: 76994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 75.5 | 54.1 | 81.1 |
| 154 | 69.4 | 50.7 | 76.1 |

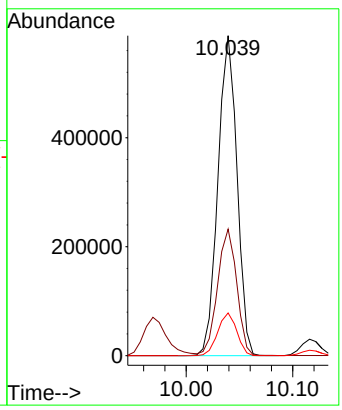





#55
Dibenzofuran
Concen: 39.528 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:168 Resp: 72795

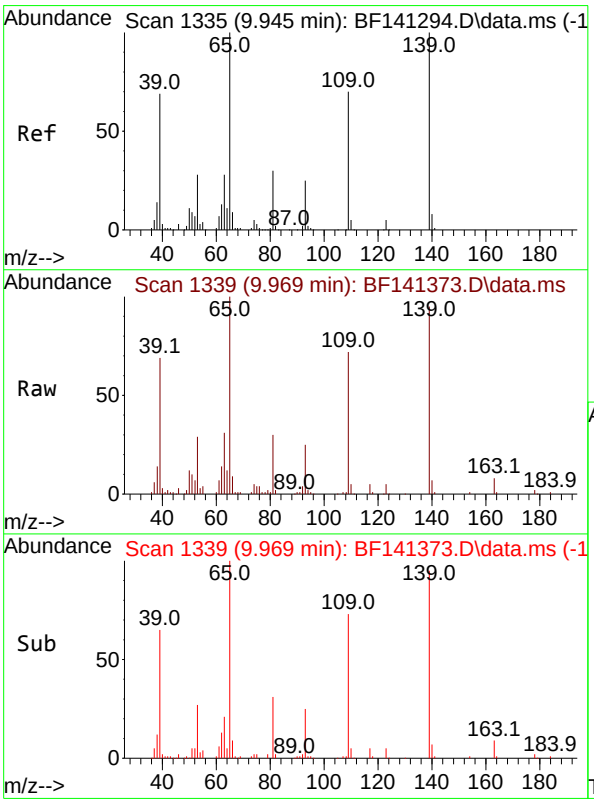
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.6 | 30.6 | 46.0 |
| 169 | 13.3 | 10.8 | 16.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

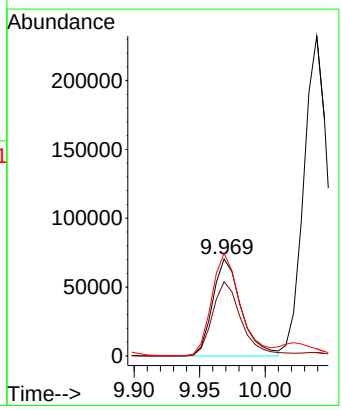
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

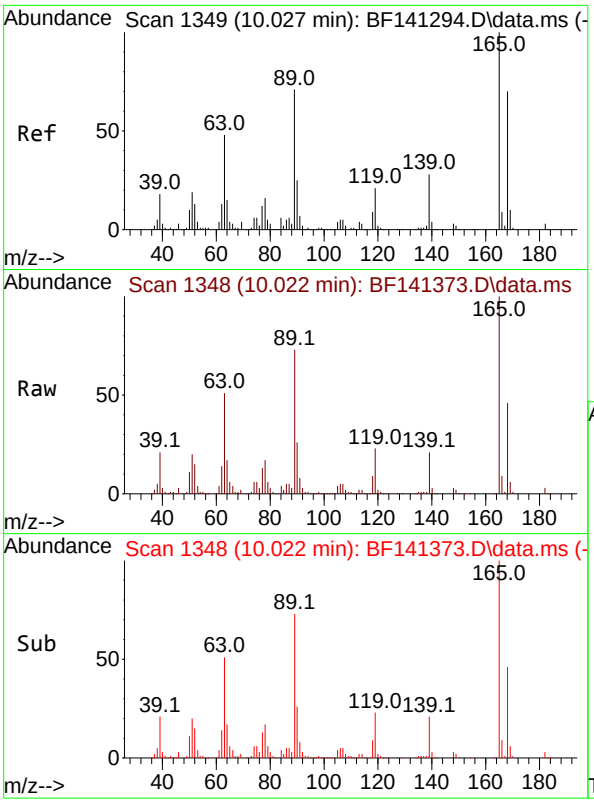



#56
4-Nitrophenol
Concen: 41.887 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:139 Resp: 106562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 76.5 | 50.2 | 90.2 |
| 65 | 105.7 | 80.6 | 120.6 |

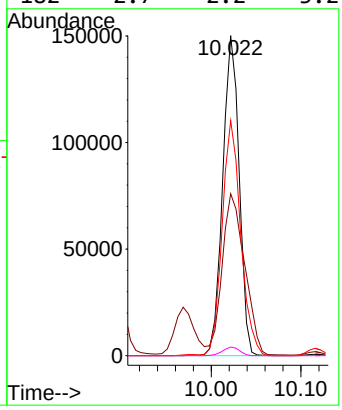





#57
2,4-Dinitrotoluene
Concen: 41.657 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:165 Resp: 19142

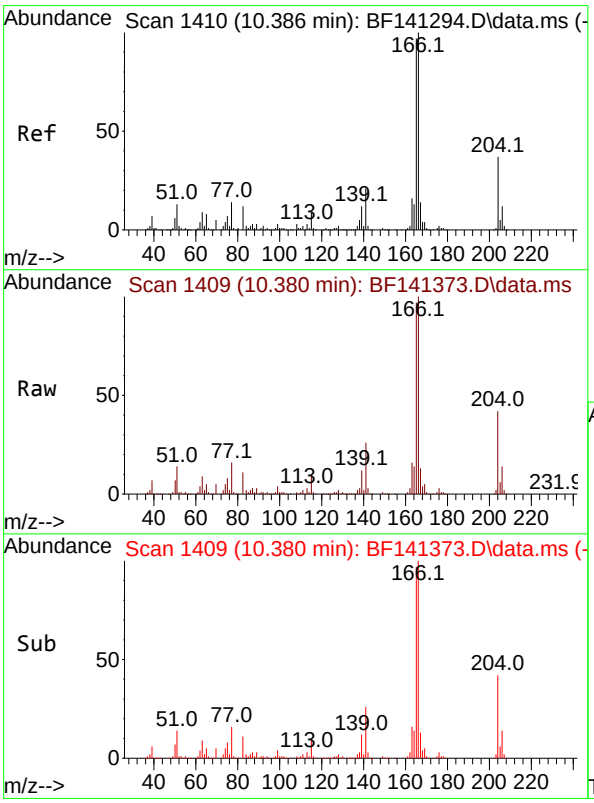
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 50.6 | 39.2 | 58.8 |
| 89 | 73.5 | 56.9 | 85.3 |
| 182 | 2.7 | 2.2 | 3.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

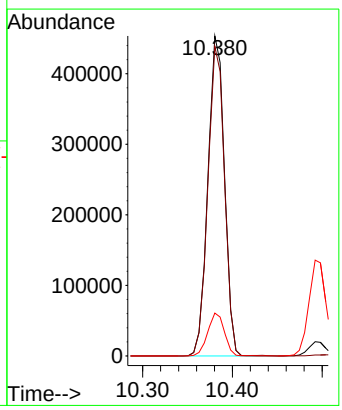
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

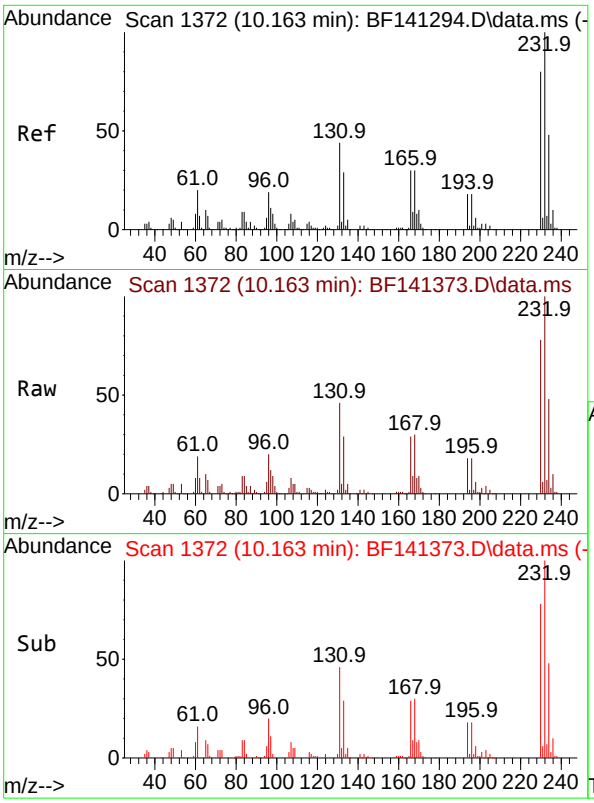



#58
Fluorene
Concen: 40.737 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:166 Resp: 581931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.7 | 77.5 | 116.3 |
| 167 | 13.4 | 10.9 | 16.3 |

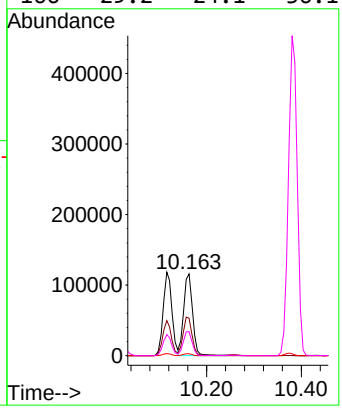





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.131 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:232 Resp: 15203

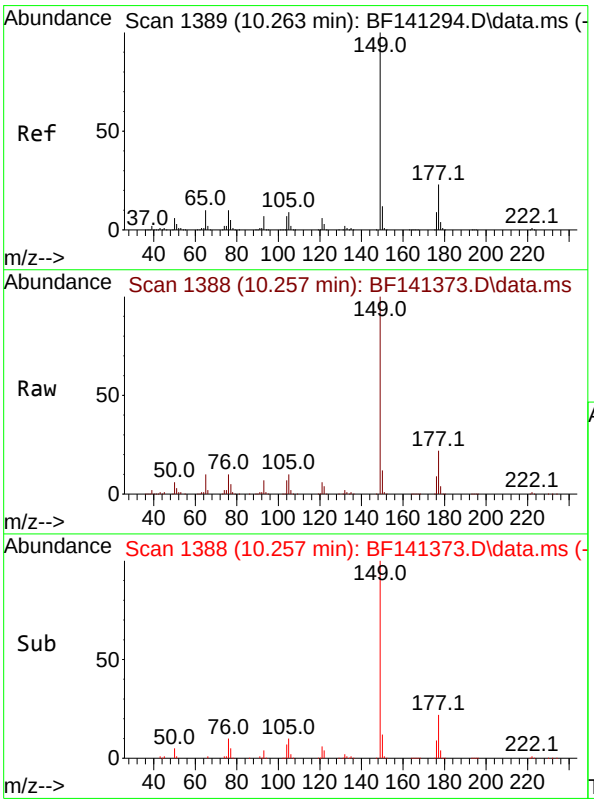
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 47.1 | 36.4 | 54.6 |
| 130 | 2.3 | 1.9 | 2.9 |
| 166 | 29.2 | 24.1 | 36.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

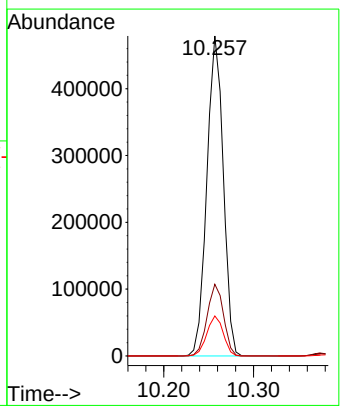
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

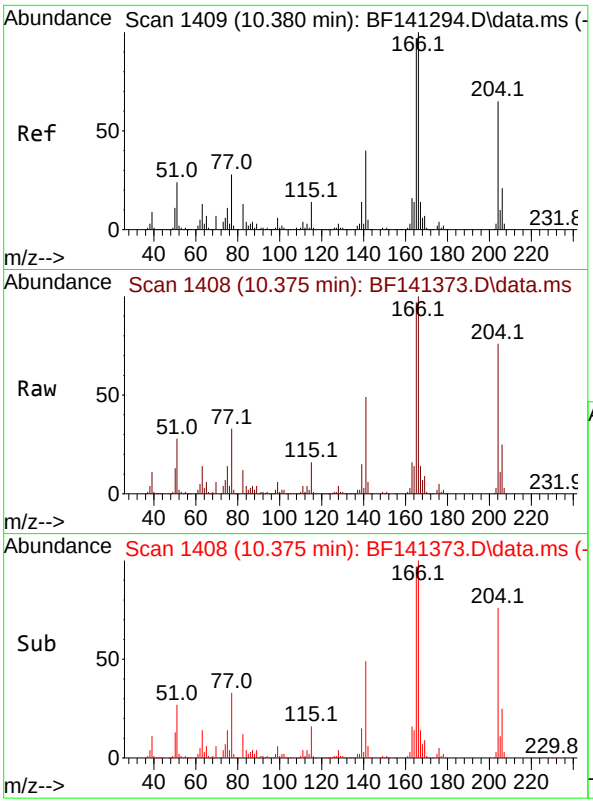



#60
Diethylphthalate
Concen: 41.105 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:149 Resp: 609242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.4 | 18.5 | 27.7 |
| 150 | 12.5 | 10.0 | 15.0 |






#61
4-Chlorophenyl-phenylether
Concen: 40.268 ng
RT: 10.375 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

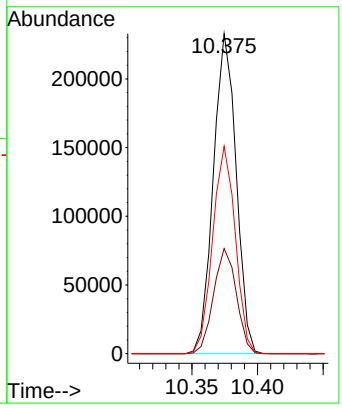
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

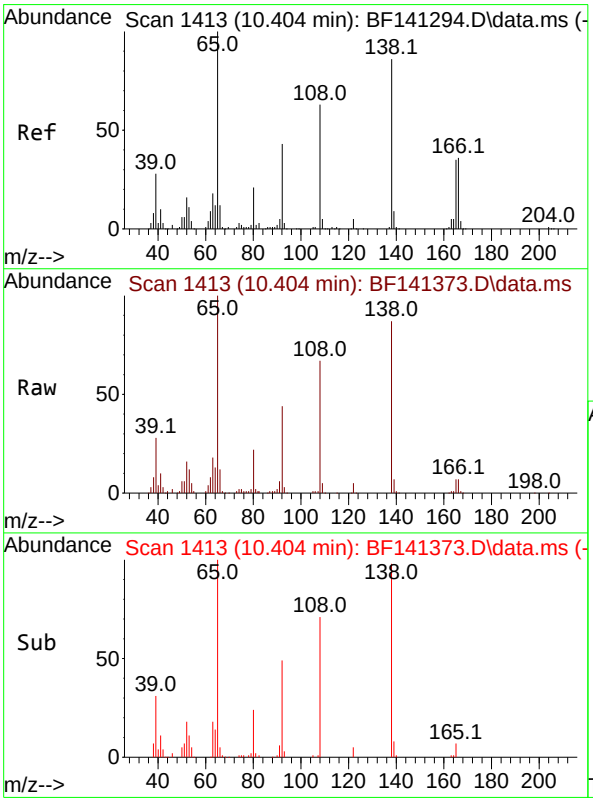
Tgt Ion:204 Resp: 28098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.8 | 25.9 | 38.9 |
| 141 | 64.8 | 49.5 | 74.3 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

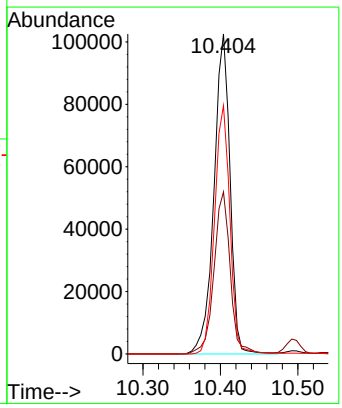


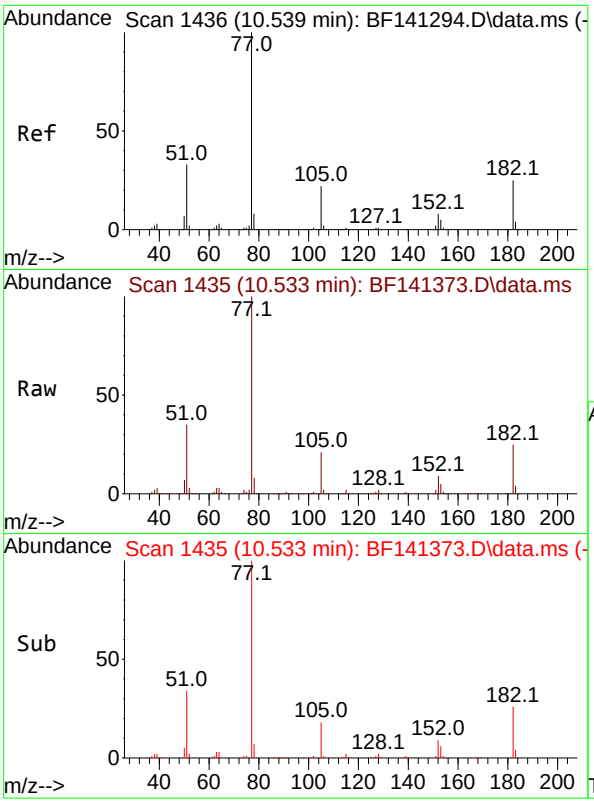




#62
4-Nitroaniline
Concen: 43.258 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:138 Resp: 147941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.7 | 30.1 | 70.1 |
| 108 | 77.6 | 53.1 | 93.1 |






#63
Azobenzene
Concen: 39.486 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

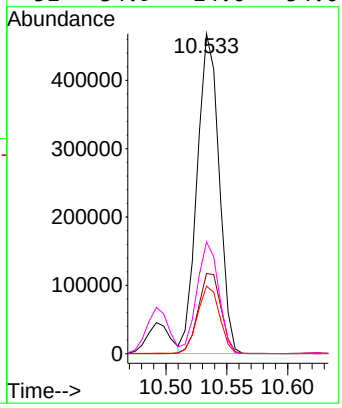
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

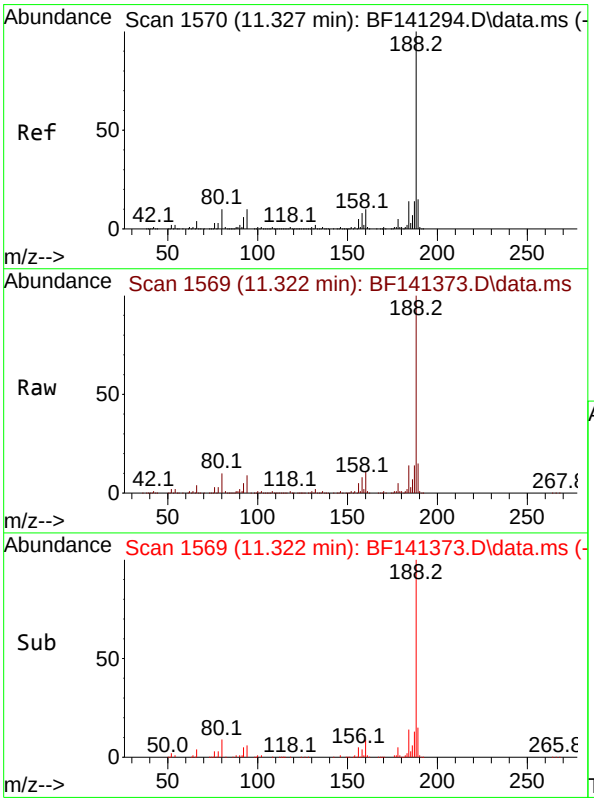
Tgt Ion: 77 Resp: 58580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.1 | 5.1 | 45.1 |
| 105 | 21.1 | 1.8 | 41.8 |
| 51 | 34.9 | 14.0 | 54.0 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

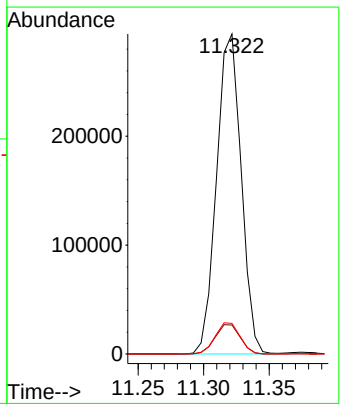


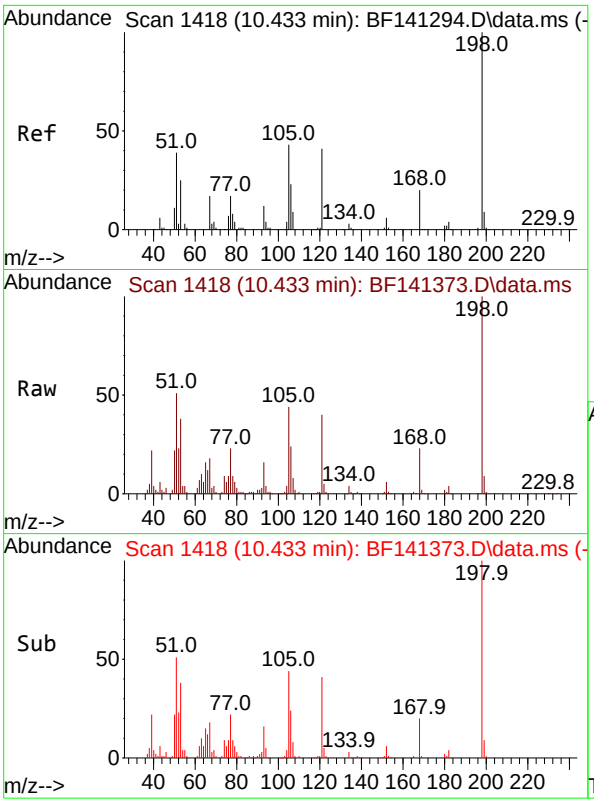




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:188 Resp: 383558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.0 | 7.8 | 11.6 |
| 80 | 9.5 | 8.2 | 12.4 |






#65
4,6-Dinitro-2-methylphenol
Concen: 47.204 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

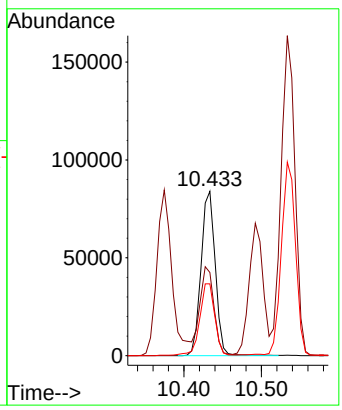
Tgt Ion:198 Resp: 10709

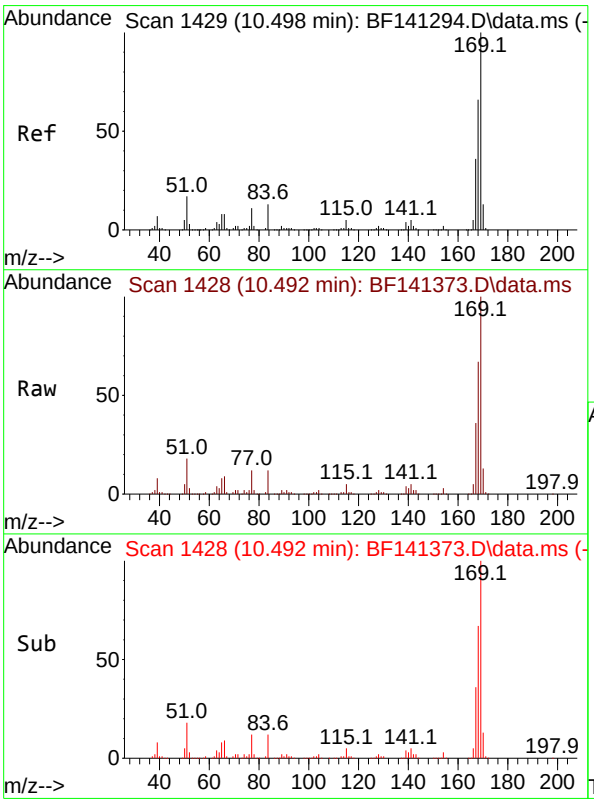
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 50.6 | 33.4 | 73.4 |
| 105 | 43.7 | 24.4 | 64.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

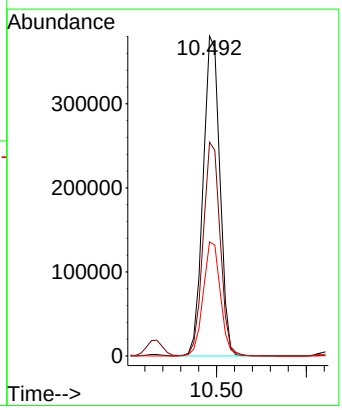


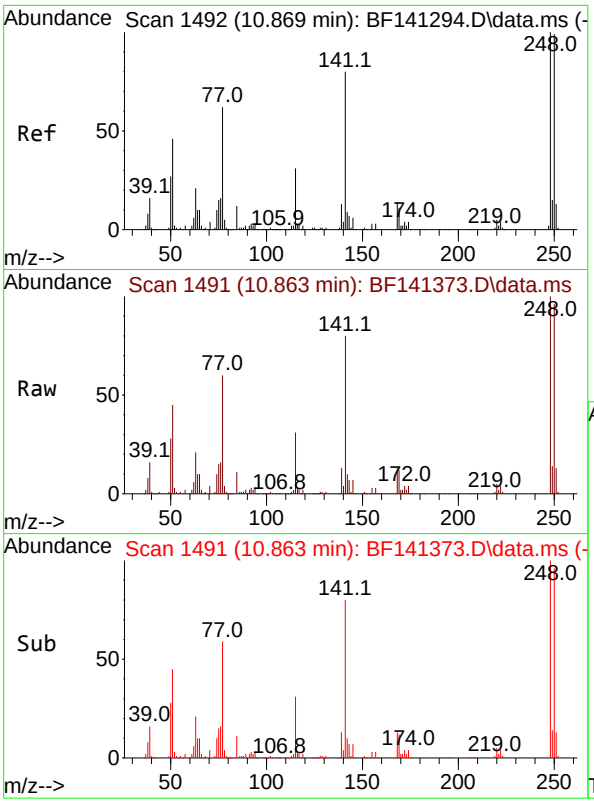




#66
n-Nitrosodiphenylamine
Concen: 39.703 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:169 Resp: 492539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.8 | 53.0 | 79.4 |
| 167 | 35.6 | 28.8 | 43.2 |

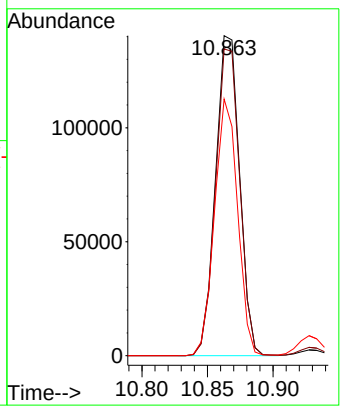





#67
4-Bromophenyl-phenylether
Concen: 41.761 ng
RT: 10.863 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:248 Resp: 17932

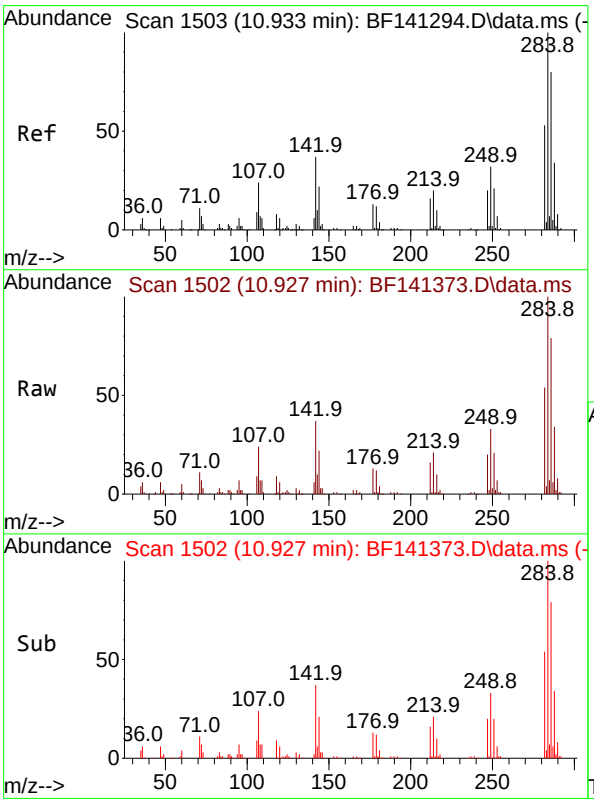
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 95.9 | 79.0 | 118.4 |
| 141 | 80.2 | 63.7 | 95.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

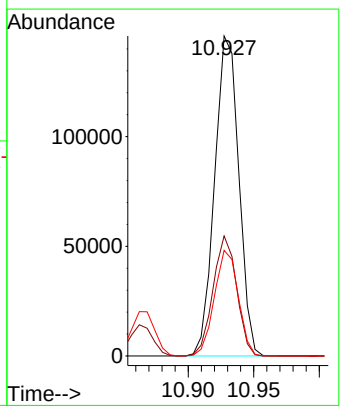
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

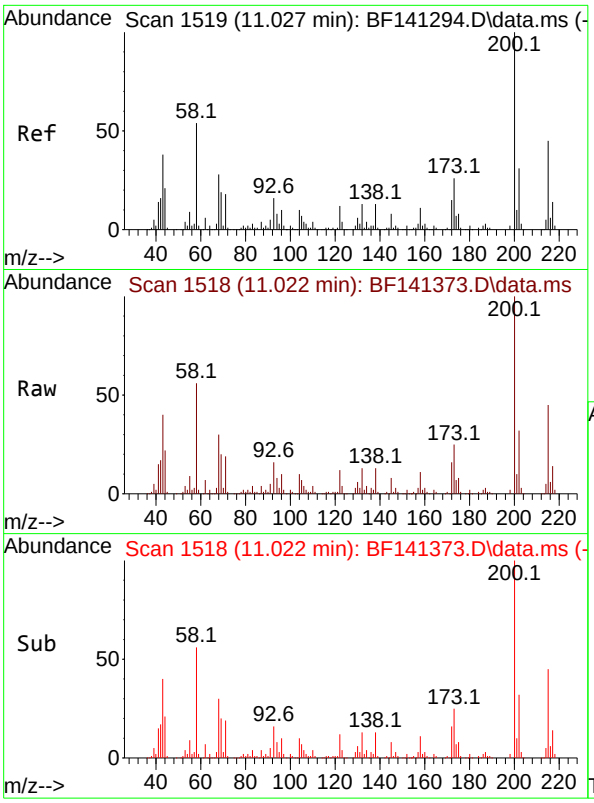



#68
Hexachlorobenzene
Concen: 41.015 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:284 Resp: 186820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 37.5 | 29.5 | 44.3 |
| 249 | 33.0 | 25.4 | 38.2 |






#69
Atrazine
Concen: 40.023 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

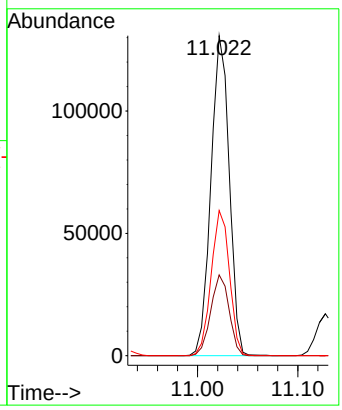
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

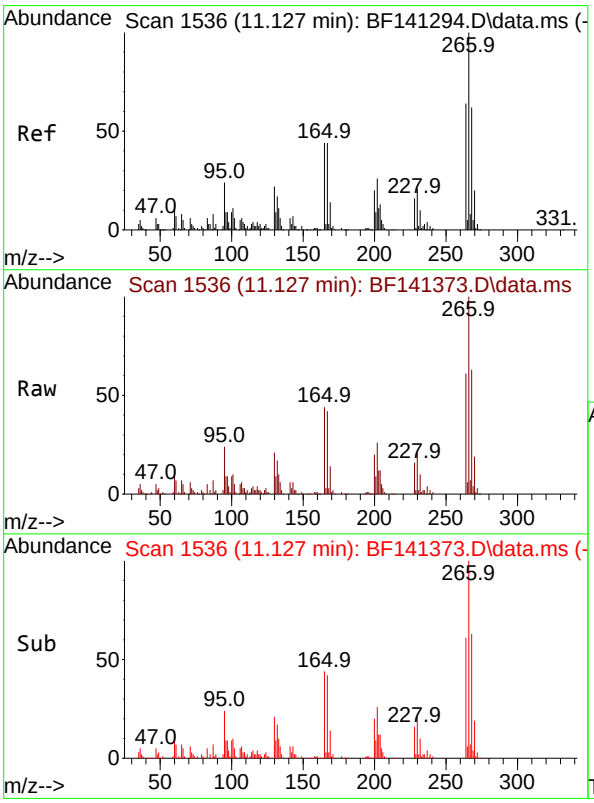
Tgt Ion:200 Resp: 16600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.3 | 5.9 | 45.9 |
| 215 | 45.3 | 25.2 | 65.2 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

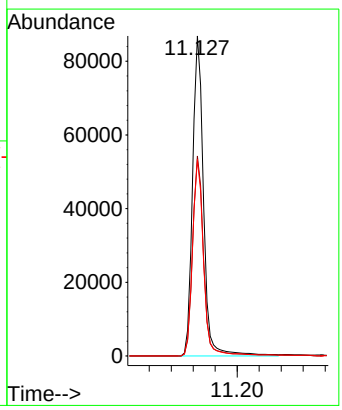


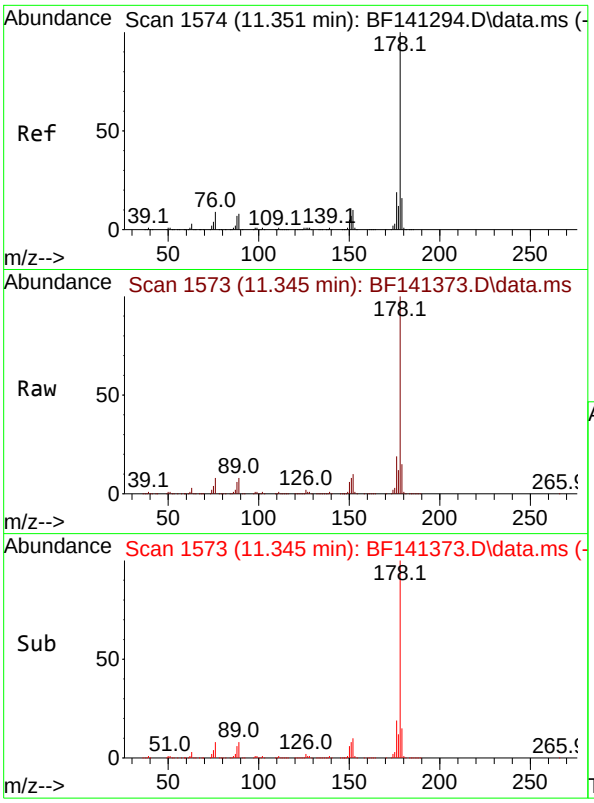




#70
Pentachlorophenol
Concen: 45.068 ng
RT: 11.127 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:266 Resp: 120209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.5 | 49.9 | 74.9 |
| 264 | 61.4 | 51.0 | 76.4 |

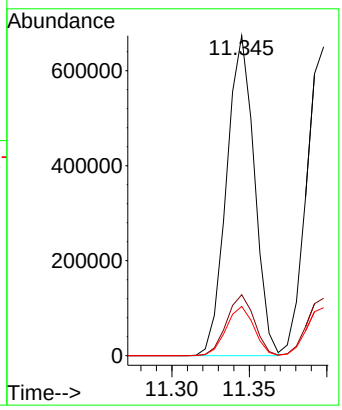





#71
Phenanthrene
Concen: 40.745 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:178 Resp: 84007

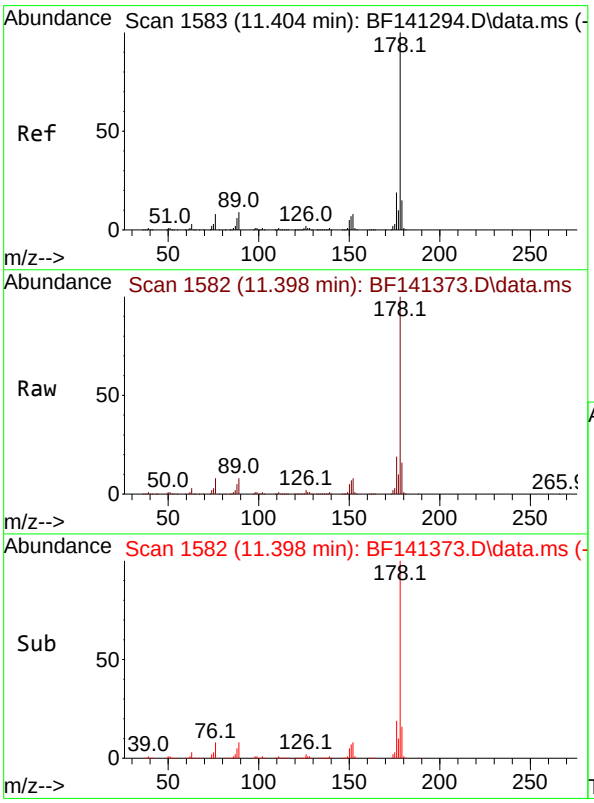
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.3 | 22.9 |
| 179 | 15.4 | 12.5 | 18.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

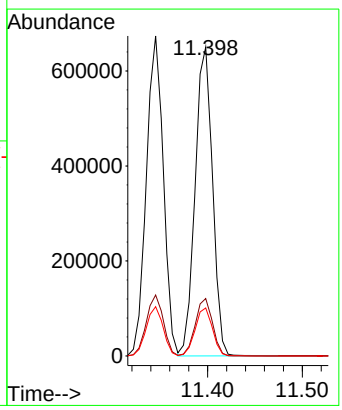
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

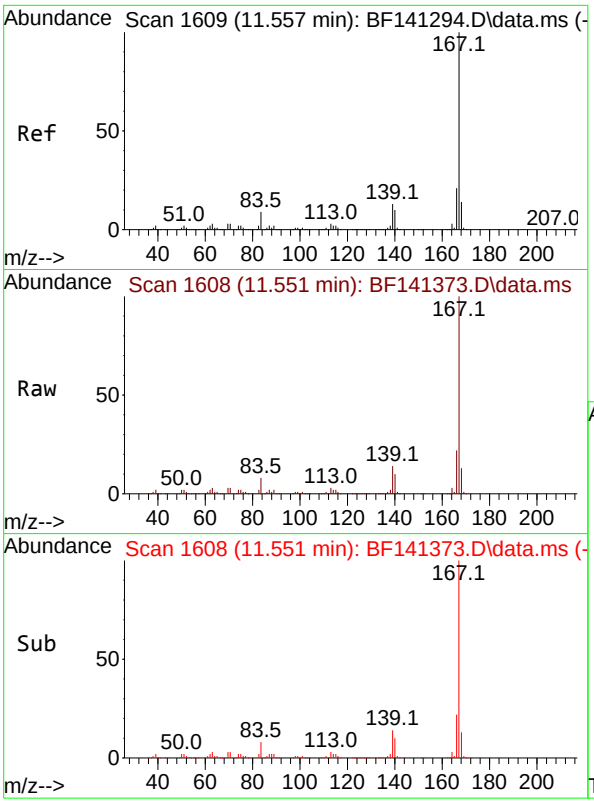



#72
Anthracene
Concen: 41.070 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:178 Resp: 829686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.0 | 22.6 |
| 179 | 15.5 | 12.3 | 18.5 |

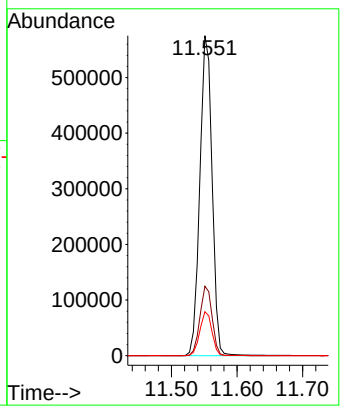





#73
Carbazole
Concen: 41.848 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:167 Resp: 74963

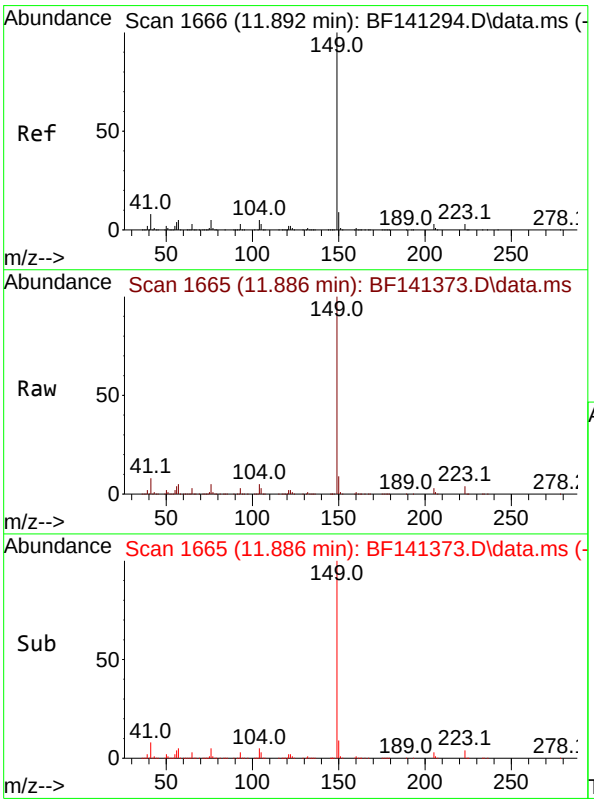
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.7 | 17.0 | 25.6 |
| 139 | 13.8 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

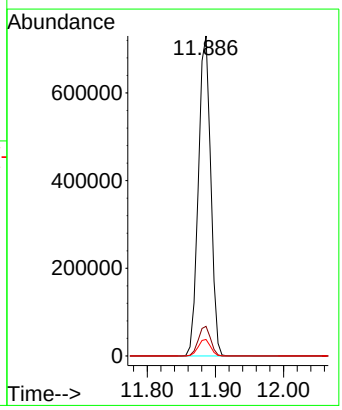
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

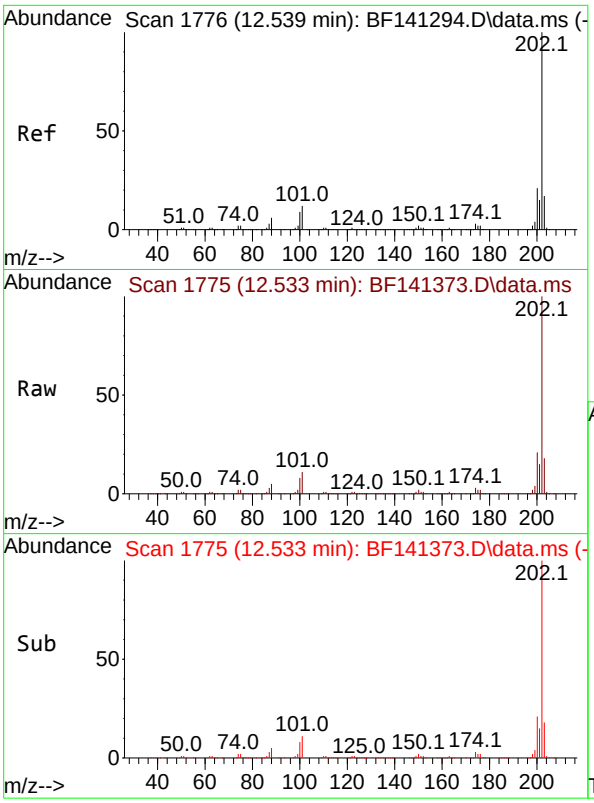



#74
Di-n-butylphthalate
Concen: 42.285 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:149 Resp: 917962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.4 | 11.2 |
| 104 | 5.1 | 3.9 | 5.9 |






#75
Fluoranthene
Concen: 42.335 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

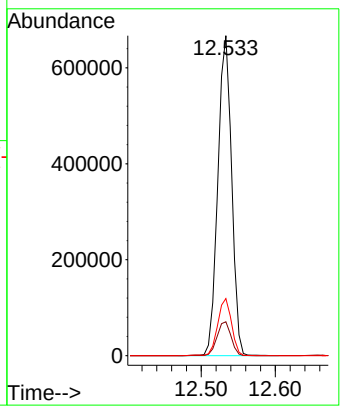
Tgt Ion:202 Resp: 86184

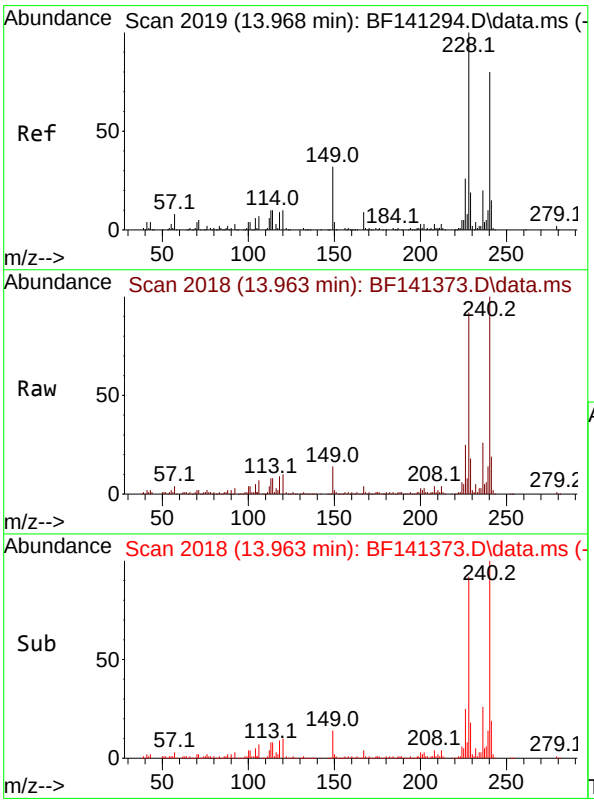
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.6 | 0.0 | 31.7 |
| 203 | 17.8 | 0.0 | 37.5 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

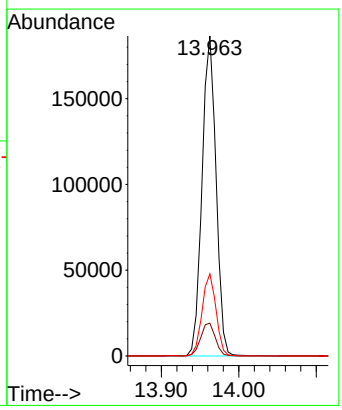


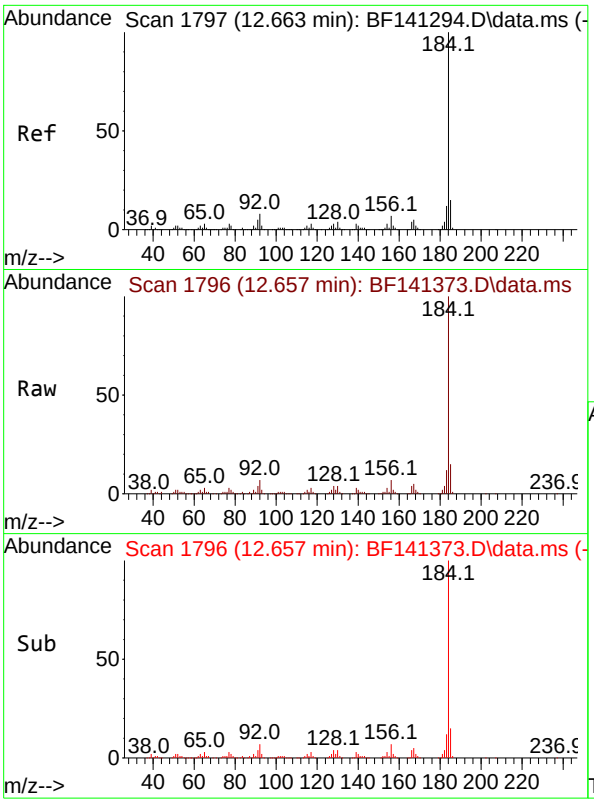




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:240 Resp: 233911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.3 | 10.0 | 15.0 |
| 236 | 25.7 | 19.7 | 29.5 |

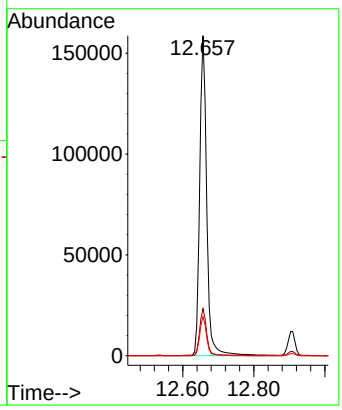





#77
Benzidine
Concen: 29.208 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:184 Resp: 21902

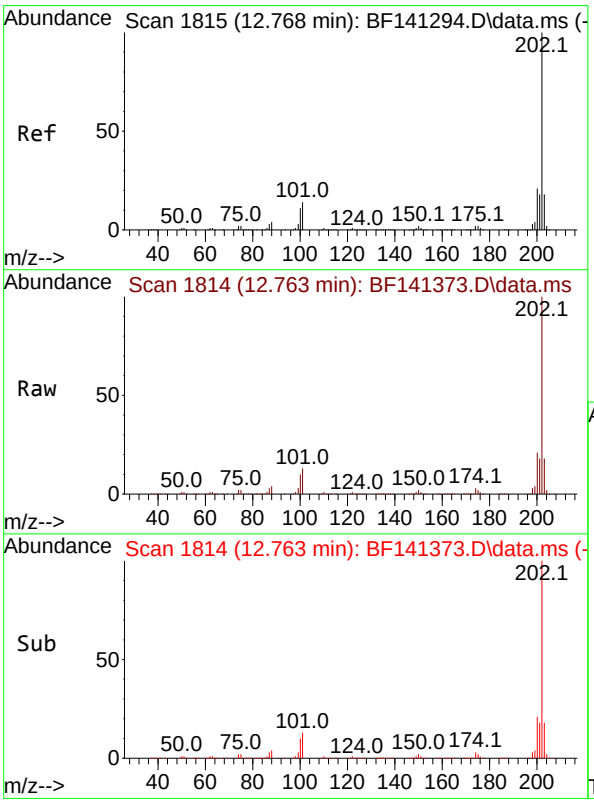
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 11.9 | 17.9 |
| 183 | 12.2 | 9.5 | 14.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

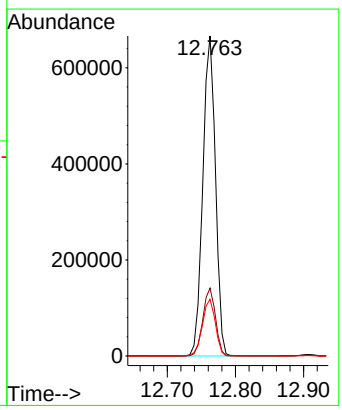
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

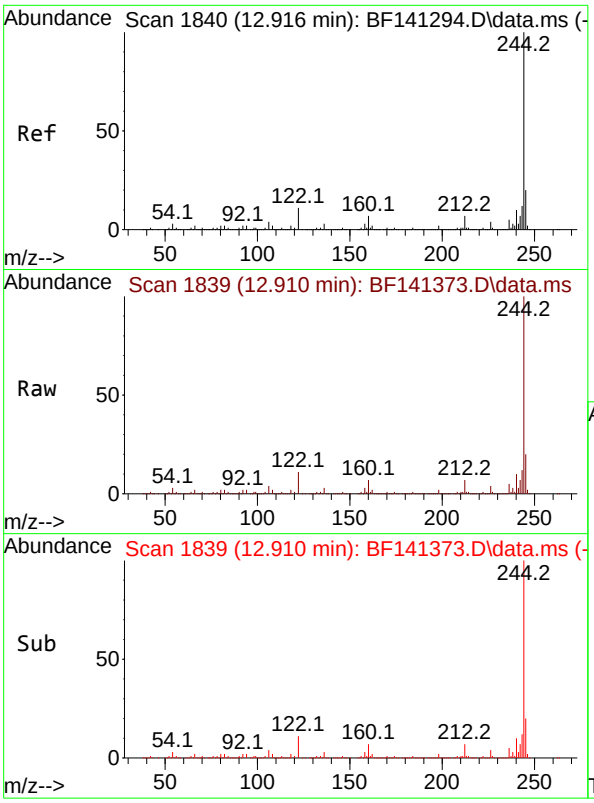



#78
Pyrene
Concen: 38.305 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:202 Resp: 860076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 17.0 | 25.4 |
| 203 | 17.7 | 14.3 | 21.5 |

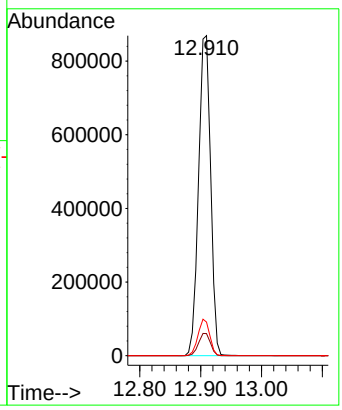





#79
Terphenyl-d14
Concen: 78.604 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:244 Resp: 119222

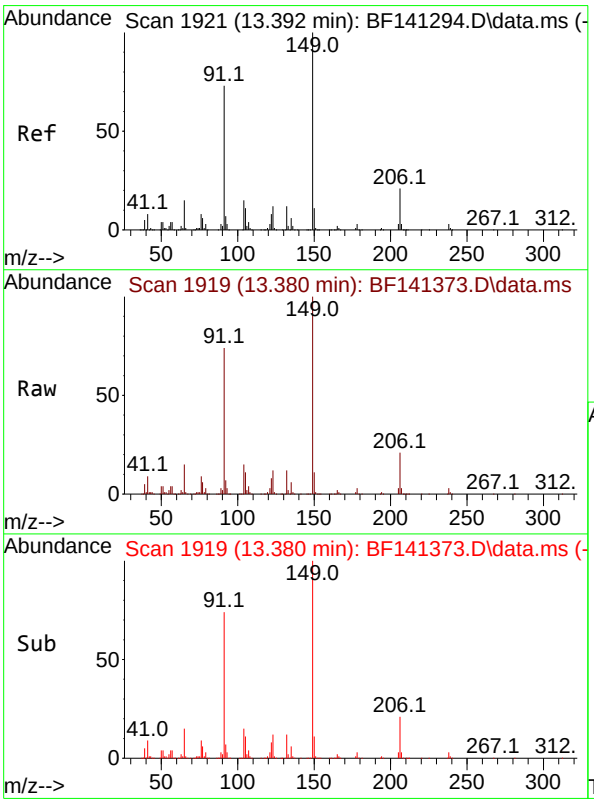
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.4 | 8.0 |
| 122 | 10.5 | 8.8 | 13.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

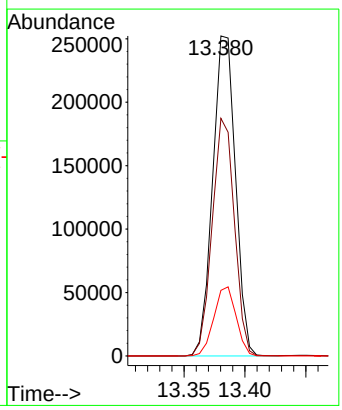
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

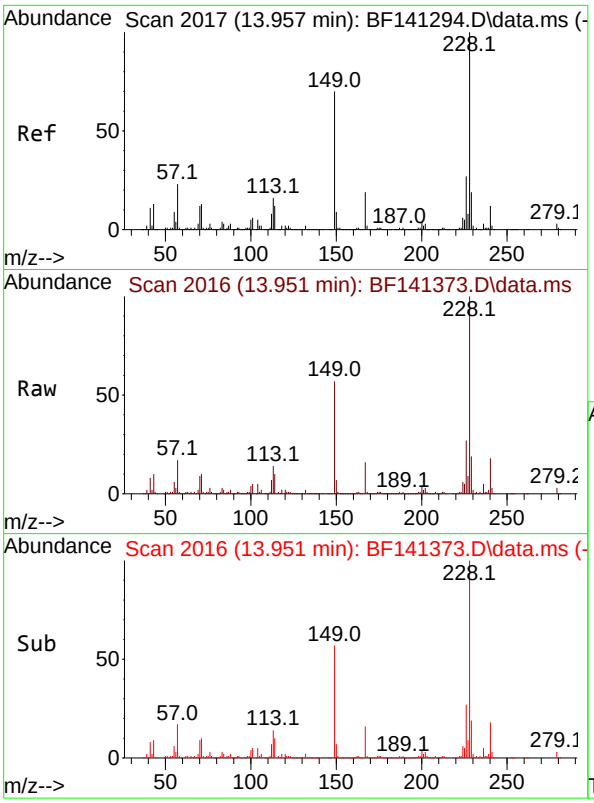



#80
Butylbenzylphthalate
Concen: 41.929 ng
RT: 13.380 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:149 Resp: 328897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 74.2 | 58.6 | 87.8 |
| 206 | 20.5 | 16.7 | 25.1 |






#81
Benzo(a)anthracene
Concen: 37.437 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

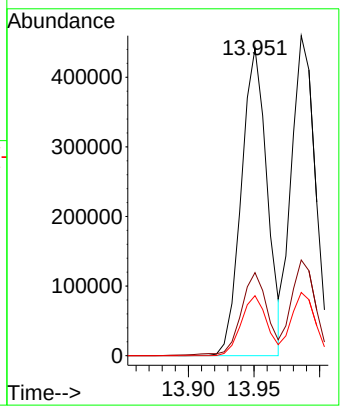
Tgt Ion:228 Resp: 60427

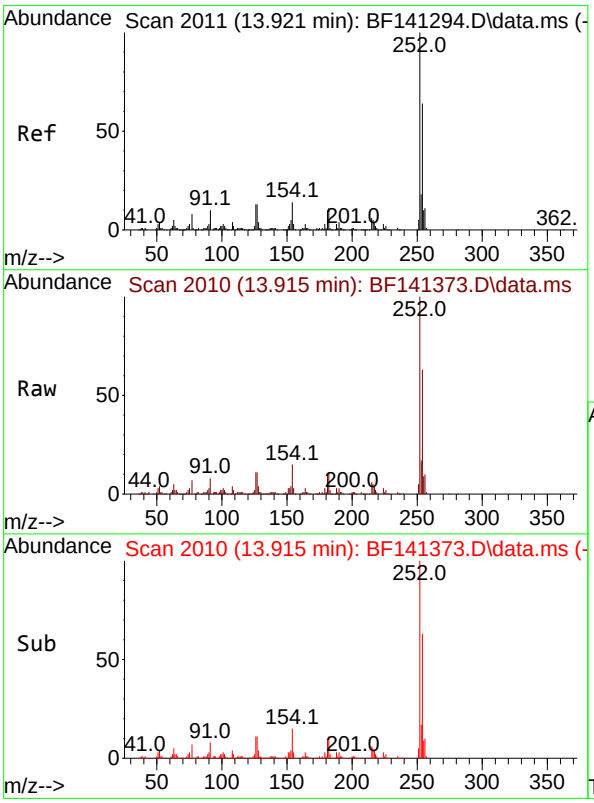
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.0 | 21.4 | 32.2 |
| 229 | 19.5 | 15.5 | 23.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

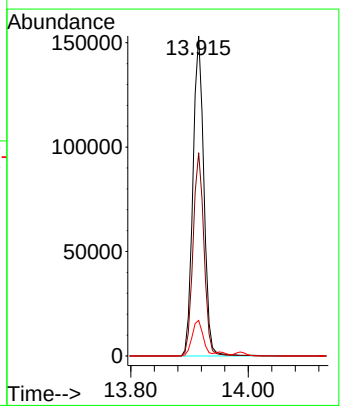


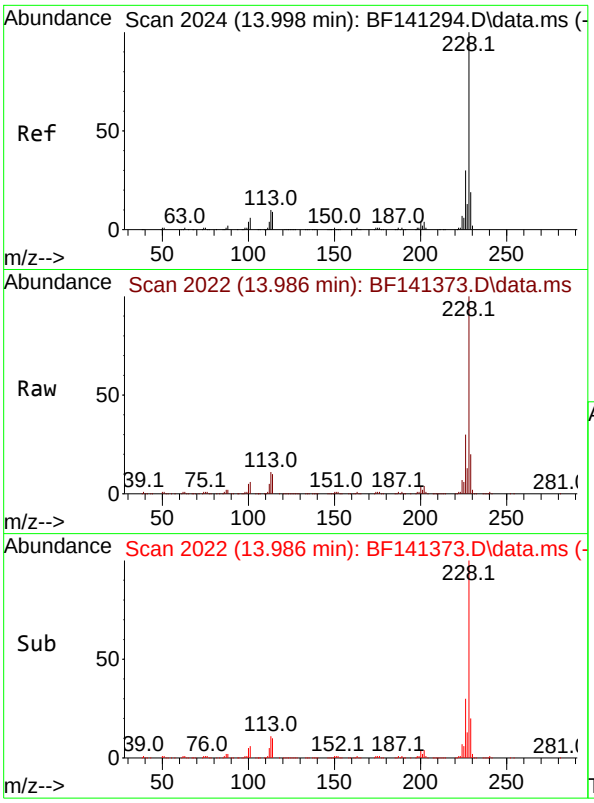




#82
3,3'-Dichlorobenzidine
Concen: 38.639 ng
RT: 13.915 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:252 Resp: 198361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.5 | 51.3 | 76.9 |
| 126 | 11.1 | 10.0 | 15.0 |






#83
Chrysene
Concen: 39.215 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

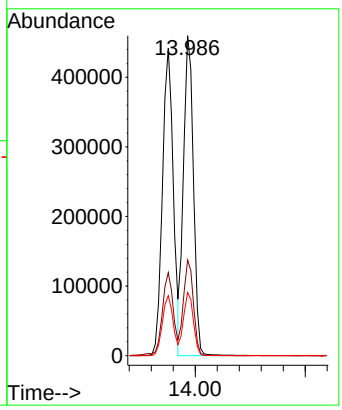
Tgt Ion:228 Resp: 580099

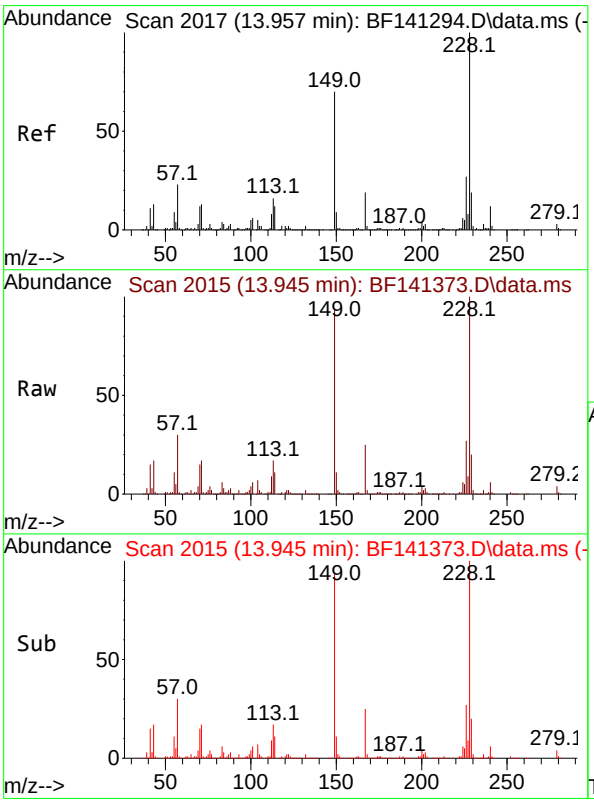
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 24.1 | 36.1 |
| 229 | 19.8 | 15.6 | 23.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

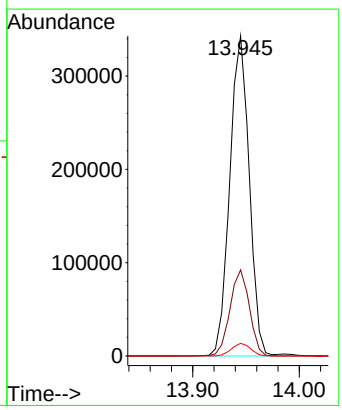


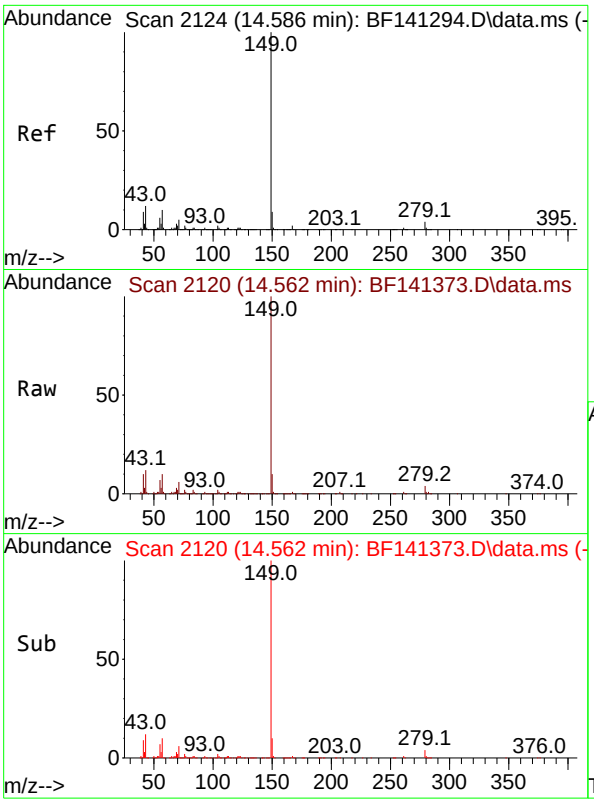




#84
Bis(2-ethylhexyl)phthalate
Concen: 43.840 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:149 Resp: 436237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.9 | 21.8 | 32.8 |
| 279 | 4.0 | 3.3 | 4.9 |

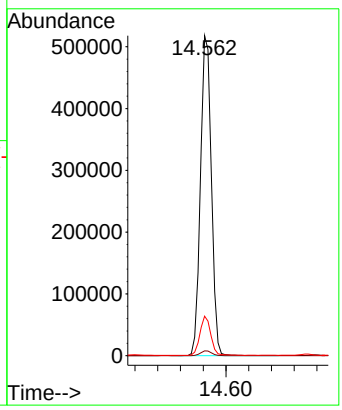





#85
Di-n-octyl phthalate
Concen: 44.601 ng
RT: 14.562 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:149 Resp: 68932

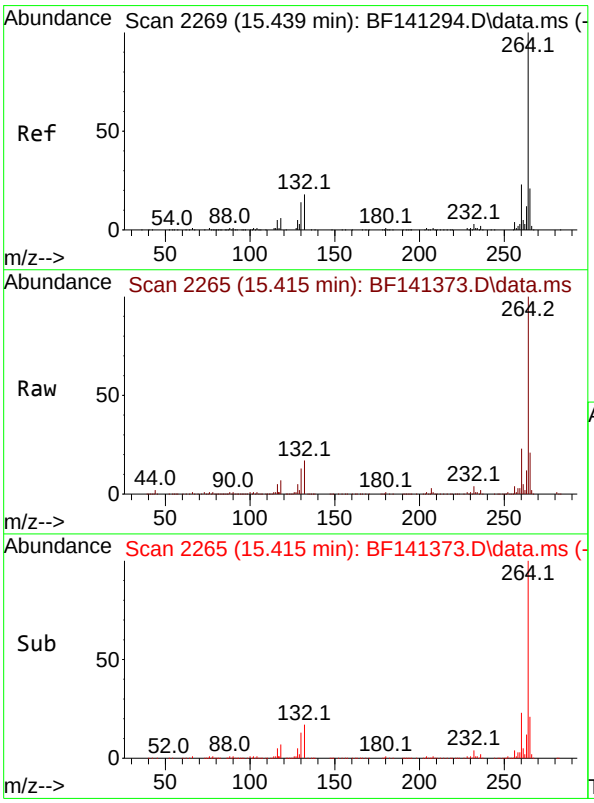
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 12.2 | 9.8 | 14.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

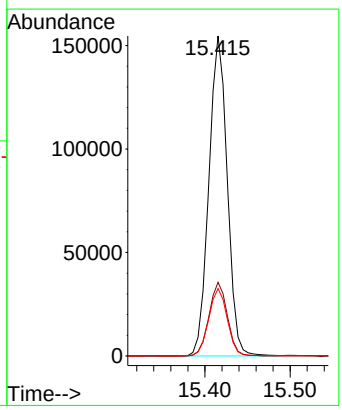
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

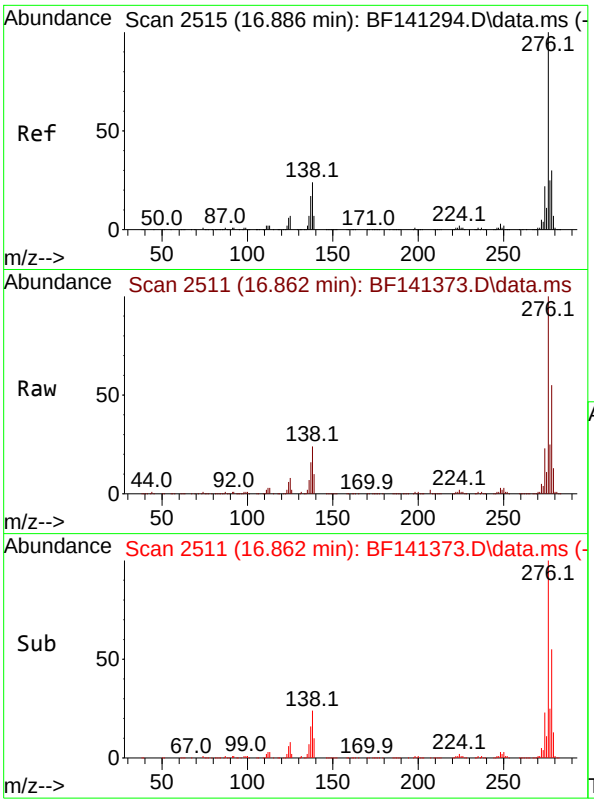



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:264 Resp: 231577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 18.6 | 27.8 |
| 265 | 21.1 | 16.7 | 25.1 |

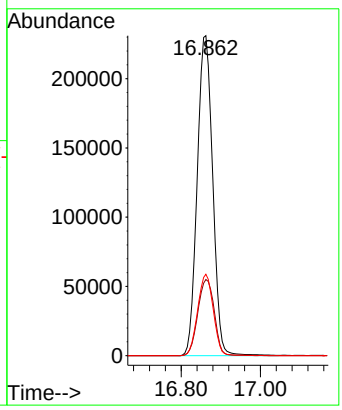





#87
Indeno(1,2,3-cd)pyrene
Concen: 41.938 ng
RT: 16.862 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:276 Resp: 62682

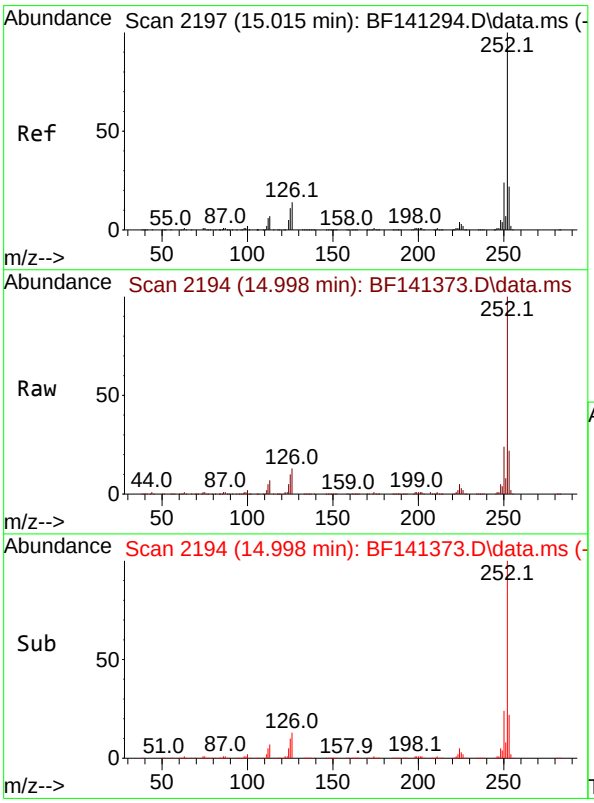
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.3 | 21.7 | 32.5 |
| 277 | 25.7 | 20.3 | 30.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

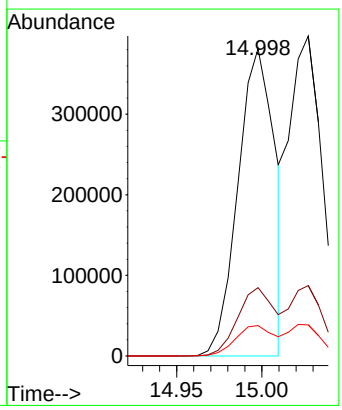
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

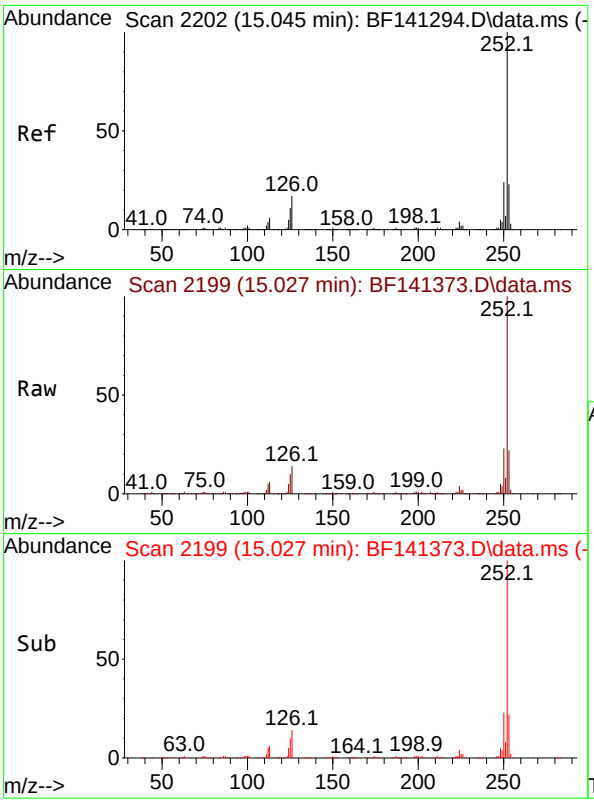



#88
Benzo(b)fluoranthene
Concen: 39.222 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:252 Resp: 571343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.4 | 26.2 |
| 125 | 9.9 | 8.6 | 12.8 |

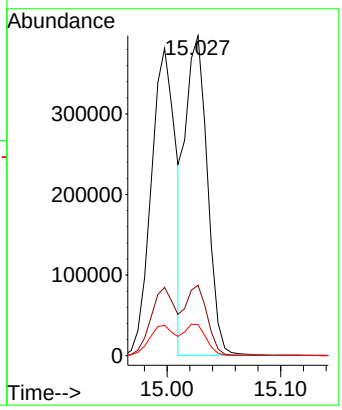





#89
Benzo(k)fluoranthene
Concen: 41.439 ng
RT: 15.027 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:252 Resp: 53474

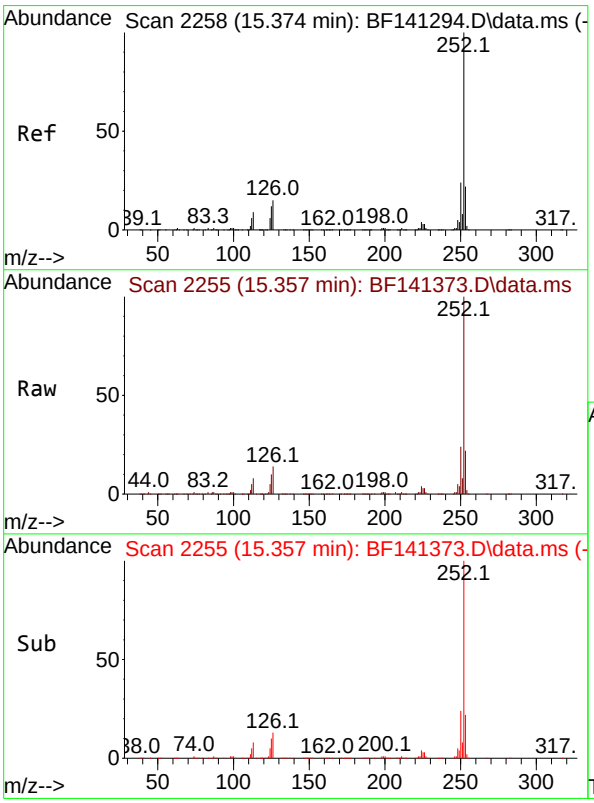
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.6 | 26.4 |
| 125 | 9.7 | 8.4 | 12.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

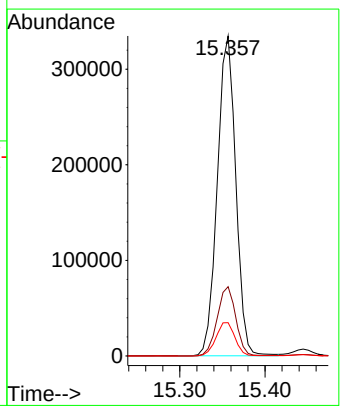
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

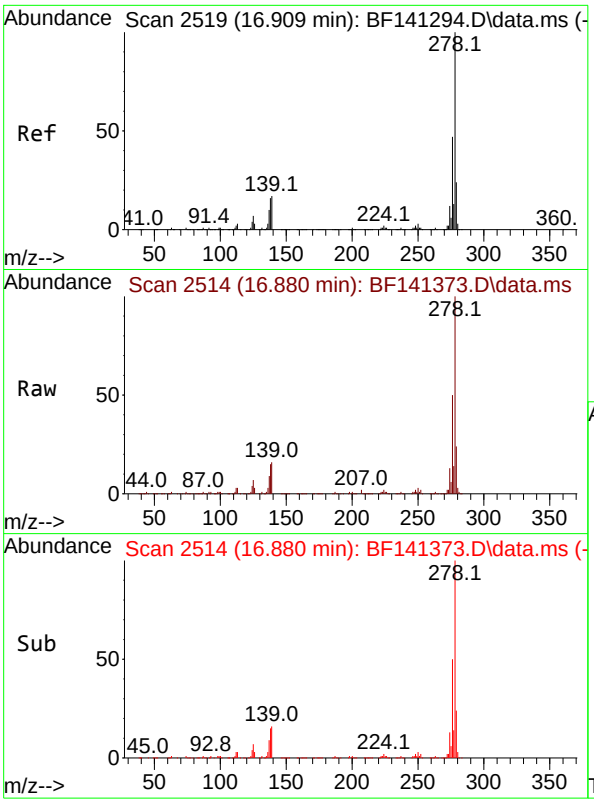



#90
Benzo(a)pyrene
Concen: 40.922 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:252 Resp: 503731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.2 | 25.8 |
| 125 | 10.4 | 9.4 | 14.2 |






#91
Dibenzo(a,h)anthracene
Concen: 42.442 ng
RT: 16.880 min Scan# 2
Delta R.T. -0.041 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

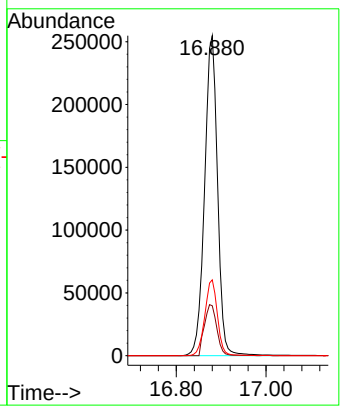
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

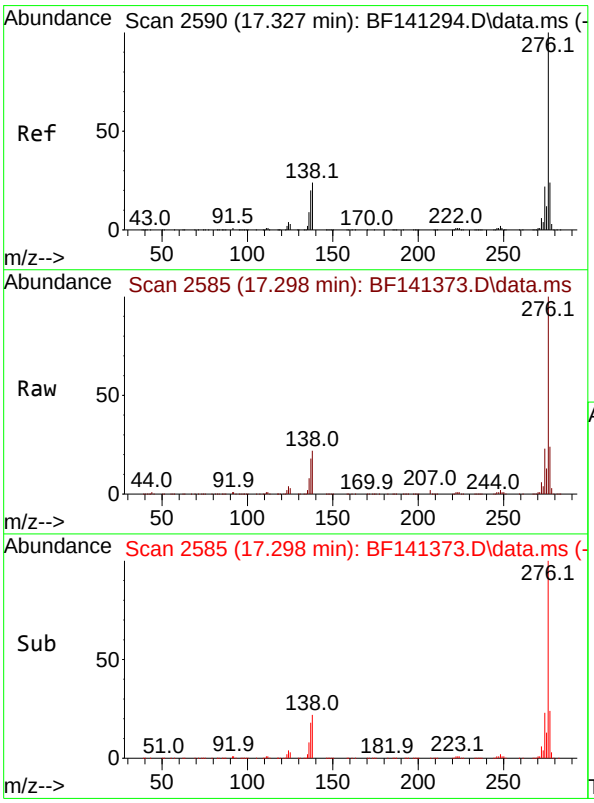
Tgt Ion:278 Resp: 51036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.6 | 13.9 | 20.9 |
| 279 | 23.7 | 18.8 | 28.2 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

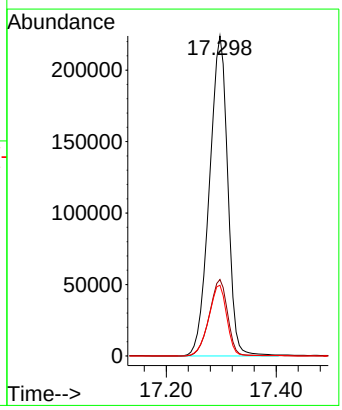



#92
Benzo(g,h,i)perylene
Concen: 41.452 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:276 Resp: 518300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 19.2 | 28.8 |
| 138 | 22.1 | 19.0 | 28.4 |



Sample Results: **BF141373.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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 | 76 | 0.00 |
| 2 | | 1,4-Dioxane | 0.573 | 0.582 | -1.6 | 83 | -0.02 |
| 3 | | Pyridine | 1.380 | 1.232 | 10.7 | 71 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.789 | 0.821 | -4.1 | 83 | -0.04 |
| 5 | S | 2-Fluorophenol | 1.303 | 1.302 | 0.1 | 83 | 0.00 |
| 6 | | Aniline | 1.403 | 1.030 | 26.6# | 58 | -0.01 |
| 7 | S | Phenol-d6 | 1.657 | 1.598 | 3.6 | 80 | 0.00 |
| 8 | | 2-Chlorophenol | 1.396 | 1.391 | 0.4 | 82 | 0.00 |
| 9 | | Benzaldehyde | 0.960 | 1.038 | -8.1 | 88 | 0.00 |
| 10 | C | Phenol | 1.757 | 1.694 | 3.6 | 79 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.347 | 1.310 | 2.7 | 81 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.540 | 1.536 | 0.3 | 82 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.547 | 1.570 | -1.5 | 84 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.448 | 1.471 | -1.6 | 84 | 0.00 |
| 15 | | Benzyl Alcohol | 1.133 | 1.199 | -5.8 | 85 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.342 | 2.192 | 6.4 | 76 | 0.00 |
| 17 | | 2-Methylphenol | 1.135 | 1.109 | 2.3 | 81 | 0.00 |
| 18 | | Hexachloroethane | 0.571 | 0.590 | -3.3 | 85 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.985 | 0.981 | 0.4 | 84 | -0.02 |
| 20 | | 3+4-Methylphenols | 1.393 | 1.420 | -1.9 | 84 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 78 | 0.00 |
| 22 | | Acetophenone | 0.475 | 0.486 | -2.3 | 87 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.379 | 0.382 | -0.8 | 84 | 0.00 |
| 24 | | Nitrobenzene | 0.393 | 0.389 | 1.0 | 81 | -0.01 |
| 25 | | Isophorone | 0.656 | 0.653 | 0.5 | 83 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.185 | 0.188 | -1.6 | 83 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.236 | 0.237 | -0.4 | 82 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.418 | 0.408 | 2.4 | 82 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.289 | 0.293 | -1.4 | 84 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.330 | 0.328 | 0.6 | 84 | 0.00 |
| 31 | | Naphthalene | 1.057 | 1.046 | 1.0 | 83 | -0.01 |
| 32 | | Benzoic acid | 0.217 | 0.233 | -7.4 | 82 | -0.02 |
| 33 | | 4-Chloroaniline | 0.358 | 0.293 | 18.2 | 67 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.194 | 0.204 | -5.2 | 89 | 0.00 |
| 35 | | Caprolactam | 0.094 | 0.096 | -2.1 | 84 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 0.310 | 0.318 | -2.6 | 86 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.672 | 0.672 | 0.0 | 84 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.660 | 0.660 | 0.0 | 85 | -0.01 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.569 | 0.571 | -0.4 | 86 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.168 | 0.186 | -10.7 | 86 | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 0.183 | 0.194 | -6.0 | 90 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.372 | 0.380 | -2.2 | 83 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.405 | 0.413 | -2.0 | 88 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.299 | 1.292 | 0.5 | 87 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.560 | 1.536 | 1.5 | 84 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.216 | 1.196 | 1.6 | 85 | 0.00 |

Sample Results: **BF141373.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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 | 0.382 | 0.388 | -1.6 | 85 | 0.00 |
| 49 | | Acenaphthylene | 1.702 | 1.683 | 1.1 | 84 | -0.01 |
| 50 | | Dimethylphthalate | 1.351 | 1.357 | -0.4 | 88 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.314 | 0.315 | -0.3 | 85 | 0.00 |
| 52 | C | Acenaphthene | 1.216 | 1.226 | -0.8 | 87 | 0.00 |
| 53 | | 3-Nitroaniline | 0.307 | 0.310 | -1.0 | 82 | -0.01 |
| 54 | P | 2,4-Dinitrophenol | 0.146 | 0.170 | -16.4 | 92 | -0.01 |
| 55 | | Dibenzofuran | 1.627 | 1.608 | 1.2 | 85 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.225 | 0.235 | -4.4 | 84 | 0.01 |
| 57 | | 2,4-Dinitrotoluene | 0.406 | 0.423 | -4.2 | 88 | -0.01 |
| 58 | | Fluorene | 1.262 | 1.286 | -1.9 | 88 | -0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.319 | 0.336 | -5.3 | 88 | 0.00 |
| 60 | | Diethylphthalate | 1.310 | 1.346 | -2.7 | 88 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 0.617 | 0.621 | -0.6 | 88 | 0.00 |
| 62 | | 4-Nitroaniline | 0.302 | 0.327 | -8.3 | 90 | -0.01 |
| 63 | | Azobenzene | 1.311 | 1.294 | 1.3 | 85 | -0.01 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.118 | 0.140 | -18.6 | 93 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.647 | 0.642 | 0.8 | 86 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 0.224 | 0.234 | -4.5 | 90 | -0.01 |
| 68 | | Hexachlorobenzene | 0.238 | 0.244 | -2.5 | 89 | -0.01 |
| 69 | | Atrazine | 0.216 | 0.216 | 0.0 | 85 | -0.01 |
| 70 | C | Pentachlorophenol | 0.139 | 0.157 | -12.9 | 92 | 0.00 |
| 71 | | Phenanthrene | 1.075 | 1.095 | -1.9 | 89 | 0.00 |
| 72 | | Anthracene | 1.053 | 1.082 | -2.8 | 90 | 0.00 |
| 73 | | Carbazole | 0.934 | 0.977 | -4.6 | 91 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.132 | 1.197 | -5.7 | 92 | 0.00 |
| 75 | C | Fluoranthene | 1.062 | 1.123 | -5.7 | 93 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 90 | -0.01 |
| 77 | | Benzidine | 0.641 | 0.468 | 27.0# | 58 | 0.00 |
| 78 | | Pyrene | 1.920 | 1.838 | 4.3 | 94 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.297 | 1.274 | 1.8 | 97 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.671 | 0.703 | -4.8 | 101 | -0.01 |
| 81 | | Benzo(a)anthracene | 1.380 | 1.292 | 6.4 | 91 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 0.439 | 0.424 | 3.4 | 91 | -0.01 |
| 83 | | Chrysene | 1.265 | 1.240 | 2.0 | 98 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.851 | 0.932 | -9.5 | 107 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 1.321 | 1.473 | -11.5 | 108 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 83 | -0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.291 | 1.353 | -4.8 | 89 | -0.04 |
| 88 | | Benzo(b)fluoranthene | 1.258 | 1.234 | 1.9 | 91 | -0.02 |
| 89 | | Benzo(k)fluoranthene | 1.114 | 1.155 | -3.7 | 88 | -0.02 |
| 90 | C | Benzo(a)pyrene | 1.063 | 1.088 | -2.4 | 89 | -0.02 |
| 91 | | Dibenzo(a,h)anthracene | 1.039 | 1.102 | -6.1 | 90 | -0.04 |
| 92 | | Benzo(g,h,i)perylene | 1.080 | 1.119 | -3.6 | 89 | -0.05 |

Sample Results: **BF141373.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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: **BF141373.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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 | 76 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 40.599 | -1.5 | 83 | -0.02 |
| 3 | | Pyridine | 40.000 | 35.706 | 10.7 | 71 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.662 | -4.2 | 83 | -0.04 |
| 5 | S | 2-Fluorophenol | 80.000 | 79.968 | 0.0 | 83 | 0.00 |
| 6 | | Aniline | 40.000 | 29.356 | 26.6# | 58 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 77.133 | 3.6 | 80 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.841 | 0.4 | 82 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 43.247 | -8.1 | 88 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.559 | 3.6 | 79 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.887 | 2.8 | 81 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.899 | 0.3 | 82 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.605 | -1.5 | 84 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.620 | -1.5 | 84 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 42.330 | -5.8 | 85 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.424 | 6.4 | 76 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.098 | 2.3 | 81 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 41.378 | -3.4 | 85 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.842 | 0.4 | 84 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.751 | -1.9 | 84 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 78 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.923 | -2.3 | 87 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 80.499 | -0.6 | 84 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.612 | 1.0 | 81 | -0.01 |
| 25 | | Isophorone | 40.000 | 39.816 | 0.5 | 83 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.576 | -1.4 | 83 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.168 | -0.4 | 82 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.010 | 2.5 | 82 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.508 | -1.3 | 84 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.757 | 0.6 | 84 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.616 | 1.0 | 83 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 42.934 | -7.3 | 82 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 32.676 | 18.3 | 67 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.128 | -5.3 | 89 | 0.00 |
| 35 | | Caprolactam | 40.000 | 40.764 | -1.9 | 84 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.066 | -2.7 | 86 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.024 | -0.1 | 84 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 40.034 | -0.1 | 85 | -0.01 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 80 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.167 | -0.4 | 86 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 44.173 | -10.4 | 86 | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 84.706 | -5.9 | 90 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 40.768 | -1.9 | 83 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.747 | -1.9 | 88 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 79.517 | 0.6 | 87 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.393 | 1.5 | 84 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.346 | 1.6 | 85 | 0.00 |

Sample Results: **BF141373.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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 | 40.613 | -1.5 | 85 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.561 | 1.1 | 84 | -0.01 |
| 50 | | Dimethylphthalate | 40.000 | 40.182 | -0.5 | 88 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 40.128 | -0.3 | 85 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 40.321 | -0.8 | 87 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 40.403 | -1.0 | 82 | -0.01 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 46.667 | -16.7 | 92 | -0.01 |
| 55 | | Dibenzofuran | 40.000 | 39.528 | 1.2 | 85 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 41.887 | -4.7 | 84 | 0.01 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.657 | -4.1 | 88 | -0.01 |
| 58 | | Fluorene | 40.000 | 40.737 | -1.8 | 88 | -0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 42.131 | -5.3 | 88 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 41.105 | -2.8 | 88 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 40.268 | -0.7 | 88 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 43.258 | -8.1 | 90 | -0.01 |
| 63 | | Azobenzene | 40.000 | 39.486 | 1.3 | 85 | -0.01 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 84 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 47.204 | -18.0 | 93 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.703 | 0.7 | 86 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 41.761 | -4.4 | 90 | -0.01 |
| 68 | | Hexachlorobenzene | 40.000 | 41.015 | -2.5 | 89 | -0.01 |
| 69 | | Atrazine | 40.000 | 40.023 | -0.1 | 85 | -0.01 |
| 70 | C | Pentachlorophenol | 40.000 | 45.068 | -12.7 | 92 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 40.745 | -1.9 | 89 | 0.00 |
| 72 | | Anthracene | 40.000 | 41.070 | -2.7 | 90 | 0.00 |
| 73 | | Carbazole | 40.000 | 41.848 | -4.6 | 91 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 42.285 | -5.7 | 92 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 42.335 | -5.8 | 93 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 90 | -0.01 |
| 77 | | Benzidine | 40.000 | 29.208 | 27.0# | 58 | 0.00 |
| 78 | | Pyrene | 40.000 | 38.305 | 4.2 | 94 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 78.604 | 1.7 | 97 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 41.929 | -4.8 | 101 | -0.01 |
| 81 | | Benzo(a)anthracene | 40.000 | 37.437 | 6.4 | 91 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 38.639 | 3.4 | 91 | -0.01 |
| 83 | | Chrysene | 40.000 | 39.215 | 2.0 | 98 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.840 | -9.6 | 107 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 44.601 | -11.5 | 108 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 83 | -0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.938 | -4.8 | 89 | -0.04 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 39.222 | 1.9 | 91 | -0.02 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 41.439 | -3.6 | 88 | -0.02 |
| 90 | C | Benzo(a)pyrene | 40.000 | 40.922 | -2.3 | 89 | -0.02 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 42.442 | -6.1 | 90 | -0.04 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 41.452 | -3.6 | 89 | -0.05 |

Sample Results: **BF141373.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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

Raw Data: **BF141398.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 10:42

Lab File ID: BF141398.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.303 | 1.302 | | -0.1 | |
| Benzaldehyde | 0.960 | 0.893 | | -7.0 | |
| Phenol-d6 | 1.657 | 1.560 | | -5.9 | |
| Phenol | 1.757 | 1.650 | | -6.1 | 20.0 |
| bis(2-Chloroethyl)ether | 1.347 | 1.262 | | -6.3 | |
| 2-Chlorophenol | 1.396 | 1.387 | | -0.6 | |
| 2-Methylphenol | 1.135 | 1.074 | | -5.4 | |
| 2,2-oxybis(1-Chloropropane) | 2.342 | 2.108 | | -10.0 | |
| Acetophenone | 0.475 | 0.491 | | 3.4 | |
| 3+4-Methylphenols | 1.393 | 1.375 | | -1.3 | |
| n-Nitroso-di-n-propylamine | 0.985 | 0.929 | 0.050 | -5.7 | |
| Nitrobenzene-d5 | 0.379 | 0.391 | | 3.2 | |
| Hexachloroethane | 0.571 | 0.583 | | 2.1 | |
| Nitrobenzene | 0.393 | 0.398 | | 1.3 | |
| Isophorone | 0.656 | 0.643 | | -2.0 | |
| 2-Nitrophenol | 0.185 | 0.185 | | 0.0 | 20.0 |
| 2,4-Dimethylphenol | 0.236 | 0.230 | | -2.5 | |
| bis(2-Chloroethoxy)methane | 0.418 | 0.403 | | -3.6 | |
| 2,4-Dichlorophenol | 0.289 | 0.296 | | 2.4 | 20.0 |
| Naphthalene | 1.057 | 1.061 | | 0.4 | |
| 4-Chloroaniline | 0.358 | 0.347 | | -3.1 | |
| Hexachlorobutadiene | 0.194 | 0.208 | | 7.2 | 20.0 |
| Caprolactam | 0.094 | 0.093 | | -1.1 | |
| 4-Chloro-3-methylphenol | 0.310 | 0.325 | | 4.8 | 20.0 |
| 2-Methylnaphthalene | 0.672 | 0.684 | | 1.8 | |
| Hexachlorocyclopentadiene | 0.168 | 0.185 | 0.050 | 10.1 | |
| 2,4,6-Trichlorophenol | 0.372 | 0.382 | | 2.7 | 20.0 |
| 2-Fluorobiphenyl | 1.299 | 1.328 | | 2.2 | |
| 2,4,5-Trichlorophenol | 0.405 | 0.421 | | 4.0 | |
| 1,1-Biphenyl | 1.560 | 1.563 | | 0.2 | |
| 2-Chloronaphthalene | 1.216 | 1.209 | | -0.6 | |
| 2-Nitroaniline | 0.382 | 0.390 | | 2.1 | |
| Dimethylphthalate | 1.351 | 1.371 | | 1.5 | |
| Acenaphthylene | 1.702 | 1.717 | | 0.9 | |
| 2,6-Dinitrotoluene | 0.314 | 0.321 | | 2.2 | |
| 3-Nitroaniline | 0.307 | 0.321 | | 4.6 | |
| Acenaphthene | 1.216 | 1.256 | | 3.3 | 20.0 |
| 2,4-Dinitrophenol | 0.146 | 0.165 | 0.050 | 13.0 | |
| 4-Nitrophenol | 0.225 | 0.257 | 0.050 | 14.2 | |

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 10:42

Lab File ID: BF141398.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dibenzofuran | 1.627 | 1.669 | | 2.6 | |
| 2,4-Dinitrotoluene | 0.406 | 0.441 | | 8.6 | |
| Diethylphthalate | 1.310 | 1.374 | | 4.9 | |
| 4-Chlorophenyl-phenylether | 0.617 | 0.648 | | 5.0 | |
| Fluorene | 1.262 | 1.306 | | 3.5 | |
| 4-Nitroaniline | 0.302 | 0.344 | | 13.9 | |
| 4,6-Dinitro-2-methylphenol | 0.118 | 0.137 | | 16.1 | |
| n-Nitrosodiphenylamine | 0.647 | 0.634 | | -2.0 | 20.0 |
| 2,4,6-Tribromophenol | 0.183 | 0.202 | | 10.4 | |
| 4-Bromophenyl-phenylether | 0.224 | 0.225 | | 0.4 | |
| Hexachlorobenzene | 0.238 | 0.243 | | 2.1 | |
| Atrazine | 0.216 | 0.214 | | -0.9 | |
| Pentachlorophenol | 0.139 | 0.161 | | 15.8 | 20.0 |
| Phenanthrene | 1.075 | 1.109 | | 3.2 | |
| Anthracene | 1.053 | 1.092 | | 3.7 | |
| Carbazole | 0.934 | 1.029 | | 10.1 | |
| Di-n-butylphthalate | 1.132 | 1.214 | | 7.2 | |
| Fluoranthene | 1.062 | 1.240 | | 16.8 | 20.0 |
| Pyrene | 1.920 | 1.729 | | -9.9 | |
| Terphenyl-d14 | 1.297 | 1.200 | | -7.5 | |
| Butylbenzylphthalate | 0.671 | 0.691 | | 3.0 | |
| 3,3-Dichlorobenzidine | 0.439 | 0.412 | | -6.2 | |
| Benzo(a)anthracene | 1.380 | 1.305 | | -5.4 | |
| Chrysene | 1.265 | 1.270 | | 0.4 | |
| Bis(2-ethylhexyl)phthalate | 0.851 | 0.910 | | 6.9 | |
| Di-n-octyl phthalate | 1.321 | 1.415 | | 7.1 | 20.0 |
| Benzo(b)fluoranthene | 1.258 | 1.341 | | 6.6 | |
| Benzo(k)fluoranthene | 1.114 | 1.140 | | 2.3 | |
| Benzo(a)pyrene | 1.063 | 1.072 | | 0.8 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.291 | 1.338 | | 3.6 | |
| Dibenzo(a,h)anthracene | 1.039 | 1.068 | | 2.8 | |
| Benzo(g,h,i)perylene | 1.080 | 1.113 | | 3.1 | |
| 1,2,4,5-Tetrachlorobenzene | 0.569 | 0.587 | | 3.2 | |
| 1,4-Dioxane | 0.573 | 0.555 | | -3.1 | 20.0 |
| 2,3,4,6-Tetrachlorophenol | 0.319 | 0.341 | | 6.9 | |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.793 | 152 | 87552 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.075 | 136 | 331835 | 20.000 | ng | | #-0.01 |
| 39) Acenaphthene-d10 | 9.828 | 164 | 180473 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.316 | 188 | 318826 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 13.963 | 240 | 235294 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 15.421 | 264 | 201713 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.404 | 112 | 455924 | 79.945 | ng | | 0.00 |
| 7) Phenol-d6 | 6.434 | 99 | 546451 | 75.322 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.357 | 82 | 519110 | 82.468 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.622 | 330 | 145841 | 88.147 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.151 | 172 | 958786 | 81.771 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.904 | 244 | 1129373 | 74.022 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.440 | 88 | 97099 | 38.714 | ng | | 98 |
| 3) Pyridine | 3.175 | 79 | 222403 | 36.803 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.122 | 42 | 142862m | 41.383 | ng | | |
| 6) Aniline | 6.451 | 93 | 220322 | 35.876 | ng | # | 16 |
| 8) 2-Chlorophenol | 6.581 | 128 | 242879 | 39.734 | ng | | 96 |
| 9) Benzaldehyde | 6.340 | 77 | 156434 | 37.226 | ng | | 99 |
| 10) Phenol | 6.445 | 94 | 288967 | 37.574 | ng | # | 71 |
| 11) bis(2-Chloroethyl)ether | 6.528 | 93 | 221049 | 37.487 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.734 | 146 | 262908 | 39.009 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.810 | 146 | 269514 | 39.806 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 6.963 | 146 | 251753 | 39.708 | ng | | 99 |
| 15) Benzyl Alcohol | 6.934 | 79 | 203978 | 41.142 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.069 | 45 | 369176 | 36.004 | ng | | 80 |
| 17) 2-Methylphenol | 7.057 | 107 | 188055 | 37.854 | ng | # | 92 |
| 18) Hexachloroethane | 7.304 | 117 | 102015 | 40.842 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.204 | 70 | 162661 | 37.733 | ng | | 100 |
| 20) 3+4-Methylphenols | 7.210 | 107 | 240839 | 39.483 | ng | # | 88 |
| 22) Acetophenone | 7.198 | 105 | 326166 | 41.351 | ng | # | 98 |
| 24) Nitrobenzene | 7.375 | 77 | 264172 | 40.497 | ng | | 100 |
| 25) Isophorone | 7.610 | 82 | 426672 | 39.213 | ng | | 99 |
| 26) 2-Nitrophenol | 7.692 | 139 | 122977 | 39.973 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.734 | 122 | 152342m | 38.904 | ng | | |
| 28) bis(2-Chloroethoxy)met... | 7.828 | 93 | 267181 | 38.495 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.939 | 162 | 196668 | 41.025 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.016 | 180 | 222442 | 40.631 | ng | | 99 |
| 31) Naphthalene | 8.098 | 128 | 703917 | 40.155 | ng | | 100 |
| 32) Benzoic acid | 7.845 | 122 | 152241 | 42.292 | ng | | 100 |
| 33) 4-Chloroaniline | 8.151 | 127 | 230545 | 38.783 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.216 | 225 | 137723 | 42.897 | ng | | 99 |
| 35) Caprolactam | 8.510 | 113 | 62051 | 39.634 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.634 | 107 | 215967 | 42.000 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.787 | 142 | 453714 | 40.722 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.886 | 142 | 443121 | 40.487 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.951 | 216 | 211825 | 41.257 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 8.939 | 237 | 66678 | 43.974 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.069 | 196 | 137805 | 41.007 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

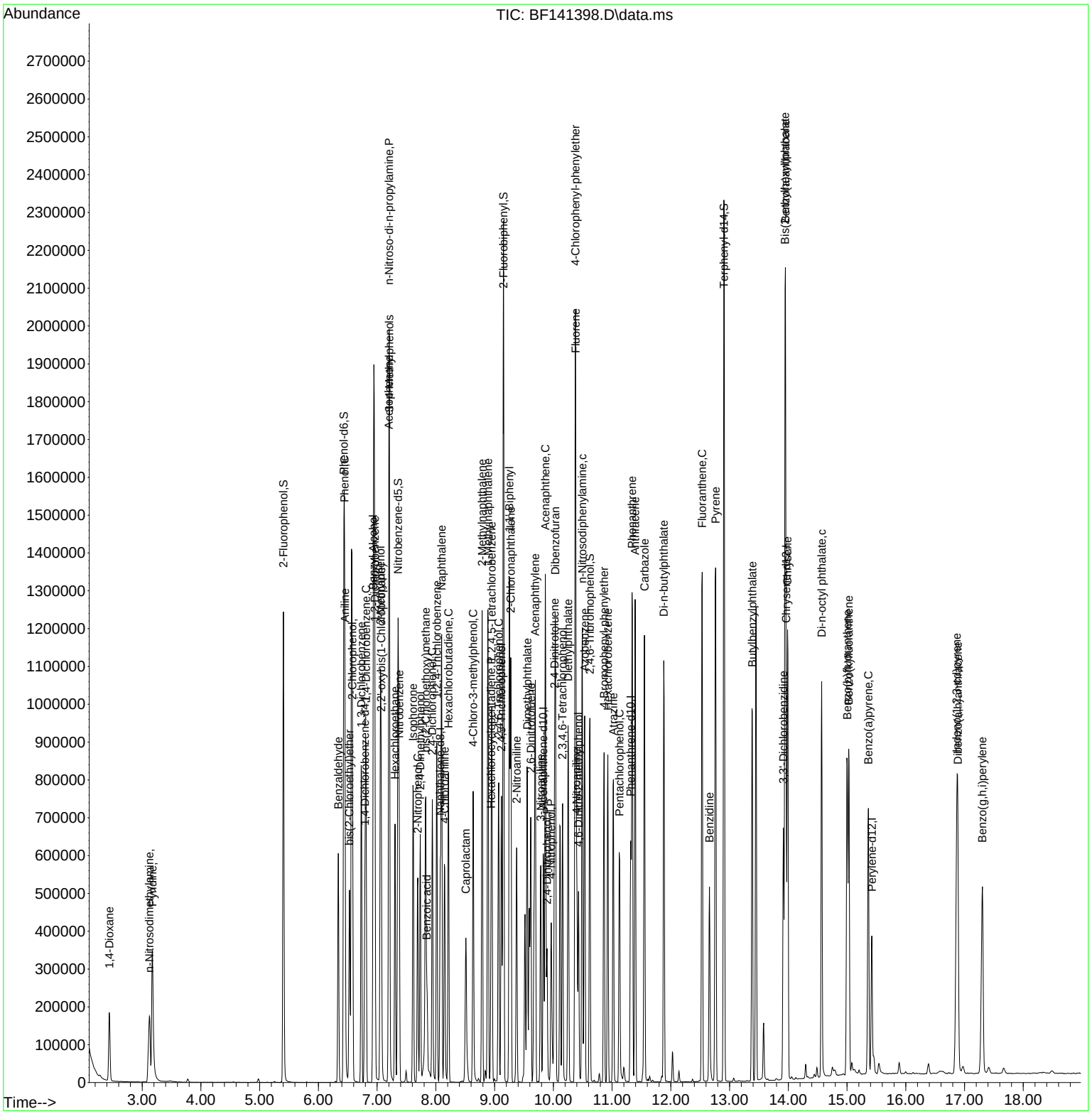
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.116 | 196 | 152071 | 41.577 | ng | 100 |
| 46) 1,1'-Biphenyl | 9.251 | 154 | 564241 | 40.089 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.275 | 162 | 436455 | 39.785 | ng | 99 |
| 48) 2-Nitroaniline | 9.375 | 65 | 140664 | 40.764 | ng | 99 |
| 49) Acenaphthylene | 9.692 | 152 | 619791 | 40.360 | ng | 100 |
| 50) Dimethylphthalate | 9.557 | 163 | 494930 | 40.604 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.616 | 165 | 115835 | 40.929 | ng | 98 |
| 52) Acenaphthene | 9.863 | 154 | 453408 | 41.328 | ng | 100 |
| 53) 3-Nitroaniline | 9.786 | 138 | 115797 | 41.746 | ng | 98 |
| 54) 2,4-Dinitrophenol | 9.892 | 184 | 59519 | 45.240 | ng | 92 |
| 55) Dibenzofuran | 10.033 | 168 | 602409 | 41.022 | ng | 97 |
| 56) 4-Nitrophenol | 9.963 | 139 | 92908 | 45.798 | ng | 96 |
| 57) 2,4-Dinitrotoluene | 10.022 | 165 | 159291 | 43.471 | ng | 98 |
| 58) Fluorene | 10.381 | 166 | 471526 | 41.395 | ng | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232 | 123166 | 42.803 | ng | 98 |
| 60) Diethylphthalate | 10.251 | 149 | 495870 | 41.956 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.375 | 204 | 233902 | 42.037 | ng | 100 |
| 62) 4-Nitroaniline | 10.398 | 138 | 123996 | 45.468 | ng | 93 |
| 63) Azobenzene | 10.533 | 77 | 475982 | 40.234 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.428 | 198 | 87646 | 46.476 | ng | 97 |
| 66) n-Nitrosodiphenylamine | 10.492 | 169 | 404177 | 39.195 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248 | 143325 | 40.154 | ng | 99 |
| 68) Hexachlorobenzene | 10.928 | 284 | 155137 | 40.974 | ng | 99 |
| 69) Atrazine | 11.022 | 200 | 136423 | 39.568 | ng | 99 |
| 70) Pentachlorophenol | 11.128 | 266 | 102799 | 46.366 | ng | 100 |
| 71) Phenanthrene | 11.339 | 178 | 707114 | 41.259 | ng | 99 |
| 72) Anthracene | 11.392 | 178 | 696374 | 41.470 | ng | 99 |
| 73) Carbazole | 11.551 | 167 | 655823 | 44.044 | ng | 99 |
| 74) Di-n-butylphthalate | 11.880 | 149 | 774119 | 42.899 | ng | 100 |
| 75) Fluoranthene | 12.533 | 202 | 790425 | 46.710 | ng | 98 |
| 77) Benzidine | 12.657 | 184 | 284455 | 37.710 | ng | 99 |
| 78) Pyrene | 12.763 | 202 | 813495 | 36.018 | ng | 100 |
| 80) Butylbenzylphthalate | 13.386 | 149 | 325399 | 41.239 | ng | 97 |
| 81) Benzo(a)anthracene | 13.951 | 228 | 614138 | 37.824 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.916 | 252 | 193800 | 37.529 | ng | 99 |
| 83) Chrysene | 13.986 | 228 | 597592 | 40.160 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149 | 428215 | 42.781 | ng | 98 |
| 85) Di-n-octyl phthalate | 14.568 | 149 | 666025 | 42.840 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.868 | 276 | 539887 | 41.469 | ng | 97 |
| 88) Benzo(b)fluoranthene | 15.004 | 252 | 541045 | 42.641 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.027 | 252 | 459921 | 40.917 | ng | 99 |
| 90) Benzo(a)pyrene | 15.363 | 252 | 432427 | 40.330 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 16.886 | 278 | 430740 | 41.123 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.304 | 276 | 448843 | 41.212 | ng | 96 |

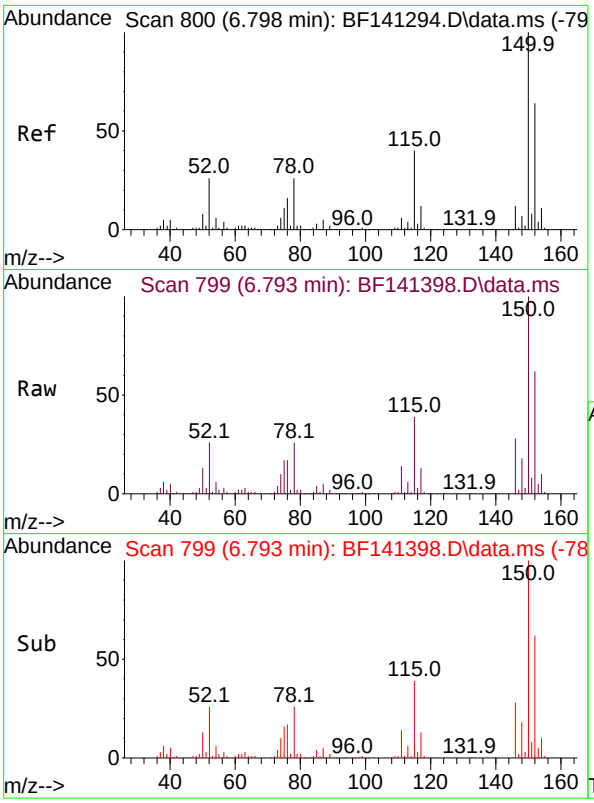
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



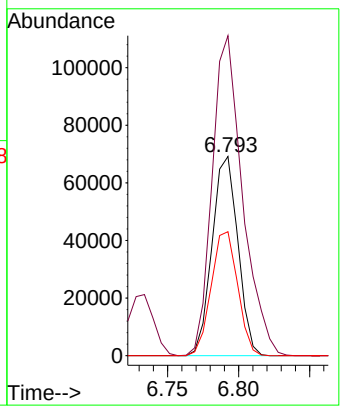


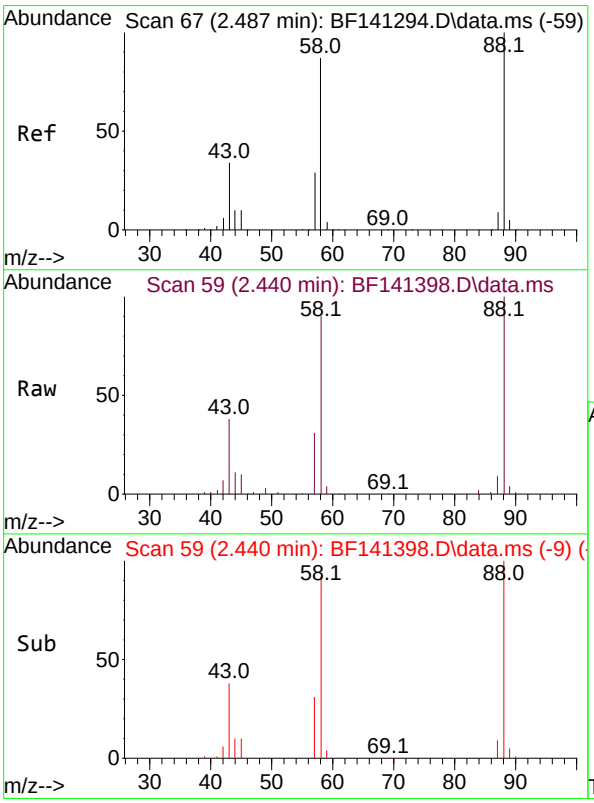

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 87552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.6 | 125.9 | 188.9 |
| 115 | 62.3 | 49.7 | 74.5 |

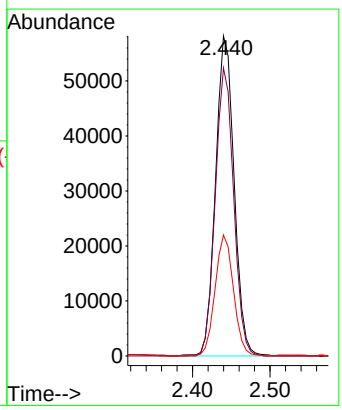


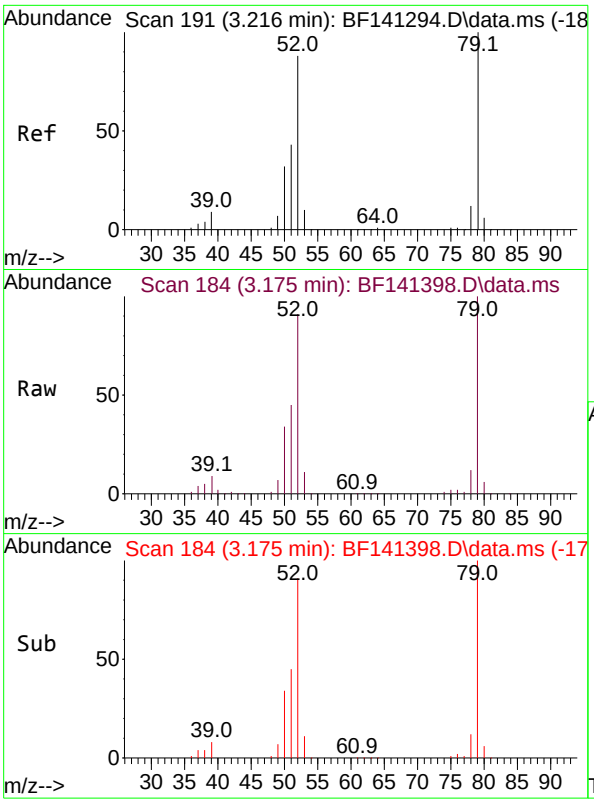




#2
1,4-Dioxane
Concen: 38.714 ng
RT: 2.440 min Scan# 59
Delta R.T. -0.053 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 88 Resp: 97099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 89.1 | 70.2 | 105.4 |
| 43 | 37.5 | 27.6 | 41.4 |



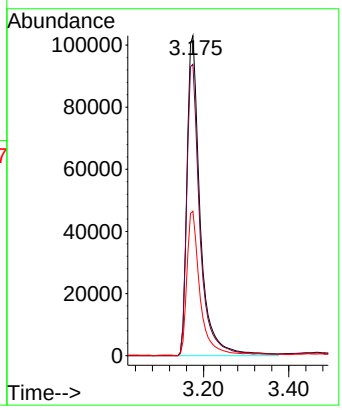


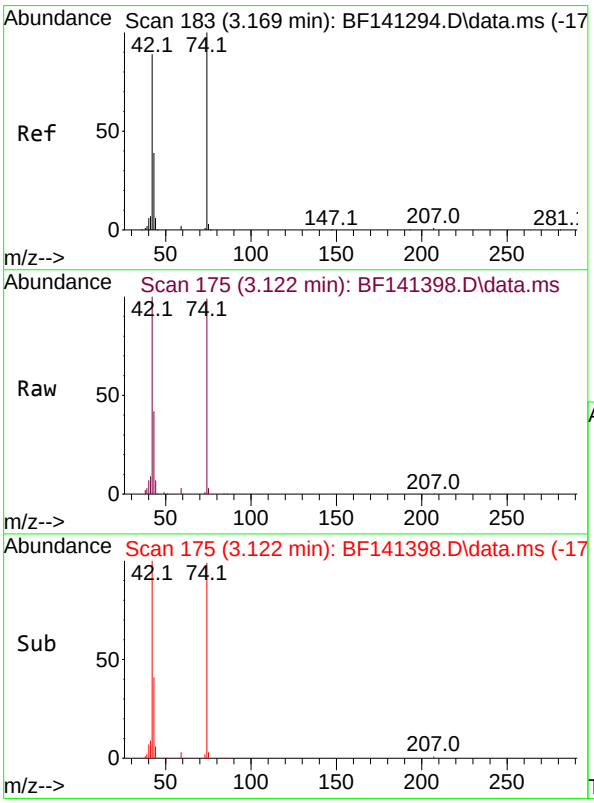

#3
Pyridine
Concen: 36.803 ng
RT: 3.175 min Scan# 1
Delta R.T. -0.053 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 222403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 91.1 | 70.3 | 105.5 |
| 51 | 45.1 | 34.3 | 51.5 |

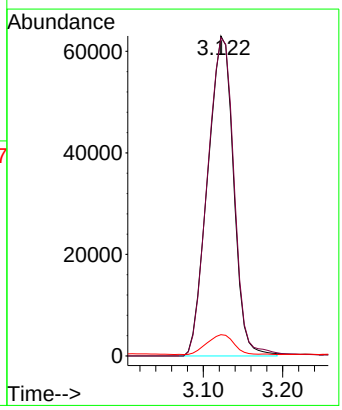


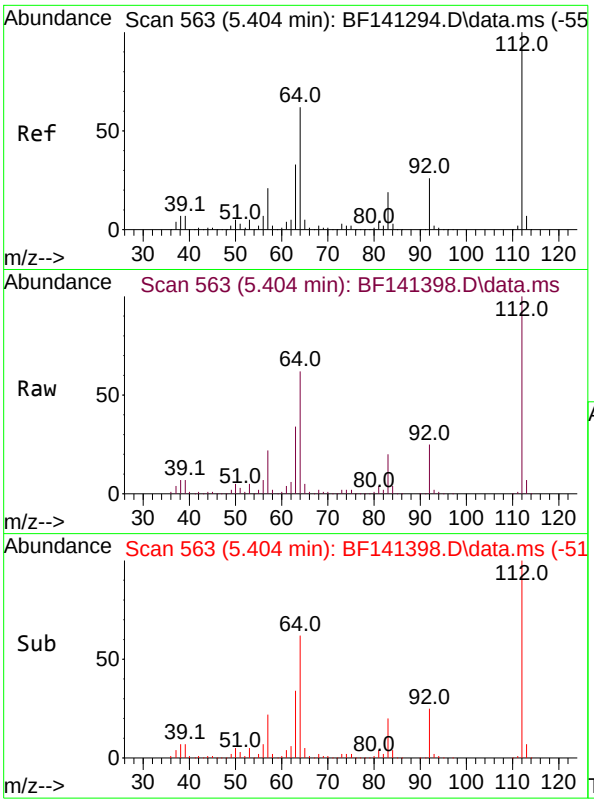




#4
n-Nitrosodimethylamine
Concen: 41.383 ng m
RT: 3.122 min Scan# 175
Delta R.T. -0.077 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 42 Resp: 142862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 99.4 | 90.3 | 135.5 |
| 44 | 6.7 | 5.7 | 8.5 |



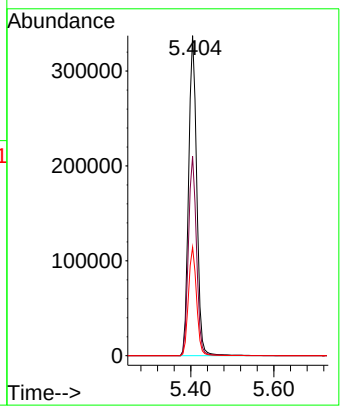


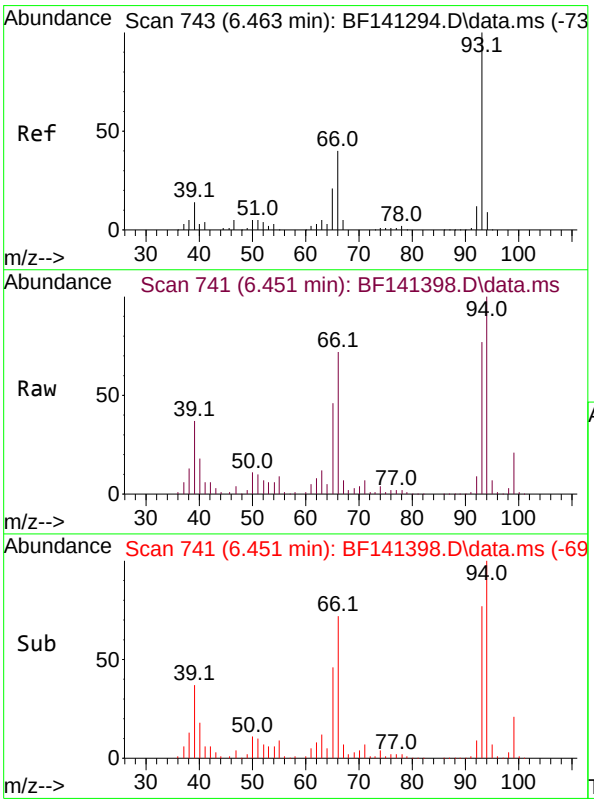

#5
2-Fluorophenol
Concen: 79.945 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:112 Resp: 455924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.3 | 49.8 | 74.8 |
| 63 | 33.9 | 26.1 | 39.1 |

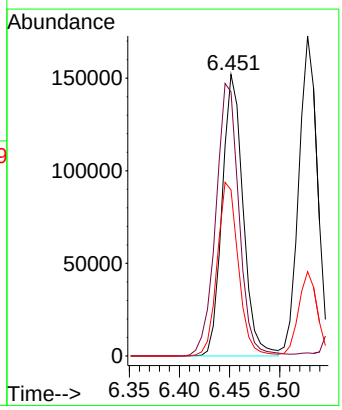


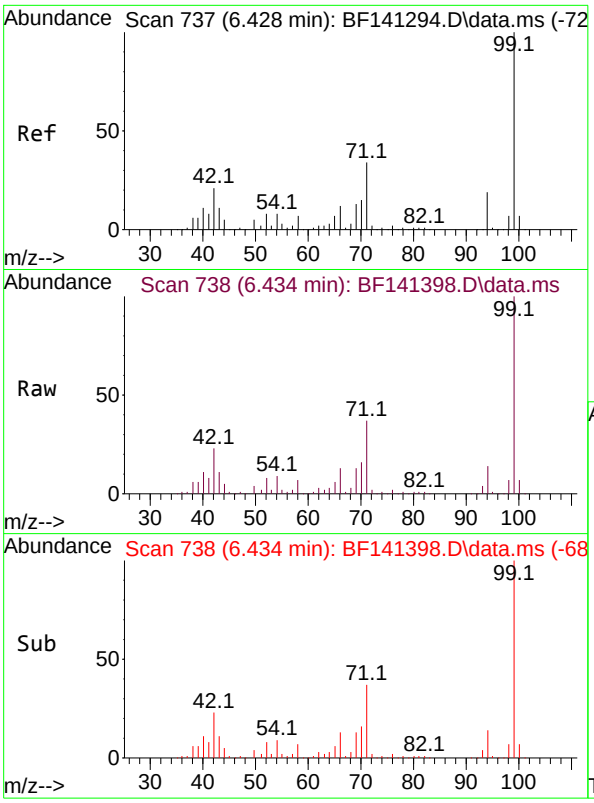




#6
Aniline
Concen: 35.876 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 93 Resp: 220322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 93.9 | 32.5 | 48.7# |
| 65 | 59.0 | 17.0 | 25.6# |



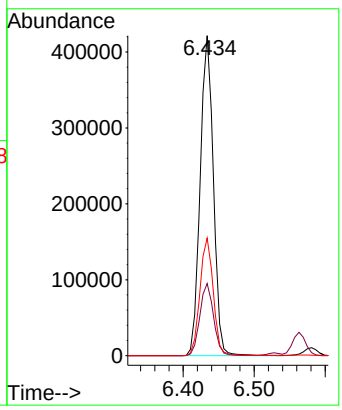


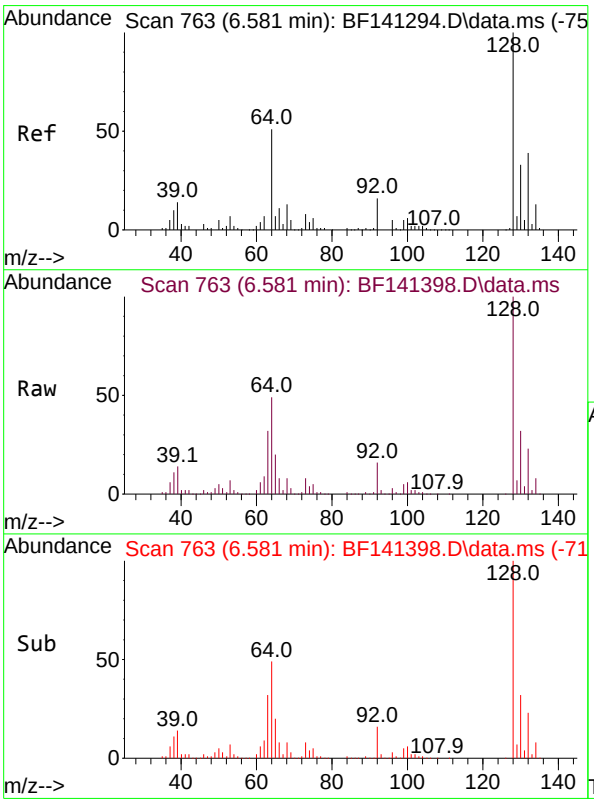

#7
Phenol-d6
Concen: 75.322 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 99 Resp: 546451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.5 | 17.1 | 25.7 |
| 71 | 36.7 | 26.9 | 40.3 |

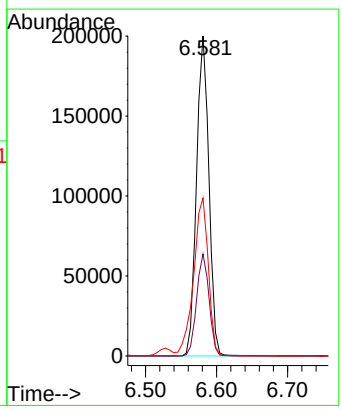


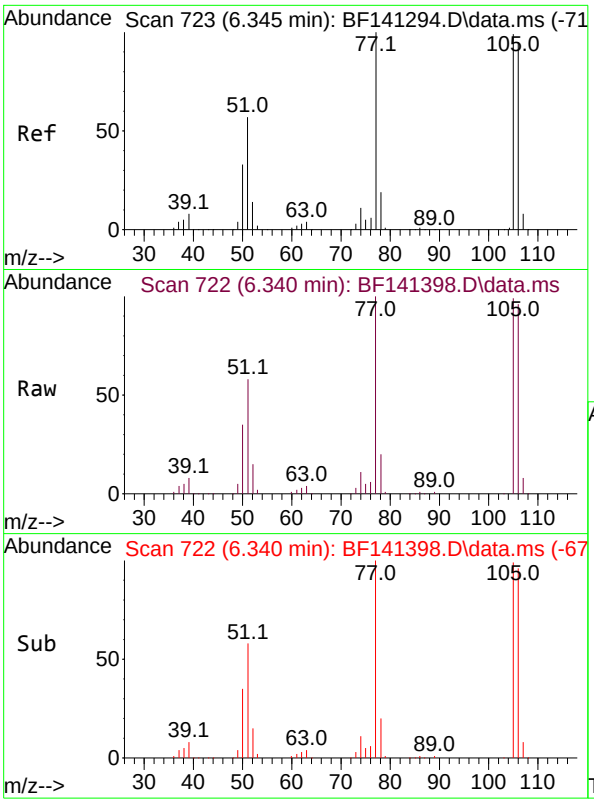




#8
2-Chlorophenol
Concen: 39.734 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:128 Resp: 242879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.8 | 12.5 | 52.5 |
| 64 | 49.3 | 32.9 | 72.9 |



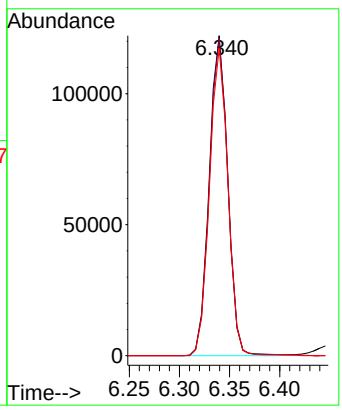


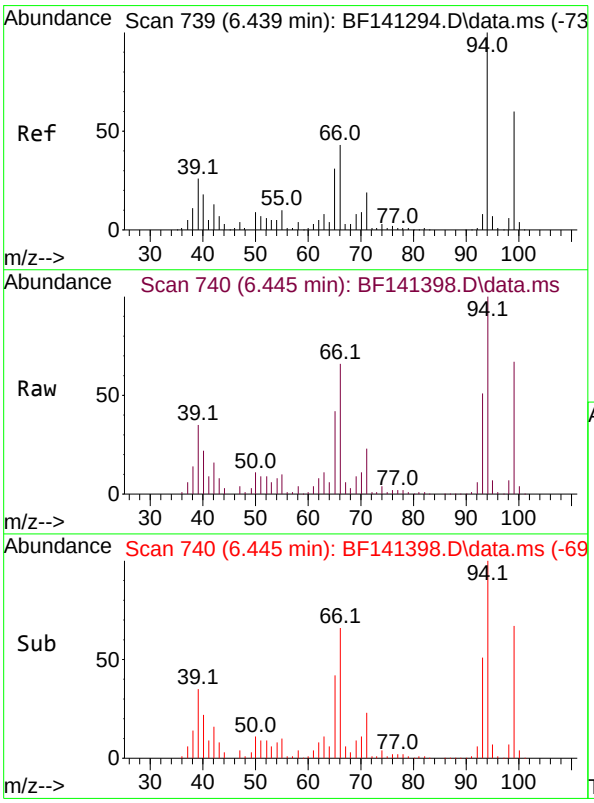

#9
Benzaldehyde
Concen: 37.226 ng
RT: 6.340 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 156434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.2 | 79.4 | 119.4 |
| 106 | 96.0 | 74.6 | 114.6 |

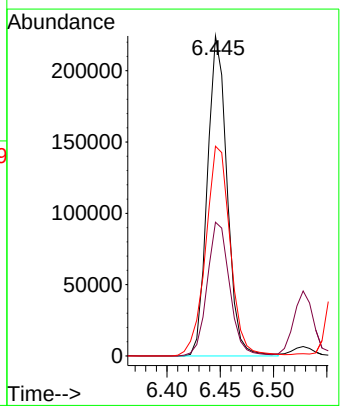


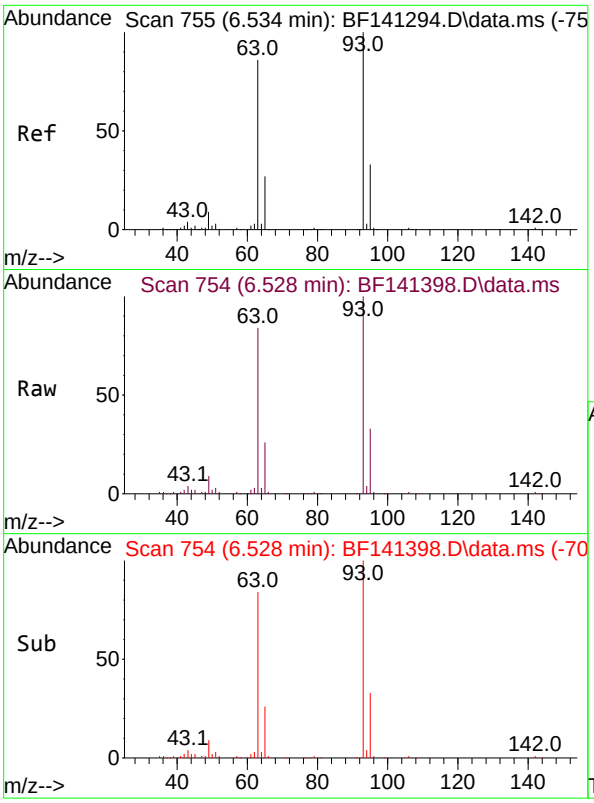




#10
Phenol
Concen: 37.574 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 94 Resp: 288967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 41.8 | 10.8 | 50.8 |
| 66 | 65.6 | 23.3 | 63.3# |



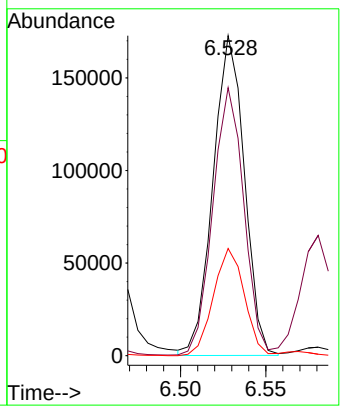


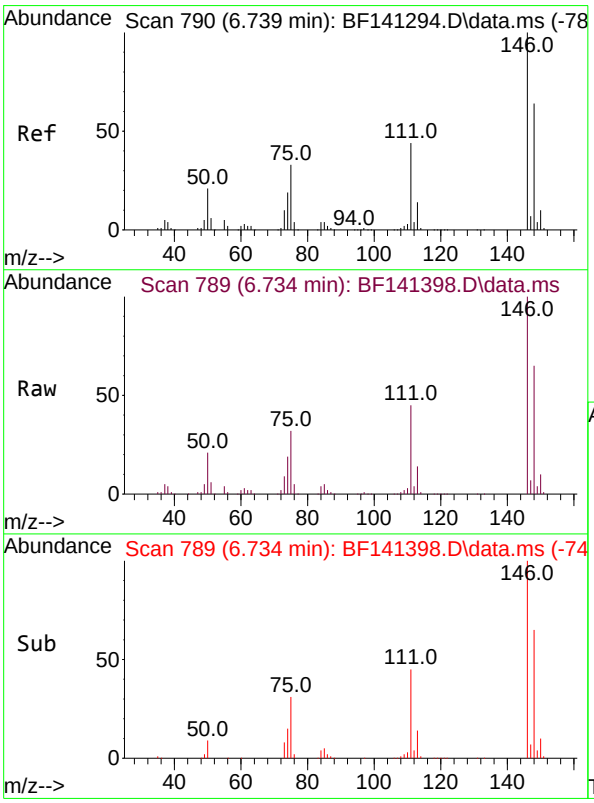

#11
bis(2-Chloroethyl)ether
Concen: 37.487 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 93 Resp: 221049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 83.7 | 65.0 | 105.0 |
| 95 | 33.5 | 12.4 | 52.4 |

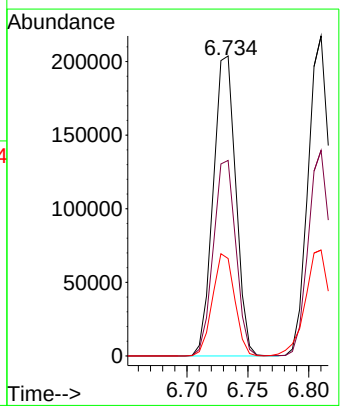


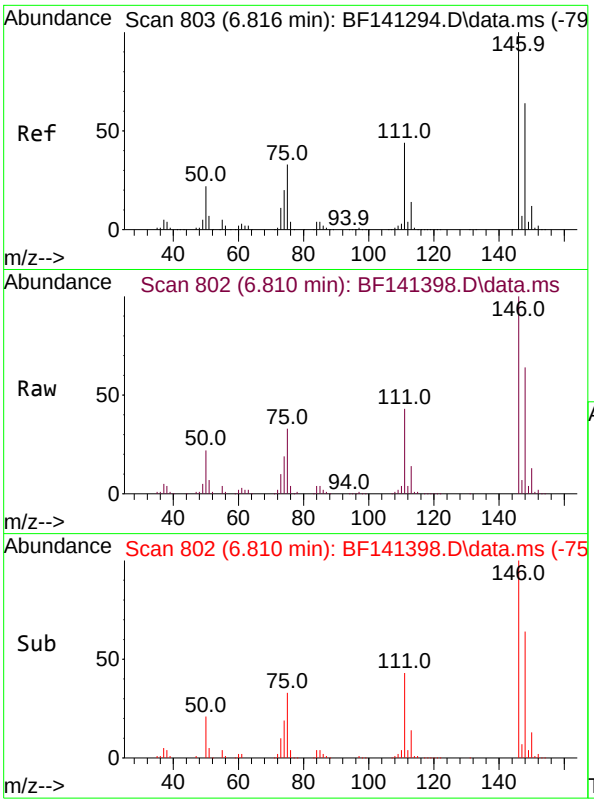




#12
1,3-Dichlorobenzene
Concen: 39.009 ng
RT: 6.734 min Scan# 789
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:146 Resp: 262908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.1 | 51.2 | 76.8 |
| 75 | 32.5 | 26.2 | 39.4 |



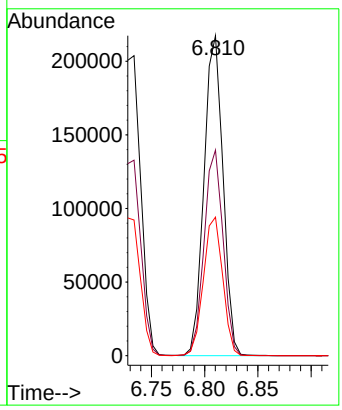


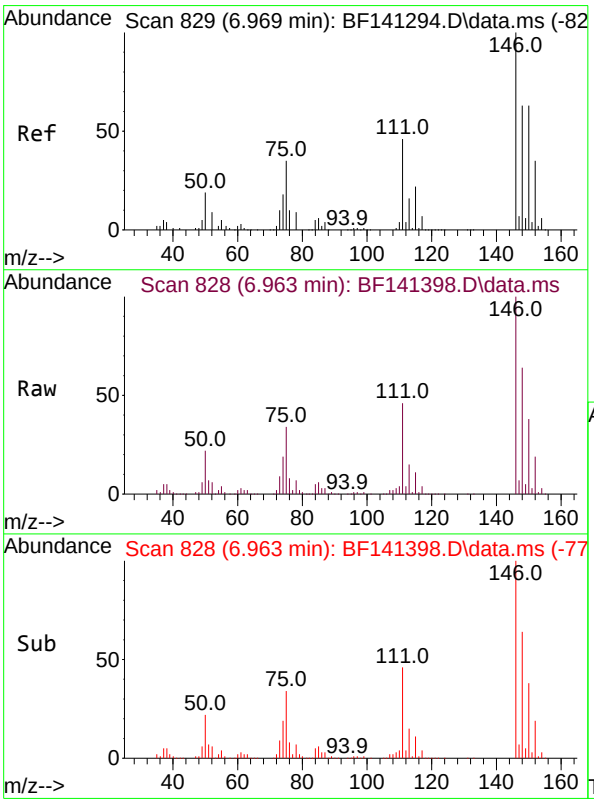

#13
1,4-Dichlorobenzene
Concen: 39.806 ng
RT: 6.810 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:146 Resp: 269514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.2 | 76.8 |
| 111 | 43.3 | 35.0 | 52.4 |

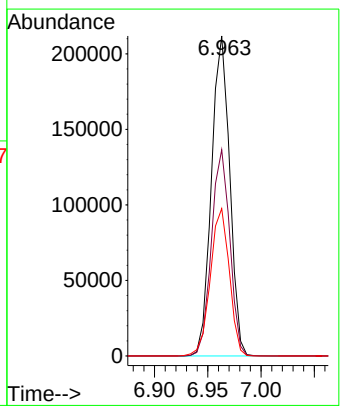


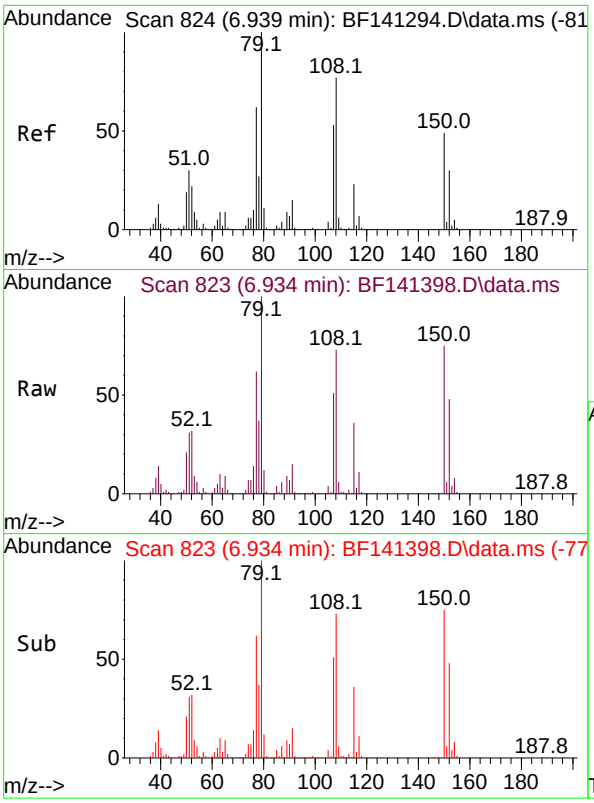




#14
1,2-Dichlorobenzene
Concen: 39.708 ng
RT: 6.963 min Scan# 828
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:146 Resp: 251753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 50.5 | 75.7 |
| 111 | 46.1 | 36.6 | 55.0 |



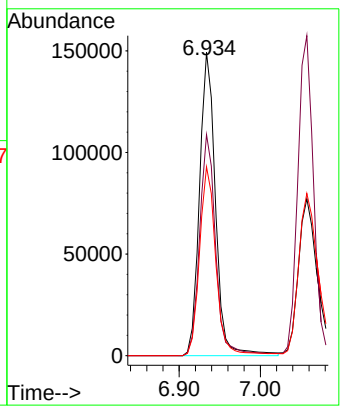


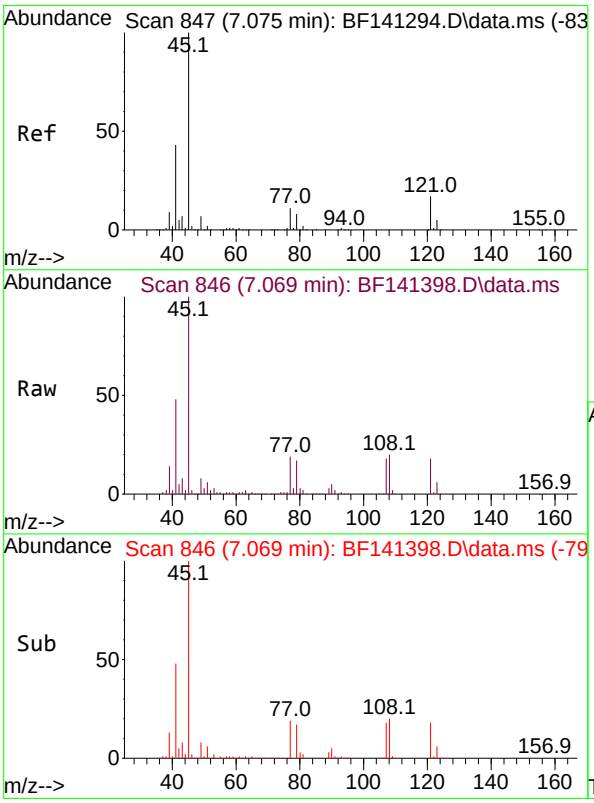

#15
Benzyl Alcohol
Concen: 41.142 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 203978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 72.9 | 61.4 | 92.0 |
| 77 | 62.3 | 49.9 | 74.9 |

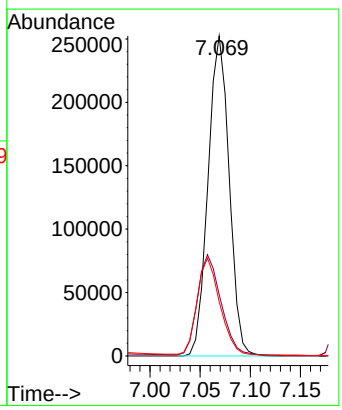


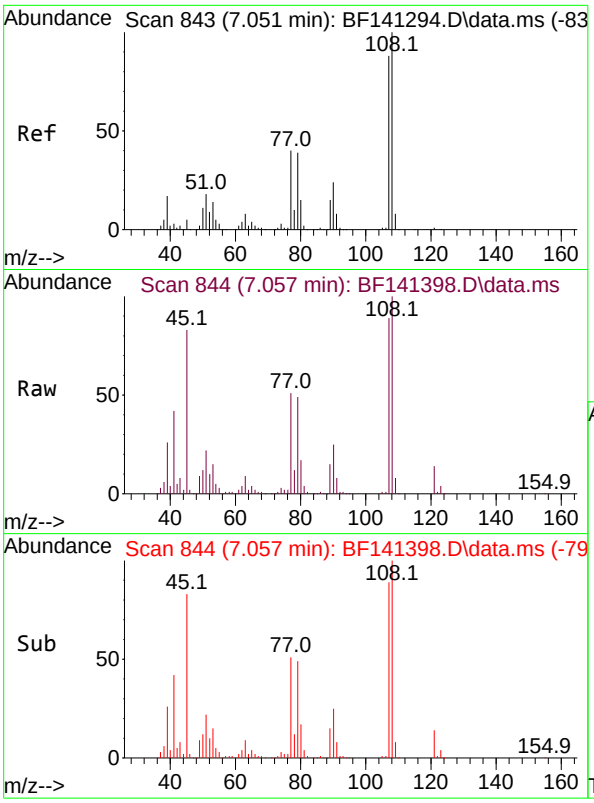




#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.004 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 45 Resp: 369176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 19.2 | 0.0 | 31.8 |
| 79 | 17.0 | 0.0 | 29.1 |



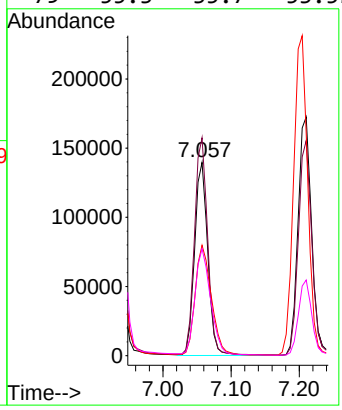


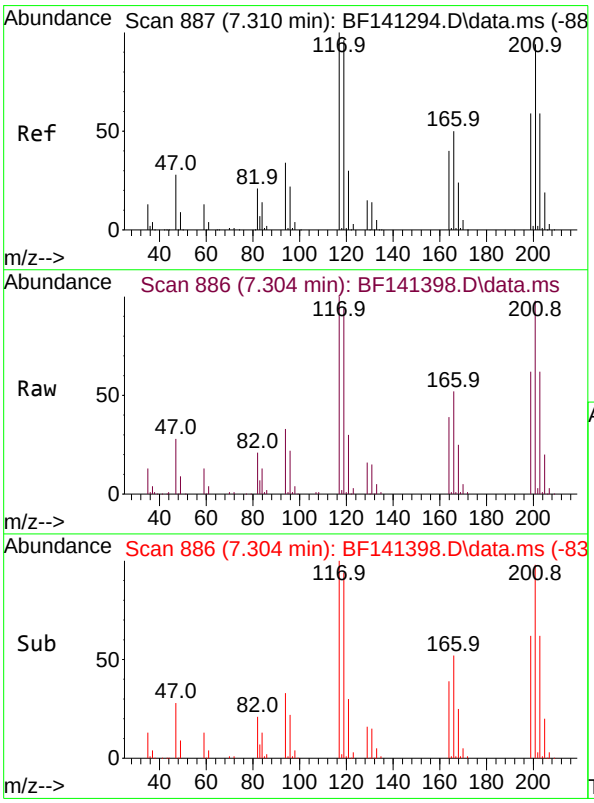

#17
2-Methylphenol
Concen: 37.854 ng
RT: 7.057 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:107 Resp: 188055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.7 | 90.8 | 136.2 |
| 77 | 57.1 | 36.2 | 54.4# |
| 79 | 55.3 | 35.7 | 53.5# |

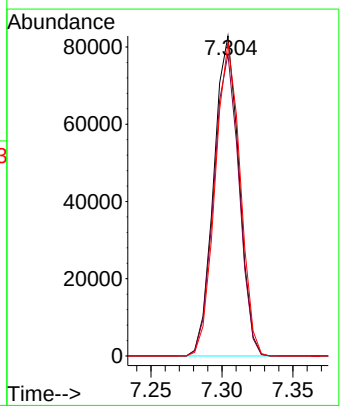


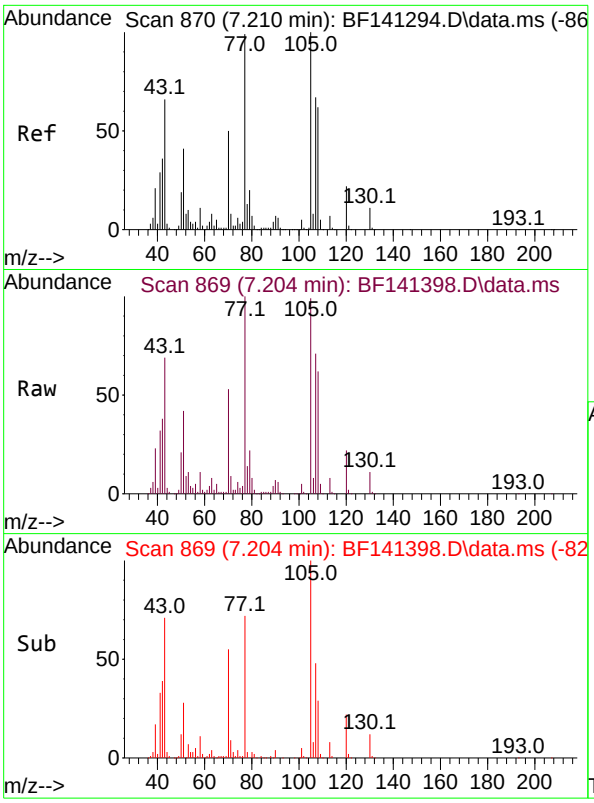




#18
Hexachloroethane
Concen: 40.842 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:117 Resp: 102015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.4 | 76.6 | 114.8 |
| 201 | 97.9 | 74.8 | 112.2 |



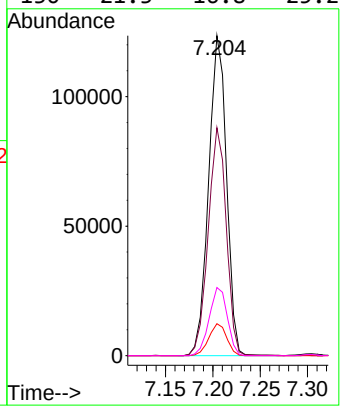


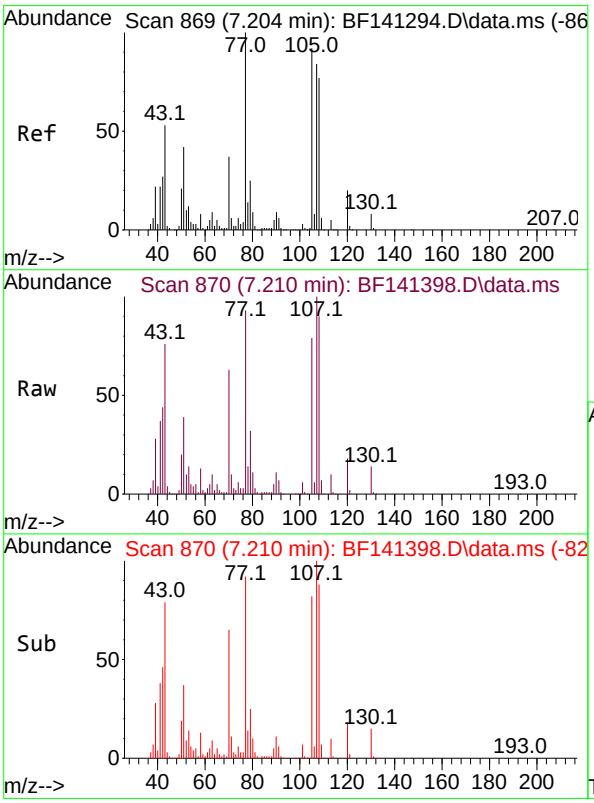

#19
n-Nitroso-di-n-propylamine
Concen: 37.733 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 70 Resp: 162661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 71.2 | 56.8 | 85.2 |
| 101 | 10.0 | 7.7 | 11.5 |
| 130 | 21.3 | 16.8 | 25.2 |

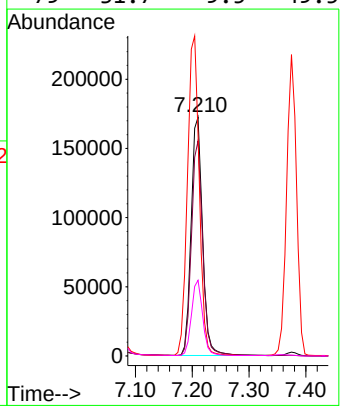


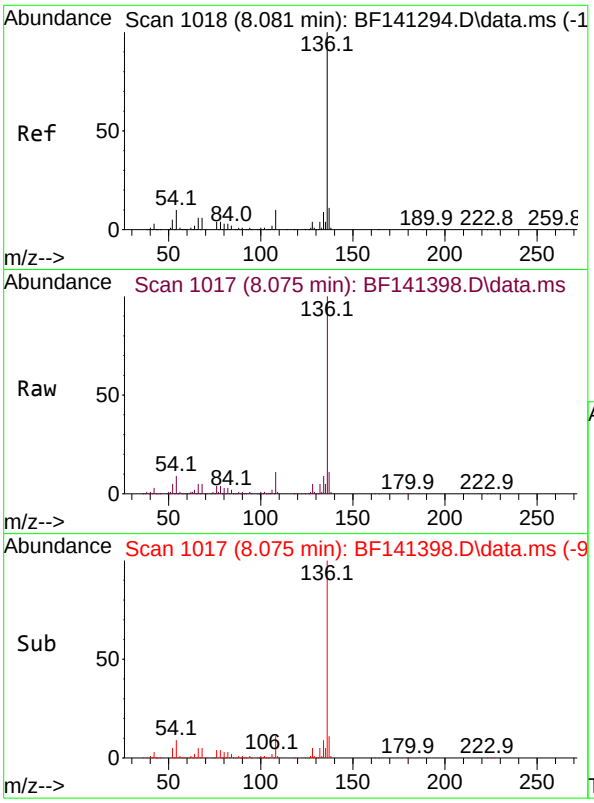




#20
3+4-Methylphenols
Concen: 39.483 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:107 Resp: 240839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.0 | 70.9 | 110.9 |
| 77 | 93.0 | 98.5 | 138.5# |
| 79 | 31.7 | 9.5 | 49.5 |



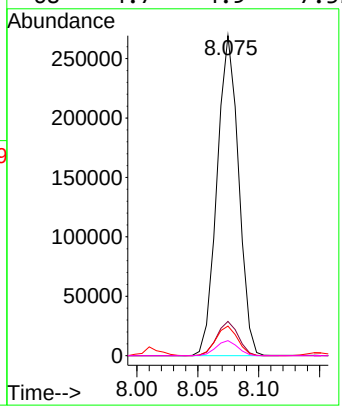


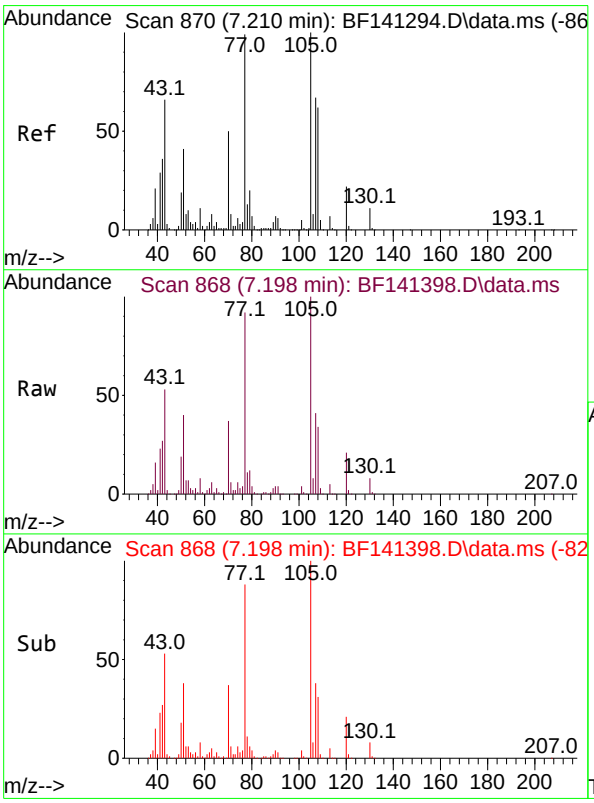

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:136 Resp: 331835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.6 | 13.0 |
| 54 | 9.2 | 7.8 | 11.8 |
| 68 | 4.7 | 4.9 | 7.3# |

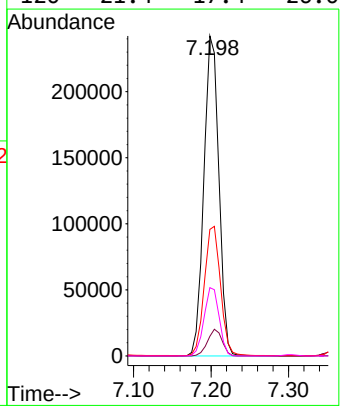


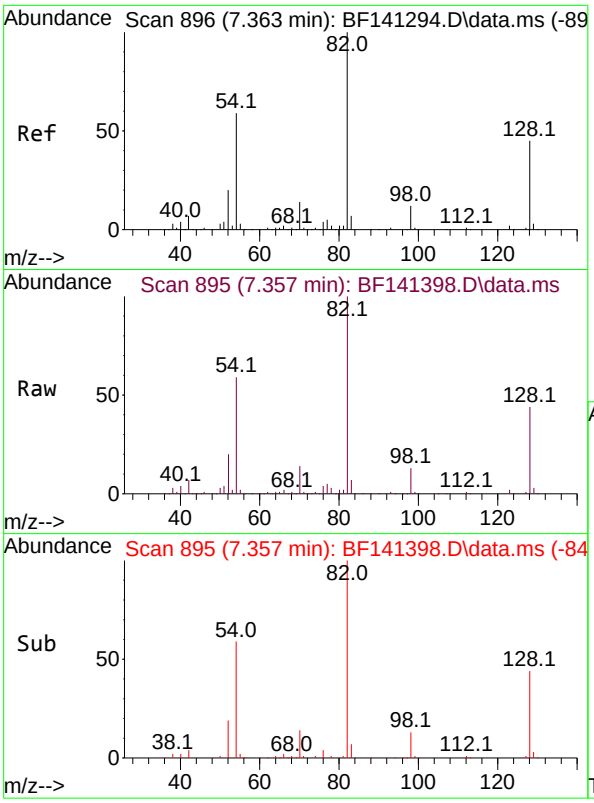




#22
Acetophenone
Concen: 41.351 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:105 Resp: 326166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.2 | 6.8 | 10.2# |
| 51 | 39.6 | 32.6 | 49.0 |
| 120 | 21.4 | 17.4 | 26.0 |



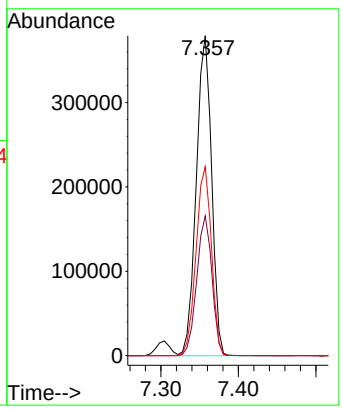


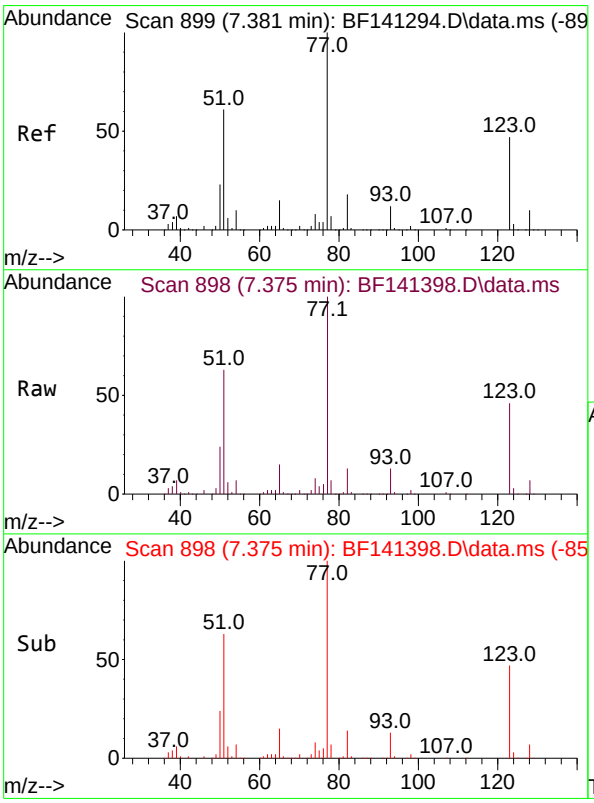

#23
Nitrobenzene-d5
Concen: 82.468 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 519110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.7 | 35.7 | 53.5 |
| 54 | 59.0 | 47.1 | 70.7 |

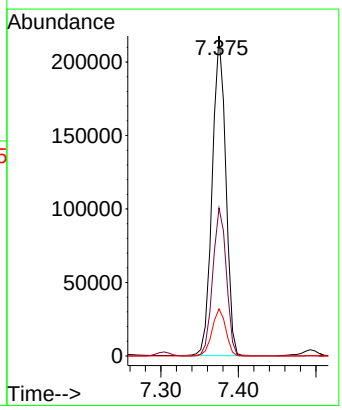


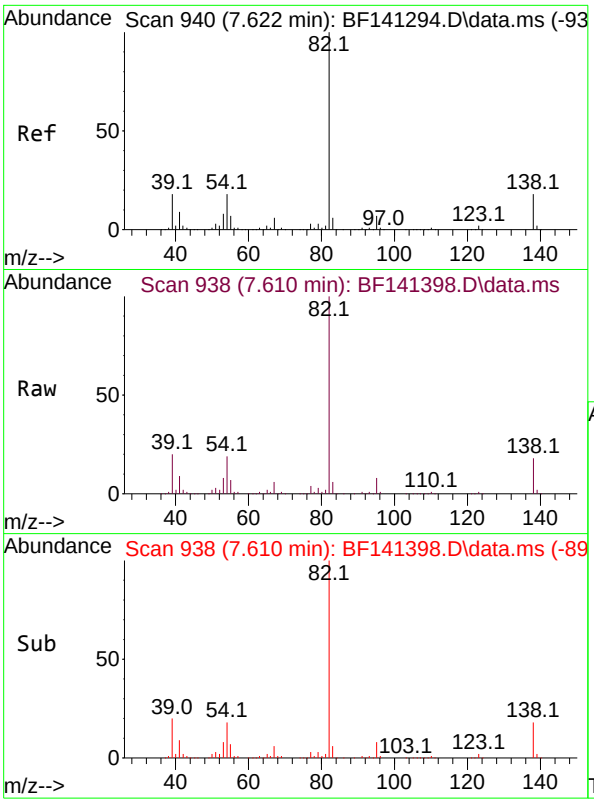




#24
Nitrobenzene
Concen: 40.497 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 77 Resp: 264172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.3 | 37.3 | 55.9 |
| 65 | 14.7 | 11.8 | 17.6 |



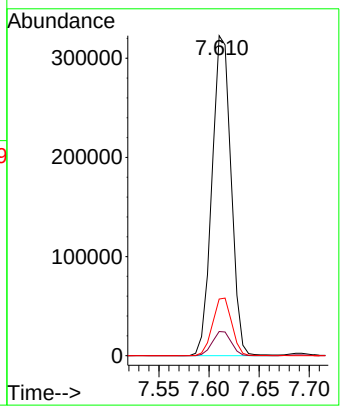


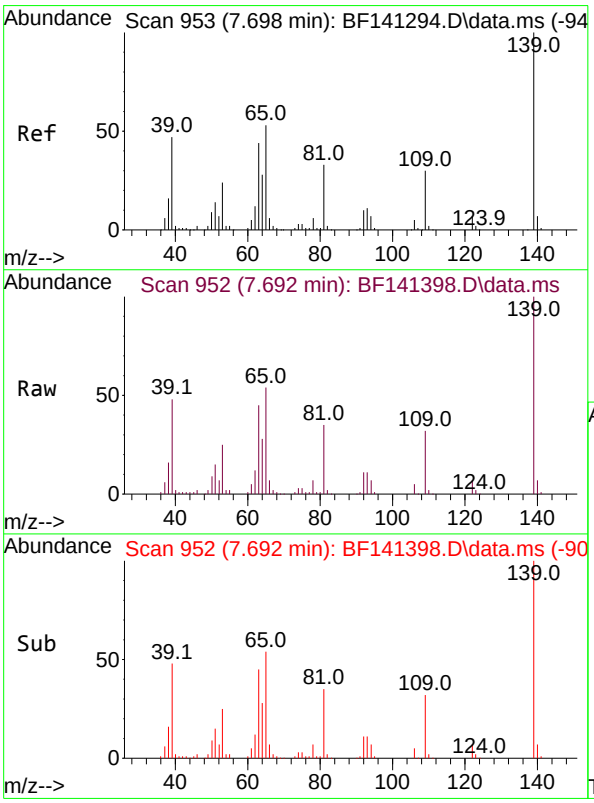

#25
Isophorone
Concen: 39.213 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 426672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.5 | 5.8 | 8.6 |
| 138 | 17.7 | 14.7 | 22.1 |

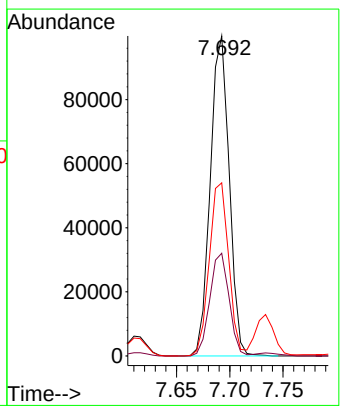


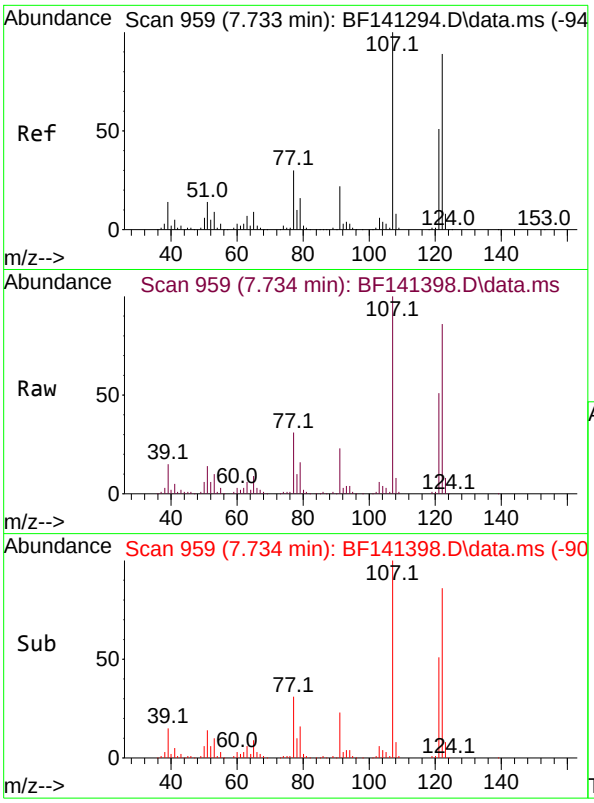




#26
2-Nitrophenol
Concen: 39.973 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:139 Resp: 122977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.1 | 23.8 | 35.6 |
| 65 | 54.1 | 42.2 | 63.4 |



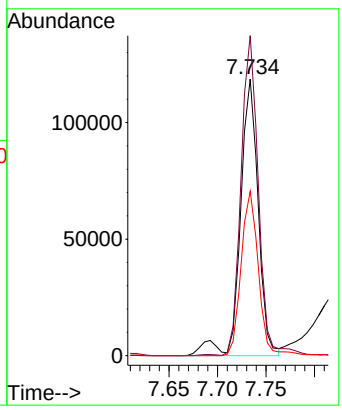


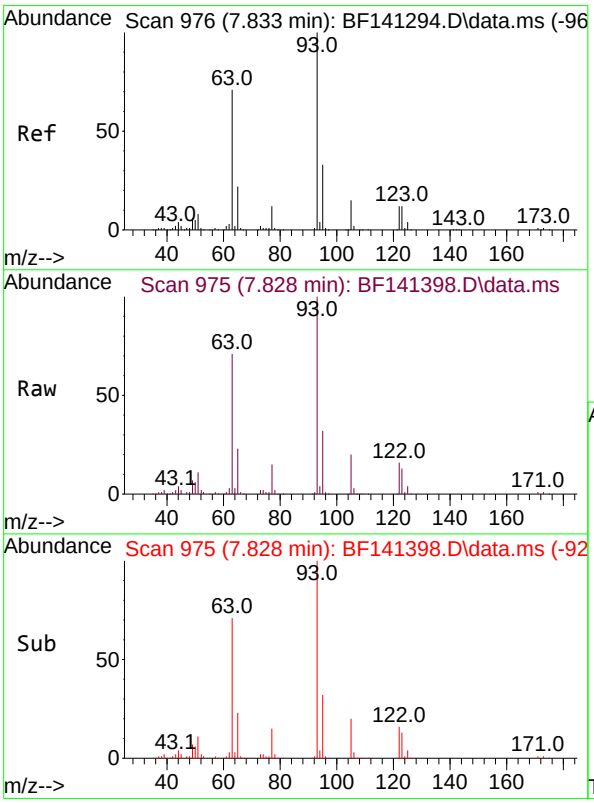

#27
2,4-Dimethylphenol
Concen: 38.904 ng m
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:122 Resp: 152342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 115.7 | 89.9 | 134.9 |
| 121 | 59.5 | 46.1 | 69.1 |

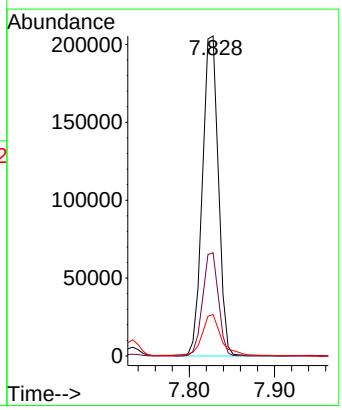


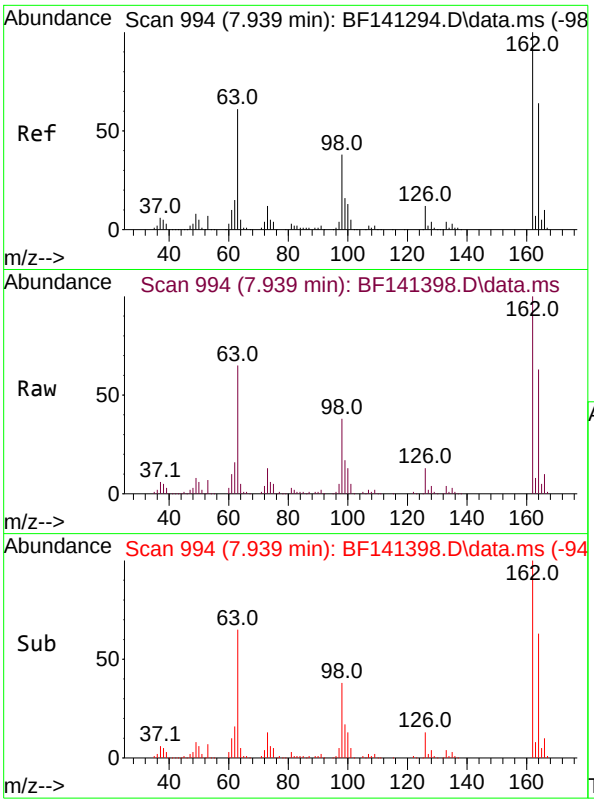




#28
bis(2-Chloroethoxy)methane
Concen: 38.495 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 93 Resp: 267181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.2 | 26.2 | 39.2 |
| 123 | 13.0 | 10.2 | 15.4 |



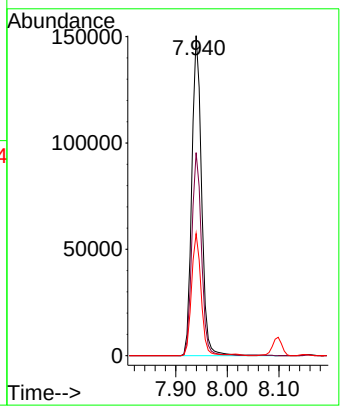


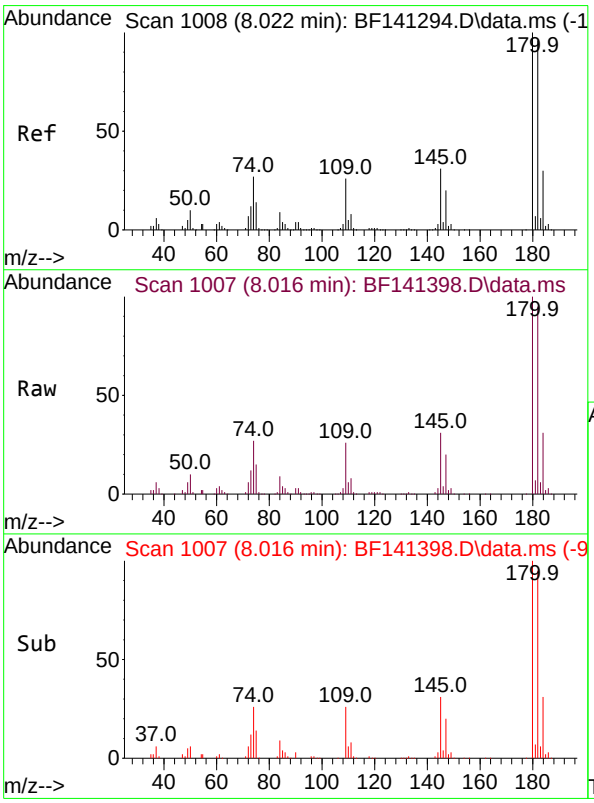

#29
2,4-Dichlorophenol
Concen: 41.025 ng
RT: 7.939 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 196668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.5 | 44.2 | 84.2 |
| 98 | 38.2 | 18.2 | 58.2 |

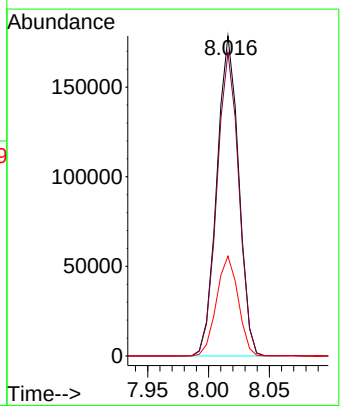


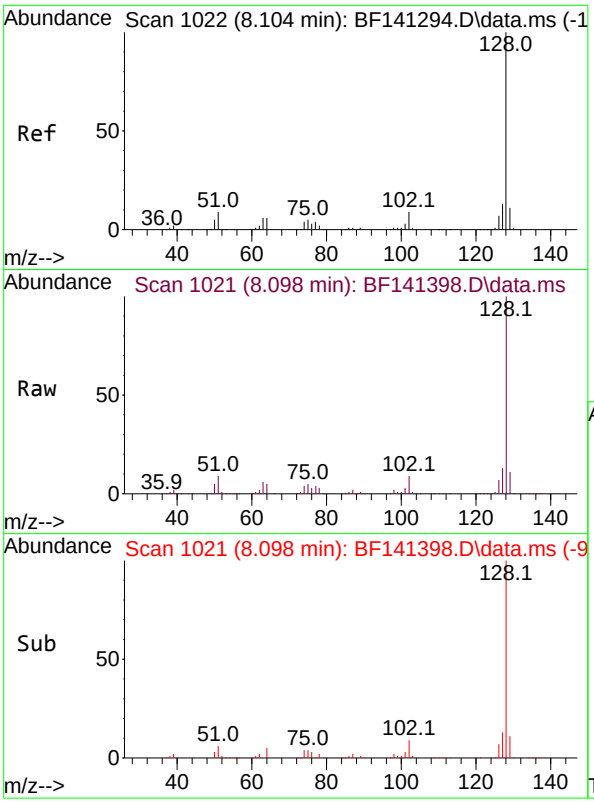




#30
1,2,4-Trichlorobenzene
Concen: 40.631 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:180 Resp: 222442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.9 | 76.4 | 114.6 |
| 145 | 31.2 | 24.9 | 37.3 |



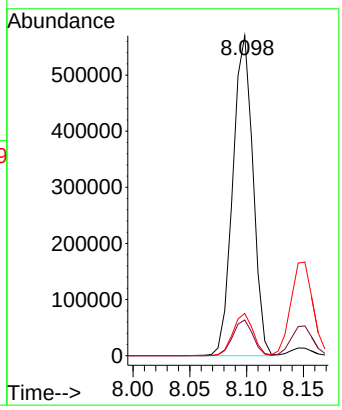


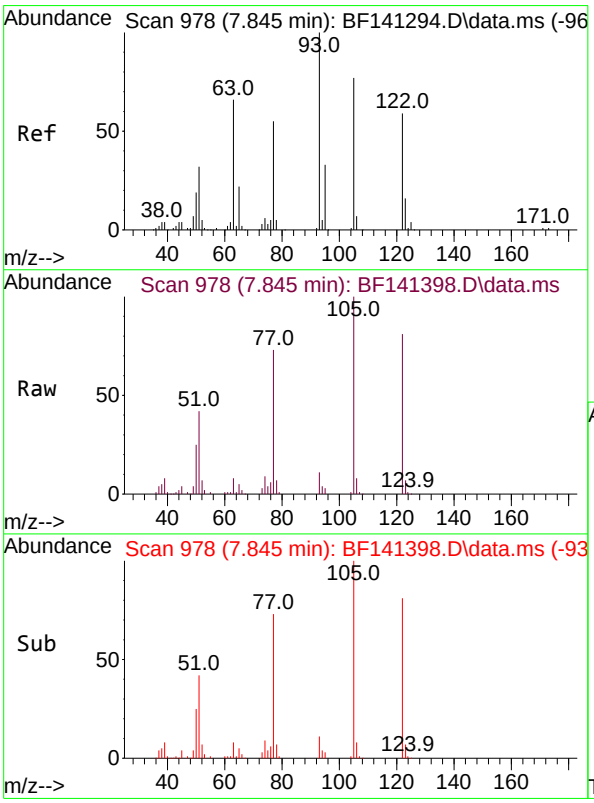

#31
Naphthalene
Concen: 40.155 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:128 Resp: 703917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.9 | 13.3 |
| 127 | 13.2 | 10.6 | 15.8 |

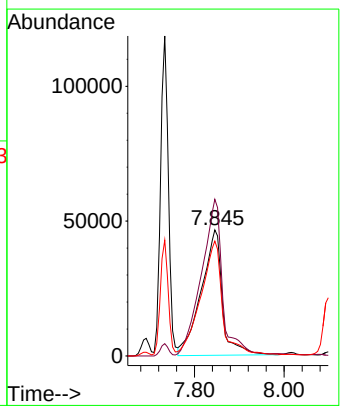


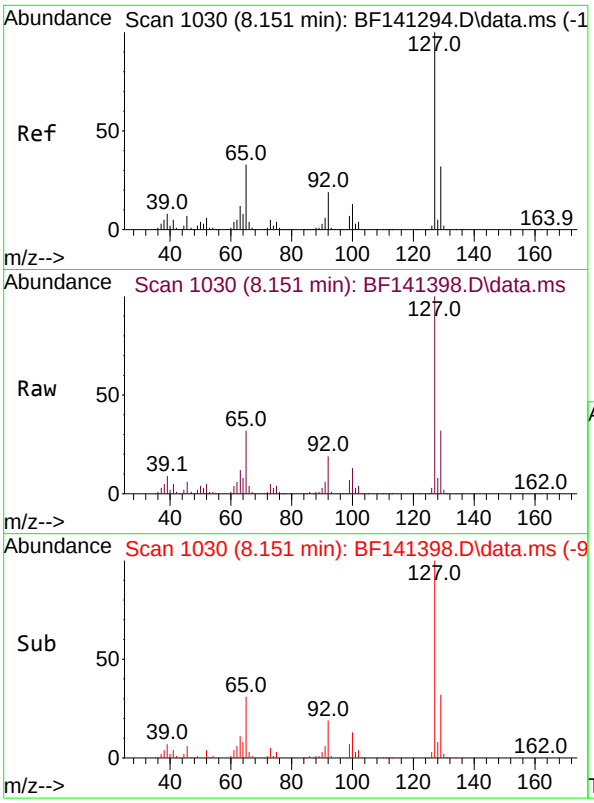




#32
Benzoic acid
Concen: 42.292 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.035 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:122 Resp: 152241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.2 | 103.4 | 143.4 |
| 77 | 91.1 | 70.9 | 110.9 |



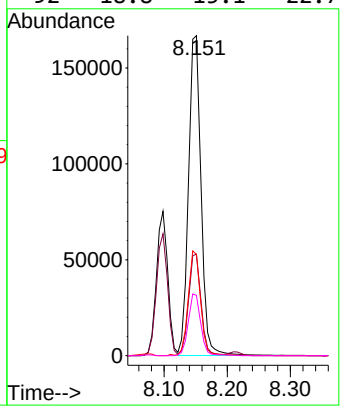


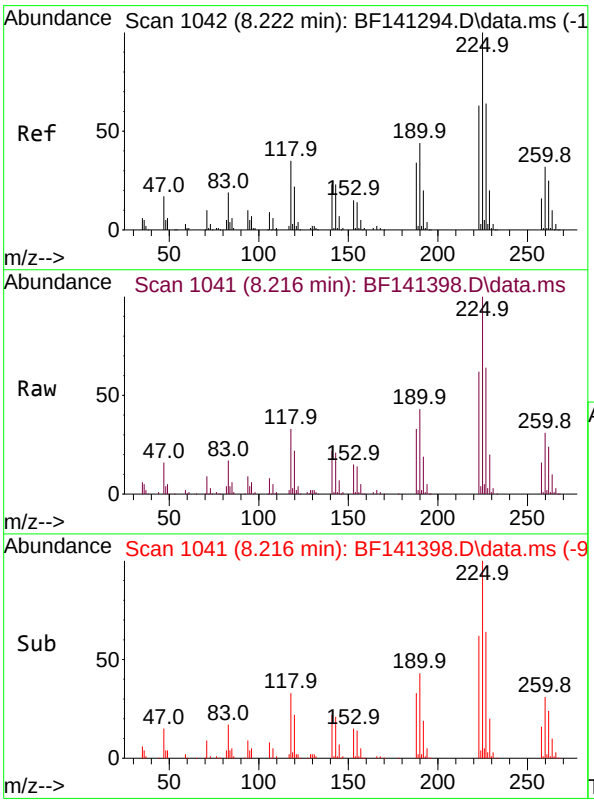

#33
4-Chloroaniline
Concen: 38.783 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:127 Resp: 230545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.7 | 25.7 | 38.5 |
| 65 | 31.7 | 26.4 | 39.6 |
| 92 | 18.8 | 15.1 | 22.7 |

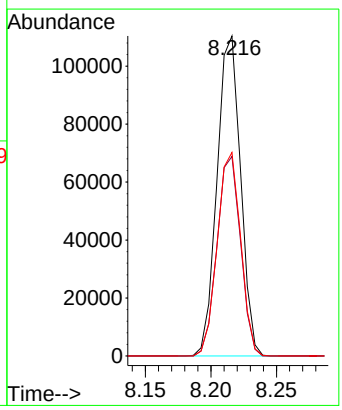


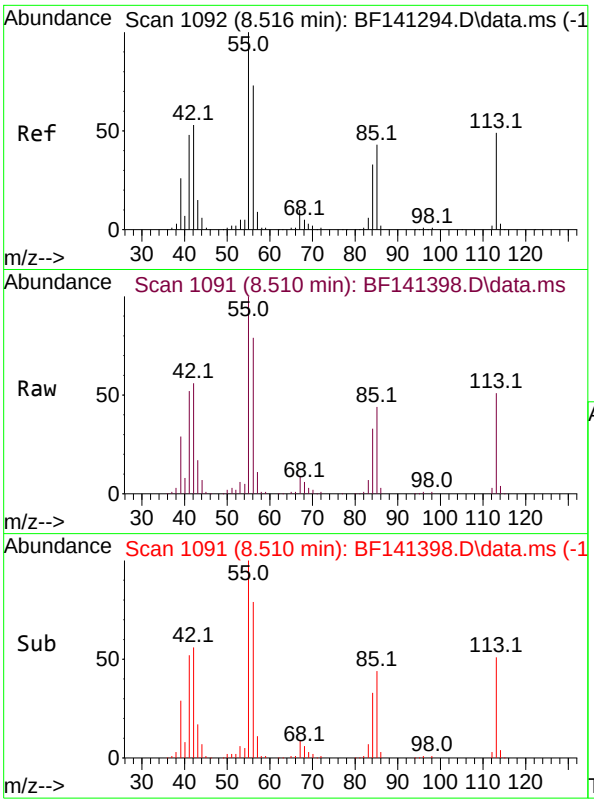




#34
Hexachlorobutadiene
Concen: 42.897 ng
RT: 8.216 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:225 Resp: 137723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.3 | 50.4 | 75.6 |
| 227 | 63.6 | 51.3 | 76.9 |



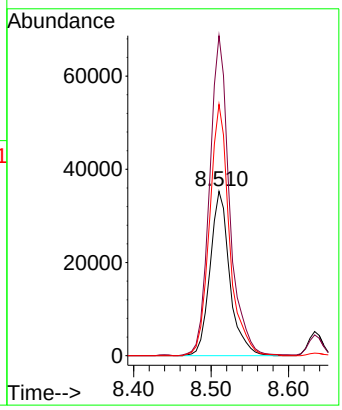


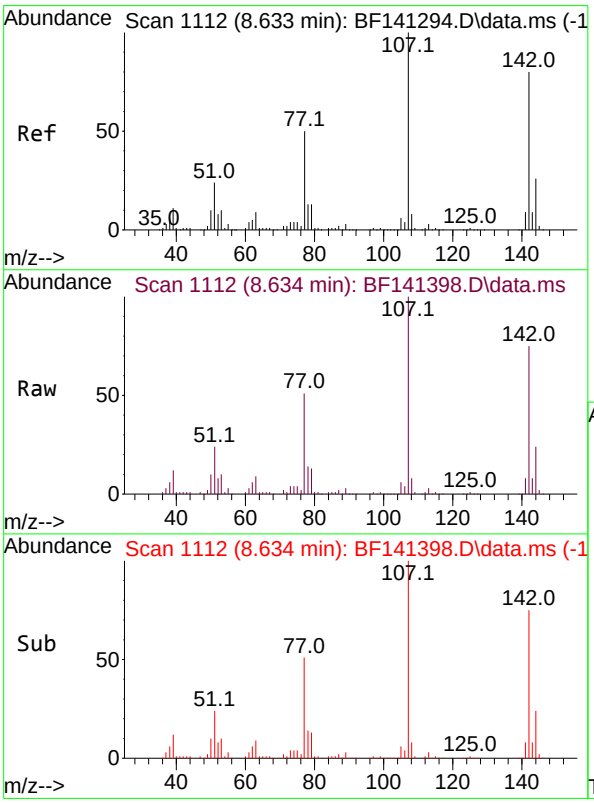

#35
Caprolactam
Concen: 39.634 ng
RT: 8.510 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:113 Resp: 62051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 194.6 | 182.9 | 222.9 |
| 56 | 152.9 | 127.9 | 167.9 |

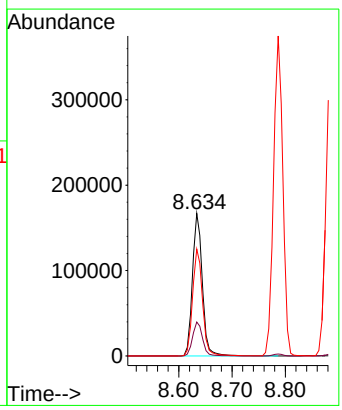


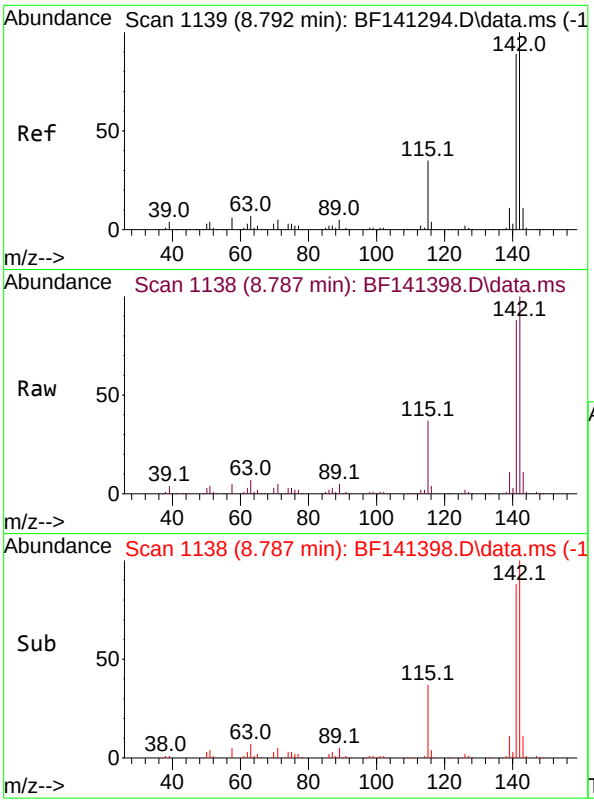




#36
4-Chloro-3-methylphenol
Concen: 42.000 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:107 Resp: 215967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 23.9 | 20.7 | 31.1 |
| 142 | 75.0 | 63.8 | 95.8 |



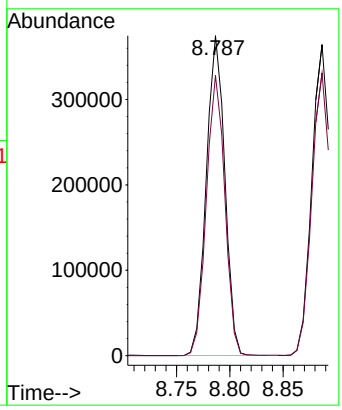


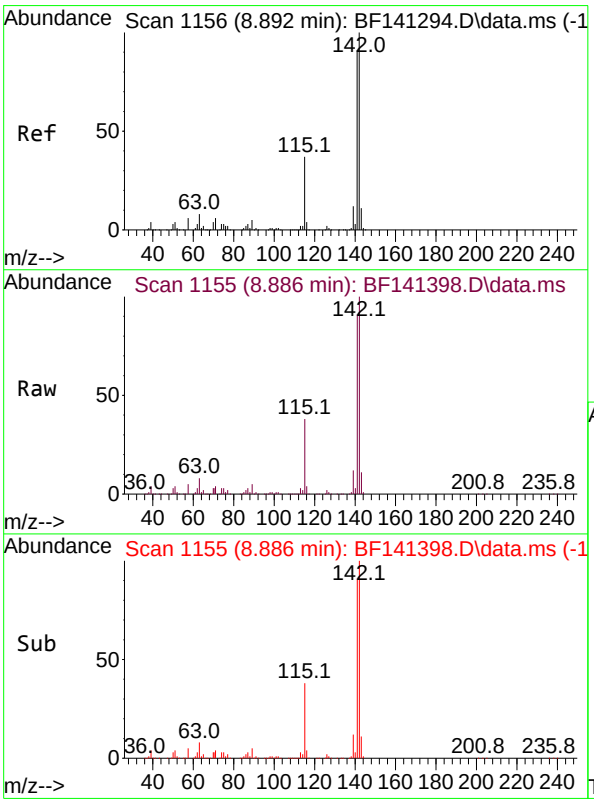

#37
2-Methylnaphthalene
Concen: 40.722 ng
RT: 8.787 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:142 Resp: 453714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.6 | 71.3 | 106.9 |

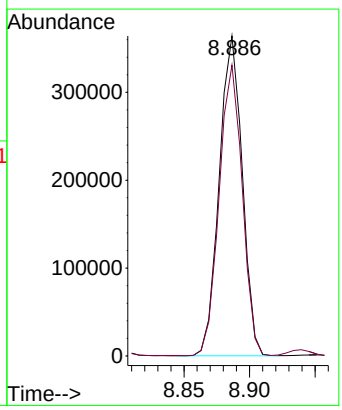


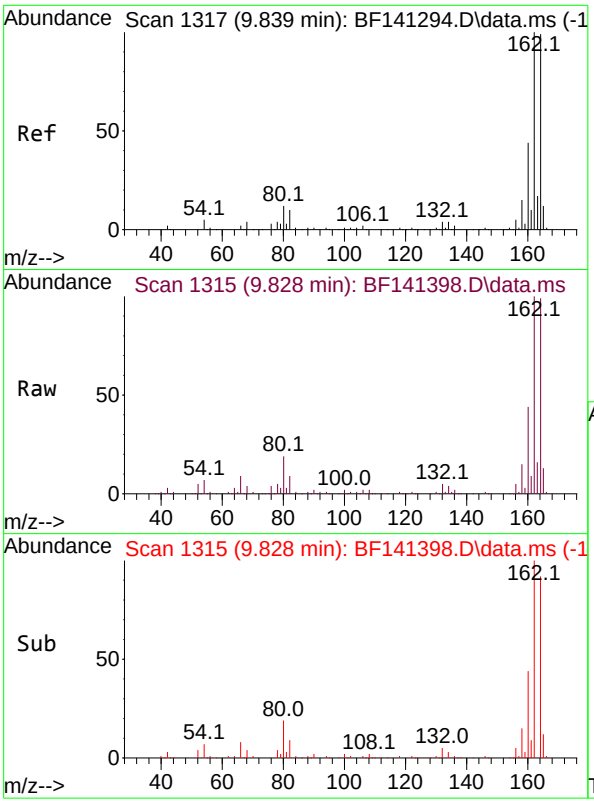




#38
1-Methylnaphthalene
Concen: 40.487 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:142 Resp: 443121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.9 | 73.2 | 109.8 |



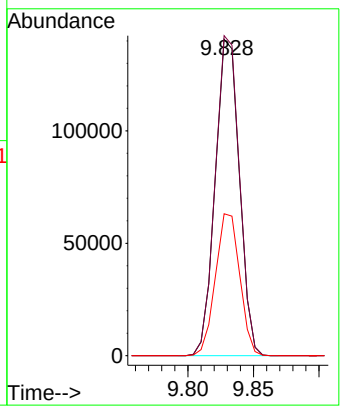


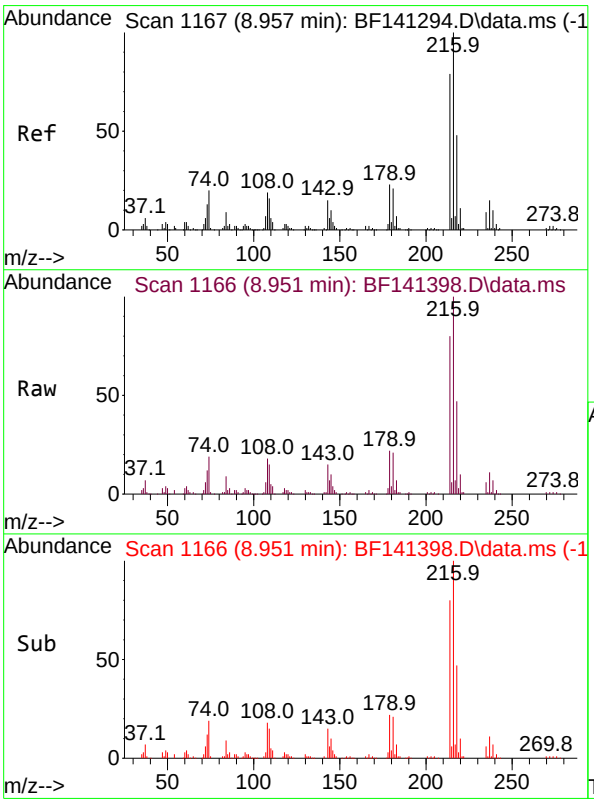

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:164 Resp: 180473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.1 | 80.6 | 121.0 |
| 160 | 44.8 | 35.8 | 53.6 |

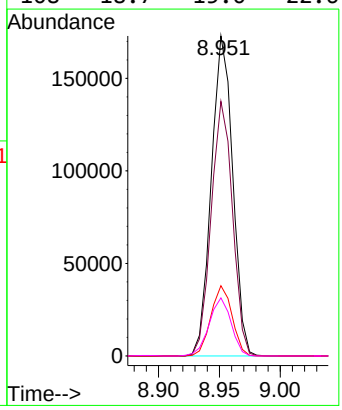


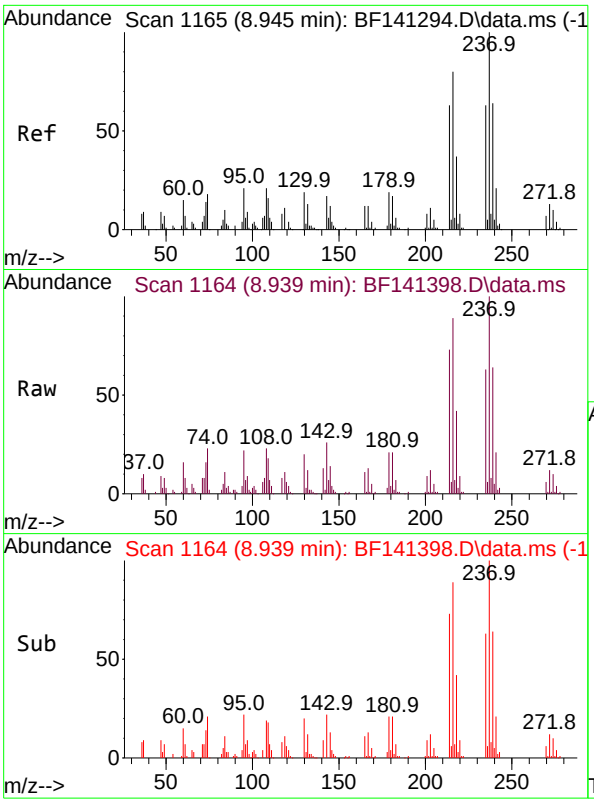




#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.257 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:216 Resp: 211825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.2 | 63.2 | 94.8 |
| 179 | 21.7 | 17.8 | 26.8 |
| 108 | 18.7 | 15.0 | 22.6 |



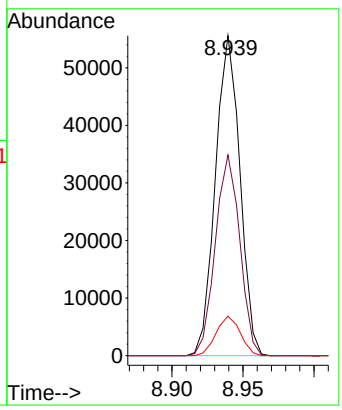


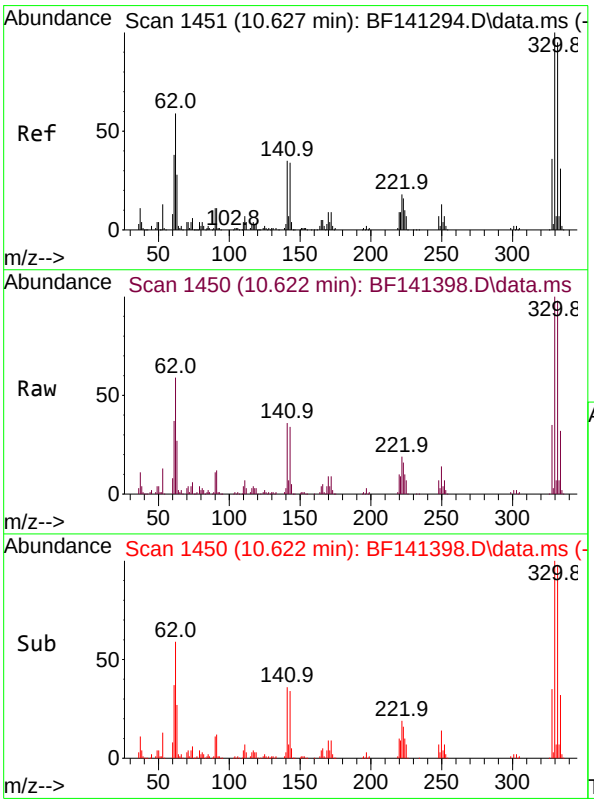

#41
Hexachlorocyclopentadiene
Concen: 43.974 ng
RT: 8.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:237 Resp: 66678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.7 | 42.9 | 82.9 |
| 272 | 12.4 | 0.0 | 32.8 |

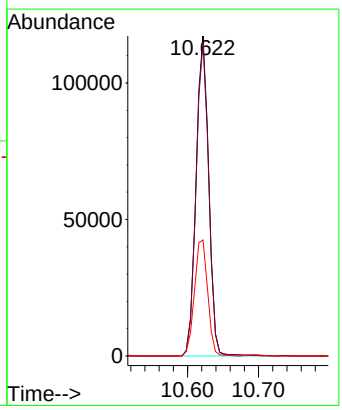


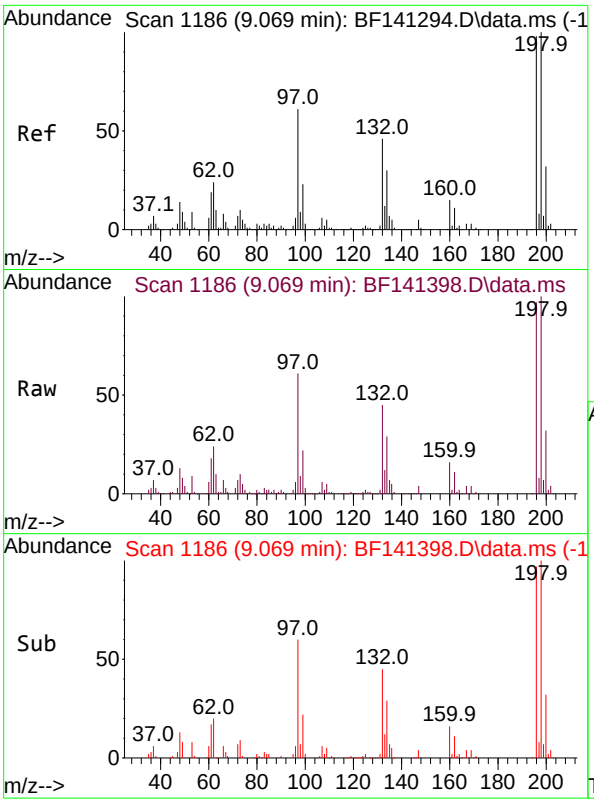




#42
2,4,6-Tribromophenol
Concen: 88.147 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:330 Resp: 145841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.3 | 76.1 | 114.1 |
| 141 | 37.8 | 28.8 | 43.2 |



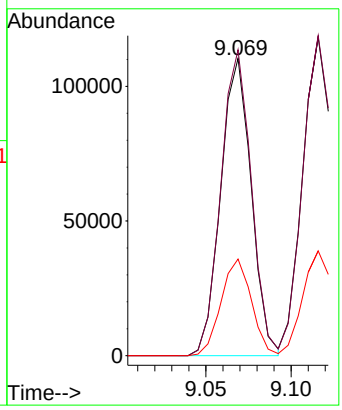


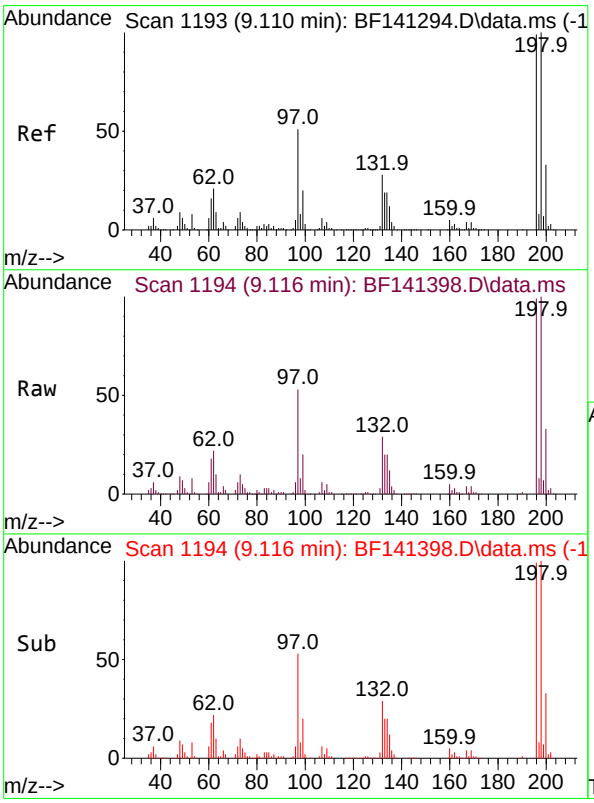

#43
2,4,6-Trichlorophenol
Concen: 41.007 ng
RT: 9.069 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:196 Resp: 137805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 102.9 | 81.8 | 122.6 |
| 200 | 32.5 | 26.3 | 39.5 |

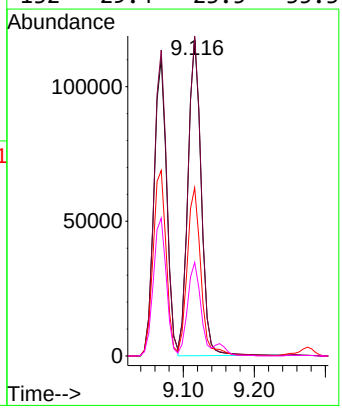


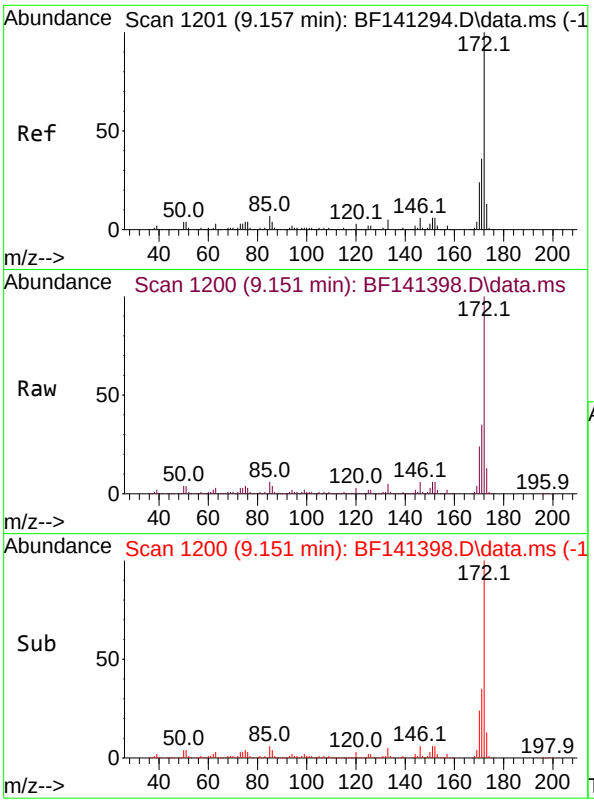




#44
2,4,5-Trichlorophenol
Concen: 41.577 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:196 Resp: 152071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.5 | 80.5 | 120.7 |
| 97 | 52.8 | 42.8 | 64.2 |
| 132 | 29.4 | 23.5 | 35.3 |



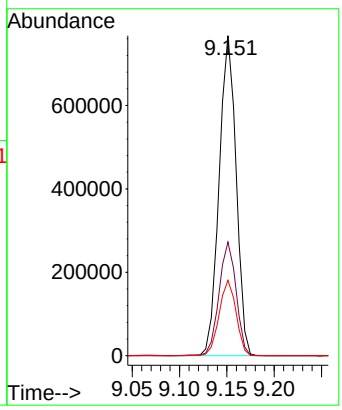


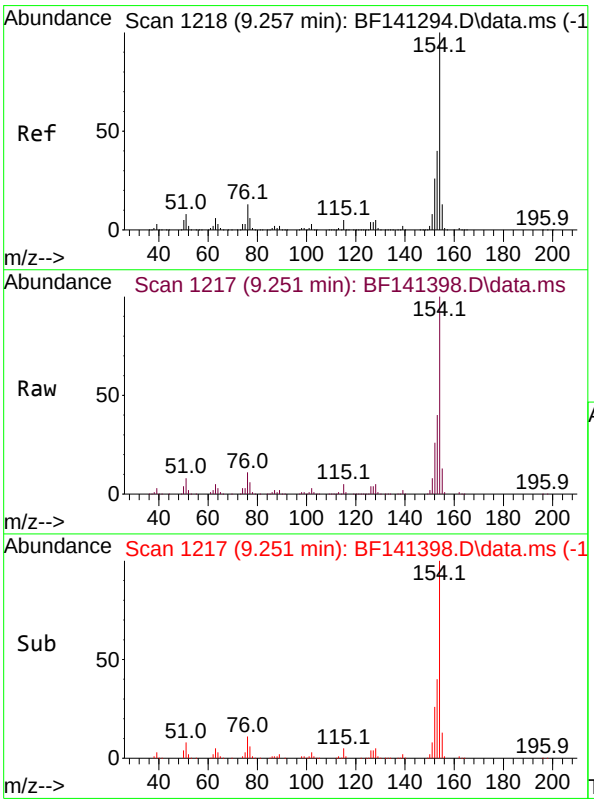

#45
2-Fluorobiphenyl
Concen: 81.771 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:172 Resp: 958786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 28.8 | 43.2 |
| 170 | 23.5 | 19.0 | 28.6 |

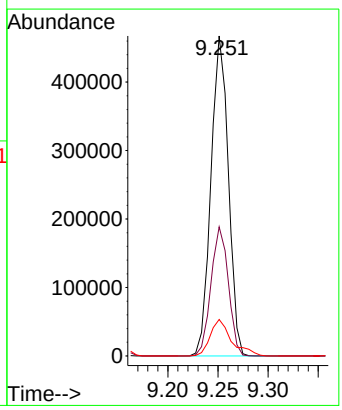


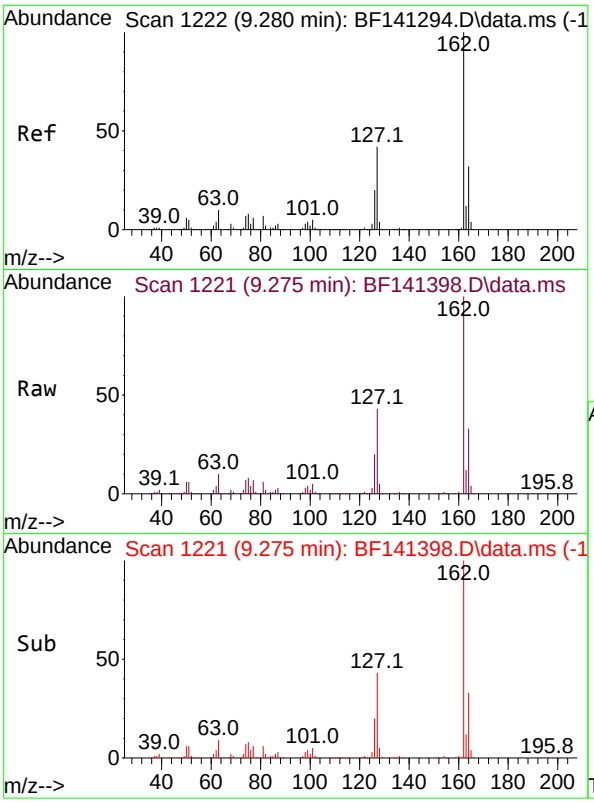




#46
1,1'-Biphenyl
Concen: 40.089 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:154 Resp: 564241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.4 | 20.0 | 60.0 |
| 76 | 11.4 | 0.0 | 32.8 |



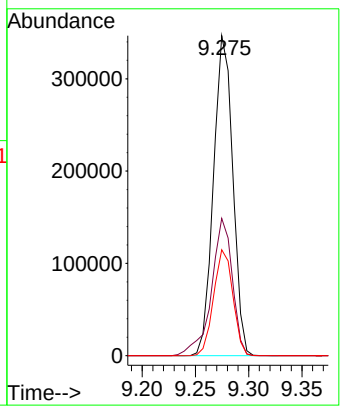


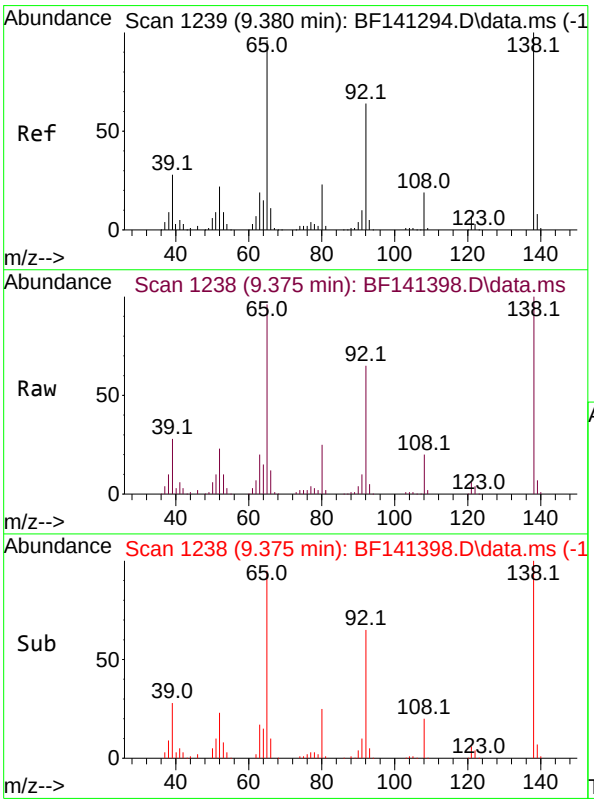

#47
2-Chloronaphthalene
Concen: 39.785 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 436455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.9 | 33.7 | 50.5 |
| 164 | 33.1 | 25.9 | 38.9 |

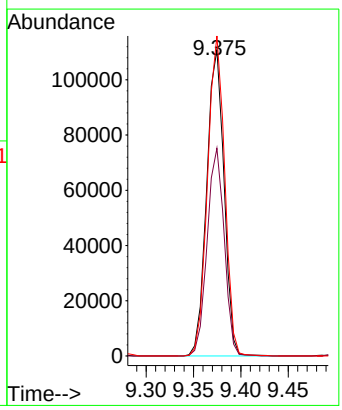


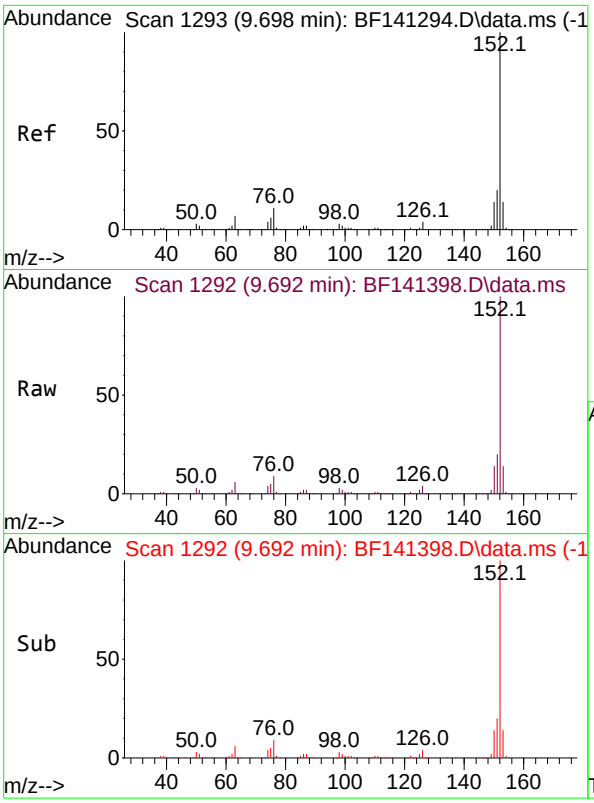




#48
2-Nitroaniline
Concen: 40.764 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 65 Resp: 140664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 67.8 | 53.3 | 79.9 |
| 138 | 104.5 | 83.6 | 125.4 |



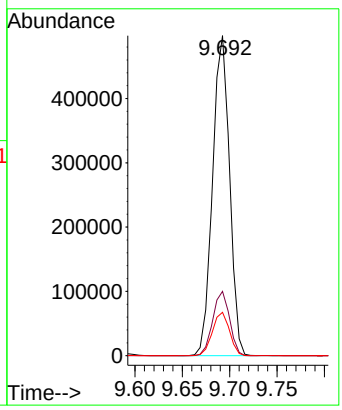


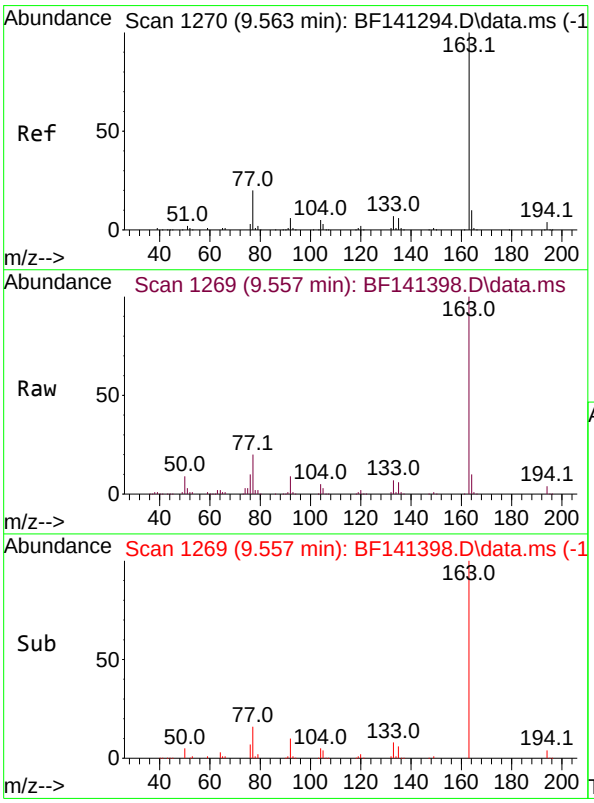

#49
Acenaphthylene
Concen: 40.360 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 619791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.2 | 24.2 |
| 153 | 13.6 | 11.0 | 16.6 |

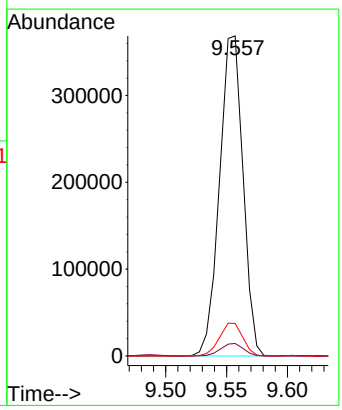


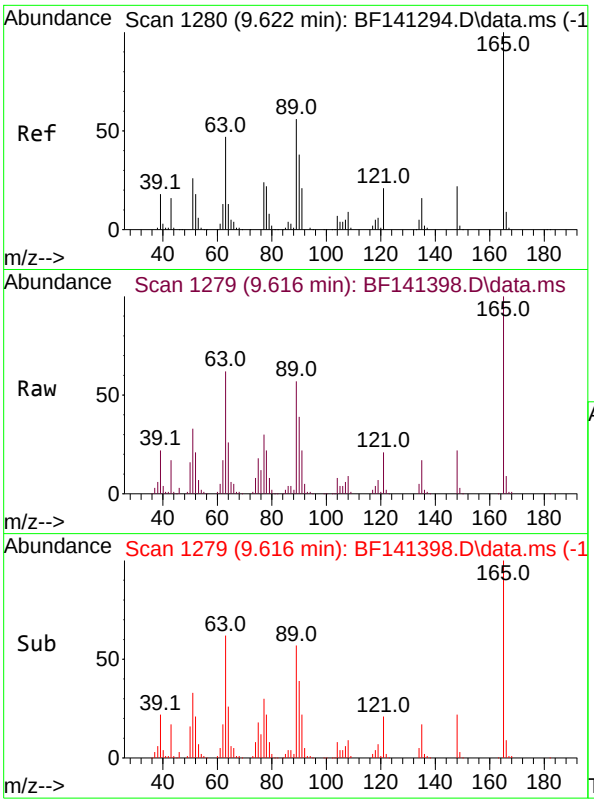




#50
Dimethylphthalate
Concen: 40.604 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:163 Resp: 494930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.0 | 4.6 |
| 164 | 10.2 | 8.0 | 12.0 |



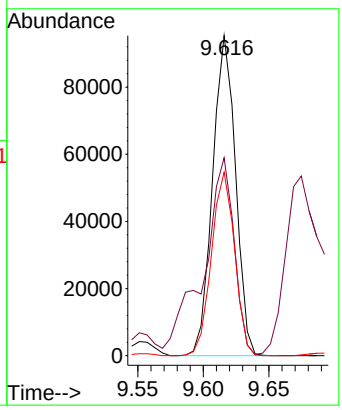


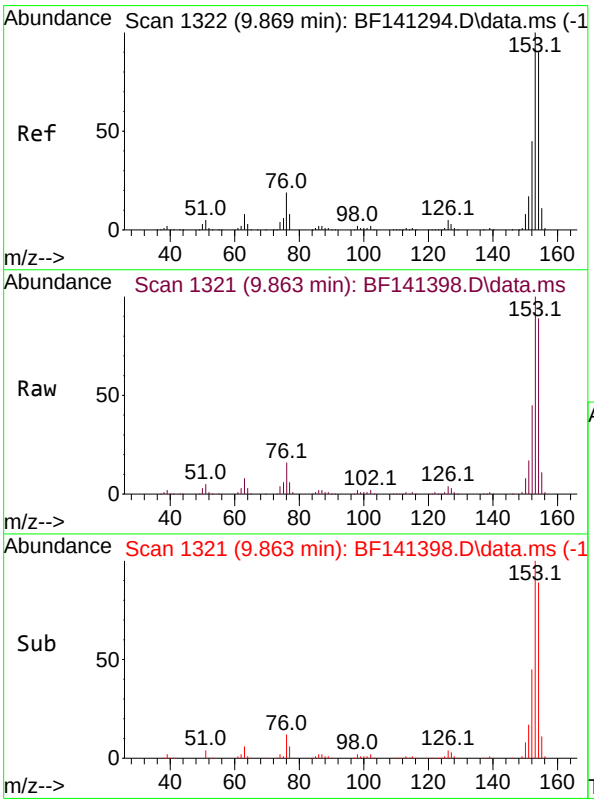

#51
2,6-Dinitrotoluene
Concen: 40.929 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 115835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.9 | 48.1 | 72.1 |
| 89 | 57.4 | 44.9 | 67.3 |

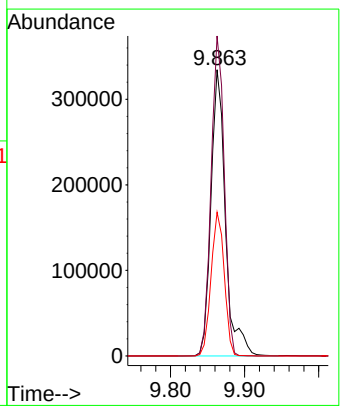


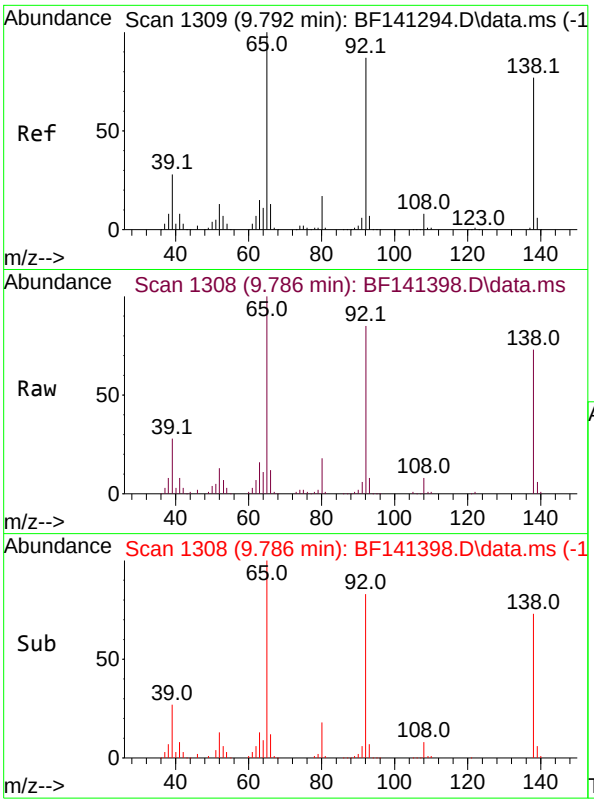




#52
Acenaphthene
Concen: 41.328 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:154 Resp: 453408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.8 | 89.0 | 133.4 |
| 152 | 50.2 | 40.2 | 60.4 |



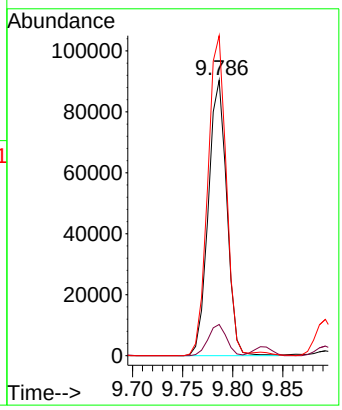


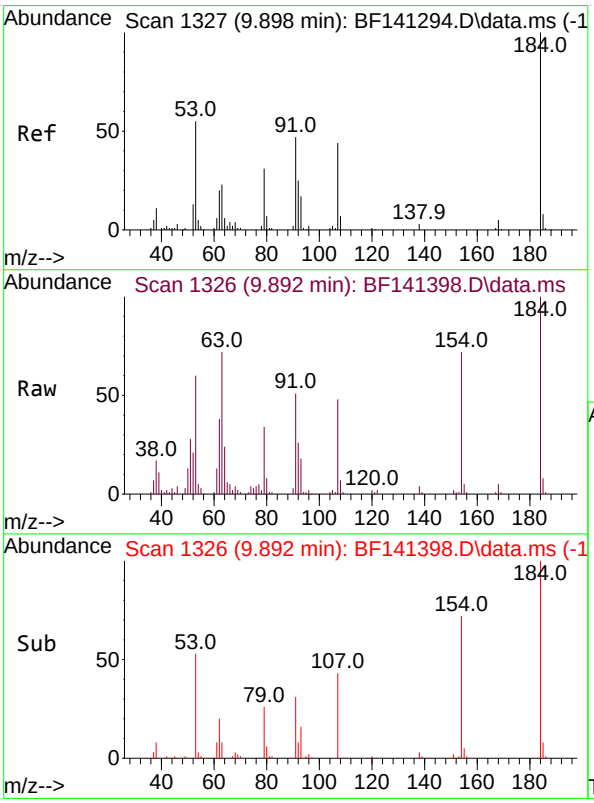

#53
3-Nitroaniline
Concen: 41.746 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:138 Resp: 115797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.3 | 8.6 | 12.8 |
| 92 | 116.2 | 91.0 | 136.6 |

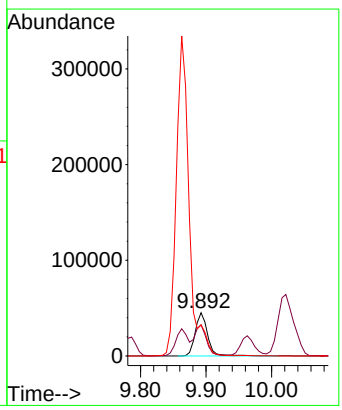


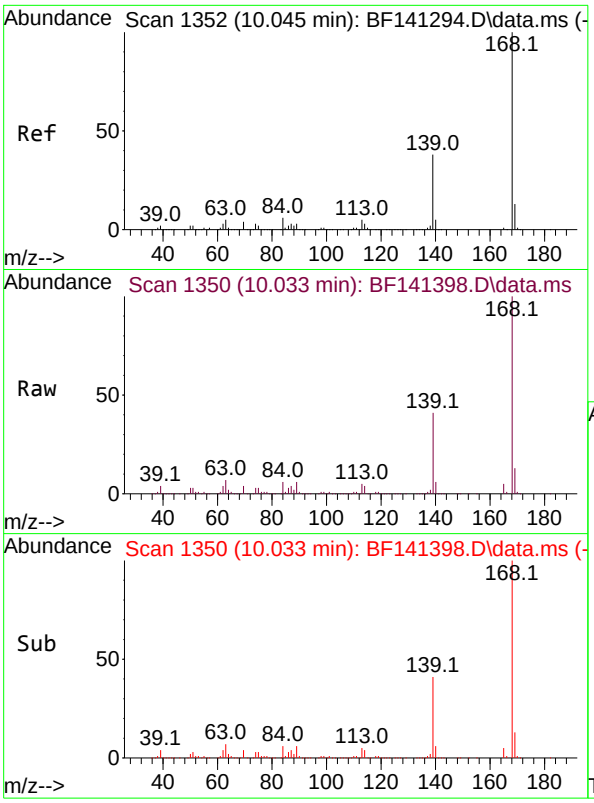




#54
2,4-Dinitrophenol
Concen: 45.240 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:184 Resp: 59519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 72.2 | 54.1 | 81.1 |
| 154 | 71.9 | 50.7 | 76.1 |



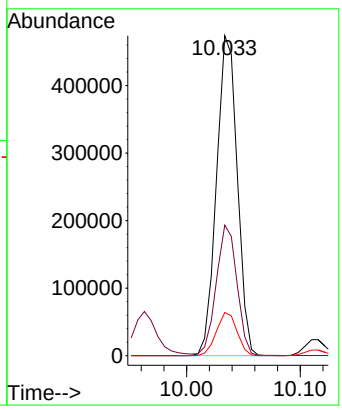


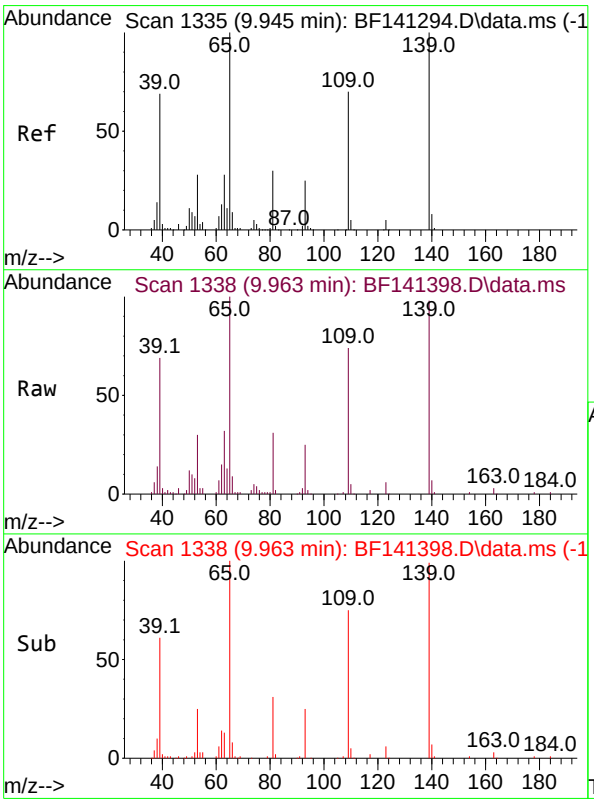

#55
Dibenzofuran
Concen: 41.022 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:168 Resp: 602409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.8 | 30.6 | 46.0 |
| 169 | 13.5 | 10.8 | 16.2 |

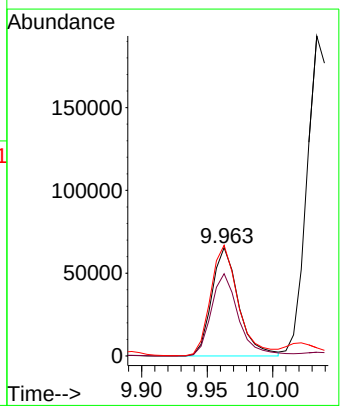


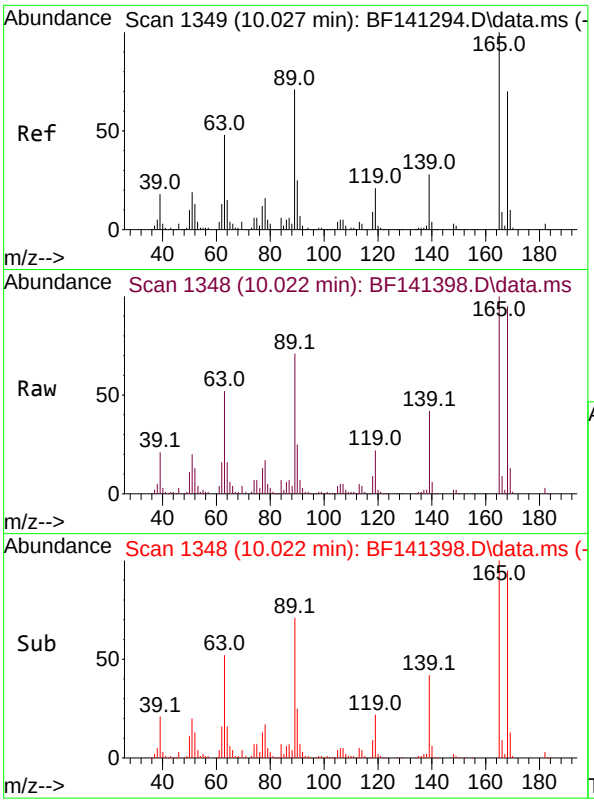




#56
4-Nitrophenol
Concen: 45.798 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:139 Resp: 92908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 76.0 | 50.2 | 90.2 |
| 65 | 102.3 | 80.6 | 120.6 |



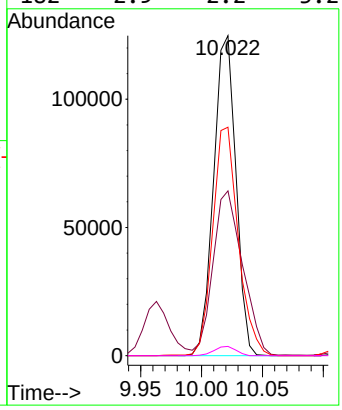


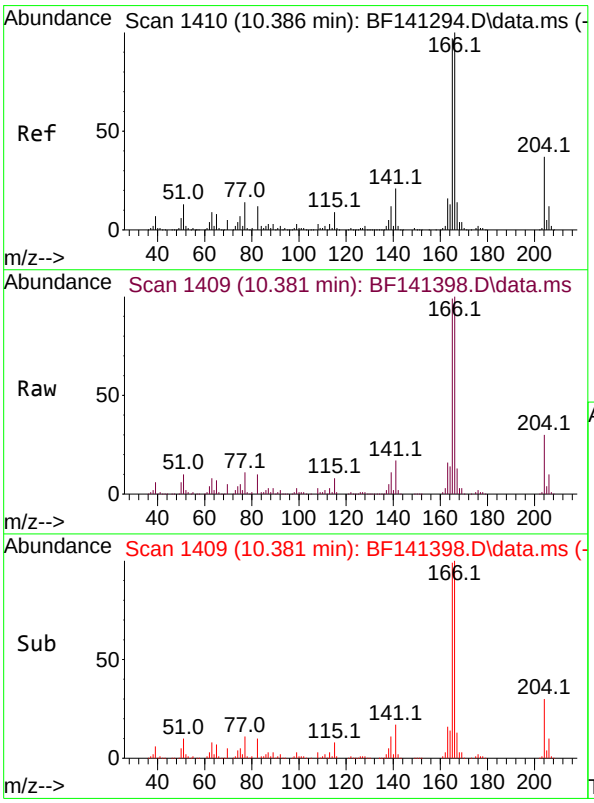

#57
2,4-Dinitrotoluene
Concen: 43.471 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 159291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 51.5 | 39.2 | 58.8 |
| 89 | 71.4 | 56.9 | 85.3 |
| 182 | 2.9 | 2.2 | 3.2 |

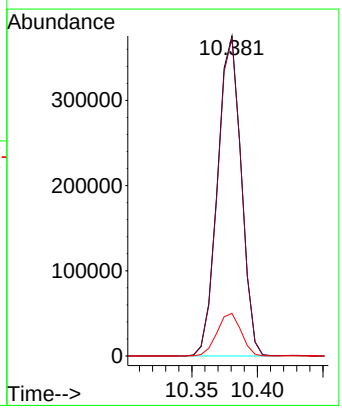


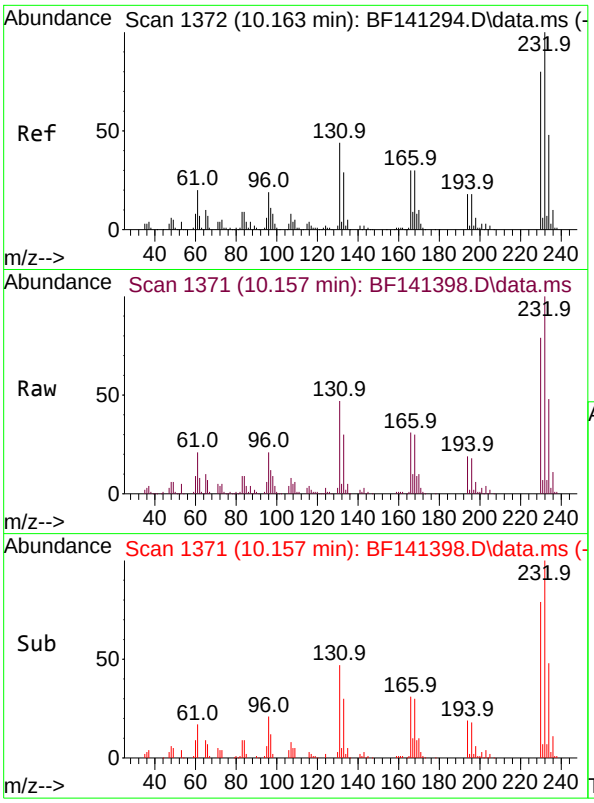




#58
Fluorene
Concen: 41.395 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:166 Resp: 471526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.3 | 77.5 | 116.3 |
| 167 | 13.3 | 10.9 | 16.3 |



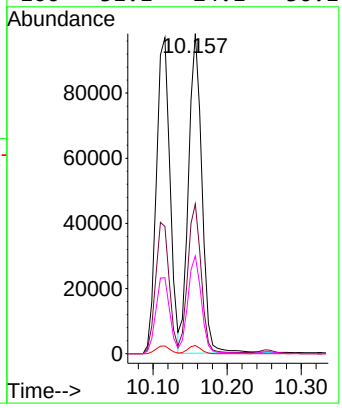


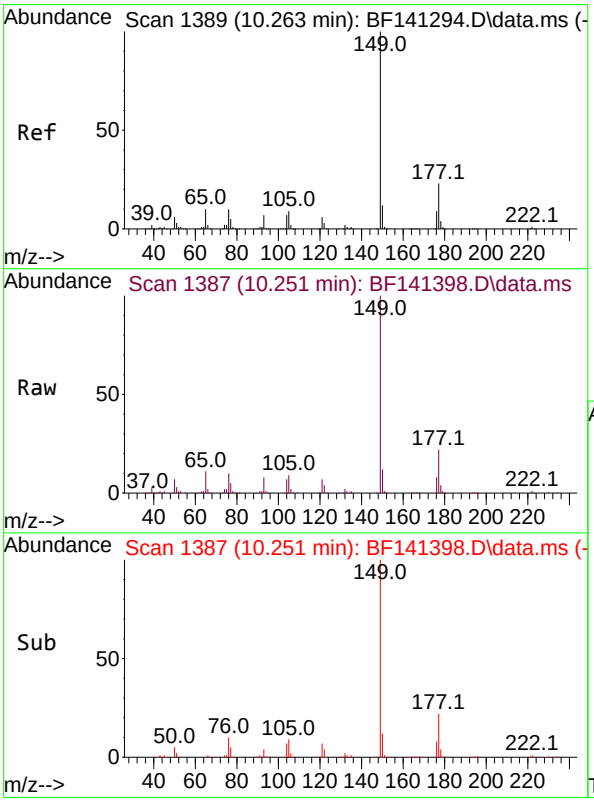

#59
2,3,4,6-Tetrachlorophenol
Concen: 42.803 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:232 Resp: 123166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 47.4 | 36.4 | 54.6 |
| 130 | 2.5 | 1.9 | 2.9 |
| 166 | 31.1 | 24.1 | 36.1 |

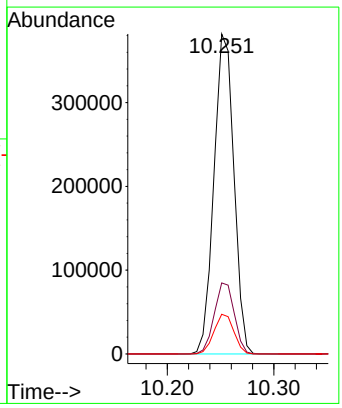


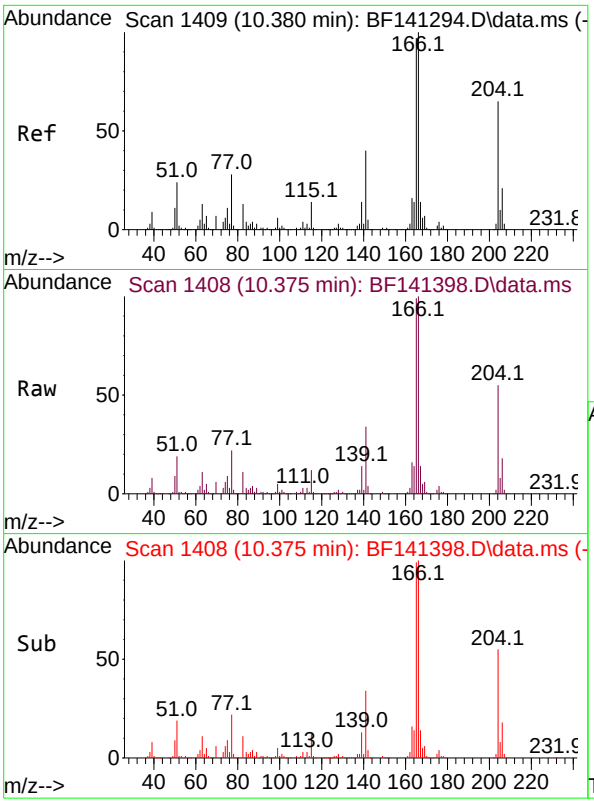




#60
Diethylphthalate
Concen: 41.956 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:149 Resp: 495870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.2 | 18.5 | 27.7 |
| 150 | 12.4 | 10.0 | 15.0 |



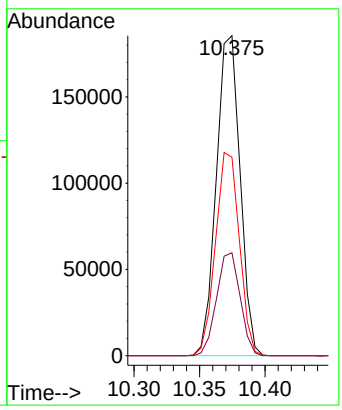


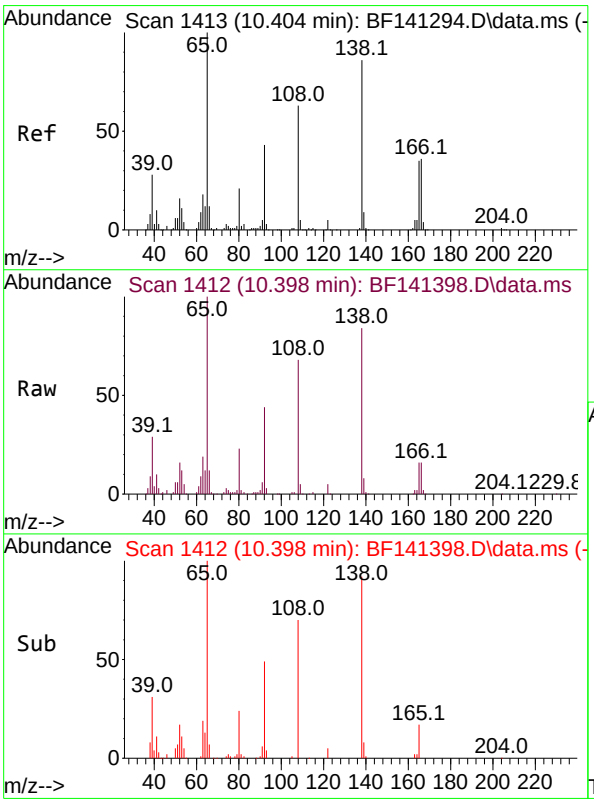

#61
4-Chlorophenyl-phenylether
Concen: 42.037 ng
RT: 10.375 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:204 Resp: 233902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.2 | 25.9 | 38.9 |
| 141 | 62.0 | 49.5 | 74.3 |

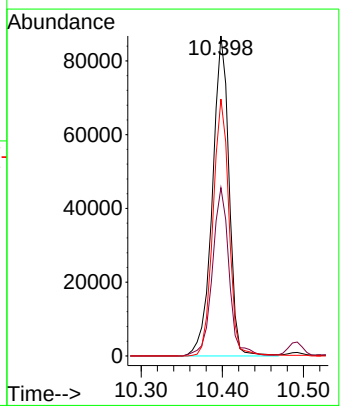


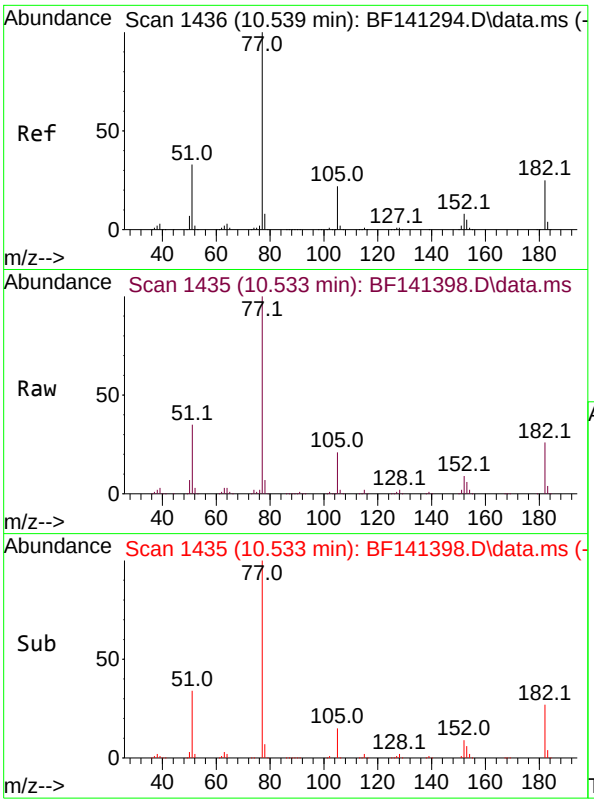




#62
4-Nitroaniline
Concen: 45.468 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:138 Resp: 123996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 52.6 | 30.1 | 70.1 |
| 108 | 80.3 | 53.1 | 93.1 |



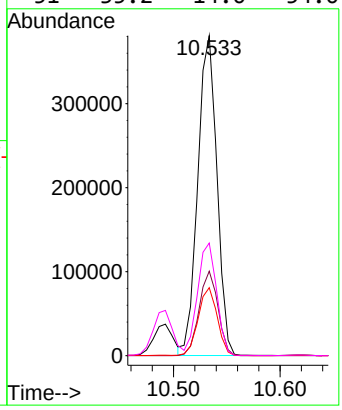


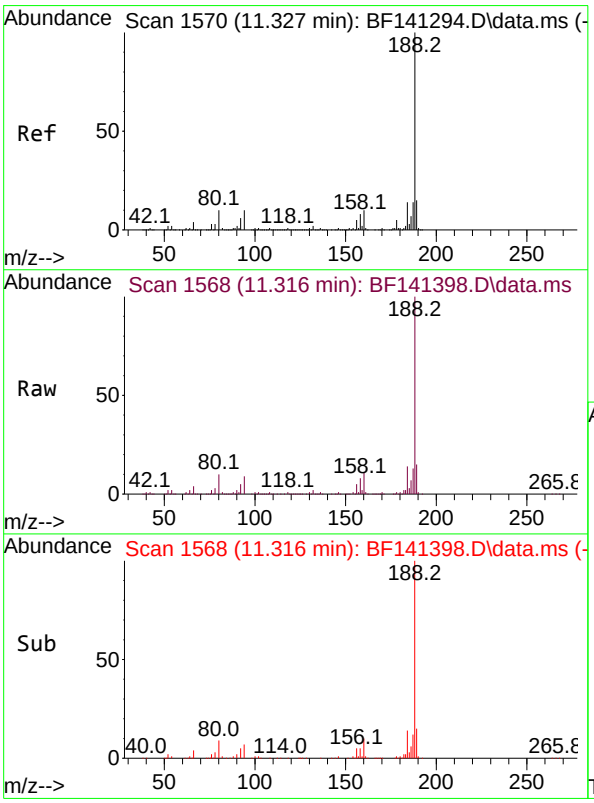

#63
Azobenzene
Concen: 40.234 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 475982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.4 | 5.1 | 45.1 |
| 105 | 21.3 | 1.8 | 41.8 |
| 51 | 35.2 | 14.0 | 54.0 |

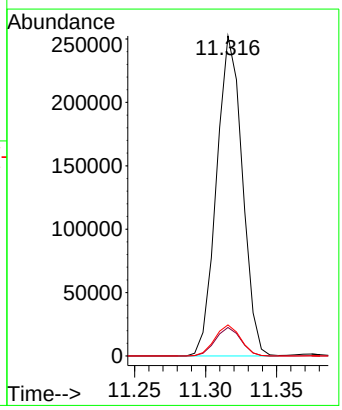


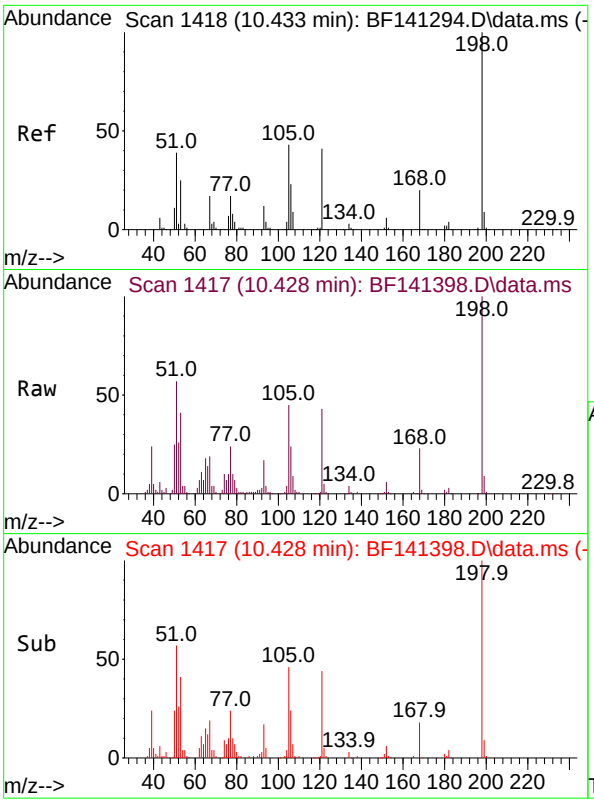




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:188 Resp: 318826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.9 | 7.8 | 11.6 |
| 80 | 9.7 | 8.2 | 12.4 |



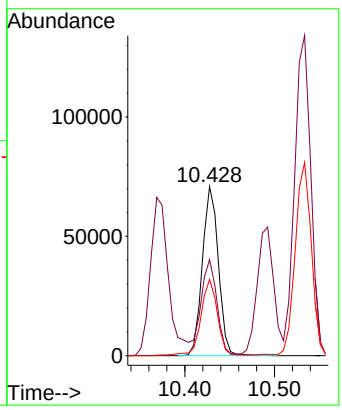


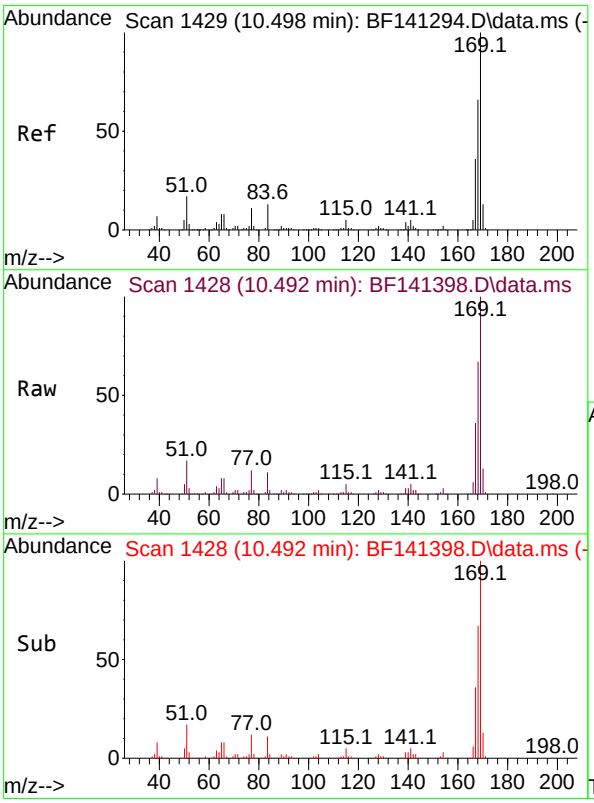

#65
4,6-Dinitro-2-methylphenol
Concen: 46.476 ng
RT: 10.428 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:198 Resp: 87646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 56.8 | 33.4 | 73.4 |
| 105 | 45.1 | 24.4 | 64.4 |

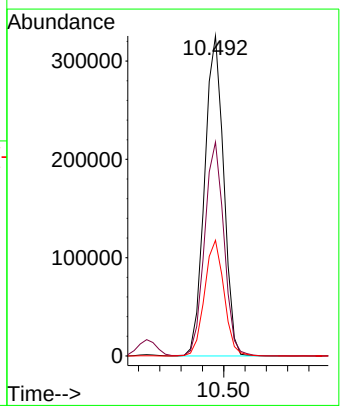


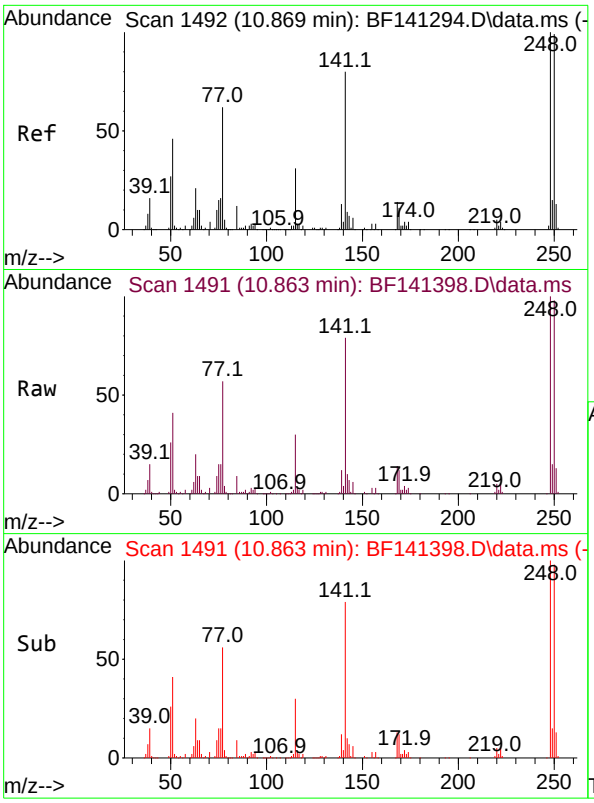




#66
n-Nitrosodiphenylamine
Concen: 39.195 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:169 Resp: 404177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.8 | 53.0 | 79.4 |
| 167 | 36.2 | 28.8 | 43.2 |



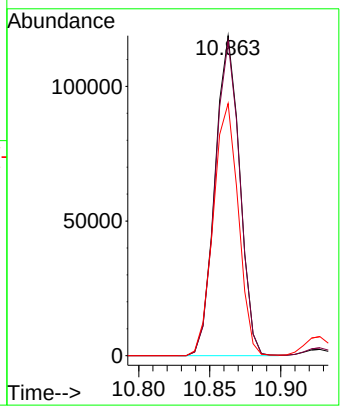


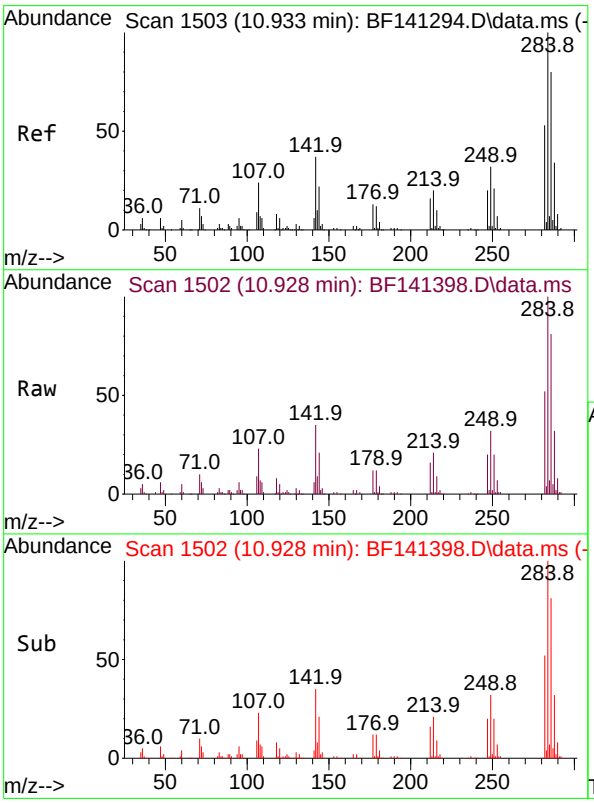

#67
4-Bromophenyl-phenylether
Concen: 40.154 ng
RT: 10.863 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:248 Resp: 143325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.2 | 79.0 | 118.4 |
| 141 | 78.8 | 63.7 | 95.5 |

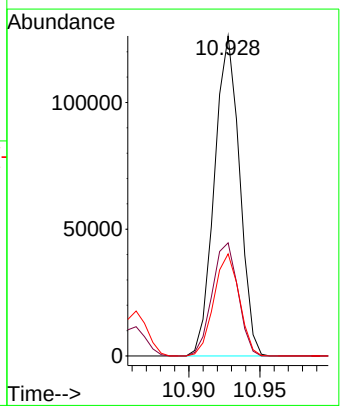


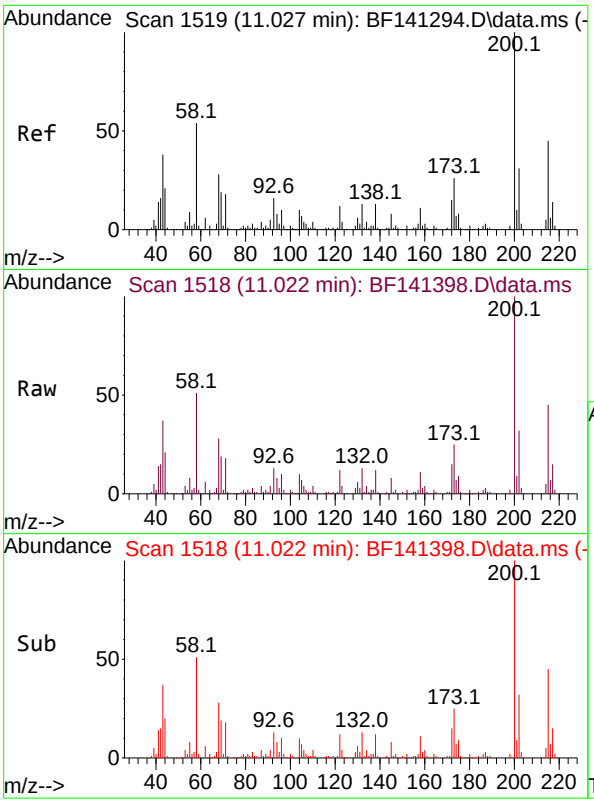




#68
Hexachlorobenzene
Concen: 40.974 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:284 Resp: 155137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 35.3 | 29.5 | 44.3 |
| 249 | 31.9 | 25.4 | 38.2 |



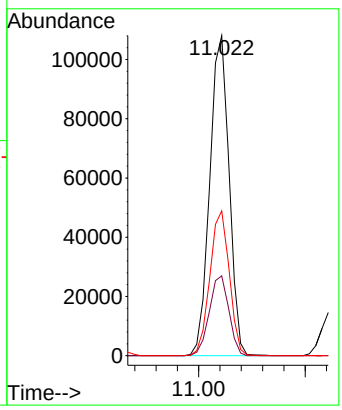


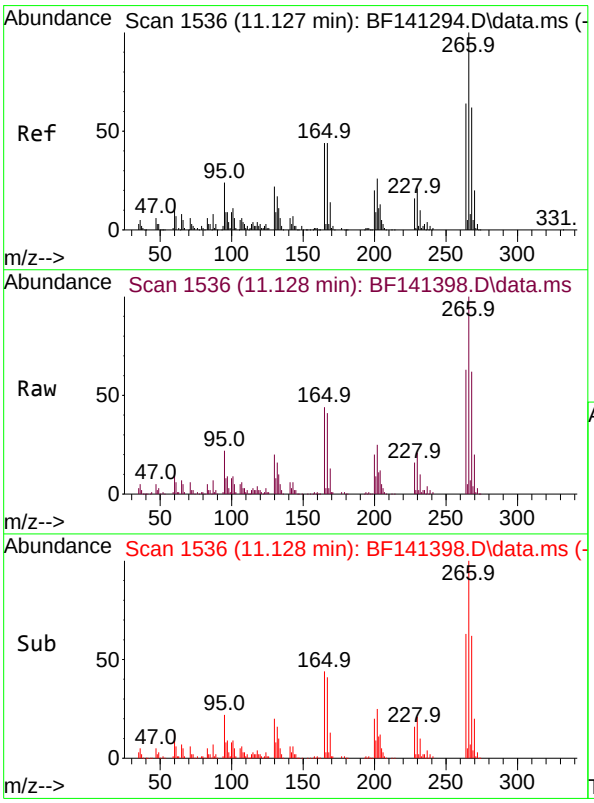

#69
Atrazine
Concen: 39.568 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:200 Resp: 136423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.0 | 5.9 | 45.9 |
| 215 | 45.3 | 25.2 | 65.2 |

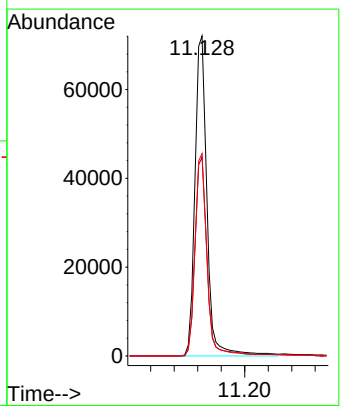


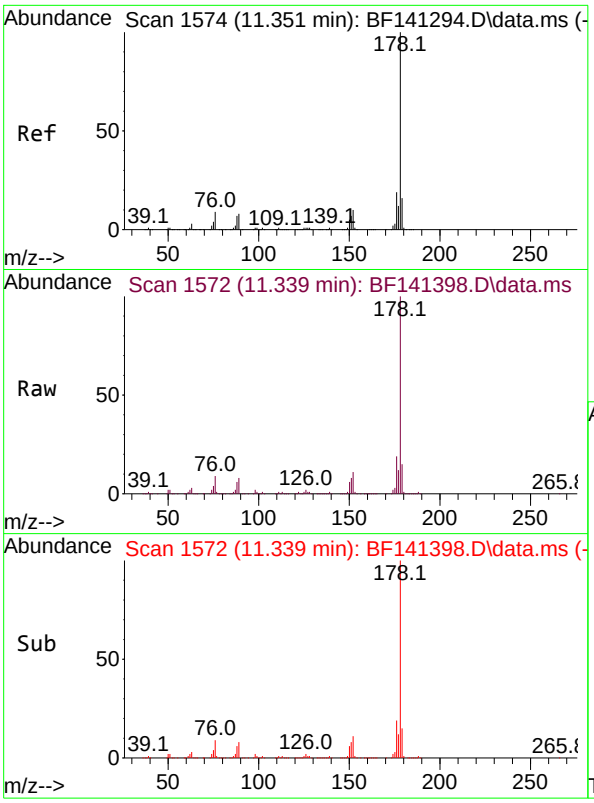




#70
Pentachlorophenol
Concen: 46.366 ng
RT: 11.128 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:266 Resp: 102799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.2 | 49.9 | 74.9 |
| 264 | 63.2 | 51.0 | 76.4 |



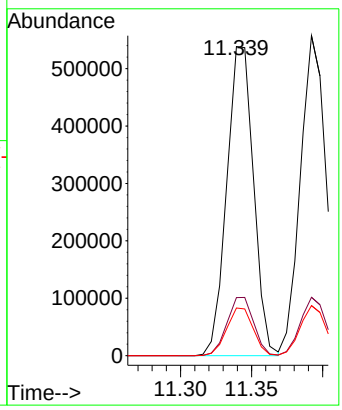


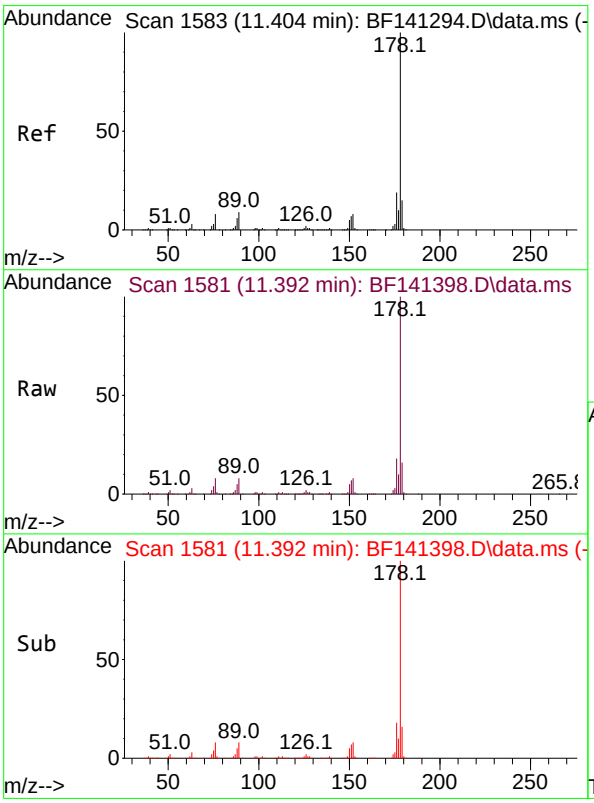

#71
Phenanthrene
Concen: 41.259 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:178 Resp: 707114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.3 | 22.9 |
| 179 | 15.4 | 12.5 | 18.7 |

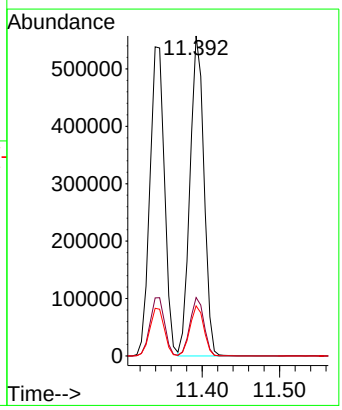


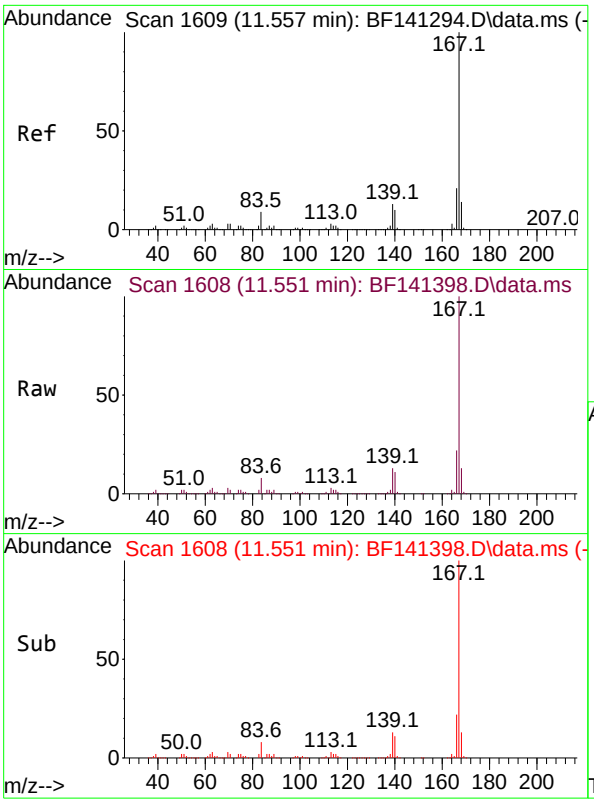




#72
Anthracene
Concen: 41.470 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:178 Resp: 696374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.3 | 15.0 | 22.6 |
| 179 | 15.7 | 12.3 | 18.5 |



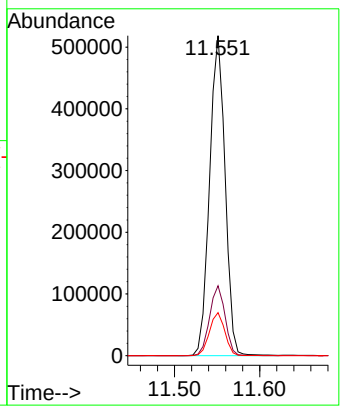


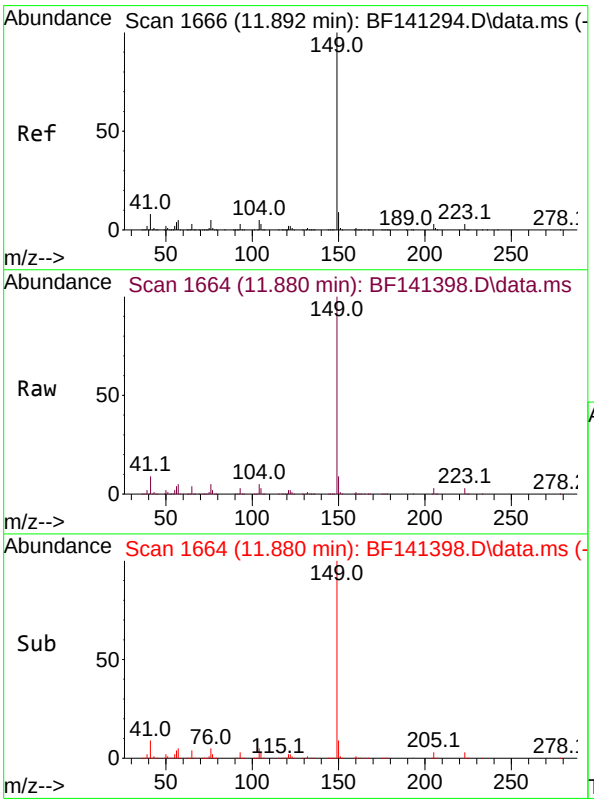

#73
Carbazole
Concen: 44.044 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:167 Resp: 655823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.0 | 25.6 |
| 139 | 13.4 | 10.6 | 16.0 |

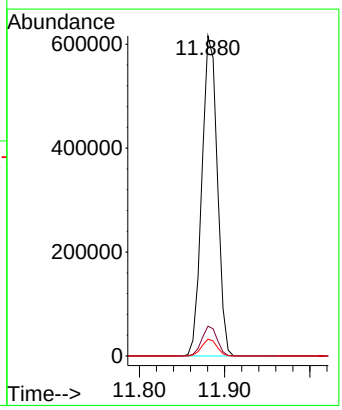


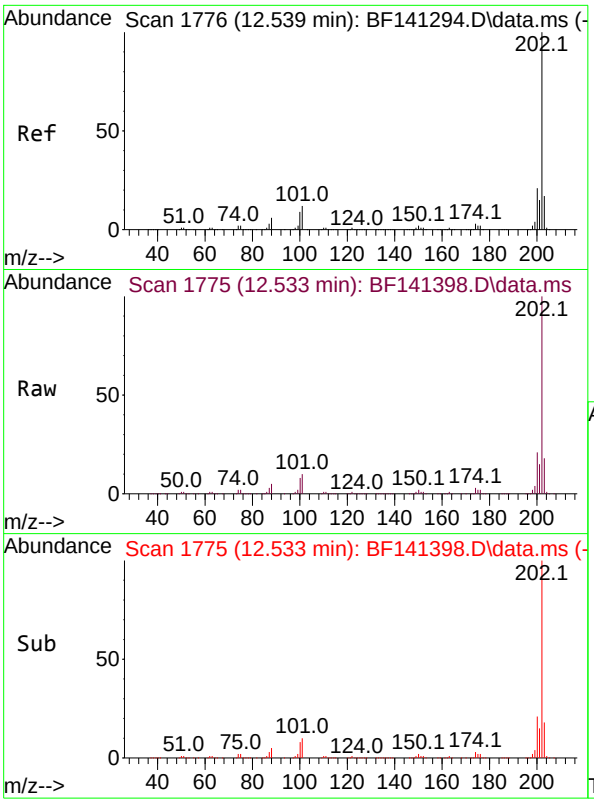




#74
Di-n-butylphthalate
Concen: 42.899 ng
RT: 11.880 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:149 Resp: 774119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.4 | 11.2 |
| 104 | 5.3 | 3.9 | 5.9 |



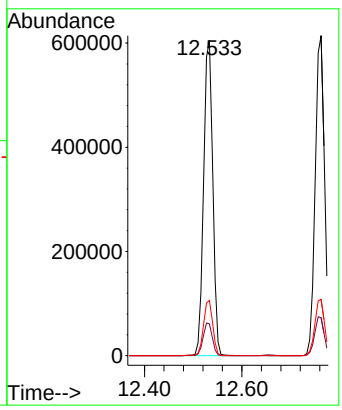


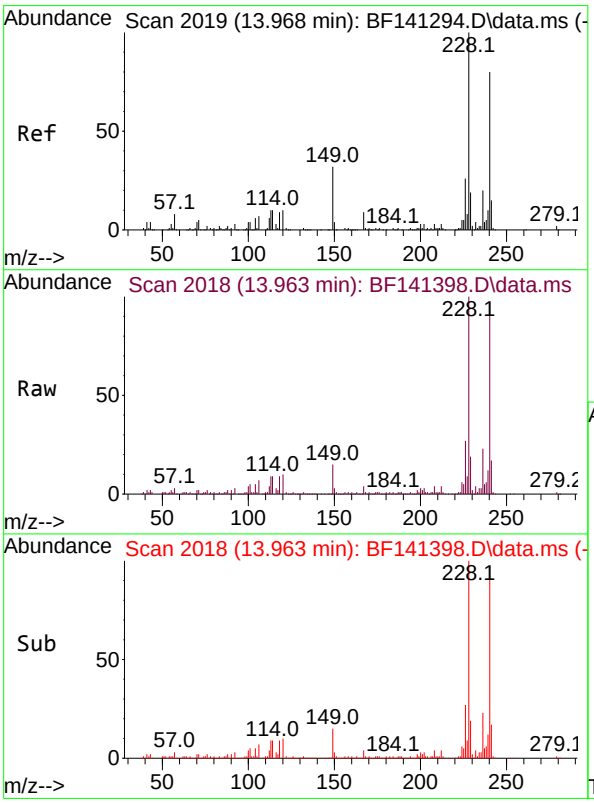

#75
Fluoranthene
Concen: 46.710 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:202 Resp: 790425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.1 | 0.0 | 31.7 |
| 203 | 17.5 | 0.0 | 37.5 |

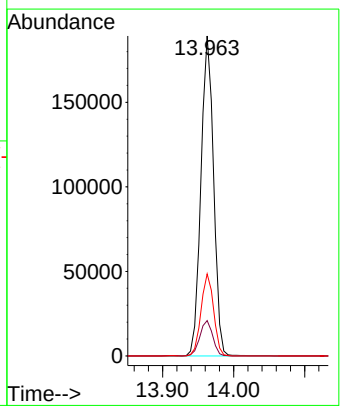


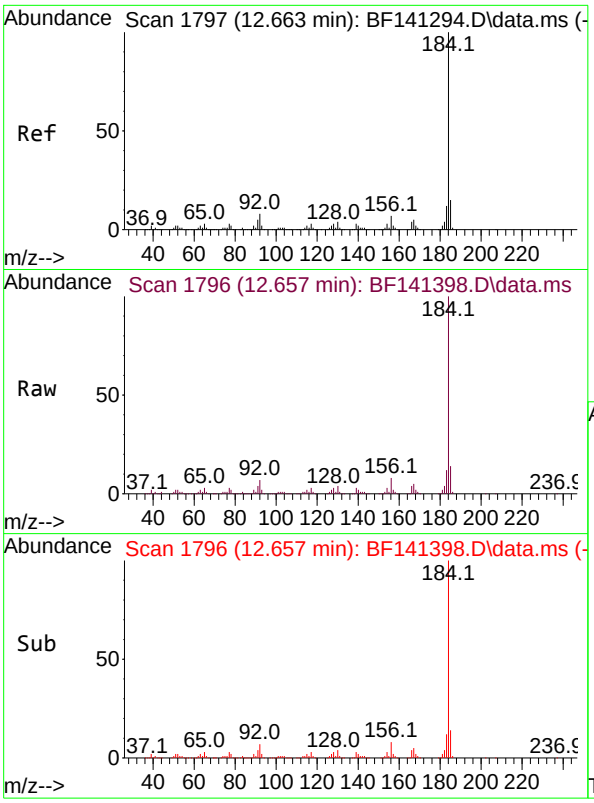




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:240 Resp: 235294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.1 | 10.0 | 15.0 |
| 236 | 25.6 | 19.7 | 29.5 |



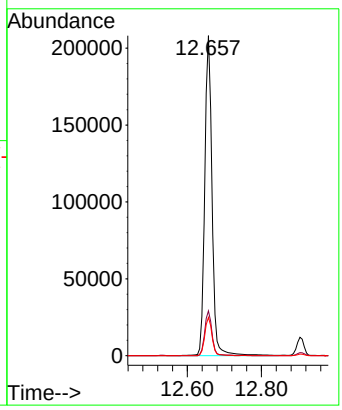


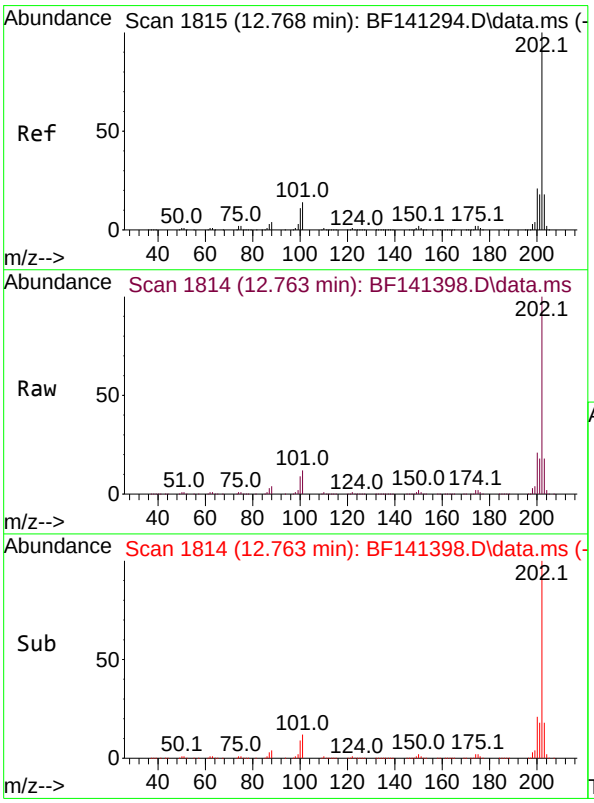

#77
Benzidine
Concen: 37.710 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:184 Resp: 284455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.0 | 11.9 | 17.9 |
| 183 | 12.0 | 9.5 | 14.3 |

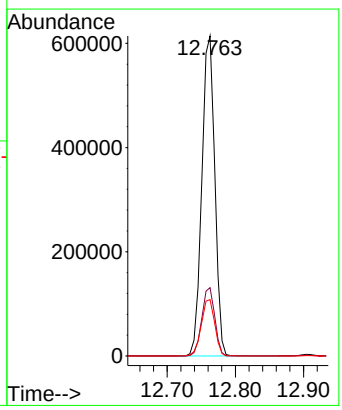


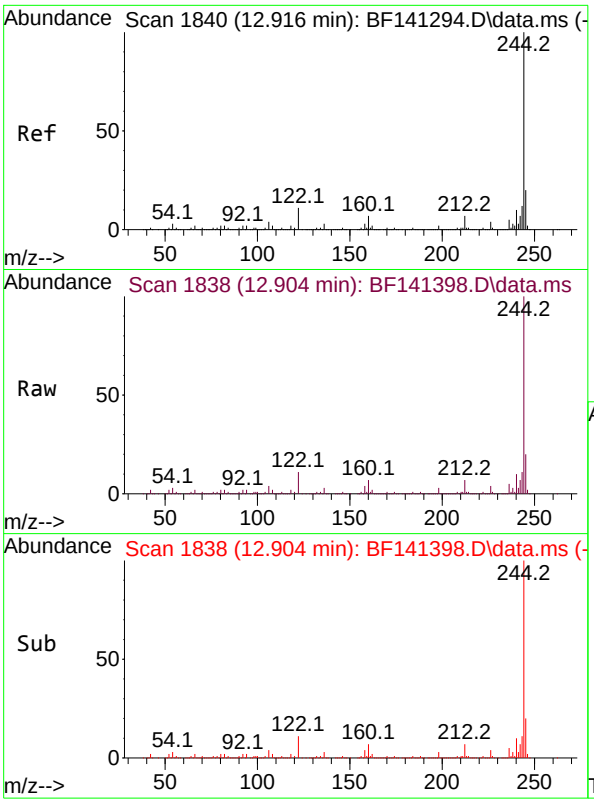




#78
Pyrene
Concen: 36.018 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:202 Resp: 813495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 17.0 | 25.4 |
| 203 | 17.6 | 14.3 | 21.5 |



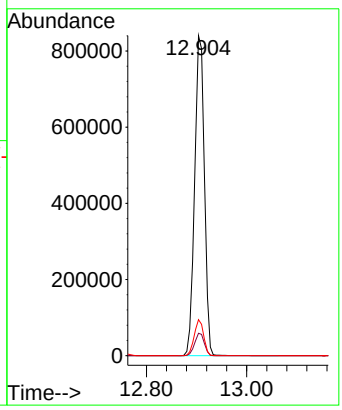


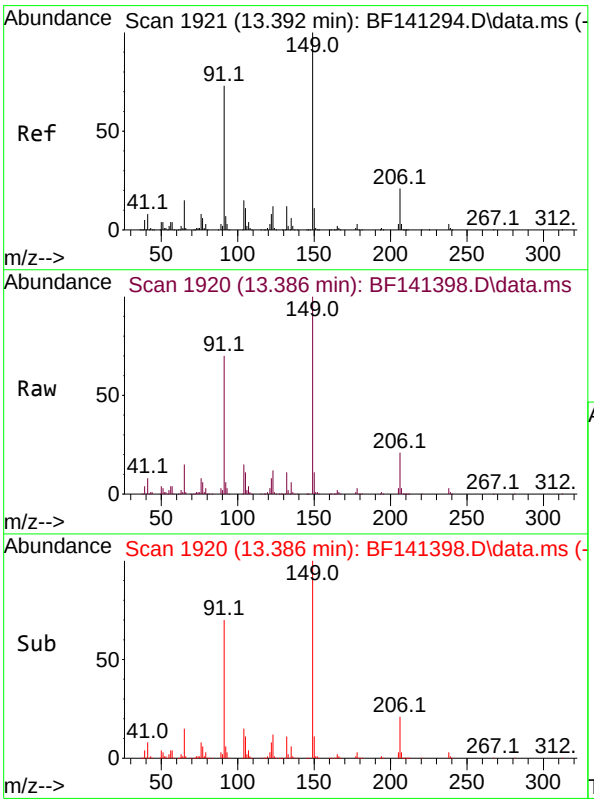

#79
Terphenyl-d14
Concen: 74.022 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:244 Resp: 1129373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.4 | 8.0 |
| 122 | 11.3 | 8.8 | 13.2 |

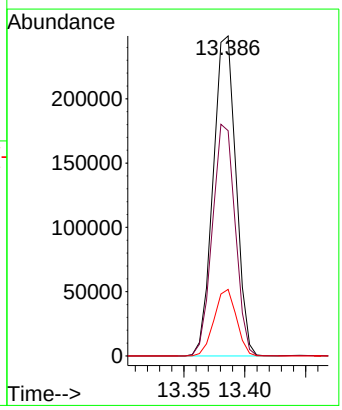


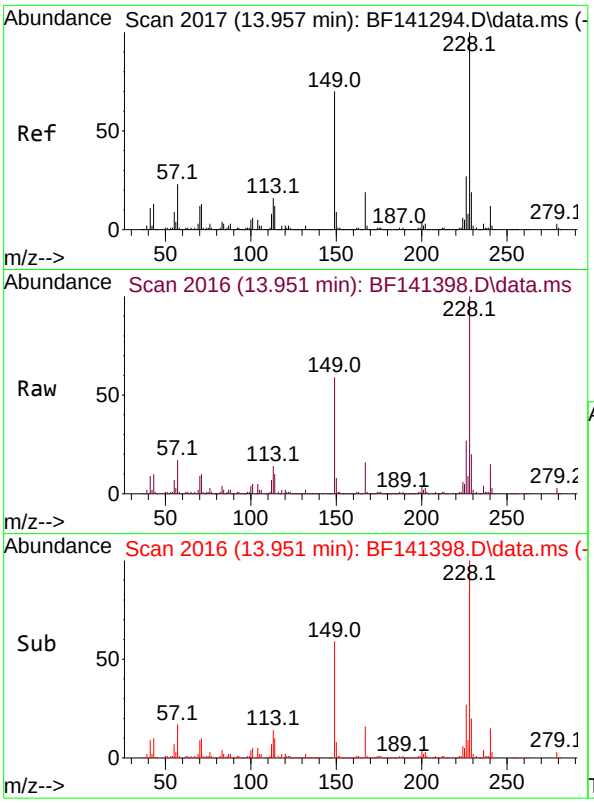




#80
Butylbenzylphthalate
Concen: 41.239 ng
RT: 13.386 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:149 Resp: 325399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 70.4 | 58.6 | 87.8 |
| 206 | 20.8 | 16.7 | 25.1 |



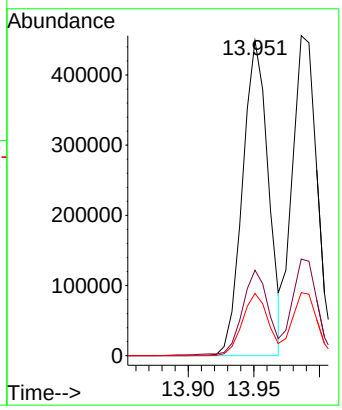


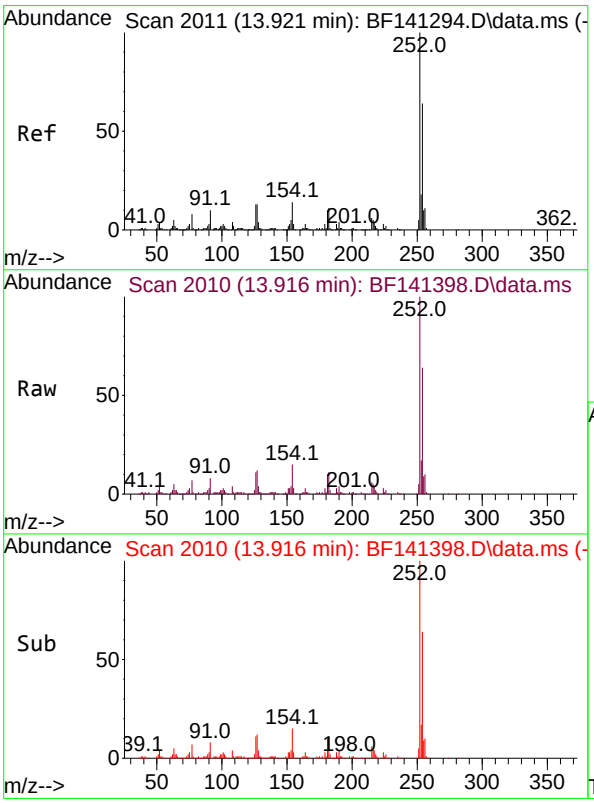

#81
Benzo(a)anthracene
Concen: 37.824 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 614138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.1 | 21.4 | 32.2 |
| 229 | 19.8 | 15.5 | 23.3 |

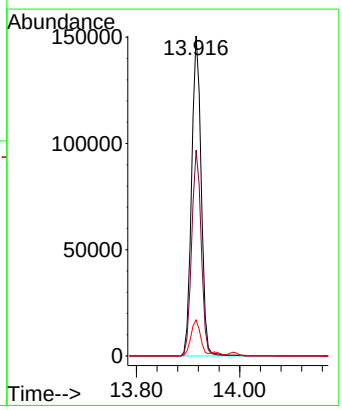


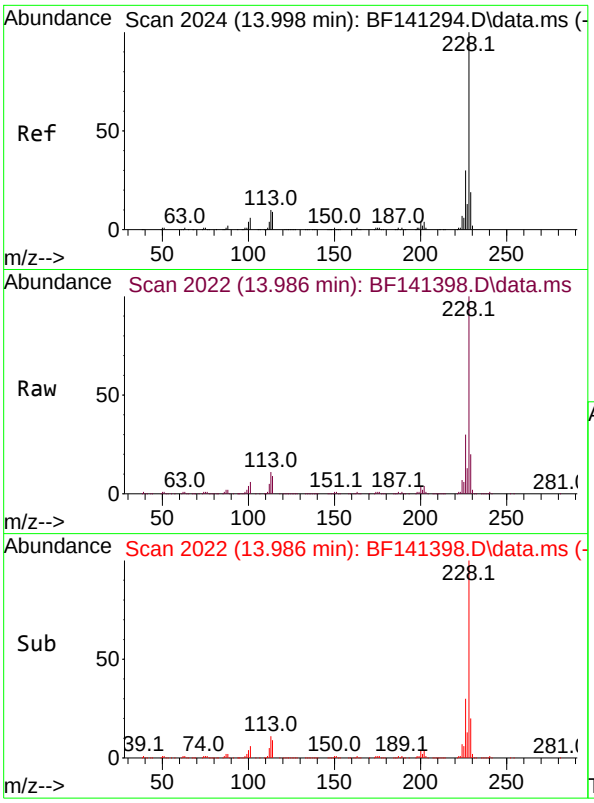




#82
3,3'-Dichlorobenzidine
Concen: 37.529 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:252 Resp: 193800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.3 | 51.3 | 76.9 |
| 126 | 11.3 | 10.0 | 15.0 |



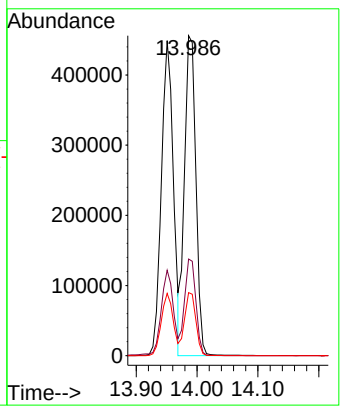


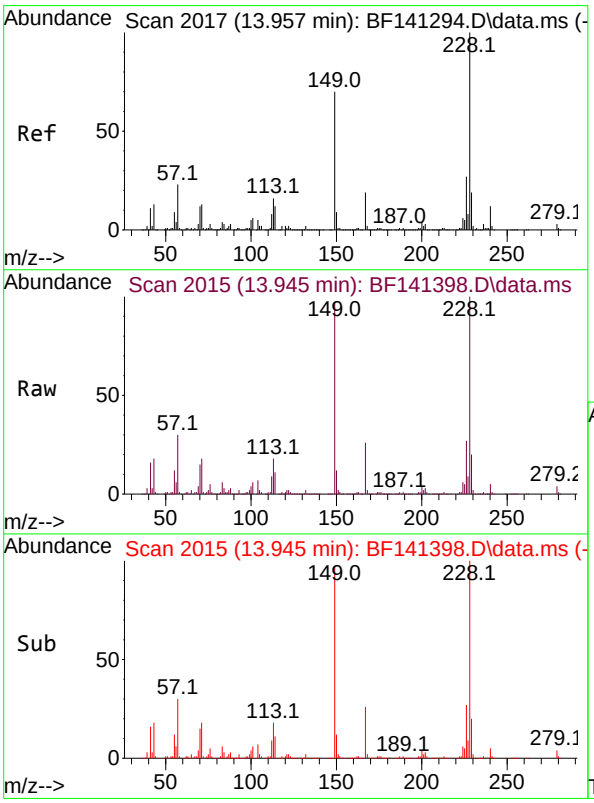

#83
Chrysene
Concen: 40.160 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 597592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.1 | 36.1 |
| 229 | 19.7 | 15.6 | 23.4 |

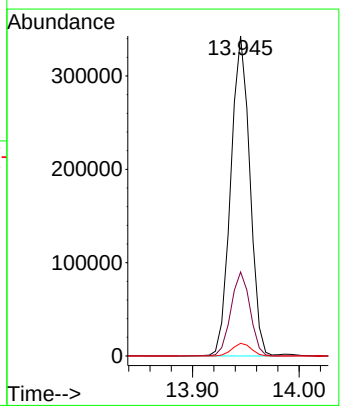


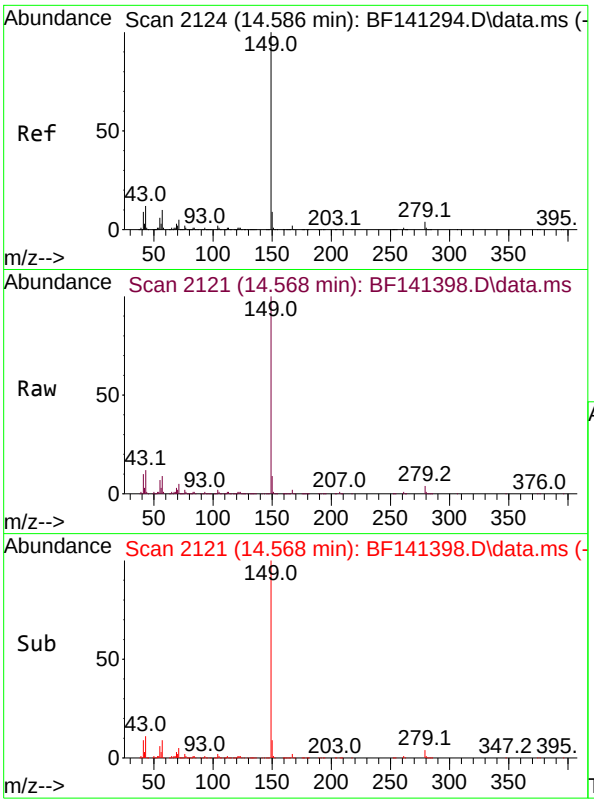




#84
Bis(2-ethylhexyl)phthalate
Concen: 42.781 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:149 Resp: 428215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.3 | 21.8 | 32.8 |
| 279 | 3.9 | 3.3 | 4.9 |



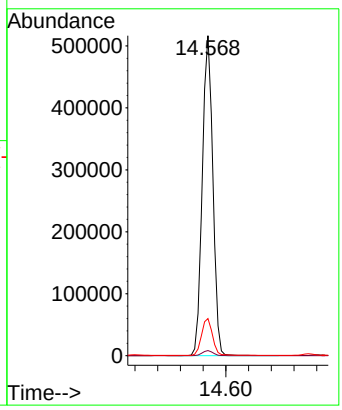


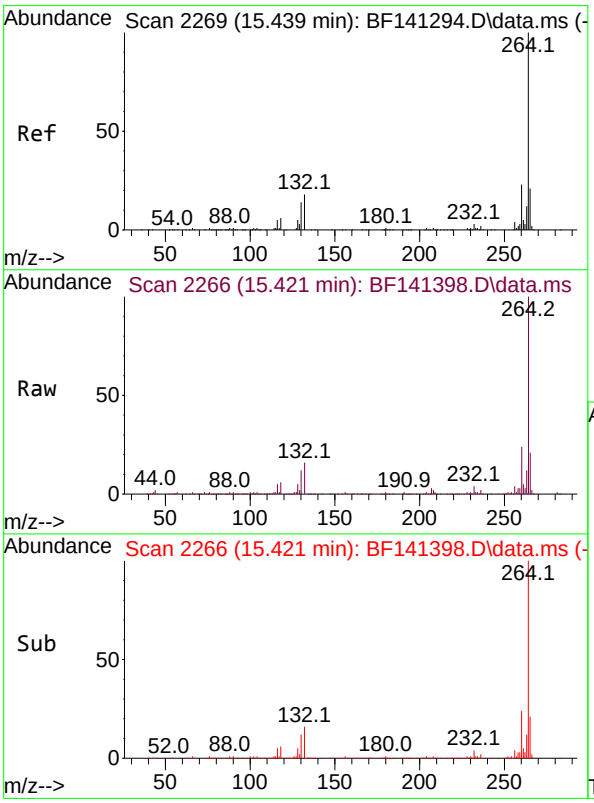

#85
Di-n-octyl phthalate
Concen: 42.840 ng
RT: 14.568 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:149 Resp: 666025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 11.9 | 9.8 | 14.8 |

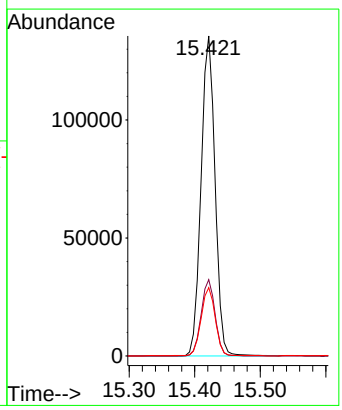


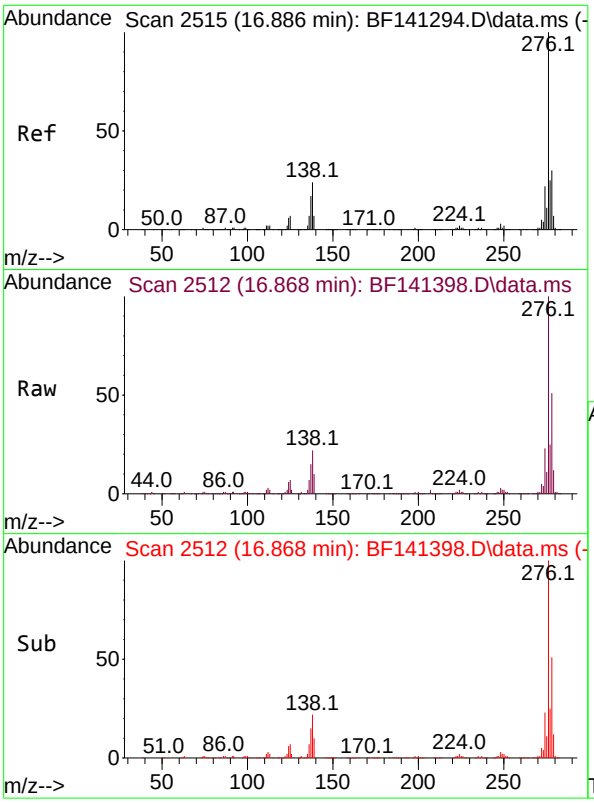




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:264 Resp: 201713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 18.6 | 27.8 |
| 265 | 21.4 | 16.7 | 25.1 |



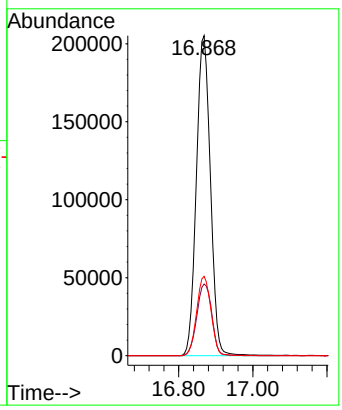


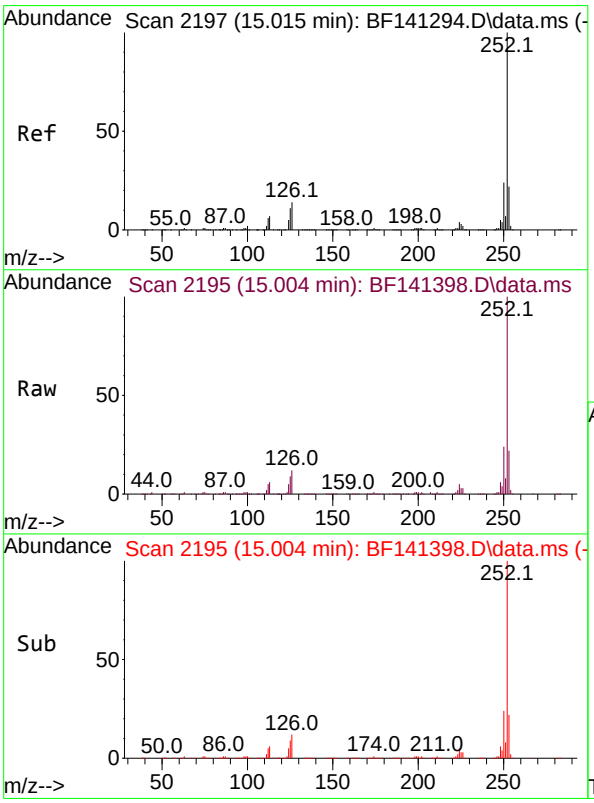

#87
Indeno(1,2,3-cd)pyrene
Concen: 41.469 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:276 Resp: 539887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.8 | 21.7 | 32.5 |
| 277 | 25.2 | 20.3 | 30.5 |

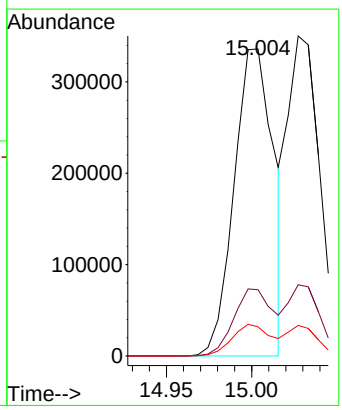


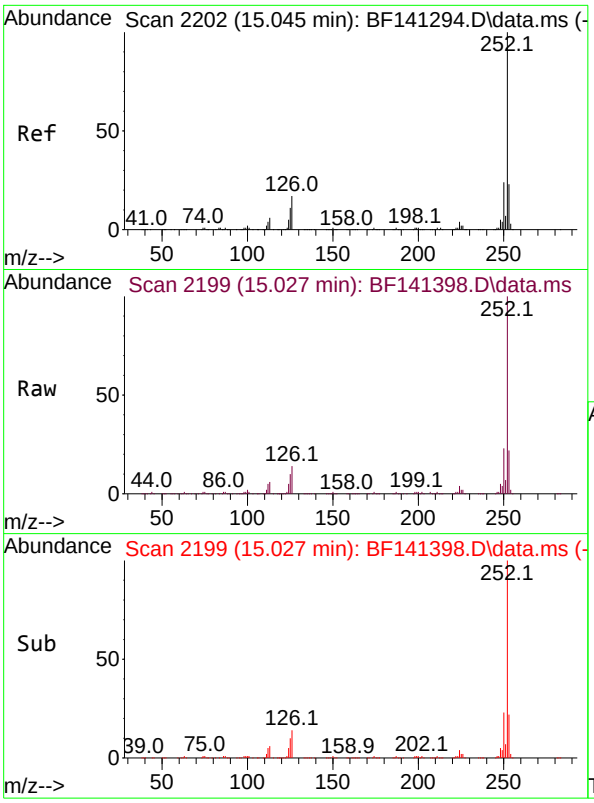




#88
Benzo(b)fluoranthene
Concen: 42.641 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:252 Resp: 541045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.4 | 26.2 |
| 125 | 9.5 | 8.6 | 12.8 |



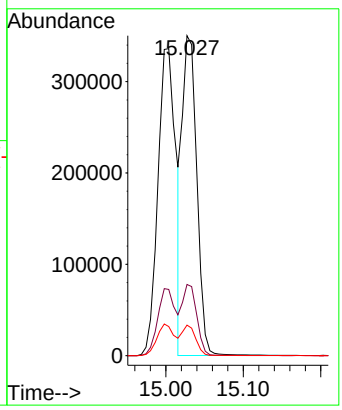


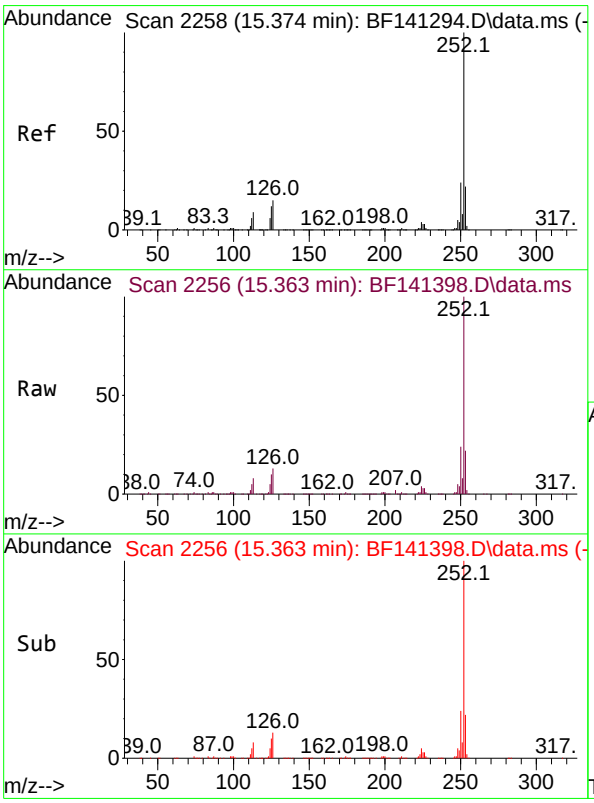

#89
Benzo(k)fluoranthene
Concen: 40.917 ng
RT: 15.027 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:252 Resp: 459921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.6 | 26.4 |
| 125 | 9.5 | 8.4 | 12.6 |

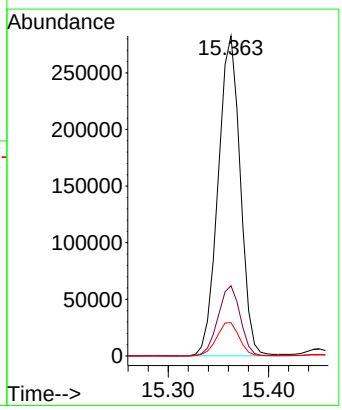


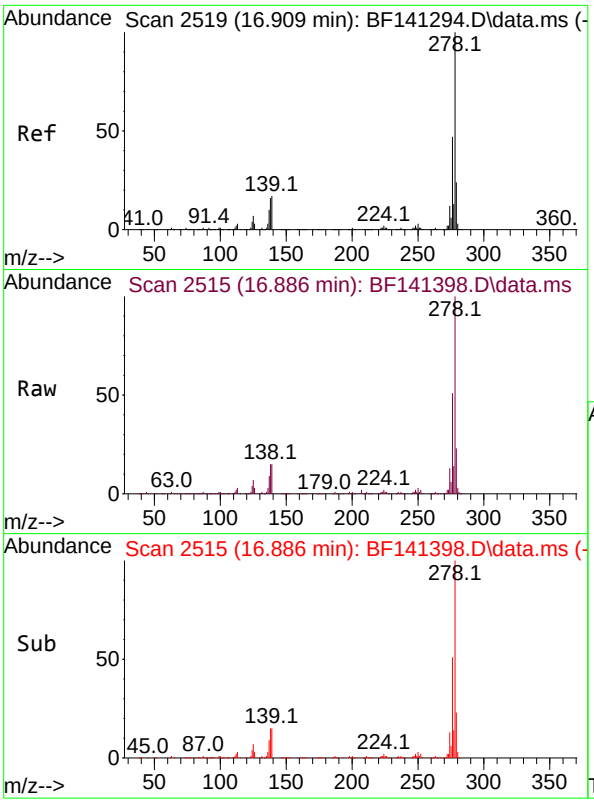




#90
Benzo(a)pyrene
Concen: 40.330 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:252 Resp: 432427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.2 | 25.8 |
| 125 | 10.4 | 9.4 | 14.2 |



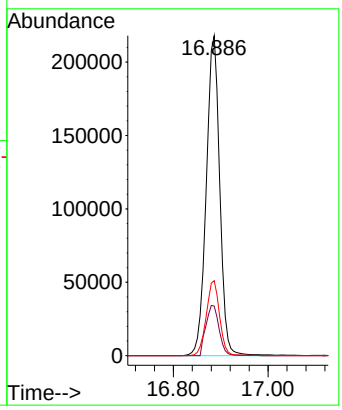


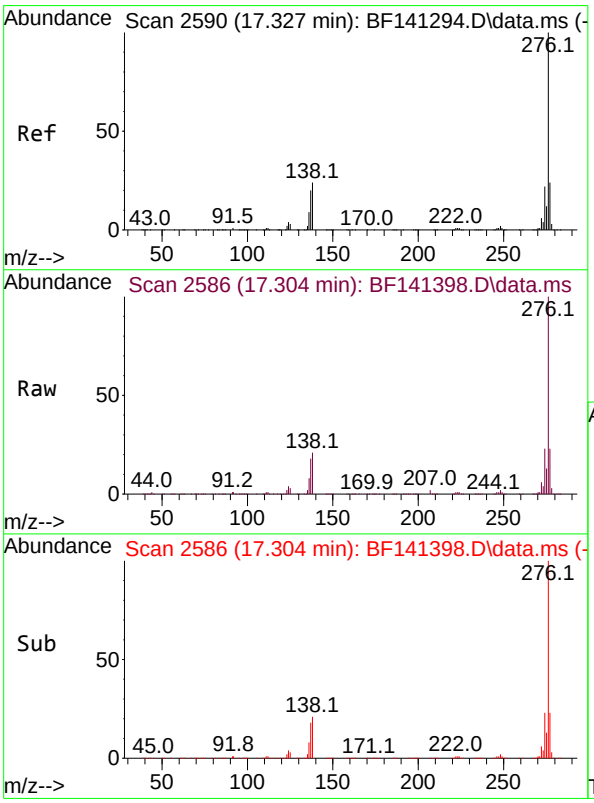

#91
Dibenzo(a,h)anthracene
Concen: 41.123 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:278 Resp: 430740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.5 | 13.9 | 20.9 |
| 279 | 23.4 | 18.8 | 28.2 |

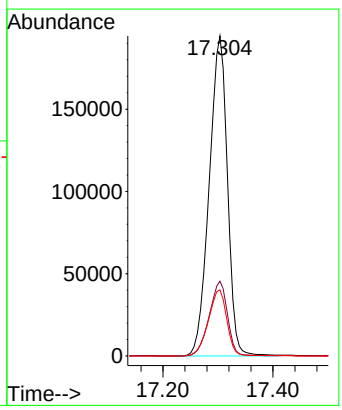



#92
Benzo(g,h,i)perylene
Concen: 41.212 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:276 Resp: 448843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 19.2 | 28.8 |
| 138 | 20.7 | 19.0 | 28.4 |



Sample Results: **BF141398.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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 | 64 | -0.01 |
| 2 | | 1,4-Dioxane | 0.573 | 0.555 | 3.1 | 66 | -0.05 |
| 3 | | Pyridine | 1.380 | 1.270 | 8.0 | 62 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 0.789 | 0.816 | -3.4 | 70 | -0.08 |
| 5 | S | 2-Fluorophenol | 1.303 | 1.302 | 0.1 | 70 | 0.00 |
| 6 | | Aniline | 1.403 | 1.258 | 10.3 | 59 | -0.02 |
| 7 | S | Phenol-d6 | 1.657 | 1.560 | 5.9 | 66 | 0.00 |
| 8 | | 2-Chlorophenol | 1.396 | 1.387 | 0.6 | 69 | -0.01 |
| 9 | | Benzaldehyde | 0.960 | 0.893 | 7.0 | 64 | -0.01 |
| 10 | C | Phenol | 1.757 | 1.650 | 6.1 | 64 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.347 | 1.262 | 6.3 | 66 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.540 | 1.501 | 2.5 | 67 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.547 | 1.539 | 0.5 | 69 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.448 | 1.438 | 0.7 | 69 | -0.01 |
| 15 | | Benzyl Alcohol | 1.133 | 1.165 | -2.8 | 69 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.342 | 2.108 | 10.0 | 62 | -0.01 |
| 17 | | 2-Methylphenol | 1.135 | 1.074 | 5.4 | 66 | 0.00 |
| 18 | | Hexachloroethane | 0.571 | 0.583 | -2.1 | 71 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.985 | 0.929 | 5.7 | 67 | -0.02 |
| 20 | | 3+4-Methylphenols | 1.393 | 1.375 | 1.3 | 69 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 62 | -0.01 |
| 22 | | Acetophenone | 0.475 | 0.491 | -3.4 | 70 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 0.379 | 0.391 | -3.2 | 69 | -0.01 |
| 24 | | Nitrobenzene | 0.393 | 0.398 | -1.3 | 67 | -0.02 |
| 25 | | Isophorone | 0.656 | 0.643 | 2.0 | 65 | -0.02 |
| 26 | C | 2-Nitrophenol | 0.185 | 0.185 | 0.0 | 65 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.236 | 0.230 | 2.5 | 64 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.418 | 0.403 | 3.6 | 64 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.289 | 0.296 | -2.4 | 68 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.330 | 0.335 | -1.5 | 69 | -0.01 |
| 31 | | Naphthalene | 1.057 | 1.061 | -0.4 | 68 | -0.01 |
| 32 | | Benzoic acid | 0.217 | 0.229 | -5.5 | 65 | -0.04 |
| 33 | | 4-Chloroaniline | 0.358 | 0.347 | 3.1 | 64 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.194 | 0.208 | -7.2 | 72 | 0.00 |
| 35 | | Caprolactam | 0.094 | 0.093 | 1.1 | 65 | -0.04 |
| 36 | C | 4-Chloro-3-methylphenol | 0.310 | 0.325 | -4.8 | 71 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.672 | 0.684 | -1.8 | 68 | -0.01 |
| 38 | | 1-Methylnaphthalene | 0.660 | 0.668 | -1.2 | 69 | -0.01 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 64 | -0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.569 | 0.587 | -3.2 | 70 | -0.01 |
| 41 | P | Hexachlorocyclopentadiene | 0.168 | 0.185 | -10.1 | 69 | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 0.183 | 0.202 | -10.4 | 75 | -0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 0.372 | 0.382 | -2.7 | 67 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.405 | 0.421 | -4.0 | 71 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.299 | 1.328 | -2.2 | 72 | -0.01 |
| 46 | | 1,1'-Biphenyl | 1.560 | 1.563 | -0.2 | 69 | -0.01 |
| 47 | | 2-Chloronaphthalene | 1.216 | 1.209 | 0.6 | 69 | -0.01 |

Sample Results: **BF141398.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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 | 0.382 | 0.390 | -2.1 | 68 | 0.00 |
| 49 | | Acenaphthylene | 1.702 | 1.717 | -0.9 | 69 | -0.01 |
| 50 | | Dimethylphthalate | 1.351 | 1.371 | -1.5 | 71 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.314 | 0.321 | -2.2 | 69 | -0.01 |
| 52 | C | Acenaphthene | 1.216 | 1.256 | -3.3 | 71 | -0.01 |
| 53 | | 3-Nitroaniline | 0.307 | 0.321 | -4.6 | 68 | -0.01 |
| 54 | P | 2,4-Dinitrophenol | 0.146 | 0.165 | -13.0 | 71 | -0.01 |
| 55 | | Dibenzofuran | 1.627 | 1.669 | -2.6 | 70 | -0.01 |
| 56 | P | 4-Nitrophenol | 0.225 | 0.257 | -14.2 | 73 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.406 | 0.441 | -8.6 | 73 | -0.01 |
| 58 | | Fluorene | 1.262 | 1.306 | -3.5 | 71 | -0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.319 | 0.341 | -6.9 | 72 | 0.00 |
| 60 | | Diethylphthalate | 1.310 | 1.374 | -4.9 | 72 | -0.02 |
| 61 | | 4-Chlorophenyl-phenylether | 0.617 | 0.648 | -5.0 | 73 | 0.00 |
| 62 | | 4-Nitroaniline | 0.302 | 0.344 | -13.9 | 76 | -0.02 |
| 63 | | Azobenzene | 1.311 | 1.319 | -0.6 | 69 | -0.01 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 70 | -0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.118 | 0.137 | -16.1 | 76 | -0.01 |
| 66 | c | n-Nitrosodiphenylamine | 0.647 | 0.634 | 2.0 | 70 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 0.224 | 0.225 | -0.4 | 72 | -0.01 |
| 68 | | Hexachlorobenzene | 0.238 | 0.243 | -2.1 | 74 | -0.01 |
| 69 | | Atrazine | 0.216 | 0.214 | 0.9 | 70 | -0.01 |
| 70 | C | Pentachlorophenol | 0.139 | 0.161 | -15.8 | 78 | 0.00 |
| 71 | | Phenanthrene | 1.075 | 1.109 | -3.2 | 75 | -0.01 |
| 72 | | Anthracene | 1.053 | 1.092 | -3.7 | 75 | -0.01 |
| 73 | | Carbazole | 0.934 | 1.028 | -10.1 | 80 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.132 | 1.214 | -7.2 | 78 | -0.01 |
| 75 | C | Fluoranthene | 1.062 | 1.240 | -16.8 | 85 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 90 | -0.01 |
| 77 | | Benzidine | 0.641 | 0.604 | 5.8 | 75 | 0.00 |
| 78 | | Pyrene | 1.920 | 1.729 | 9.9 | 89 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.297 | 1.200 | 7.5 | 92 | -0.01 |
| 80 | | Butylbenzylphthalate | 0.671 | 0.691 | -3.0 | 100 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.380 | 1.305 | 5.4 | 93 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 0.439 | 0.412 | 6.2 | 89 | -0.01 |
| 83 | | Chrysene | 1.265 | 1.270 | -0.4 | 101 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.851 | 0.910 | -6.9 | 105 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 1.321 | 1.415 | -7.1 | 104 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 72 | -0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.291 | 1.338 | -3.6 | 77 | -0.03 |
| 88 | | Benzo(b)fluoranthene | 1.258 | 1.341 | -6.6 | 86 | -0.02 |
| 89 | | Benzo(k)fluoranthene | 1.114 | 1.140 | -2.3 | 76 | -0.02 |
| 90 | C | Benzo(a)pyrene | 1.063 | 1.072 | -0.8 | 77 | -0.02 |
| 91 | | Dibenzo(a,h)anthracene | 1.039 | 1.068 | -2.8 | 76 | -0.04 |
| 92 | | Benzo(g,h,i)perylene | 1.080 | 1.113 | -3.1 | 77 | -0.04 |

Sample Results: **BF141398.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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: **BF141398.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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 | 64 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 38.714 | 3.2 | 66 | -0.05 |
| 3 | | Pyridine | 40.000 | 36.803 | 8.0 | 62 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.383 | -3.5 | 70 | -0.08 |
| 5 | S | 2-Fluorophenol | 80.000 | 79.945 | 0.1 | 70 | 0.00 |
| 6 | | Aniline | 40.000 | 35.876 | 10.3 | 59 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 75.322 | 5.8 | 66 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.734 | 0.7 | 69 | -0.01 |
| 9 | | Benzaldehyde | 40.000 | 37.226 | 6.9 | 64 | -0.01 |
| 10 | C | Phenol | 40.000 | 37.574 | 6.1 | 64 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.487 | 6.3 | 66 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.009 | 2.5 | 67 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.806 | 0.5 | 69 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.708 | 0.7 | 69 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 41.142 | -2.9 | 69 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.004 | 10.0 | 62 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 37.854 | 5.4 | 66 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.842 | -2.1 | 71 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.733 | 5.7 | 67 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.483 | 1.3 | 69 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 62 | -0.01 |
| 22 | | Acetophenone | 40.000 | 41.351 | -3.4 | 70 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 82.468 | -3.1 | 69 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 40.497 | -1.2 | 67 | -0.02 |
| 25 | | Isophorone | 40.000 | 39.213 | 2.0 | 65 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.973 | 0.1 | 65 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.904 | 2.7 | 64 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.495 | 3.8 | 64 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.025 | -2.6 | 68 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.631 | -1.6 | 69 | -0.01 |
| 31 | | Naphthalene | 40.000 | 40.155 | -0.4 | 68 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 42.292 | -5.7 | 65 | -0.04 |
| 33 | | 4-Chloroaniline | 40.000 | 38.783 | 3.0 | 64 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.897 | -7.2 | 72 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.634 | 0.9 | 65 | -0.04 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.000 | -5.0 | 71 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.722 | -1.8 | 68 | -0.01 |
| 38 | | 1-Methylnaphthalene | 40.000 | 40.487 | -1.2 | 69 | -0.01 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 64 | -0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.257 | -3.1 | 70 | -0.01 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 43.974 | -9.9 | 69 | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 88.147 | -10.2 | 75 | -0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 41.007 | -2.5 | 67 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 41.577 | -3.9 | 71 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 81.771 | -2.2 | 72 | -0.01 |
| 46 | | 1,1'-Biphenyl | 40.000 | 40.089 | -0.2 | 69 | -0.01 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.785 | 0.5 | 69 | -0.01 |

Sample Results: **BF141398.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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 | 40.764 | -1.9 | 68 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.360 | -0.9 | 69 | -0.01 |
| 50 | | Dimethylphthalate | 40.000 | 40.604 | -1.5 | 71 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 40.929 | -2.3 | 69 | -0.01 |
| 52 | C | Acenaphthene | 40.000 | 41.328 | -3.3 | 71 | -0.01 |
| 53 | | 3-Nitroaniline | 40.000 | 41.746 | -4.4 | 68 | -0.01 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 45.240 | -13.1 | 71 | -0.01 |
| 55 | | Dibenzofuran | 40.000 | 41.022 | -2.6 | 70 | -0.01 |
| 56 | P | 4-Nitrophenol | 40.000 | 45.798 | -14.5 | 73 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 43.471 | -8.7 | 73 | -0.01 |
| 58 | | Fluorene | 40.000 | 41.395 | -3.5 | 71 | -0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 42.803 | -7.0 | 72 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 41.956 | -4.9 | 72 | -0.02 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 42.037 | -5.1 | 73 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 45.468 | -13.7 | 76 | -0.02 |
| 63 | | Azobenzene | 40.000 | 40.234 | -0.6 | 69 | -0.01 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 70 | -0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 46.476 | -16.2 | 76 | -0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.195 | 2.0 | 70 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 40.154 | -0.4 | 72 | -0.01 |
| 68 | | Hexachlorobenzene | 40.000 | 40.974 | -2.4 | 74 | -0.01 |
| 69 | | Atrazine | 40.000 | 39.568 | 1.1 | 70 | -0.01 |
| 70 | C | Pentachlorophenol | 40.000 | 46.366 | -15.9 | 78 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 41.259 | -3.1 | 75 | -0.01 |
| 72 | | Anthracene | 40.000 | 41.470 | -3.7 | 75 | -0.01 |
| 73 | | Carbazole | 40.000 | 44.044 | -10.1 | 80 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 42.899 | -7.2 | 78 | -0.01 |
| 75 | C | Fluoranthene | 40.000 | 46.710 | -16.8 | 85 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 90 | -0.01 |
| 77 | | Benzidine | 40.000 | 37.710 | 5.7 | 75 | 0.00 |
| 78 | | Pyrene | 40.000 | 36.018 | 10.0 | 89 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 74.022 | 7.5 | 92 | -0.01 |
| 80 | | Butylbenzylphthalate | 40.000 | 41.239 | -3.1 | 100 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 37.824 | 5.4 | 93 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 37.529 | 6.2 | 89 | -0.01 |
| 83 | | Chrysene | 40.000 | 40.160 | -0.4 | 101 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 42.781 | -7.0 | 105 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 42.840 | -7.1 | 104 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 72 | -0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.469 | -3.7 | 77 | -0.03 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 42.641 | -6.6 | 86 | -0.02 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 40.917 | -2.3 | 76 | -0.02 |
| 90 | C | Benzo(a)pyrene | 40.000 | 40.330 | -0.8 | 77 | -0.02 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 41.123 | -2.8 | 76 | -0.04 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 41.212 | -3.0 | 77 | -0.04 |

Sample Results: **BF141398.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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

Raw Data: **BF141506.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date/Time: 02/07/2025 14:33

Lab File ID: BF141506.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.276 | 1.294 | | 1.4 | |
| Benzaldehyde | 0.857 | 0.844 | | -1.5 | |
| Phenol-d6 | 1.612 | 1.599 | | -0.8 | |
| Phenol | 1.678 | 1.676 | | -0.1 | 20.0 |
| bis(2-Chloroethyl)ether | 1.261 | 1.237 | | -1.9 | |
| 2-Chlorophenol | 1.378 | 1.383 | | 0.4 | |
| 2-Methylphenol | 1.079 | 1.064 | | -1.4 | |
| 2,2-oxybis(1-Chloropropane) | 2.158 | 2.121 | | -1.7 | |
| Acetophenone | 0.498 | 0.489 | | -1.8 | |
| 3+4-Methylphenols | 1.371 | 1.329 | | -3.1 | |
| n-Nitroso-di-n-propylamine | 0.964 | 0.978 | 0.050 | 1.5 | |
| Nitrobenzene-d5 | 0.383 | 0.384 | | 0.3 | |
| Hexachloroethane | 0.550 | 0.545 | | -0.9 | |
| Nitrobenzene | 0.374 | 0.372 | | -0.5 | |
| Isophorone | 0.611 | 0.607 | | -0.7 | |
| 2-Nitrophenol | 0.186 | 0.191 | | 2.7 | 20.0 |
| 2,4-Dimethylphenol | 0.217 | 0.219 | | 0.9 | |
| bis(2-Chloroethoxy)methane | 0.392 | 0.396 | | 1.0 | |
| 2,4-Dichlorophenol | 0.294 | 0.296 | | 0.7 | 20.0 |
| Naphthalene | 1.041 | 1.040 | | -0.1 | |
| 4-Chloroaniline | 0.363 | 0.327 | | -9.9 | |
| Hexachlorobutadiene | 0.192 | 0.191 | | -0.5 | 20.0 |
| Caprolactam | 0.089 | 0.093 | | 4.5 | |
| 4-Chloro-3-methylphenol | 0.325 | 0.326 | | 0.3 | 20.0 |
| 2-Methylnaphthalene | 0.677 | 0.668 | | -1.3 | |
| Hexachlorocyclopentadiene | 0.192 | 0.193 | 0.050 | 0.5 | |
| 2,4,6-Trichlorophenol | 0.374 | 0.368 | | -1.6 | 20.0 |
| 2-Fluorobiphenyl | 1.298 | 1.268 | | -2.3 | |
| 2,4,5-Trichlorophenol | 0.405 | 0.399 | | -1.5 | |
| 1,1-Biphenyl | 1.551 | 1.528 | | -1.5 | |
| 2-Chloronaphthalene | 1.147 | 1.132 | | -1.3 | |
| 2-Nitroaniline | 0.385 | 0.385 | | 0.0 | |
| Dimethylphthalate | 1.358 | 1.338 | | -1.5 | |
| Acenaphthylene | 1.705 | 1.697 | | -0.5 | |
| 2,6-Dinitrotoluene | 0.297 | 0.295 | | -0.7 | |
| 3-Nitroaniline | 0.319 | 0.315 | | -1.3 | |
| Acenaphthene | 1.147 | 1.116 | | -2.7 | 20.0 |
| 2,4-Dinitrophenol | 0.176 | 0.169 | 0.050 | -4.0 | |
| 4-Nitrophenol | 0.237 | 0.240 | 0.050 | 1.3 | |

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date/Time: 02/07/2025 14:33

Lab File ID: BF141506.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dibenzofuran | 1.683 | 1.655 | | -1.7 | |
| 2,4-Dinitrotoluene | 0.395 | 0.400 | | 1.3 | |
| Diethylphthalate | 1.336 | 1.313 | | -1.7 | |
| 4-Chlorophenyl-phenylether | 0.626 | 0.616 | | -1.6 | |
| Fluorene | 1.301 | 1.278 | | -1.8 | |
| 4-Nitroaniline | 0.324 | 0.326 | | 0.6 | |
| 4,6-Dinitro-2-methylphenol | 0.139 | 0.139 | | 0.0 | |
| n-Nitrosodiphenylamine | 0.640 | 0.631 | | -1.4 | 20.0 |
| 2,4,6-Tribromophenol | 0.201 | 0.200 | | -0.5 | |
| 4-Bromophenyl-phenylether | 0.224 | 0.217 | | -3.1 | |
| Hexachlorobenzene | 0.230 | 0.229 | | -0.4 | |
| Atrazine | 0.192 | 0.182 | | -5.2 | |
| Pentachlorophenol | 0.147 | 0.147 | | 0.0 | 20.0 |
| Phenanthrene | 1.101 | 1.082 | | -1.7 | |
| Anthracene | 1.107 | 1.095 | | -1.1 | |
| Carbazole | 0.996 | 1.004 | | 0.8 | |
| Di-n-butylphthalate | 1.150 | 1.152 | | 0.2 | |
| Fluoranthene | 1.167 | 1.168 | | 0.1 | 20.0 |
| Pyrene | 1.703 | 1.702 | | -0.1 | |
| Terphenyl-d14 | 1.185 | 1.171 | | -1.2 | |
| Butylbenzylphthalate | 0.590 | 0.640 | | 8.5 | |
| 3,3-Dichlorobenzidine | 0.381 | 0.385 | | 1.0 | |
| Benzo(a)anthracene | 1.329 | 1.316 | | -1.0 | |
| Chrysene | 1.228 | 1.167 | | -5.0 | |
| Bis(2-ethylhexyl)phthalate | 0.665 | 0.759 | | 14.1 | |
| Di-n-octyl phthalate | 0.949 | 1.017 | | 7.2 | 20.0 |
| Benzo(b)fluoranthene | 1.343 | 1.426 | | 6.2 | |
| Benzo(k)fluoranthene | 1.147 | 1.070 | | -6.7 | |
| Benzo(a)pyrene | 1.087 | 1.090 | | 0.3 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.236 | 1.245 | | 0.7 | |
| Dibenzo(a,h)anthracene | 1.001 | 1.011 | | 1.0 | |
| Benzo(g,h,i)perylene | 1.048 | 1.028 | | -1.9 | |
| 1,2,4,5-Tetrachlorobenzene | 0.579 | 0.571 | | -1.4 | |
| 1,4-Dioxane | 0.513 | 0.512 | | -0.2 | 20.0 |
| 2,3,4,6-Tetrachlorophenol | 0.349 | 0.346 | | -0.9 | |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.787 | 152 | 91880 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.075 | 136 | 360290 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.828 | 164 | 198348 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.316 | 188 | 340922 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.957 | 240 | 238177 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.416 | 264 | 192868 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.404 | 112 | 475650 | 81.160 | ng | 0.00 |
| 7) Phenol-d6 | 6.428 | 99 | 587648 | 79.333 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.357 | 82 | 553575 | 80.140 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.616 | 330 | 158428 | 79.512 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 9.151 | 172 | 1006130 | 78.150 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.904 | 244 | 1115806 | 79.087 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.475 | 88 | 94001 | 39.852 | ng | 100 |
| 3) Pyridine | 3.199 | 79 | 234861 | 41.842 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.157 | 42 | 146825 | 39.505 | ng | 96 |
| 6) Aniline | 6.451 | 93 | 276601 | 39.807 | ng | 94 |
| 8) 2-Chlorophenol | 6.575 | 128 | 254071 | 40.121 | ng | 96 |
| 9) Benzaldehyde | 6.340 | 77 | 155074 | 39.396 | ng | 100 |
| 10) Phenol | 6.446 | 94 | 307937 | 39.942 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 6.528 | 93 | 227223 | 39.239 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.728 | 146 | 265506 | 39.713 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.804 | 146 | 265354 | 38.847 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 6.963 | 146 | 252127 | 39.770 | ng | 100 |
| 15) Benzyl Alcohol | 6.934 | 79 | 221923 | 39.069 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.069 | 45 | 389773 | 39.320 | ng | 99 |
| 17) 2-Methylphenol | 7.051 | 107 | 195478 | 39.445 | ng | 99 |
| 18) Hexachloroethane | 7.298 | 117 | 100140 | 39.613 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.204 | 70 | 179697 | 40.556 | ng | 97 |
| 20) 3+4-Methylphenols | 7.204 | 107 | 244214 | 38.777 | ng | 98 |
| 22) Acetophenone | 7.198 | 105 | 352167 | 39.294 | ng | 99 |
| 24) Nitrobenzene | 7.375 | 77 | 268254 | 39.825 | ng | 100 |
| 25) Isophorone | 7.610 | 82 | 437623 | 39.733 | ng | 100 |
| 26) 2-Nitrophenol | 7.687 | 139 | 137445 | 41.014 | ng | 99 |
| 27) 2,4-Dimethylphenol | 7.728 | 122 | 158012 | 40.362 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.822 | 93 | 285112 | 40.398 | ng | 100 |
| 29) 2,4-Dichlorophenol | 7.940 | 162 | 213366 | 40.337 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.016 | 180 | 229655 | 39.869 | ng | 99 |
| 31) Naphthalene | 8.092 | 128 | 749587 | 39.968 | ng | 100 |
| 32) Benzoic acid | 7.857 | 122 | 163033 | 40.092 | ng | 98 |
| 33) 4-Chloroaniline | 8.145 | 127 | 235464 | 35.960 | ng | 100 |
| 34) Hexachlorobutadiene | 8.210 | 225 | 137788 | 39.845 | ng | 99 |
| 35) Caprolactam | 8.516 | 113 | 67233 | 41.746 | ng | 97 |
| 36) 4-Chloro-3-methylphenol | 8.634 | 107 | 234989 | 40.105 | ng | 100 |
| 37) 2-Methylnaphthalene | 8.787 | 142 | 481204 | 39.430 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.881 | 142 | 465894 | 39.416 | ng | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 8.951 | 216 | 226553 | 39.480 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 8.934 | 237 | 76451 | 40.055 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.063 | 196 | 145794 | 39.310 | ng | 98 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

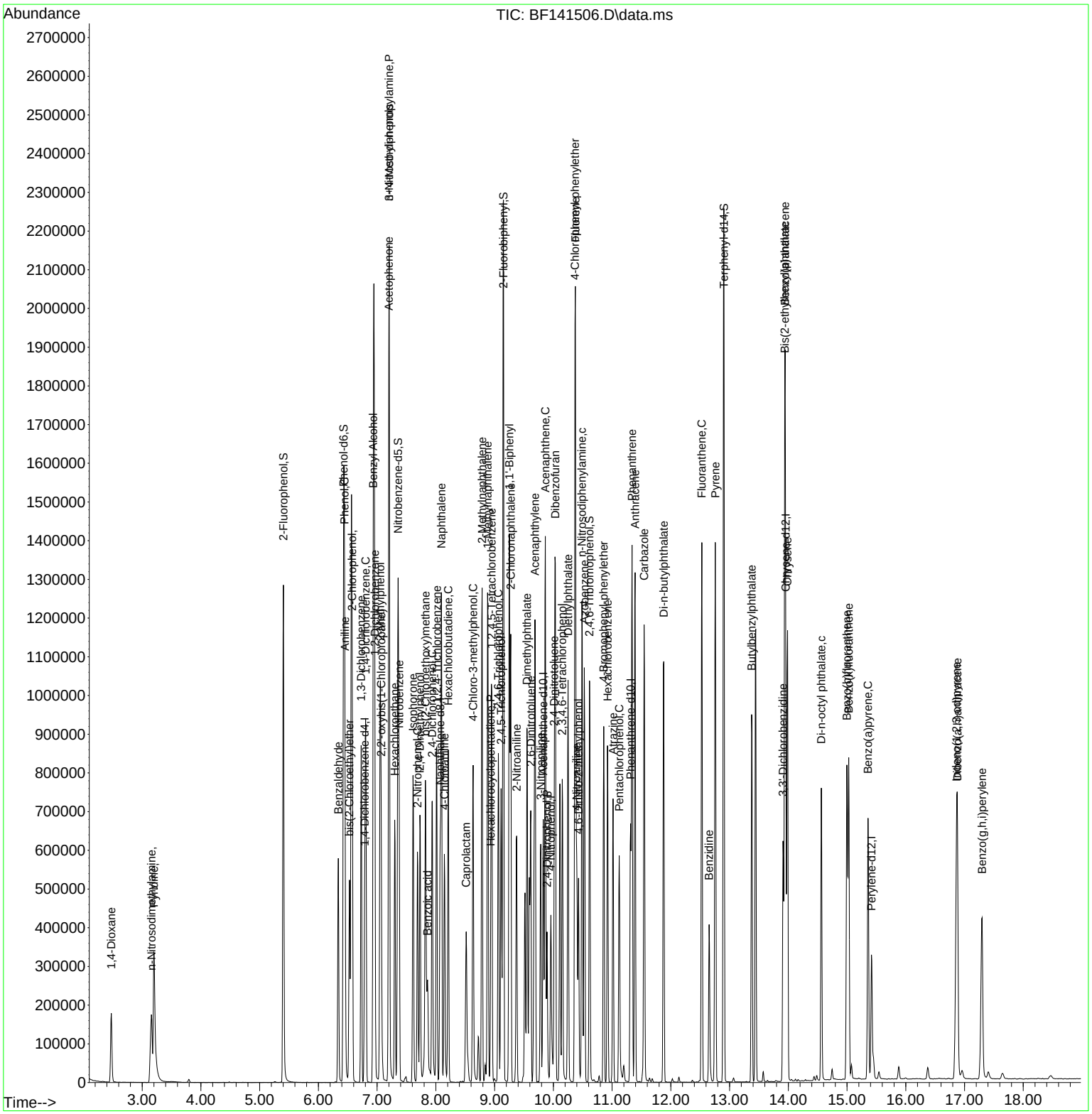
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.110 | 196 | 158176 | 39.352 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.251 | 154 | 606143 | 39.417 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.275 | 162 | 448999 | 39.485 | ng | 100 |
| 48) 2-Nitroaniline | 9.375 | 65 | 152856 | 40.054 | ng | 98 |
| 49) Acenaphthylene | 9.686 | 152 | 673155 | 39.800 | ng | 99 |
| 50) Dimethylphthalate | 9.551 | 163 | 530887 | 39.426 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.616 | 165 | 116863 | 39.701 | ng | 99 |
| 52) Acenaphthene | 9.863 | 154 | 442729m | 38.936 | ng | |
| 53) 3-Nitroaniline | 9.786 | 138 | 124846 | 39.406 | ng | 99 |
| 54) 2,4-Dinitrophenol | 9.892 | 184 | 67053 | 38.328 | ng | 97 |
| 55) Dibenzofuran | 10.034 | 168 | 656713 | 39.347 | ng | 100 |
| 56) 4-Nitrophenol | 9.957 | 139 | 95307 | 40.524 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 10.016 | 165 | 158641 | 40.483 | ng | 97 |
| 58) Fluorene | 10.375 | 166 | 507132 | 39.298 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.151 | 232 | 137272 | 39.668 | ng | 97 |
| 60) Diethylphthalate | 10.251 | 149 | 520921 | 39.320 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.369 | 204 | 244431 | 39.371 | ng | 99 |
| 62) 4-Nitroaniline | 10.398 | 138 | 129336 | 40.203 | ng | 97 |
| 63) Azobenzene | 10.528 | 77 | 516030 | 39.181 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.428 | 198 | 94709 | 39.992 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 10.486 | 169 | 430480 | 39.446 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248 | 148075 | 38.862 | ng | 96 |
| 68) Hexachlorobenzene | 10.922 | 284 | 156412 | 39.865 | ng | 98 |
| 69) Atrazine | 11.016 | 200 | 124255 | 37.952 | ng | 99 |
| 70) Pentachlorophenol | 11.122 | 266 | 100181 | 39.932 | ng | 99 |
| 71) Phenanthrene | 11.339 | 178 | 737878 | 39.319 | ng | 99 |
| 72) Anthracene | 11.392 | 178 | 746361 | 39.564 | ng | 100 |
| 73) Carbazole | 11.545 | 167 | 684333 | 40.316 | ng | 100 |
| 74) Di-n-butylphthalate | 11.880 | 149 | 785155 | 40.060 | ng | 100 |
| 75) Fluoranthene | 12.527 | 202 | 796201 | 40.018 | ng | 99 |
| 77) Benzidine | 12.651 | 184 | 232310 | 44.226 | ng | 99 |
| 78) Pyrene | 12.757 | 202 | 810550 | 39.977 | ng | 100 |
| 80) Butylbenzylphthalate | 13.374 | 149 | 305087 | 43.443 | ng | 99 |
| 81) Benzo(a)anthracene | 13.945 | 228 | 626940 | 39.598 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.910 | 252 | 183288 | 40.414 | ng | 98 |
| 83) Chrysene | 13.986 | 228 | 556110 | 38.041 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.939 | 149 | 361384 | 45.626 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.563 | 149 | 484418 | 42.871 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.862 | 276 | 480414 | 40.313 | ng | 100 |
| 88) Benzo(b)fluoranthene | 14.998 | 252 | 549964 | 42.468 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.027 | 252 | 412835 | 37.333 | ng | 99 |
| 90) Benzo(a)pyrene | 15.357 | 252 | 420423 | 40.121 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.880 | 278 | 390089 | 40.397 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 17.298 | 276 | 396572 | 39.245 | ng | 99 |

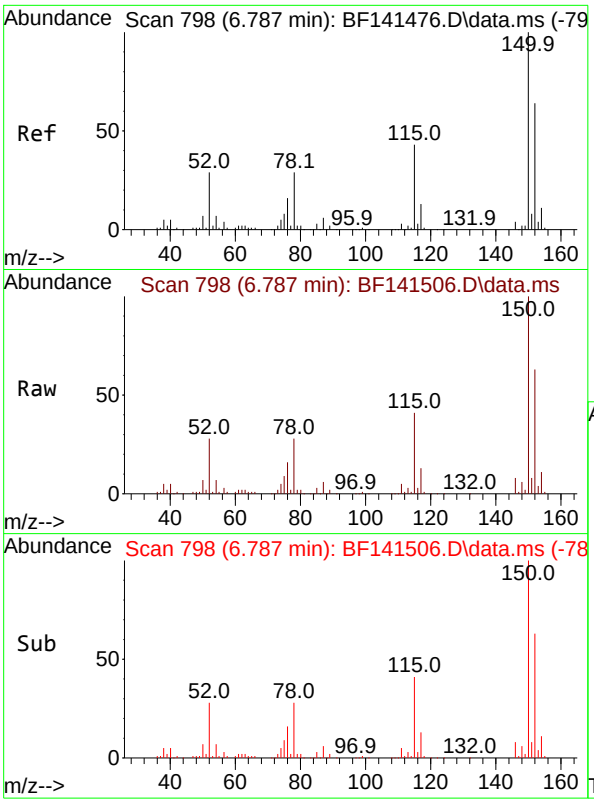
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



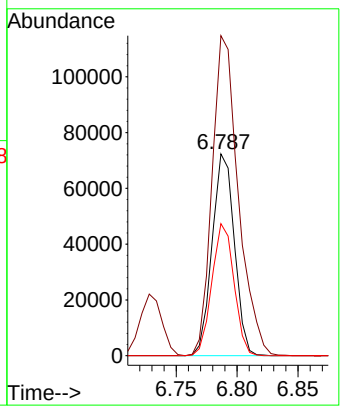


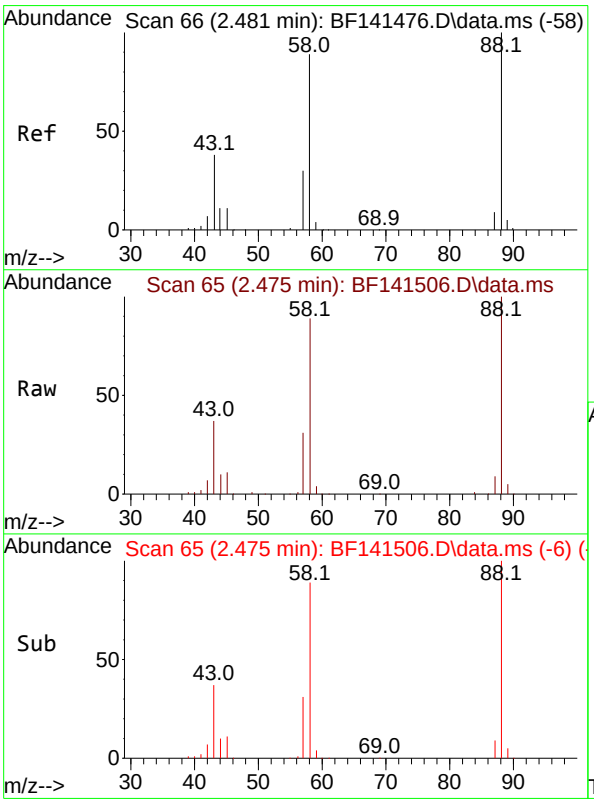

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 91880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.6 | 125.0 | 187.4 |
| 115 | 65.4 | 53.6 | 80.4 |

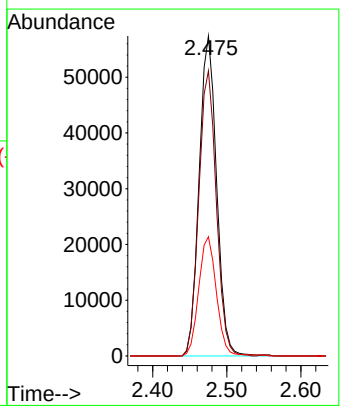


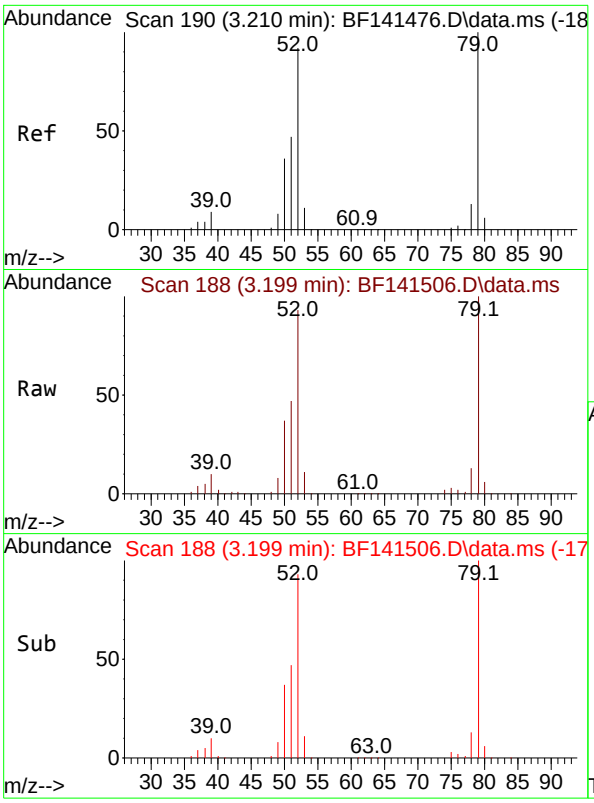




#2
1,4-Dioxane
Concen: 39.852 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 88 Resp: 94001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 89.1 | 71.1 | 106.7 |
| 43 | 37.9 | 30.6 | 46.0 |



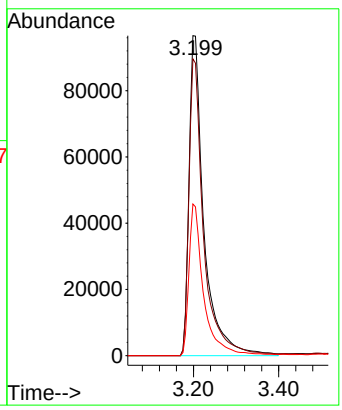


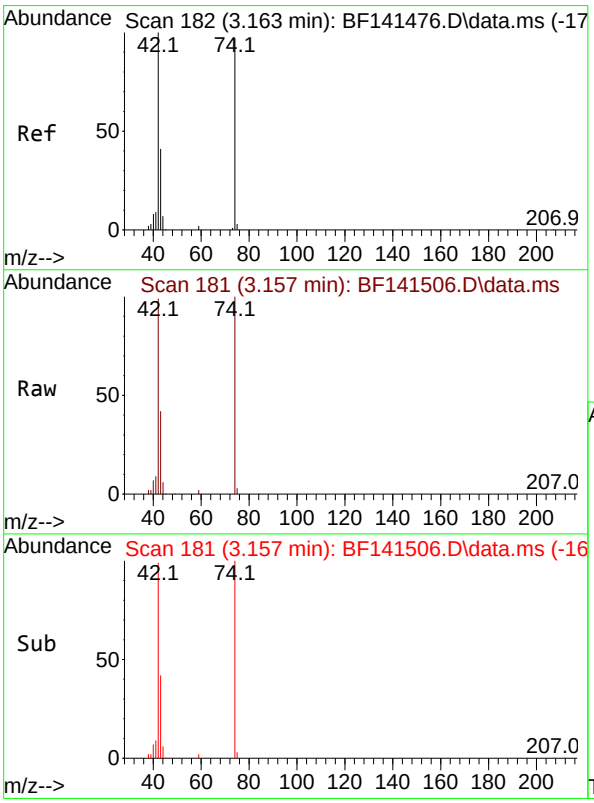

#3
Pyridine
Concen: 41.842 ng
RT: 3.199 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 234861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 92.8 | 73.7 | 110.5 |
| 51 | 47.4 | 37.5 | 56.3 |

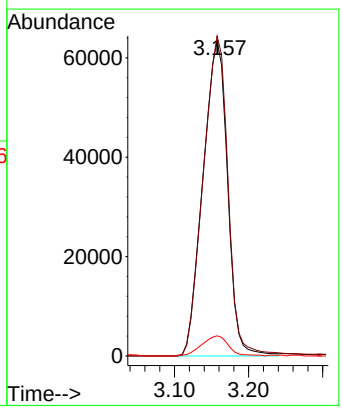


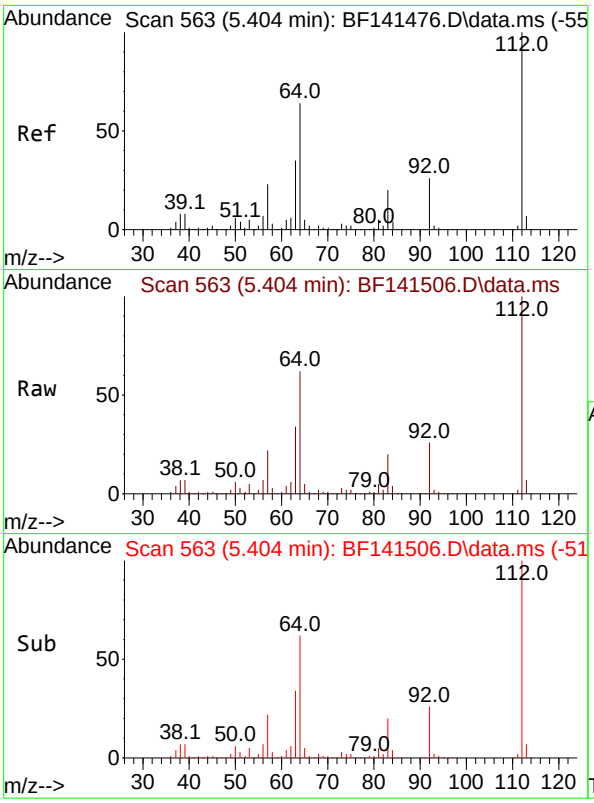




#4
n-Nitrosodimethylamine
Concen: 39.505 ng
RT: 3.157 min Scan# 181
Delta R.T. -0.029 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 42 Resp: 146825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 101.5 | 78.0 | 117.0 |
| 44 | 6.4 | 5.4 | 8.2 |



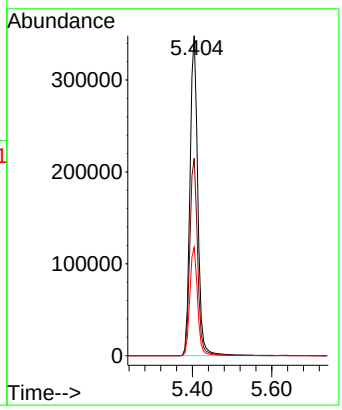


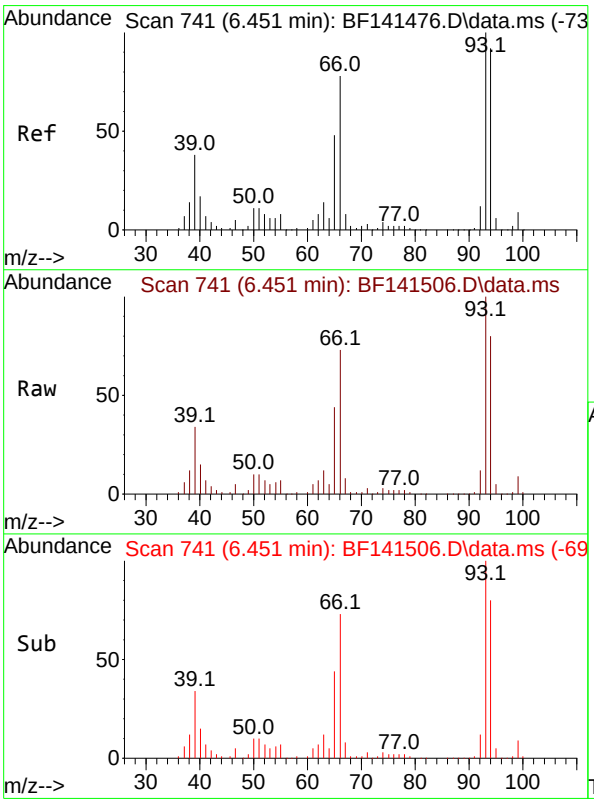

#5
2-Fluorophenol
Concen: 81.160 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:112 Resp: 475650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.7 | 51.1 | 76.7 |
| 63 | 33.9 | 28.4 | 42.6 |

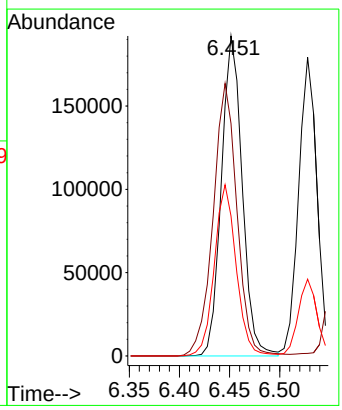


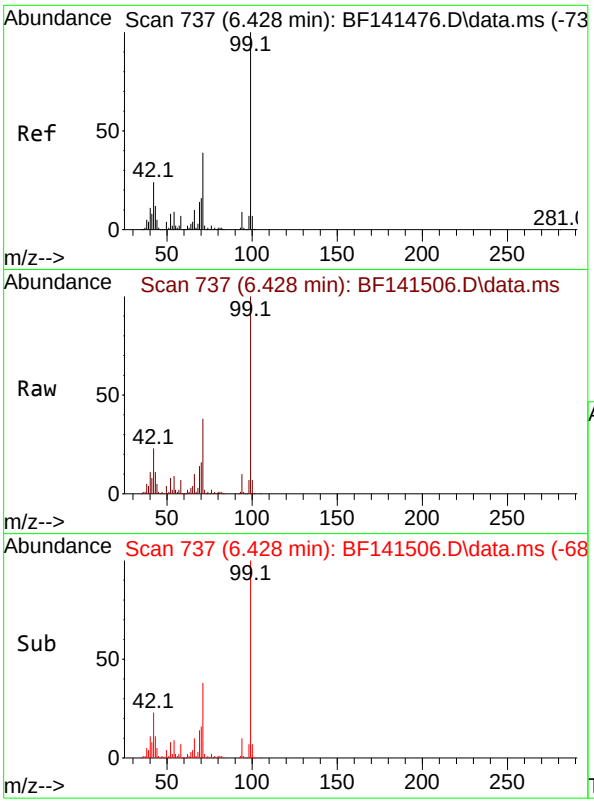




#6
Aniline
Concen: 39.807 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 93 Resp: 276601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 72.6 | 62.6 | 94.0 |
| 65 | 43.8 | 38.3 | 57.5 |



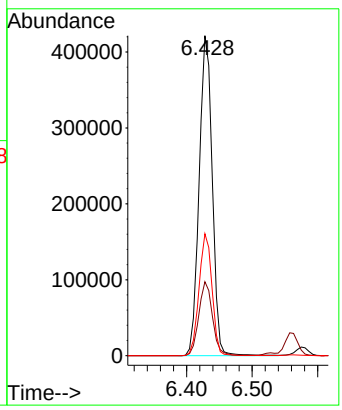


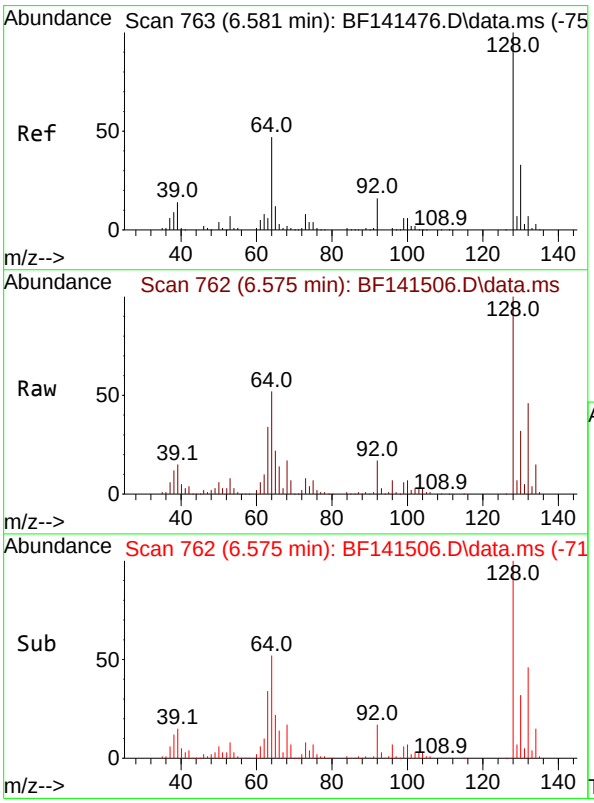

#7
Phenol-d6
Concen: 79.333 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 99 Resp: 587648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.1 | 19.1 | 28.7 |
| 71 | 38.1 | 31.1 | 46.7 |

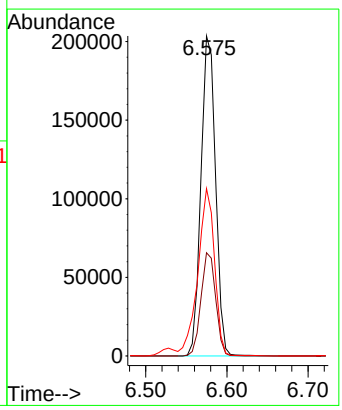


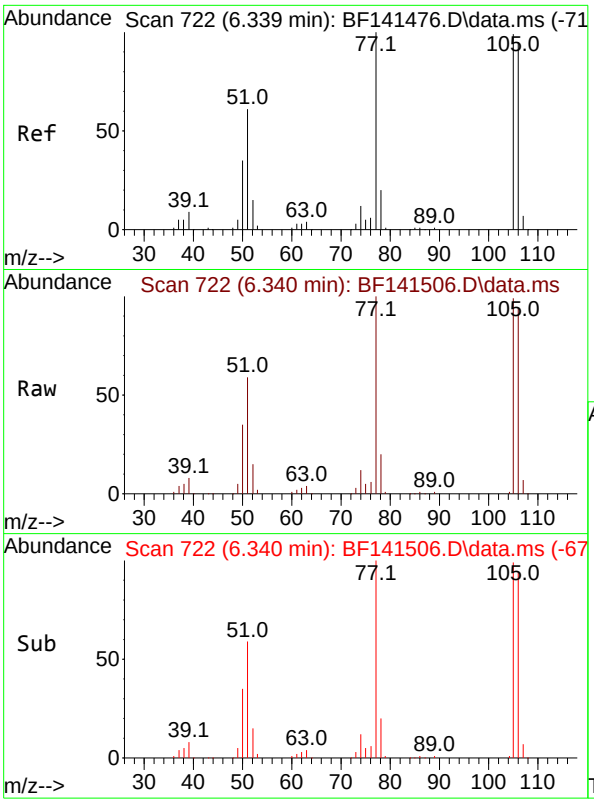




#8
2-Chlorophenol
Concen: 40.121 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:128 Resp: 254071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.3 | 12.7 | 52.7 |
| 64 | 52.3 | 28.3 | 68.3 |



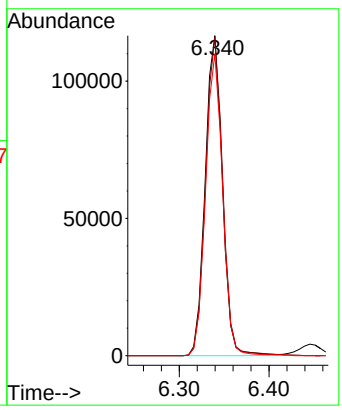


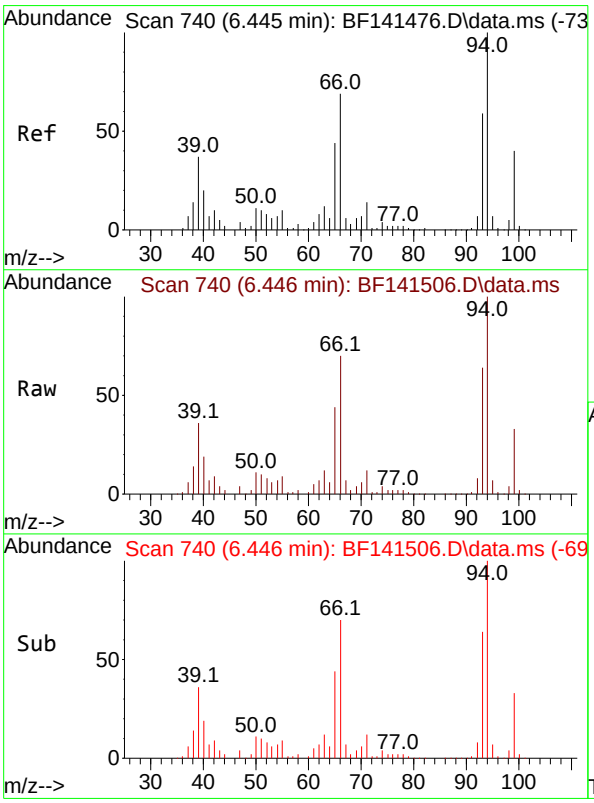

#9
Benzaldehyde
Concen: 39.396 ng
RT: 6.340 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 155074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.4 | 79.4 | 119.4 |
| 106 | 94.3 | 75.1 | 115.1 |

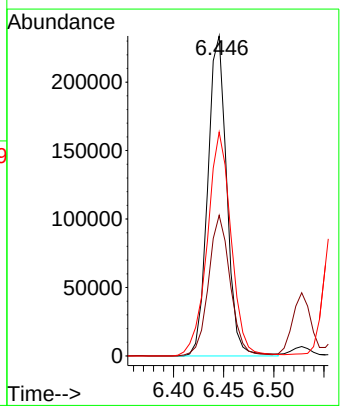


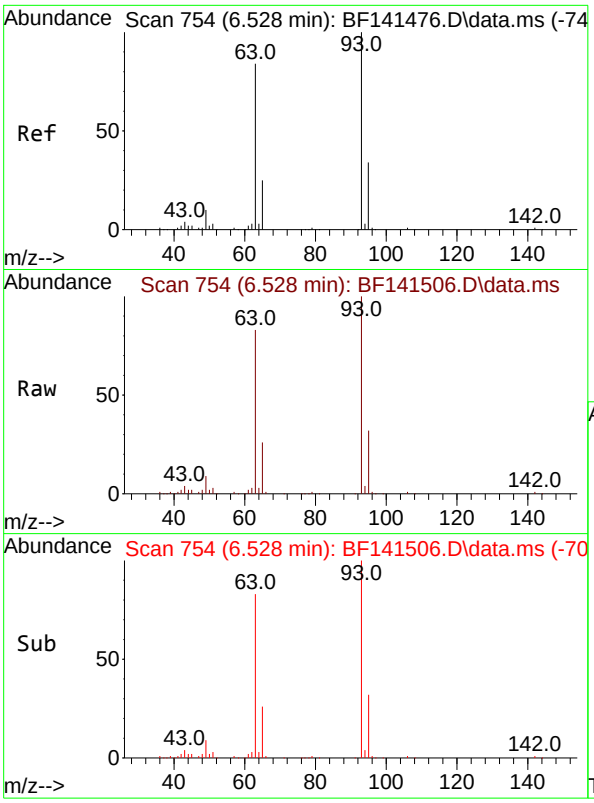




#10
Phenol
Concen: 39.942 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 94 Resp: 307937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 44.0 | 23.7 | 63.7 |
| 66 | 70.0 | 49.3 | 89.3 |



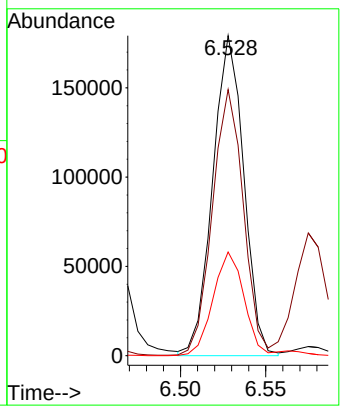


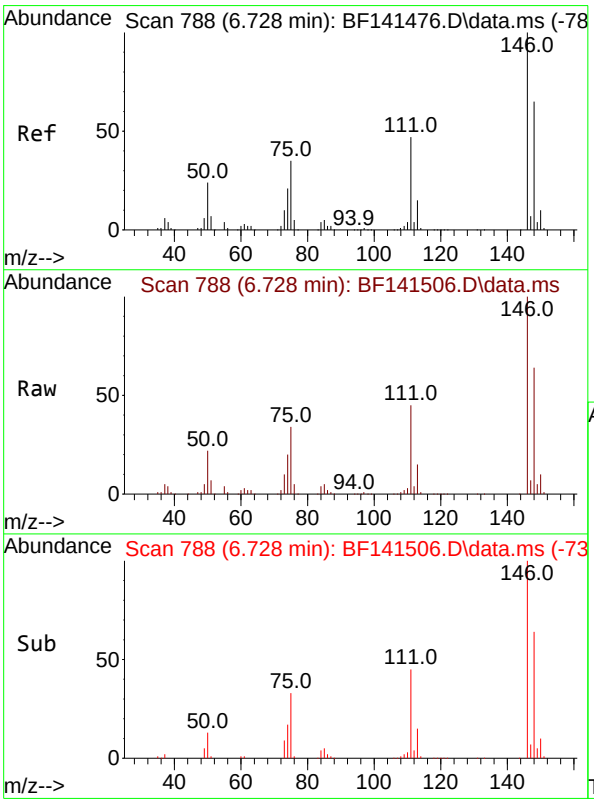

#11
bis(2-Chloroethyl)ether
Concen: 39.239 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 93 Resp: 227223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 83.1 | 62.0 | 102.0 |
| 95 | 32.4 | 12.6 | 52.6 |

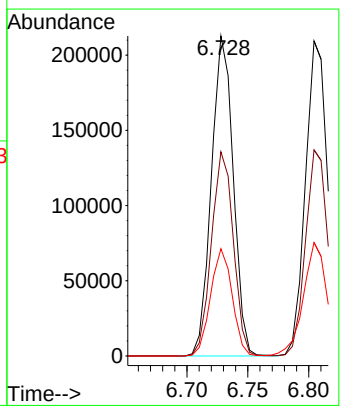


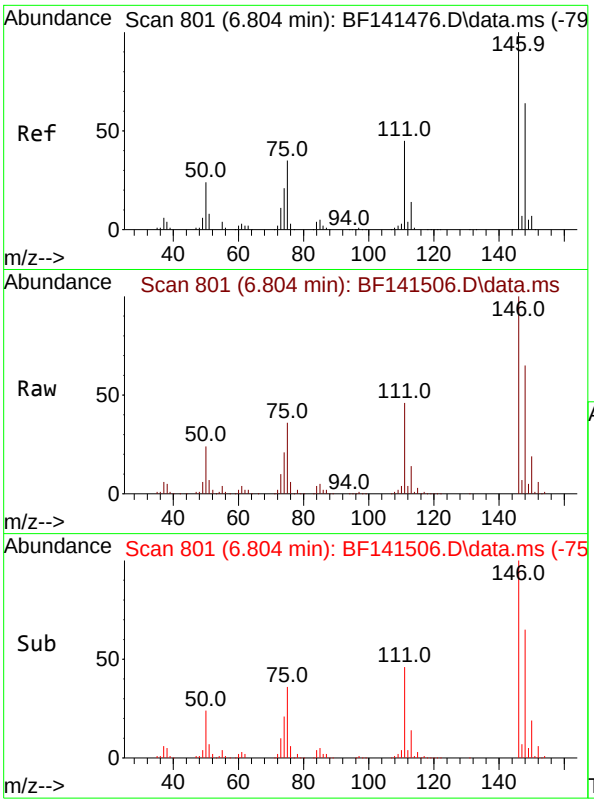




#12
1,3-Dichlorobenzene
Concen: 39.713 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:146 Resp: 265506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.9 | 77.9 |
| 75 | 33.5 | 28.2 | 42.2 |



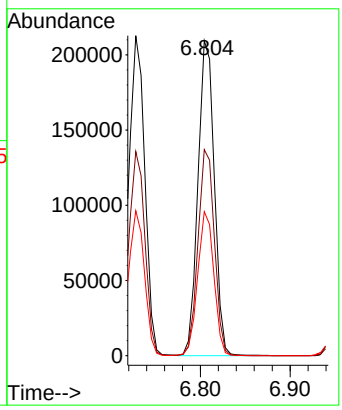


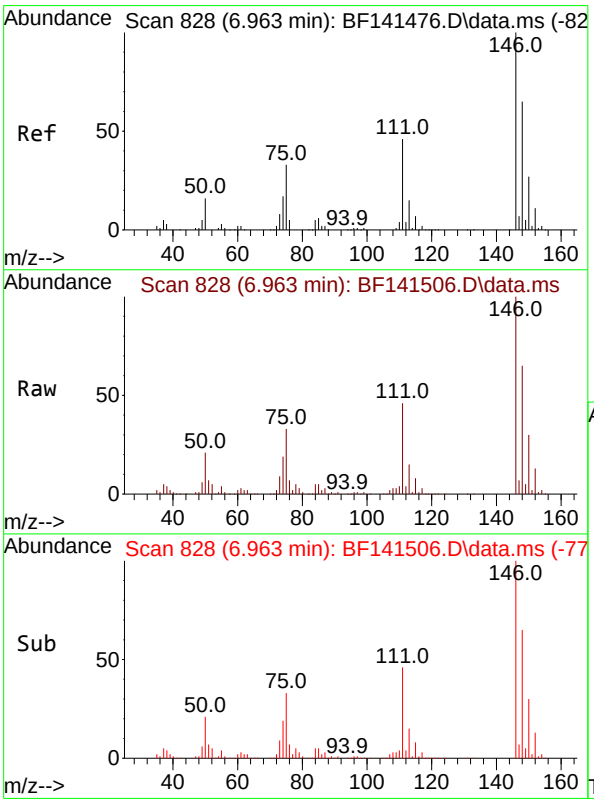

#13
1,4-Dichlorobenzene
Concen: 38.847 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:146 Resp: 265354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.4 | 50.9 | 76.3 |
| 111 | 45.7 | 35.9 | 53.9 |

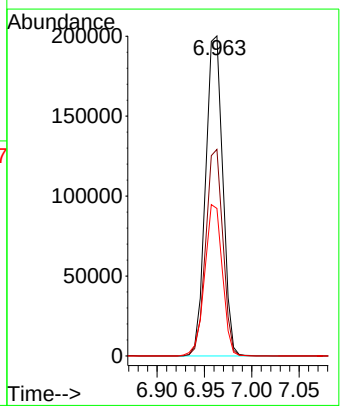


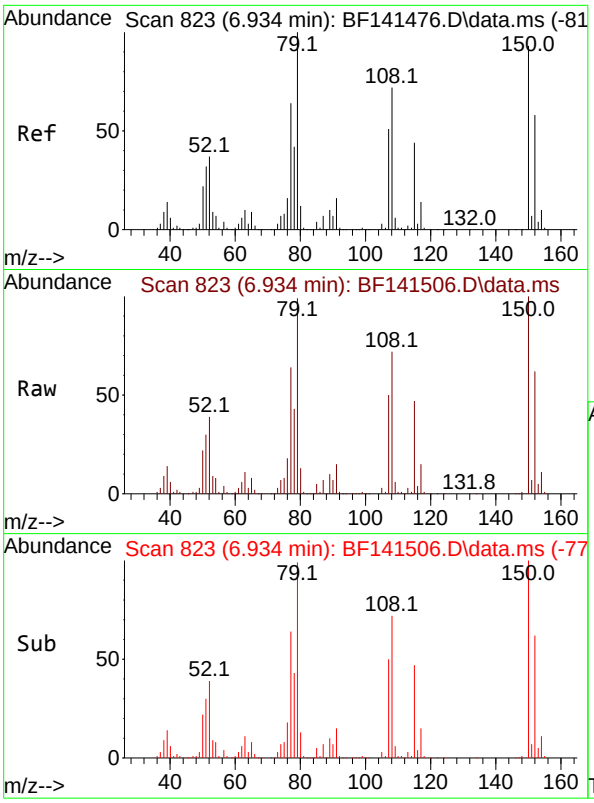




#14
1,2-Dichlorobenzene
Concen: 39.770 ng
RT: 6.963 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:146 Resp: 252127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.5 | 51.8 | 77.6 |
| 111 | 46.1 | 37.0 | 55.4 |



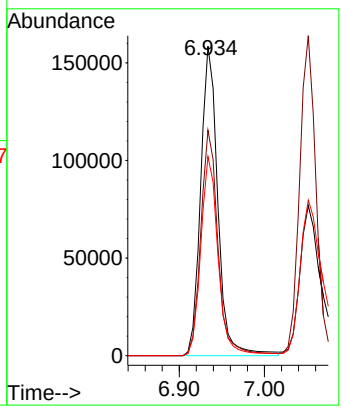


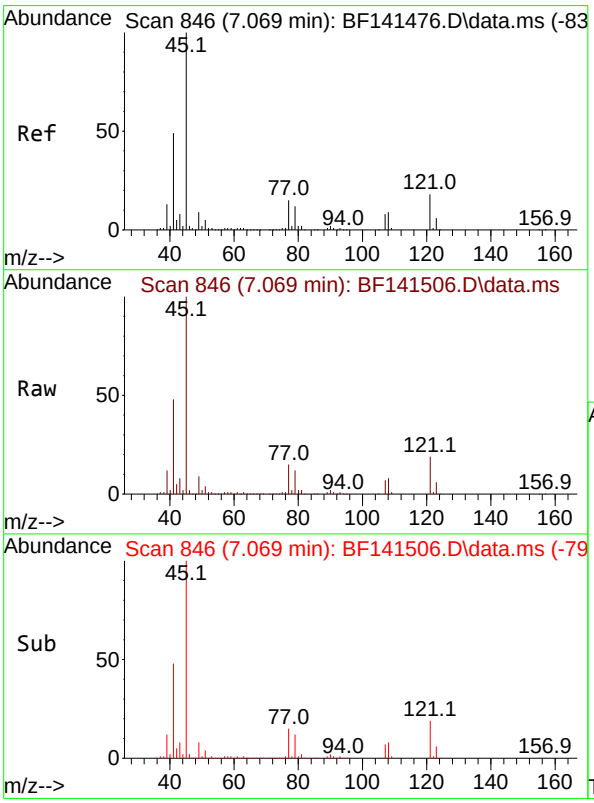

#15
Benzyl Alcohol
Concen: 39.069 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 221923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 72.8 | 57.4 | 86.2 |
| 77 | 64.3 | 50.9 | 76.3 |

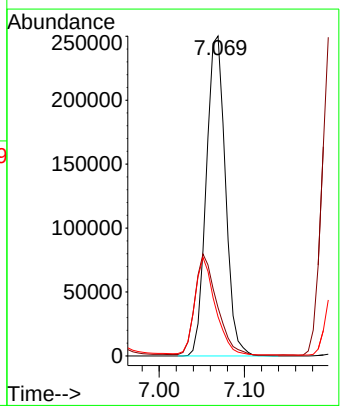


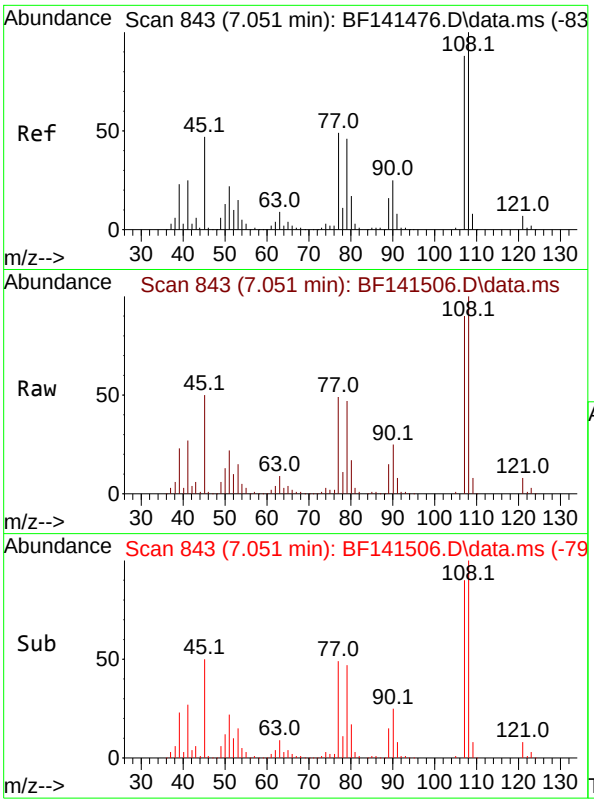




#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.320 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 45 Resp: 389773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 15.1 | 0.0 | 35.8 |
| 79 | 12.2 | 0.0 | 32.7 |



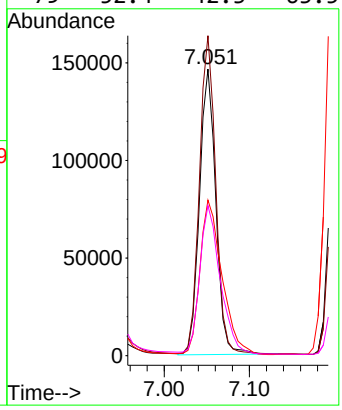


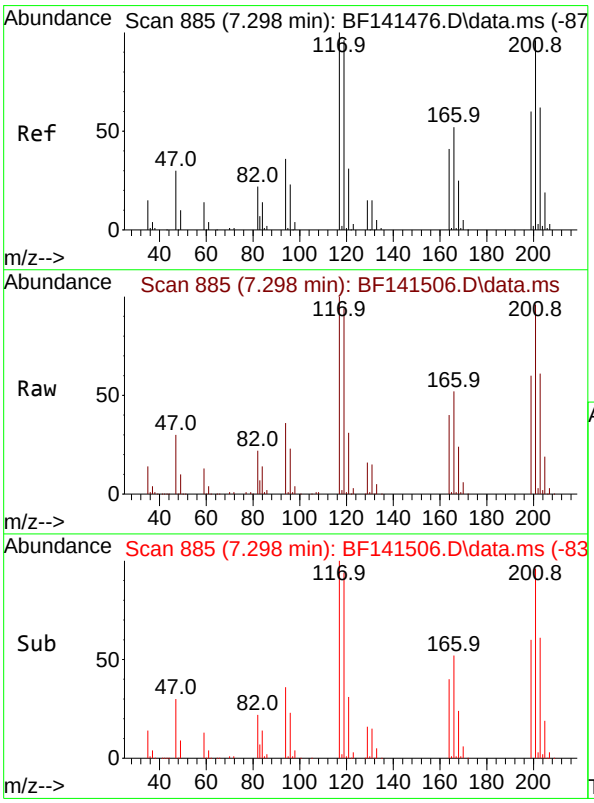

#17
2-Methylphenol
Concen: 39.445 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:107 Resp: 195478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.7 | 90.6 | 136.0 |
| 77 | 54.3 | 44.4 | 66.6 |
| 79 | 52.4 | 42.3 | 63.5 |

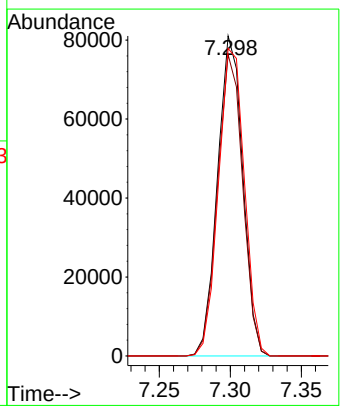


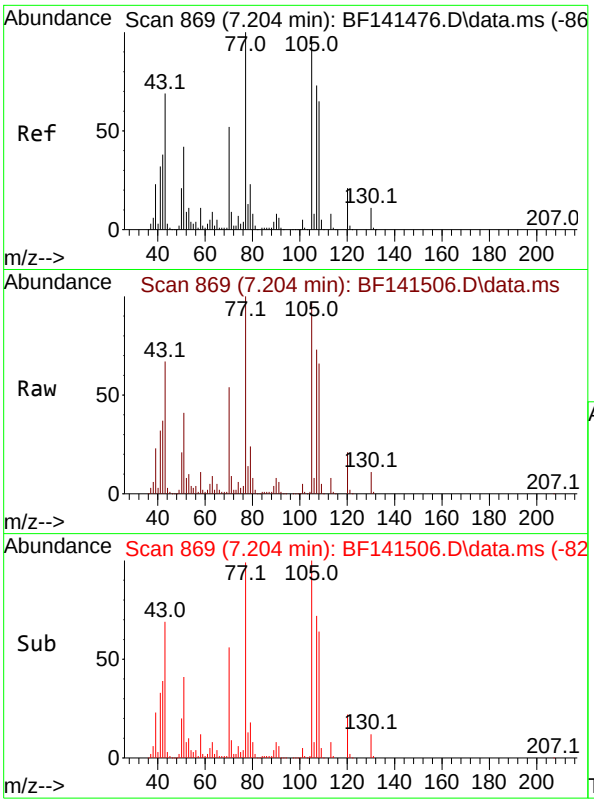




#18
Hexachloroethane
Concen: 39.613 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:117 Resp: 100140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.1 | 76.5 | 114.7 |
| 201 | 96.1 | 76.7 | 115.1 |



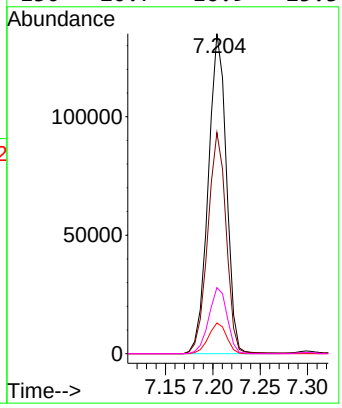


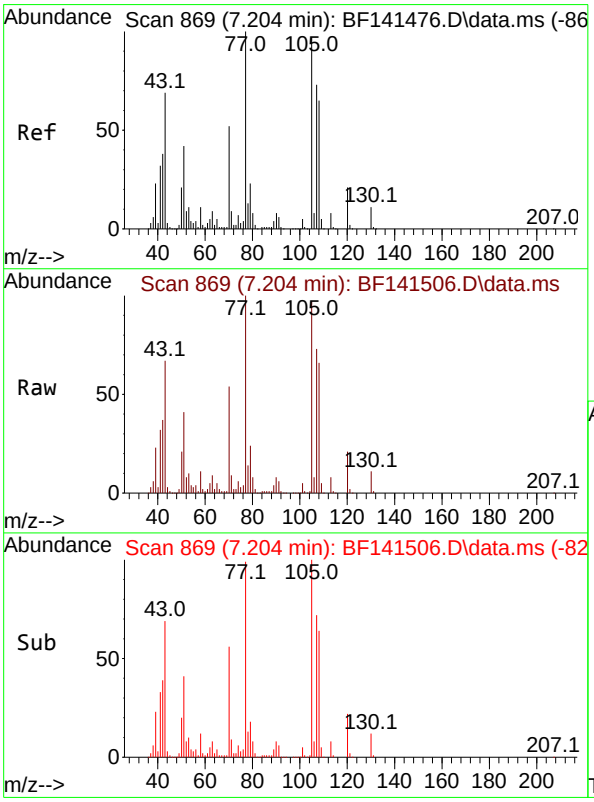

#19
n-Nitroso-di-n-propylamine
Concen: 40.556 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 70 Resp: 179697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 69.1 | 57.4 | 86.2 |
| 101 | 9.6 | 8.0 | 12.0 |
| 130 | 20.7 | 16.9 | 25.3 |

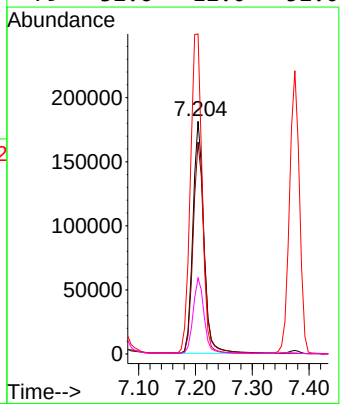


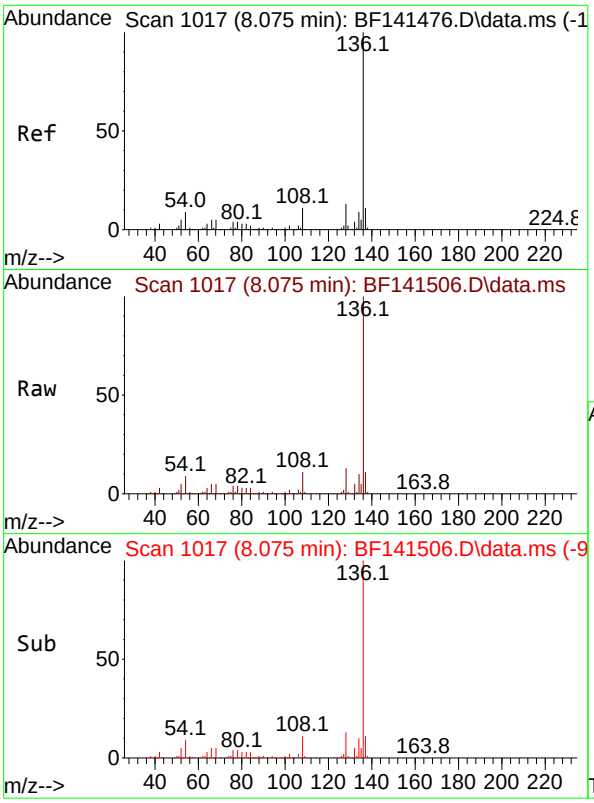




#20
3+4-Methylphenols
Concen: 38.777 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:107 Resp: 244214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.0 | 68.5 | 108.5 |
| 77 | 137.5 | 116.5 | 156.5 |
| 79 | 32.6 | 12.0 | 52.0 |



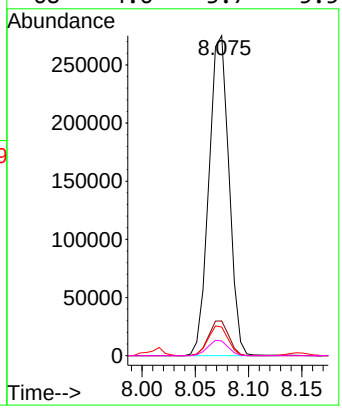


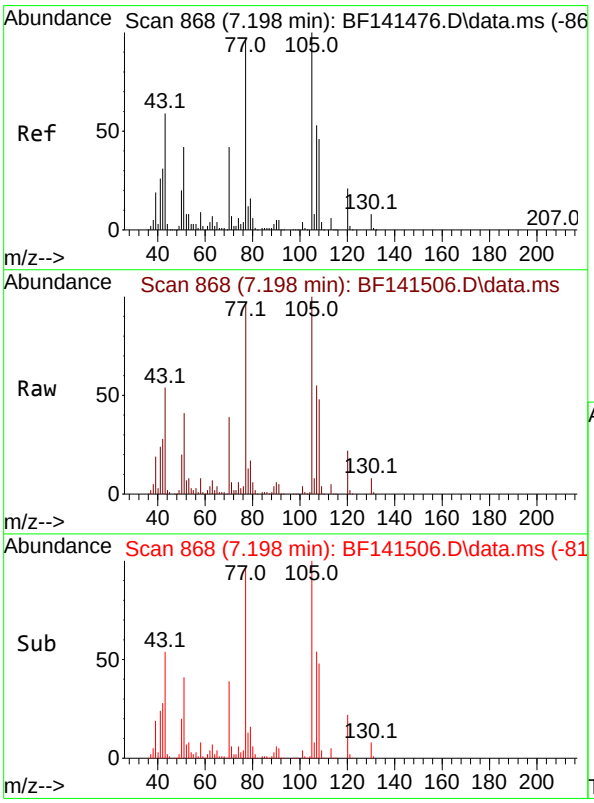

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:136 Resp: 360290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.6 | 13.0 |
| 54 | 9.0 | 7.2 | 10.8 |
| 68 | 4.6 | 3.7 | 5.5 |

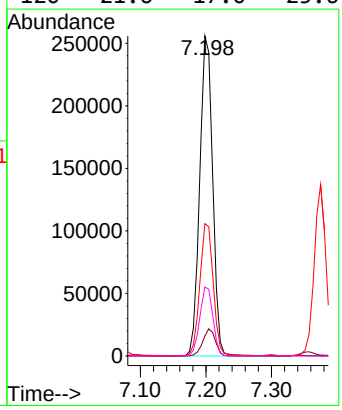


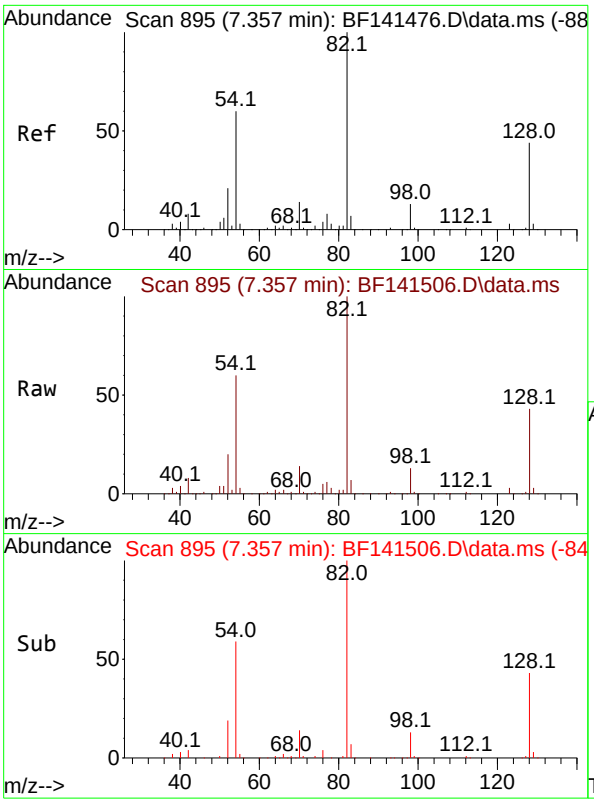




#22
Acetophenone
Concen: 39.294 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:105 Resp: 352167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.3 | 5.7 | 8.5 |
| 51 | 41.3 | 33.7 | 50.5 |
| 120 | 21.6 | 17.0 | 25.6 |



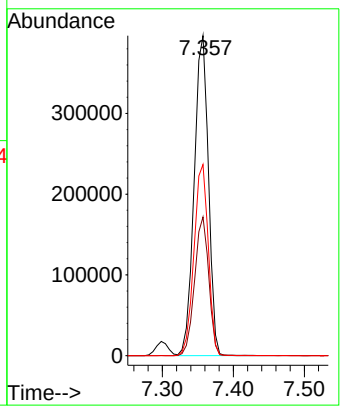


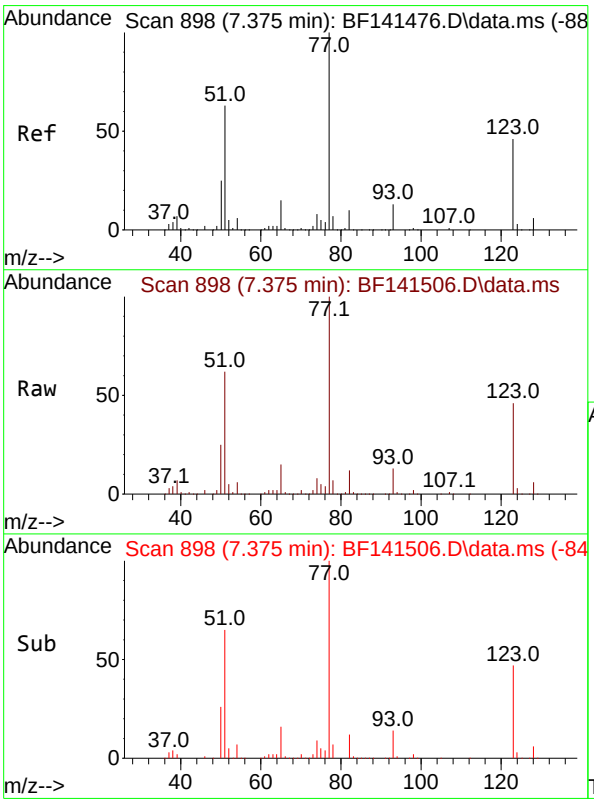

#23
Nitrobenzene-d5
Concen: 80.140 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 553575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.4 | 34.8 | 52.2 |
| 54 | 59.7 | 48.2 | 72.4 |

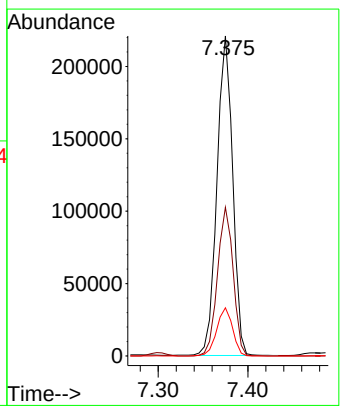


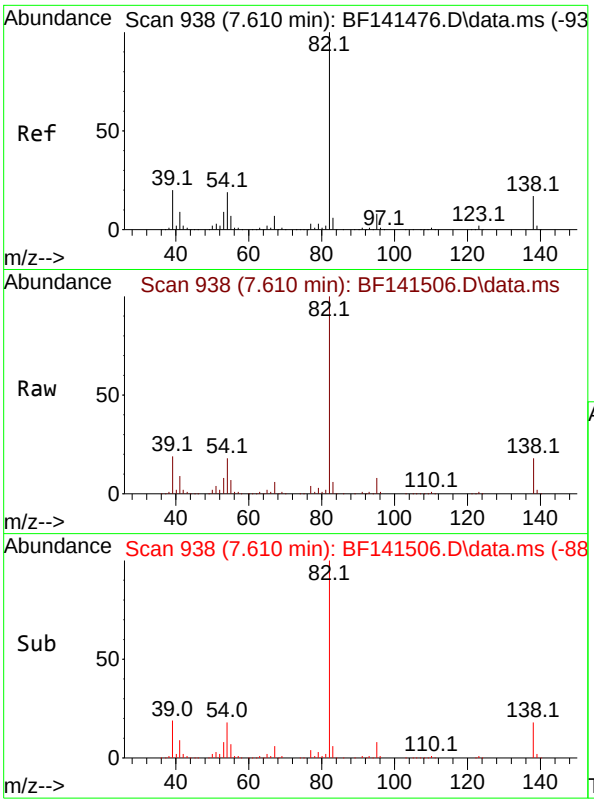




#24
Nitrobenzene
Concen: 39.825 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 77 Resp: 268254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.4 | 36.9 | 55.3 |
| 65 | 15.0 | 11.9 | 17.9 |



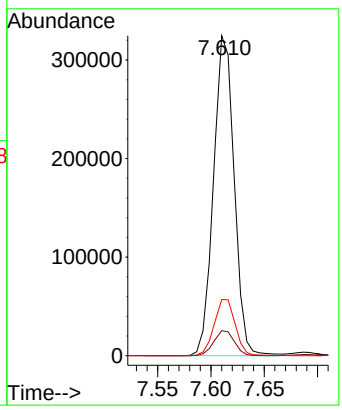


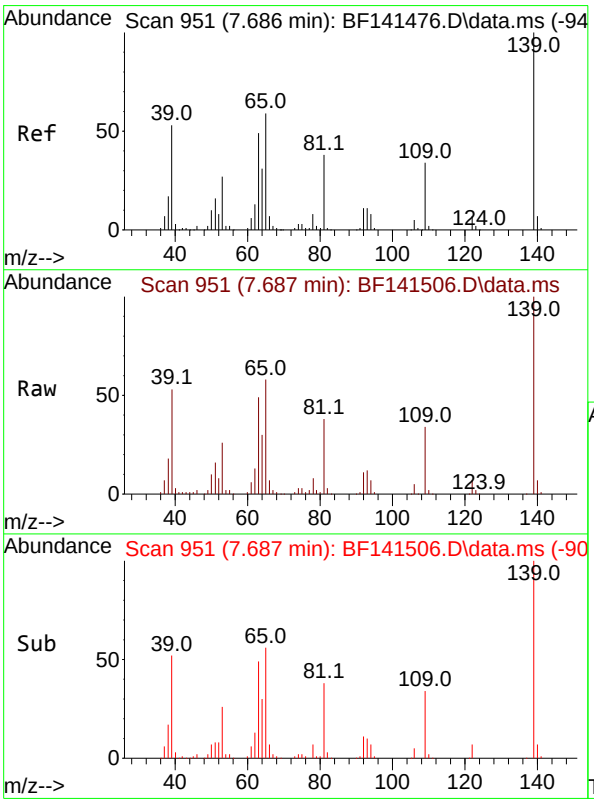

#25
Isophorone
Concen: 39.733 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 437623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.8 | 6.4 | 9.6 |
| 138 | 17.5 | 13.9 | 20.9 |

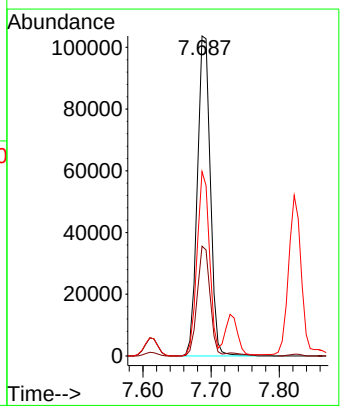


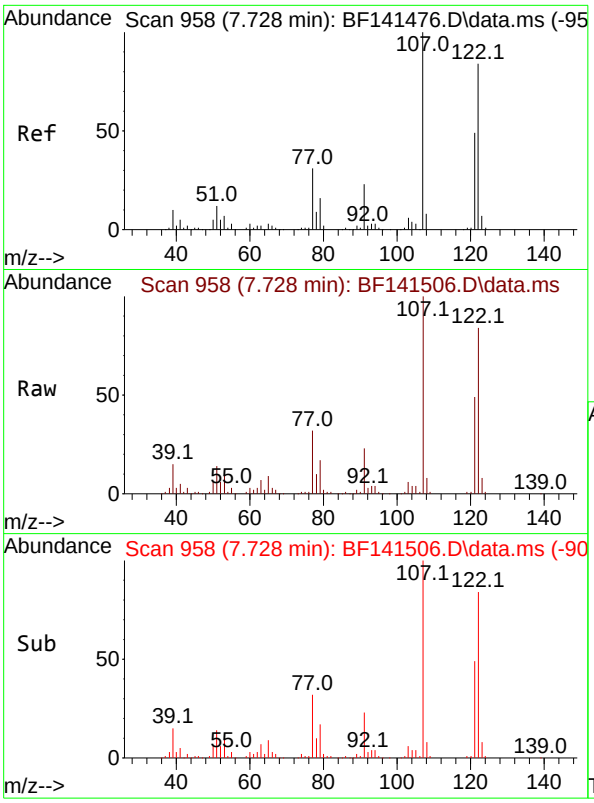




#26
2-Nitrophenol
Concen: 41.014 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:139 Resp: 137445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 34.3 | 27.0 | 40.6 |
| 65 | 57.6 | 47.1 | 70.7 |



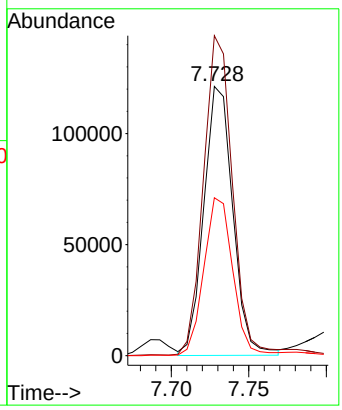


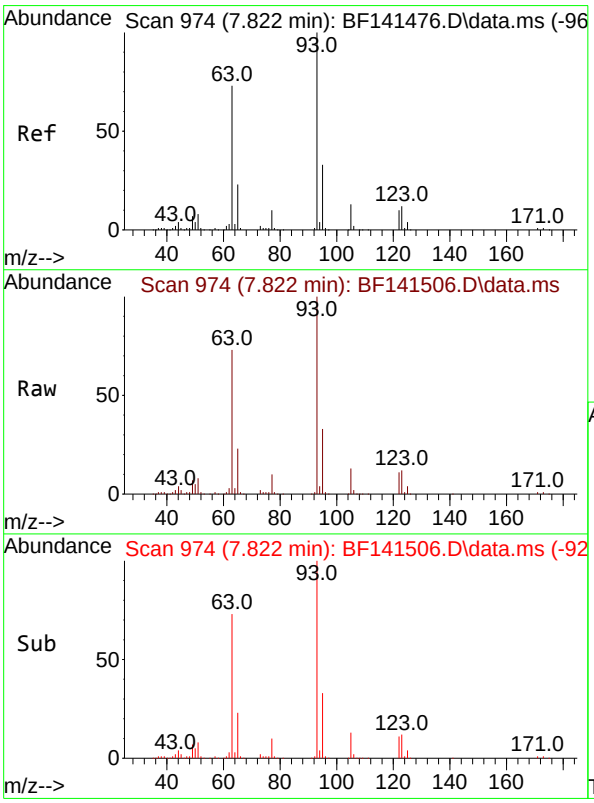

#27
2,4-Dimethylphenol
Concen: 40.362 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:122 Resp: 158012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 118.8 | 94.3 | 141.5 |
| 121 | 58.6 | 46.0 | 69.0 |

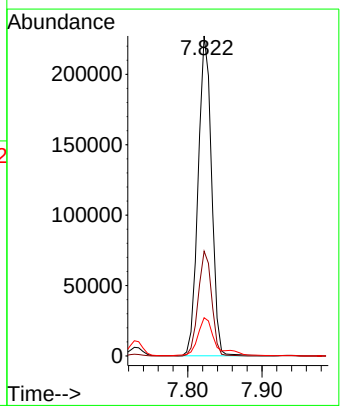


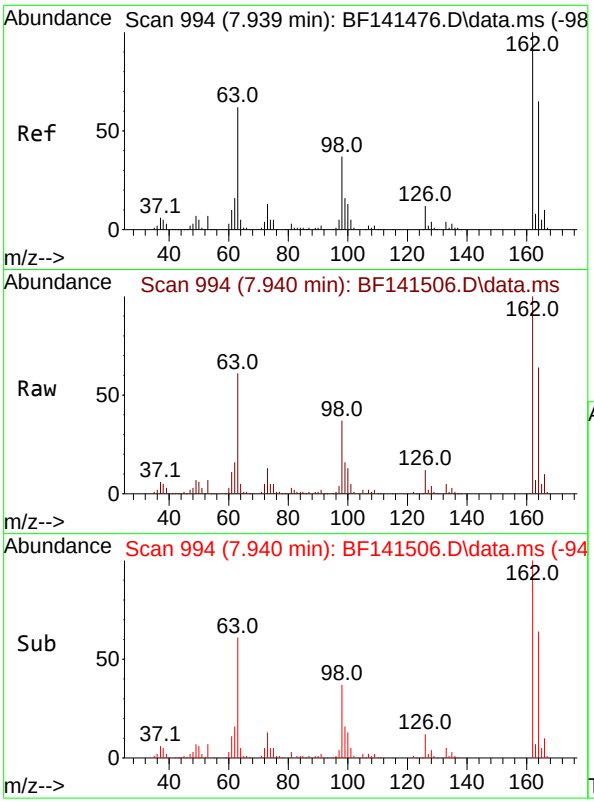




#28
bis(2-Chloroethoxy)methane
Concen: 40.398 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 93 Resp: 285112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.7 | 26.1 | 39.1 |
| 123 | 12.0 | 9.5 | 14.3 |



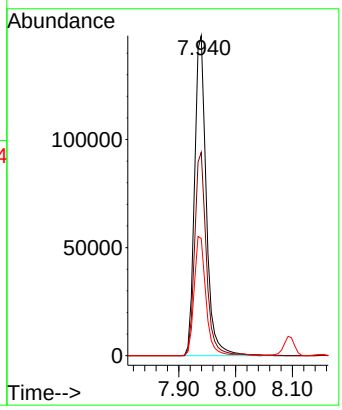


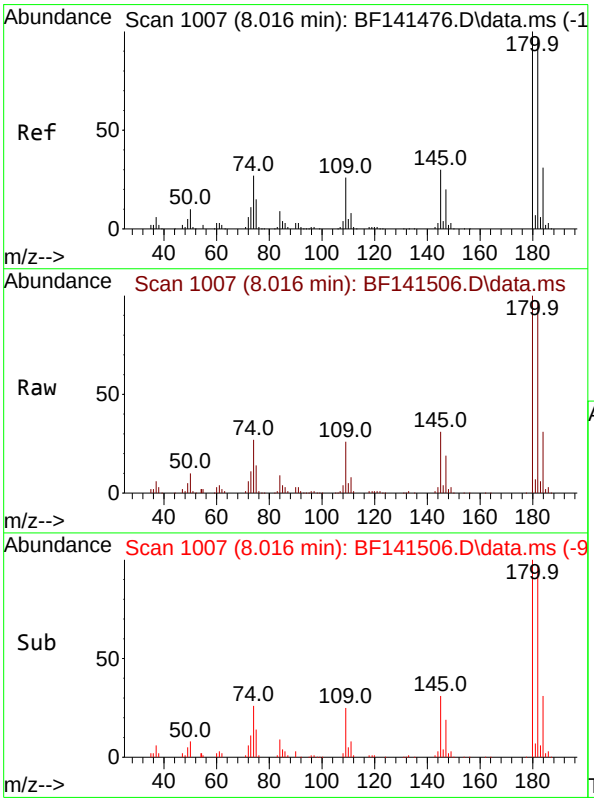

#29
2,4-Dichlorophenol
Concen: 40.337 ng
RT: 7.940 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 213366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.6 | 44.6 | 84.6 |
| 98 | 36.7 | 17.2 | 57.2 |

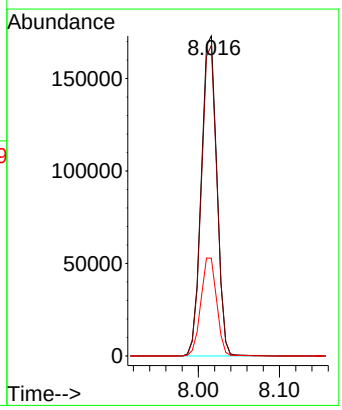


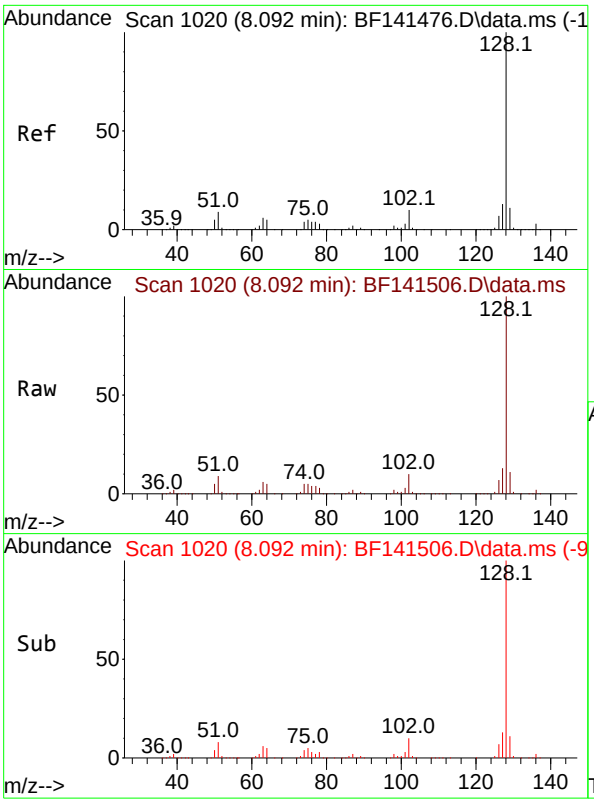




#30
1,2,4-Trichlorobenzene
Concen: 39.869 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:180 Resp: 229655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.0 | 76.8 | 115.2 |
| 145 | 30.5 | 24.2 | 36.4 |



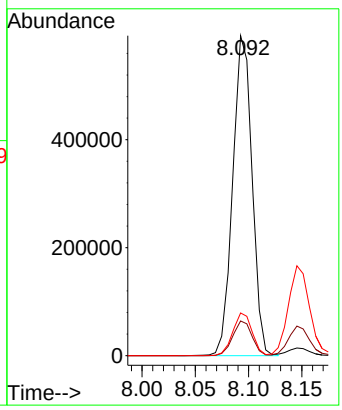


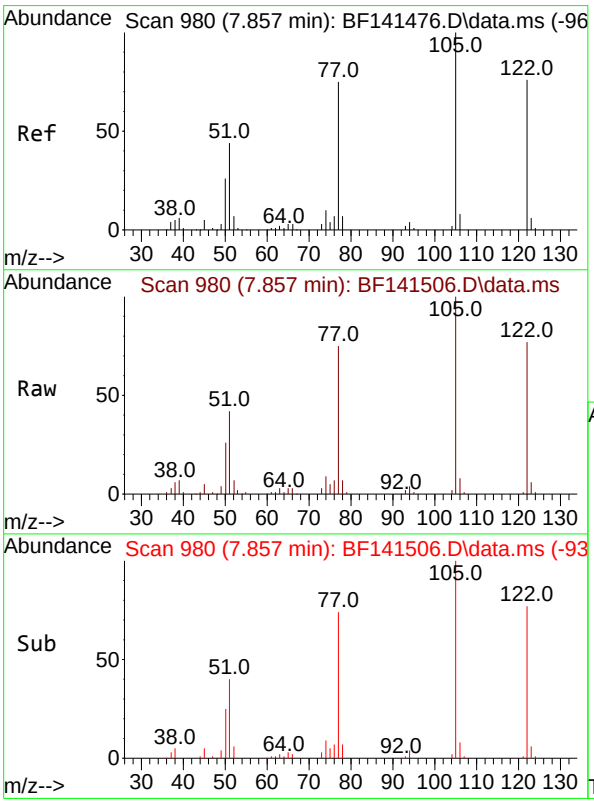

#31
Naphthalene
Concen: 39.968 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:128 Resp: 749587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.9 | 13.3 |
| 127 | 13.4 | 10.7 | 16.1 |

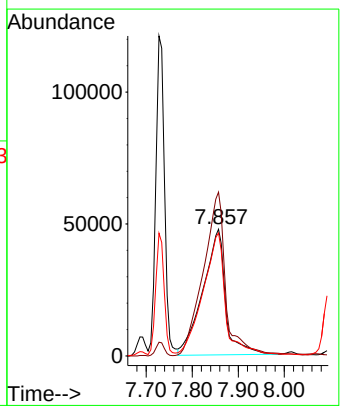


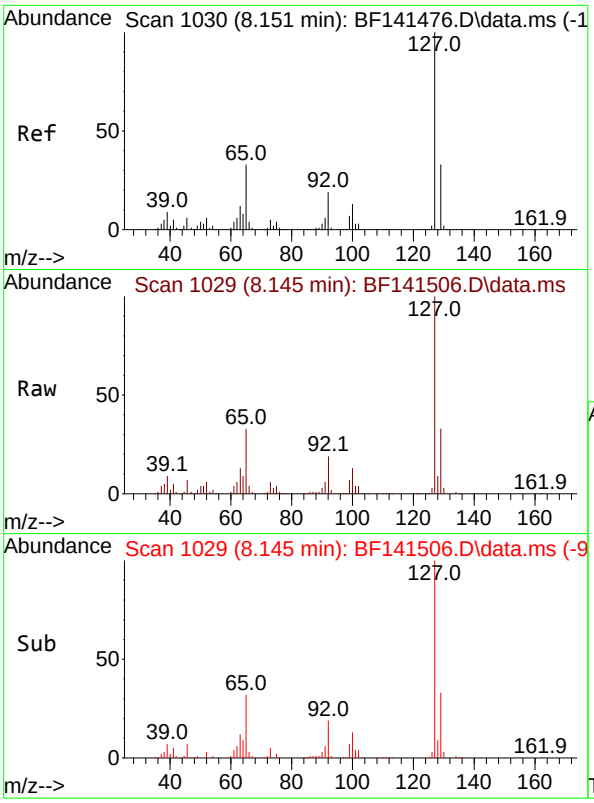




#32
Benzoic acid
Concen: 40.092 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:122 Resp: 163033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 129.3 | 106.5 | 146.5 |
| 77 | 97.1 | 76.3 | 116.3 |



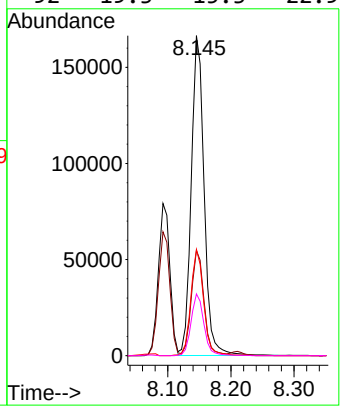


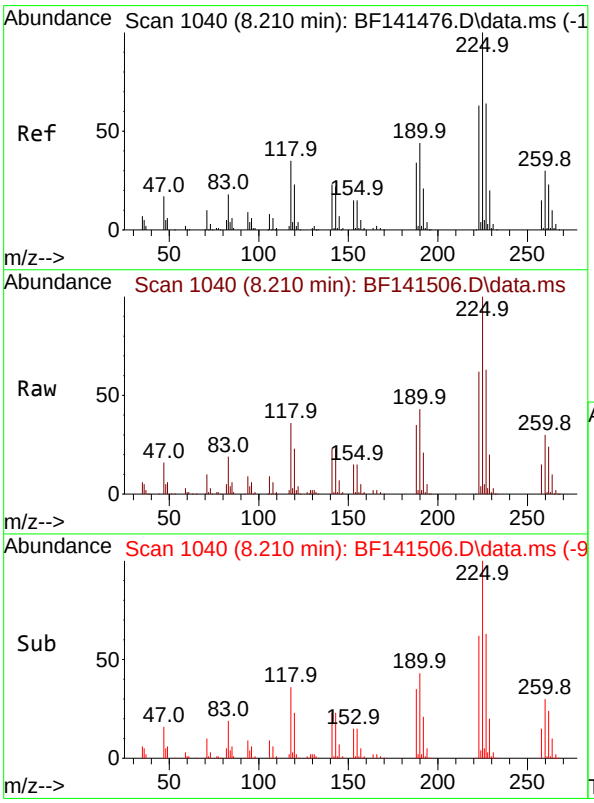

#33
4-Chloroaniline
Concen: 35.960 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:127 Resp: 235464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.9 | 26.5 | 39.7 |
| 65 | 33.2 | 26.4 | 39.6 |
| 92 | 19.3 | 15.3 | 22.9 |

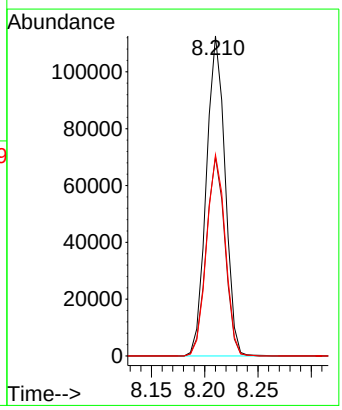


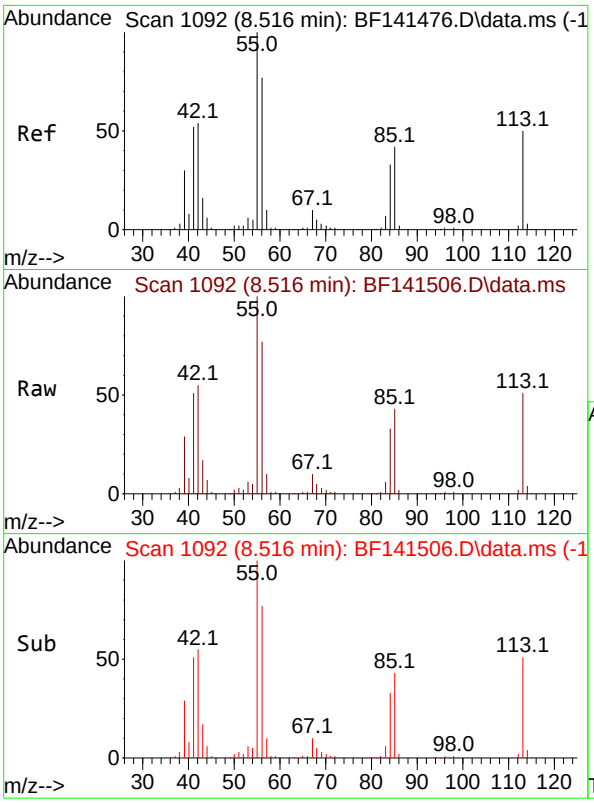




#34
Hexachlorobutadiene
Concen: 39.845 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:225 Resp: 137788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.2 | 50.1 | 75.1 |
| 227 | 62.9 | 51.0 | 76.6 |



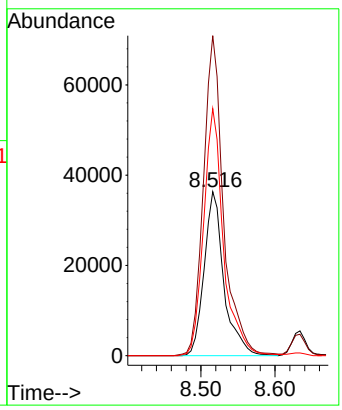


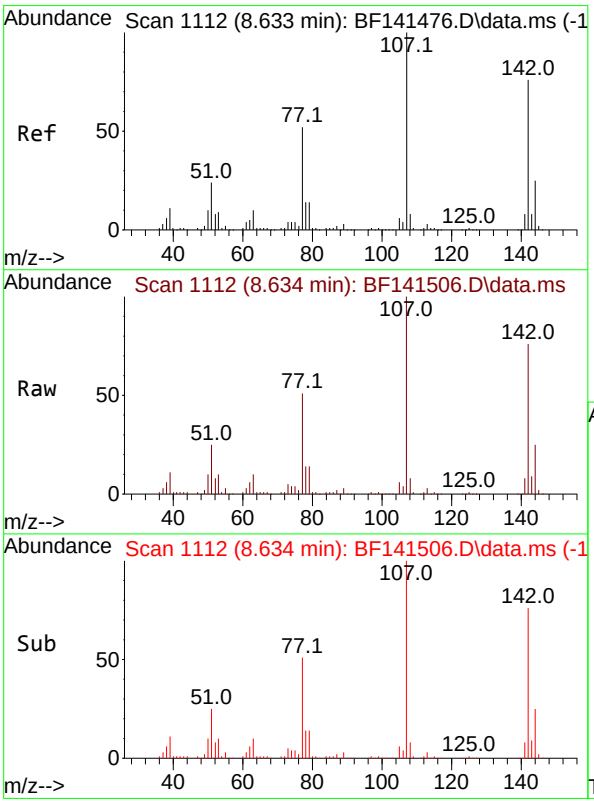

#35
Caprolactam
Concen: 41.746 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:113 Resp: 67233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 195.1 | 180.8 | 220.8 |
| 56 | 150.6 | 133.6 | 173.6 |

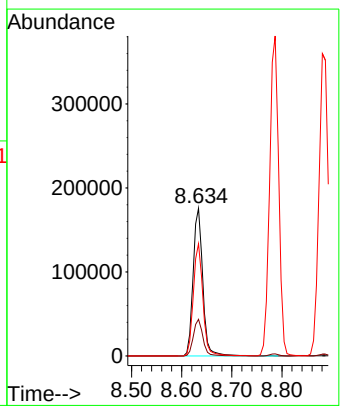


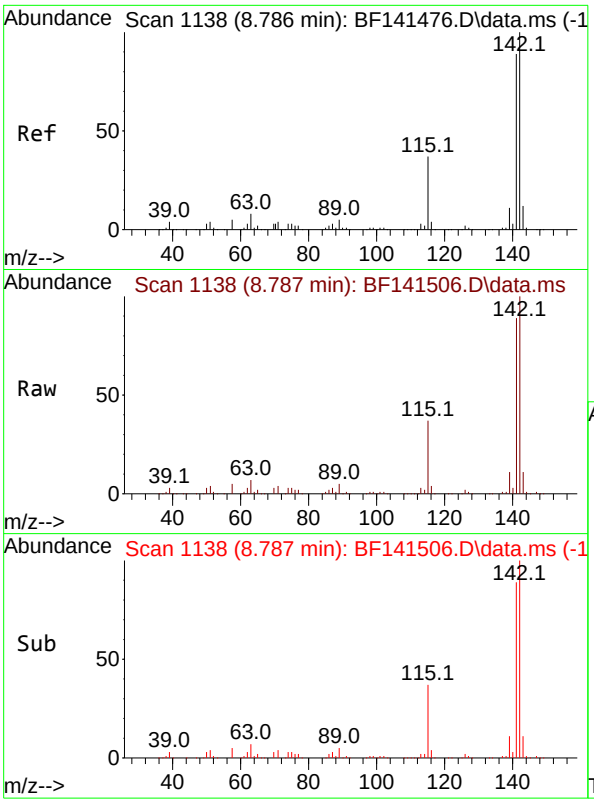




#36
4-Chloro-3-methylphenol
Concen: 40.105 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:107 Resp: 234989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.8 | 19.7 | 29.5 |
| 142 | 76.0 | 60.8 | 91.2 |



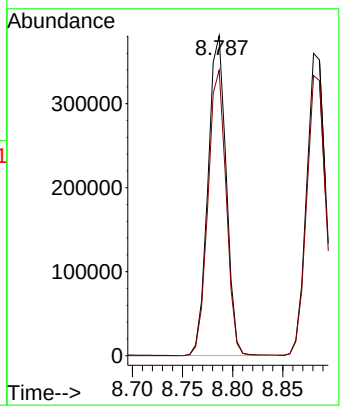


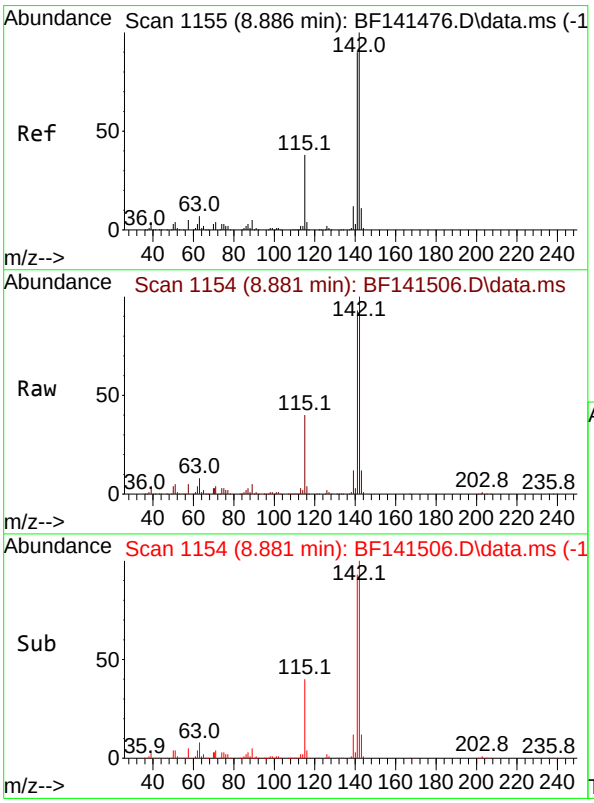

#37
2-Methylnaphthalene
Concen: 39.430 ng
RT: 8.787 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:142 Resp: 481204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.2 | 71.2 | 106.8 |

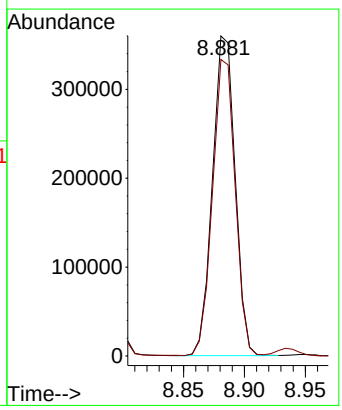


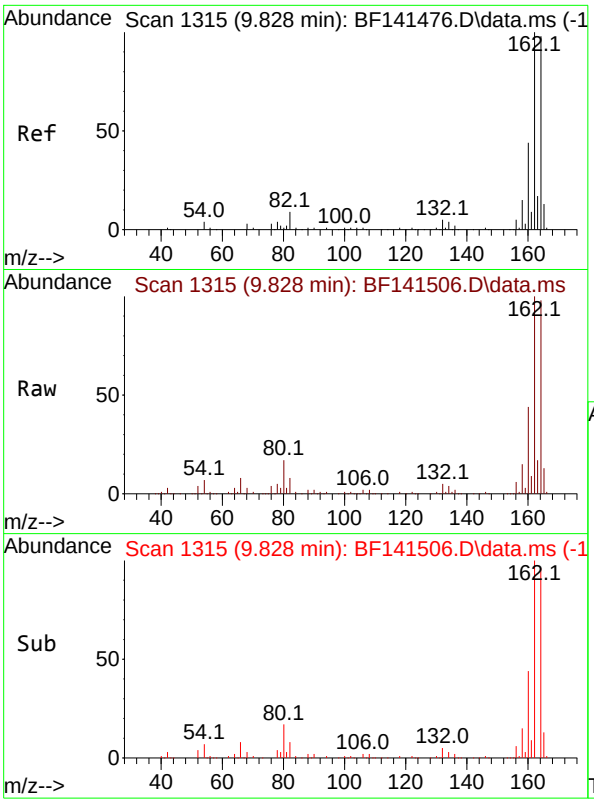




#38
1-Methylnaphthalene
Concen: 39.416 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:142 Resp: 465894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.6 | 72.1 | 108.1 |



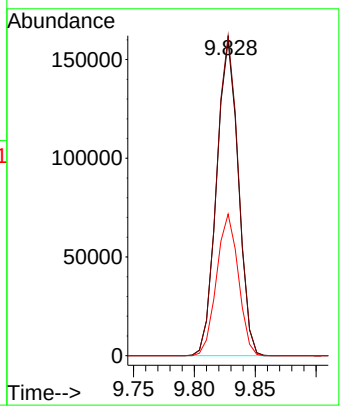


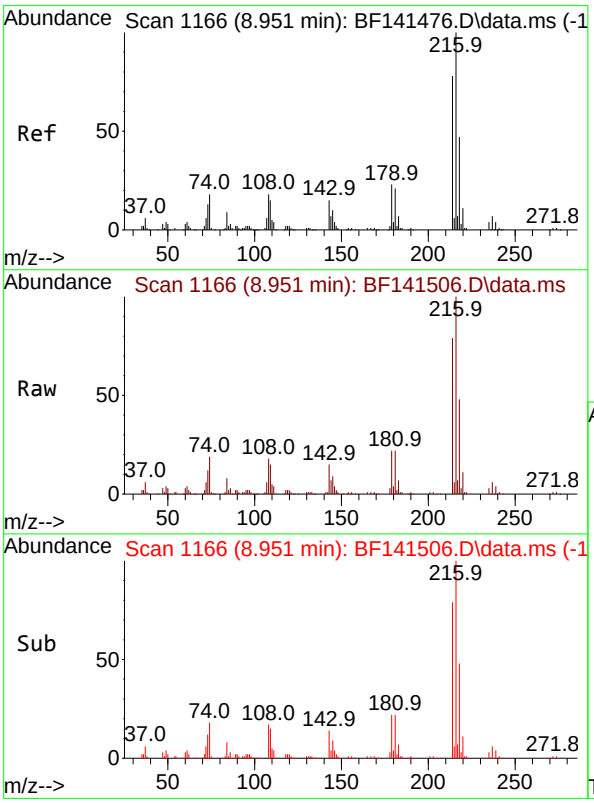

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:164 Resp: 198348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.6 | 81.3 | 121.9 |
| 160 | 45.0 | 35.9 | 53.9 |

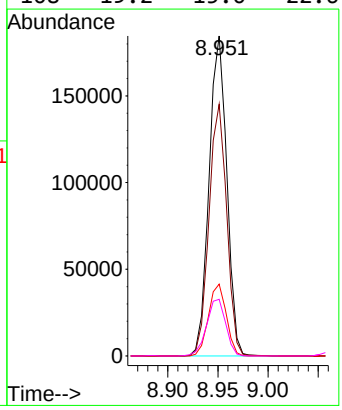


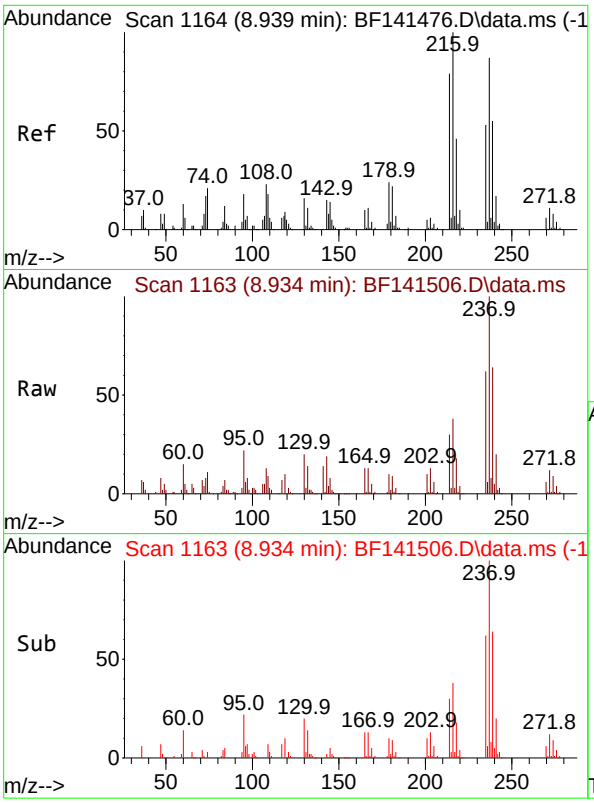




#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.480 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:216 Resp: 226553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.5 | 62.3 | 93.5 |
| 179 | 22.6 | 18.0 | 27.0 |
| 108 | 19.2 | 15.0 | 22.6 |



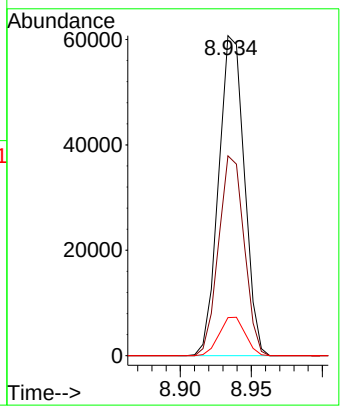


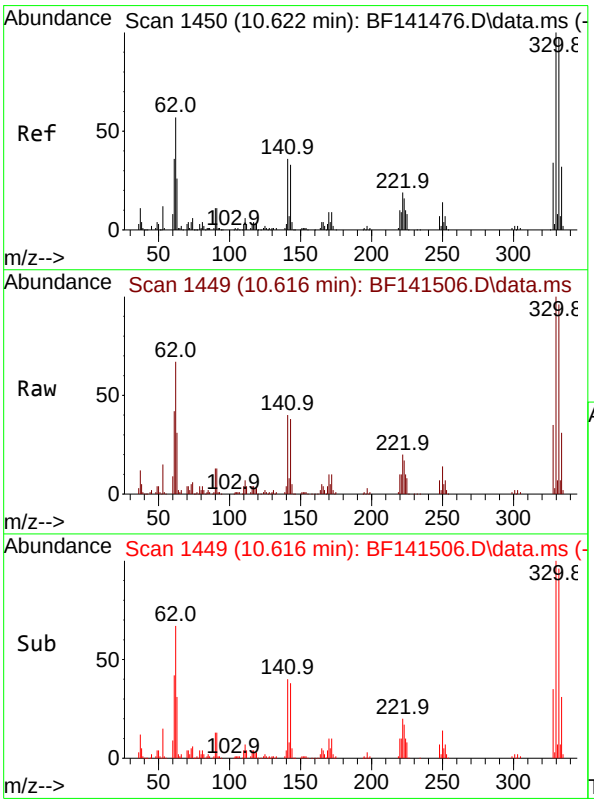

#41
Hexachlorocyclopentadiene
Concen: 40.055 ng
RT: 8.934 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:237 Resp: 76451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.5 | 41.4 | 81.4 |
| 272 | 11.9 | 0.0 | 32.4 |

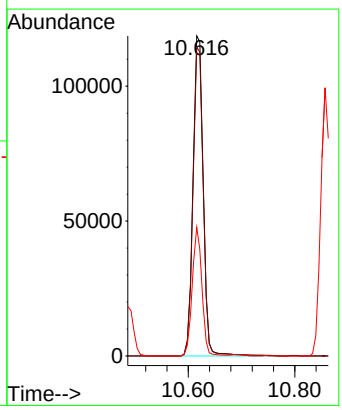


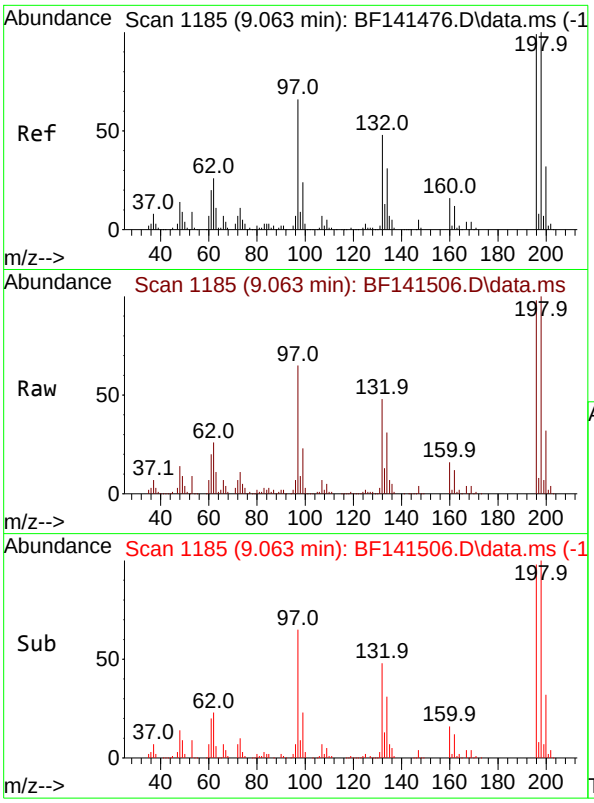




#42
2,4,6-Tribromophenol
Concen: 79.512 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:330 Resp: 158428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 78.5 | 117.7 |
| 141 | 37.9 | 31.0 | 46.4 |



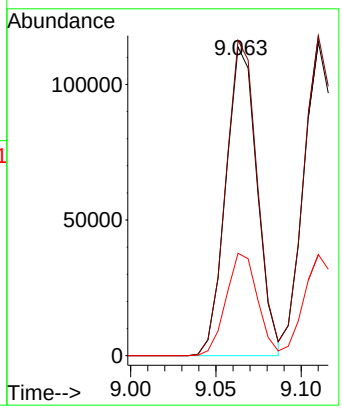


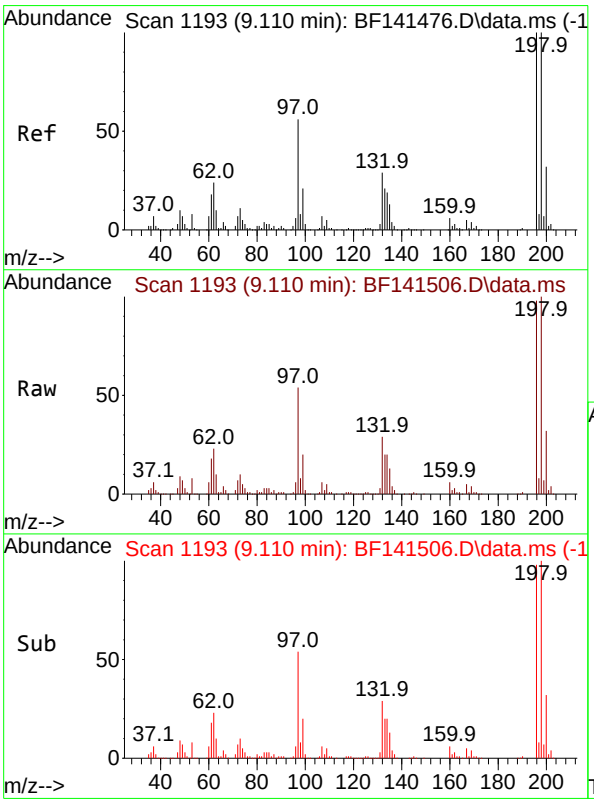

#43
2,4,6-Trichlorophenol
Concen: 39.310 ng
RT: 9.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:196 Resp: 145794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 102.2 | 80.6 | 121.0 |
| 200 | 33.2 | 25.5 | 38.3 |

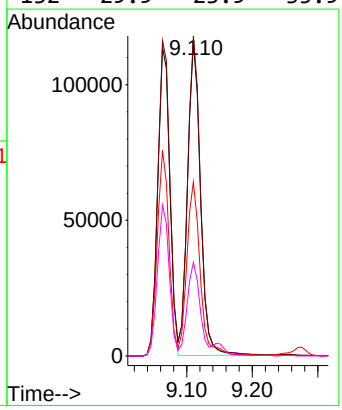


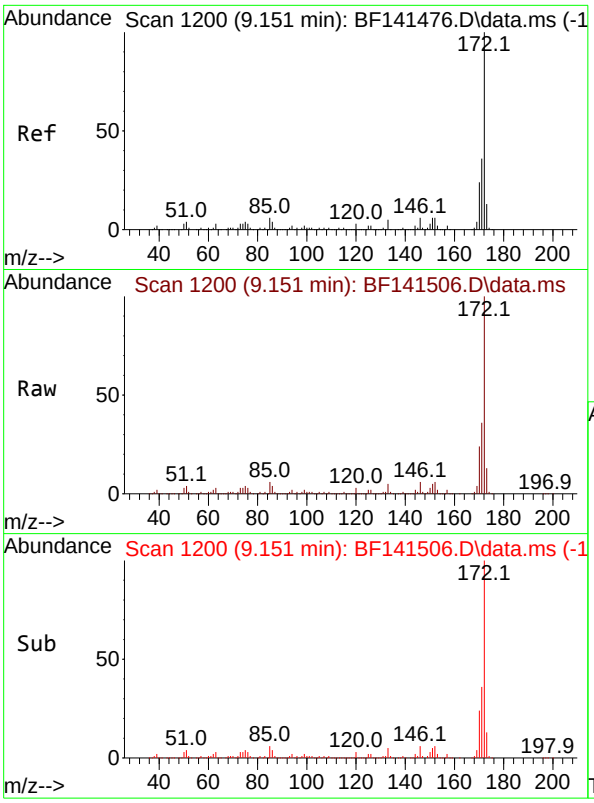




#44
2,4,5-Trichlorophenol
Concen: 39.352 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:196 Resp: 158176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 102.0 | 79.8 | 119.8 |
| 97 | 55.4 | 44.8 | 67.2 |
| 132 | 29.9 | 23.9 | 35.9 |



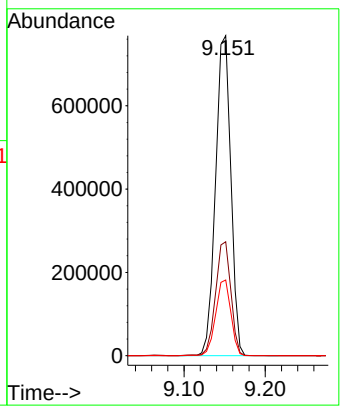


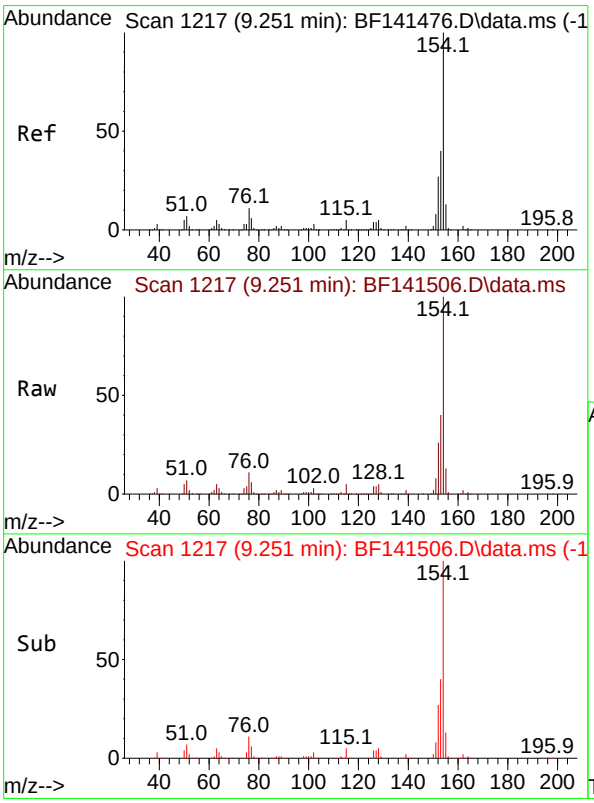

#45
2-Fluorobiphenyl
Concen: 78.150 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:172 Resp: 1006130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 28.7 | 43.1 |
| 170 | 23.7 | 18.9 | 28.3 |

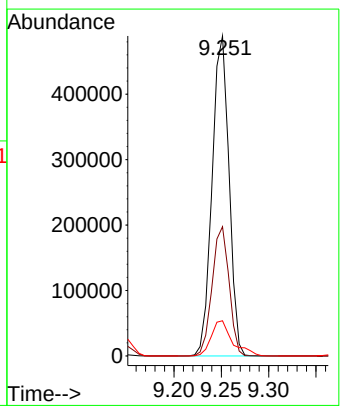


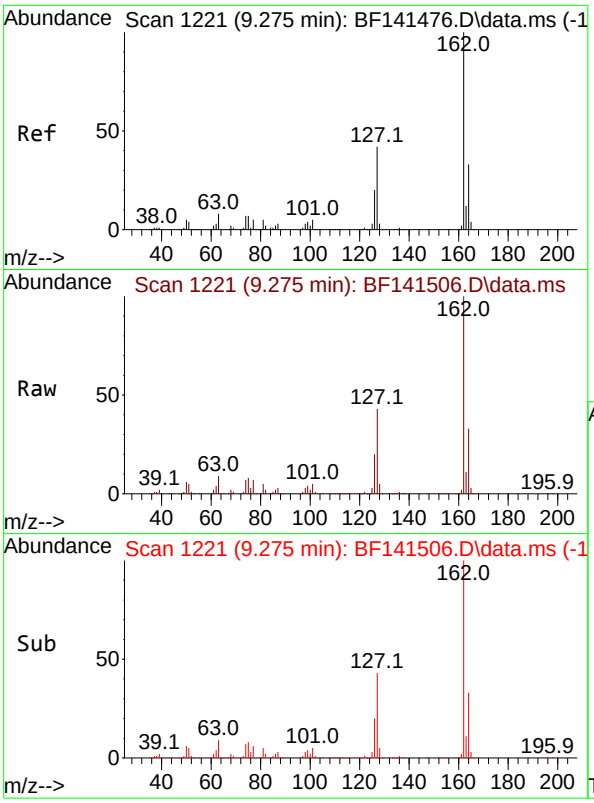




#46
1,1'-Biphenyl
Concen: 39.417 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:154 Resp: 606143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.4 | 20.4 | 60.4 |
| 76 | 11.0 | 0.0 | 30.8 |



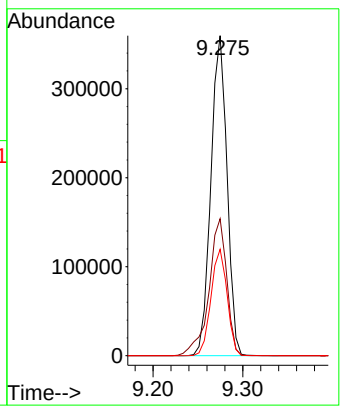


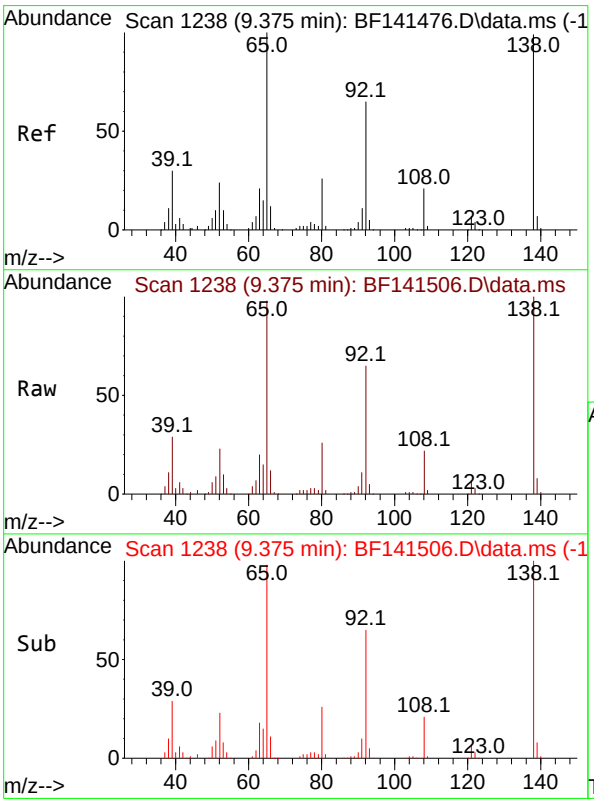

#47
2-Chloronaphthalene
Concen: 39.485 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 448999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.8 | 34.1 | 51.1 |
| 164 | 33.2 | 26.3 | 39.5 |

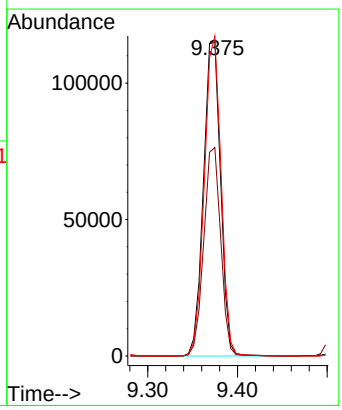


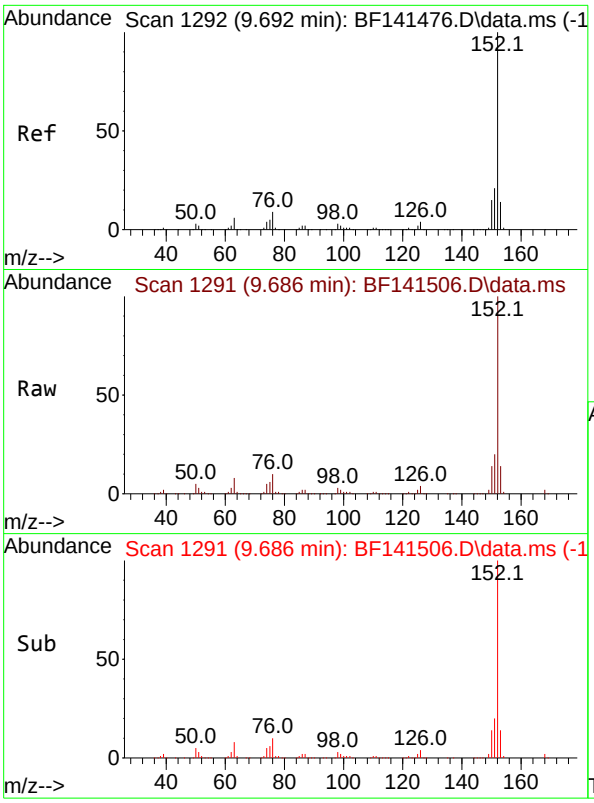




#48
2-Nitroaniline
Concen: 40.054 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 65 Resp: 152856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 66.4 | 52.2 | 78.2 |
| 138 | 101.9 | 79.5 | 119.3 |



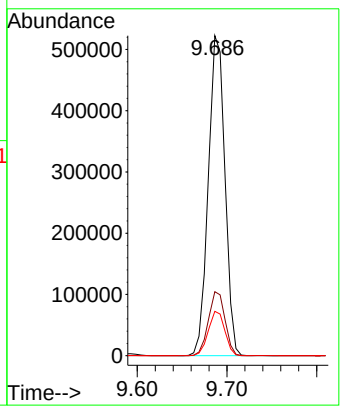


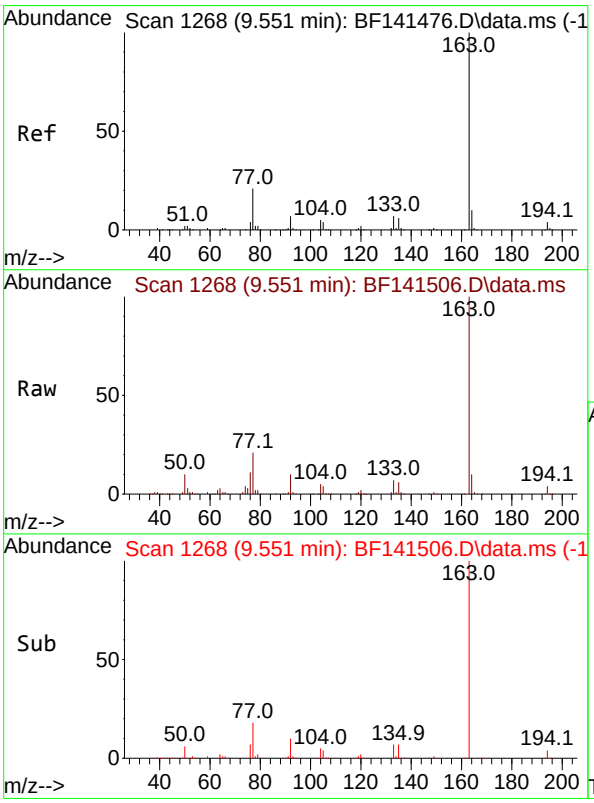

#49
Acenaphthylene
Concen: 39.800 ng
RT: 9.686 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 673155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 16.4 | 24.6 |
| 153 | 13.9 | 10.9 | 16.3 |

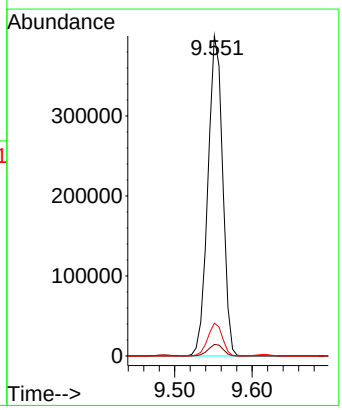


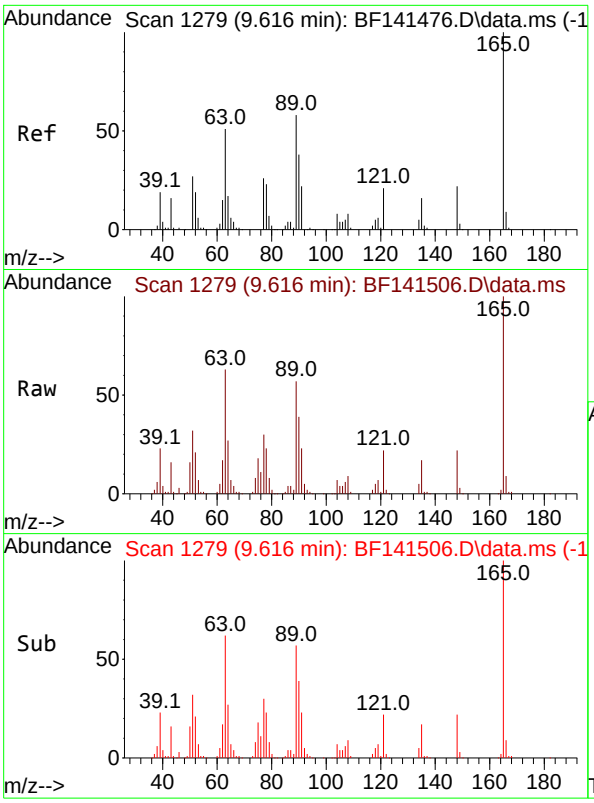




#50
Dimethylphthalate
Concen: 39.426 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:163 Resp: 530887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.6 | 3.0 | 4.4 |
| 164 | 10.3 | 7.9 | 11.9 |



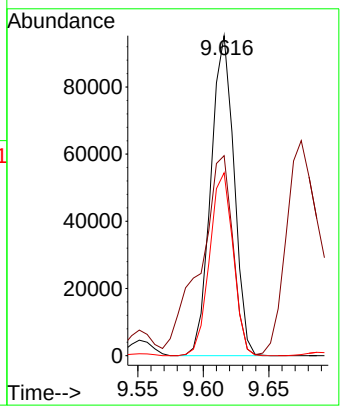


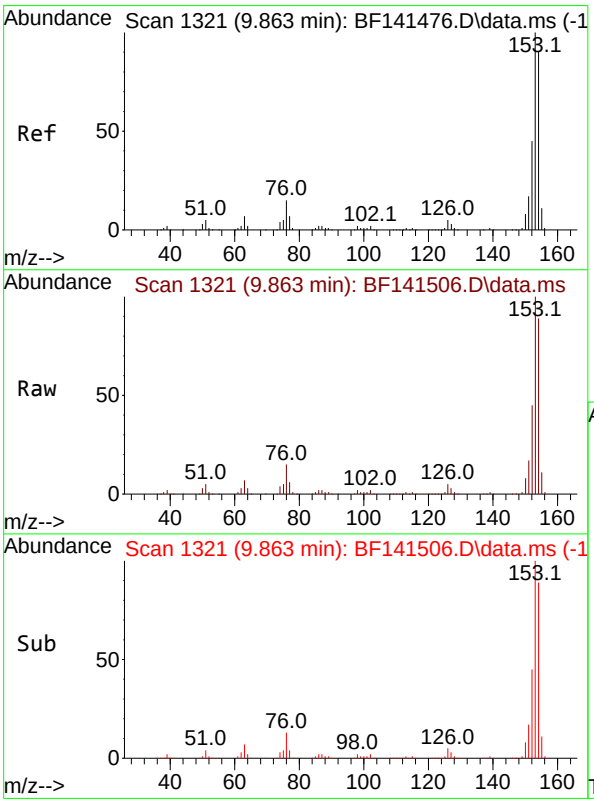

#51
2,6-Dinitrotoluene
Concen: 39.701 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 116863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 62.5 | 49.4 | 74.0 |
| 89 | 57.2 | 46.5 | 69.7 |

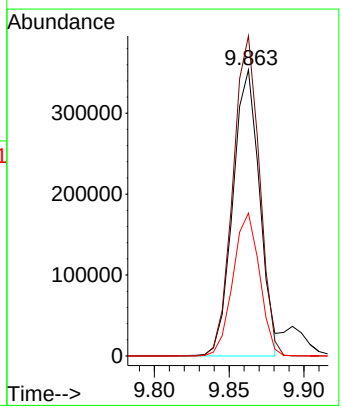


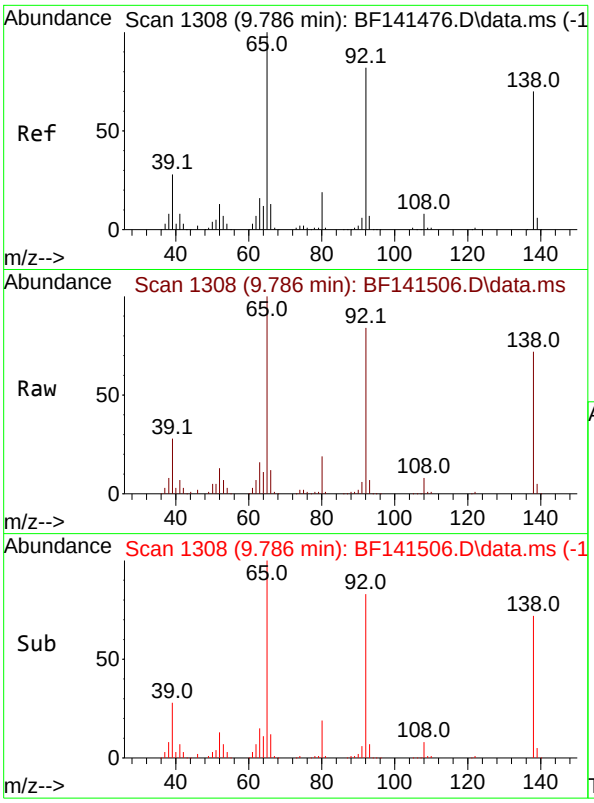




#52
Acenaphthene
Concen: 38.936 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:154 Resp: 442729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.9 | 89.2 | 133.8 |
| 152 | 50.0 | 39.8 | 59.8 |



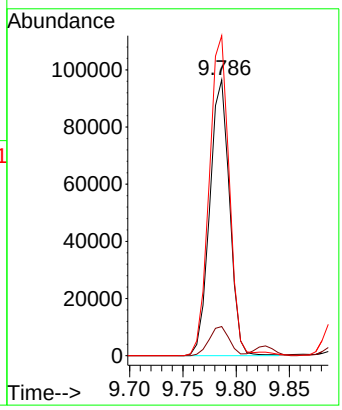


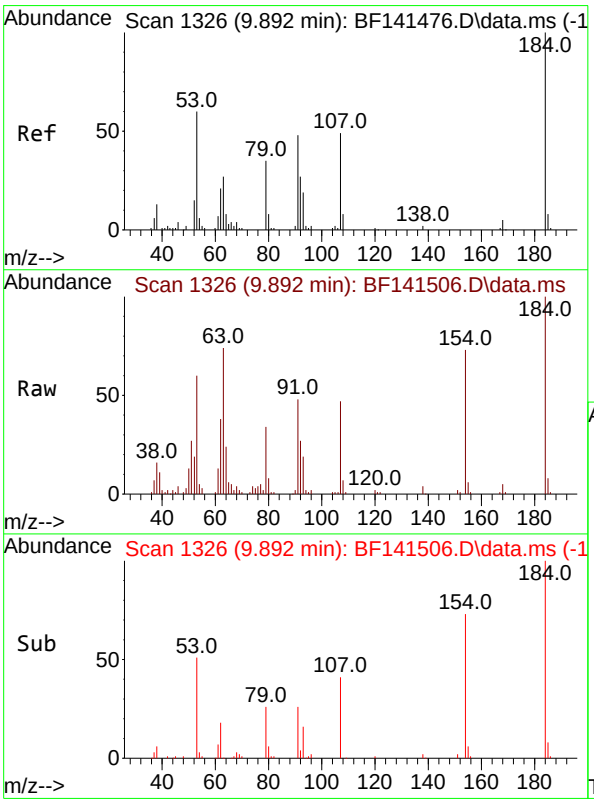

#53
3-Nitroaniline
Concen: 39.406 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:138 Resp: 124846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.6 | 9.0 | 13.4 |
| 92 | 116.0 | 93.7 | 140.5 |

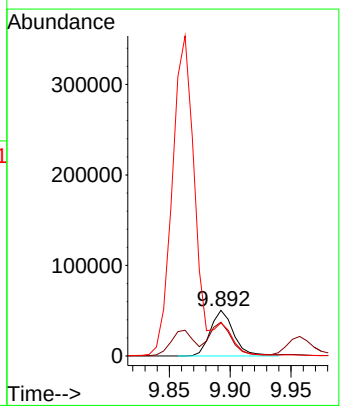


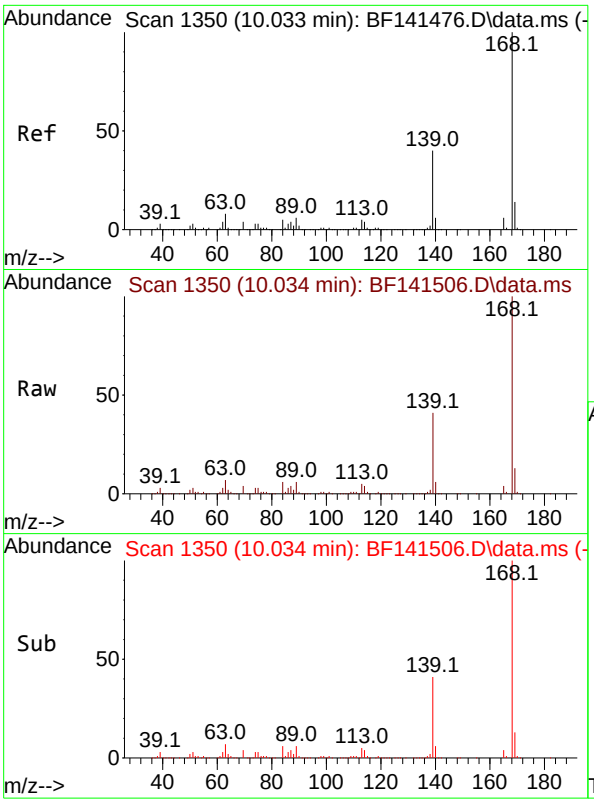




#54
2,4-Dinitrophenol
Concen: 38.328 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:184 Resp: 67053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 74.1 | 61.0 | 91.6 |
| 154 | 72.8 | 59.9 | 89.9 |



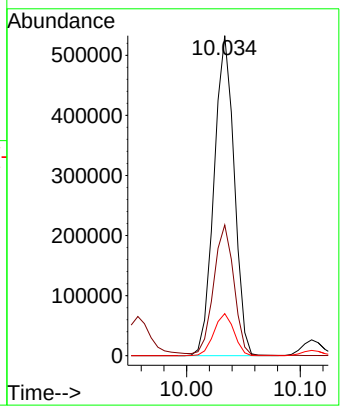


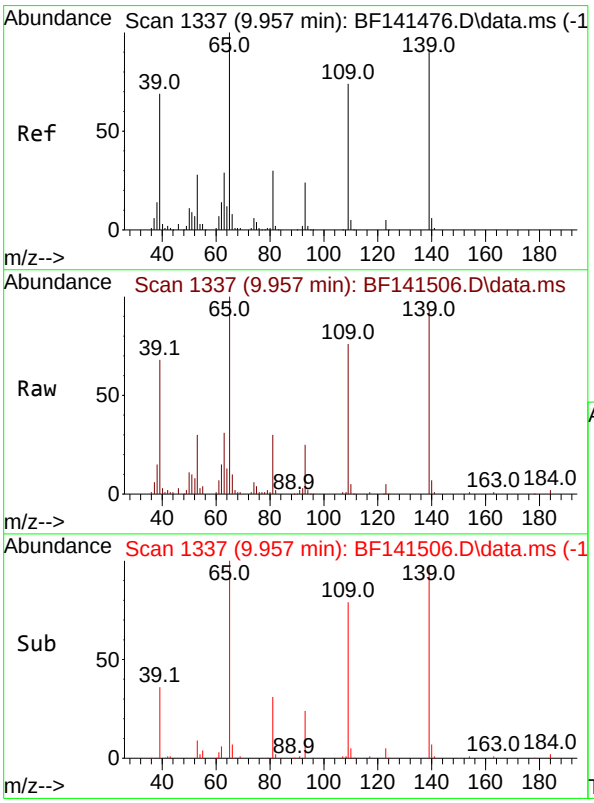

#55
Dibenzofuran
Concen: 39.347 ng
RT: 10.034 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:168 Resp: 656713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.9 | 32.7 | 49.1 |
| 169 | 13.1 | 10.8 | 16.2 |

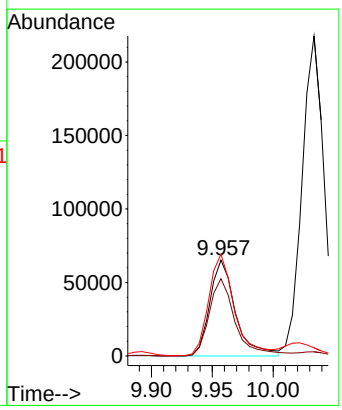


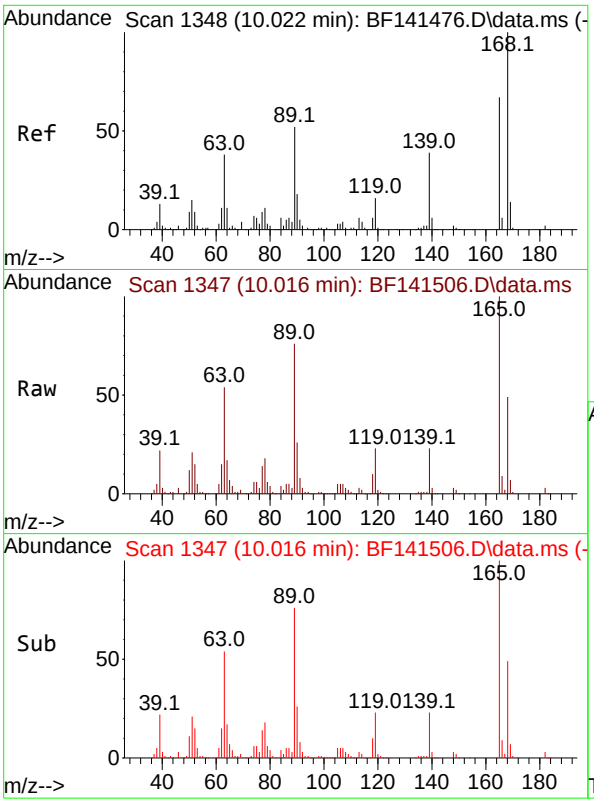




#56
4-Nitrophenol
Concen: 40.524 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:139 Resp: 95307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 80.7 | 62.0 | 102.0 |
| 65 | 106.1 | 91.2 | 131.2 |



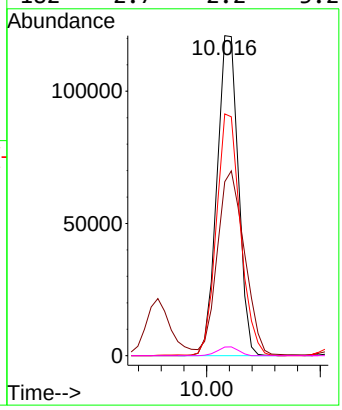


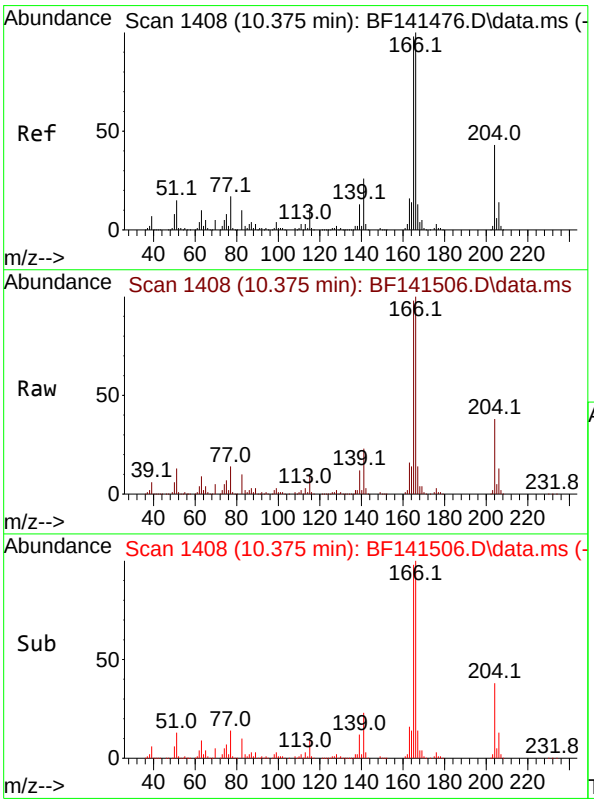

#57
2,4-Dinitrotoluene
Concen: 40.483 ng
RT: 10.016 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 158641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 54.3 | 46.4 | 69.6 |
| 89 | 75.5 | 61.8 | 92.6 |
| 182 | 2.7 | 2.2 | 3.2 |

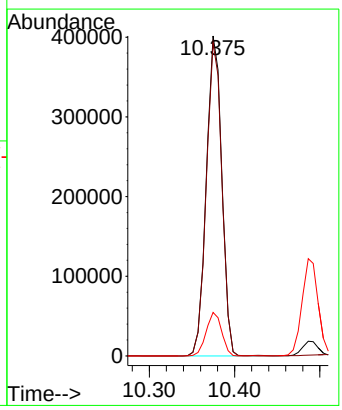


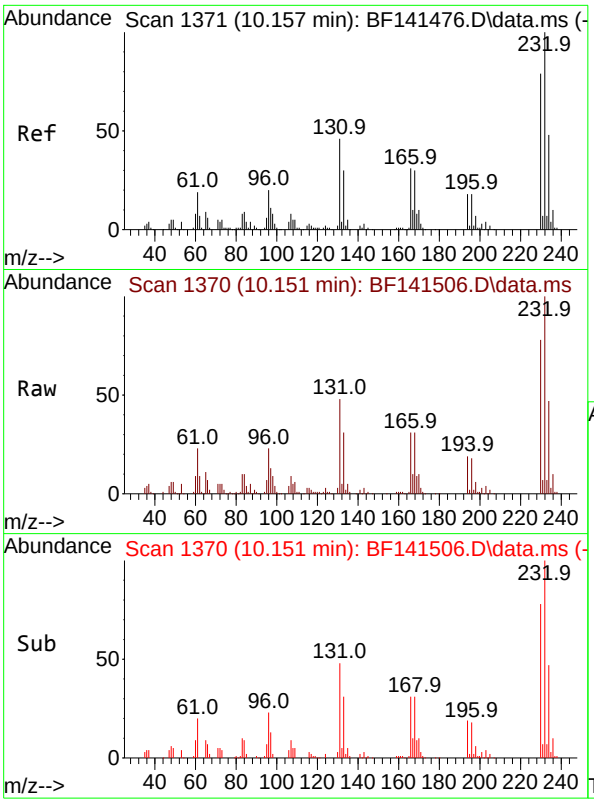




#58
Fluorene
Concen: 39.298 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:166 Resp: 507132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.8 | 78.2 | 117.2 |
| 167 | 13.6 | 10.7 | 16.1 |



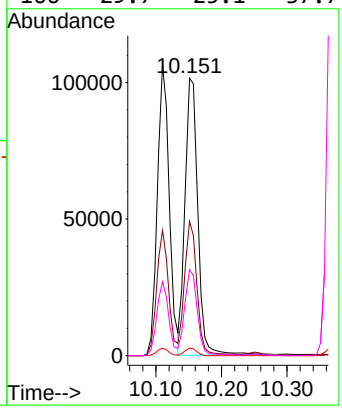


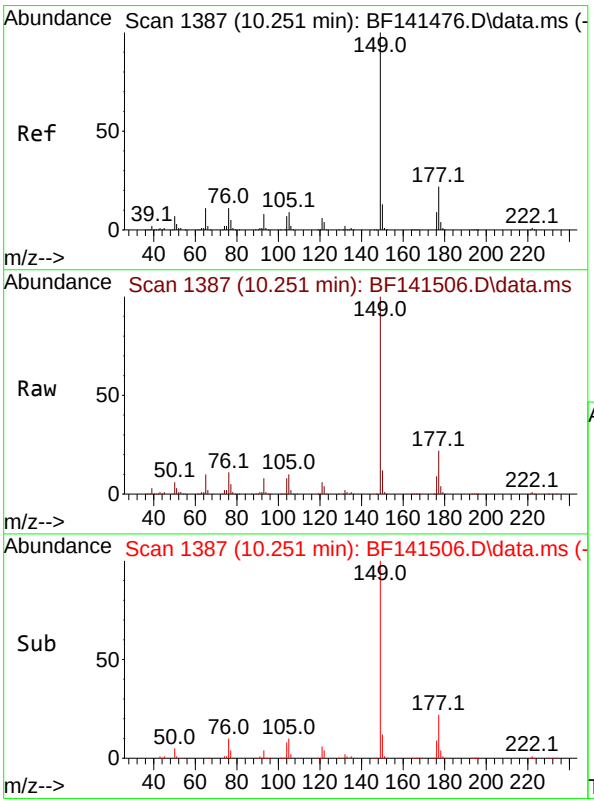

#59
2,3,4,6-Tetrachlorophenol
Concen: 39.668 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:232 Resp: 137272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.6 | 39.2 | 58.8 |
| 130 | 2.5 | 2.1 | 3.1 |
| 166 | 29.7 | 25.1 | 37.7 |

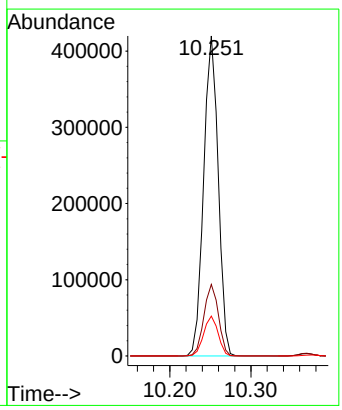


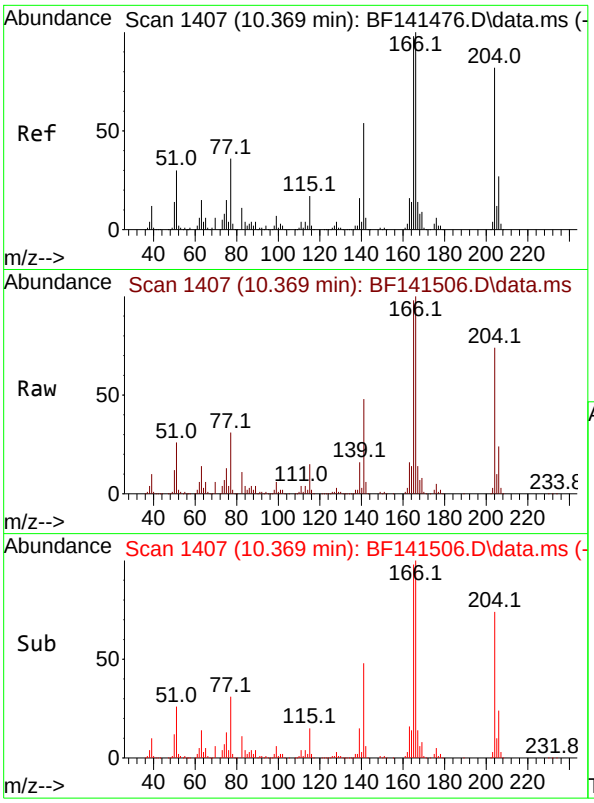




#60
Diethylphthalate
Concen: 39.320 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:149 Resp: 520921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.4 | 17.8 | 26.6 |
| 150 | 12.5 | 10.1 | 15.1 |



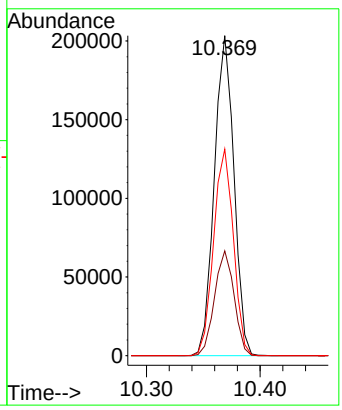


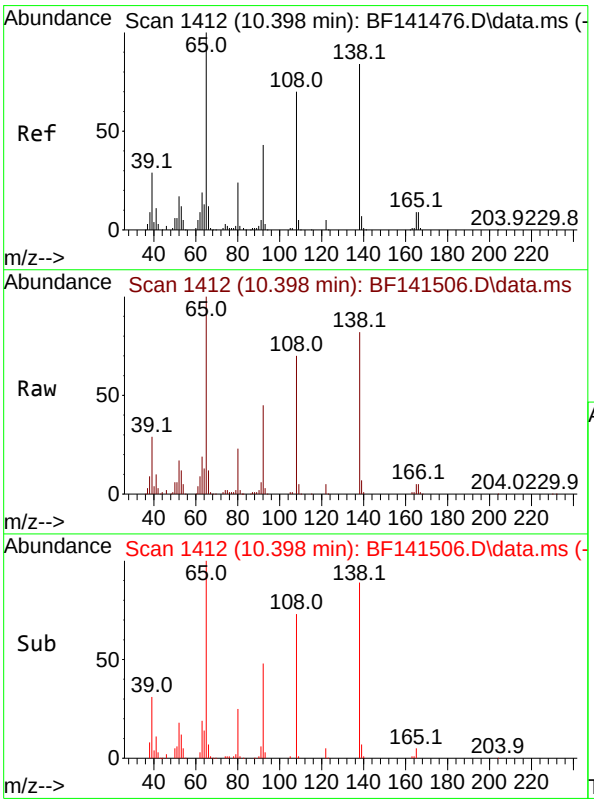

#61
4-Chlorophenyl-phenylether
Concen: 39.371 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:204 Resp: 244431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.7 | 26.6 | 40.0 |
| 141 | 64.5 | 51.9 | 77.9 |

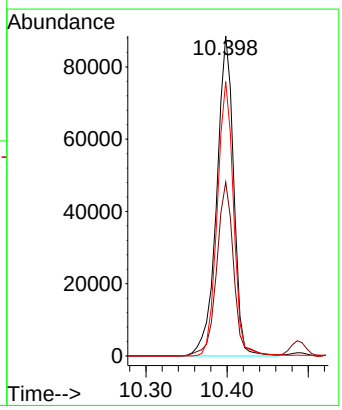


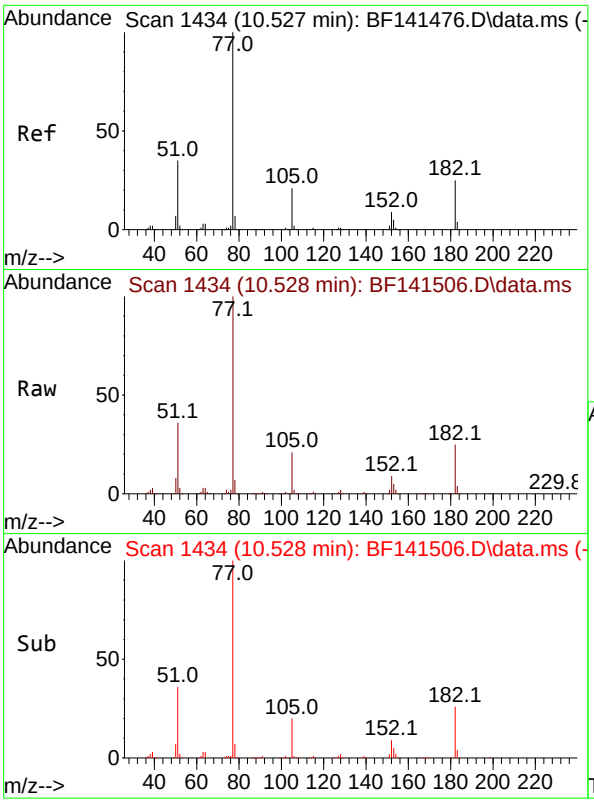




#62
4-Nitroaniline
Concen: 40.203 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.017 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:138 Resp: 129336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 54.3 | 31.3 | 71.3 |
| 108 | 85.7 | 63.7 | 103.7 |



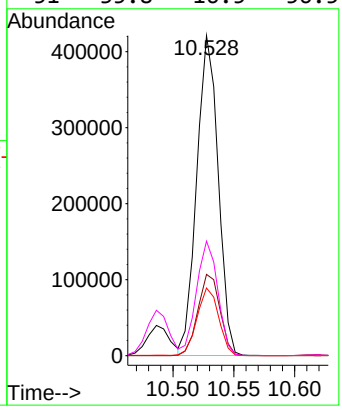


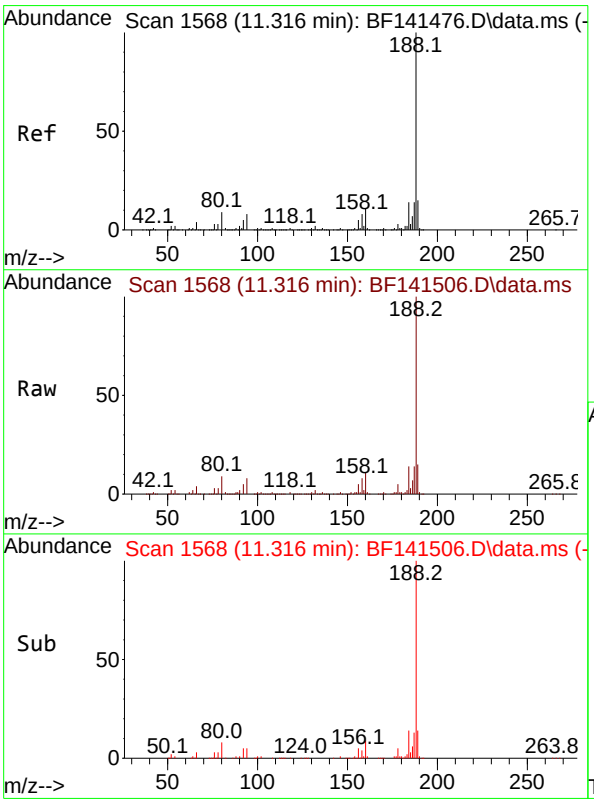

#63
Azobenzene
Concen: 39.181 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 516030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.4 | 4.7 | 44.7 |
| 105 | 21.1 | 0.4 | 40.4 |
| 51 | 35.8 | 16.5 | 56.5 |

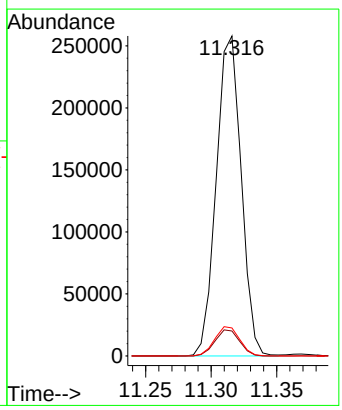


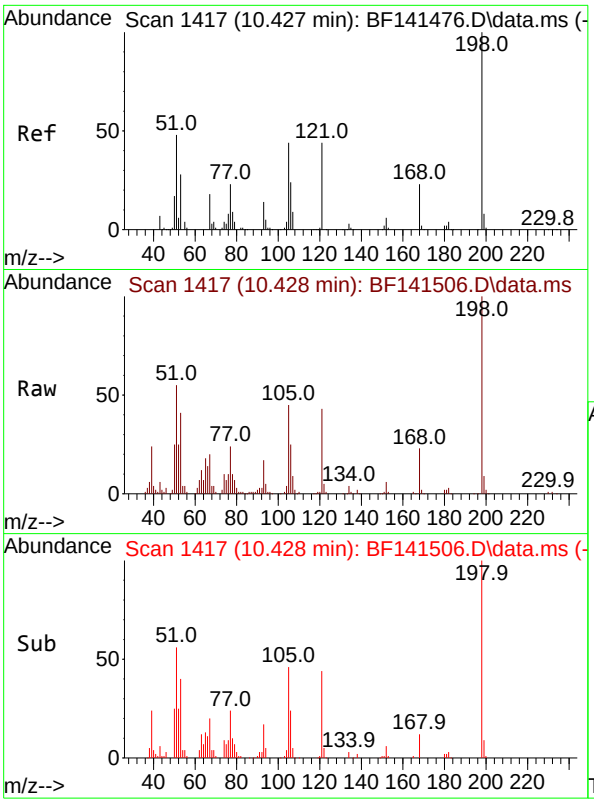




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:188 Resp: 340922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.8 | 6.6 | 10.0 |
| 80 | 8.7 | 7.3 | 10.9 |



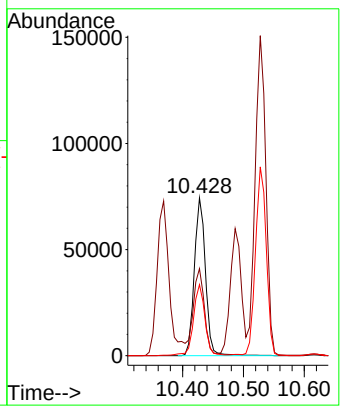


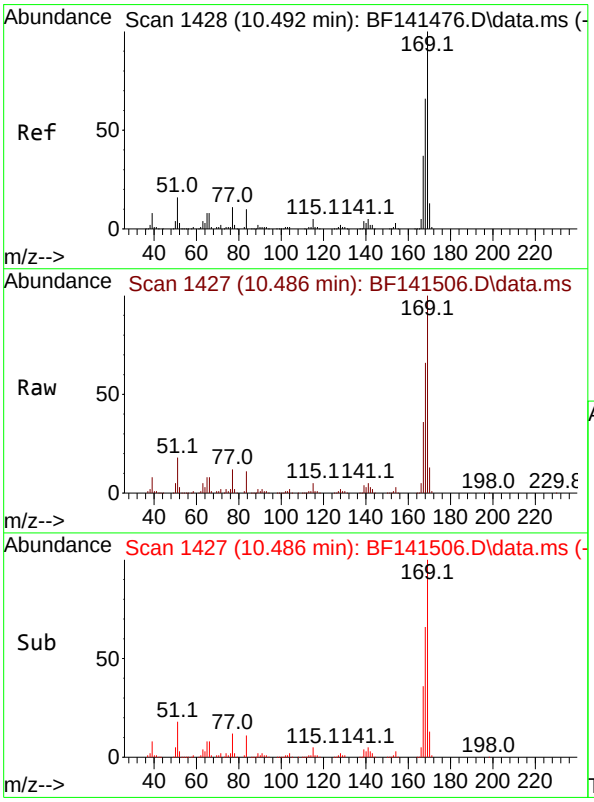

#65
4,6-Dinitro-2-methylphenol
Concen: 39.992 ng
RT: 10.428 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:198 Resp: 94709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 55.2 | 37.4 | 77.4 |
| 105 | 45.0 | 25.2 | 65.2 |

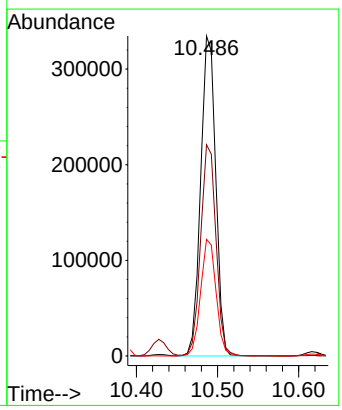


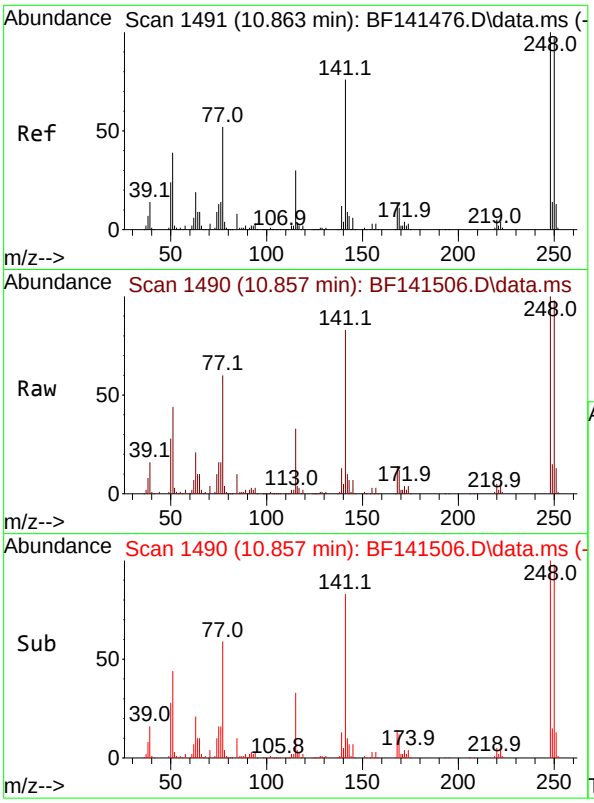




#66
n-Nitrosodiphenylamine
Concen: 39.446 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:169 Resp: 430480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.0 | 53.3 | 79.9 |
| 167 | 36.5 | 29.4 | 44.2 |



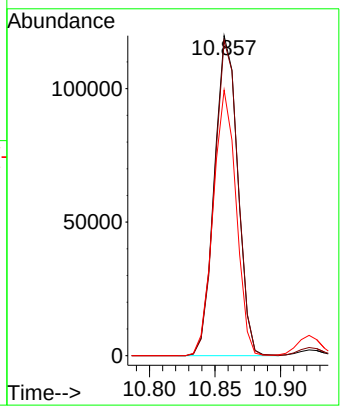


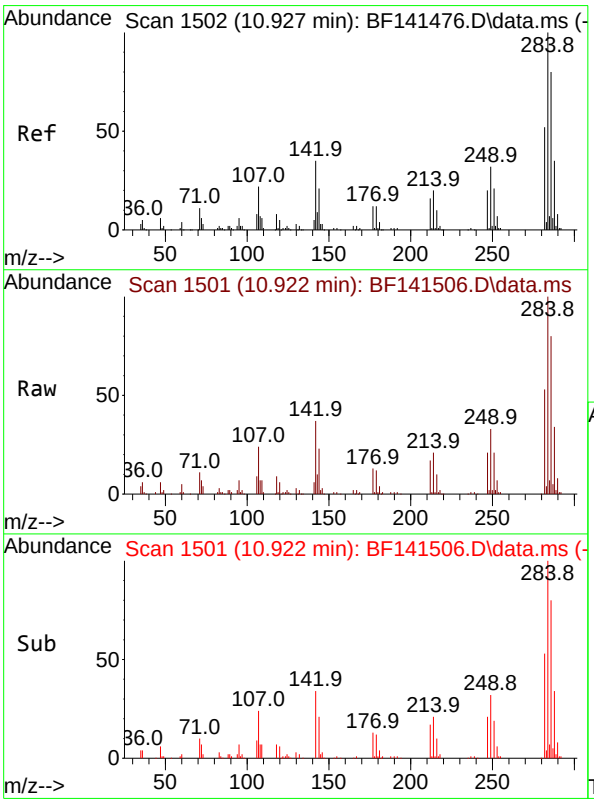

#67
4-Bromophenyl-phenylether
Concen: 38.862 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:248 Resp: 148075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.5 | 77.8 | 116.6 |
| 141 | 83.0 | 60.6 | 90.8 |

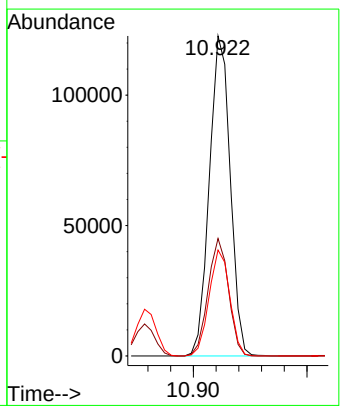


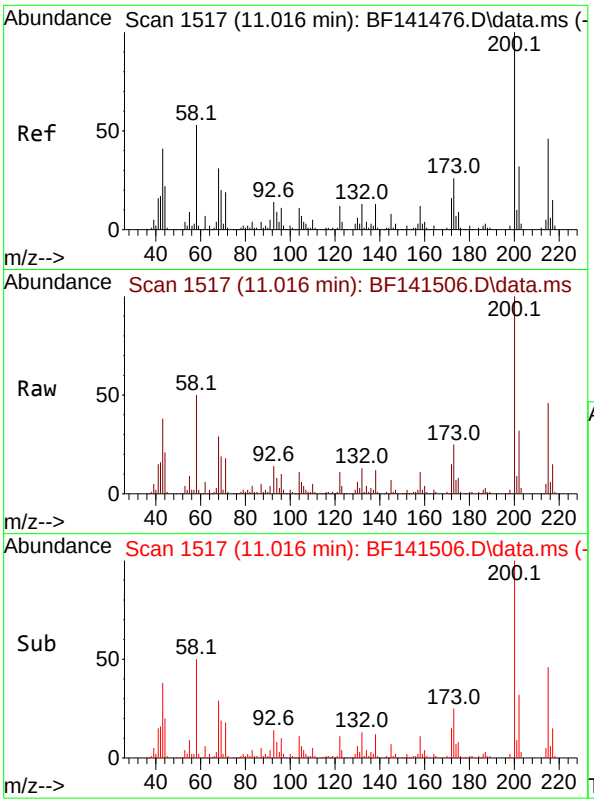




#68
Hexachlorobenzene
Concen: 39.865 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:284 Resp: 156412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 36.7 | 28.0 | 42.0 |
| 249 | 33.1 | 25.8 | 38.8 |



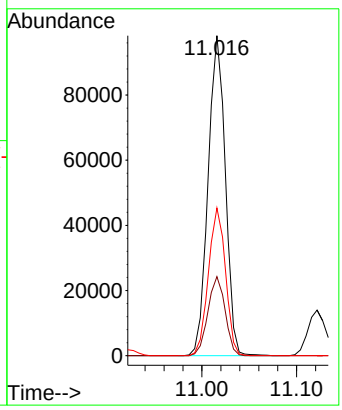


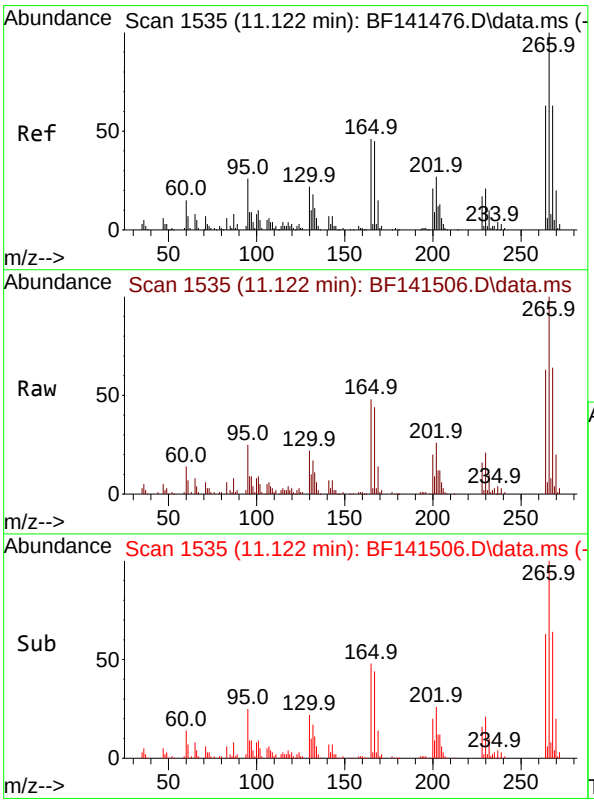

#69
Atrazine
Concen: 37.952 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:200 Resp: 124255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 24.7 | 5.9 | 45.9 |
| 215 | 46.2 | 25.9 | 65.9 |

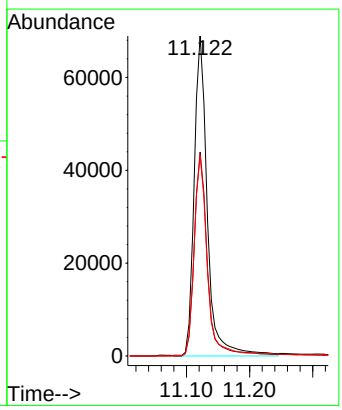


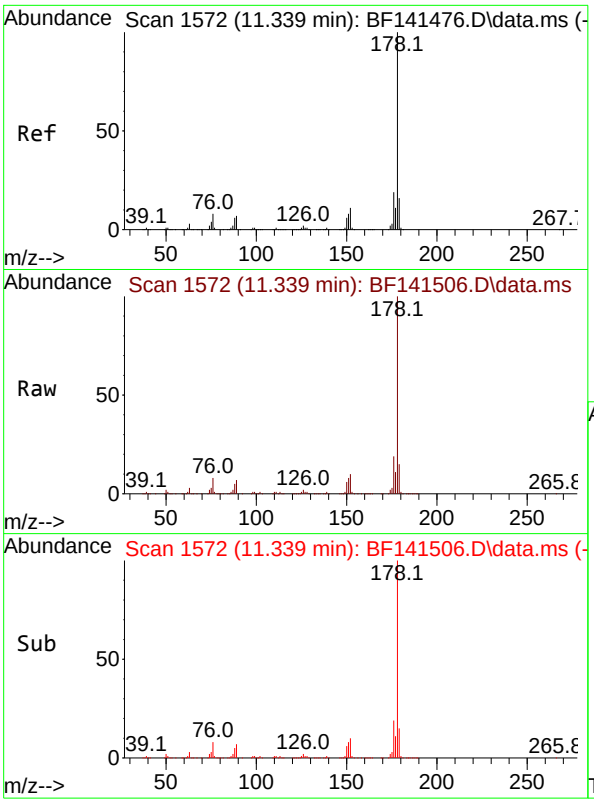




#70
Pentachlorophenol
Concen: 39.932 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:266 Resp: 100181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.7 | 50.1 | 75.1 |
| 264 | 62.7 | 50.1 | 75.1 |



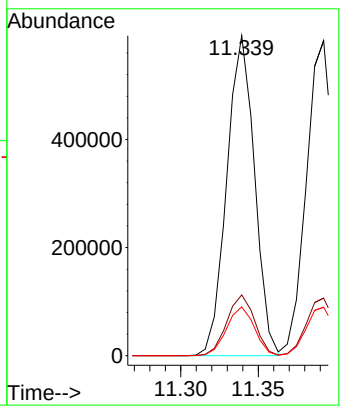


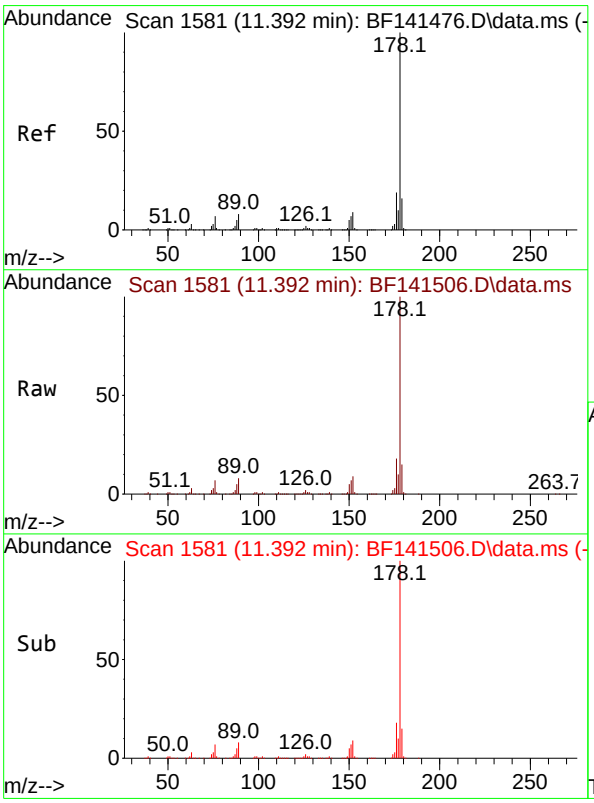

#71
Phenanthrene
Concen: 39.319 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:178 Resp: 737878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.4 | 23.0 |
| 179 | 15.3 | 12.4 | 18.6 |

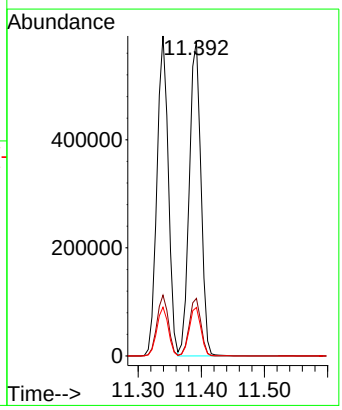


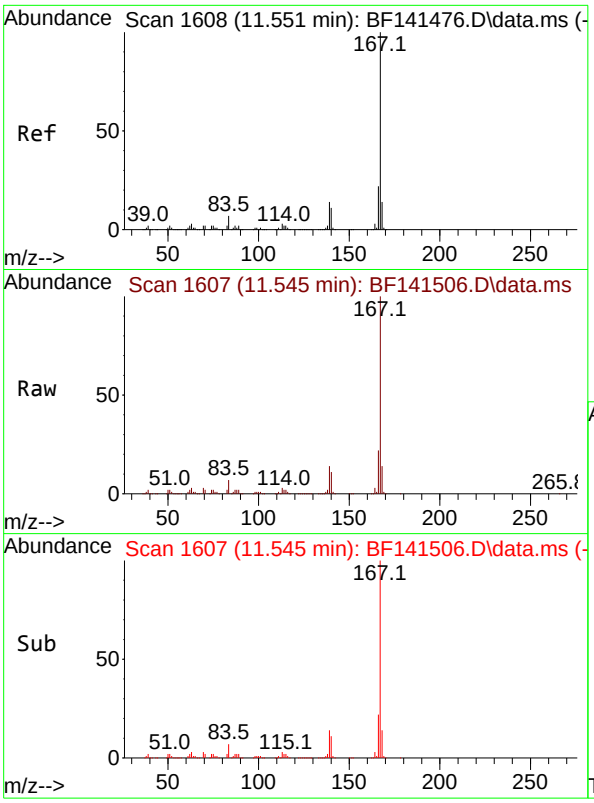




#72
Anthracene
Concen: 39.564 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:178 Resp: 746361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.3 | 14.8 | 22.2 |
| 179 | 15.4 | 12.4 | 18.6 |



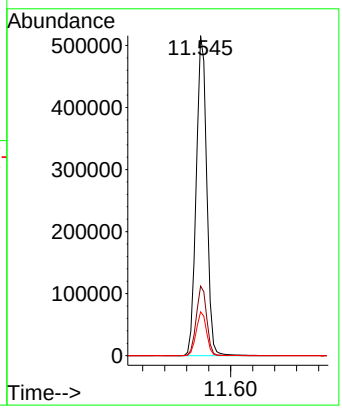


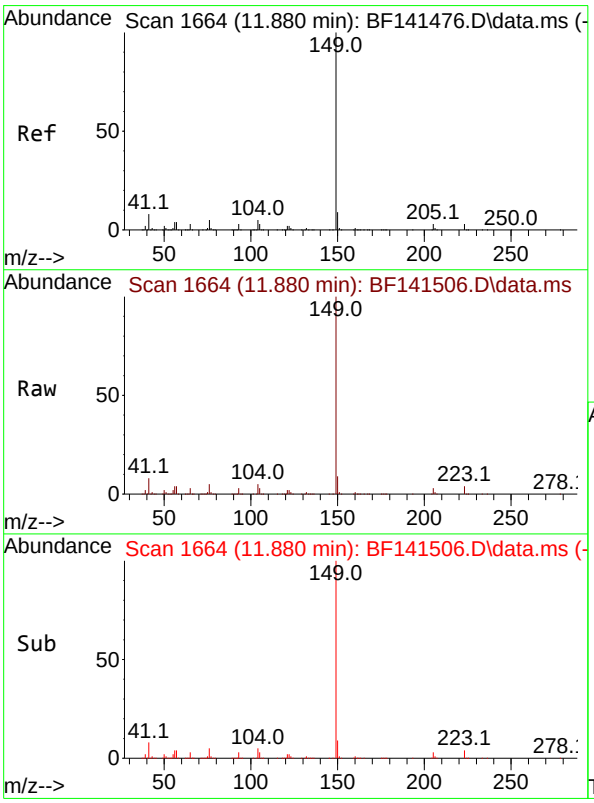

#73
Carbazole
Concen: 40.316 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:167 Resp: 684333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.4 | 26.2 |
| 139 | 13.7 | 10.9 | 16.3 |

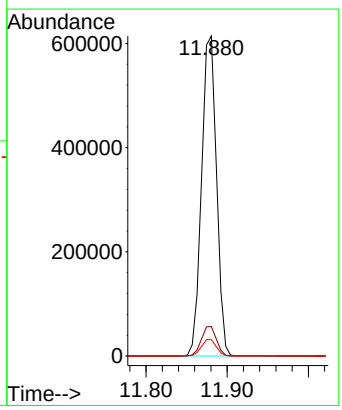


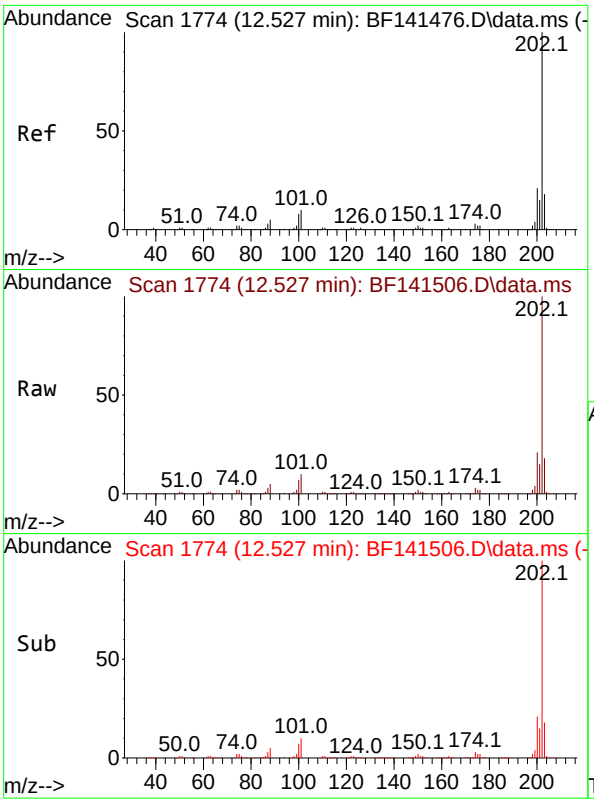




#74
Di-n-butylphthalate
Concen: 40.060 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:149 Resp: 785155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.4 | 11.0 |
| 104 | 5.1 | 4.2 | 6.2 |



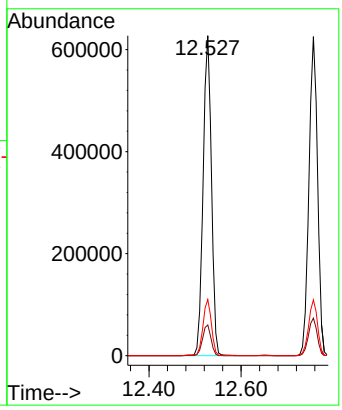


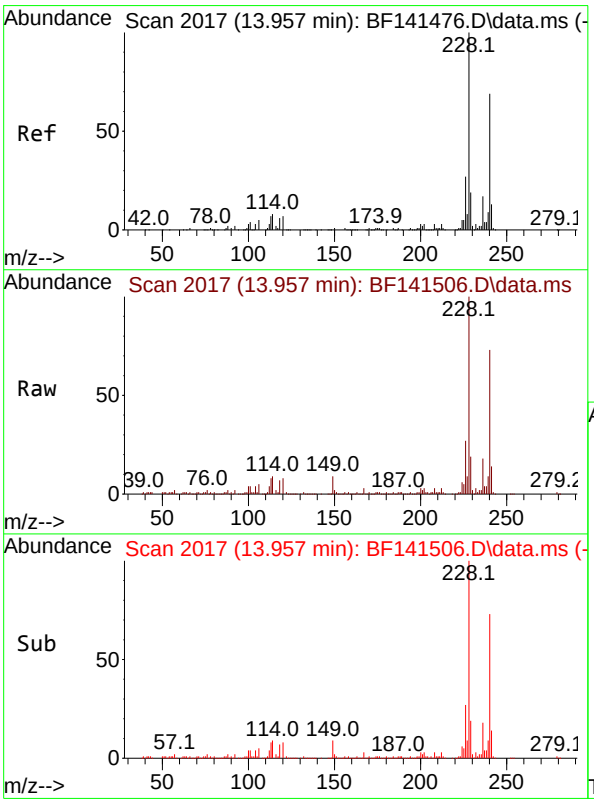

#75
Fluoranthene
Concen: 40.018 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:202 Resp: 796201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.6 | 0.0 | 30.2 |
| 203 | 17.6 | 0.0 | 37.6 |

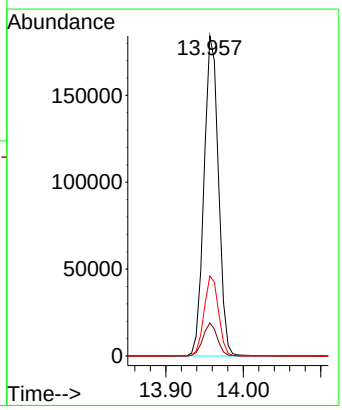


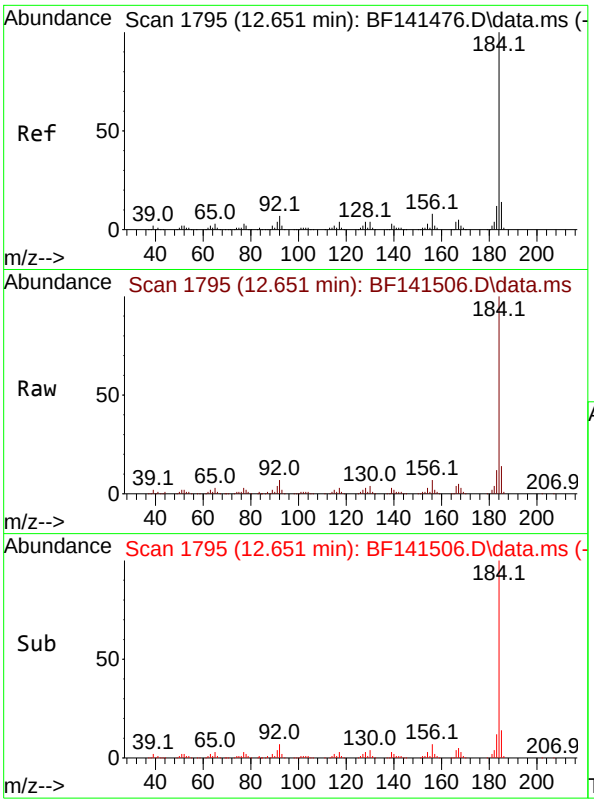




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:240 Resp: 238177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.3 | 8.0 | 12.0 |
| 236 | 25.0 | 19.8 | 29.8 |



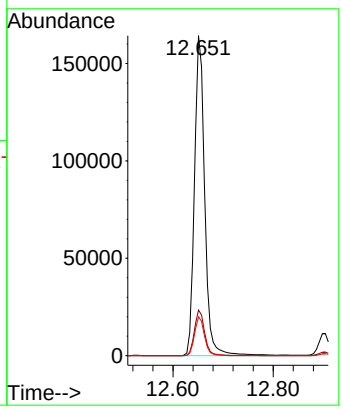


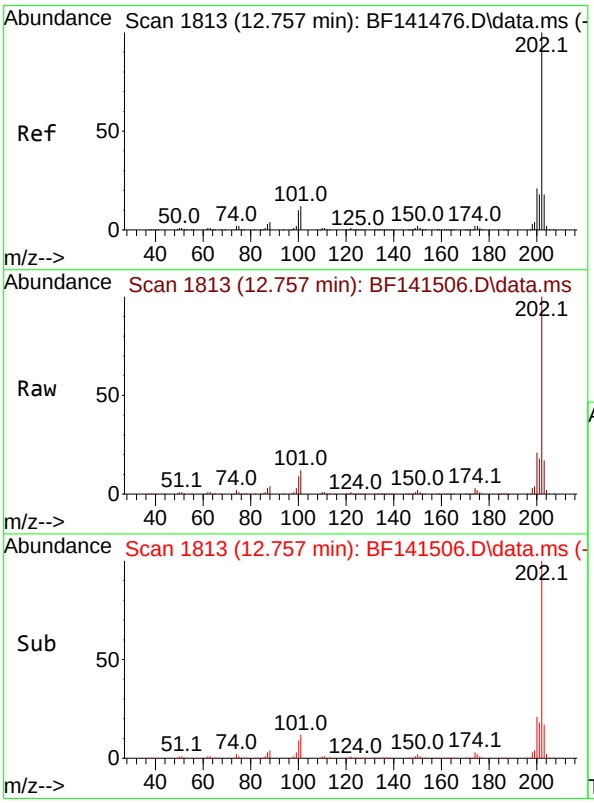

#77
Benzidine
Concen: 44.226 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:184 Resp: 232310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.3 | 11.3 | 16.9 |
| 183 | 12.1 | 9.3 | 13.9 |

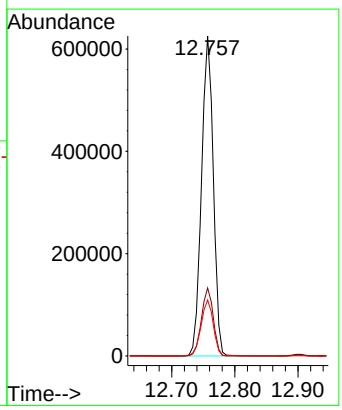


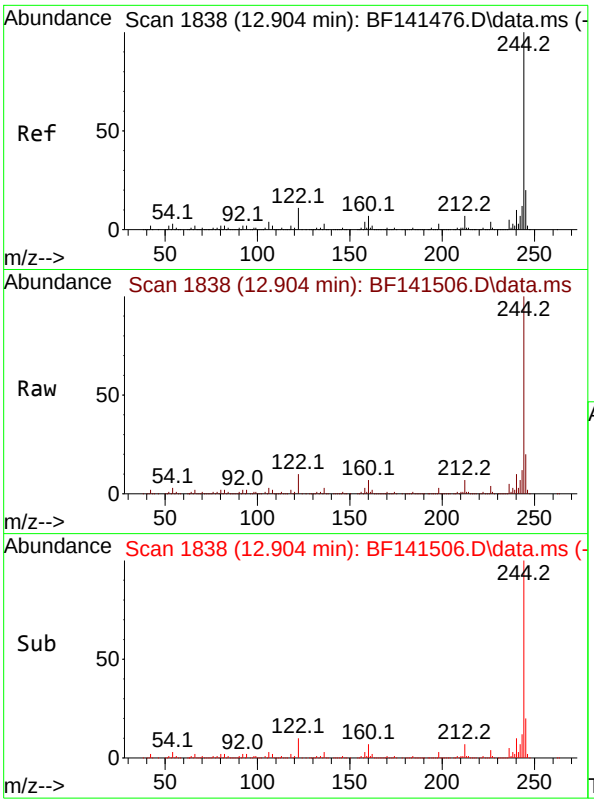




#78
Pyrene
Concen: 39.977 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:202 Resp: 810550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 17.0 | 25.4 |
| 203 | 17.5 | 14.3 | 21.5 |



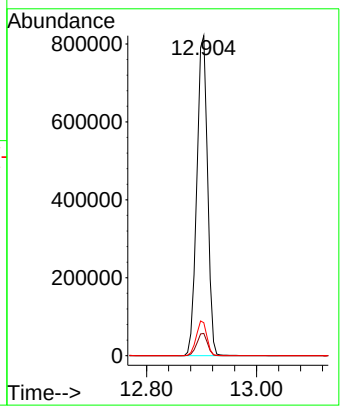


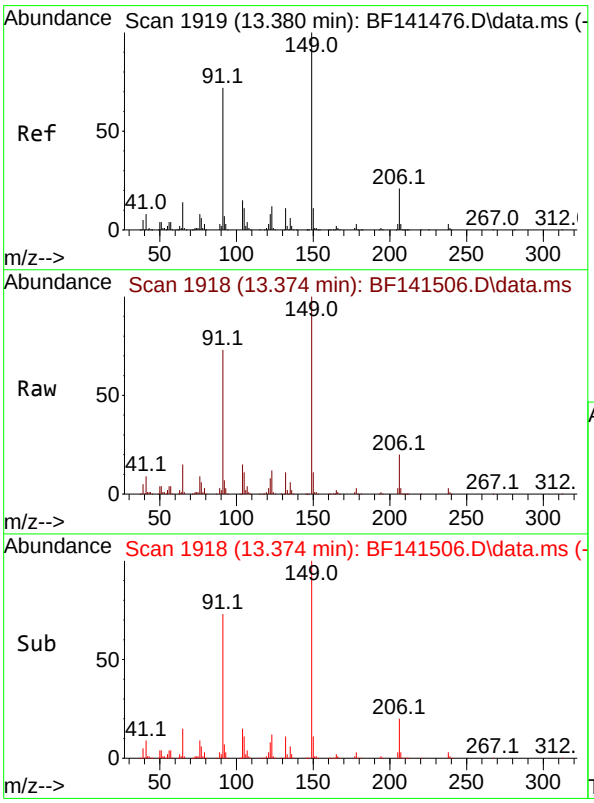

#79
Terphenyl-d14
Concen: 79.087 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:244 Resp: 1115806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.6 | 8.4 |
| 122 | 10.3 | 8.4 | 12.6 |

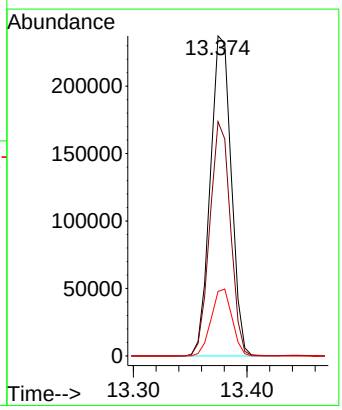


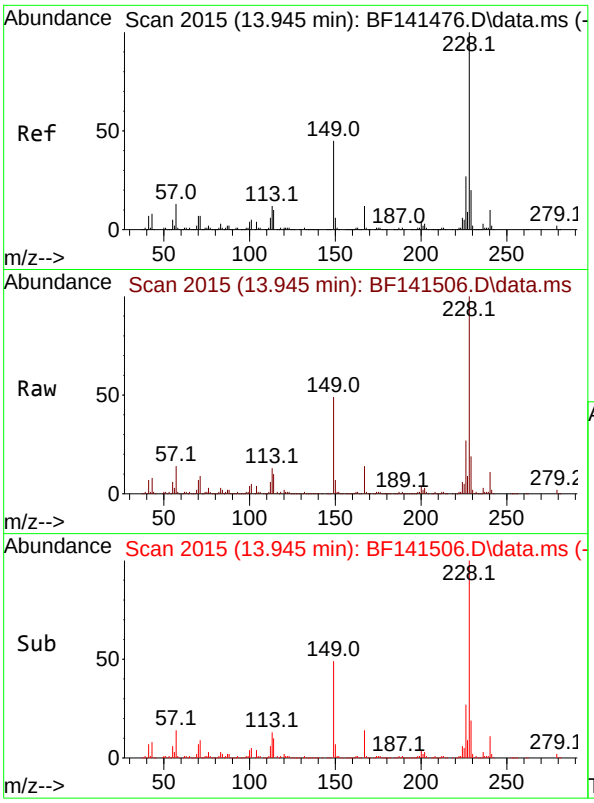




#80
Butylbenzylphthalate
Concen: 43.443 ng
RT: 13.374 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:149 Resp: 305087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 73.2 | 57.8 | 86.8 |
| 206 | 20.2 | 16.7 | 25.1 |



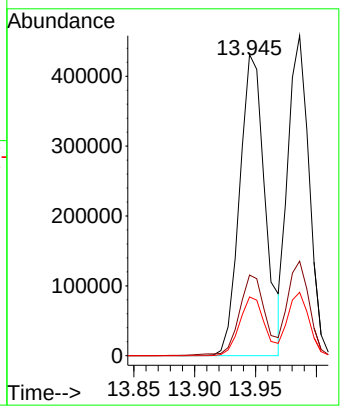


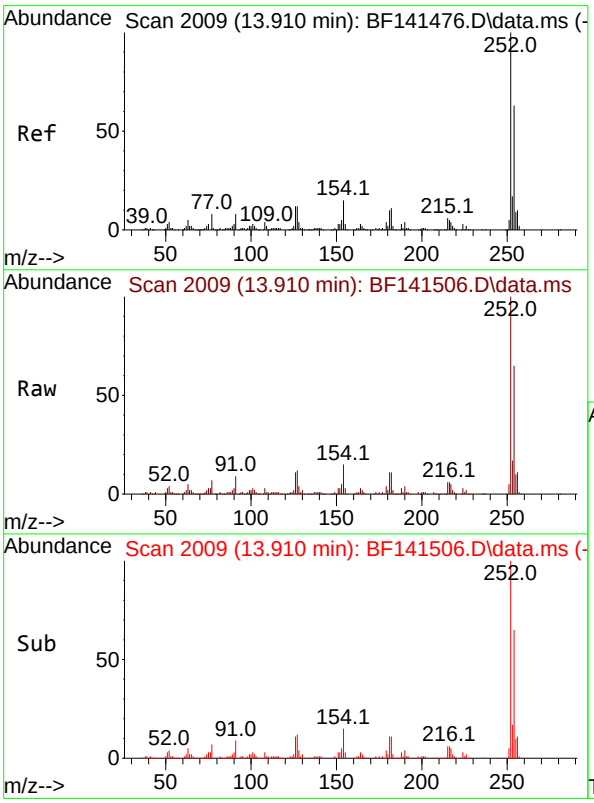

#81
Benzo(a)anthracene
Concen: 39.598 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 626940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.8 | 21.8 | 32.8 |
| 229 | 19.5 | 15.8 | 23.6 |

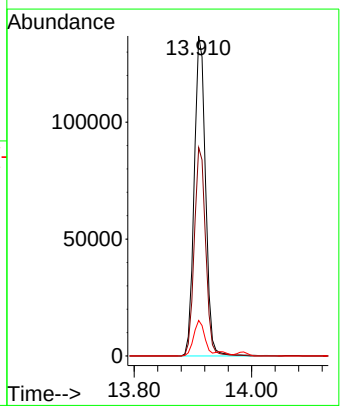


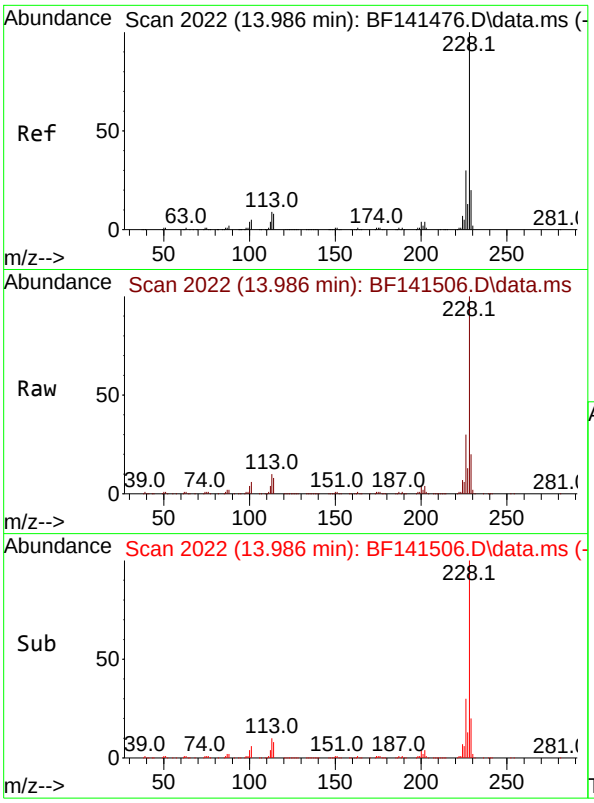




#82
3,3'-Dichlorobenzidine
Concen: 40.414 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:252 Resp: 183288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.1 | 50.6 | 76.0 |
| 126 | 11.1 | 9.3 | 13.9 |



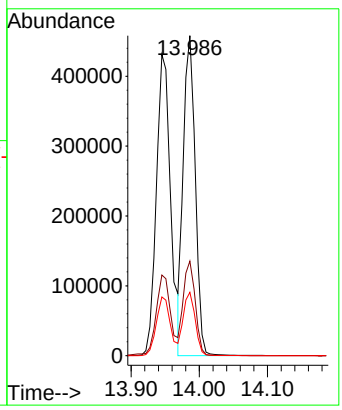


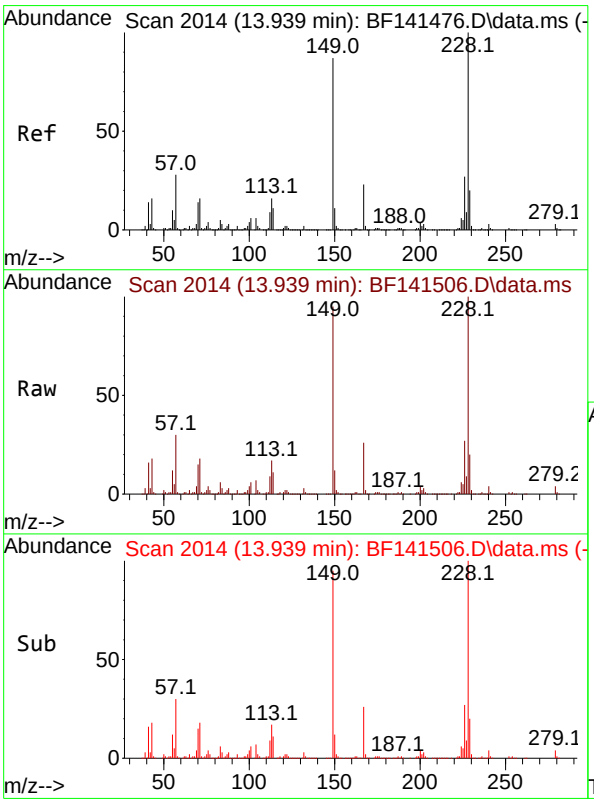

#83
Chrysene
Concen: 38.041 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 556110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.5 | 24.0 | 36.0 |
| 229 | 19.8 | 15.7 | 23.5 |

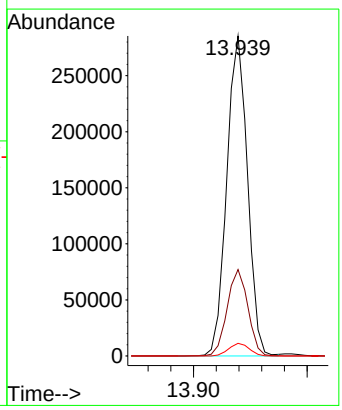


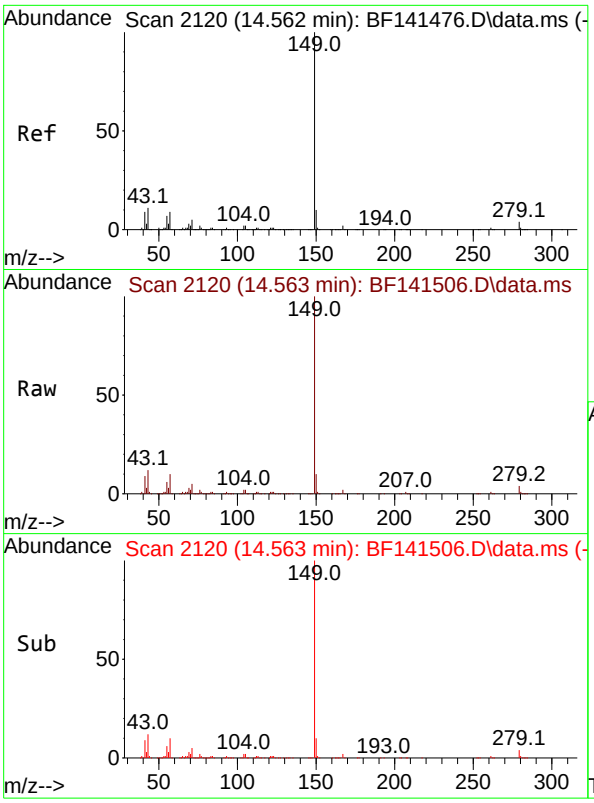




#84
Bis(2-ethylhexyl)phthalate
Concen: 45.626 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:149 Resp: 361384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.0 | 21.4 | 32.0 |
| 279 | 3.9 | 3.1 | 4.7 |



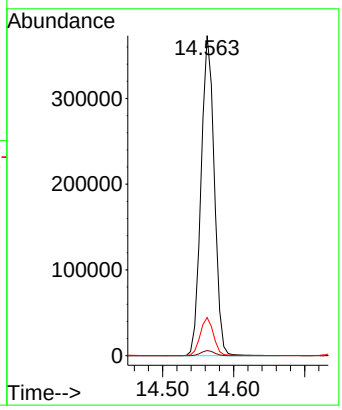


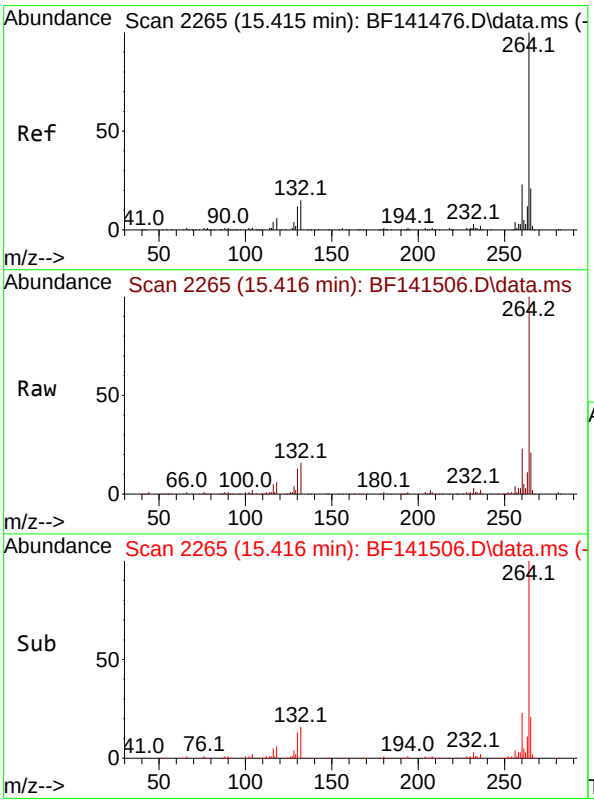

#85
Di-n-octyl phthalate
Concen: 42.871 ng
RT: 14.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:149 Resp: 484418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 12.3 | 9.5 | 14.3 |

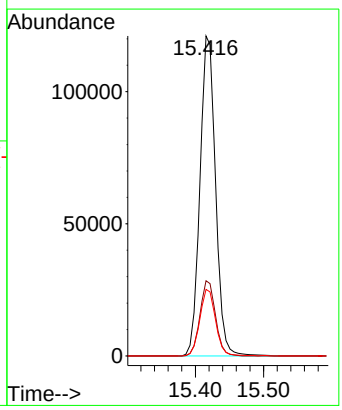


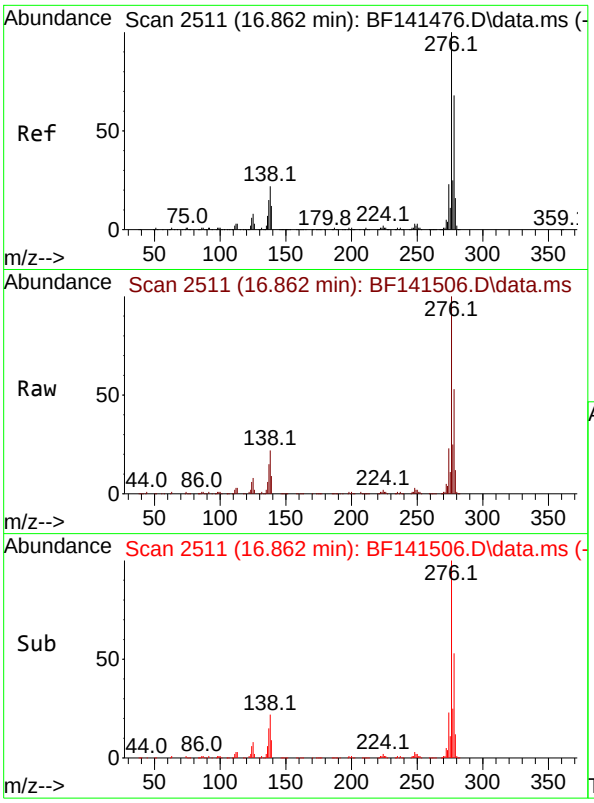




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:264 Resp: 192868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.6 | 28.0 |
| 265 | 20.8 | 17.0 | 25.4 |



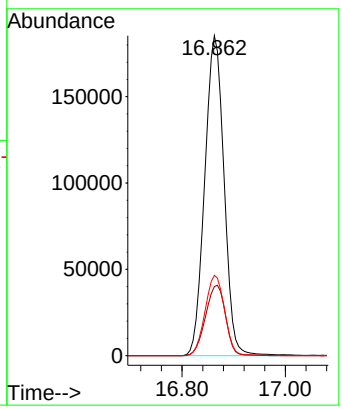


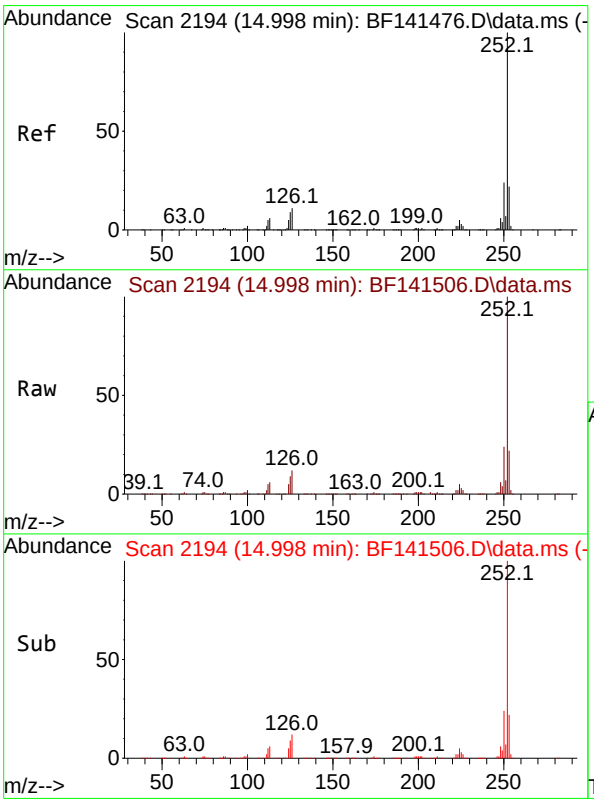

#87
Indeno(1,2,3-cd)pyrene
Concen: 40.313 ng
RT: 16.862 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:276 Resp: 480414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.9 | 18.0 | 27.0 |
| 277 | 25.5 | 20.4 | 30.6 |

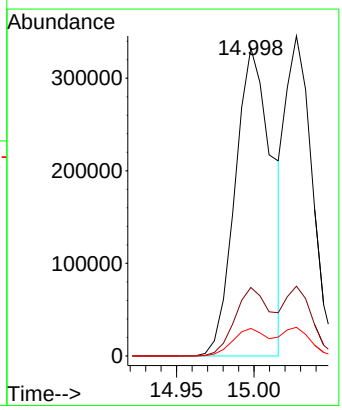


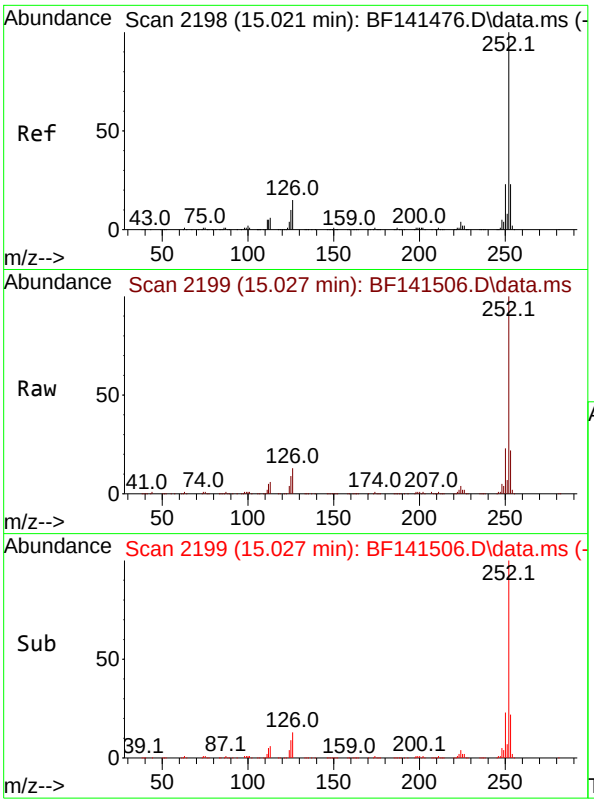




#88
Benzo(b)fluoranthene
Concen: 42.468 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:252 Resp: 549964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.5 | 26.3 |
| 125 | 9.0 | 7.0 | 10.6 |



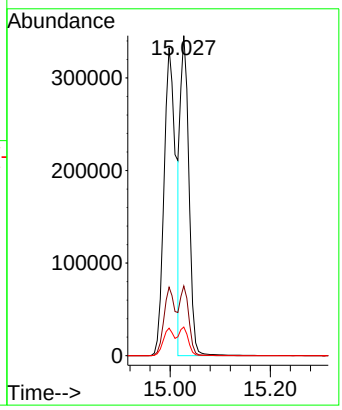


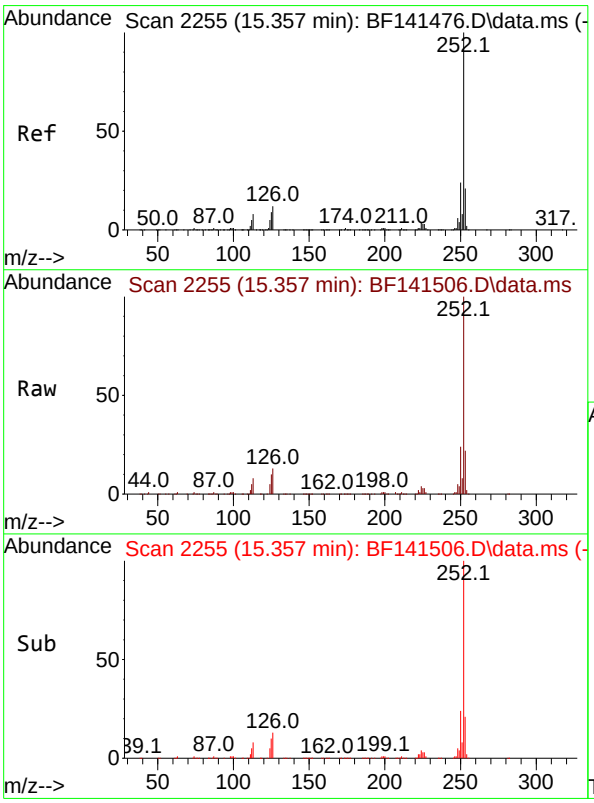

#89
Benzo(k)fluoranthene
Concen: 37.333 ng
RT: 15.027 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:252 Resp: 412835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 18.0 | 27.0 |
| 125 | 9.0 | 7.4 | 11.0 |

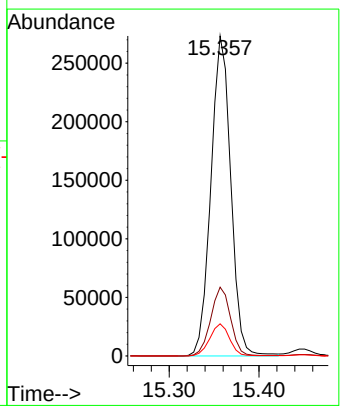


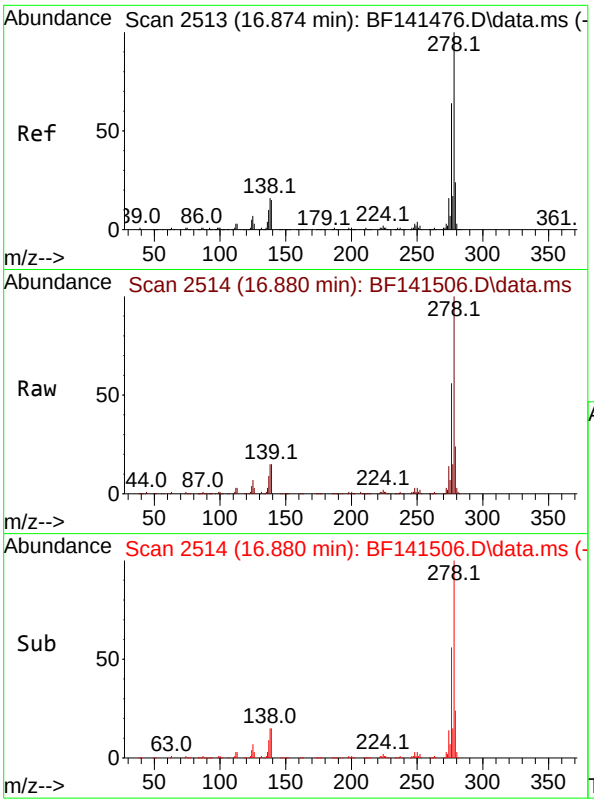




#90
Benzo(a)pyrene
Concen: 40.121 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:252 Resp: 420423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.1 | 25.7 |
| 125 | 10.1 | 7.4 | 11.2 |



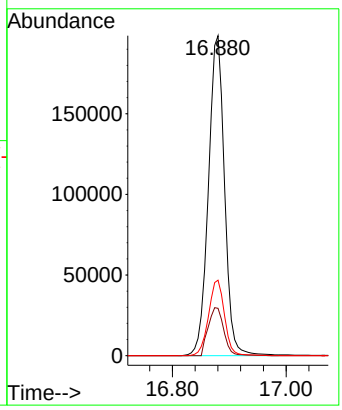


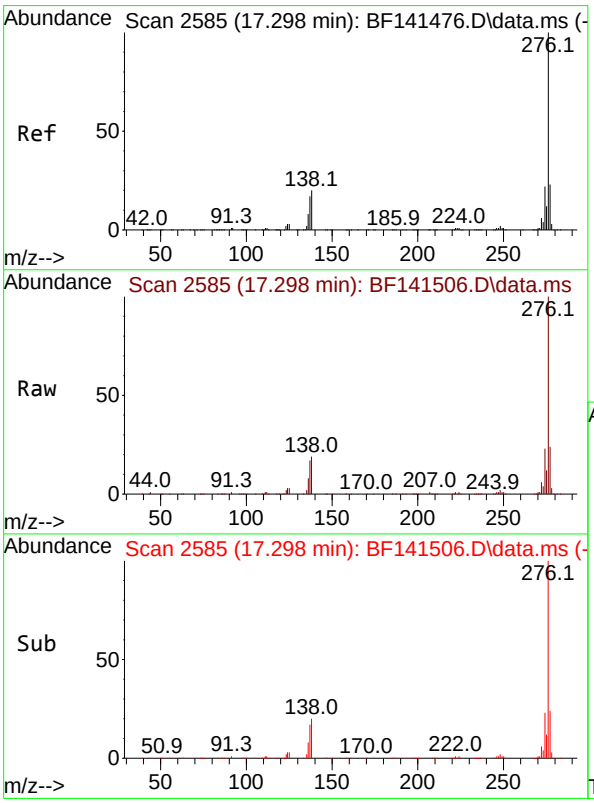

#91
Dibenzo(a,h)anthracene
Concen: 40.397 ng
RT: 16.880 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:278 Resp: 390089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.8 | 11.8 | 17.6 |
| 279 | 23.6 | 19.1 | 28.7 |

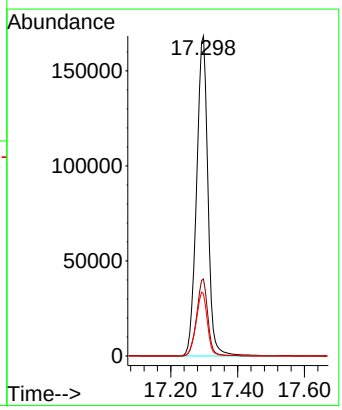



#92
Benzo(g,h,i)perylene
Concen: 39.245 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.017 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:276 Resp: 396572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.1 | 18.6 | 28.0 |
| 138 | 19.5 | 15.9 | 23.9 |



Sample Results: **BF141506.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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 | 103 | 0.00 |
| 2 | | 1,4-Dioxane | 0.513 | 0.512 | 0.2 | 102 | 0.00 |
| 3 | | Pyridine | 1.222 | 1.278 | -4.6 | 104 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.809 | 0.799 | 1.2 | 101 | -0.03 |
| 5 | S | 2-Fluorophenol | 1.276 | 1.294 | -1.4 | 104 | 0.00 |
| 6 | | Aniline | 1.513 | 1.505 | 0.5 | 101 | -0.01 |
| 7 | S | Phenol-d6 | 1.612 | 1.599 | 0.8 | 102 | -0.01 |
| 8 | | 2-Chlorophenol | 1.378 | 1.383 | -0.4 | 103 | -0.01 |
| 9 | | Benzaldehyde | 0.857 | 0.844 | 1.5 | 106 | 0.00 |
| 10 | C | Phenol | 1.678 | 1.676 | 0.1 | 103 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.261 | 1.237 | 1.9 | 101 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.455 | 1.445 | 0.7 | 103 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.487 | 1.444 | 2.9 | 101 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.380 | 1.372 | 0.6 | 103 | 0.00 |
| 15 | | Benzyl Alcohol | 1.236 | 1.208 | 2.3 | 99 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.158 | 2.121 | 1.7 | 101 | 0.00 |
| 17 | | 2-Methylphenol | 1.079 | 1.064 | 1.4 | 102 | 0.00 |
| 18 | | Hexachloroethane | 0.550 | 0.545 | 0.9 | 102 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.964 | 0.978 | -1.5 | 104 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.371 | 1.329 | 3.1 | 100 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 22 | | Acetophenone | 0.498 | 0.489 | 1.8 | 102 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.383 | 0.384 | -0.3 | 102 | 0.00 |
| 24 | | Nitrobenzene | 0.374 | 0.372 | 0.5 | 102 | 0.00 |
| 25 | | Isophorone | 0.611 | 0.607 | 0.7 | 102 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.186 | 0.191 | -2.7 | 102 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.217 | 0.219 | -0.9 | 101 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.392 | 0.396 | -1.0 | 103 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.294 | 0.296 | -0.7 | 102 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.320 | 0.319 | 0.3 | 103 | 0.00 |
| 31 | | Naphthalene | 1.041 | 1.040 | 0.1 | 103 | 0.00 |
| 32 | | Benzoic acid | 0.226 | 0.226 | 0.0 | 101 | -0.04 |
| 33 | | 4-Chloroaniline | 0.363 | 0.327 | 9.9 | 92 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.192 | 0.191 | 0.5 | 102 | 0.00 |
| 35 | | Caprolactam | 0.089 | 0.093 | -4.5 | 103 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 0.325 | 0.326 | -0.3 | 102 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.677 | 0.668 | 1.3 | 102 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.656 | 0.647 | 1.4 | 101 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.579 | 0.571 | 1.4 | 100 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.192 | 0.193 | -0.5 | 97 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.201 | 0.200 | 0.5 | 102 | -0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 0.374 | 0.368 | 1.6 | 100 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.405 | 0.399 | 1.5 | 100 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.298 | 1.268 | 2.3 | 103 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.551 | 1.528 | 1.5 | 101 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.147 | 1.132 | 1.3 | 102 | 0.00 |

Sample Results: **BF141506.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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 | 0.385 | 0.385 | 0.0 | 101 | 0.00 |
| 49 | | Acenaphthylene | 1.705 | 1.697 | 0.5 | 103 | 0.00 |
| 50 | | Dimethylphthalate | 1.358 | 1.338 | 1.5 | 102 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.297 | 0.295 | 0.7 | 100 | 0.00 |
| 52 | C | Acenaphthene | 1.147 | 1.116 | 2.7 | 99 | 0.00 |
| 53 | | 3-Nitroaniline | 0.319 | 0.315 | 1.3 | 101 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.176 | 0.169 | 4.0 | 98 | -0.01 |
| 55 | | Dibenzofuran | 1.683 | 1.655 | 1.7 | 101 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.237 | 0.240 | -1.3 | 99 | -0.01 |
| 57 | | 2,4-Dinitrotoluene | 0.395 | 0.400 | -1.3 | 103 | -0.01 |
| 58 | | Fluorene | 1.301 | 1.278 | 1.8 | 102 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.349 | 0.346 | 0.9 | 102 | -0.01 |
| 60 | | Diethylphthalate | 1.336 | 1.313 | 1.7 | 101 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.626 | 0.616 | 1.6 | 102 | 0.00 |
| 62 | | 4-Nitroaniline | 0.324 | 0.326 | -0.6 | 100 | -0.02 |
| 63 | | Azobenzene | 1.328 | 1.301 | 2.0 | 101 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.139 | 0.139 | 0.0 | 99 | -0.01 |
| 66 | c | n-Nitrosodiphenylamine | 0.640 | 0.631 | 1.4 | 102 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 0.224 | 0.217 | 3.1 | 100 | 0.00 |
| 68 | | Hexachlorobenzene | 0.230 | 0.229 | 0.4 | 102 | 0.00 |
| 69 | | Atrazine | 0.192 | 0.182 | 5.2 | 100 | 0.00 |
| 70 | C | Pentachlorophenol | 0.147 | 0.147 | 0.0 | 97 | 0.00 |
| 71 | | Phenanthrene | 1.101 | 1.082 | 1.7 | 101 | 0.00 |
| 72 | | Anthracene | 1.107 | 1.095 | 1.1 | 102 | 0.00 |
| 73 | | Carbazole | 0.996 | 1.004 | -0.8 | 103 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.150 | 1.152 | -0.2 | 102 | 0.00 |
| 75 | C | Fluoranthene | 1.167 | 1.168 | -0.1 | 103 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 77 | | Benzidine | 0.441 | 0.488 | -10.7 | 98 | 0.00 |
| 78 | | Pyrene | 1.703 | 1.702 | 0.1 | 103 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.185 | 1.171 | 1.2 | 103 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.590 | 0.640 | -8.5 | 111 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.329 | 1.316 | 1.0 | 103 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.381 | 0.385 | -1.0 | 108 | 0.00 |
| 83 | | Chrysene | 1.228 | 1.167 | 5.0 | 103 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.665 | 0.759 | -14.1 | 116 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 0.949 | 1.017 | -7.2 | 111 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 105 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.236 | 1.245 | -0.7 | 102 | -0.01 |
| 88 | | Benzo(b)fluoranthene | 1.343 | 1.426 | -6.2 | 113 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.147 | 1.070 | 6.7 | 99 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.087 | 1.090 | -0.3 | 106 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.001 | 1.011 | -1.0 | 101 | -0.01 |
| 92 | | Benzo(g,h,i)perylene | 1.048 | 1.028 | 1.9 | 99 | -0.02 |

Sample Results: **BF141506.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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: **BF141506.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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 | 103 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 39.852 | 0.4 | 102 | 0.00 |
| 3 | | Pyridine | 40.000 | 41.842 | -4.6 | 104 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.505 | 1.2 | 101 | -0.03 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.160 | -1.4 | 104 | 0.00 |
| 6 | | Aniline | 40.000 | 39.807 | 0.5 | 101 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 79.333 | 0.8 | 102 | -0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 40.121 | -0.3 | 103 | -0.01 |
| 9 | | Benzaldehyde | 40.000 | 39.396 | 1.5 | 106 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.942 | 0.1 | 103 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.239 | 1.9 | 101 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.713 | 0.7 | 103 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.847 | 2.9 | 101 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.770 | 0.6 | 103 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.069 | 2.3 | 99 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.320 | 1.7 | 101 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.445 | 1.4 | 102 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.613 | 1.0 | 102 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.556 | -1.4 | 104 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.777 | 3.1 | 100 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 102 | 0.00 |
| 22 | | Acetophenone | 40.000 | 39.294 | 1.8 | 102 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 80.140 | -0.2 | 102 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.825 | 0.4 | 102 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.733 | 0.7 | 102 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.014 | -2.5 | 102 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.362 | -0.9 | 101 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.398 | -1.0 | 103 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.337 | -0.8 | 102 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.869 | 0.3 | 103 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.968 | 0.1 | 103 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 40.092 | -0.2 | 101 | -0.04 |
| 33 | | 4-Chloroaniline | 40.000 | 35.960 | 10.1 | 92 | -0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.845 | 0.4 | 102 | 0.00 |
| 35 | | Caprolactam | 40.000 | 41.746 | -4.4 | 103 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.105 | -0.3 | 102 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.430 | 1.4 | 102 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.416 | 1.5 | 101 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 103 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.480 | 1.3 | 100 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 40.055 | -0.1 | 97 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 79.512 | 0.6 | 102 | -0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.310 | 1.7 | 100 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 39.352 | 1.6 | 100 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 78.150 | 2.3 | 103 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.417 | 1.5 | 101 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.485 | 1.3 | 102 | 0.00 |

Sample Results: **BF141506.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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 | 40.054 | -0.1 | 101 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.800 | 0.5 | 103 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.426 | 1.4 | 102 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 39.701 | 0.7 | 100 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 38.936 | 2.7 | 99 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 39.406 | 1.5 | 101 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 38.328 | 4.2 | 98 | -0.01 |
| 55 | | Dibenzofuran | 40.000 | 39.347 | 1.6 | 101 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 40.524 | -1.3 | 99 | -0.01 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 40.483 | -1.2 | 103 | -0.01 |
| 58 | | Fluorene | 40.000 | 39.298 | 1.8 | 102 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.668 | 0.8 | 102 | -0.01 |
| 60 | | Diethylphthalate | 40.000 | 39.320 | 1.7 | 101 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.371 | 1.6 | 102 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 40.203 | -0.5 | 100 | -0.02 |
| 63 | | Azobenzene | 40.000 | 39.181 | 2.0 | 101 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 101 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.992 | 0.0 | 99 | -0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.446 | 1.4 | 102 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 38.862 | 2.8 | 100 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 39.865 | 0.3 | 102 | 0.00 |
| 69 | | Atrazine | 40.000 | 37.952 | 5.1 | 100 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 39.932 | 0.2 | 97 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 39.319 | 1.7 | 101 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.564 | 1.1 | 102 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.316 | -0.8 | 103 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.060 | -0.2 | 102 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 40.018 | -0.0 | 103 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 106 | 0.00 |
| 77 | | Benzidine | 40.000 | 44.226 | -10.6 | 98 | 0.00 |
| 78 | | Pyrene | 40.000 | 39.977 | 0.1 | 103 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 79.087 | 1.1 | 103 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 43.443 | -8.6 | 111 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.598 | 1.0 | 103 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.414 | -1.0 | 108 | 0.00 |
| 83 | | Chrysene | 40.000 | 38.041 | 4.9 | 103 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 45.626 | -14.1 | 116 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 42.871 | -7.2 | 111 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 105 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.313 | -0.8 | 102 | -0.01 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 42.468 | -6.2 | 113 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 37.333 | 6.7 | 99 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 40.121 | -0.3 | 106 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 40.397 | -1.0 | 101 | -0.01 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 39.245 | 1.9 | 99 | -0.02 |

Sample Results: **BF141506.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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: **BF141531.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date/Time: 02/10/2025 11:34

Lab File ID: BF141531.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.276 | 1.279 | | 0.2 | |
| Benzaldehyde | 0.857 | 0.700 | | -18.3 | |
| Phenol-d6 | 1.612 | 1.566 | | -2.9 | |
| Phenol | 1.678 | 1.634 | | -2.6 | 20.0 |
| bis(2-Chloroethyl)ether | 1.261 | 1.230 | | -2.5 | |
| 2-Chlorophenol | 1.378 | 1.349 | | -2.1 | |
| 2-Methylphenol | 1.079 | 1.053 | | -2.4 | |
| 2,2-oxybis(1-Chloropropane) | 2.158 | 2.142 | | -0.7 | |
| Acetophenone | 0.498 | 0.483 | | -3.0 | |
| 3+4-Methylphenols | 1.371 | 1.322 | | -3.6 | |
| n-Nitroso-di-n-propylamine | 0.964 | 0.933 | 0.050 | -3.2 | |
| Nitrobenzene-d5 | 0.383 | 0.378 | | -1.3 | |
| Hexachloroethane | 0.550 | 0.559 | | 1.6 | |
| Nitrobenzene | 0.374 | 0.366 | | -2.1 | |
| Isophorone | 0.611 | 0.596 | | -2.5 | |
| 2-Nitrophenol | 0.186 | 0.187 | | 0.5 | 20.0 |
| 2,4-Dimethylphenol | 0.217 | 0.215 | | -0.9 | |
| bis(2-Chloroethoxy)methane | 0.392 | 0.387 | | -1.3 | |
| 2,4-Dichlorophenol | 0.294 | 0.288 | | -2.0 | 20.0 |
| Naphthalene | 1.041 | 1.032 | | -0.9 | |
| 4-Chloroaniline | 0.363 | 0.347 | | -4.4 | |
| Hexachlorobutadiene | 0.192 | 0.197 | | 2.6 | 20.0 |
| Caprolactam | 0.089 | 0.087 | | -2.2 | |
| 4-Chloro-3-methylphenol | 0.325 | 0.317 | | -2.5 | 20.0 |
| 2-Methylnaphthalene | 0.677 | 0.665 | | -1.8 | |
| Hexachlorocyclopentadiene | 0.192 | 0.179 | 0.050 | -6.8 | |
| 2,4,6-Trichlorophenol | 0.374 | 0.374 | | 0.0 | 20.0 |
| 2-Fluorobiphenyl | 1.298 | 1.277 | | -1.6 | |
| 2,4,5-Trichlorophenol | 0.405 | 0.398 | | -1.7 | |
| 1,1-Biphenyl | 1.551 | 1.532 | | -1.2 | |
| 2-Chloronaphthalene | 1.147 | 1.143 | | -0.3 | |
| 2-Nitroaniline | 0.385 | 0.373 | | -3.1 | |
| Dimethylphthalate | 1.358 | 1.328 | | -2.2 | |
| Acenaphthylene | 1.705 | 1.674 | | -1.8 | |
| 2,6-Dinitrotoluene | 0.297 | 0.284 | | -4.4 | |
| 3-Nitroaniline | 0.319 | 0.306 | | -4.1 | |
| Acenaphthene | 1.147 | 1.121 | | -2.3 | 20.0 |
| 2,4-Dinitrophenol | 0.176 | 0.162 | 0.050 | -8.0 | |
| 4-Nitrophenol | 0.237 | 0.223 | 0.050 | -5.9 | |

Raw Data: **BF141531.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date/Time: 02/10/2025 11:34

Lab File ID: BF141531.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dibenzofuran | 1.683 | 1.647 | | -2.1 | |
| 2,4-Dinitrotoluene | 0.395 | 0.379 | | -4.1 | |
| Diethylphthalate | 1.336 | 1.307 | | -2.2 | |
| 4-Chlorophenyl-phenylether | 0.626 | 0.625 | | -0.2 | |
| Fluorene | 1.301 | 1.275 | | -2.0 | |
| 4-Nitroaniline | 0.324 | 0.303 | | -6.5 | |
| 4,6-Dinitro-2-methylphenol | 0.139 | 0.133 | | -4.3 | |
| n-Nitrosodiphenylamine | 0.640 | 0.652 | | 1.9 | 20.0 |
| 2,4,6-Tribromophenol | 0.201 | 0.194 | | -3.5 | |
| 4-Bromophenyl-phenylether | 0.224 | 0.230 | | 2.7 | |
| Hexachlorobenzene | 0.230 | 0.235 | | 2.2 | |
| Atrazine | 0.192 | 0.182 | | -5.2 | |
| Pentachlorophenol | 0.147 | 0.138 | | -6.1 | 20.0 |
| Phenanthrene | 1.101 | 1.104 | | 0.3 | |
| Anthracene | 1.107 | 1.109 | | 0.2 | |
| Carbazole | 0.996 | 0.971 | | -2.5 | |
| Di-n-butylphthalate | 1.150 | 1.153 | | 0.3 | |
| Fluoranthene | 1.167 | 1.119 | | -4.1 | 20.0 |
| Pyrene | 1.703 | 1.809 | | 6.2 | |
| Terphenyl-d14 | 1.185 | 1.253 | | 5.7 | |
| Butylbenzylphthalate | 0.590 | 0.627 | | 6.3 | |
| 3,3-Dichlorobenzidine | 0.381 | 0.373 | | -2.1 | |
| Benzo(a)anthracene | 1.329 | 1.304 | | -1.9 | |
| Chrysene | 1.228 | 1.236 | | 0.7 | |
| Bis(2-ethylhexyl)phthalate | 0.665 | 0.755 | | 13.5 | |
| Di-n-octyl phthalate | 0.949 | 1.170 | | 23.3 | 20.0 |
| Benzo(b)fluoranthene | 1.343 | 1.384 | | 3.1 | |
| Benzo(k)fluoranthene | 1.147 | 1.012 | | -11.8 | |
| Benzo(a)pyrene | 1.087 | 1.083 | | -0.4 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.236 | 1.422 | | 15.0 | |
| Dibenzo(a,h)anthracene | 1.001 | 1.172 | | 17.1 | |
| Benzo(g,h,i)perylene | 1.048 | 1.227 | | 17.1 | |
| 1,2,4,5-Tetrachlorobenzene | 0.579 | 0.580 | | 0.2 | |
| 1,4-Dioxane | 0.513 | 0.497 | | -3.1 | 20.0 |
| 2,3,4,6-Tetrachlorophenol | 0.349 | 0.335 | | -4.0 | |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.792 | 152 | 91504 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.075 | 136 | 356056 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.827 | 164 | 192109 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.316 | 188 | 313129 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.963 | 240 | 193608 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.439 | 264 | 177316 | 20.000 | ng | 0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.410 | 112 | 467960 | 80.176 | ng | 0.00 |
| 7) Phenol-d6 | 6.434 | 99 | 573104 | 77.687 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.357 | 82 | 538199 | 78.840 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.622 | 330 | 148831 | 77.122 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.151 | 172 | 981012 | 78.674 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.898 | 244 | 970304 | 84.606 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.469 | 88 | 90976 | 38.728 | ng | 98 |
| 3) Pyridine | 3.210 | 79 | 221401 | 39.606 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.157 | 42 | 146628 | 39.614 | ng | 98 |
| 6) Aniline | 6.451 | 93 | 272486 | 39.376 | ng | 90 |
| 8) 2-Chlorophenol | 6.581 | 128 | 246962 | 39.158 | ng | 98 |
| 9) Benzaldehyde | 6.339 | 77 | 128088 | 32.674 | ng | 100 |
| 10) Phenol | 6.445 | 94 | 298987 | 38.940 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 6.528 | 93 | 225126 | 39.036 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 6.734 | 146 | 264114 | 39.668 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.810 | 146 | 265465 | 39.023 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 6.963 | 146 | 252344 | 39.967 | ng | 98 |
| 15) Benzyl Alcohol | 6.934 | 79 | 223304 | 39.473 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.069 | 45 | 392078 | 39.715 | ng | 99 |
| 17) 2-Methylphenol | 7.051 | 107 | 192649 | 39.034 | ng | 99 |
| 18) Hexachloroethane | 7.298 | 117 | 102320 | 40.642 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.204 | 70 | 170797 | 38.706 | ng | 100 |
| 20) 3+4-Methylphenols | 7.204 | 107 | 241913 | 38.569 | ng | 96 |
| 22) Acetophenone | 7.204 | 105 | 343898 | 38.827 | ng | 98 |
| 24) Nitrobenzene | 7.375 | 77 | 260329 | 39.108 | ng | 98 |
| 25) Isophorone | 7.616 | 82 | 424424 | 38.993 | ng | 99 |
| 26) 2-Nitrophenol | 7.692 | 139 | 132810 | 40.102 | ng | 96 |
| 27) 2,4-Dimethylphenol | 7.734 | 122 | 152895 | 39.519 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.822 | 93 | 275268 | 39.467 | ng | 99 |
| 29) 2,4-Dichlorophenol | 7.939 | 162 | 205336 | 39.280 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.016 | 180 | 226022 | 39.705 | ng | 98 |
| 31) Naphthalene | 8.098 | 128 | 734667 | 39.639 | ng | 100 |
| 32) Benzoic acid | 7.857 | 122 | 139602 | 34.738 | ng | 99 |
| 33) 4-Chloroaniline | 8.145 | 127 | 247243 | 38.208 | ng | 99 |
| 34) Hexachlorobutadiene | 8.210 | 225 | 140298 | 41.054 | ng | 99 |
| 35) Caprolactam | 8.516 | 113 | 61657 | 38.739 | ng | 98 |
| 36) 4-Chloro-3-methylphenol | 8.633 | 107 | 225523 | 38.947 | ng | 100 |
| 37) 2-Methylnaphthalene | 8.786 | 142 | 473288 | 39.242 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.886 | 142 | 454754 | 38.931 | ng | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 8.951 | 216 | 222962 | 40.116 | ng | 98 |
| 41) Hexachlorocyclopentadiene | 8.933 | 237 | 68717 | 37.172 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.069 | 196 | 143507 | 39.950 | ng | 98 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

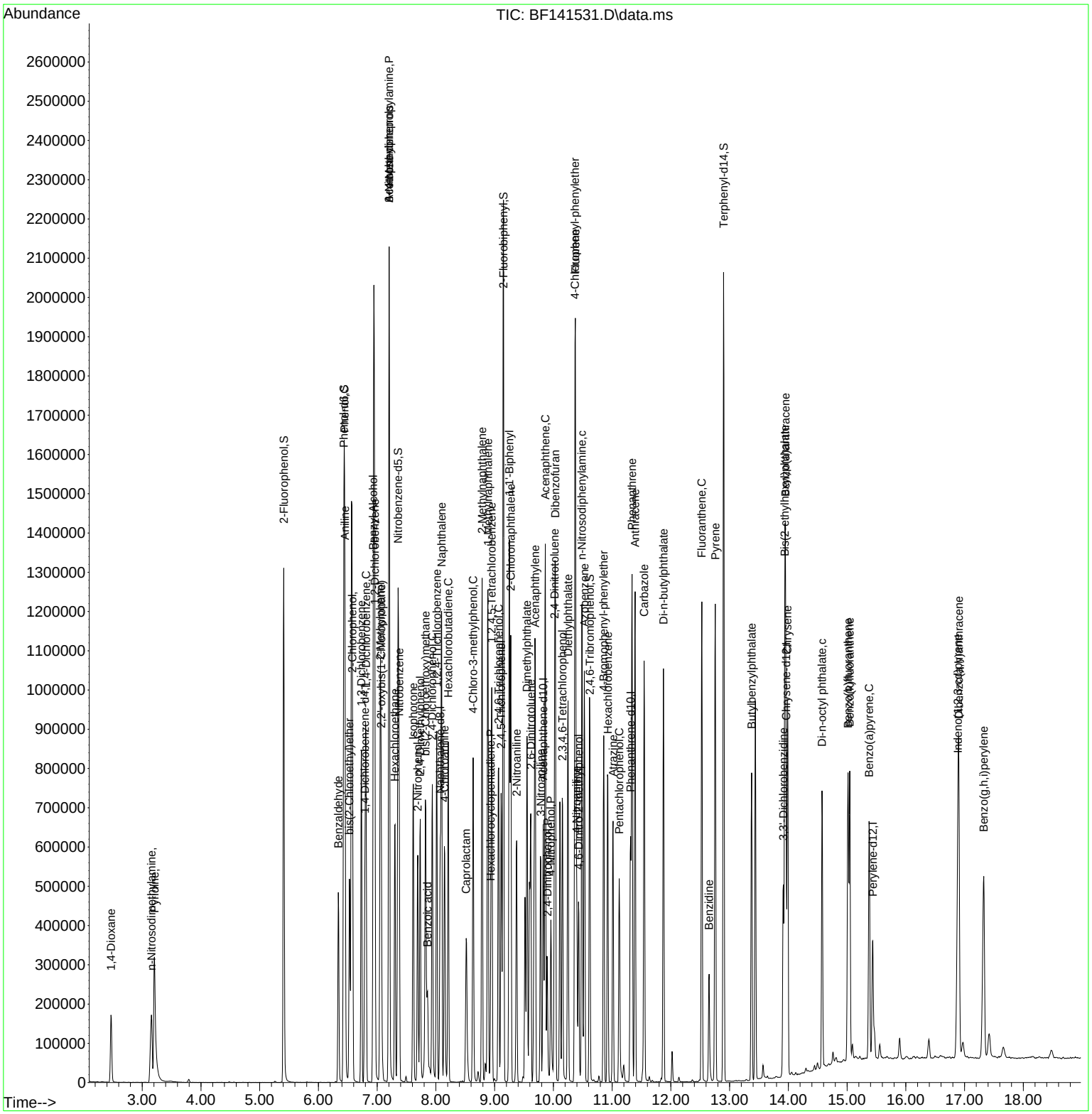
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.110 | 196 | 152923 | 39.281 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.251 | 154 | 588561 | 39.517 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.275 | 162 | 439299 | 39.887 | ng | 99 |
| 48) 2-Nitroaniline | 9.375 | 65 | 143494 | 38.822 | ng | 96 |
| 49) Acenaphthylene | 9.692 | 152 | 643014 | 39.253 | ng | 100 |
| 50) Dimethylphthalate | 9.551 | 163 | 510097 | 39.112 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.616 | 165 | 109011 | 38.236 | ng | 98 |
| 52) Acenaphthene | 9.863 | 154 | 430608 | 39.100 | ng | 99 |
| 53) 3-Nitroaniline | 9.786 | 138 | 117555 | 38.310 | ng | 97 |
| 54) 2,4-Dinitrophenol | 9.898 | 184 | 62096 | 36.647 | ng | 95 |
| 55) Dibenzofuran | 10.033 | 168 | 632974 | 39.157 | ng | 99 |
| 56) 4-Nitrophenol | 9.957 | 139 | 85776 | 37.656 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 10.022 | 165 | 145558 | 38.351 | ng | 99 |
| 58) Fluorene | 10.375 | 166 | 489982 | 39.202 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232 | 128800 | 38.428 | ng | 97 |
| 60) Diethylphthalate | 10.251 | 149 | 502338 | 39.149 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.369 | 204 | 240325 | 39.967 | ng | 98 |
| 62) 4-Nitroaniline | 10.398 | 138 | 116557 | 37.408 | ng | 100 |
| 63) Azobenzene | 10.527 | 77 | 501802 | 39.338 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.433 | 198 | 83522 | 38.398 | ng | 95 |
| 66) n-Nitrosodiphenylamine | 10.486 | 169 | 408555 | 40.759 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248 | 144175 | 41.197 | ng | 97 |
| 68) Hexachlorobenzene | 10.927 | 284 | 147297 | 40.874 | ng | 99 |
| 69) Atrazine | 11.016 | 200 | 114088 | 37.940 | ng | 98 |
| 70) Pentachlorophenol | 11.122 | 266 | 86291 | 37.449 | ng | 98 |
| 71) Phenanthrene | 11.339 | 178 | 691100 | 40.095 | ng | 100 |
| 72) Anthracene | 11.392 | 178 | 694305 | 40.071 | ng | 100 |
| 73) Carbazole | 11.545 | 167 | 608137 | 39.007 | ng | 100 |
| 74) Di-n-butylphthalate | 11.874 | 149 | 722112 | 40.113 | ng | 100 |
| 75) Fluoranthene | 12.527 | 202 | 700802 | 38.350 | ng | 99 |
| 77) Benzidine | 12.651 | 184 | 158992 | 37.236 | ng | 100 |
| 78) Pyrene | 12.757 | 202 | 700603 | 42.509 | ng | 99 |
| 80) Butylbenzylphthalate | 13.374 | 149 | 242906 | 42.551 | ng | 100 |
| 81) Benzo(a)anthracene | 13.951 | 228 | 505085 | 39.246 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.915 | 252 | 144386 | 39.165 | ng | 97 |
| 83) Chrysene | 13.986 | 228 | 478477 | 40.265 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.939 | 149 | 292322 | 45.402 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.574 | 149 | 453134 | 49.334 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.886 | 276 | 504388 | 46.037 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.015 | 252 | 490636 | 41.209 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.045 | 252 | 359014 | 35.313 | ng | 98 |
| 90) Benzo(a)pyrene | 15.374 | 252 | 383923 | 39.851 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.904 | 278 | 415551 | 46.809 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.327 | 276 | 435173 | 46.843 | ng | 99 |

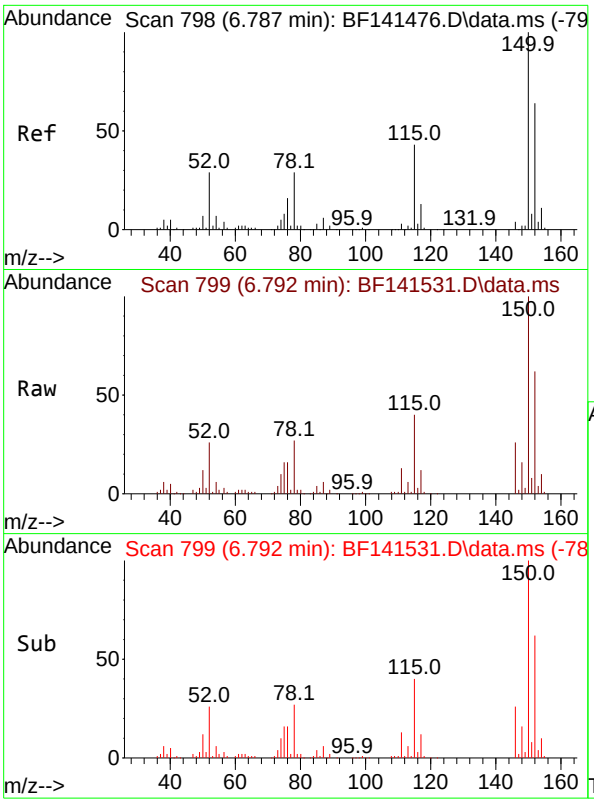
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Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



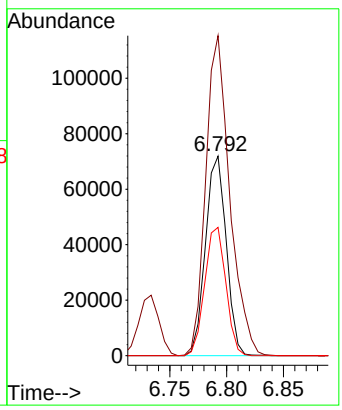


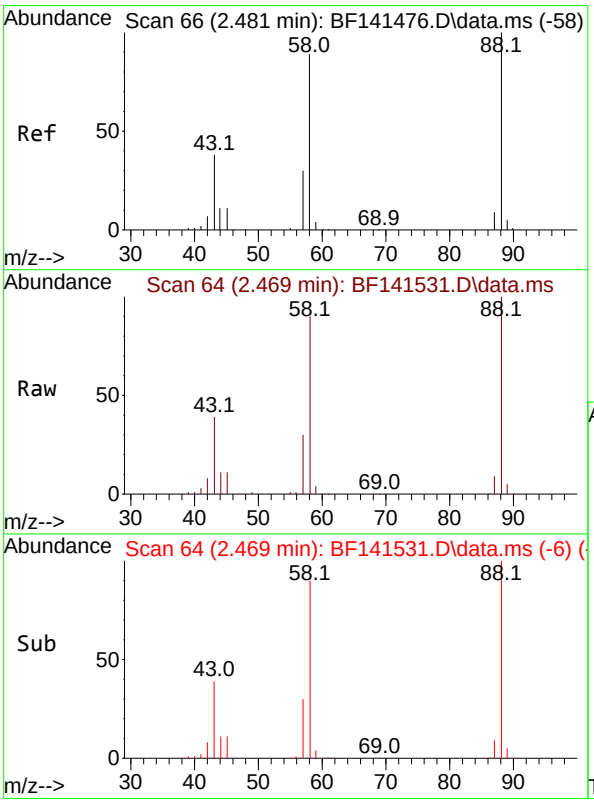

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 91504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.4 | 125.0 | 187.4 |
| 115 | 64.3 | 53.6 | 80.4 |

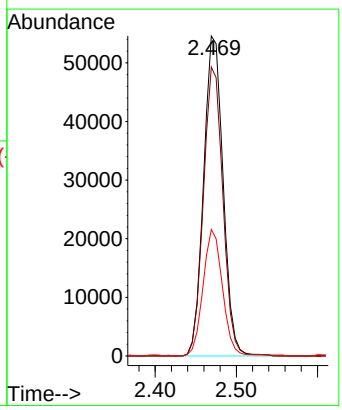


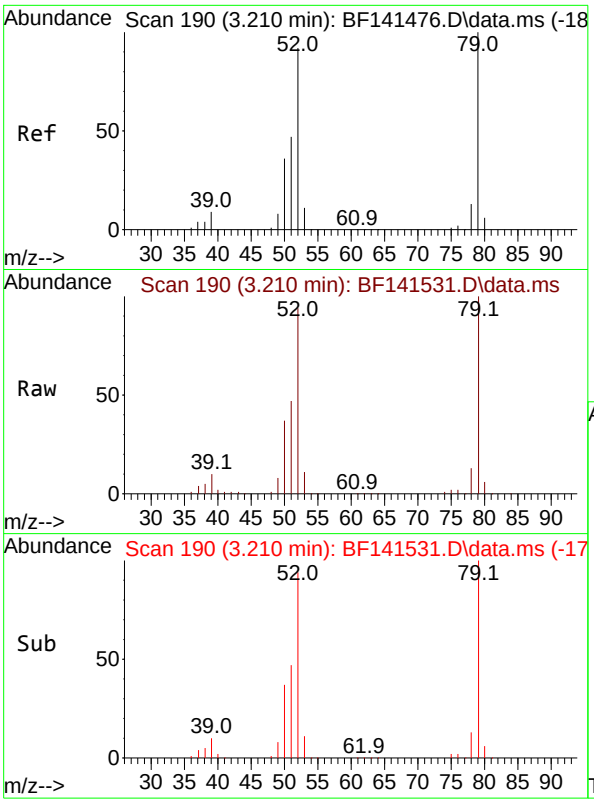




#2
1,4-Dioxane
Concen: 38.728 ng
RT: 2.469 min Scan# 64
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 88 Resp: 90976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 90.2 | 71.1 | 106.7 |
| 43 | 39.7 | 30.6 | 46.0 |



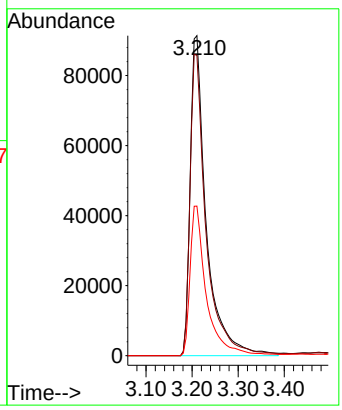


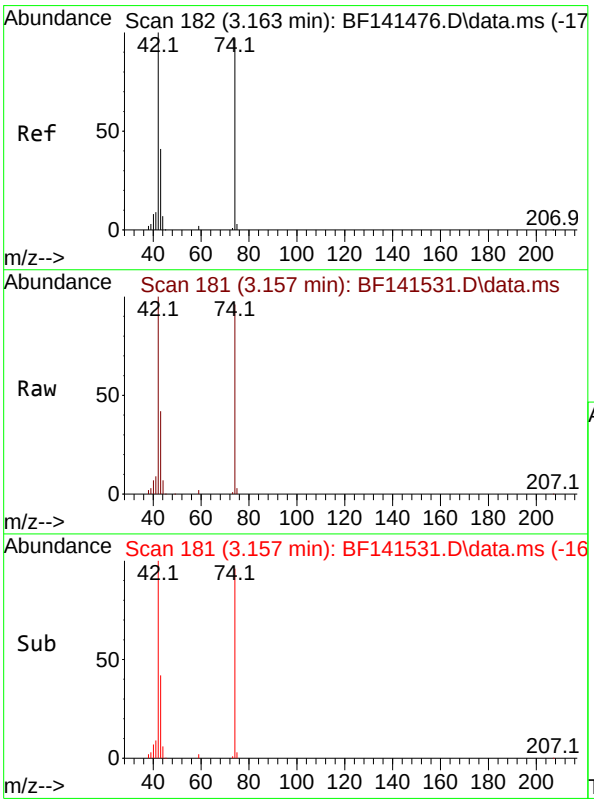

#3
Pyridine
Concen: 39.606 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 221401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 93.9 | 73.7 | 110.5 |
| 51 | 46.8 | 37.5 | 56.3 |

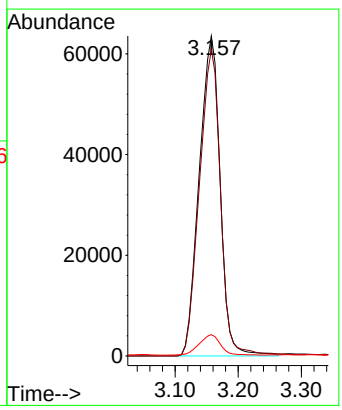


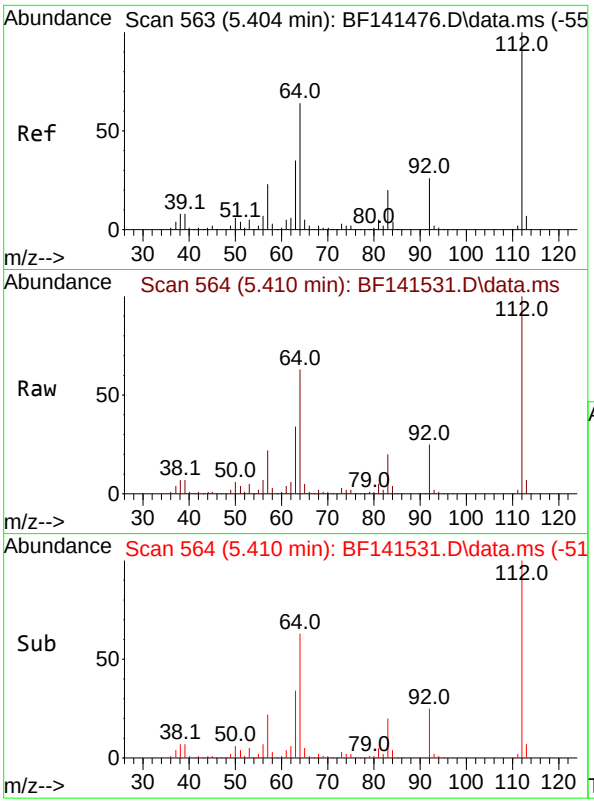




#4
n-Nitrosodimethylamine
Concen: 39.614 ng
RT: 3.157 min Scan# 181
Delta R.T. -0.029 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 42 Resp: 146628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 95.8 | 78.0 | 117.0 |
| 44 | 6.7 | 5.4 | 8.2 |



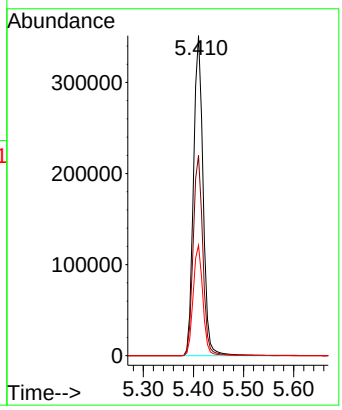


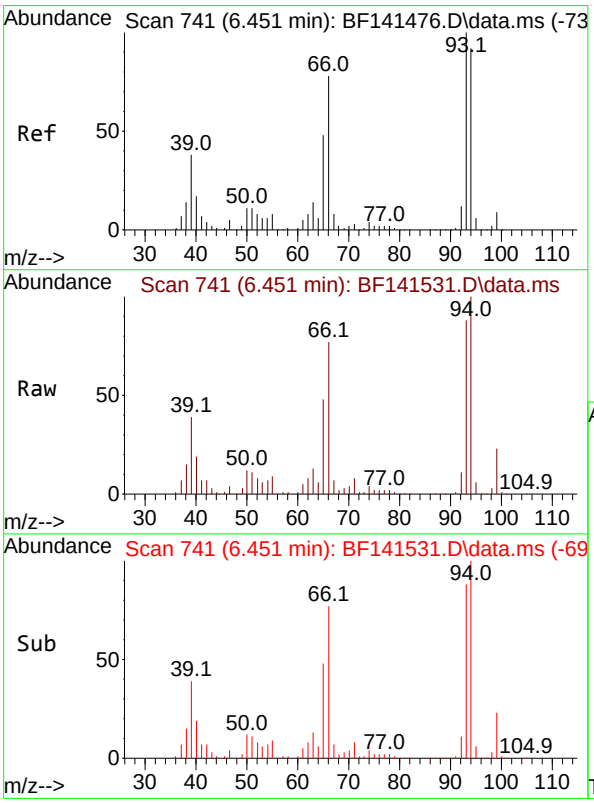

#5
2-Fluorophenol
Concen: 80.176 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:112 Resp: 467960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.6 | 51.1 | 76.7 |
| 63 | 34.5 | 28.4 | 42.6 |

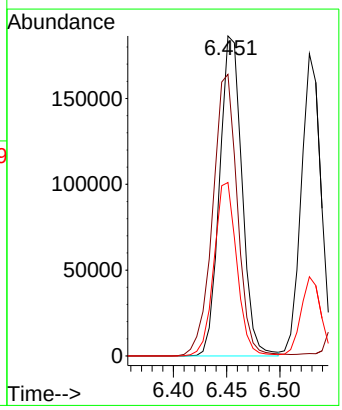


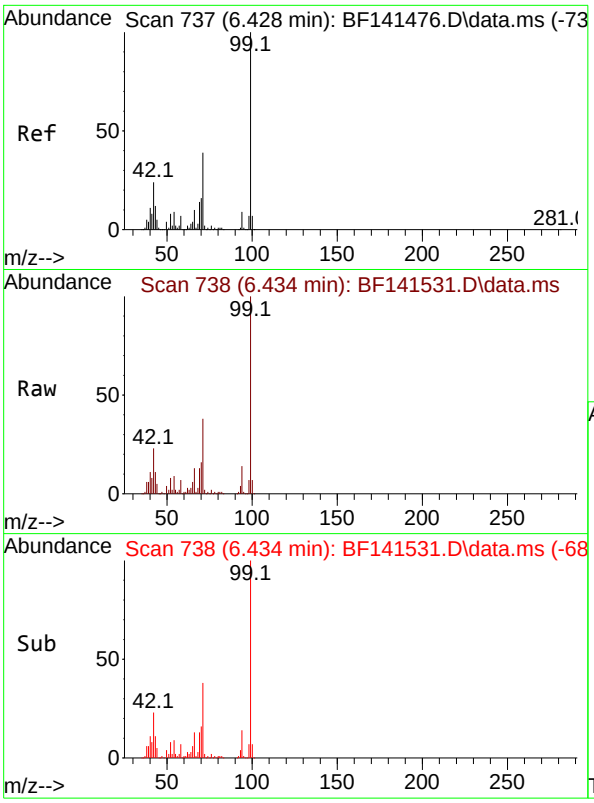




#6
Aniline
Concen: 39.376 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 93 Resp: 272486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 88.0 | 62.6 | 94.0 |
| 65 | 54.2 | 38.3 | 57.5 |



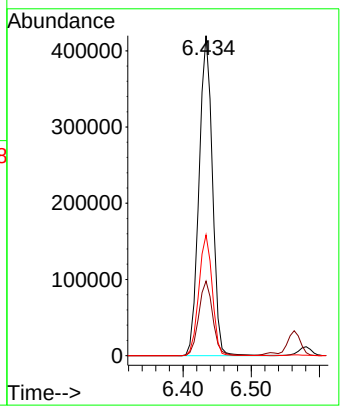


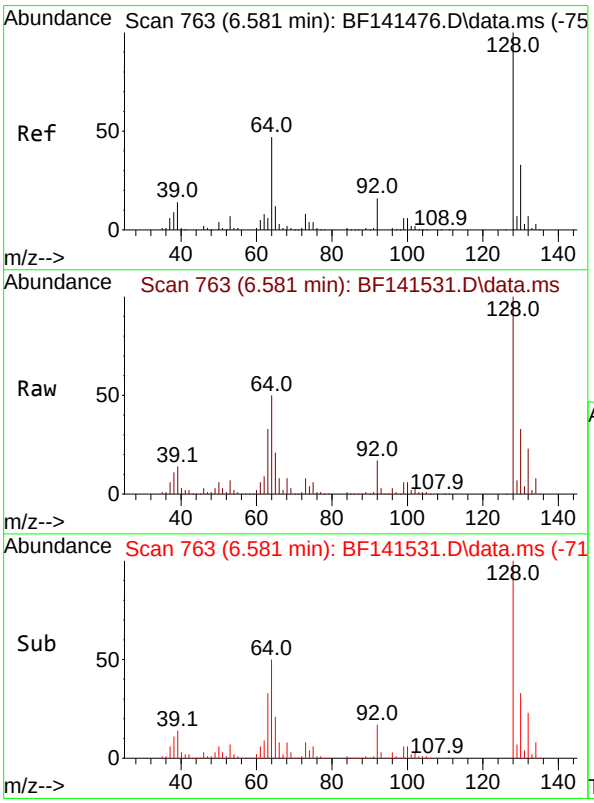

#7
Phenol-d6
Concen: 77.687 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 99 Resp: 573104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.3 | 19.1 | 28.7 |
| 71 | 37.8 | 31.1 | 46.7 |

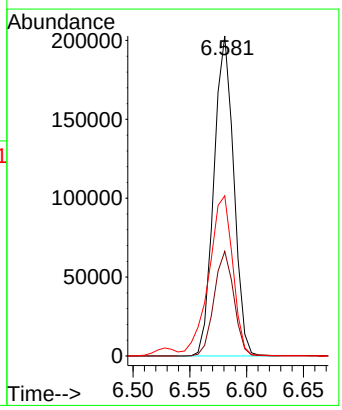


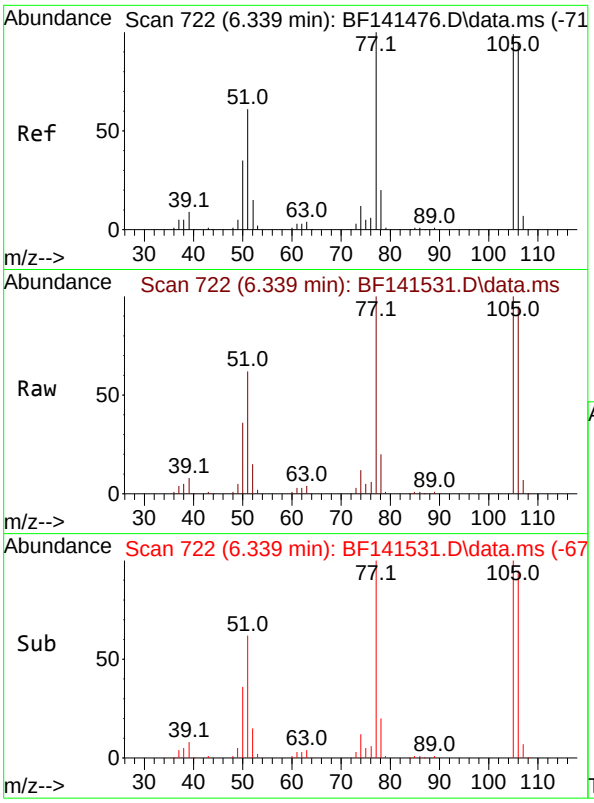




#8
2-Chlorophenol
Concen: 39.158 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:128 Resp: 246962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.7 | 12.7 | 52.7 |
| 64 | 50.1 | 28.3 | 68.3 |



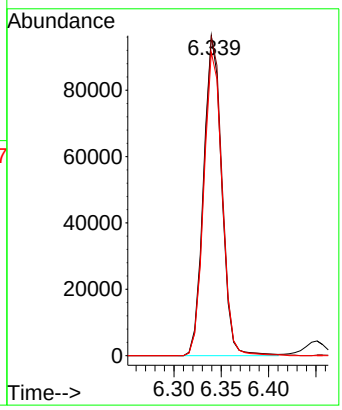


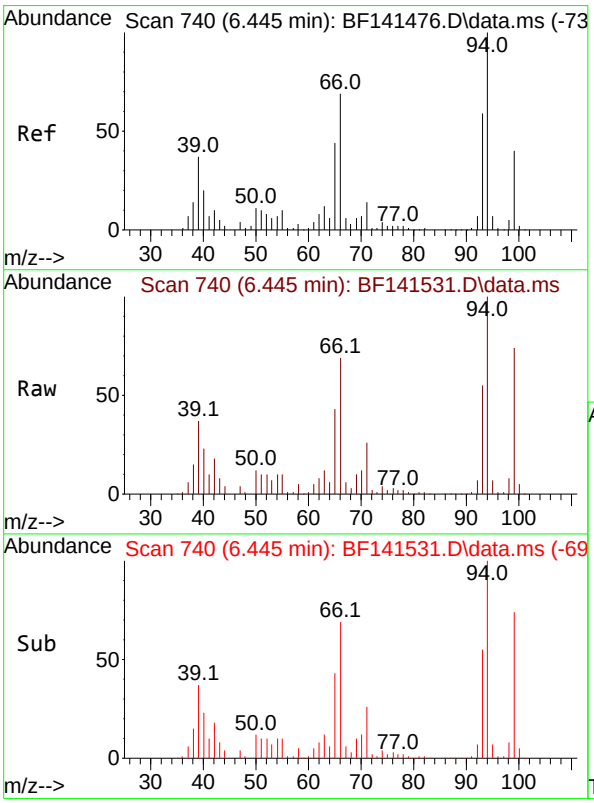

#9
Benzaldehyde
Concen: 32.674 ng
RT: 6.339 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 128088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.6 | 79.4 | 119.4 |
| 106 | 94.8 | 75.1 | 115.1 |

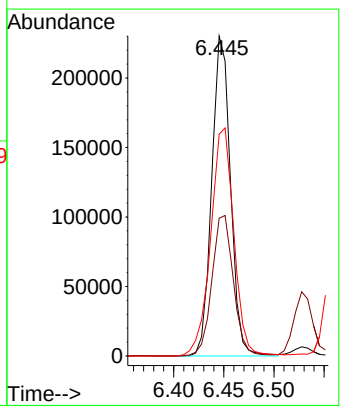


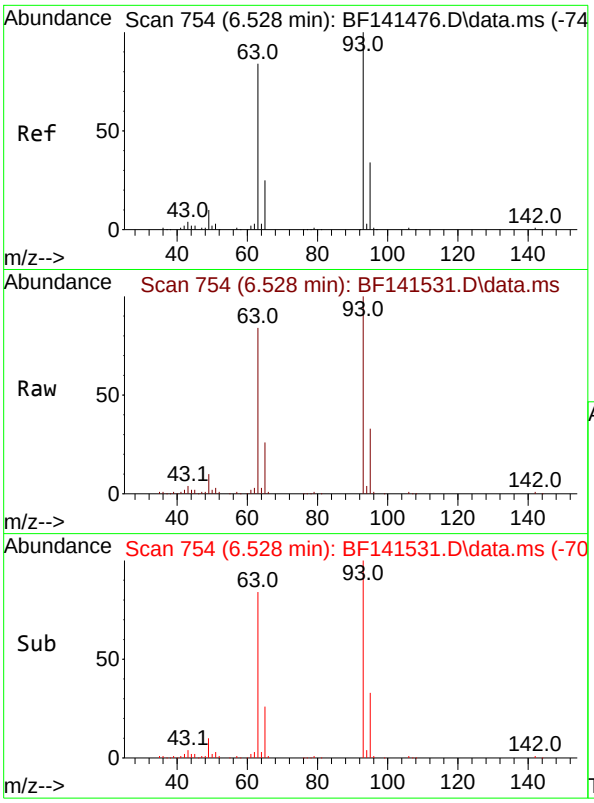




#10
Phenol
Concen: 38.940 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 94 Resp: 298987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 43.1 | 23.7 | 63.7 |
| 66 | 69.3 | 49.3 | 89.3 |



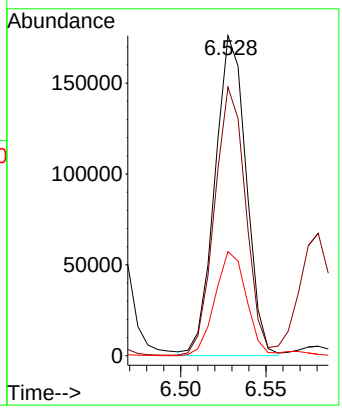


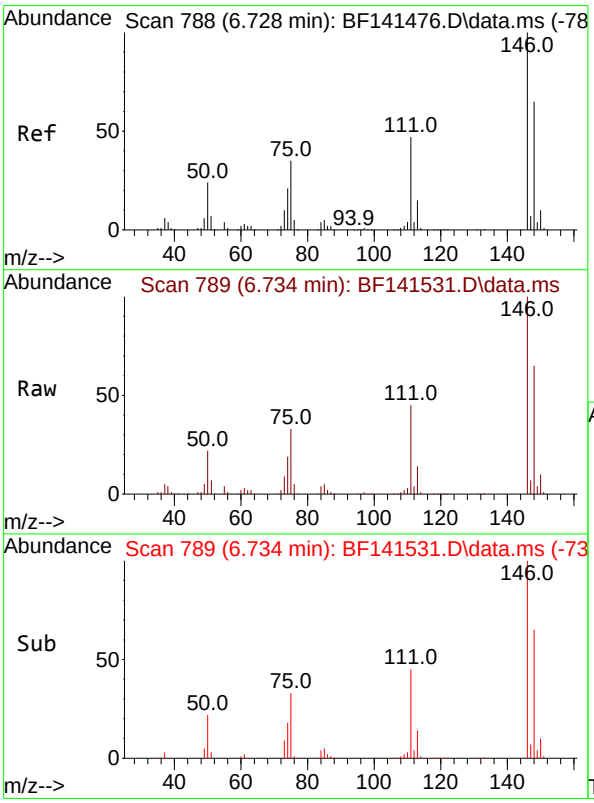

#11
bis(2-Chloroethyl)ether
Concen: 39.036 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 93 Resp: 225126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 83.9 | 62.0 | 102.0 |
| 95 | 32.5 | 12.6 | 52.6 |

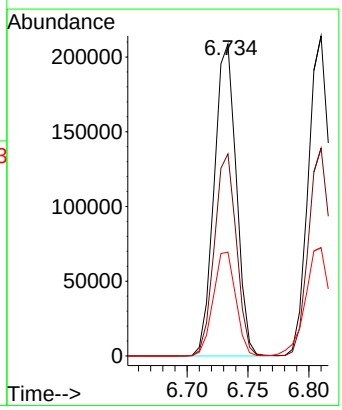


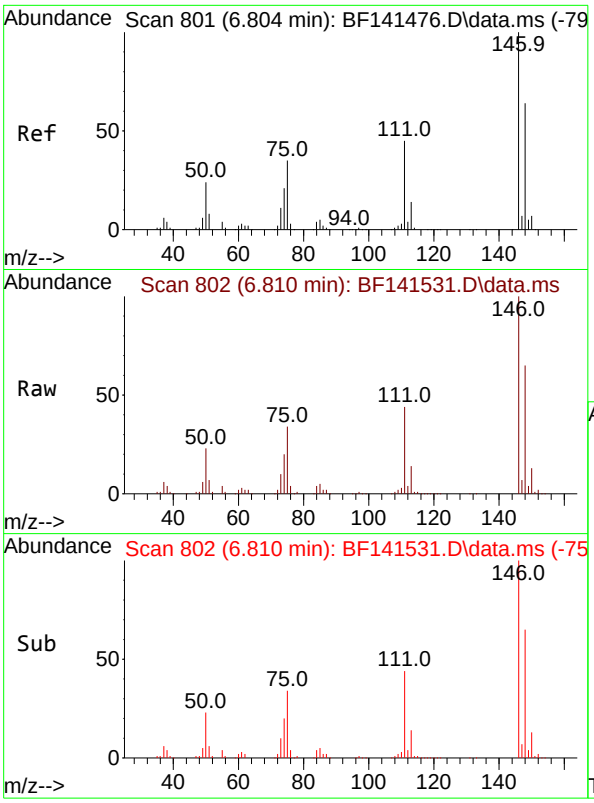




#12
1,3-Dichlorobenzene
Concen: 39.668 ng
RT: 6.734 min Scan# 789
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:146 Resp: 264114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.9 | 77.9 |
| 75 | 33.3 | 28.2 | 42.2 |



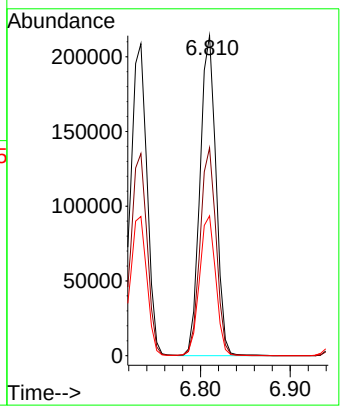


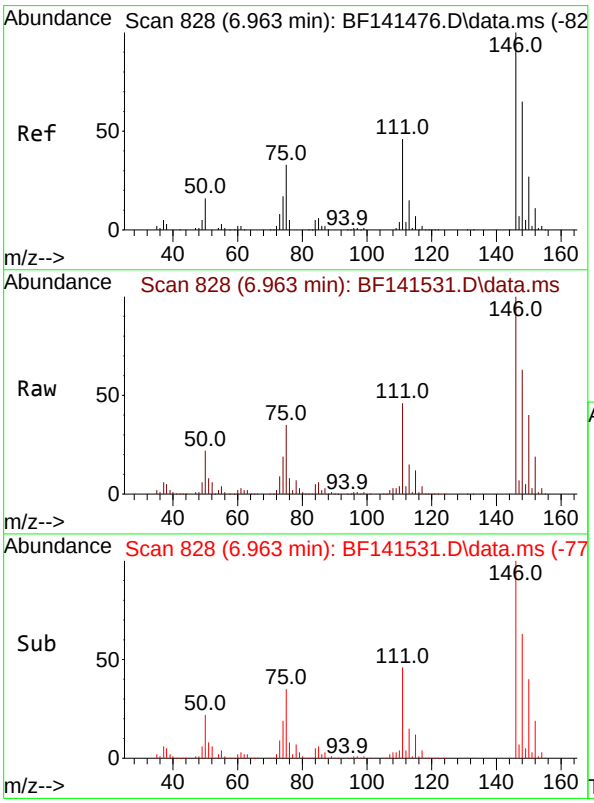

#13
1,4-Dichlorobenzene
Concen: 39.023 ng
RT: 6.810 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:146 Resp: 265465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.0 | 50.9 | 76.3 |
| 111 | 43.7 | 35.9 | 53.9 |

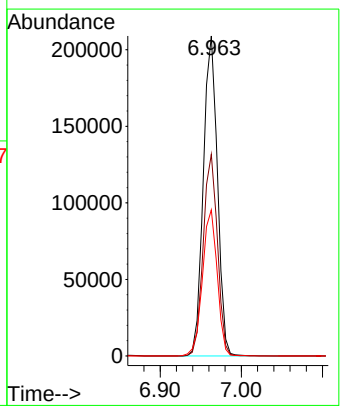


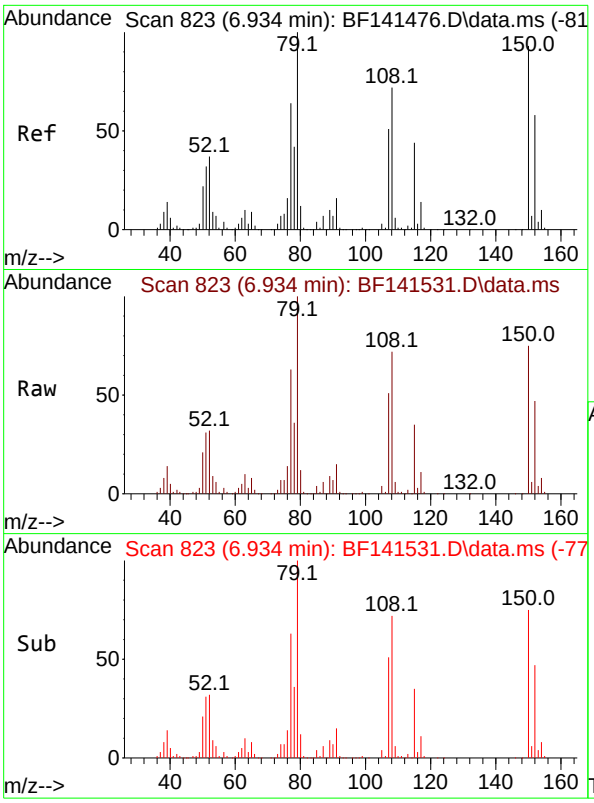




#14
1,2-Dichlorobenzene
Concen: 39.967 ng
RT: 6.963 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:146 Resp: 252344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.0 | 51.8 | 77.6 |
| 111 | 45.6 | 37.0 | 55.4 |



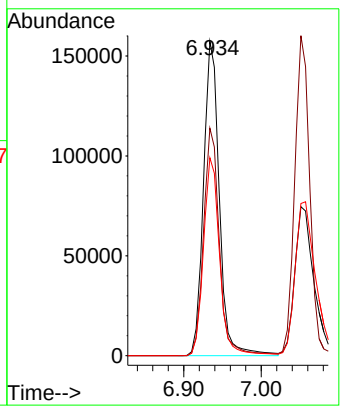


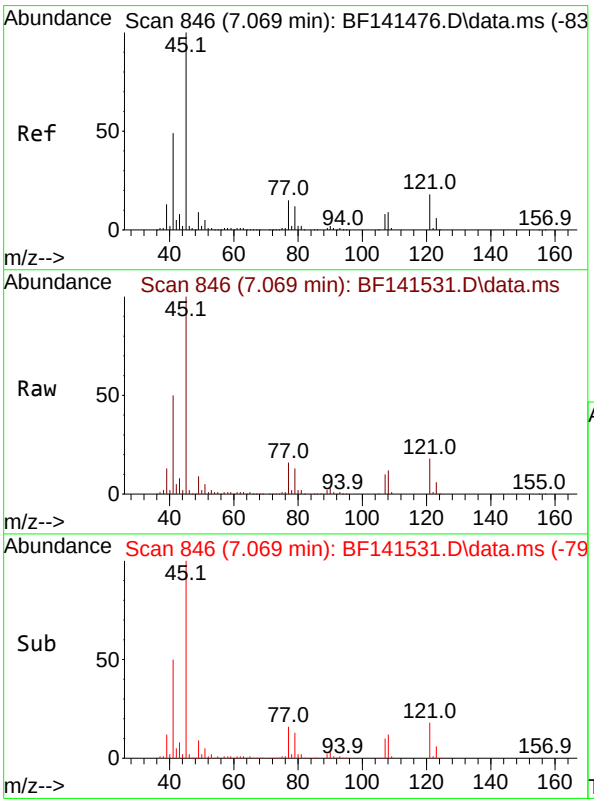

#15
Benzyl Alcohol
Concen: 39.473 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 223304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 72.4 | 57.4 | 86.2 |
| 77 | 63.0 | 50.9 | 76.3 |

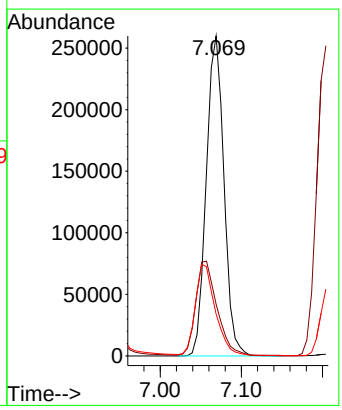


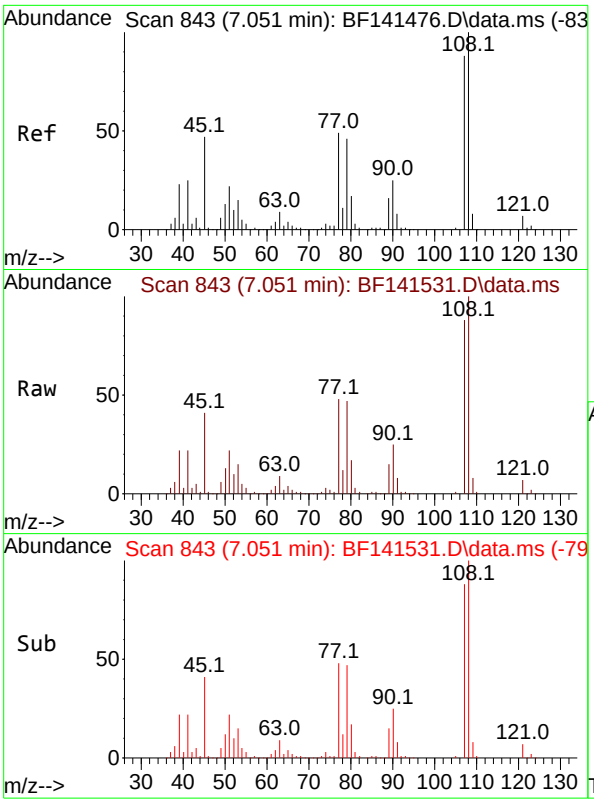




#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.715 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 45 Resp: 392078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 16.2 | 0.0 | 35.8 |
| 79 | 13.1 | 0.0 | 32.7 |



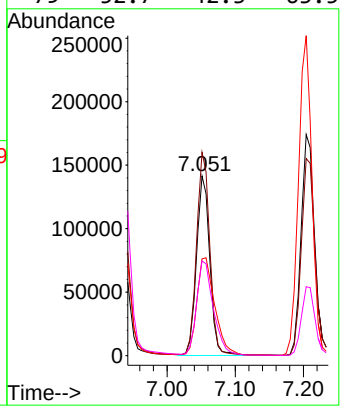


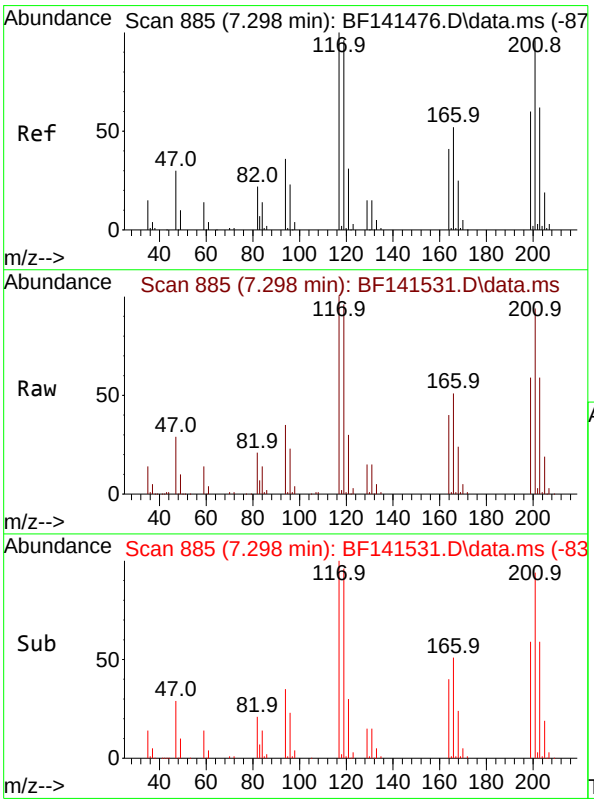

#17
2-Methylphenol
Concen: 39.034 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:107 Resp: 192649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.2 | 90.6 | 136.0 |
| 77 | 53.8 | 44.4 | 66.6 |
| 79 | 52.7 | 42.3 | 63.5 |

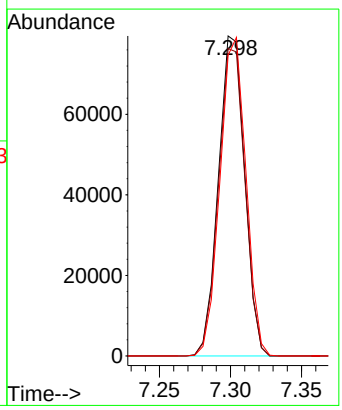


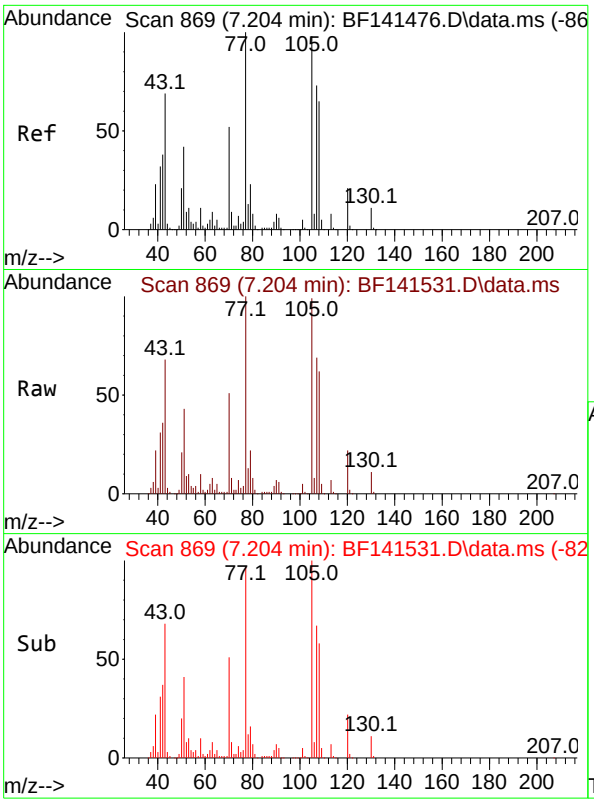




#18
Hexachloroethane
Concen: 40.642 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:117 Resp: 102320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.1 | 76.5 | 114.7 |
| 201 | 93.9 | 76.7 | 115.1 |



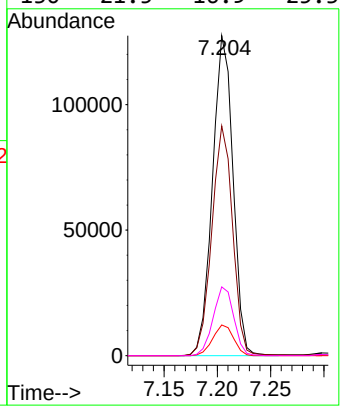


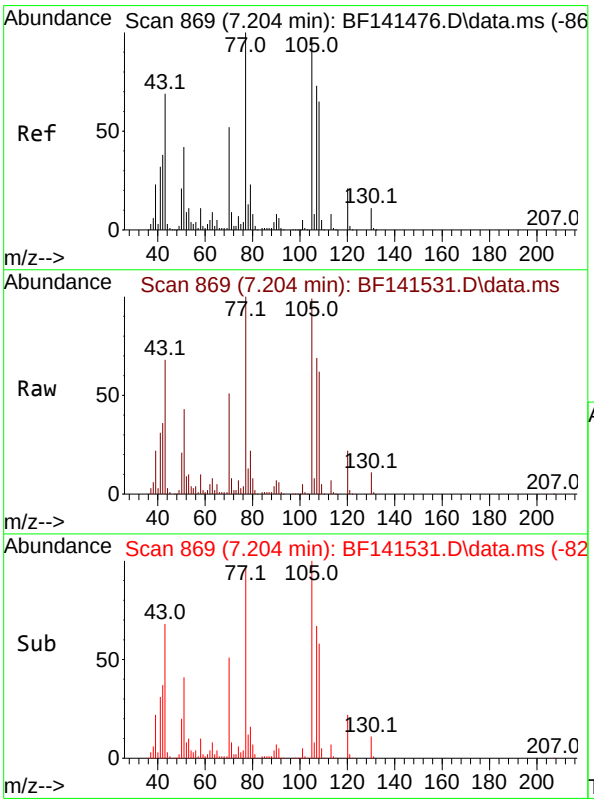

#19
n-Nitroso-di-n-propylamine
Concen: 38.706 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 70 Resp: 170797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 71.8 | 57.4 | 86.2 |
| 101 | 9.6 | 8.0 | 12.0 |
| 130 | 21.5 | 16.9 | 25.3 |

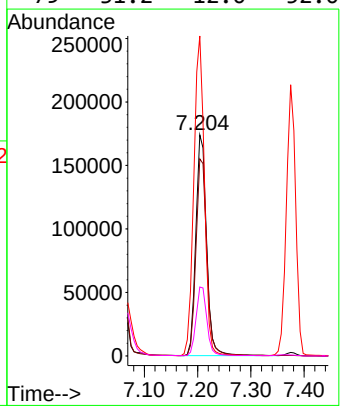


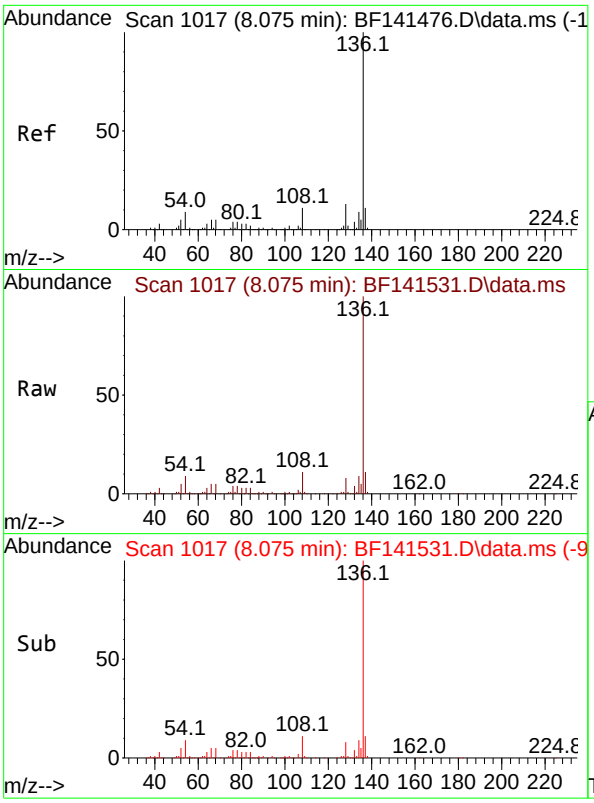




#20
3+4-Methylphenols
Concen: 38.569 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:107 Resp: 241913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.2 | 68.5 | 108.5 |
| 77 | 144.7 | 116.5 | 156.5 |
| 79 | 31.2 | 12.0 | 52.0 |



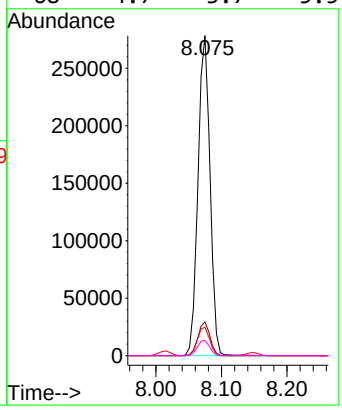


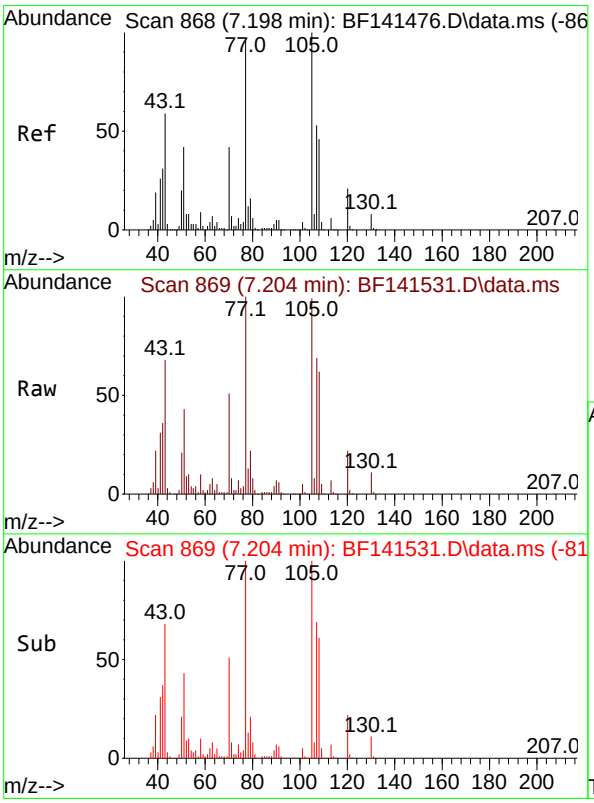

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:136 Resp: 356056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.5 | 8.6 | 13.0 |
| 54 | 8.9 | 7.2 | 10.8 |
| 68 | 4.7 | 3.7 | 5.5 |

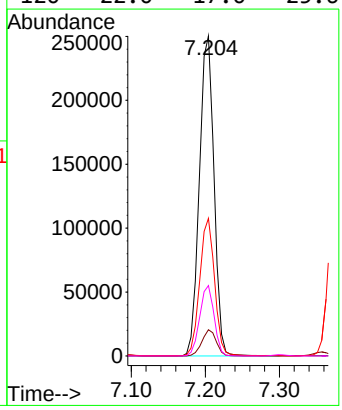


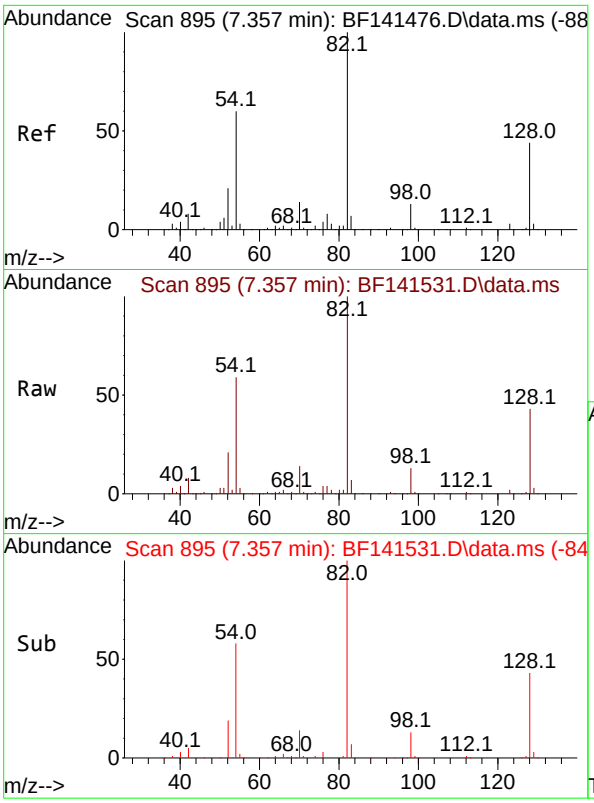




#22
Acetophenone
Concen: 38.827 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:105 Resp: 343898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.2 | 5.7 | 8.5 |
| 51 | 43.0 | 33.7 | 50.5 |
| 120 | 22.0 | 17.0 | 25.6 |



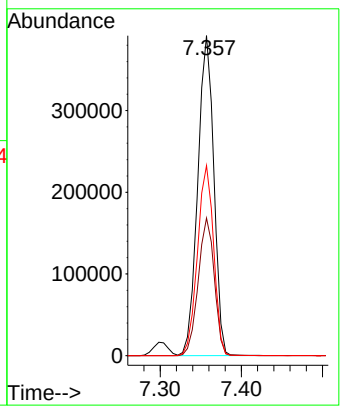


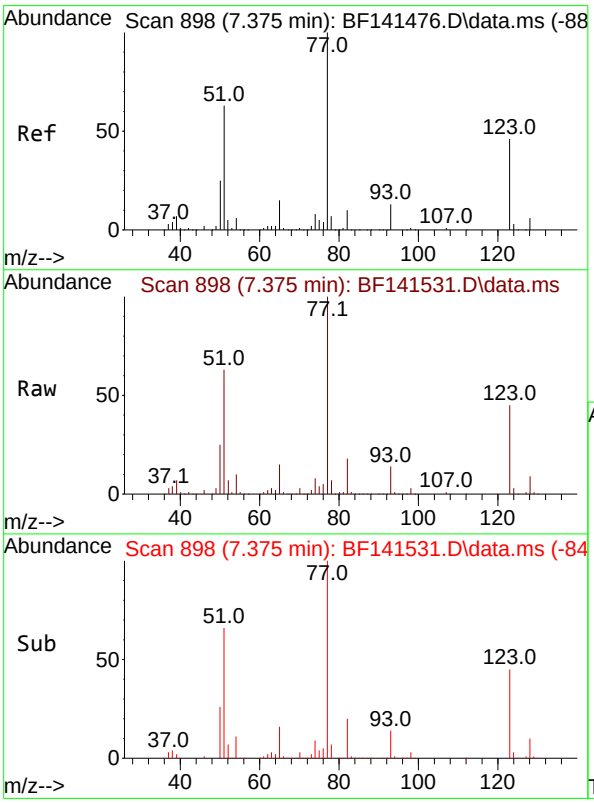

#23
Nitrobenzene-d5
Concen: 78.840 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 538199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.0 | 34.8 | 52.2 |
| 54 | 59.4 | 48.2 | 72.4 |

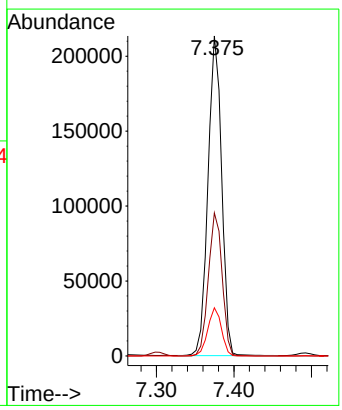


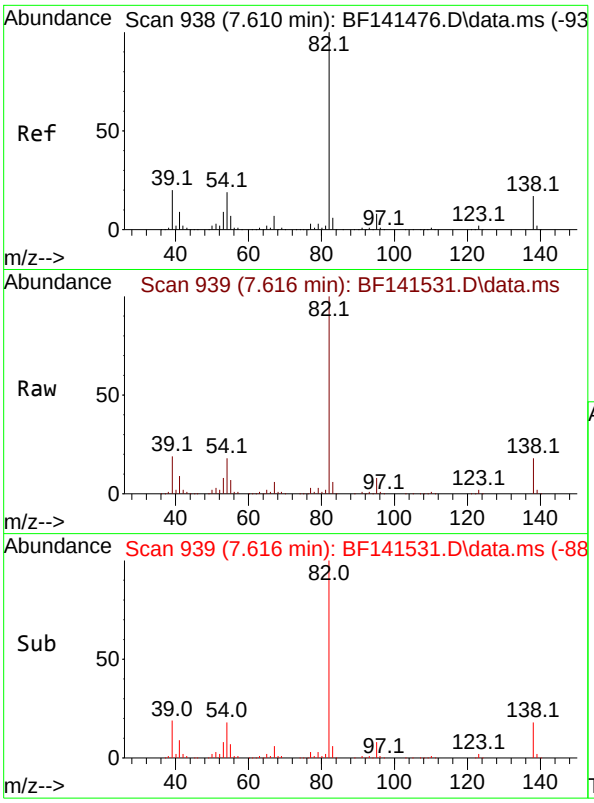




#24
Nitrobenzene
Concen: 39.108 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 77 Resp: 260329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 44.7 | 36.9 | 55.3 |
| 65 | 15.0 | 11.9 | 17.9 |



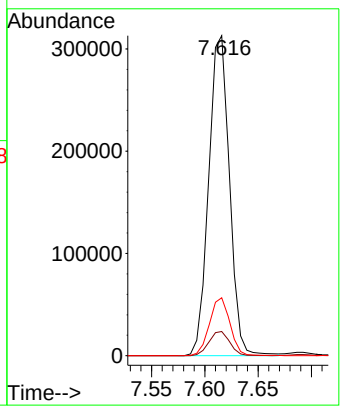


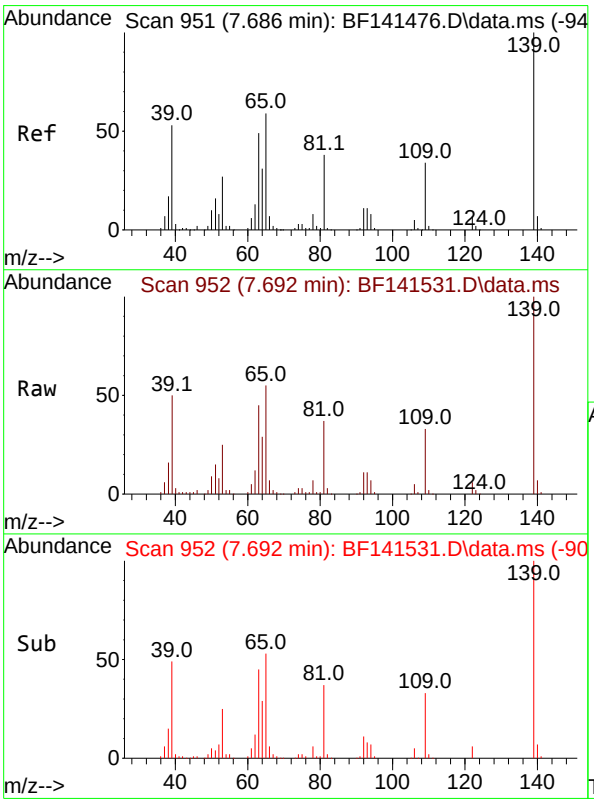

#25
Isophorone
Concen: 38.993 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 424424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.6 | 6.4 | 9.6 |
| 138 | 18.1 | 13.9 | 20.9 |

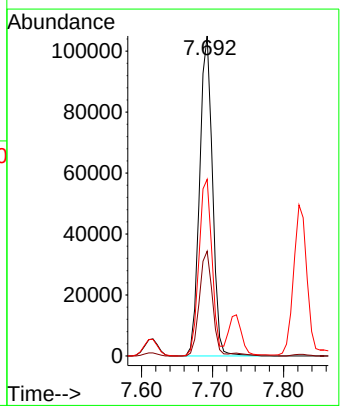


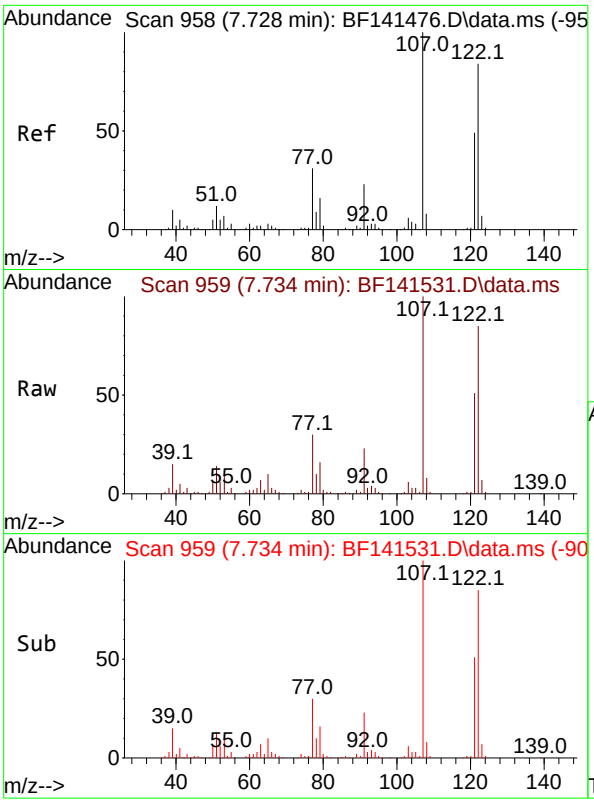




#26
2-Nitrophenol
Concen: 40.102 ng
RT: 7.692 min Scan# 952
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:139 Resp: 132810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.7 | 27.0 | 40.6 |
| 65 | 55.2 | 47.1 | 70.7 |



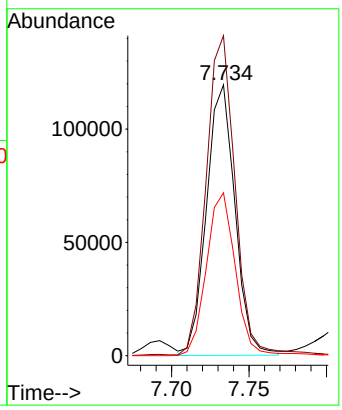


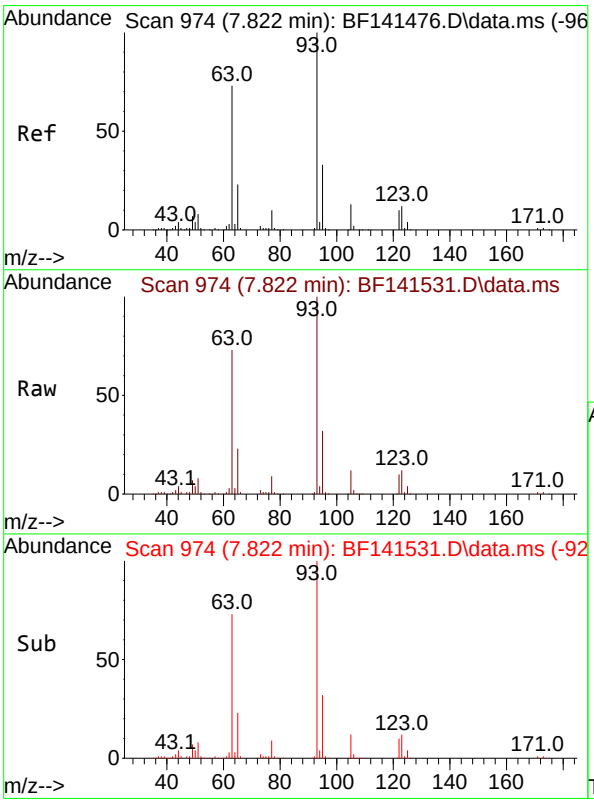

#27
2,4-Dimethylphenol
Concen: 39.519 ng
RT: 7.734 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:122 Resp: 152895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 118.1 | 94.3 | 141.5 |
| 121 | 60.1 | 46.0 | 69.0 |

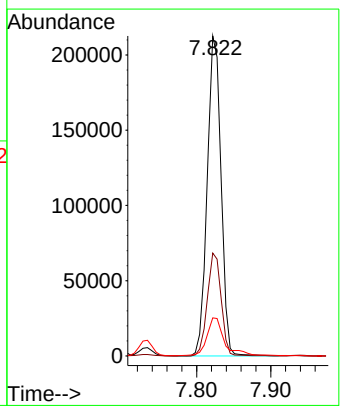


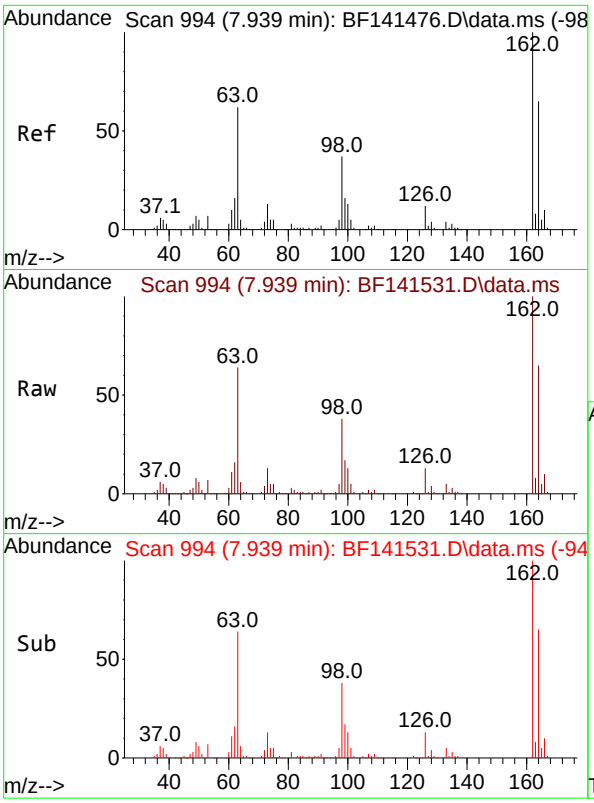




#28
bis(2-Chloroethoxy)methane
Concen: 39.467 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 93 Resp: 275268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.2 | 26.1 | 39.1 |
| 123 | 11.9 | 9.5 | 14.3 |



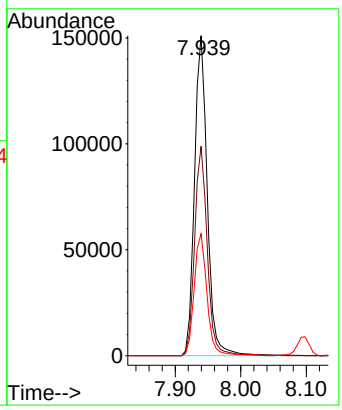


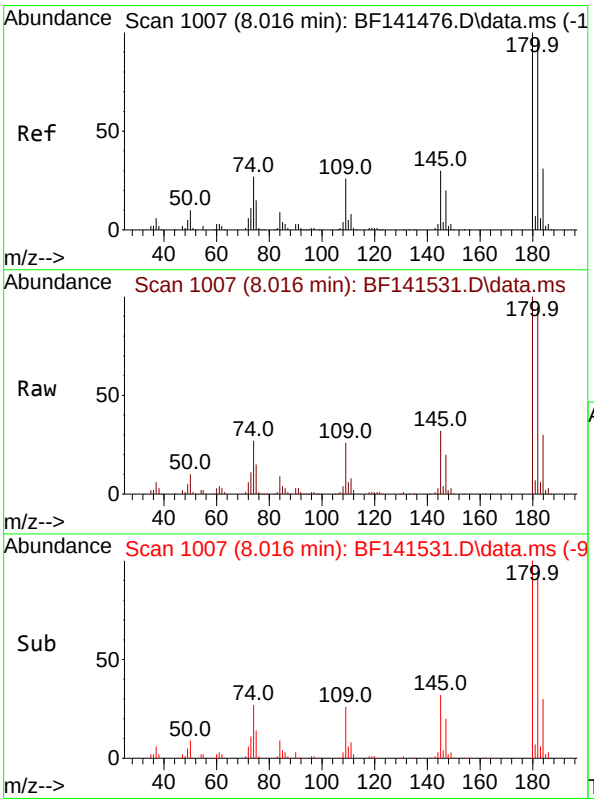

#29
2,4-Dichlorophenol
Concen: 39.280 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 205336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.5 | 44.6 | 84.6 |
| 98 | 38.1 | 17.2 | 57.2 |

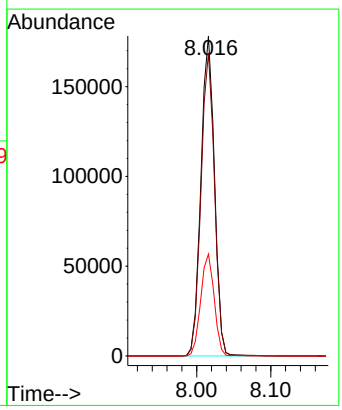


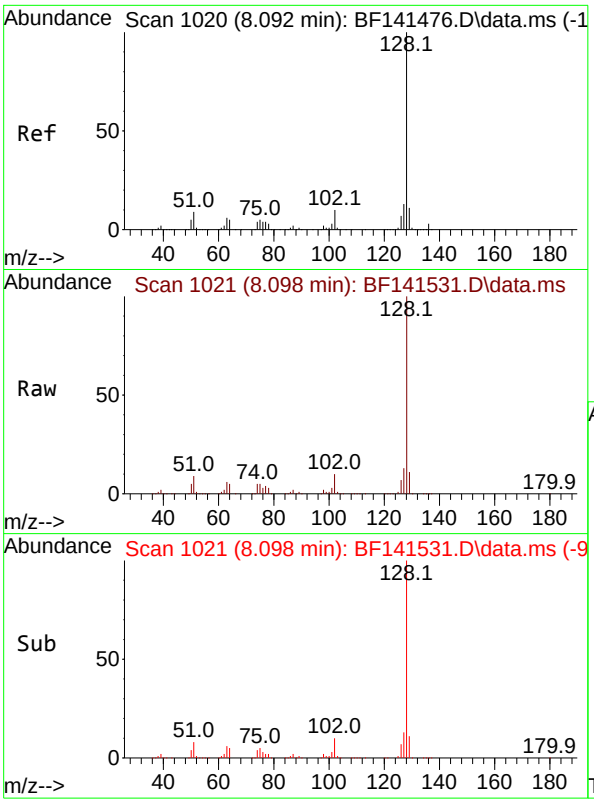




#30
1,2,4-Trichlorobenzene
Concen: 39.705 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:180 Resp: 226022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.7 | 76.8 | 115.2 |
| 145 | 31.9 | 24.2 | 36.4 |



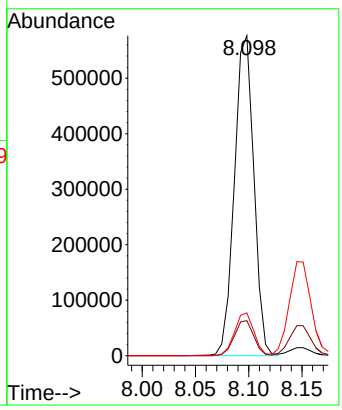


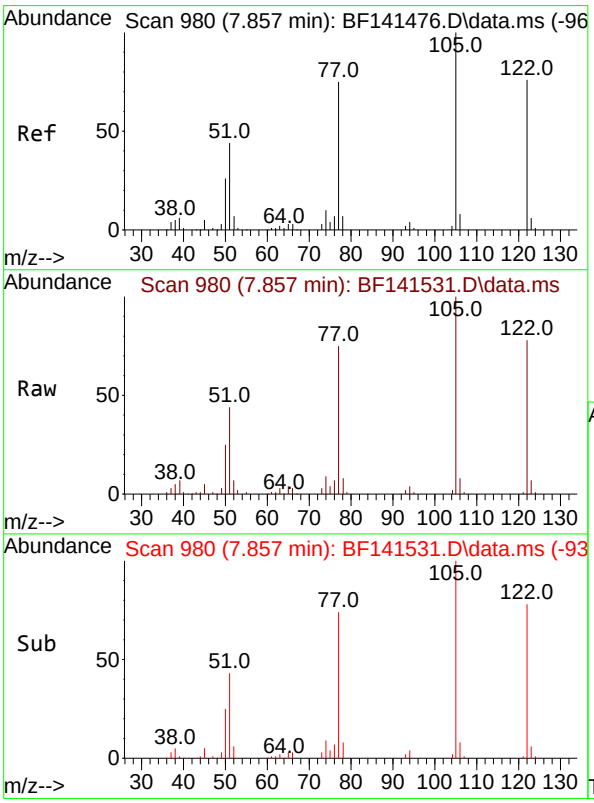

#31
Naphthalene
Concen: 39.639 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:128 Resp: 734667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.9 | 13.3 |
| 127 | 13.4 | 10.7 | 16.1 |

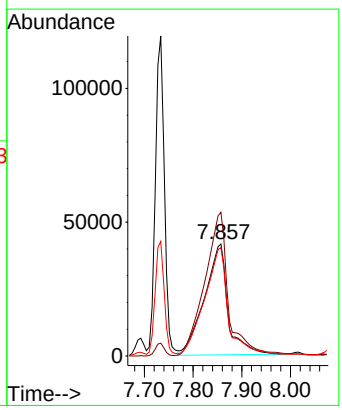


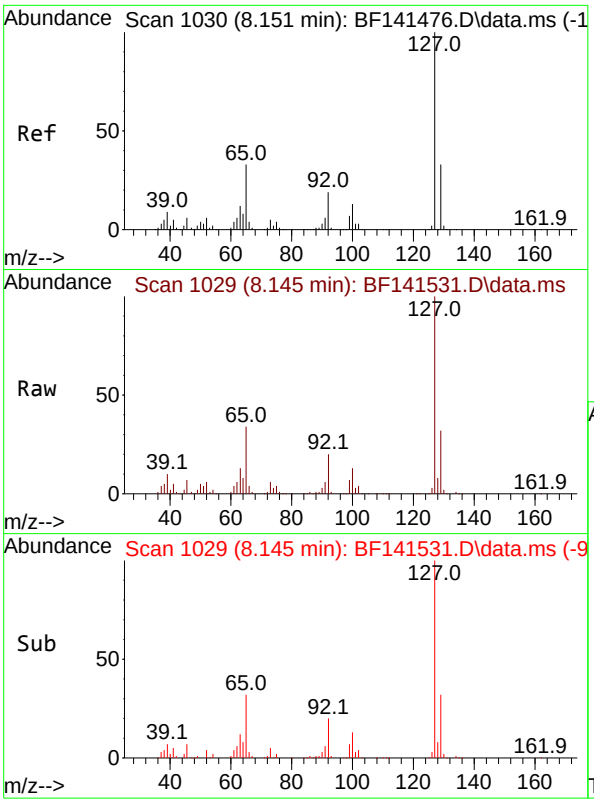




#32
Benzoic acid
Concen: 34.738 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:122 Resp: 139602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 128.4 | 106.5 | 146.5 |
| 77 | 96.8 | 76.3 | 116.3 |



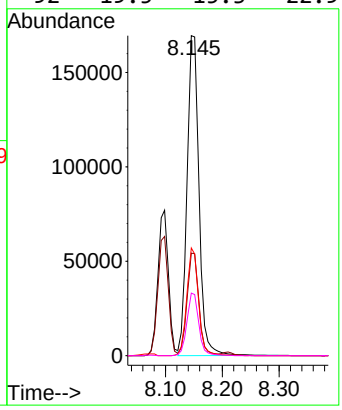


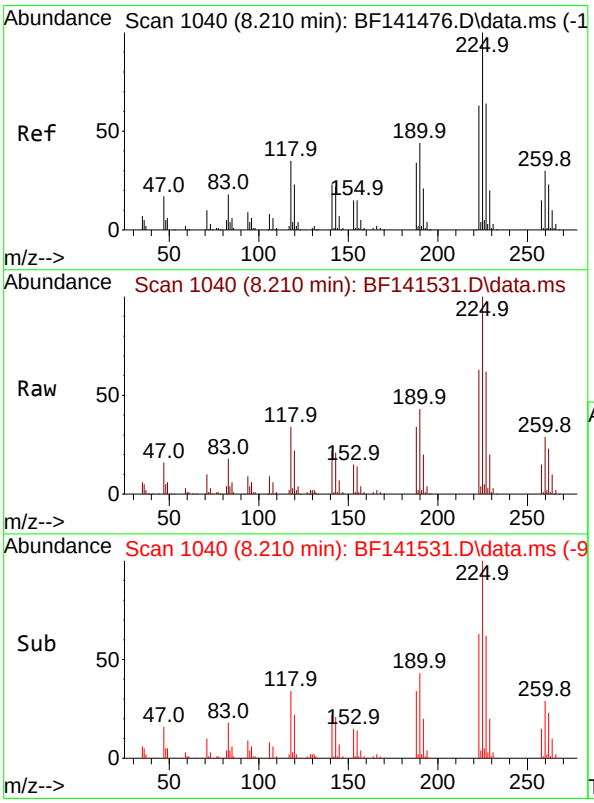

#33
4-Chloroaniline
Concen: 38.208 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:127 Resp: 247243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.1 | 26.5 | 39.7 |
| 65 | 33.6 | 26.4 | 39.6 |
| 92 | 19.5 | 15.3 | 22.9 |

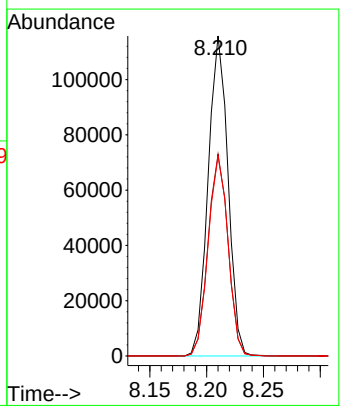


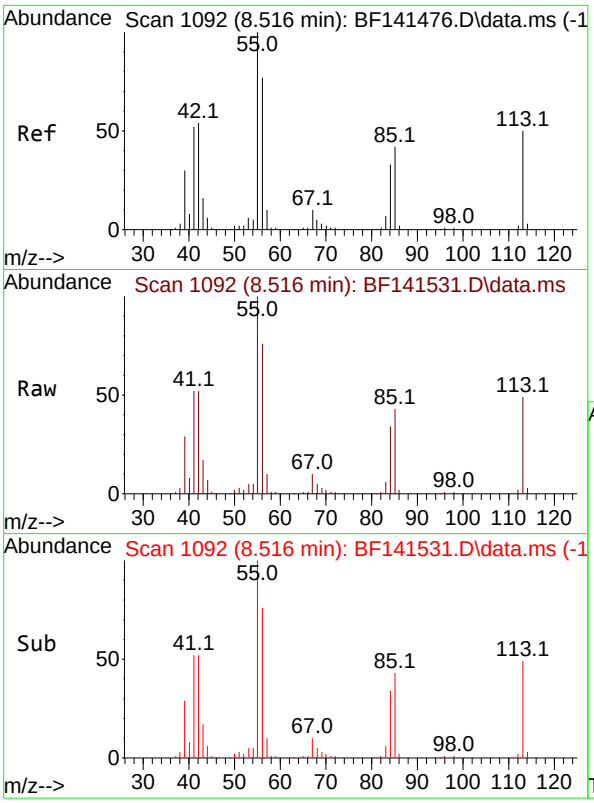




#34
Hexachlorobutadiene
Concen: 41.054 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:225 Resp: 140298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 50.1 | 75.1 |
| 227 | 62.4 | 51.0 | 76.6 |



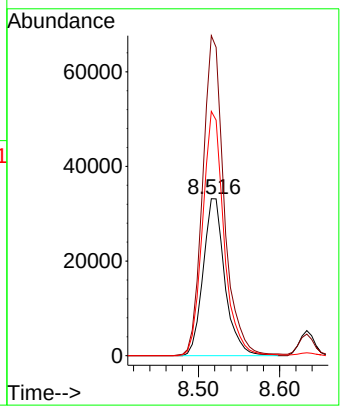


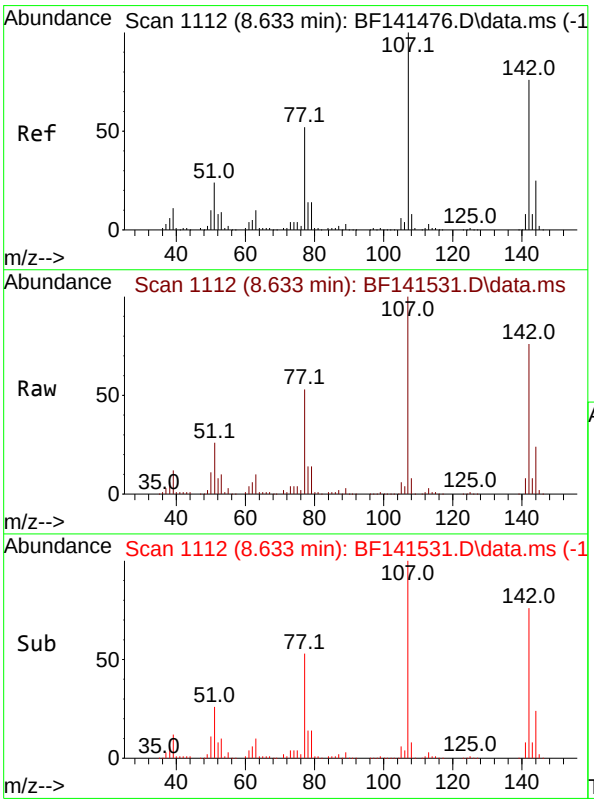

#35
Caprolactam
Concen: 38.739 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:113 Resp: 61657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 203.9 | 180.8 | 220.8 |
| 56 | 155.7 | 133.6 | 173.6 |

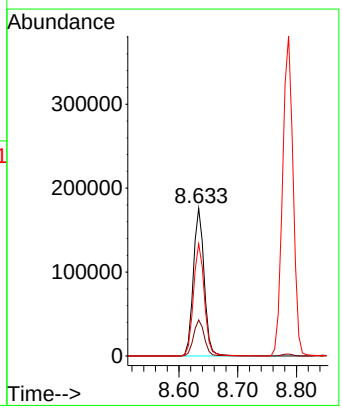


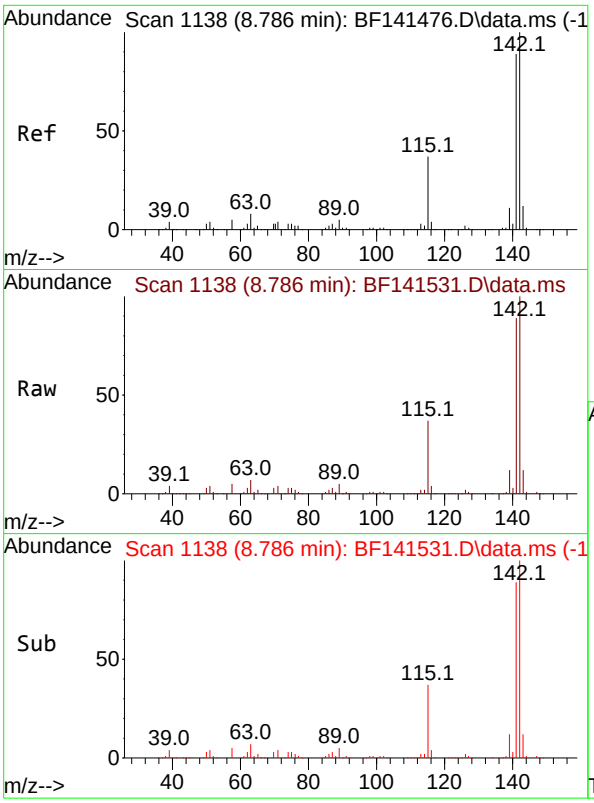




#36
4-Chloro-3-methylphenol
Concen: 38.947 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:107 Resp: 225523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.4 | 19.7 | 29.5 |
| 142 | 76.0 | 60.8 | 91.2 |



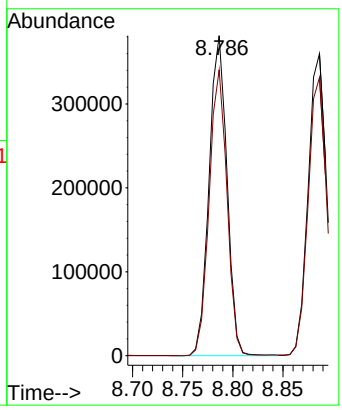


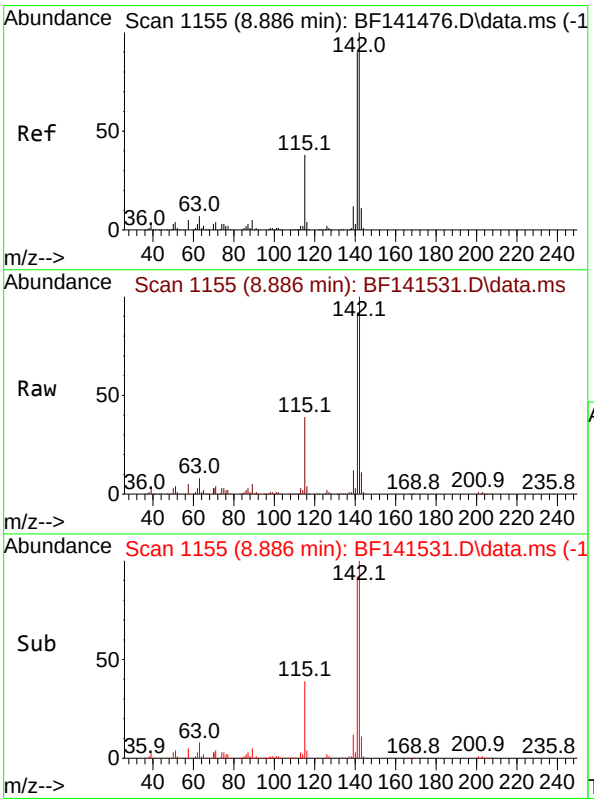

#37
2-Methylnaphthalene
Concen: 39.242 ng
RT: 8.786 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:142 Resp: 473288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.3 | 71.2 | 106.8 |

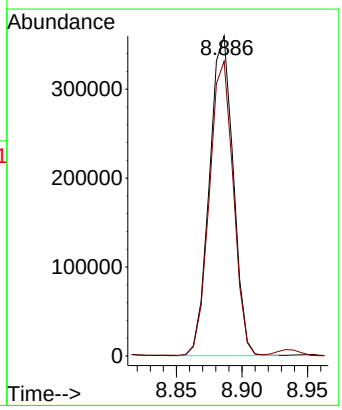


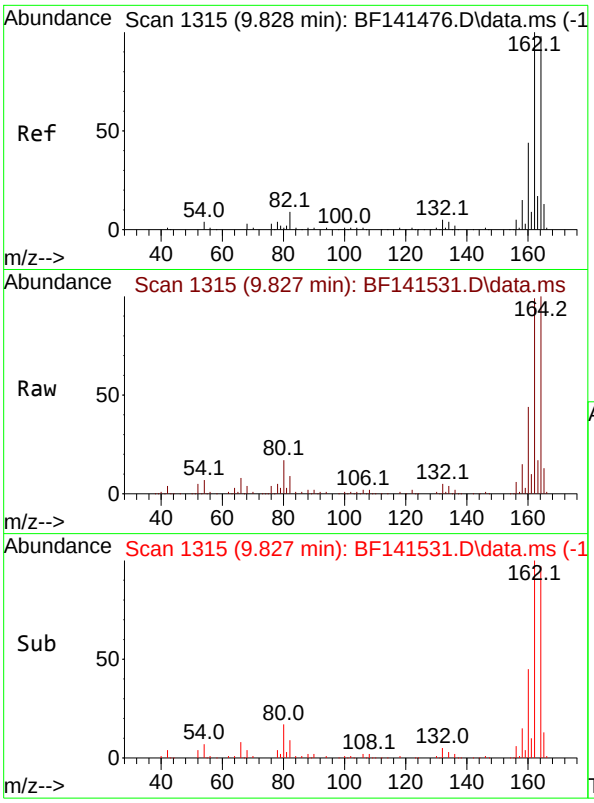




#38
1-Methylnaphthalene
Concen: 38.931 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:142 Resp: 454754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.1 | 72.1 | 108.1 |



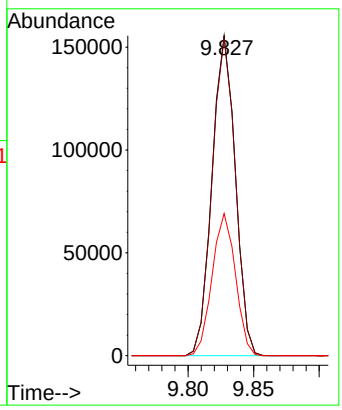


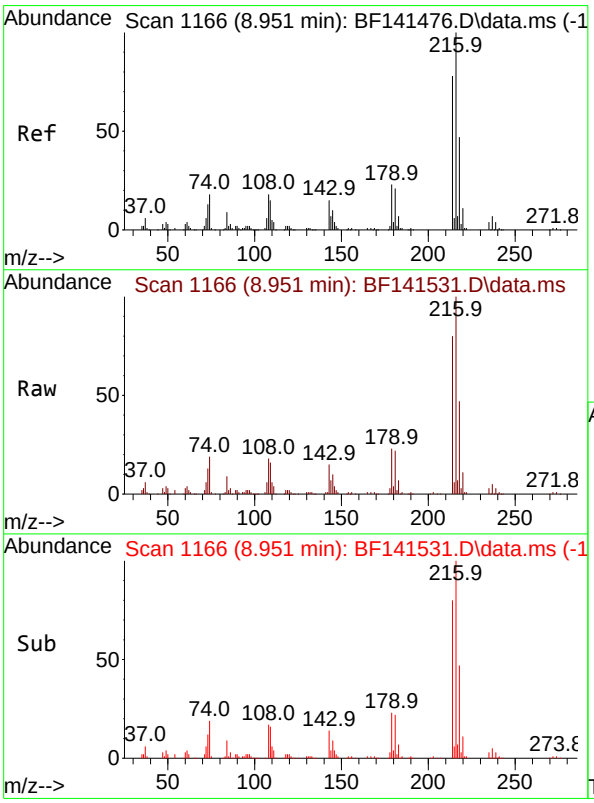

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:164 Resp: 192109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.1 | 81.3 | 121.9 |
| 160 | 44.4 | 35.9 | 53.9 |

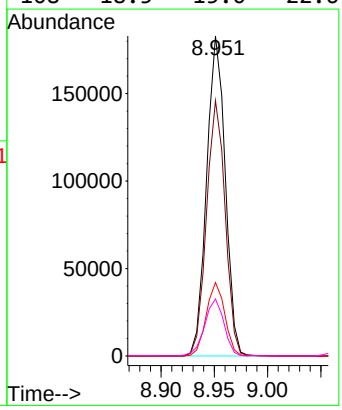


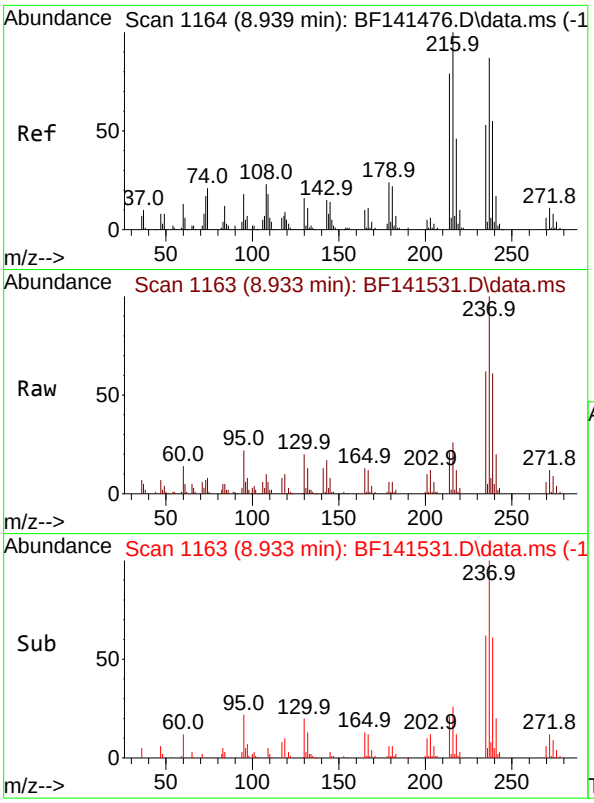




#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.116 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:216 Resp: 222962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.8 | 62.3 | 93.5 |
| 179 | 22.9 | 18.0 | 27.0 |
| 108 | 18.5 | 15.0 | 22.6 |



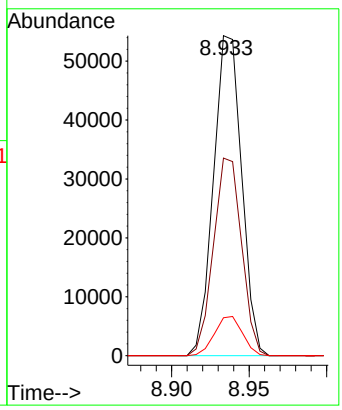


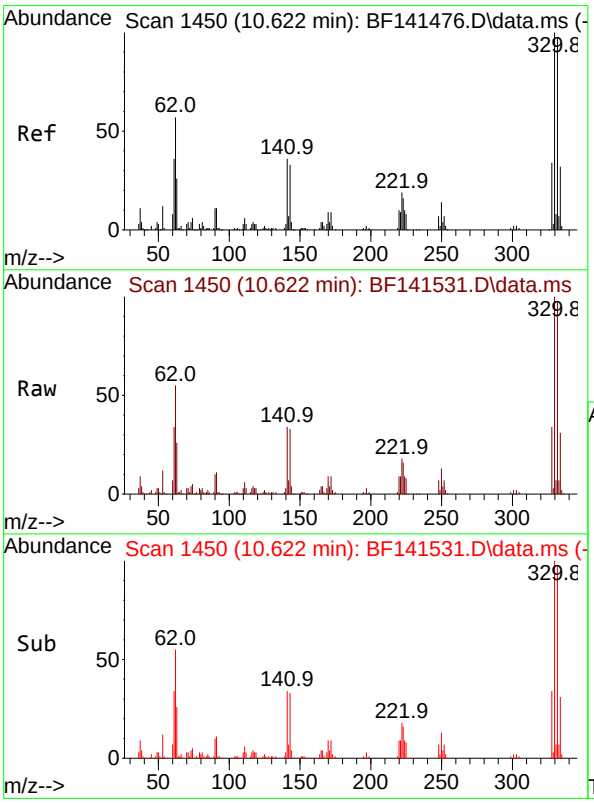

#41
Hexachlorocyclopentadiene
Concen: 37.172 ng
RT: 8.933 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:237 Resp: 68717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.7 | 41.4 | 81.4 |
| 272 | 11.9 | 0.0 | 32.4 |

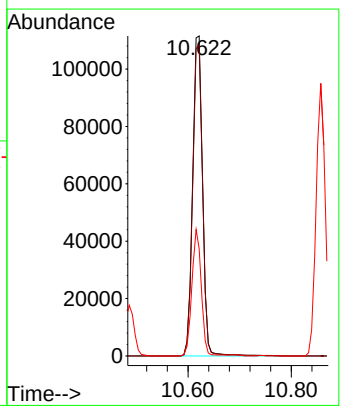


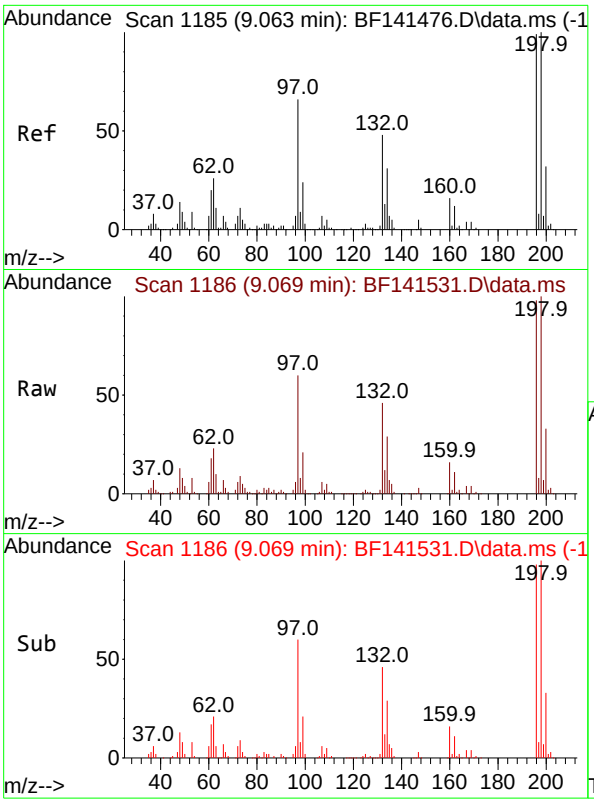




#42
2,4,6-Tribromophenol
Concen: 77.122 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:330 Resp: 148831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.0 | 78.5 | 117.7 |
| 141 | 37.5 | 31.0 | 46.4 |



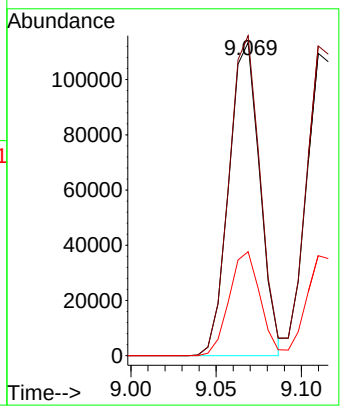


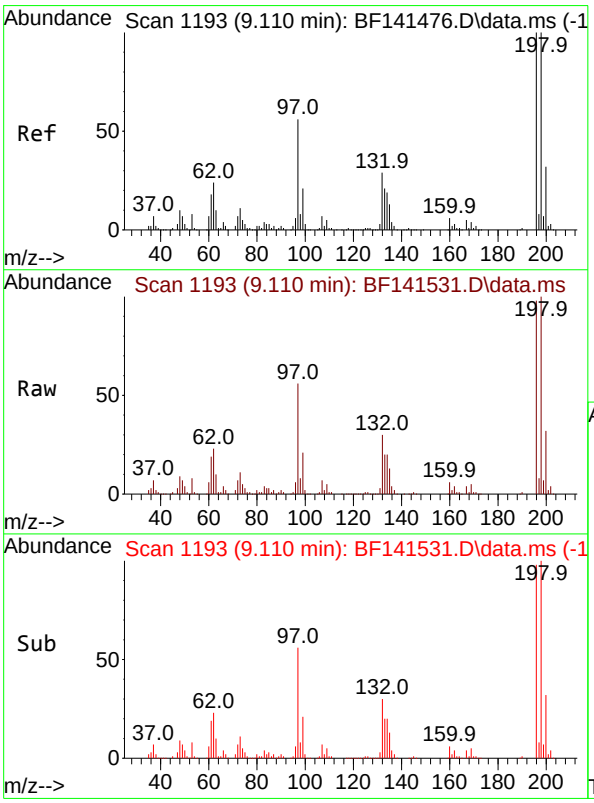

#43
2,4,6-Trichlorophenol
Concen: 39.950 ng
RT: 9.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:196 Resp: 143507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 102.2 | 80.6 | 121.0 |
| 200 | 33.2 | 25.5 | 38.3 |

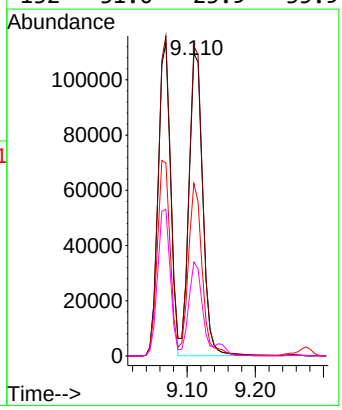


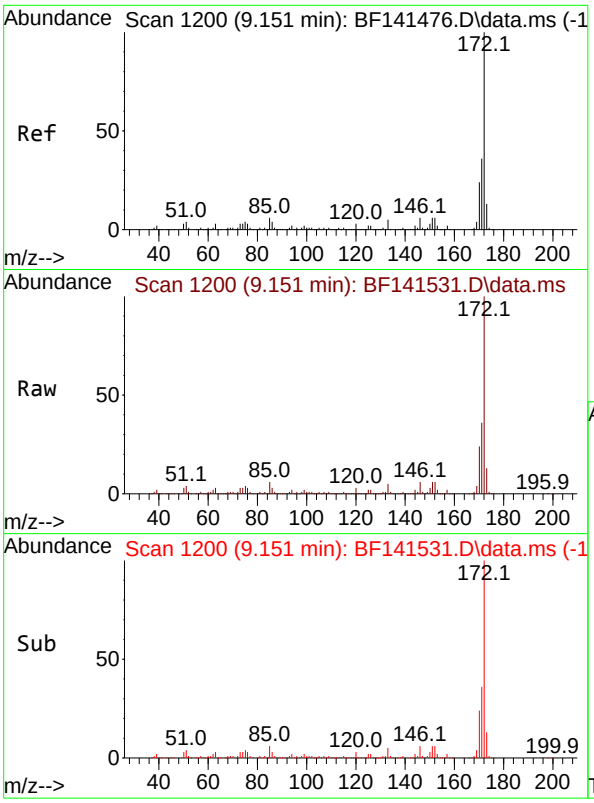




#44
2,4,5-Trichlorophenol
Concen: 39.281 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:196 Resp: 152923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 102.4 | 79.8 | 119.8 |
| 97 | 57.1 | 44.8 | 67.2 |
| 132 | 31.0 | 23.9 | 35.9 |



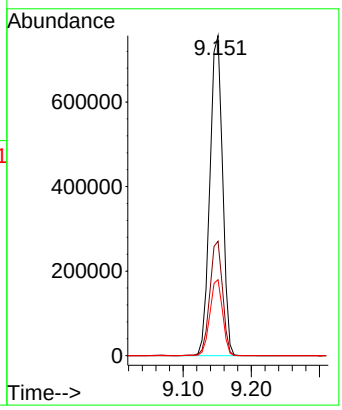


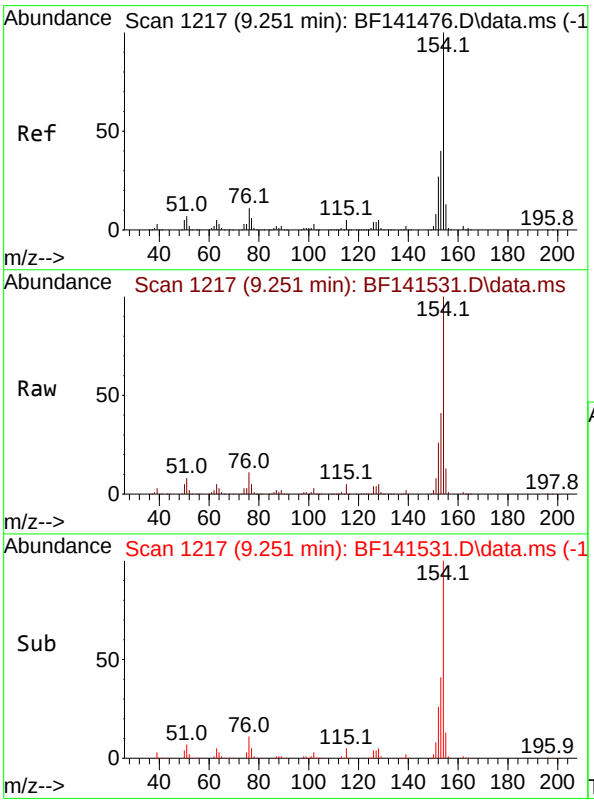

#45
2-Fluorobiphenyl
Concen: 78.674 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:172 Resp: 981012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.7 | 28.7 | 43.1 |
| 170 | 23.8 | 18.9 | 28.3 |

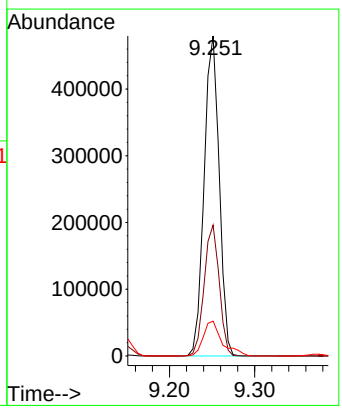


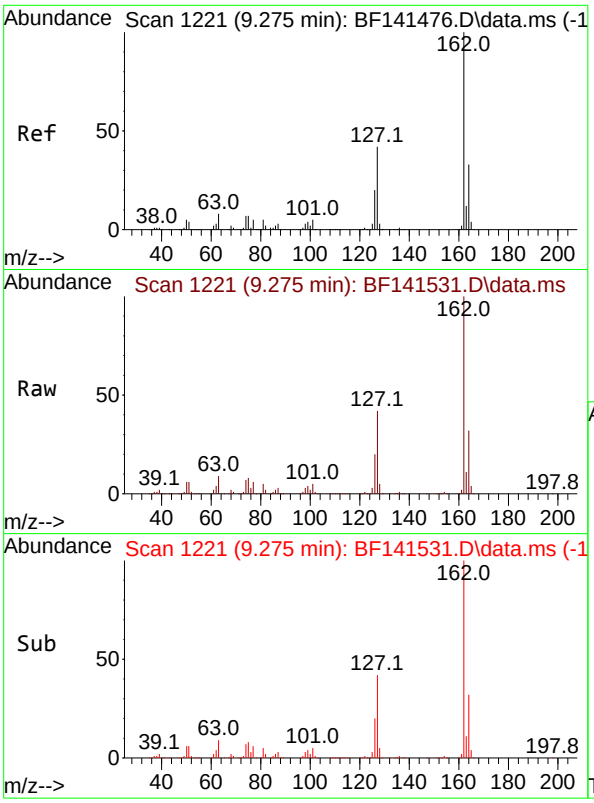




#46
1,1'-Biphenyl
Concen: 39.517 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:154 Resp: 588561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.9 | 20.4 | 60.4 |
| 76 | 10.9 | 0.0 | 30.8 |



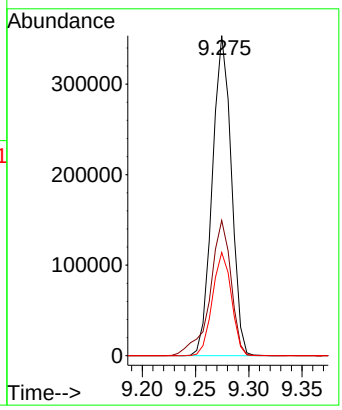


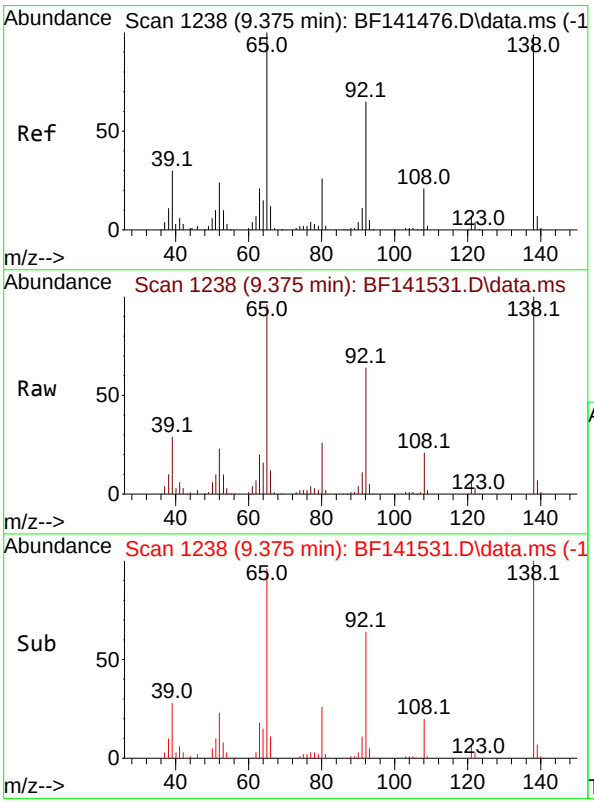

#47
2-Chloronaphthalene
Concen: 39.887 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 439299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.2 | 34.1 | 51.1 |
| 164 | 32.3 | 26.3 | 39.5 |

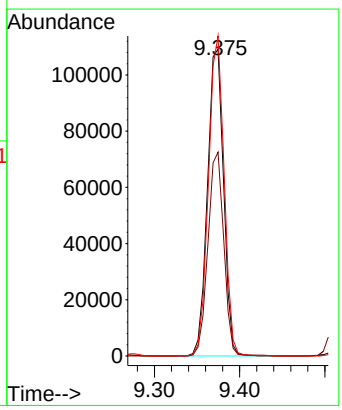


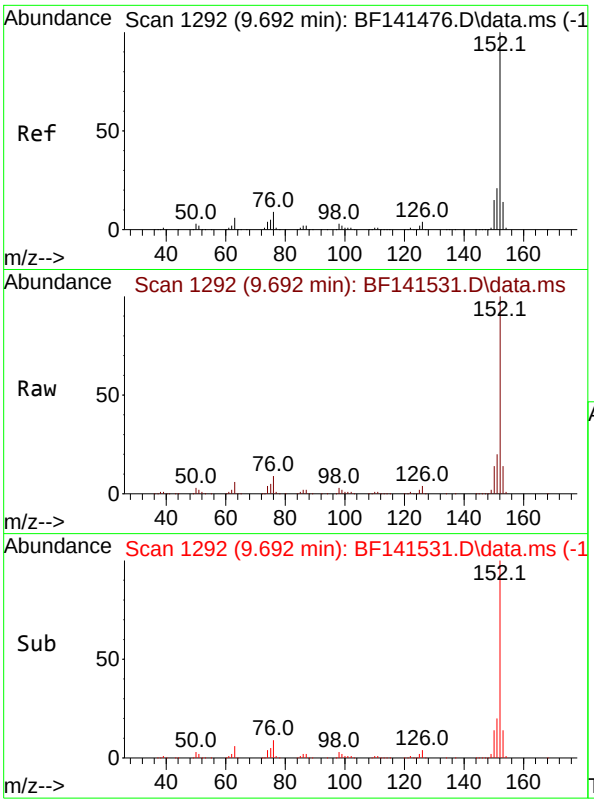




#48
2-Nitroaniline
Concen: 38.822 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 65 Resp: 143494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 66.4 | 52.2 | 78.2 |
| 138 | 104.3 | 79.5 | 119.3 |



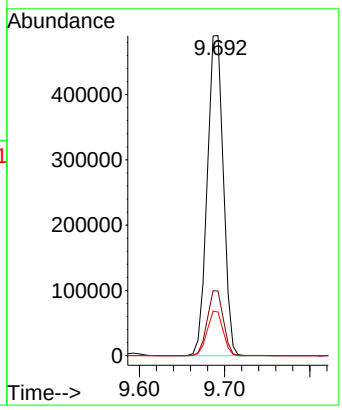


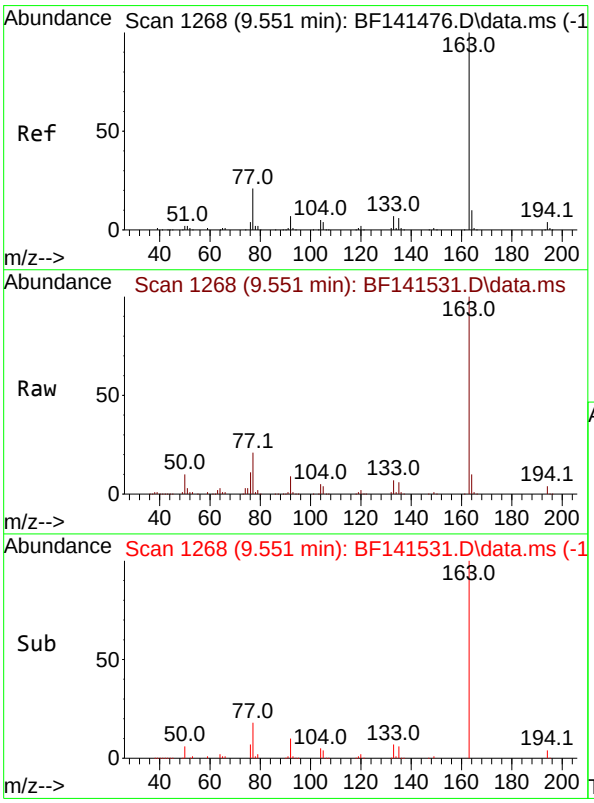

#49
Acenaphthylene
Concen: 39.253 ng
RT: 9.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 643014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 16.4 | 24.6 |
| 153 | 13.6 | 10.9 | 16.3 |

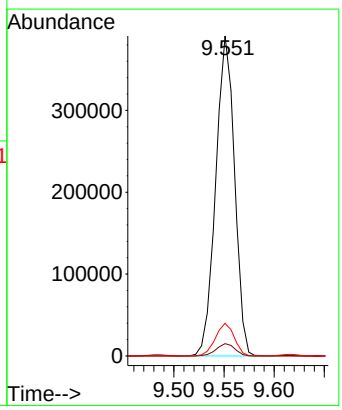


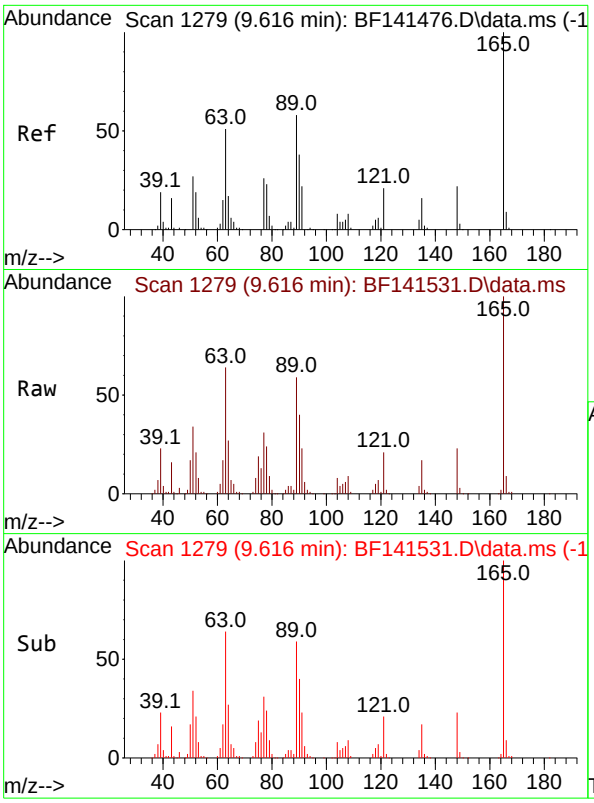




#50
Dimethylphthalate
Concen: 39.112 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:163 Resp: 510097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.0 | 4.4 |
| 164 | 10.2 | 7.9 | 11.9 |



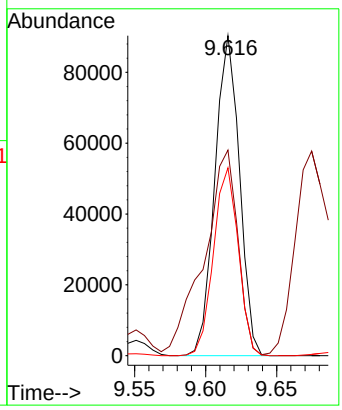


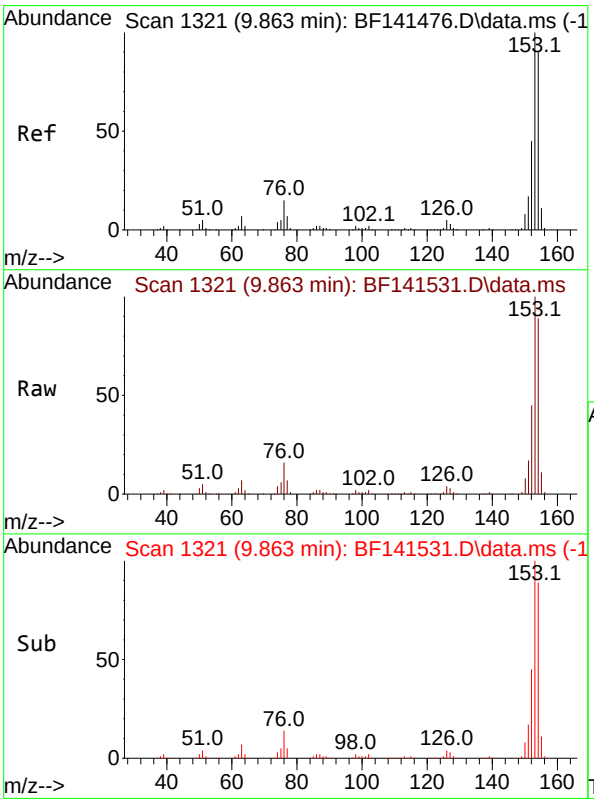

#51
2,6-Dinitrotoluene
Concen: 38.236 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 109011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 64.3 | 49.4 | 74.0 |
| 89 | 58.7 | 46.5 | 69.7 |

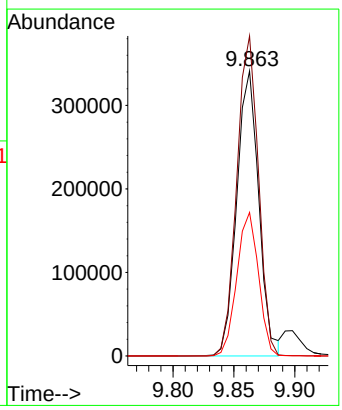


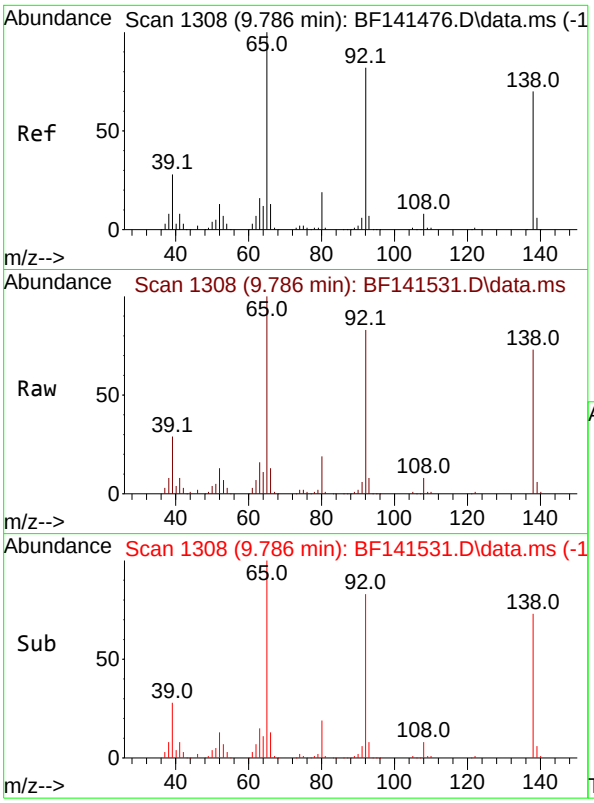




#52
Acenaphthene
Concen: 39.100 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:154 Resp: 430608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.3 | 89.2 | 133.8 |
| 152 | 50.3 | 39.8 | 59.8 |



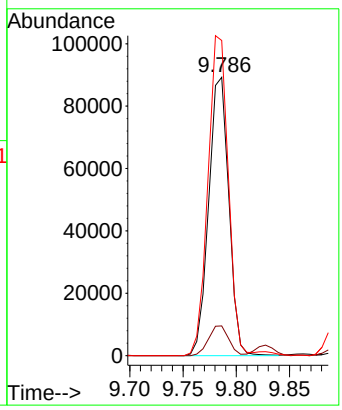


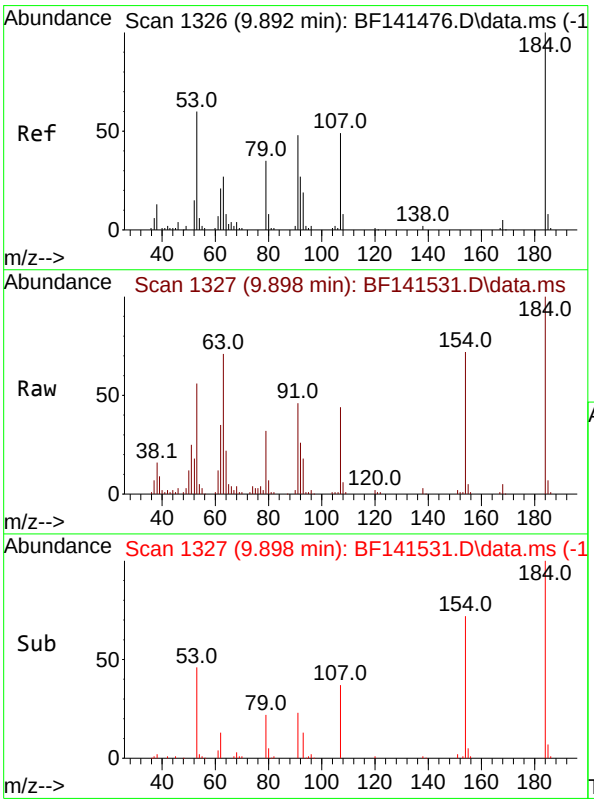

#53
3-Nitroaniline
Concen: 38.310 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:138 Resp: 117555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.7 | 9.0 | 13.4 |
| 92 | 113.2 | 93.7 | 140.5 |

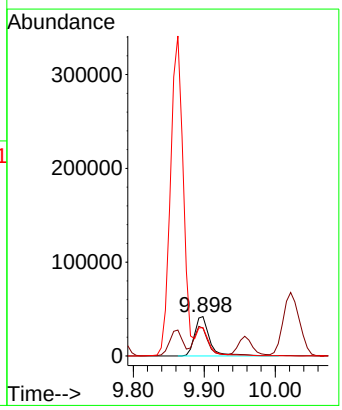


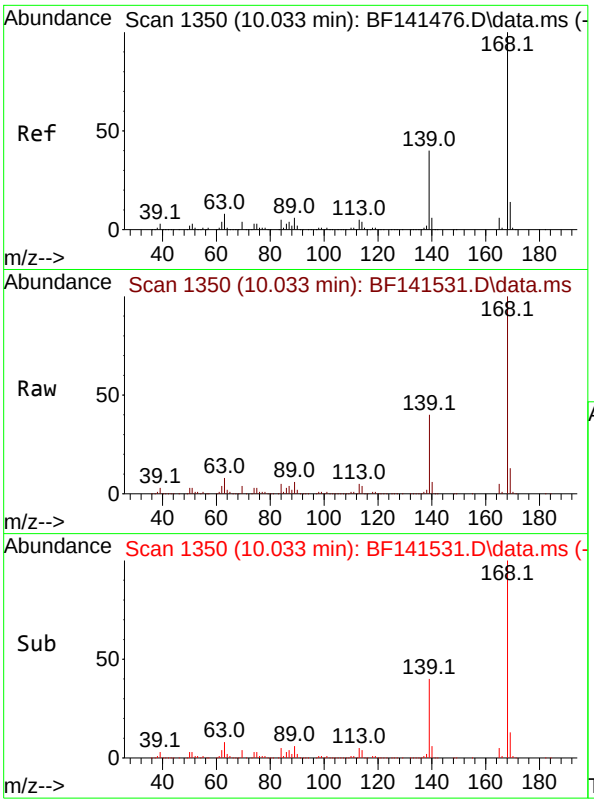




#54
2,4-Dinitrophenol
Concen: 36.647 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:184 Resp: 62096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 70.6 | 61.0 | 91.6 |
| 154 | 72.1 | 59.9 | 89.9 |



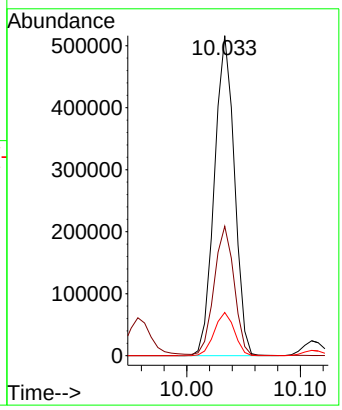


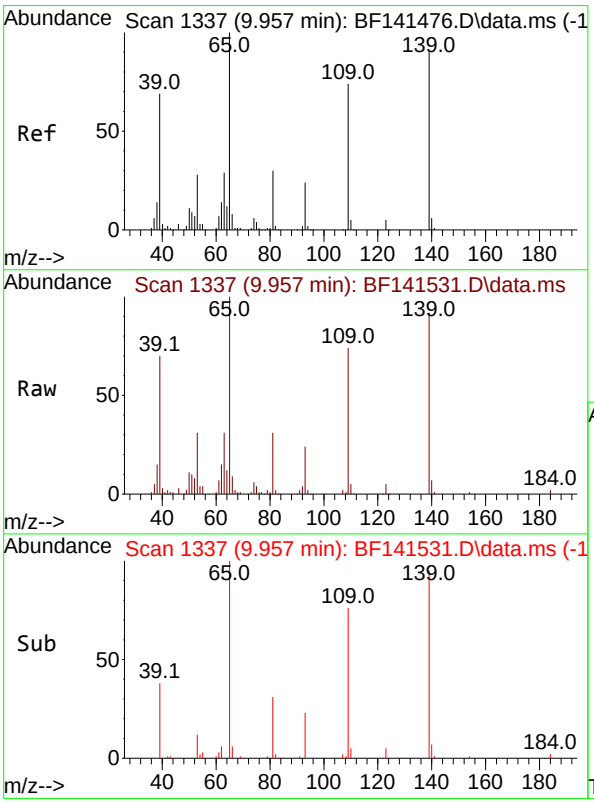

#55
Dibenzofuran
Concen: 39.157 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:168 Resp: 632974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.5 | 32.7 | 49.1 |
| 169 | 13.5 | 10.8 | 16.2 |

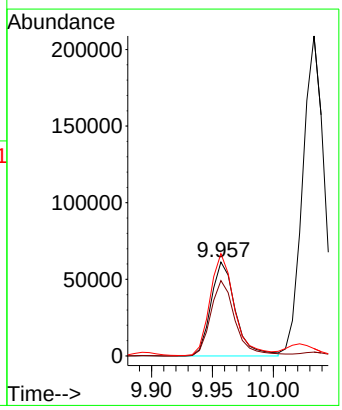


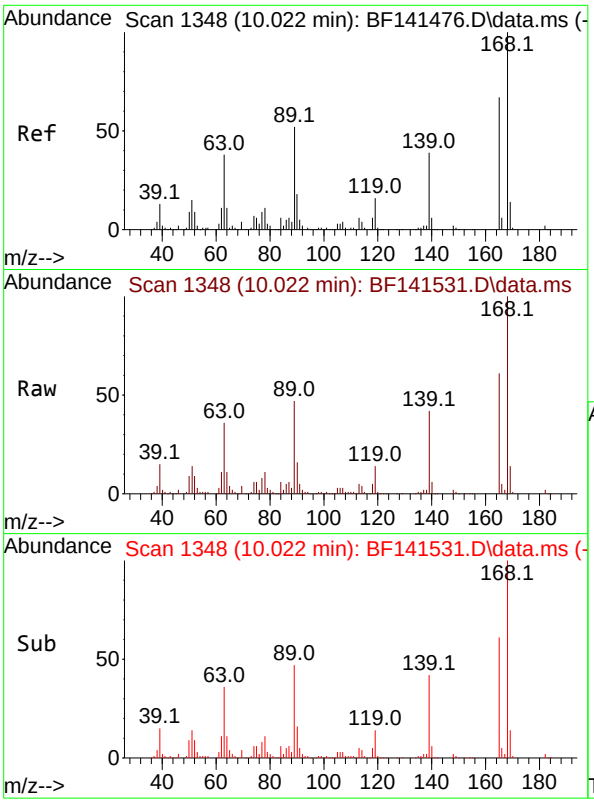




#56
4-Nitrophenol
Concen: 37.656 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:139 Resp: 85776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 80.2 | 62.0 | 102.0 |
| 65 | 109.0 | 91.2 | 131.2 |



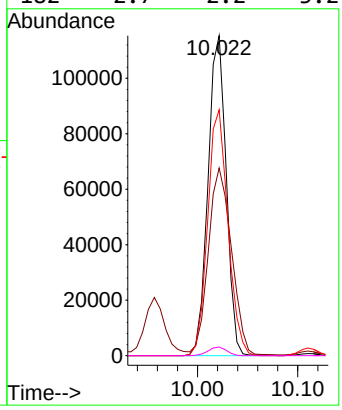


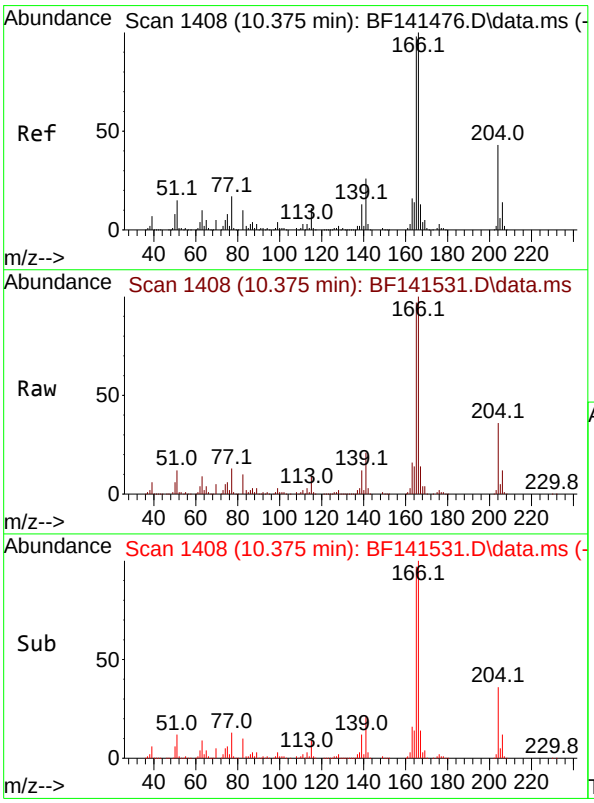

#57
2,4-Dinitrotoluene
Concen: 38.351 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 145558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 58.6 | 46.4 | 69.6 |
| 89 | 76.9 | 61.8 | 92.6 |
| 182 | 2.7 | 2.2 | 3.2 |

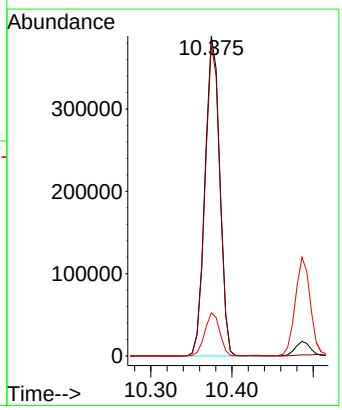


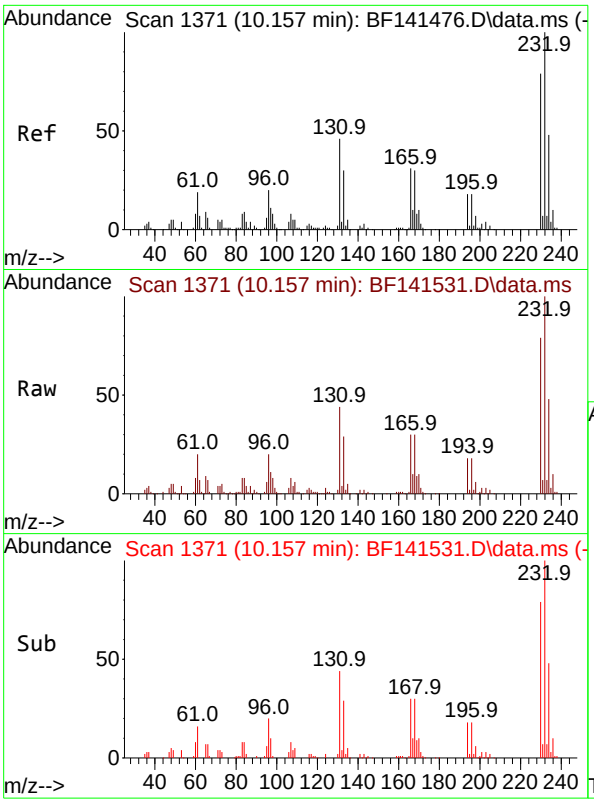




#58
Fluorene
Concen: 39.202 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:166 Resp: 489982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.4 | 78.2 | 117.2 |
| 167 | 13.5 | 10.7 | 16.1 |



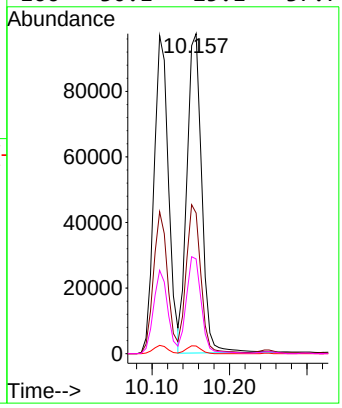


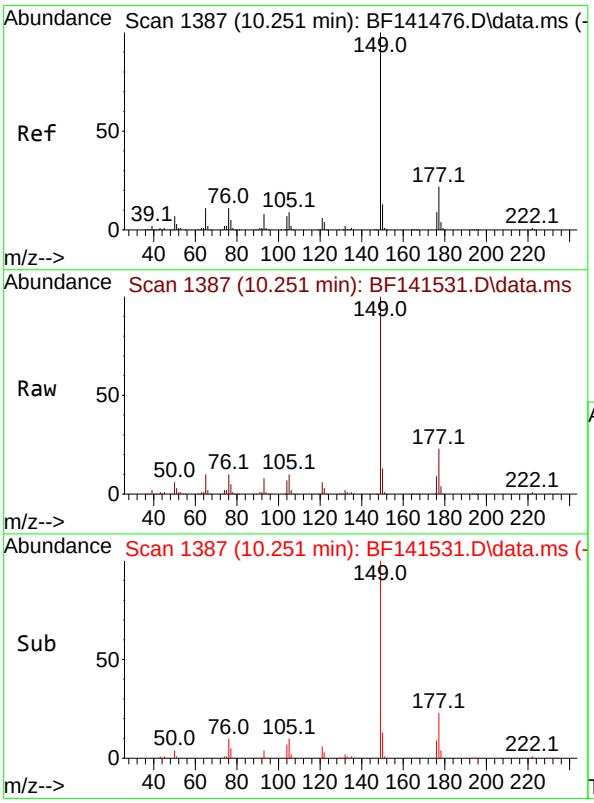

#59
2,3,4,6-Tetrachlorophenol
Concen: 38.428 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:232 Resp: 128800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.2 | 39.2 | 58.8 |
| 130 | 2.5 | 2.1 | 3.1 |
| 166 | 30.1 | 25.1 | 37.7 |

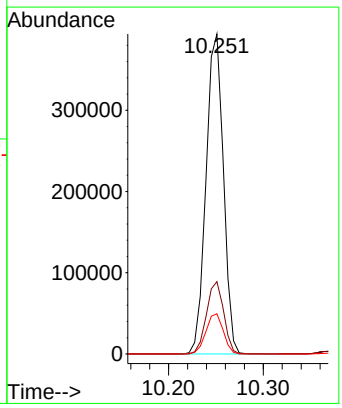


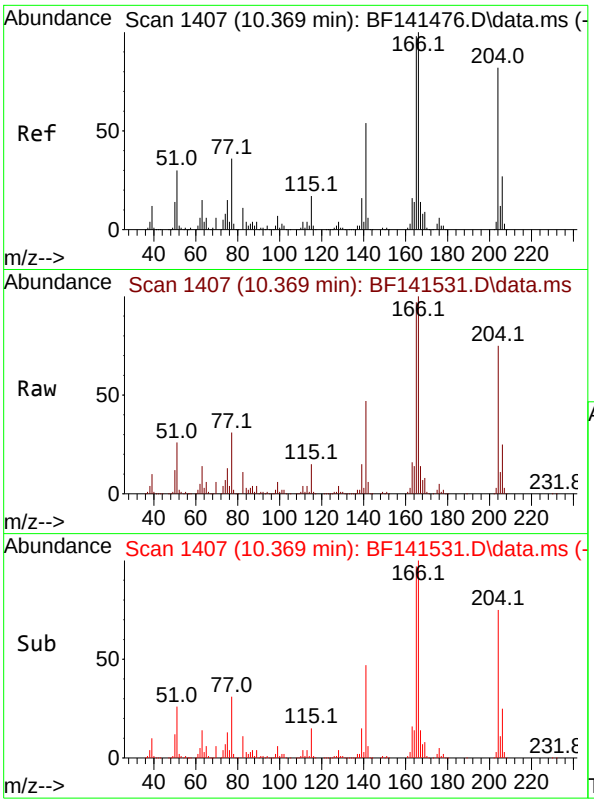




#60
Diethylphthalate
Concen: 39.149 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:149 Resp: 502338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.6 | 17.8 | 26.6 |
| 150 | 12.5 | 10.1 | 15.1 |



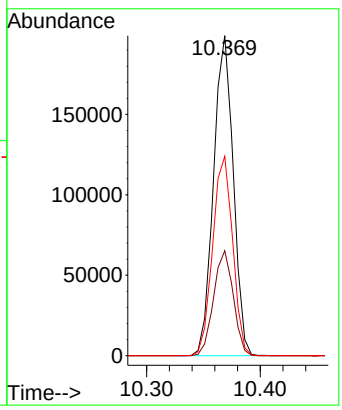


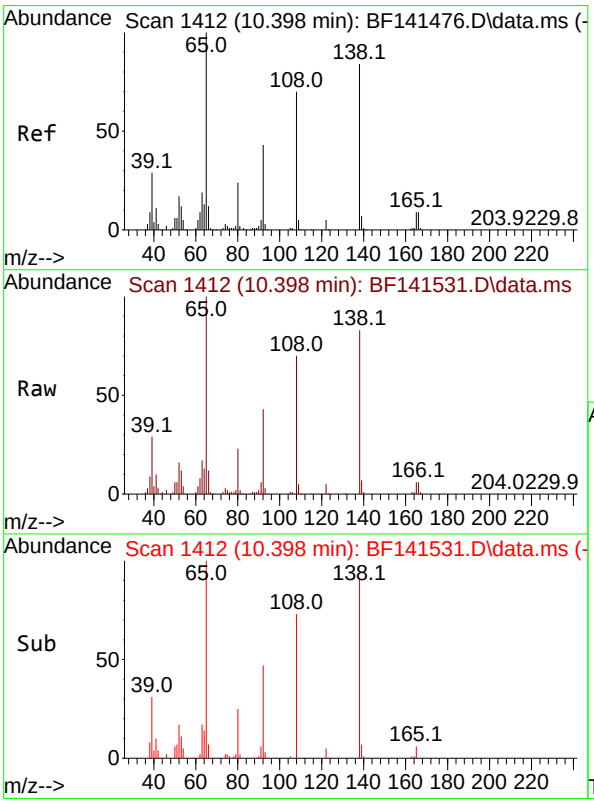

#61
4-Chlorophenyl-phenylether
Concen: 39.967 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:204 Resp: 240325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.8 | 26.6 | 40.0 |
| 141 | 62.3 | 51.9 | 77.9 |

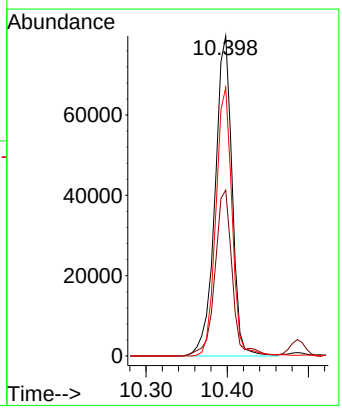


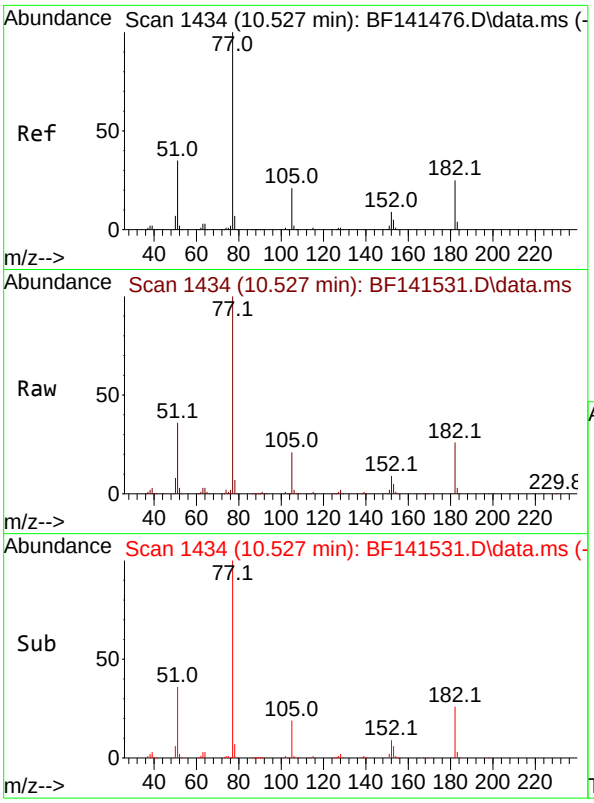




#62
4-Nitroaniline
Concen: 37.408 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:138 Resp: 116557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.8 | 31.3 | 71.3 |
| 108 | 83.9 | 63.7 | 103.7 |



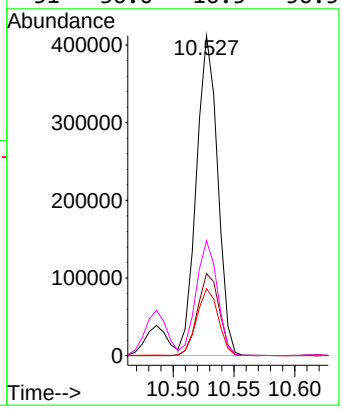


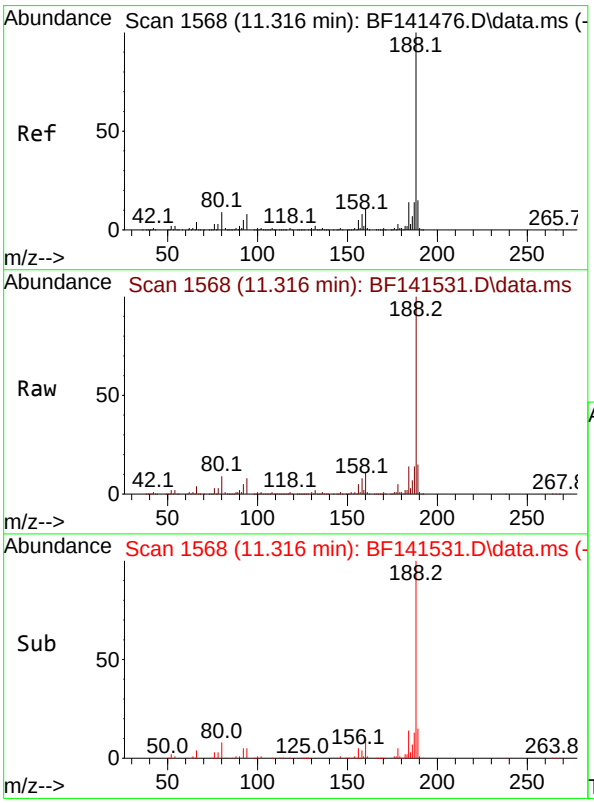

#63
Azobenzene
Concen: 39.338 ng
RT: 10.527 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 501802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.7 | 4.7 | 44.7 |
| 105 | 21.0 | 0.4 | 40.4 |
| 51 | 36.0 | 16.5 | 56.5 |

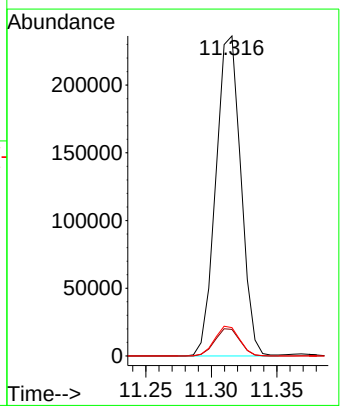


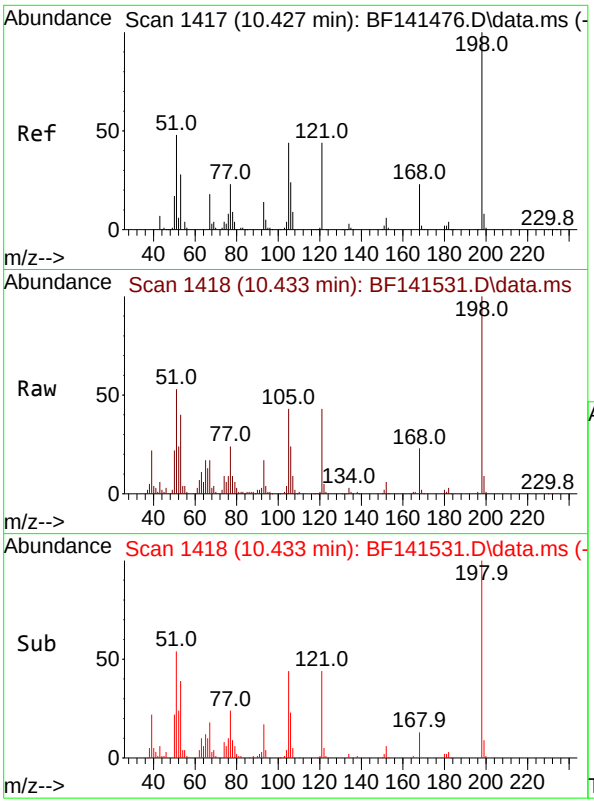




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:188 Resp: 313129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.3 | 6.6 | 10.0 |
| 80 | 8.9 | 7.3 | 10.9 |



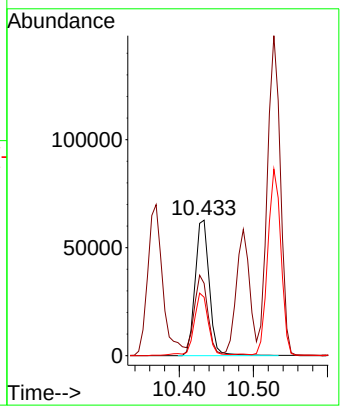


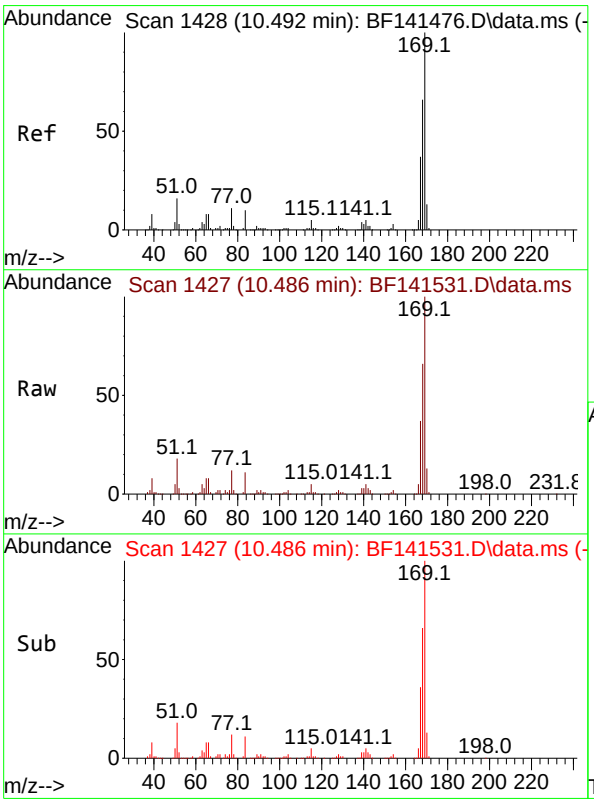

#65
4,6-Dinitro-2-methylphenol
Concen: 38.398 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:198 Resp: 83522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 53.3 | 37.4 | 77.4 |
| 105 | 43.1 | 25.2 | 65.2 |

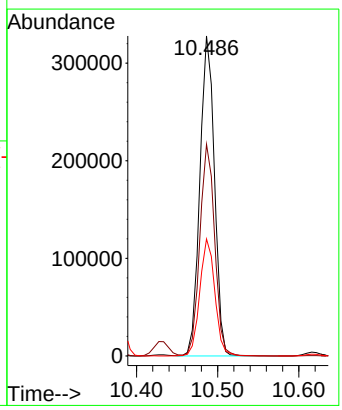


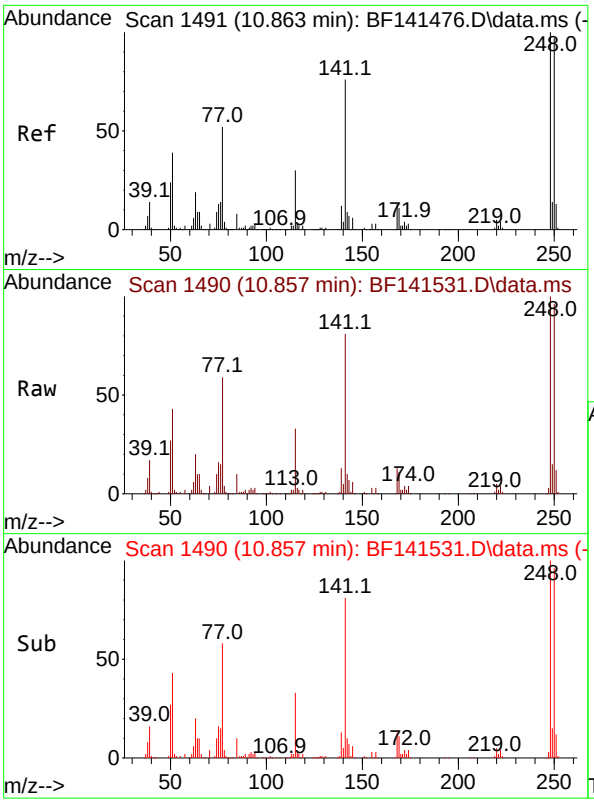




#66
n-Nitrosodiphenylamine
Concen: 40.759 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:169 Resp: 408555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.1 | 53.3 | 79.9 |
| 167 | 36.6 | 29.4 | 44.2 |



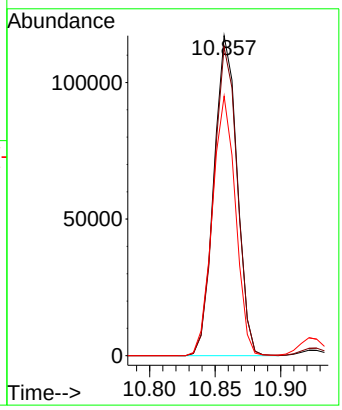


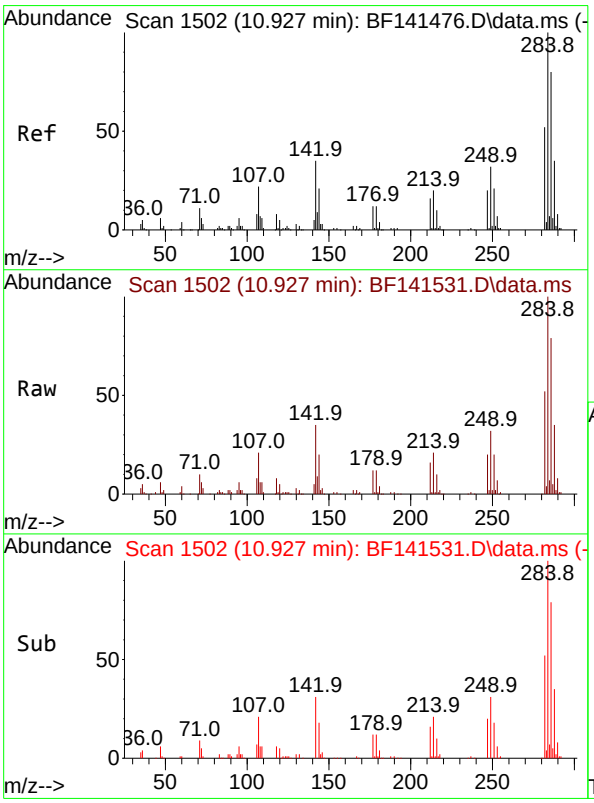

#67
4-Bromophenyl-phenylether
Concen: 41.197 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:248 Resp: 144175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.5 | 77.8 | 116.6 |
| 141 | 81.1 | 60.6 | 90.8 |

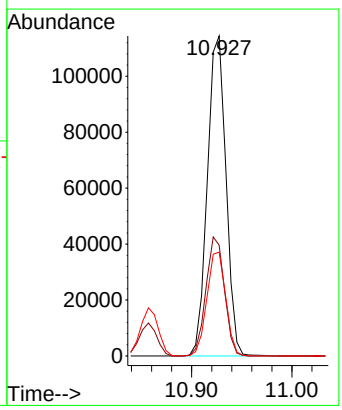


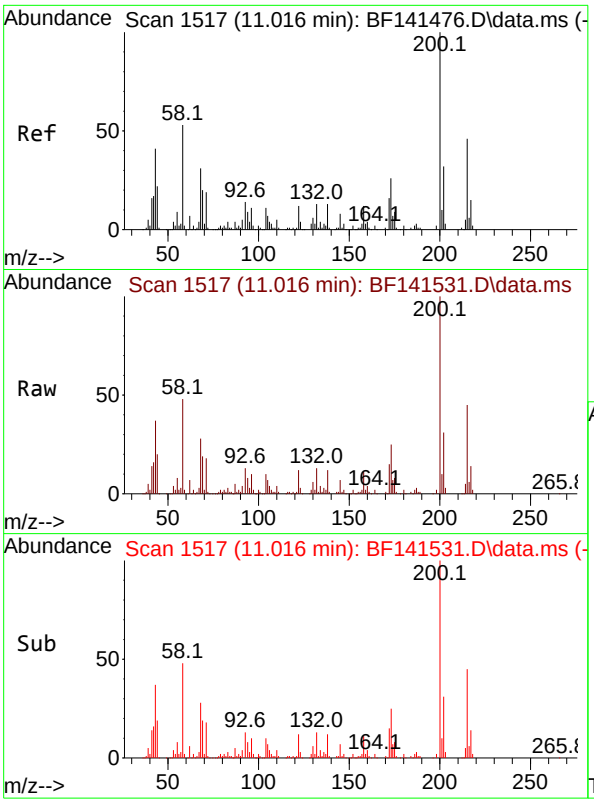




#68
Hexachlorobenzene
Concen: 40.874 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:284 Resp: 147297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.6 | 28.0 | 42.0 |
| 249 | 32.5 | 25.8 | 38.8 |



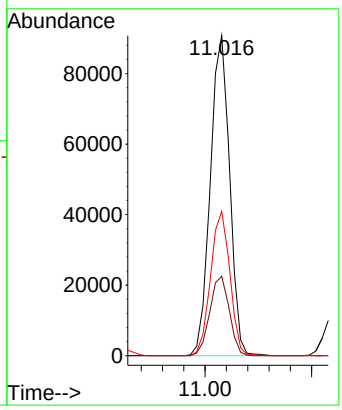


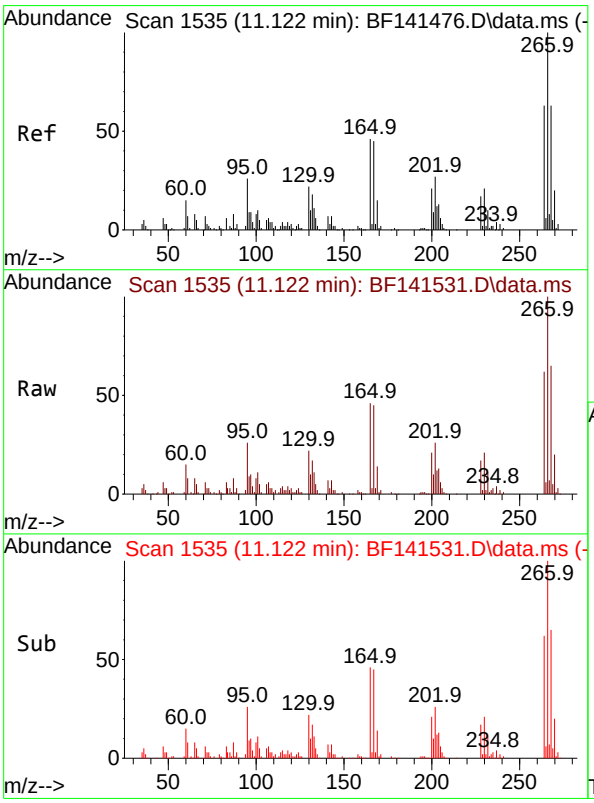

#69
Atrazine
Concen: 37.940 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:200 Resp: 114088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 24.8 | 5.9 | 45.9 |
| 215 | 45.1 | 25.9 | 65.9 |

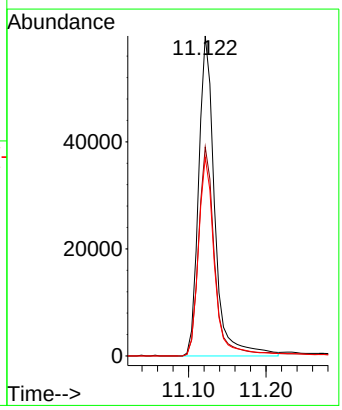


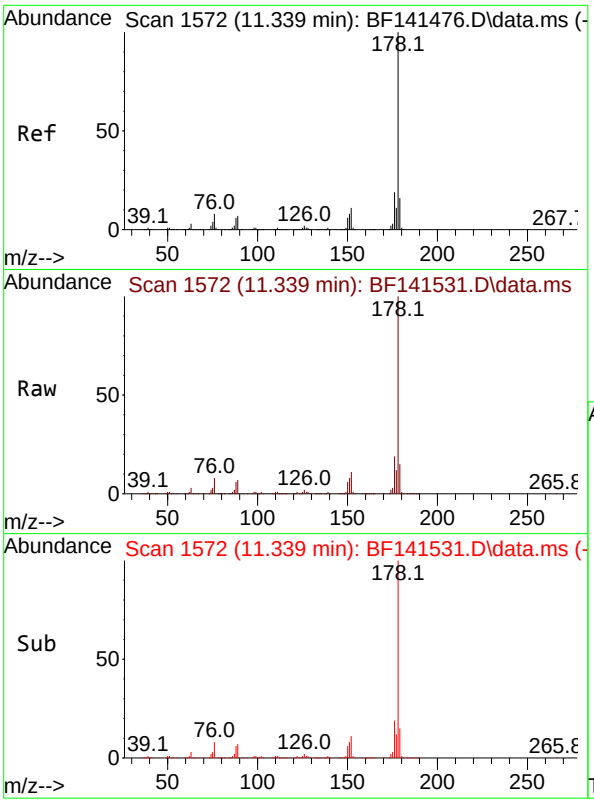




#70
Pentachlorophenol
Concen: 37.449 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:266 Resp: 86291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 65.3 | 50.1 | 75.1 |
| 264 | 62.1 | 50.1 | 75.1 |



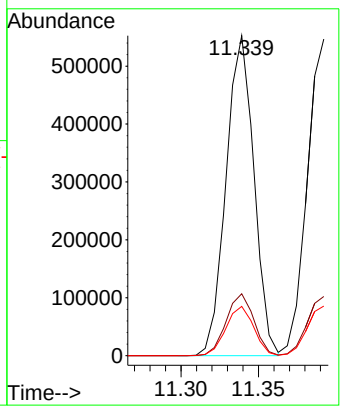


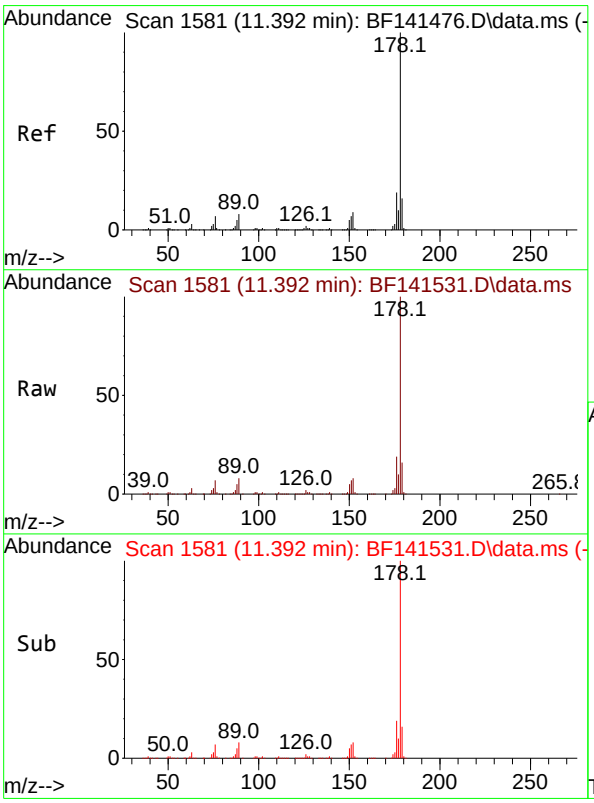

#71
Phenanthrene
Concen: 40.095 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:178 Resp: 691100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.4 | 23.0 |
| 179 | 15.4 | 12.4 | 18.6 |

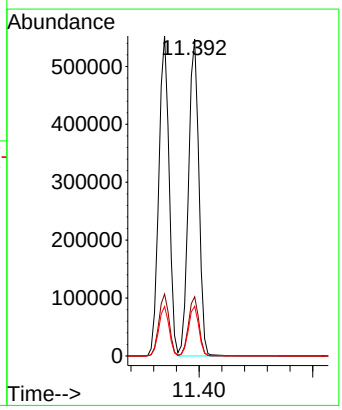


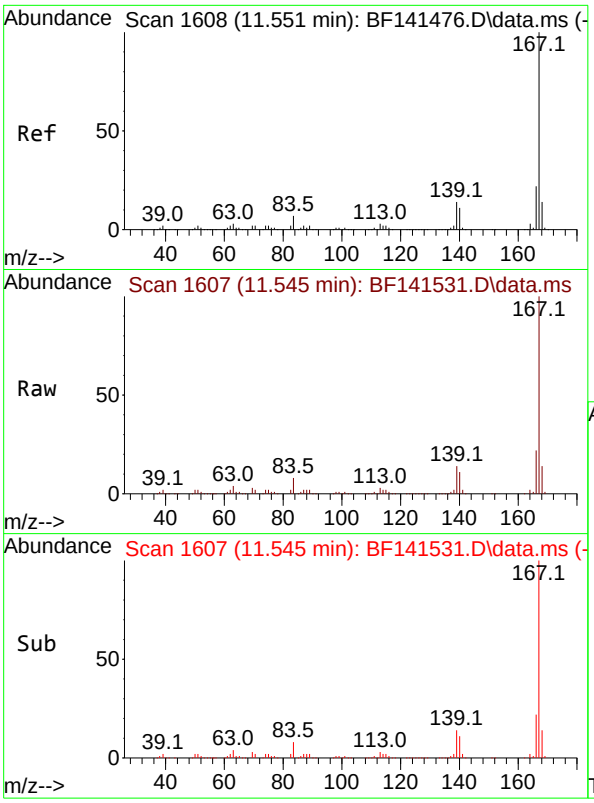




#72
Anthracene
Concen: 40.071 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:178 Resp: 694305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 14.8 | 22.2 |
| 179 | 15.7 | 12.4 | 18.6 |



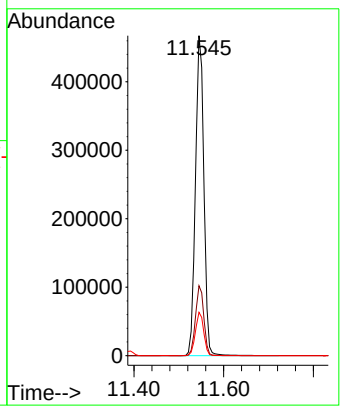


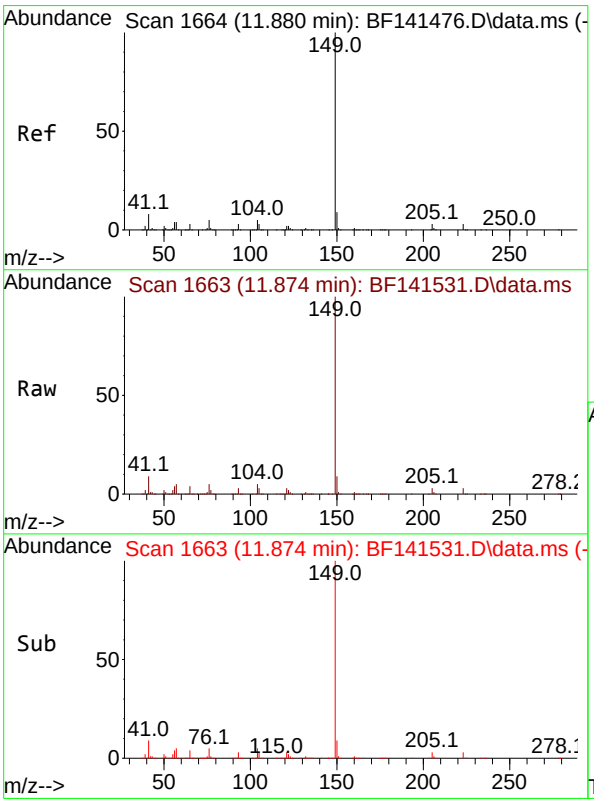

#73
Carbazole
Concen: 39.007 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:167 Resp: 608137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.9 | 17.4 | 26.2 |
| 139 | 13.5 | 10.9 | 16.3 |

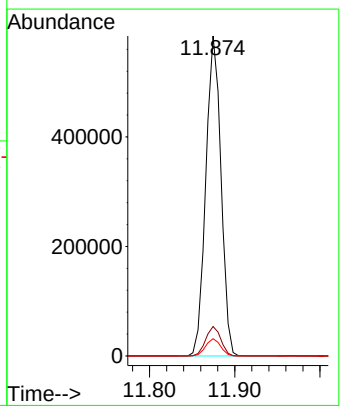


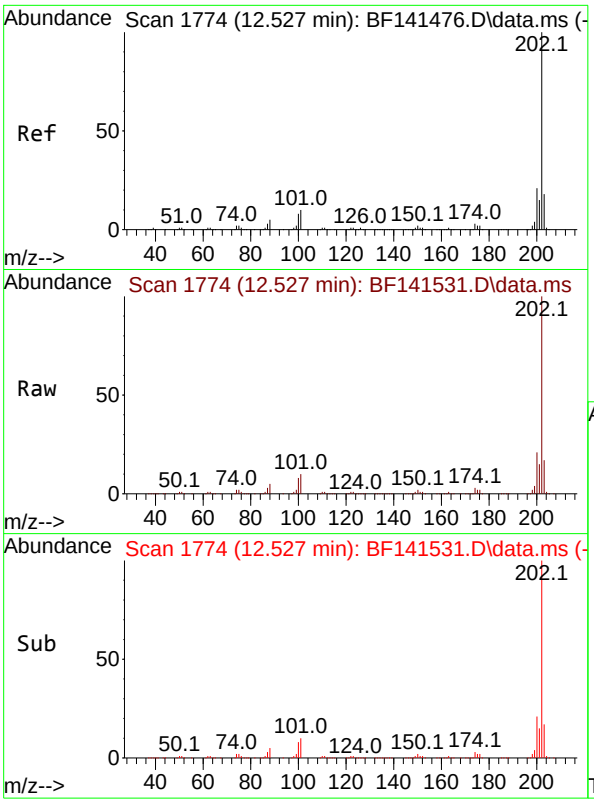




#74
Di-n-butylphthalate
Concen: 40.113 ng
RT: 11.874 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:149 Resp: 722112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.4 | 11.0 |
| 104 | 5.4 | 4.2 | 6.2 |



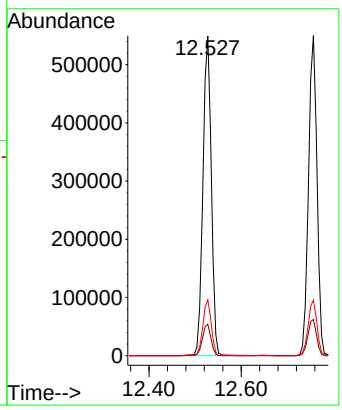


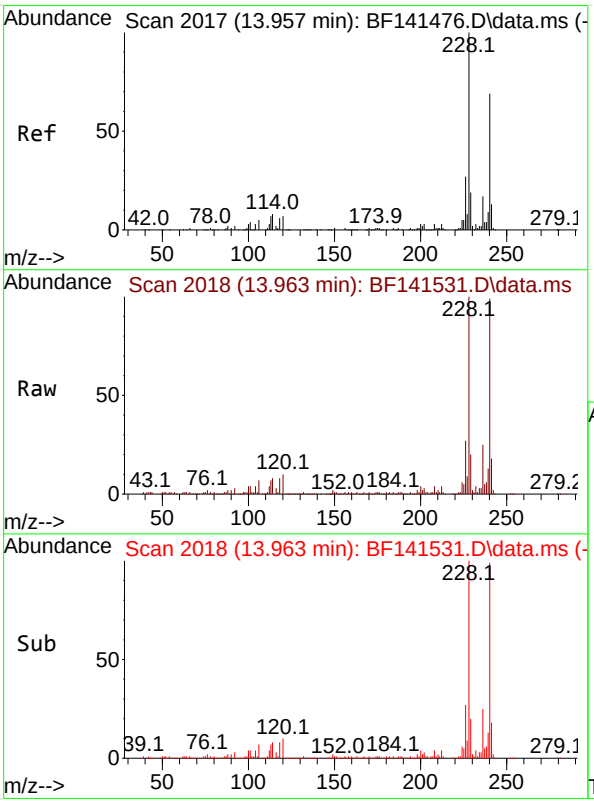

#75
Fluoranthene
Concen: 38.350 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:202 Resp: 700802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.8 | 0.0 | 30.2 |
| 203 | 17.4 | 0.0 | 37.6 |

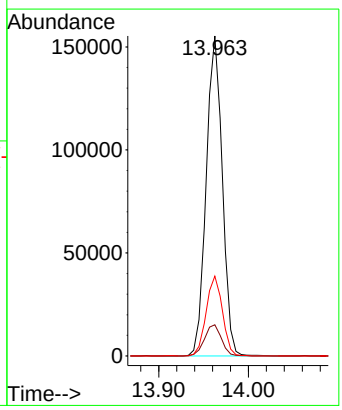


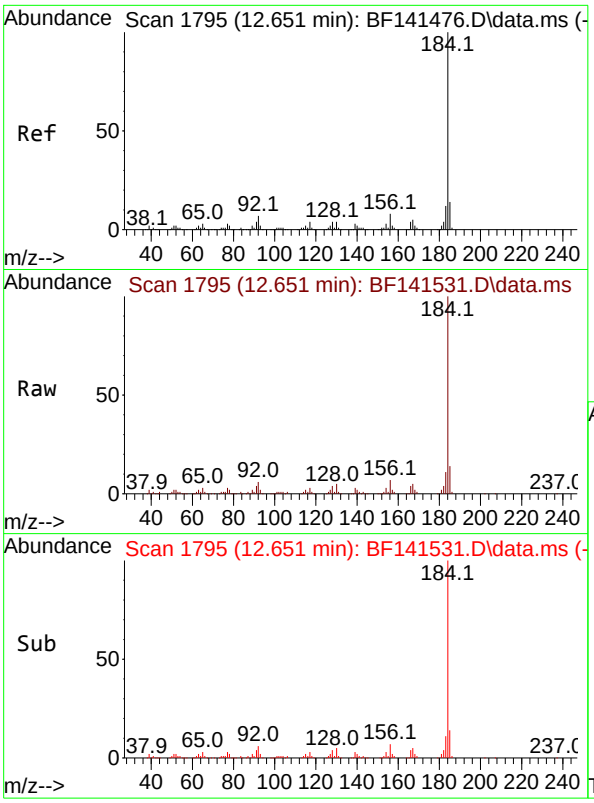




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:240 Resp: 193608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.8 | 8.0 | 12.0 |
| 236 | 24.9 | 19.8 | 29.8 |



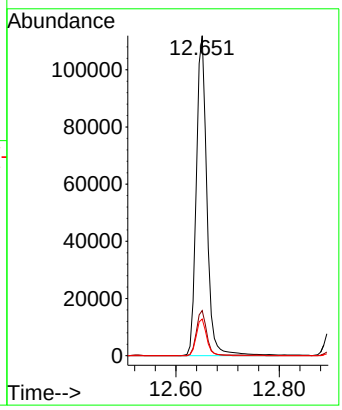


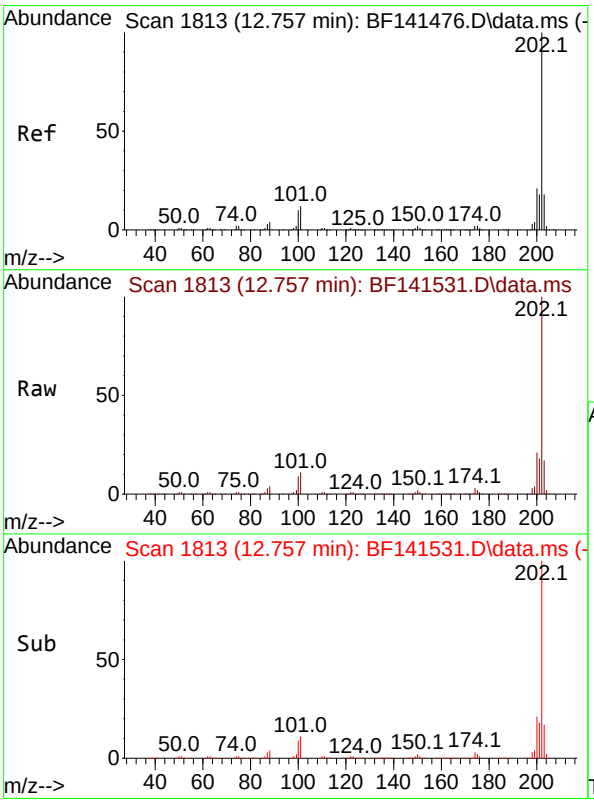

#77
Benzidine
Concen: 37.236 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:184 Resp: 158992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.1 | 11.3 | 16.9 |
| 183 | 11.5 | 9.3 | 13.9 |

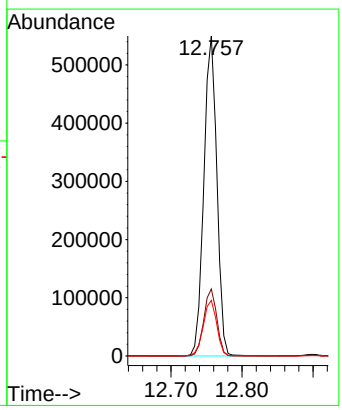


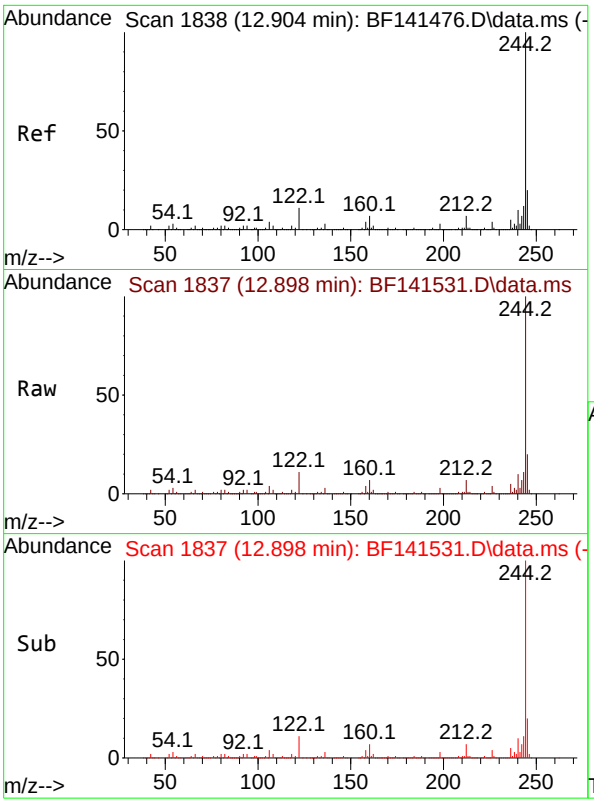




#78
Pyrene
Concen: 42.509 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:202 Resp: 700603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 17.0 | 25.4 |
| 203 | 17.4 | 14.3 | 21.5 |



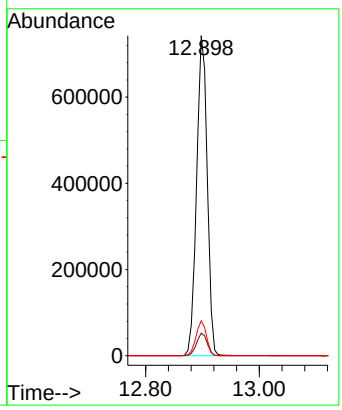


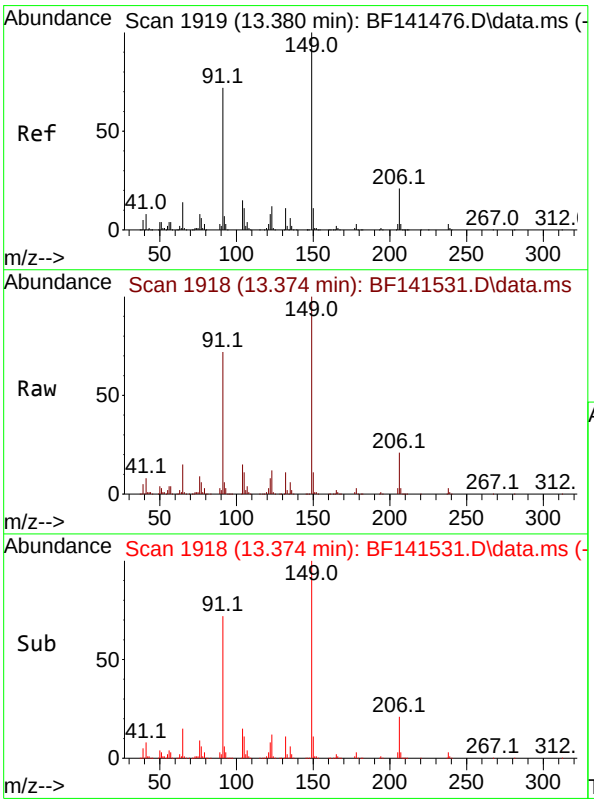

#79
Terphenyl-d14
Concen: 84.606 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:244 Resp: 970304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.6 | 8.4 |
| 122 | 10.9 | 8.4 | 12.6 |

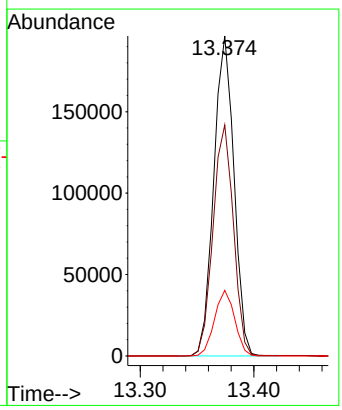


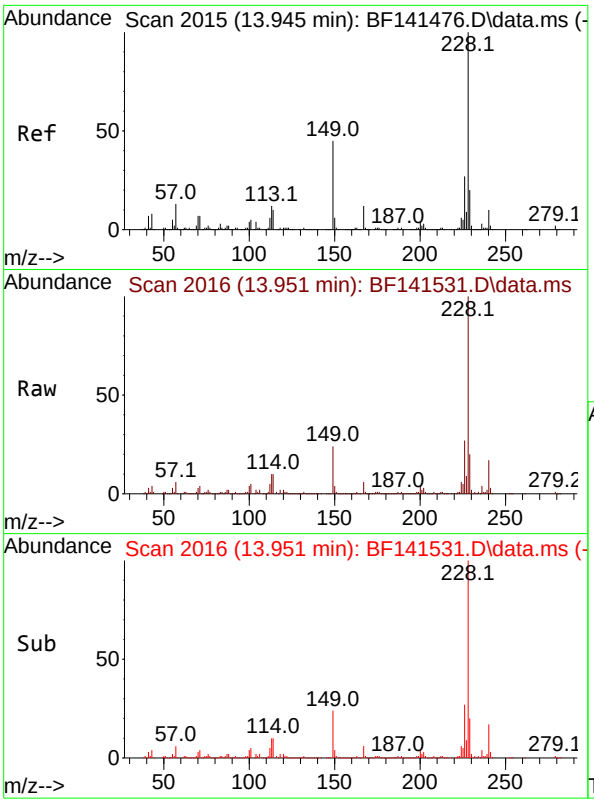




#80
Butylbenzylphthalate
Concen: 42.551 ng
RT: 13.374 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:149 Resp: 242906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.2 | 57.8 | 86.8 |
| 206 | 20.5 | 16.7 | 25.1 |



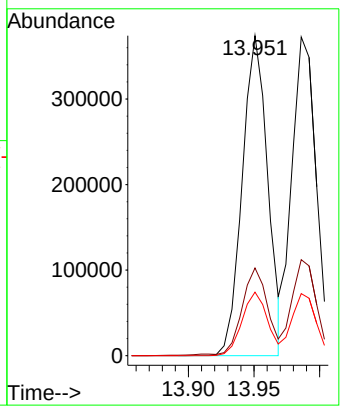


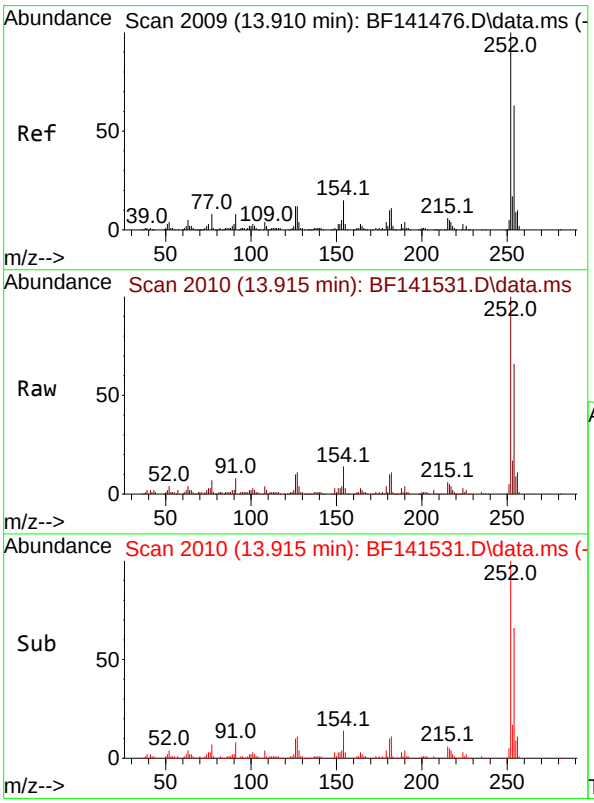

#81
Benzo(a)anthracene
Concen: 39.246 ng
RT: 13.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 505085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 21.8 | 32.8 |
| 229 | 19.9 | 15.8 | 23.6 |

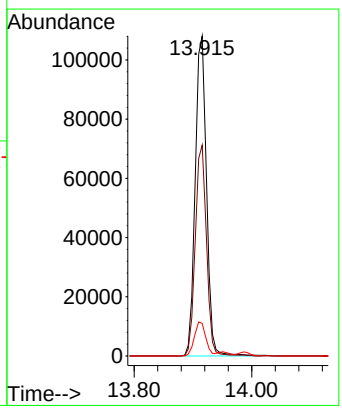


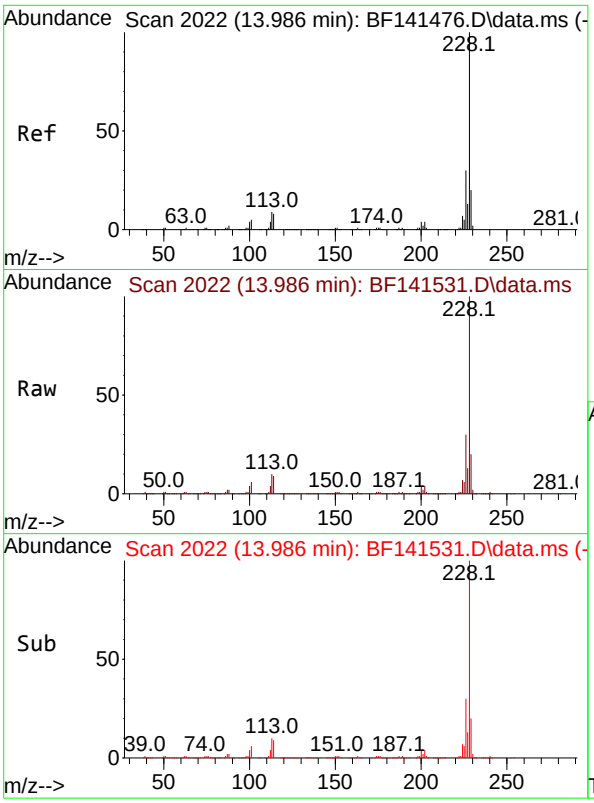




#82
3,3'-Dichlorobenzidine
Concen: 39.165 ng
RT: 13.915 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:252 Resp: 144386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.9 | 50.6 | 76.0 |
| 126 | 10.1 | 9.3 | 13.9 |



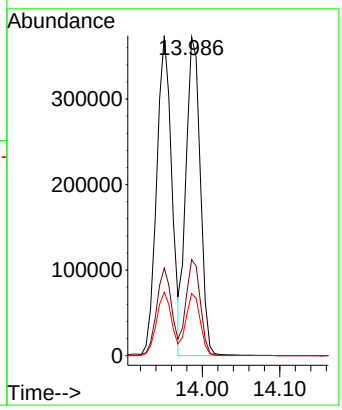


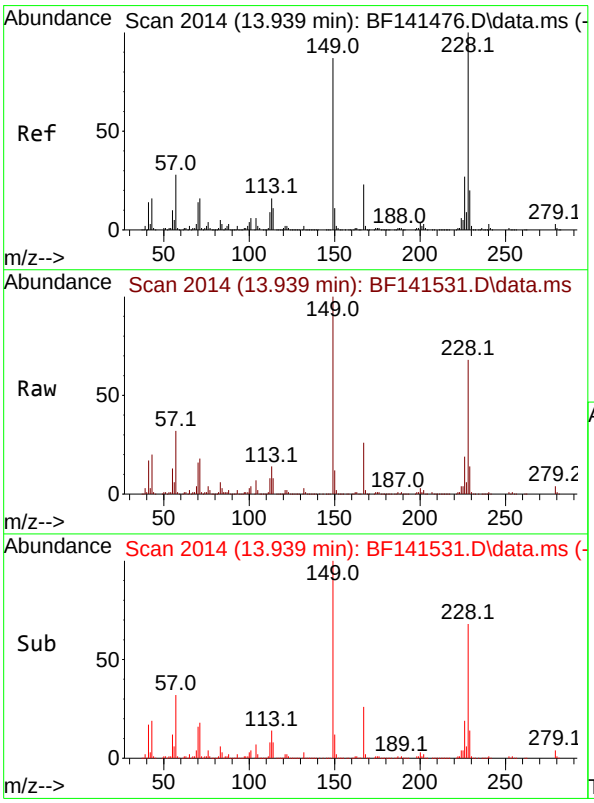

#83
Chrysene
Concen: 40.265 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 478477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.0 | 36.0 |
| 229 | 19.5 | 15.7 | 23.5 |

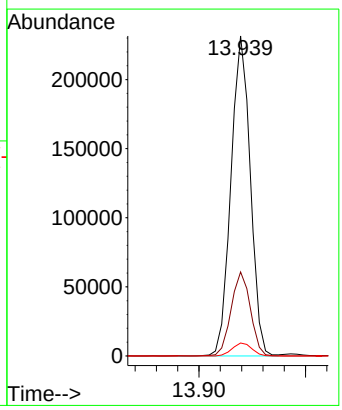


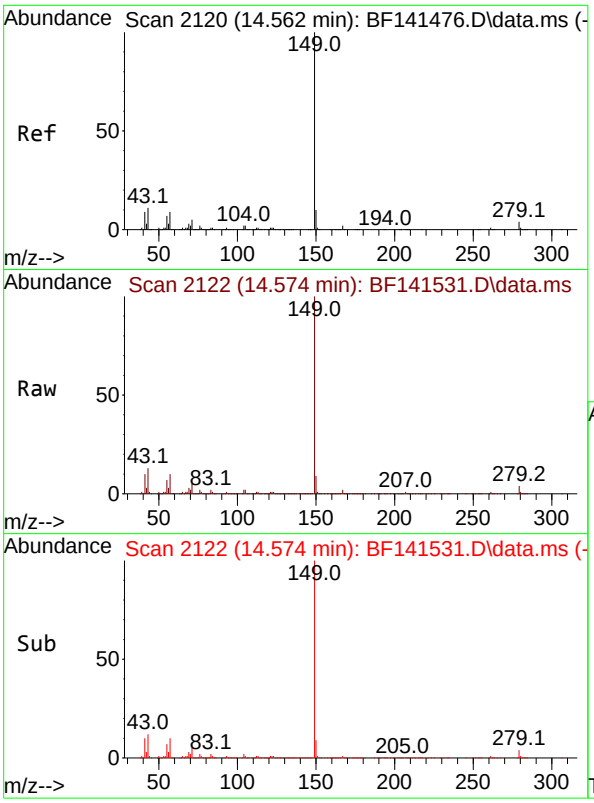




#84
Bis(2-ethylhexyl)phthalate
Concen: 45.402 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:149 Resp: 292322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.2 | 21.4 | 32.0 |
| 279 | 4.1 | 3.1 | 4.7 |



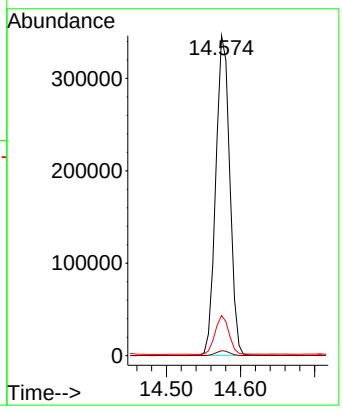


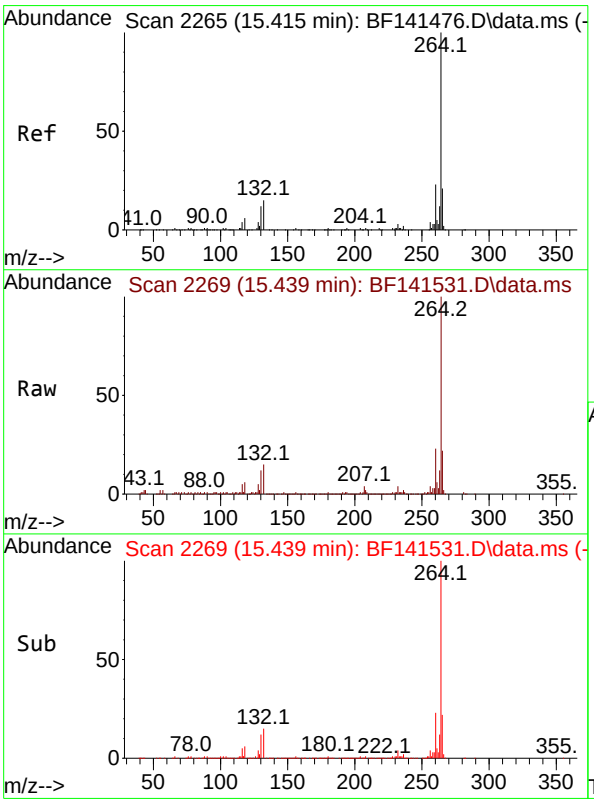

#85
Di-n-octyl phthalate
Concen: 49.334 ng
RT: 14.574 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:149 Resp: 453134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 12.1 | 9.5 | 14.3 |

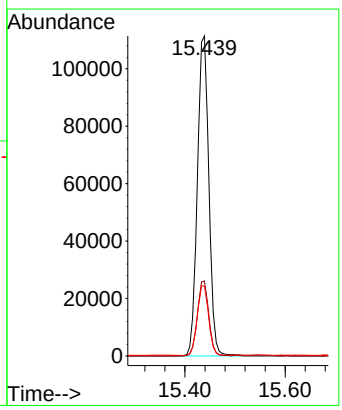


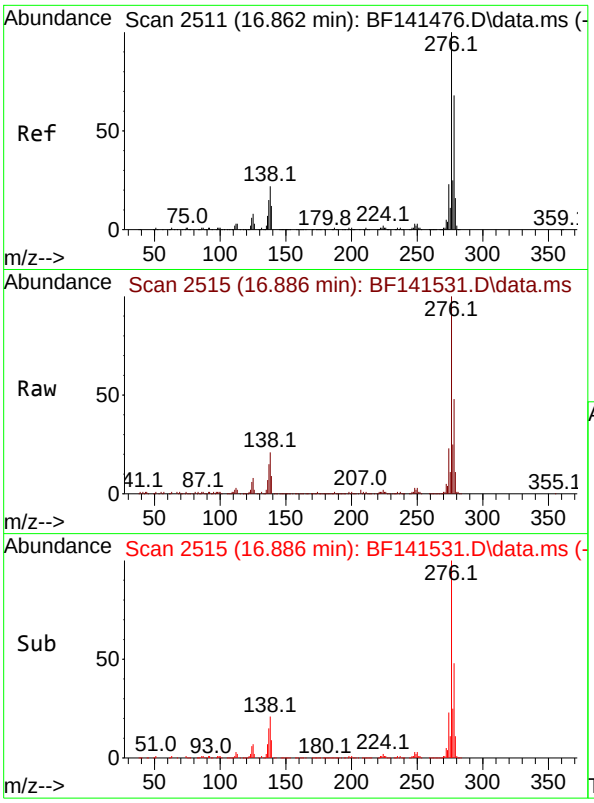




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.024 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:264 Resp: 177316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.6 | 28.0 |
| 265 | 21.8 | 17.0 | 25.4 |



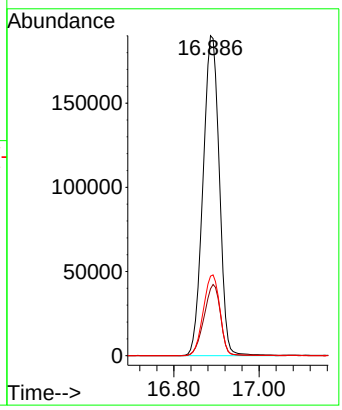


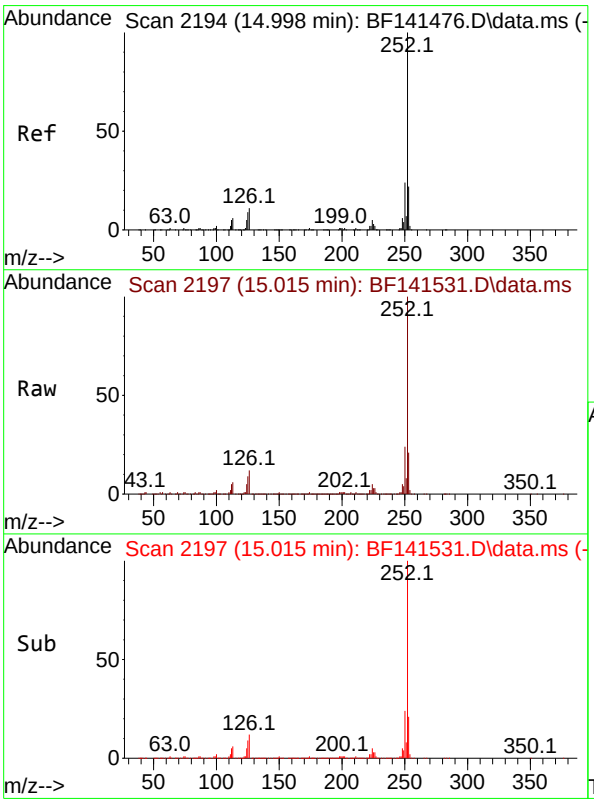

#87
Indeno(1,2,3-cd)pyrene
Concen: 46.037 ng
RT: 16.886 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:276 Resp: 504388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.5 | 18.0 | 27.0 |
| 277 | 25.8 | 20.4 | 30.6 |

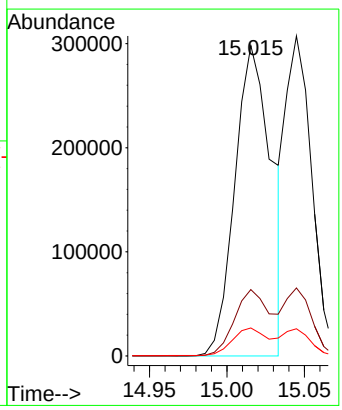


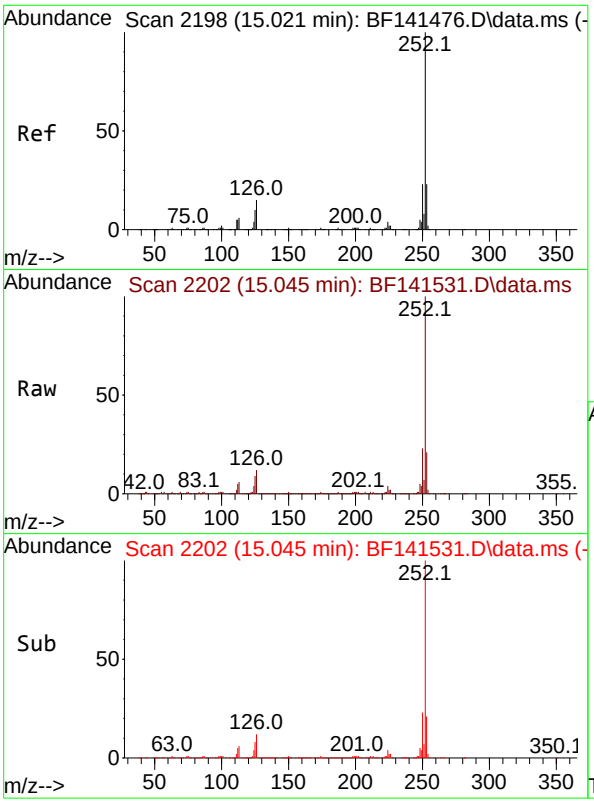




#88
Benzo(b)fluoranthene
Concen: 41.209 ng
RT: 15.015 min Scan# 2197
Delta R.T. 0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:252 Resp: 490636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.5 | 26.3 |
| 125 | 9.0 | 7.0 | 10.6 |



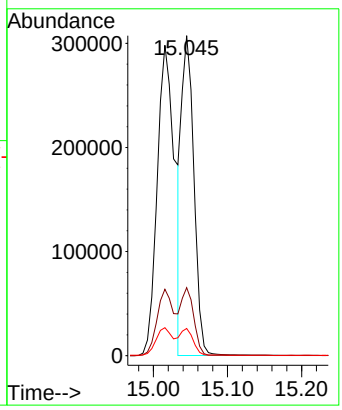


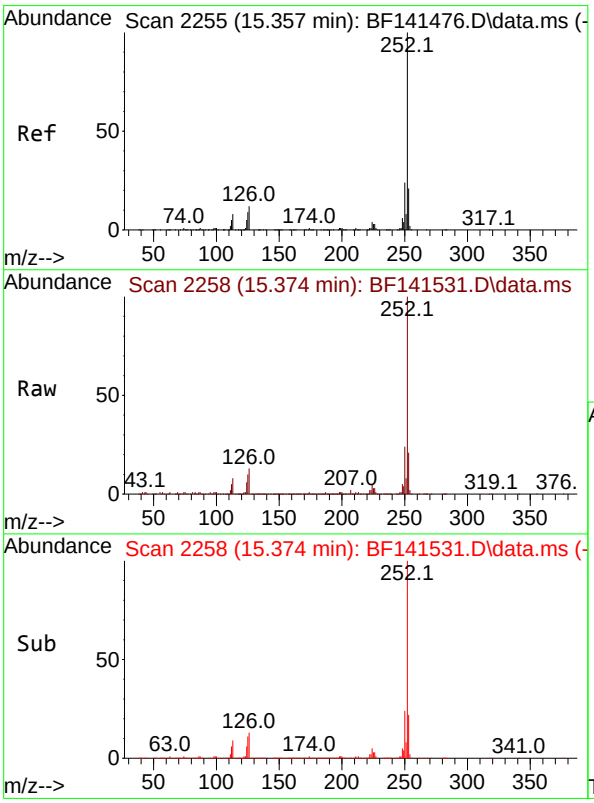

#89
Benzo(k)fluoranthene
Concen: 35.313 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:252 Resp: 359014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.3 | 18.0 | 27.0 |
| 125 | 8.5 | 7.4 | 11.0 |

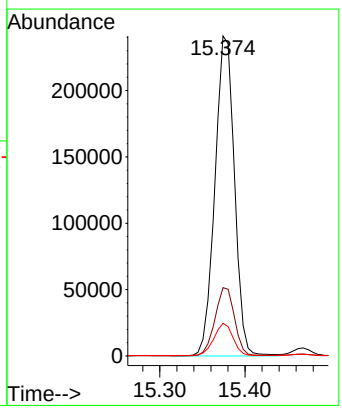


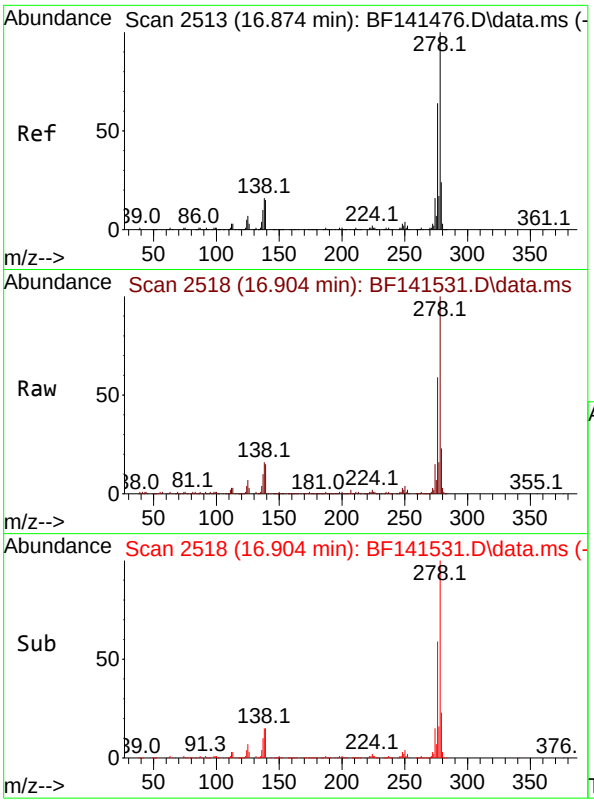




#90
Benzo(a)pyrene
Concen: 39.851 ng
RT: 15.374 min Scan# 2258
Delta R.T. 0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:252 Resp: 383923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.3 | 17.1 | 25.7 |
| 125 | 10.2 | 7.4 | 11.2 |



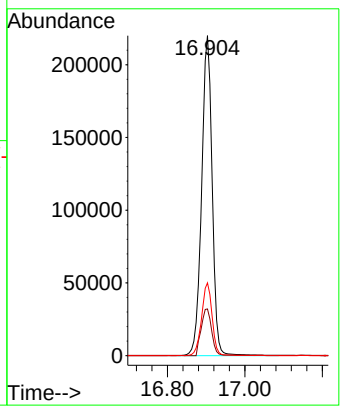


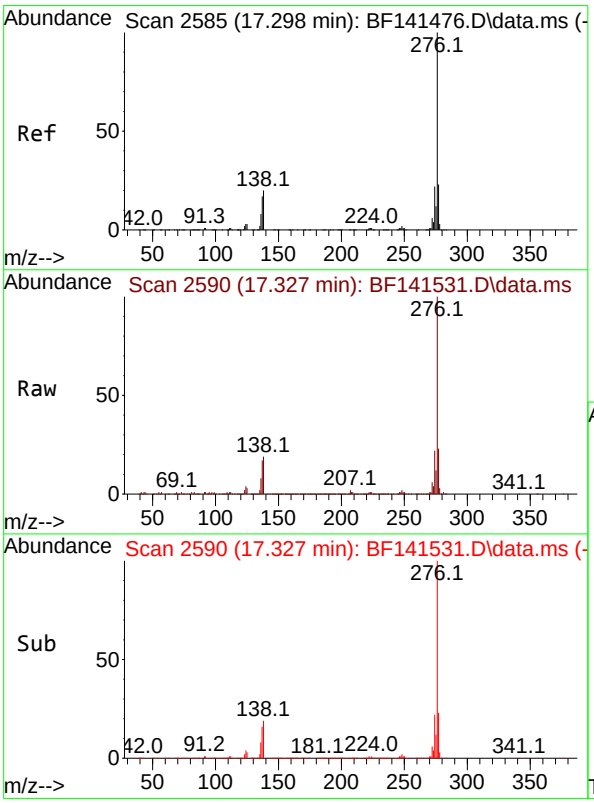

#91
Dibenzo(a,h)anthracene
Concen: 46.809 ng
RT: 16.904 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:278 Resp: 415551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.6 | 11.8 | 17.6 |
| 279 | 22.7 | 19.1 | 28.7 |

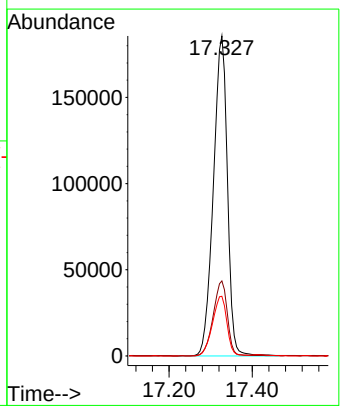



#92
Benzo(g,h,i)perylene
Concen: 46.843 ng
RT: 17.327 min Scan# 2590
Delta R.T. 0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:276 Resp: 435173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.5 | 18.6 | 28.0 |
| 138 | 18.6 | 15.9 | 23.9 |



Sample Results: **BF141531.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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 | 103 | 0.00 |
| 2 | | 1,4-Dioxane | 0.513 | 0.497 | 3.1 | 99 | -0.01 |
| 3 | | Pyridine | 1.222 | 1.210 | 1.0 | 98 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.809 | 0.801 | 1.0 | 101 | -0.03 |
| 5 | S | 2-Fluorophenol | 1.276 | 1.279 | -0.2 | 102 | 0.00 |
| 6 | | Aniline | 1.513 | 1.489 | 1.6 | 99 | -0.01 |
| 7 | S | Phenol-d6 | 1.612 | 1.566 | 2.9 | 100 | 0.00 |
| 8 | | 2-Chlorophenol | 1.378 | 1.349 | 2.1 | 101 | 0.00 |
| 9 | | Benzaldehyde | 0.857 | 0.700 | 18.3 | 88 | 0.00 |
| 10 | C | Phenol | 1.678 | 1.634 | 2.6 | 100 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.261 | 1.230 | 2.5 | 100 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.455 | 1.443 | 0.8 | 103 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.487 | 1.451 | 2.4 | 101 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.380 | 1.379 | 0.1 | 103 | 0.00 |
| 15 | | Benzyl Alcohol | 1.236 | 1.220 | 1.3 | 99 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.158 | 2.142 | 0.7 | 102 | 0.00 |
| 17 | | 2-Methylphenol | 1.079 | 1.053 | 2.4 | 100 | 0.00 |
| 18 | | Hexachloroethane | 0.550 | 0.559 | -1.6 | 104 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.964 | 0.933 | 3.2 | 99 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.371 | 1.322 | 3.6 | 99 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 22 | | Acetophenone | 0.498 | 0.483 | 3.0 | 99 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.383 | 0.378 | 1.3 | 100 | 0.00 |
| 24 | | Nitrobenzene | 0.374 | 0.366 | 2.1 | 99 | 0.00 |
| 25 | | Isophorone | 0.611 | 0.596 | 2.5 | 99 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.186 | 0.187 | -0.5 | 98 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.217 | 0.215 | 0.9 | 98 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.392 | 0.387 | 1.3 | 99 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.294 | 0.288 | 2.0 | 99 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.320 | 0.317 | 0.9 | 102 | 0.00 |
| 31 | | Naphthalene | 1.041 | 1.032 | 0.9 | 101 | 0.00 |
| 32 | | Benzoic acid | 0.226 | 0.196 | 13.3 | 87 | -0.04 |
| 33 | | 4-Chloroaniline | 0.363 | 0.347 | 4.4 | 97 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.192 | 0.197 | -2.6 | 104 | 0.00 |
| 35 | | Caprolactam | 0.089 | 0.087 | 2.2 | 95 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 0.325 | 0.317 | 2.5 | 97 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.677 | 0.665 | 1.8 | 101 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.656 | 0.639 | 2.6 | 99 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.579 | 0.580 | -0.2 | 99 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.192 | 0.179 | 6.8 | 87 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.201 | 0.194 | 3.5 | 96 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.374 | 0.374 | 0.0 | 99 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.405 | 0.398 | 1.7 | 96 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.298 | 1.277 | 1.6 | 100 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.551 | 1.532 | 1.2 | 99 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.147 | 1.143 | 0.3 | 100 | 0.00 |

Sample Results: **BF141531.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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 | 0.385 | 0.373 | 3.1 | 95 | 0.00 |
| 49 | | Acenaphthylene | 1.705 | 1.674 | 1.8 | 98 | 0.00 |
| 50 | | Dimethylphthalate | 1.358 | 1.328 | 2.2 | 98 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.297 | 0.284 | 4.4 | 94 | 0.00 |
| 52 | C | Acenaphthene | 1.147 | 1.121 | 2.3 | 97 | 0.00 |
| 53 | | 3-Nitroaniline | 0.319 | 0.306 | 4.1 | 95 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.176 | 0.162 | 8.0 | 91 | 0.00 |
| 55 | | Dibenzofuran | 1.683 | 1.647 | 2.1 | 98 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.237 | 0.223 | 5.9 | 89 | -0.01 |
| 57 | | 2,4-Dinitrotoluene | 0.395 | 0.379 | 4.1 | 95 | 0.00 |
| 58 | | Fluorene | 1.301 | 1.275 | 2.0 | 98 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.349 | 0.335 | 4.0 | 96 | 0.00 |
| 60 | | Diethylphthalate | 1.336 | 1.307 | 2.2 | 98 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.626 | 0.625 | 0.2 | 100 | 0.00 |
| 62 | | 4-Nitroaniline | 0.324 | 0.303 | 6.5 | 90 | -0.02 |
| 63 | | Azobenzene | 1.328 | 1.306 | 1.7 | 98 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.139 | 0.133 | 4.3 | 87 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.640 | 0.652 | -1.9 | 97 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 0.224 | 0.230 | -2.7 | 97 | 0.00 |
| 68 | | Hexachlorobenzene | 0.230 | 0.235 | -2.2 | 96 | 0.00 |
| 69 | | Atrazine | 0.192 | 0.182 | 5.2 | 92 | 0.00 |
| 70 | C | Pentachlorophenol | 0.147 | 0.138 | 6.1 | 83 | 0.00 |
| 71 | | Phenanthrene | 1.101 | 1.104 | -0.3 | 95 | 0.00 |
| 72 | | Anthracene | 1.107 | 1.109 | -0.2 | 95 | 0.00 |
| 73 | | Carbazole | 0.996 | 0.971 | 2.5 | 92 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.150 | 1.153 | -0.3 | 94 | 0.00 |
| 75 | C | Fluoranthene | 1.167 | 1.119 | 4.1 | 90 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 77 | | Benzidine | 0.441 | 0.411 | 6.8 | 67 | 0.00 |
| 78 | | Pyrene | 1.703 | 1.809 | -6.2 | 89 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.185 | 1.253 | -5.7 | 90 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.590 | 0.627 | -6.3 | 88 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.329 | 1.304 | 1.9 | 83 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.381 | 0.373 | 2.1 | 85 | 0.00 |
| 83 | | Chrysene | 1.228 | 1.236 | -0.7 | 88 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.665 | 0.755 | -13.5 | 94 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 0.949 | 1.170 | -23.3# | 104 | 0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 97 | 0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.236 | 1.422 | -15.0 | 107 | 0.01 |
| 88 | | Benzo(b)fluoranthene | 1.343 | 1.384 | -3.1 | 100 | 0.01 |
| 89 | | Benzo(k)fluoranthene | 1.147 | 1.012 | 11.8 | 86 | 0.01 |
| 90 | C | Benzo(a)pyrene | 1.087 | 1.083 | 0.4 | 97 | 0.01 |
| 91 | | Dibenzo(a,h)anthracene | 1.001 | 1.172 | -17.1 | 108 | 0.01 |
| 92 | | Benzo(g,h,i)perylene | 1.048 | 1.227 | -17.1 | 108 | 0.01 |

Sample Results: **BF141531.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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: **BF141531.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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 | 103 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.728 | 3.2 | 99 | -0.01 |
| 3 | | Pyridine | 40.000 | 39.606 | 1.0 | 98 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.614 | 1.0 | 101 | -0.03 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.176 | -0.2 | 102 | 0.00 |
| 6 | | Aniline | 40.000 | 39.376 | 1.6 | 99 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 77.687 | 2.9 | 100 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.158 | 2.1 | 101 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 32.674 | 18.3 | 88 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.940 | 2.7 | 100 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.036 | 2.4 | 100 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.668 | 0.8 | 103 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.023 | 2.4 | 101 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.967 | 0.1 | 103 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.473 | 1.3 | 99 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.715 | 0.7 | 102 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.034 | 2.4 | 100 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.642 | -1.6 | 104 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.706 | 3.2 | 99 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.569 | 3.6 | 99 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 101 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.827 | 2.9 | 99 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.840 | 1.4 | 100 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.108 | 2.2 | 99 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.993 | 2.5 | 99 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.102 | -0.3 | 98 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.519 | 1.2 | 98 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.467 | 1.3 | 99 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.280 | 1.8 | 99 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.705 | 0.7 | 102 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.639 | 0.9 | 101 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 34.738 | 13.2 | 87 | -0.04 |
| 33 | | 4-Chloroaniline | 40.000 | 38.208 | 4.5 | 97 | -0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.054 | -2.6 | 104 | 0.00 |
| 35 | | Caprolactam | 40.000 | 38.739 | 3.2 | 95 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.947 | 2.6 | 97 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.242 | 1.9 | 101 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.931 | 2.7 | 99 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 99 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.116 | -0.3 | 99 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 37.172 | 7.1 | 87 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 77.122 | 3.6 | 96 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.950 | 0.1 | 99 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 39.281 | 1.8 | 96 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 78.674 | 1.7 | 100 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.517 | 1.2 | 99 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.887 | 0.3 | 100 | 0.00 |

Sample Results: **BF141531.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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 | 38.822 | 2.9 | 95 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.253 | 1.9 | 98 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.112 | 2.2 | 98 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 38.236 | 4.4 | 94 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.100 | 2.2 | 97 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 38.310 | 4.2 | 95 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 36.647 | 8.4 | 91 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.157 | 2.1 | 98 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 37.656 | 5.9 | 89 | -0.01 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 38.351 | 4.1 | 95 | 0.00 |
| 58 | | Fluorene | 40.000 | 39.202 | 2.0 | 98 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.428 | 3.9 | 96 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 39.149 | 2.1 | 98 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.967 | 0.1 | 100 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 37.408 | 6.5 | 90 | -0.02 |
| 63 | | Azobenzene | 40.000 | 39.338 | 1.7 | 98 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 93 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 38.398 | 4.0 | 87 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.759 | -1.9 | 97 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 41.197 | -3.0 | 97 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 40.874 | -2.2 | 96 | 0.00 |
| 69 | | Atrazine | 40.000 | 37.940 | 5.2 | 92 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 37.449 | 6.4 | 83 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 40.095 | -0.2 | 95 | 0.00 |
| 72 | | Anthracene | 40.000 | 40.071 | -0.2 | 95 | 0.00 |
| 73 | | Carbazole | 40.000 | 39.007 | 2.5 | 92 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.113 | -0.3 | 94 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 38.350 | 4.1 | 90 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 86 | 0.00 |
| 77 | | Benzidine | 40.000 | 37.236 | 6.9 | 67 | 0.00 |
| 78 | | Pyrene | 40.000 | 42.509 | -6.3 | 89 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 84.606 | -5.8 | 90 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 42.551 | -6.4 | 88 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.246 | 1.9 | 83 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 39.165 | 2.1 | 85 | 0.00 |
| 83 | | Chrysene | 40.000 | 40.265 | -0.7 | 88 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 45.402 | -13.5 | 94 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 49.334 | -23.3# | 104 | 0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 97 | 0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 46.037 | -15.1 | 107 | 0.01 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 41.209 | -3.0 | 100 | 0.01 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 35.313 | 11.7 | 86 | 0.01 |
| 90 | C | Benzo(a)pyrene | 40.000 | 39.851 | 0.4 | 97 | 0.01 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 46.809 | -17.0 | 108 | 0.01 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 46.843 | -17.1 | 108 | 0.01 |

Sample Results: **BF141531.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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

Raw Data: **BF141551.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date/Time: 02/11/2025 10:28

Lab File ID: BF141551.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.276 | 1.265 | | -0.9 | |
| Benzaldehyde | 0.857 | 0.753 | | -12.1 | |
| Phenol-d6 | 1.612 | 1.593 | | -1.2 | |
| Phenol | 1.678 | 1.648 | | -1.8 | 20.0 |
| bis(2-Chloroethyl)ether | 1.261 | 1.246 | | -1.2 | |
| 2-Chlorophenol | 1.378 | 1.375 | | -0.2 | |
| 2-Methylphenol | 1.079 | 1.043 | | -3.3 | |
| 2,2-oxybis(1-Chloropropane) | 2.158 | 2.126 | | -1.5 | |
| Acetophenone | 0.498 | 0.484 | | -2.8 | |
| 3+4-Methylphenols | 1.371 | 1.332 | | -2.8 | |
| n-Nitroso-di-n-propylamine | 0.964 | 0.956 | 0.050 | -0.8 | |
| Nitrobenzene-d5 | 0.383 | 0.379 | | -1.0 | |
| Hexachloroethane | 0.550 | 0.547 | | -0.5 | |
| Nitrobenzene | 0.374 | 0.368 | | -1.6 | |
| Isophorone | 0.611 | 0.609 | | -0.3 | |
| 2-Nitrophenol | 0.186 | 0.189 | | 1.6 | 20.0 |
| 2,4-Dimethylphenol | 0.217 | 0.221 | | 1.8 | |
| bis(2-Chloroethoxy)methane | 0.392 | 0.398 | | 1.5 | |
| 2,4-Dichlorophenol | 0.294 | 0.295 | | 0.3 | 20.0 |
| Naphthalene | 1.041 | 1.028 | | -1.2 | |
| 4-Chloroaniline | 0.363 | 0.326 | | -10.2 | |
| Hexachlorobutadiene | 0.192 | 0.193 | | 0.5 | 20.0 |
| Caprolactam | 0.089 | 0.091 | | 2.2 | |
| 4-Chloro-3-methylphenol | 0.325 | 0.324 | | -0.3 | 20.0 |
| 2-Methylnaphthalene | 0.677 | 0.671 | | -0.9 | |
| Hexachlorocyclopentadiene | 0.192 | 0.181 | 0.050 | -5.7 | |
| 2,4,6-Trichlorophenol | 0.374 | 0.373 | | -0.3 | 20.0 |
| 2-Fluorobiphenyl | 1.298 | 1.271 | | -2.1 | |
| 2,4,5-Trichlorophenol | 0.405 | 0.401 | | -1.0 | |
| 1,1-Biphenyl | 1.551 | 1.544 | | -0.5 | |
| 2-Chloronaphthalene | 1.147 | 1.123 | | -2.1 | |
| 2-Nitroaniline | 0.385 | 0.372 | | -3.4 | |
| Dimethylphthalate | 1.358 | 1.360 | | 0.1 | |
| Acenaphthylene | 1.705 | 1.686 | | -1.1 | |
| 2,6-Dinitrotoluene | 0.297 | 0.295 | | -0.7 | |
| 3-Nitroaniline | 0.319 | 0.310 | | -2.8 | |
| Acenaphthene | 1.147 | 1.121 | | -2.3 | 20.0 |
| 2,4-Dinitrophenol | 0.176 | 0.181 | 0.050 | 2.8 | |
| 4-Nitrophenol | 0.237 | 0.233 | 0.050 | -1.7 | |

Raw Data: **BF141551.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date/Time: 02/11/2025 10:28

Lab File ID: BF141551.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dibenzofuran | 1.683 | 1.653 | | -1.8 | |
| 2,4-Dinitrotoluene | 0.395 | 0.398 | | 0.8 | |
| Diethylphthalate | 1.336 | 1.353 | | 1.3 | |
| 4-Chlorophenyl-phenylether | 0.626 | 0.620 | | -1.0 | |
| Fluorene | 1.301 | 1.291 | | -0.8 | |
| 4-Nitroaniline | 0.324 | 0.324 | | 0.0 | |
| 4,6-Dinitro-2-methylphenol | 0.139 | 0.139 | | 0.0 | |
| n-Nitrosodiphenylamine | 0.640 | 0.634 | | -0.9 | 20.0 |
| 2,4,6-Tribromophenol | 0.201 | 0.201 | | 0.0 | |
| 4-Bromophenyl-phenylether | 0.224 | 0.226 | | 0.9 | |
| Hexachlorobenzene | 0.230 | 0.230 | | 0.0 | |
| Atrazine | 0.192 | 0.174 | | -9.4 | |
| Pentachlorophenol | 0.147 | 0.147 | | 0.0 | 20.0 |
| Phenanthrene | 1.101 | 1.067 | | -3.1 | |
| Anthracene | 1.107 | 1.091 | | -1.4 | |
| Carbazole | 0.996 | 0.961 | | -3.5 | |
| Di-n-butylphthalate | 1.150 | 1.169 | | 1.7 | |
| Fluoranthene | 1.167 | 1.112 | | -4.7 | 20.0 |
| Pyrene | 1.703 | 1.914 | | 12.4 | |
| Terphenyl-d14 | 1.185 | 1.330 | | 12.2 | |
| Butylbenzylphthalate | 0.590 | 0.654 | | 10.8 | |
| 3,3-Dichlorobenzidine | 0.381 | 0.368 | | -3.4 | |
| Benzo(a)anthracene | 1.329 | 1.313 | | -1.2 | |
| Chrysene | 1.228 | 1.216 | | -1.0 | |
| Bis(2-ethylhexyl)phthalate | 0.665 | 0.741 | | 11.4 | |
| Di-n-octyl phthalate | 0.949 | 1.040 | | 9.6 | 20.0 |
| Benzo(b)fluoranthene | 1.343 | 1.314 | | -2.2 | |
| Benzo(k)fluoranthene | 1.147 | 1.062 | | -7.4 | |
| Benzo(a)pyrene | 1.087 | 1.065 | | -2.0 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.236 | 1.357 | | 9.8 | |
| Dibenzo(a,h)anthracene | 1.001 | 1.106 | | 10.5 | |
| Benzo(g,h,i)perylene | 1.048 | 1.156 | | 10.3 | |
| 1,2,4,5-Tetrachlorobenzene | 0.579 | 0.575 | | -0.7 | |
| 1,4-Dioxane | 0.513 | 0.499 | | -2.7 | 20.0 |
| 2,3,4,6-Tetrachlorophenol | 0.349 | 0.348 | | -0.3 | |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Feb 11 11:06:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.793 | 152 | 100982 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.075 | 136 | 399334 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.828 | 164 | 220290 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.310 | 188 | 380364 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.957 | 240 | 221485 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.410 | 264 | 189149 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.404 | 112 | 511150 | 79.356 | ng | 0.00 |
| 7) Phenol-d6 | 6.434 | 99 | 643479 | 79.040 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.357 | 82 | 605988 | 79.150 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.616 | 330 | 176794 | 79.892 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 9.151 | 172 | 1120127 | 78.338 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.898 | 244 | 1178679 | 89.840 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.481 | 88 | 100747 | 38.862 | ng | 99 |
| 3) Pyridine | 3.216 | 79 | 247438 | 40.110 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.169 | 42 | 157380 | 38.528 | ng | 98 |
| 6) Aniline | 6.451 | 93 | 302324 | 39.588 | ng | 92 |
| 8) 2-Chlorophenol | 6.581 | 128 | 277627 | 39.889 | ng | 99 |
| 9) Benzaldehyde | 6.340 | 77 | 152087 | 35.155 | ng | 100 |
| 10) Phenol | 6.445 | 94 | 332783 | 39.274 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 6.528 | 93 | 251570 | 39.527 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.728 | 146 | 294127 | 40.029 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.810 | 146 | 296503 | 39.495 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 6.963 | 146 | 276132 | 39.630 | ng | 100 |
| 15) Benzyl Alcohol | 6.934 | 79 | 248245 | 39.763 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.069 | 45 | 429398 | 39.413 | ng | 98 |
| 17) 2-Methylphenol | 7.051 | 107 | 210577 | 38.662 | ng | 99 |
| 18) Hexachloroethane | 7.298 | 117 | 110474 | 39.762 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.210 | 70 | 193046 | 39.642 | ng | 97 |
| 20) 3+4-Methylphenols | 7.204 | 107 | 269006 | 38.863 | ng | 95 |
| 22) Acetophenone | 7.204 | 105 | 386258 | 38.884 | ng | 100 |
| 24) Nitrobenzene | 7.375 | 77 | 294305 | 39.421 | ng | 99 |
| 25) Isophorone | 7.616 | 82 | 486718 | 39.870 | ng | 99 |
| 26) 2-Nitrophenol | 7.692 | 139 | 151129 | 40.688 | ng | 96 |
| 27) 2,4-Dimethylphenol | 7.734 | 122 | 176787 | 40.742 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.822 | 93 | 317603 | 40.602 | ng | 100 |
| 29) 2,4-Dichlorophenol | 7.939 | 162 | 235725 | 40.207 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.016 | 180 | 254617 | 39.881 | ng | 99 |
| 31) Naphthalene | 8.098 | 128 | 820994 | 39.496 | ng | 100 |
| 32) Benzoic acid | 7.863 | 122 | 171762 | 38.109 | ng | 100 |
| 33) 4-Chloroaniline | 8.145 | 127 | 260705 | 35.922 | ng | 99 |
| 34) Hexachlorobutadiene | 8.210 | 225 | 154125 | 40.212 | ng | 99 |
| 35) Caprolactam | 8.522 | 113 | 72868 | 40.821 | ng | 96 |
| 36) 4-Chloro-3-methylphenol | 8.634 | 107 | 258721 | 39.838 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.786 | 142 | 535507 | 39.589 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.886 | 142 | 513186 | 39.172 | ng | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 8.951 | 216 | 253153 | 39.721 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 8.934 | 237 | 79719 | 37.607 | ng | 97 |
| 43) 2,4,6-Trichlorophenol | 9.069 | 196 | 164418 | 39.916 | ng | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Feb 11 11:06:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

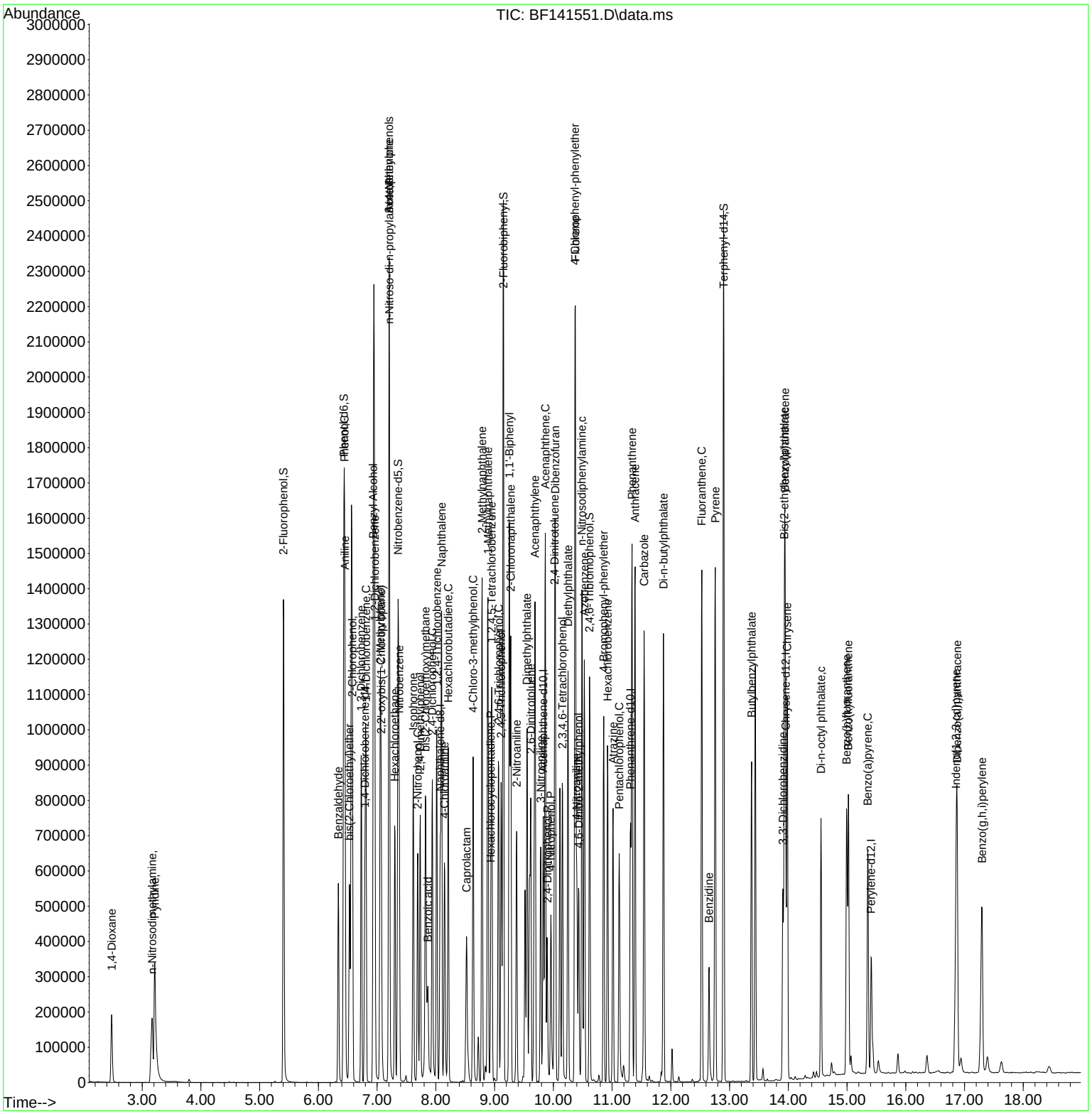
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.110 | 196 | 176666 | 39.574 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.251 | 154 | 680211 | 39.828 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.275 | 162 | 494742 | 39.175 | ng | 100 |
| 48) 2-Nitroaniline | 9.375 | 65 | 163823 | 38.652 | ng | 95 |
| 49) Acenaphthylene | 9.686 | 152 | 742913 | 39.549 | ng | 99 |
| 50) Dimethylphthalate | 9.551 | 163 | 598973 | 40.052 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.616 | 165 | 129812 | 39.707 | ng | 99 |
| 52) Acenaphthene | 9.863 | 154 | 494087 | 39.125 | ng | 99 |
| 53) 3-Nitroaniline | 9.786 | 138 | 136720 | 38.855 | ng | 98 |
| 54) 2,4-Dinitrophenol | 9.898 | 184 | 79744 | 41.042 | ng | 90 |
| 55) Dibenzofuran | 10.033 | 168 | 728307 | 39.291 | ng | 100 |
| 56) 4-Nitrophenol | 9.957 | 139 | 102589 | 39.275 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 10.022 | 165 | 175460 | 40.316 | ng | 99 |
| 58) Fluorene | 10.375 | 166 | 568620 | 39.674 | ng | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232 | 153425 | 39.919 | ng | 97 |
| 60) Diethylphthalate | 10.251 | 149 | 596031 | 40.508 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.369 | 204 | 273368 | 39.647 | ng | 99 |
| 62) 4-Nitroaniline | 10.398 | 138 | 142801 | 39.968 | ng | 98 |
| 63) Azobenzene | 10.528 | 77 | 583738 | 39.907 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.433 | 198 | 105582 | 39.960 | ng | 94 |
| 66) n-Nitrosodiphenylamine | 10.486 | 169 | 482640 | 39.639 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248 | 172060 | 40.475 | ng | 98 |
| 68) Hexachlorobenzene | 10.922 | 284 | 174724 | 39.915 | ng | 96 |
| 69) Atrazine | 11.016 | 200 | 132082 | 36.159 | ng | 99 |
| 70) Pentachlorophenol | 11.122 | 266 | 111889 | 39.974 | ng | 99 |
| 71) Phenanthrene | 11.339 | 178 | 811492 | 38.758 | ng | 100 |
| 72) Anthracene | 11.392 | 178 | 830102 | 39.440 | ng | 100 |
| 73) Carbazole | 11.545 | 167 | 730698 | 38.584 | ng | 100 |
| 74) Di-n-butylphthalate | 11.875 | 149 | 889622 | 40.683 | ng | 100 |
| 75) Fluoranthene | 12.527 | 202 | 846154 | 38.119 | ng | 100 |
| 77) Benzidine | 12.651 | 184 | 187856 | 38.458 | ng | 99 |
| 78) Pyrene | 12.757 | 202 | 847654 | 44.958 | ng | 99 |
| 80) Butylbenzylphthalate | 13.374 | 149 | 289726 | 44.364 | ng | 99 |
| 81) Benzo(a)anthracene | 13.945 | 228 | 581807 | 39.517 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.910 | 252 | 162839 | 38.611 | ng | 98 |
| 83) Chrysene | 13.980 | 228 | 538648 | 39.623 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.933 | 149 | 328143 | 44.551 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.557 | 149 | 460738 | 43.848 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.857 | 276 | 513192 | 43.910 | ng | 100 |
| 88) Benzo(b)fluoranthene | 14.992 | 252 | 496986 | 39.131 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.021 | 252 | 401654 | 37.036 | ng | 99 |
| 90) Benzo(a)pyrene | 15.351 | 252 | 403008 | 39.215 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.874 | 278 | 418333 | 44.174 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.298 | 276 | 437196 | 44.116 | ng | 99 |

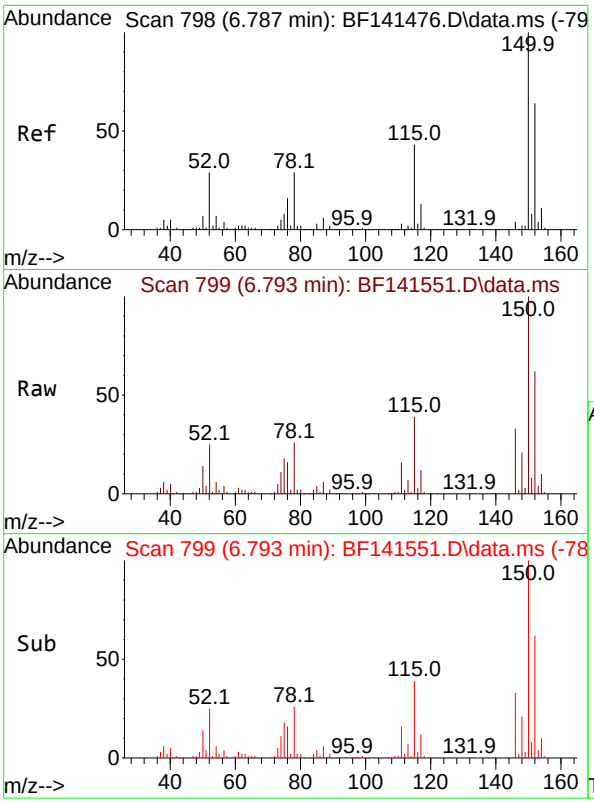
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Feb 11 11:06:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



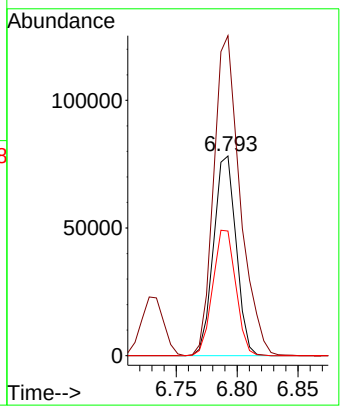


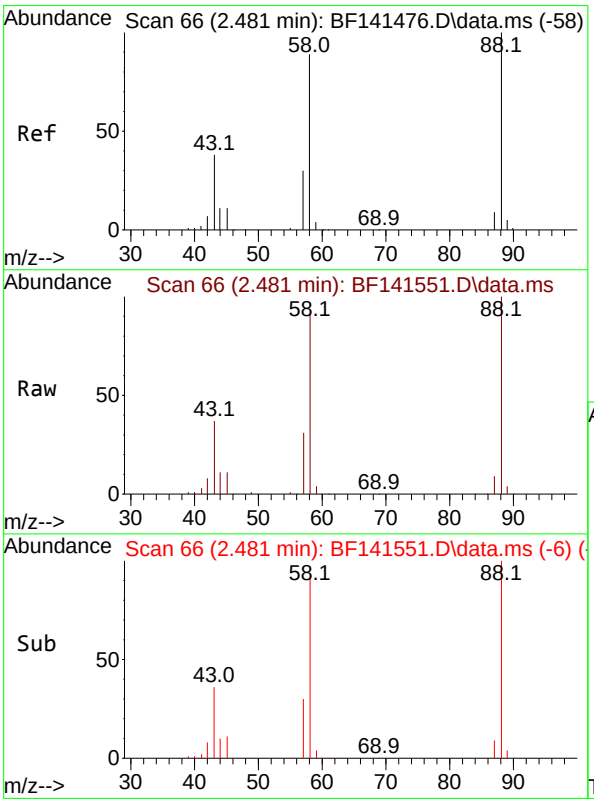

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 100982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.2 | 125.0 | 187.4 |
| 115 | 62.4 | 53.6 | 80.4 |

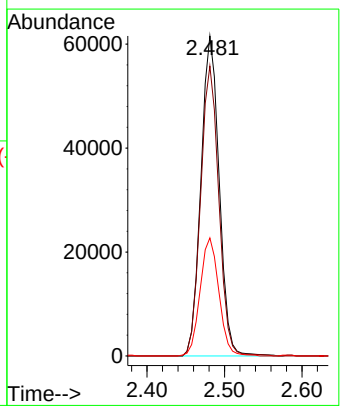


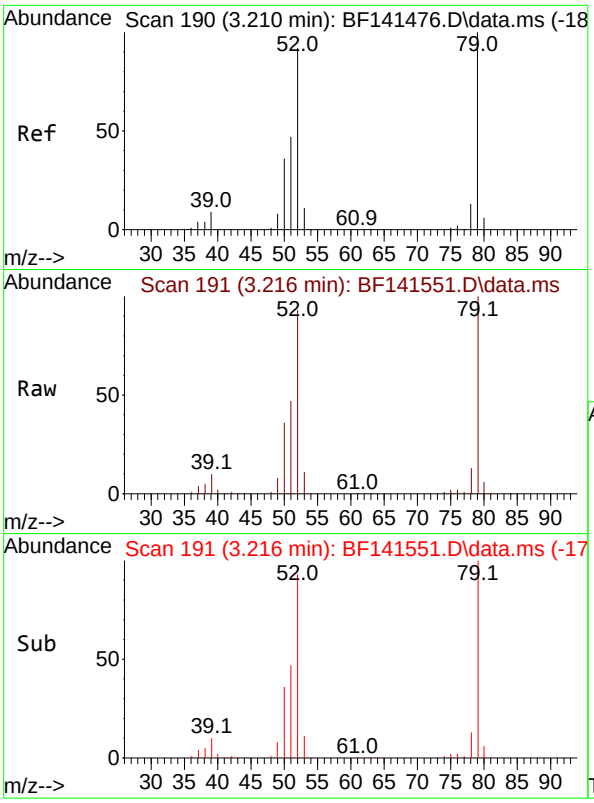




#2
1,4-Dioxane
Concen: 38.862 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 88 Resp: 100747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 90.3 | 71.1 | 106.7 |
| 43 | 38.0 | 30.6 | 46.0 |



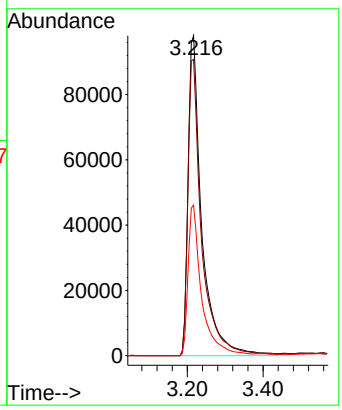


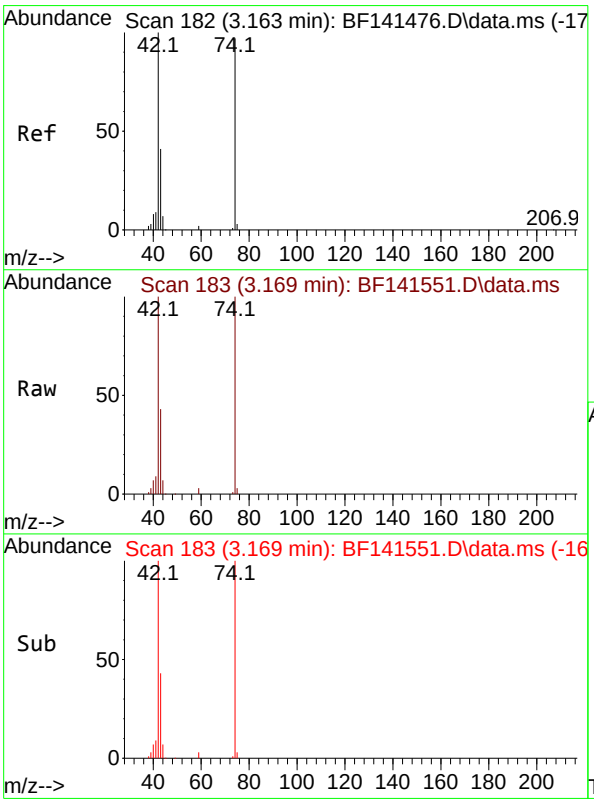

#3
Pyridine
Concen: 40.110 ng
RT: 3.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 247438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 92.6 | 73.7 | 110.5 |
| 51 | 47.1 | 37.5 | 56.3 |

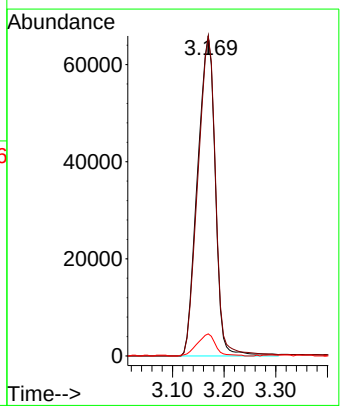


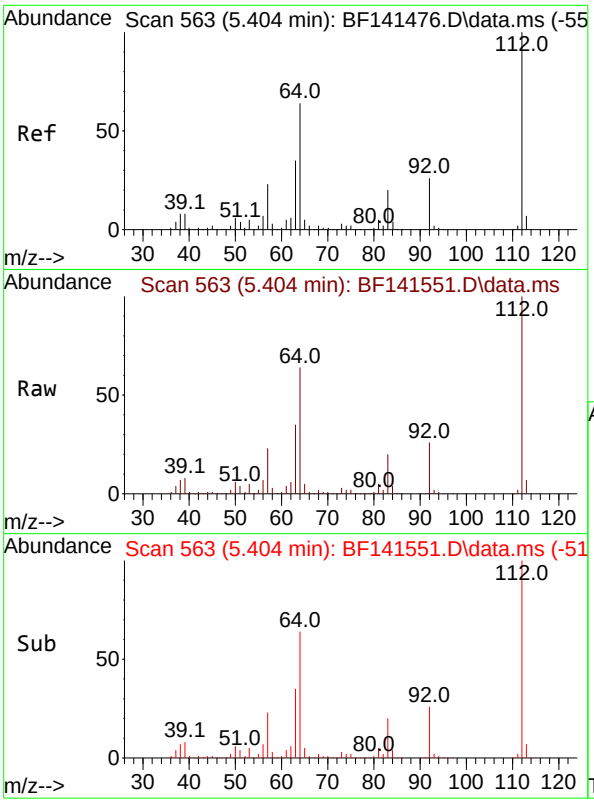




#4
n-Nitrosodimethylamine
Concen: 38.528 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.017 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 42 Resp: 157380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 99.9 | 78.0 | 117.0 |
| 44 | 6.9 | 5.4 | 8.2 |



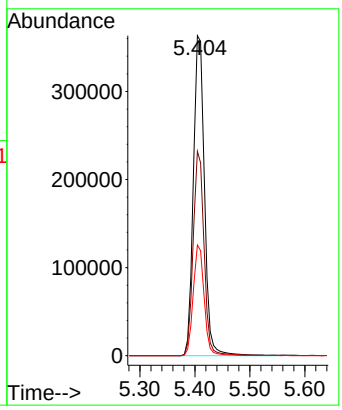


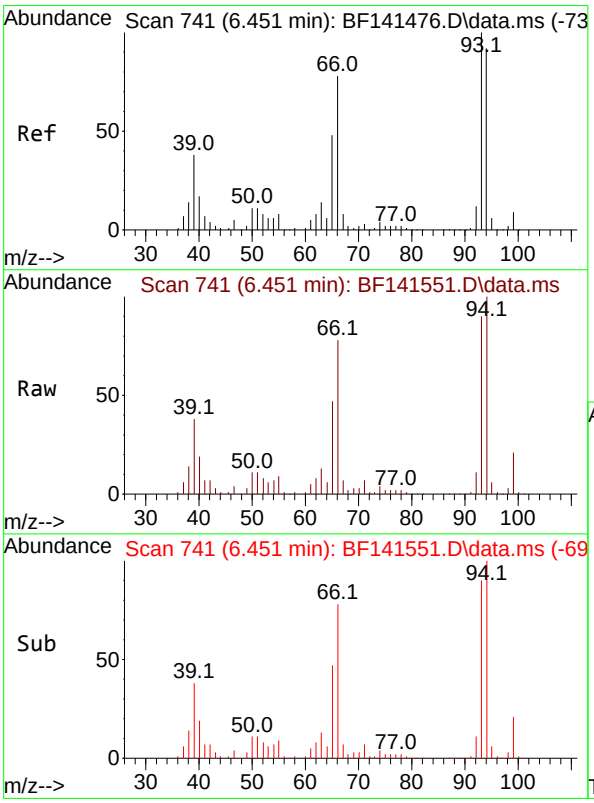

#5
2-Fluorophenol
Concen: 79.356 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:112 Resp: 511150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.8 | 51.1 | 76.7 |
| 63 | 34.6 | 28.4 | 42.6 |

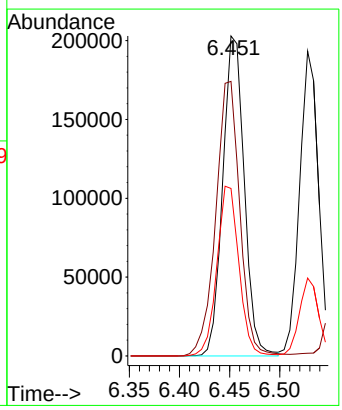


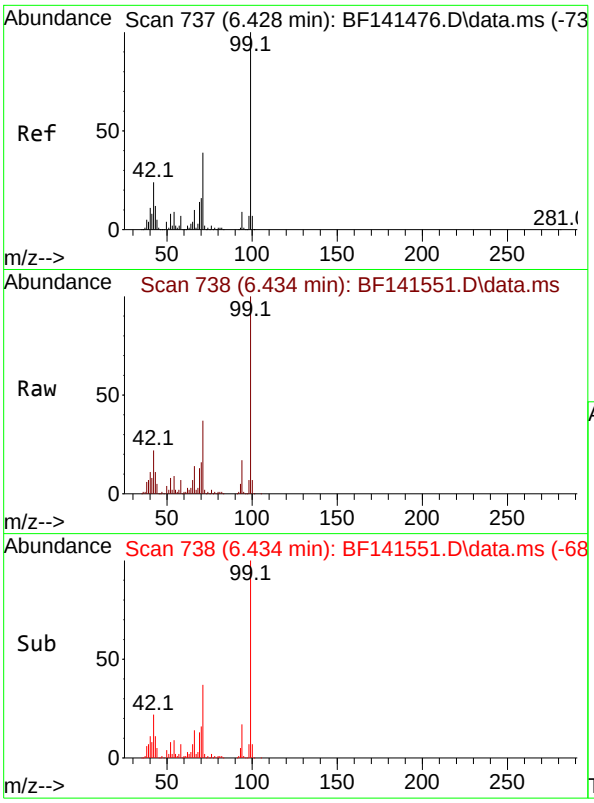




#6
Aniline
Concen: 39.588 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 93 Resp: 302324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 85.8 | 62.6 | 94.0 |
| 65 | 52.3 | 38.3 | 57.5 |



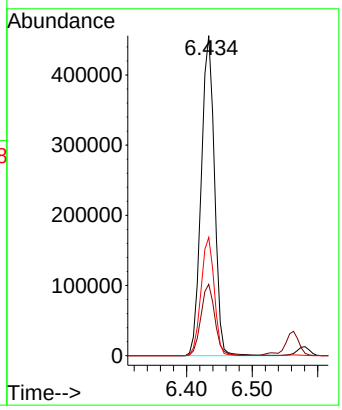


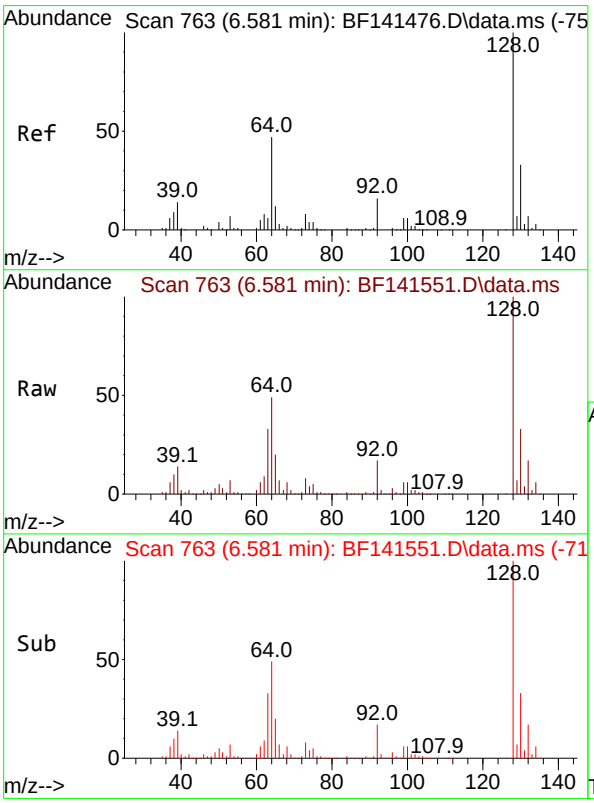

#7
Phenol-d6
Concen: 79.040 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 99 Resp: 643479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.3 | 19.1 | 28.7 |
| 71 | 37.0 | 31.1 | 46.7 |

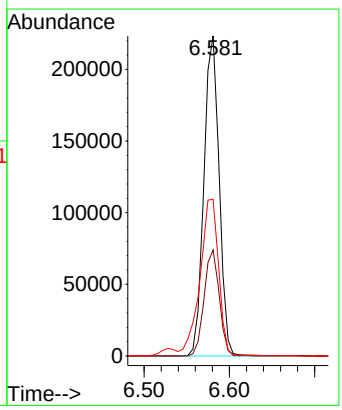


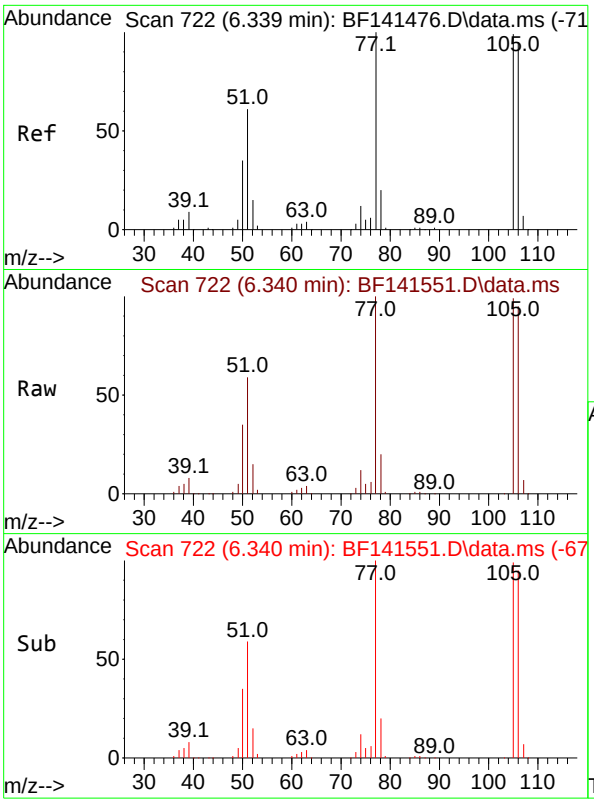




#8
2-Chlorophenol
Concen: 39.889 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:128 Resp: 277627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.1 | 12.7 | 52.7 |
| 64 | 49.0 | 28.3 | 68.3 |



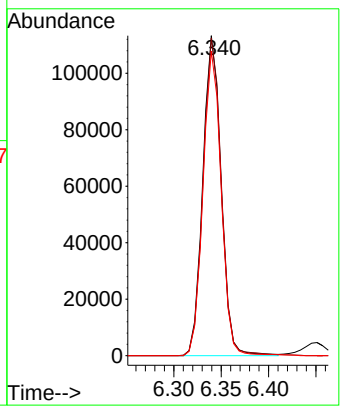


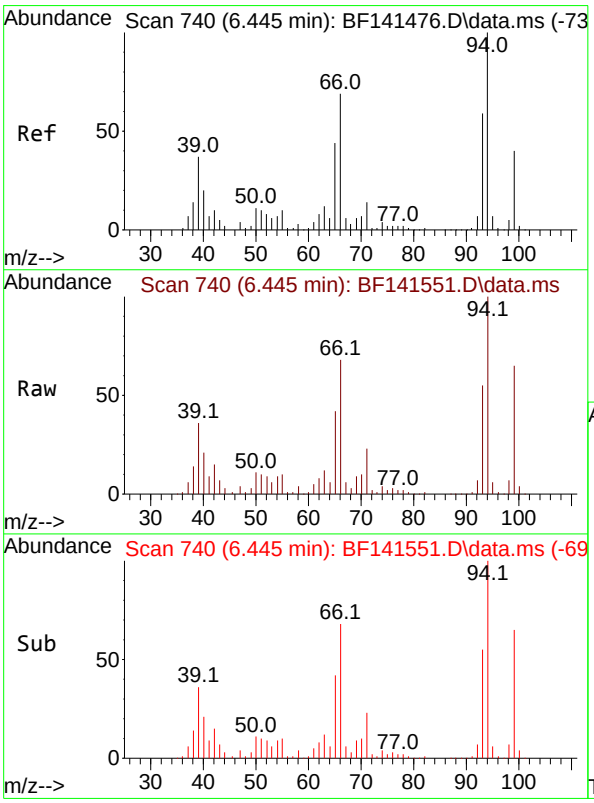

#9
Benzaldehyde
Concen: 35.155 ng
RT: 6.340 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 152087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.3 | 79.4 | 119.4 |
| 106 | 95.2 | 75.1 | 115.1 |

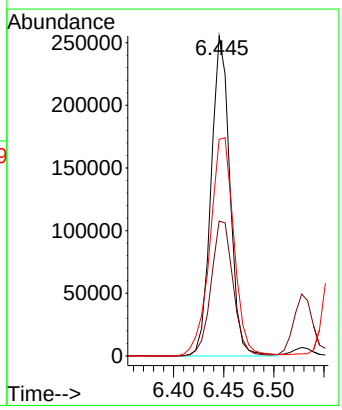


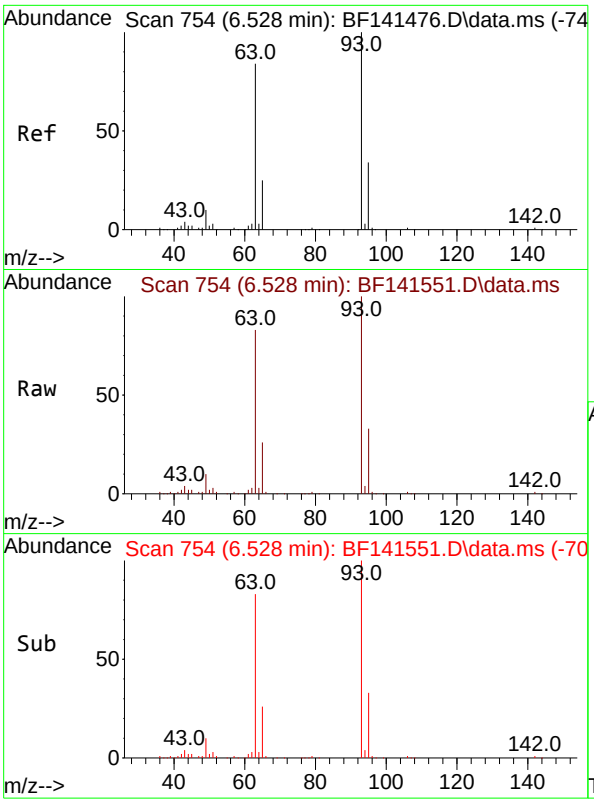




#10
Phenol
Concen: 39.274 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 94 Resp: 332783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 42.2 | 23.7 | 63.7 |
| 66 | 67.7 | 49.3 | 89.3 |



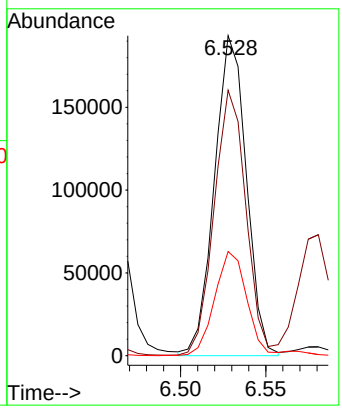


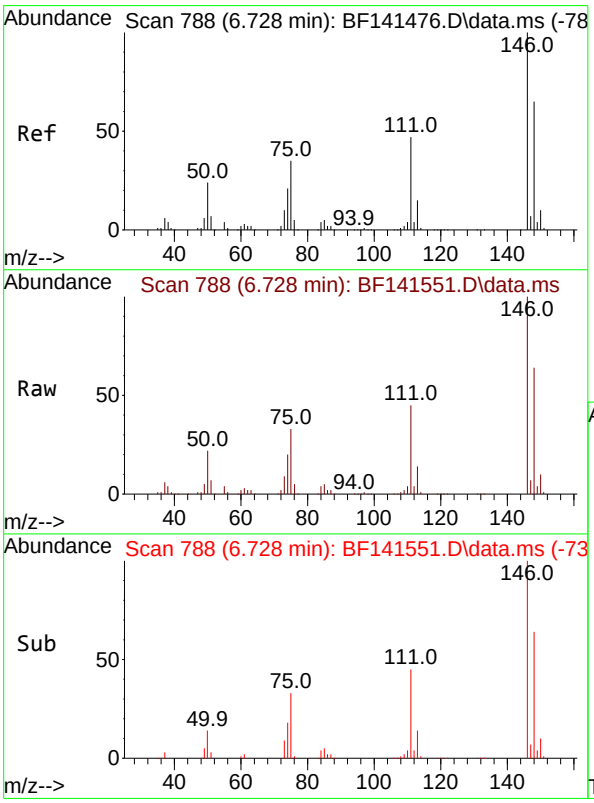

#11
bis(2-Chloroethyl)ether
Concen: 39.527 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 93 Resp: 251570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 82.9 | 62.0 | 102.0 |
| 95 | 32.6 | 12.6 | 52.6 |

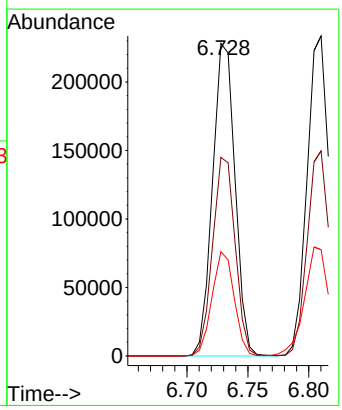


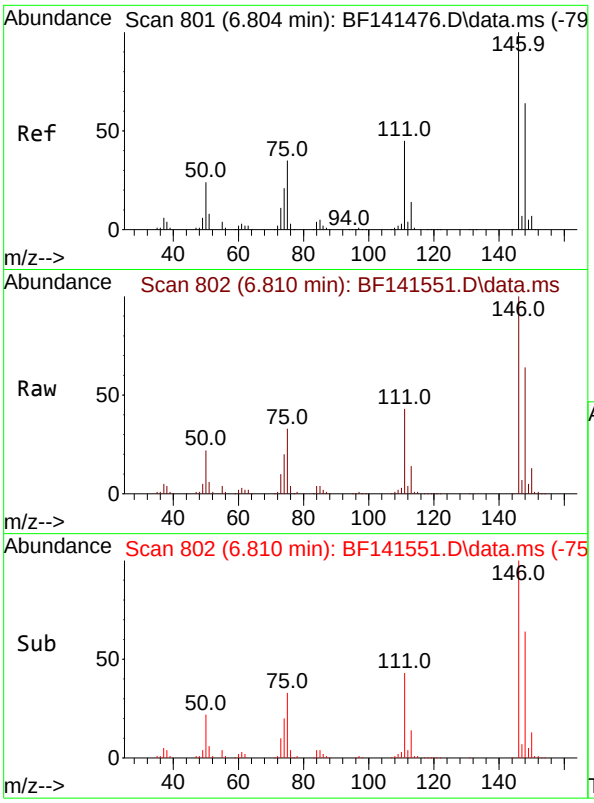




#12
1,3-Dichlorobenzene
Concen: 40.029 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:146 Resp: 294127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.5 | 51.9 | 77.9 |
| 75 | 33.4 | 28.2 | 42.2 |



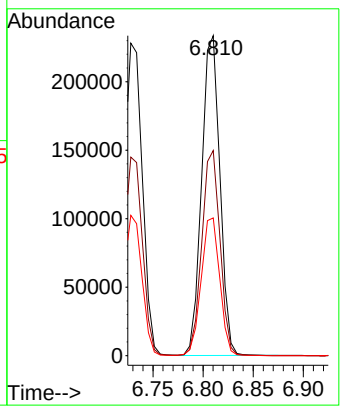


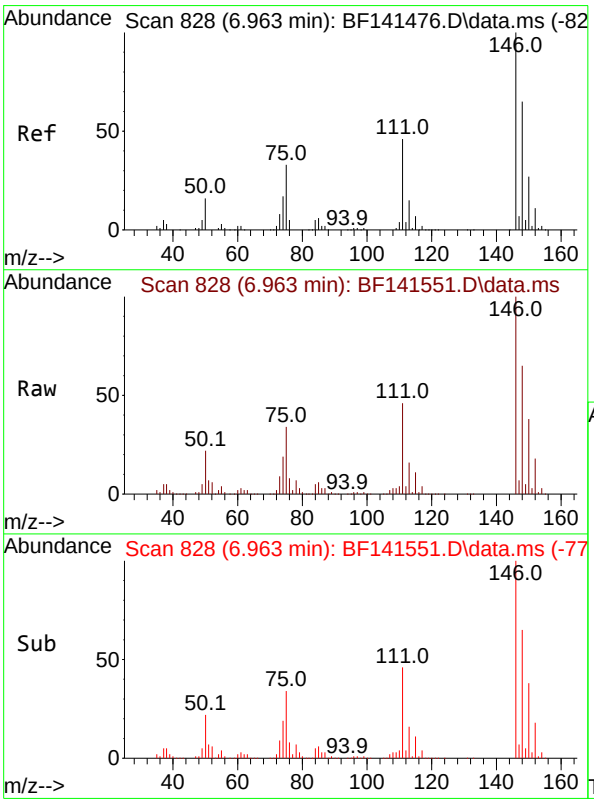

#13
1,4-Dichlorobenzene
Concen: 39.495 ng
RT: 6.810 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:146 Resp: 296503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 50.9 | 76.3 |
| 111 | 43.1 | 35.9 | 53.9 |

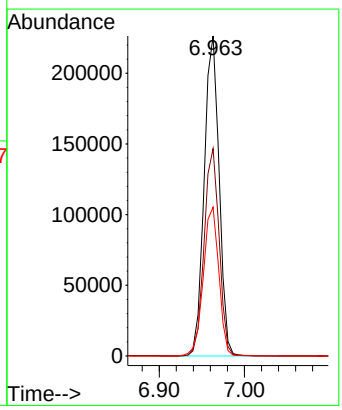


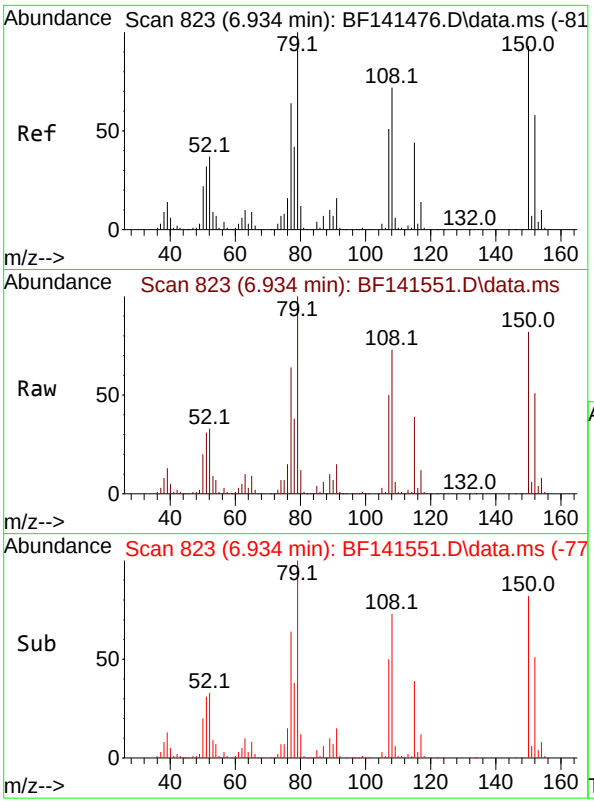




#14
1,2-Dichlorobenzene
Concen: 39.630 ng
RT: 6.963 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:146 Resp: 276132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.8 | 77.6 |
| 111 | 46.5 | 37.0 | 55.4 |



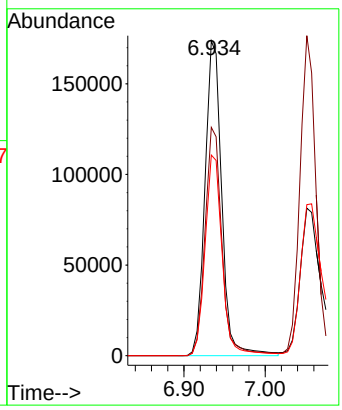


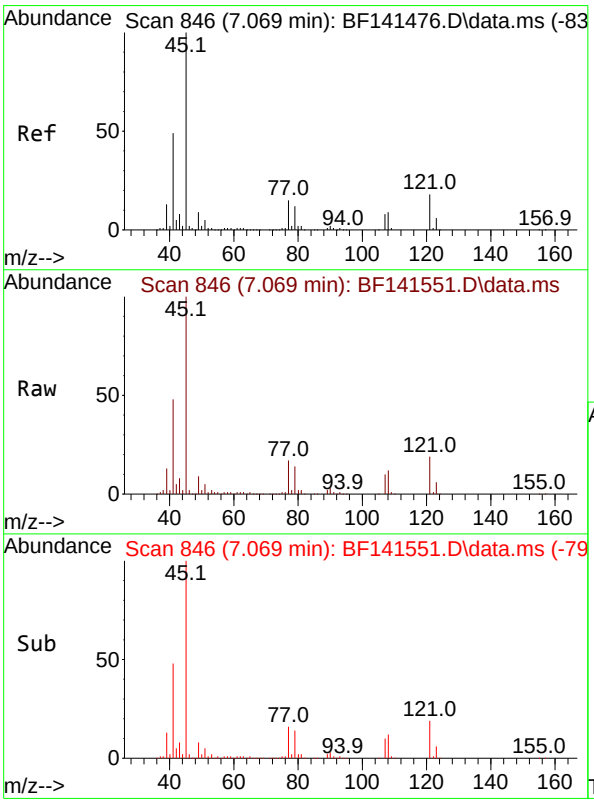

#15
Benzyl Alcohol
Concen: 39.763 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 248245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 72.6 | 57.4 | 86.2 |
| 77 | 63.8 | 50.9 | 76.3 |

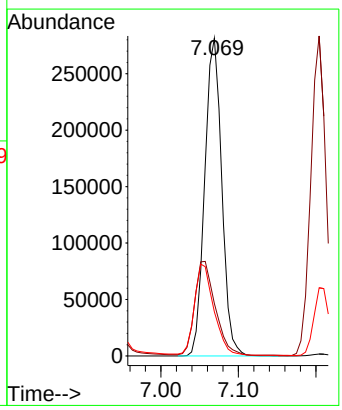


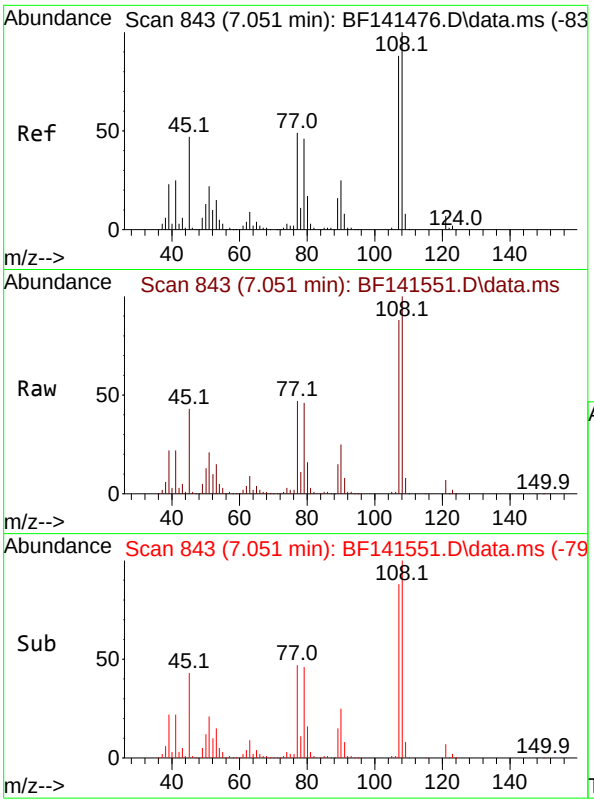




#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.413 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 45 Resp: 429398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 16.5 | 0.0 | 35.8 |
| 79 | 13.9 | 0.0 | 32.7 |



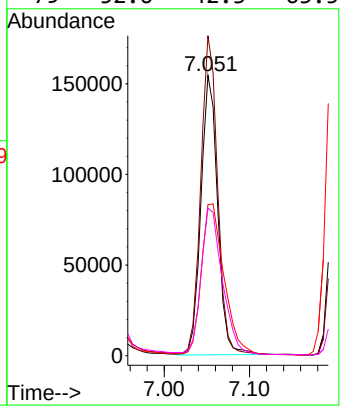


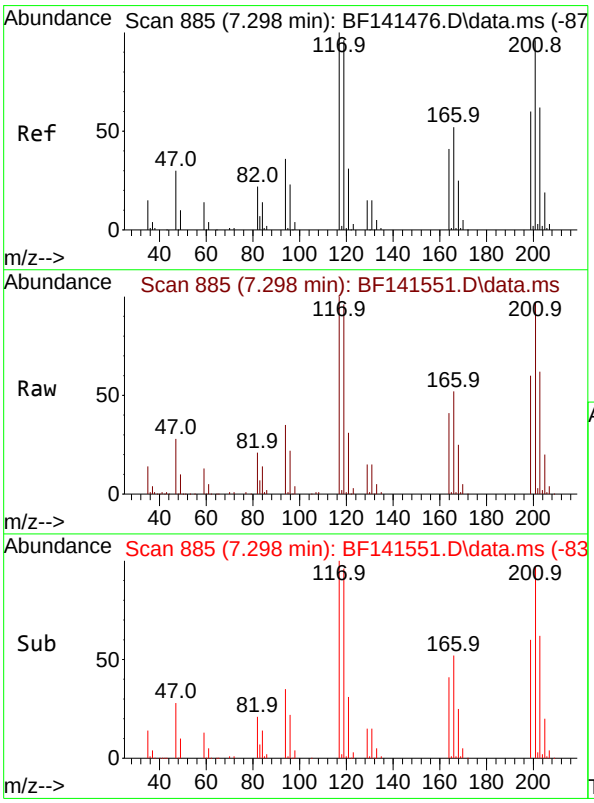

#17
2-Methylphenol
Concen: 38.662 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:107 Resp: 210577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.2 | 90.6 | 136.0 |
| 77 | 53.9 | 44.4 | 66.6 |
| 79 | 52.6 | 42.3 | 63.5 |

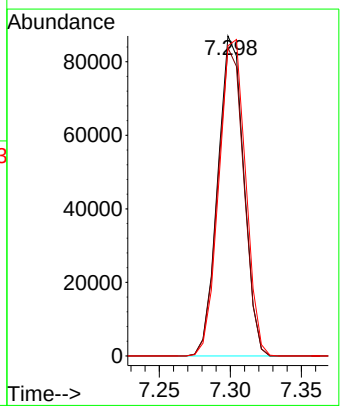


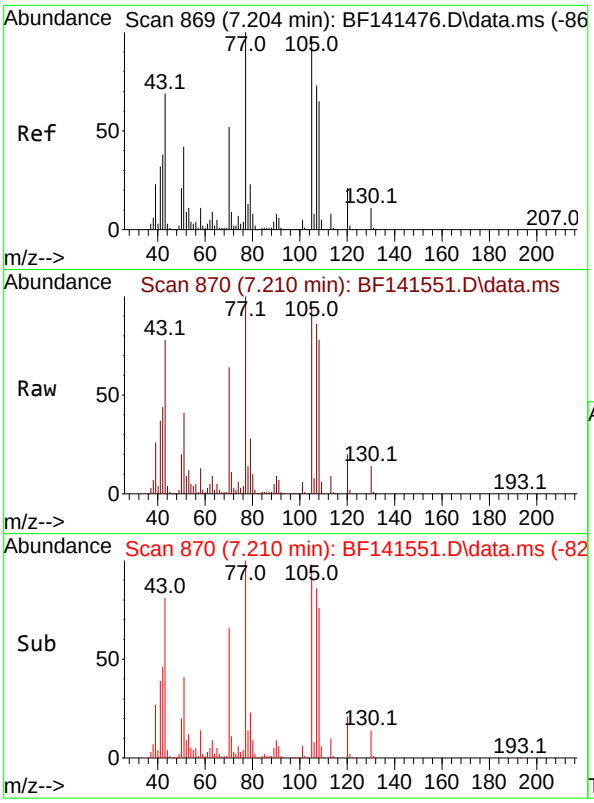




#18
Hexachloroethane
Concen: 39.762 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:117 Resp: 110474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.3 | 76.5 | 114.7 |
| 201 | 97.0 | 76.7 | 115.1 |



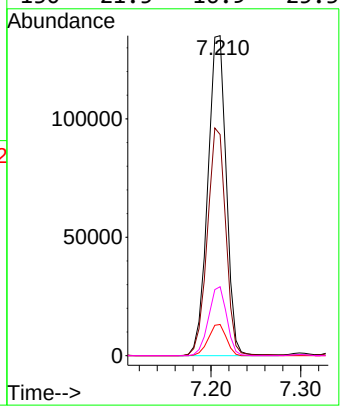


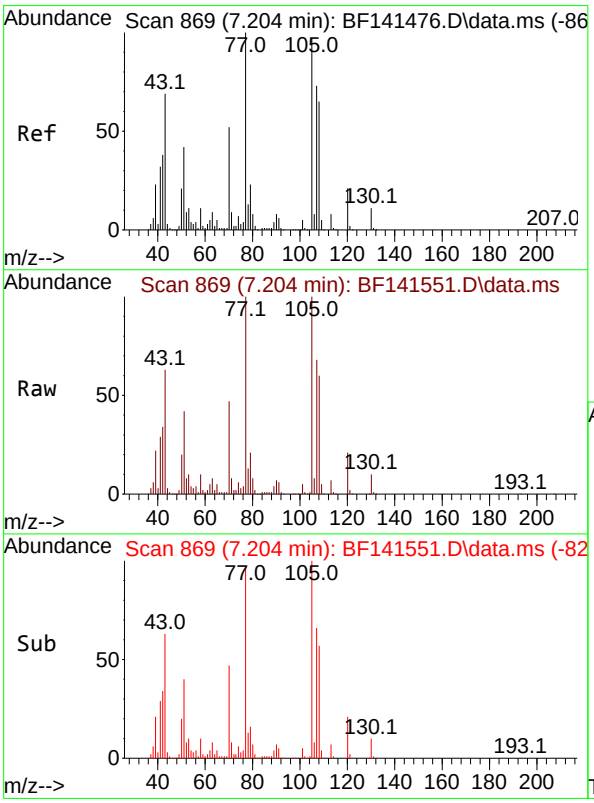

#19
n-Nitroso-di-n-propylamine
Concen: 39.642 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 70 Resp: 193046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 69.1 | 57.4 | 86.2 |
| 101 | 9.7 | 8.0 | 12.0 |
| 130 | 21.5 | 16.9 | 25.3 |

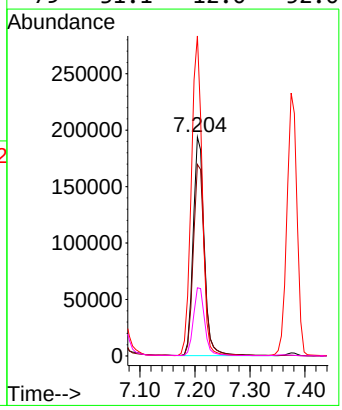


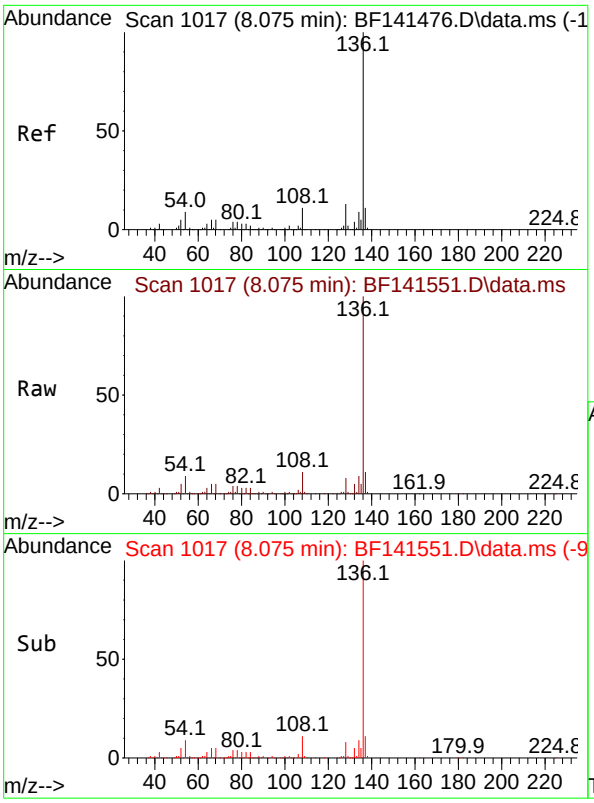




#20
3+4-Methylphenols
Concen: 38.863 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:107 Resp: 269006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 87.5 | 68.5 | 108.5 |
| 77 | 146.2 | 116.5 | 156.5 |
| 79 | 31.1 | 12.0 | 52.0 |



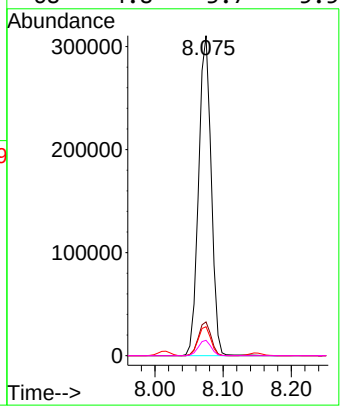


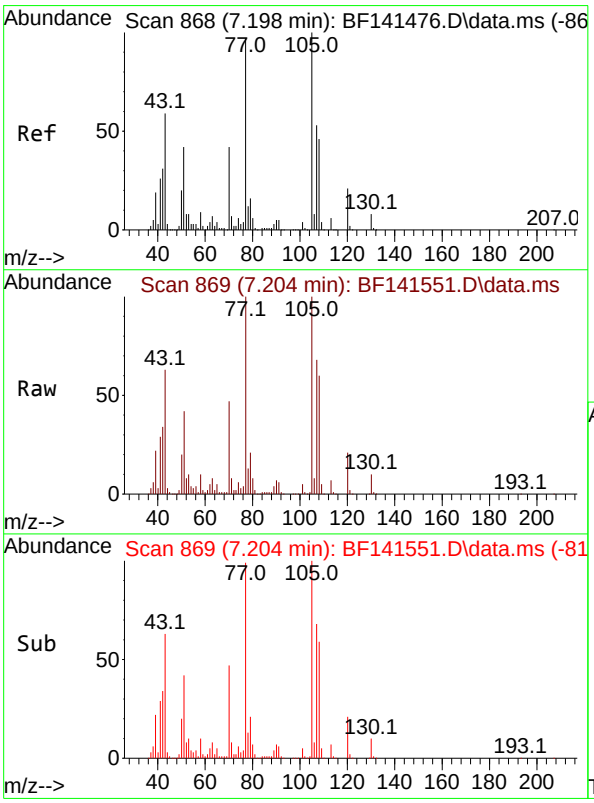

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:136 Resp: 399334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.6 | 13.0 |
| 54 | 9.1 | 7.2 | 10.8 |
| 68 | 4.8 | 3.7 | 5.5 |

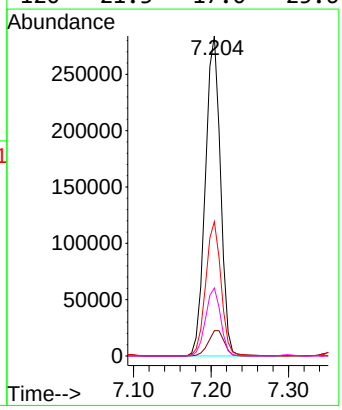


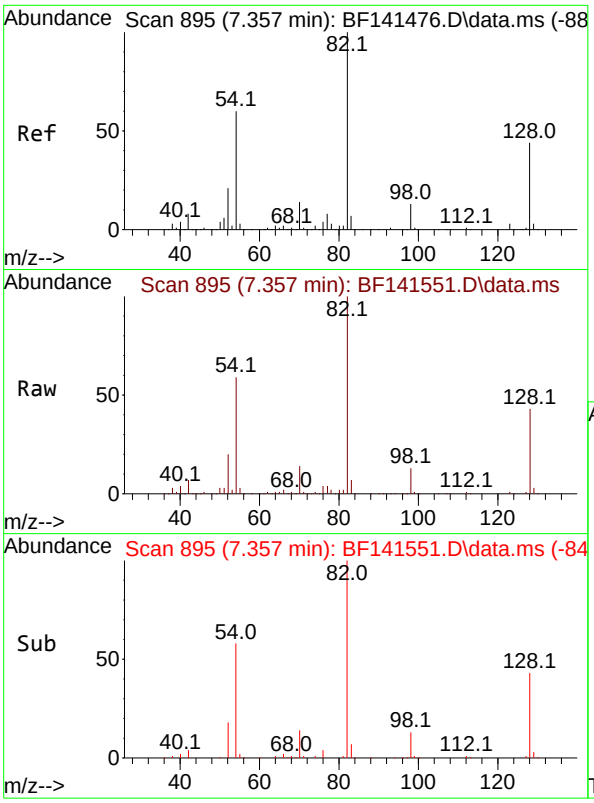




#22
Acetophenone
Concen: 38.884 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:105 Resp: 386258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.9 | 5.7 | 8.5 |
| 51 | 41.9 | 33.7 | 50.5 |
| 120 | 21.3 | 17.0 | 25.6 |



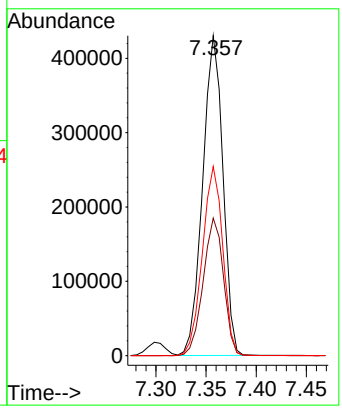


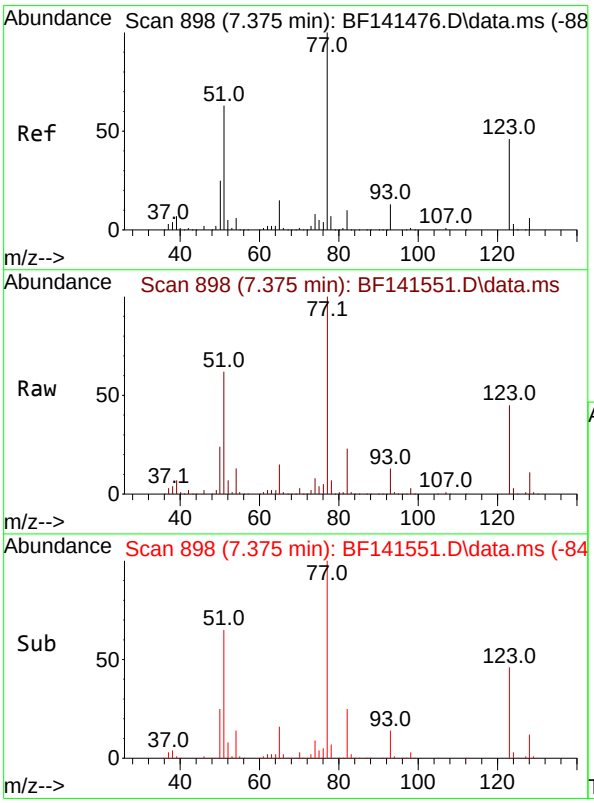

#23
Nitrobenzene-d5
Concen: 79.150 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 605988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.0 | 34.8 | 52.2 |
| 54 | 59.1 | 48.2 | 72.4 |

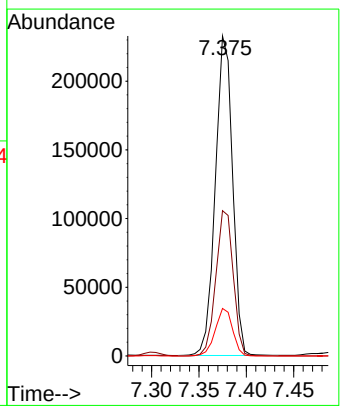


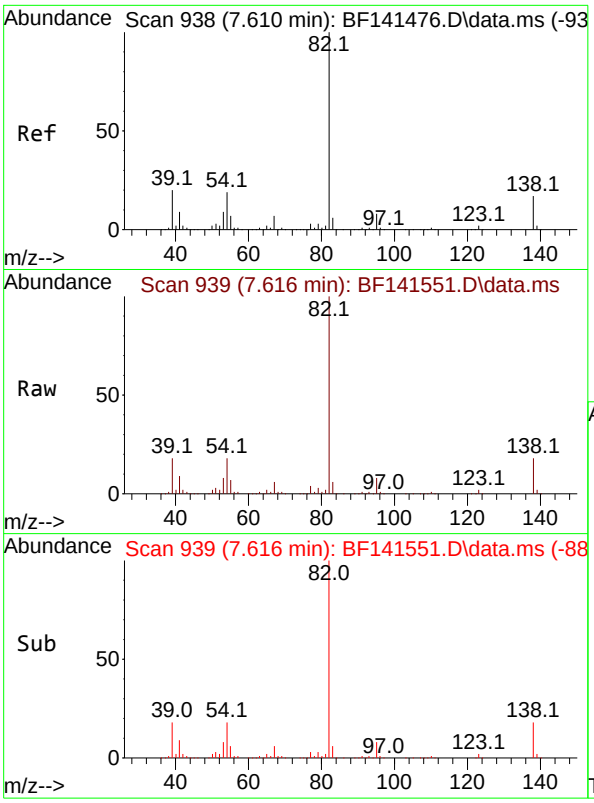




#24
Nitrobenzene
Concen: 39.421 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 77 Resp: 294305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 45.4 | 36.9 | 55.3 |
| 65 | 14.8 | 11.9 | 17.9 |



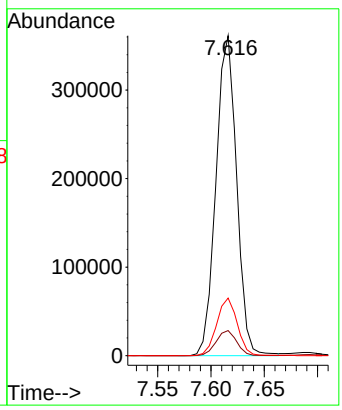


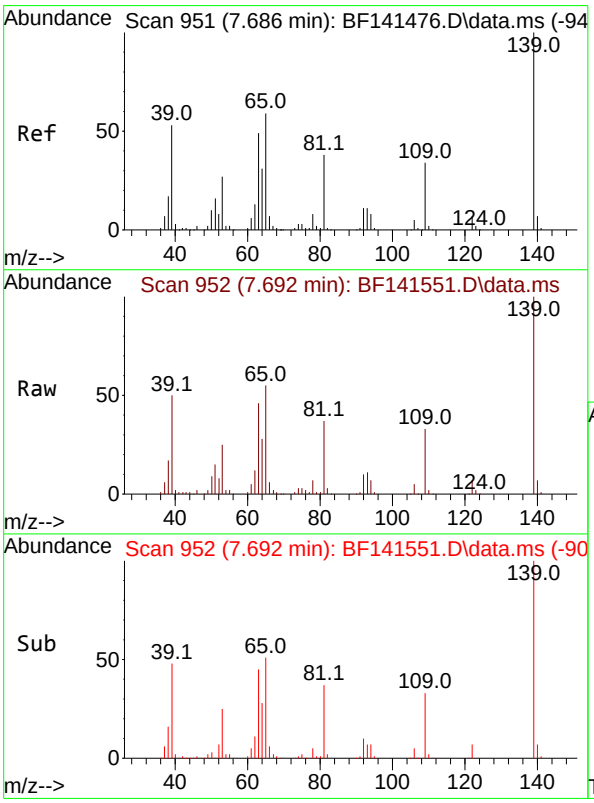

#25
Isophorone
Concen: 39.870 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 486718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.9 | 6.4 | 9.6 |
| 138 | 18.0 | 13.9 | 20.9 |

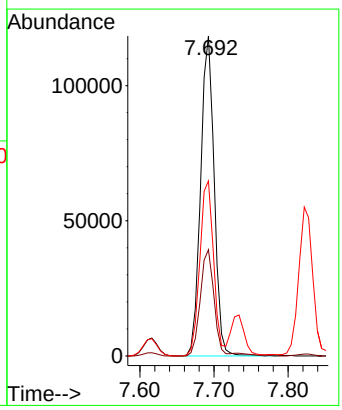


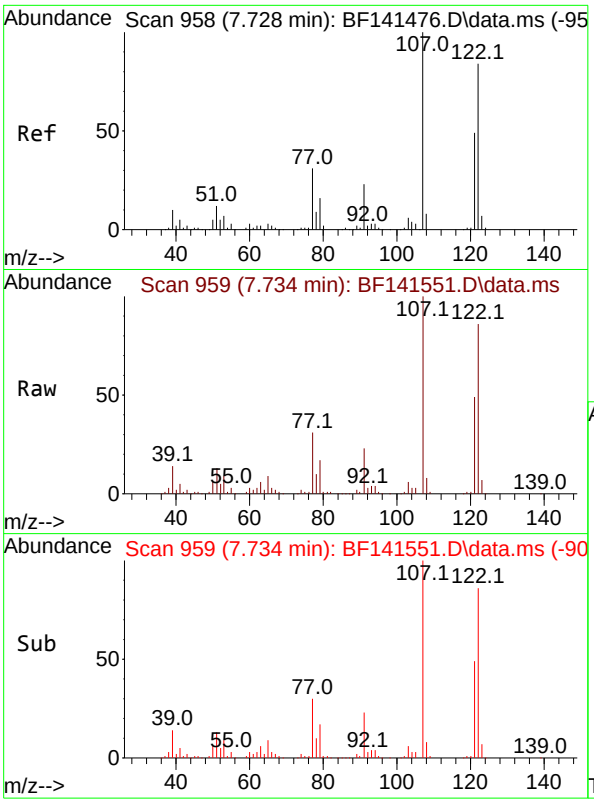




#26
2-Nitrophenol
Concen: 40.688 ng
RT: 7.692 min Scan# 952
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:139 Resp: 151129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.2 | 27.0 | 40.6 |
| 65 | 54.7 | 47.1 | 70.7 |



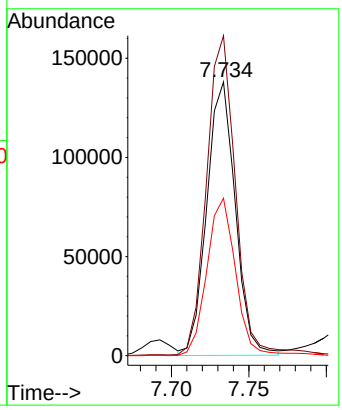


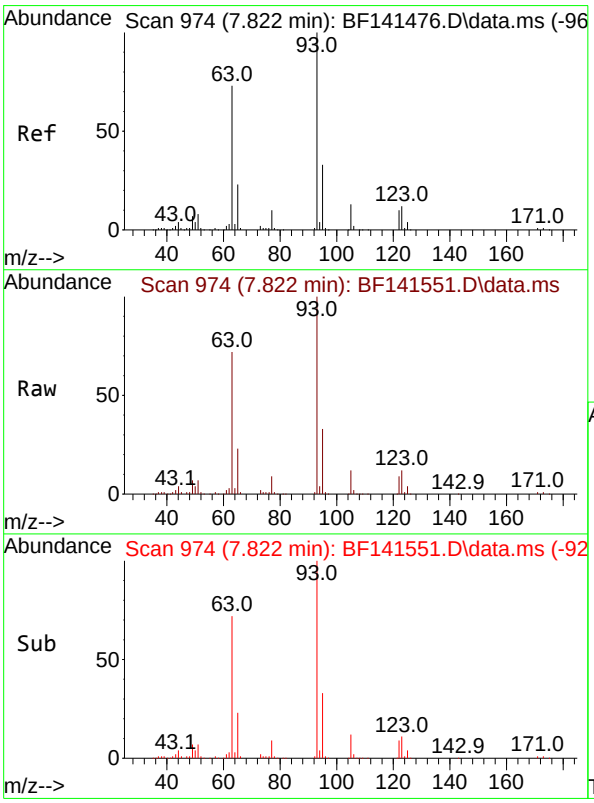

#27
2,4-Dimethylphenol
Concen: 40.742 ng
RT: 7.734 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:122 Resp: 176787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 116.9 | 94.3 | 141.5 |
| 121 | 57.5 | 46.0 | 69.0 |

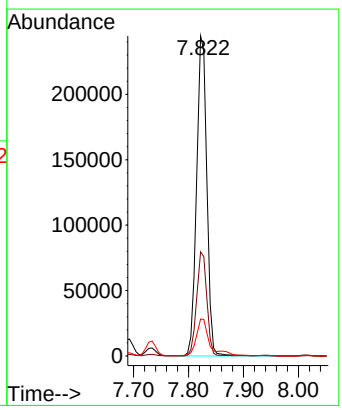


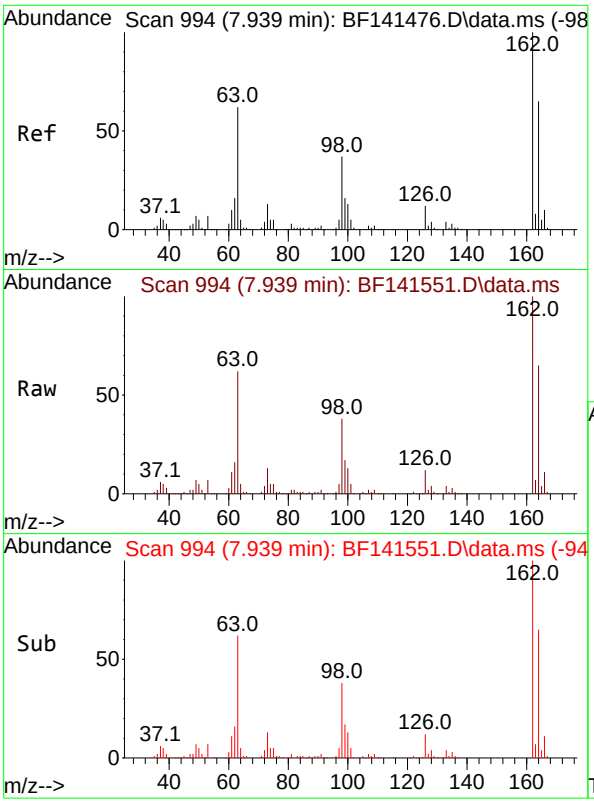




#28
bis(2-Chloroethoxy)methane
Concen: 40.602 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 93 Resp: 317603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.5 | 26.1 | 39.1 |
| 123 | 11.6 | 9.5 | 14.3 |



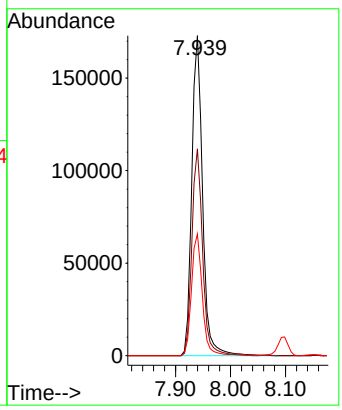


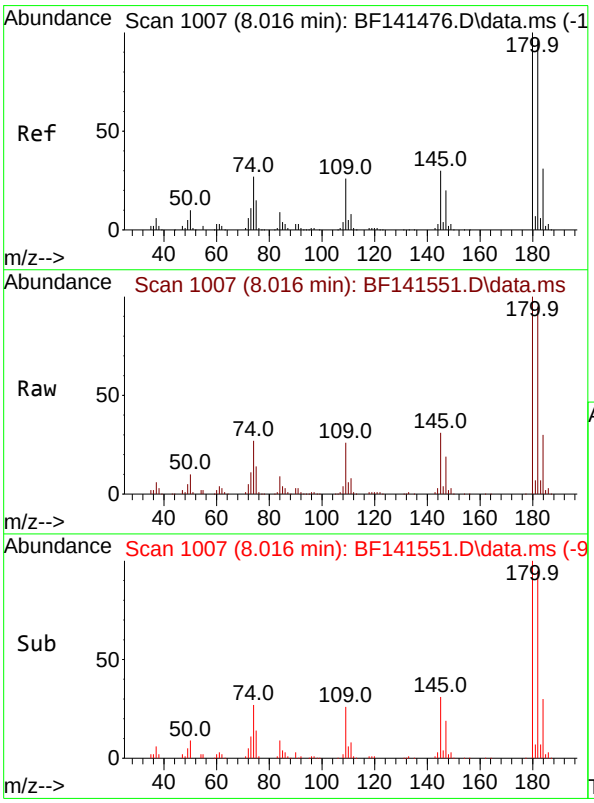

#29
2,4-Dichlorophenol
Concen: 40.207 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 235725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.6 | 44.6 | 84.6 |
| 98 | 38.1 | 17.2 | 57.2 |

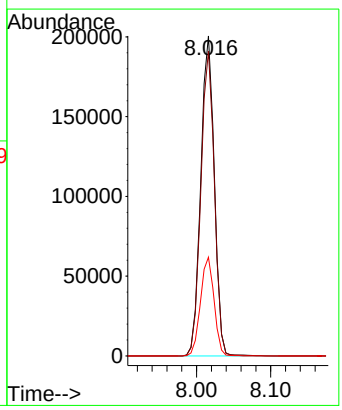


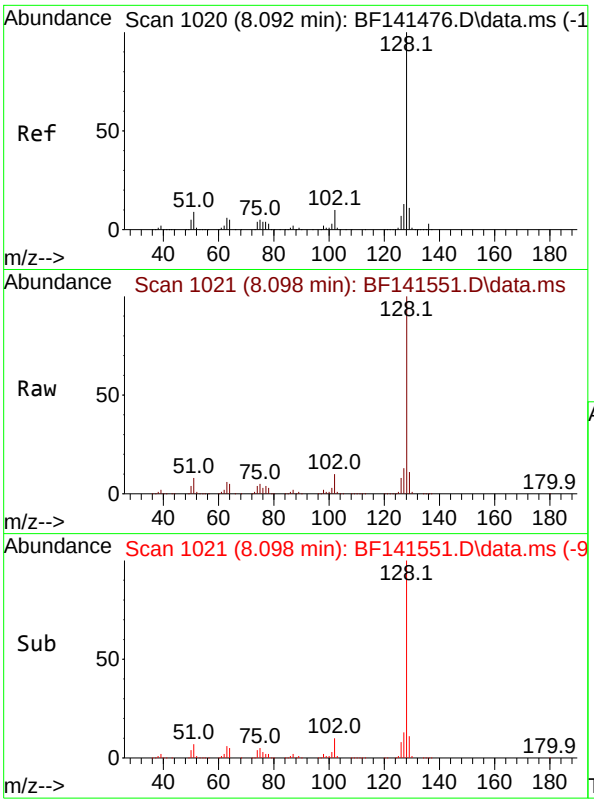




#30
1,2,4-Trichlorobenzene
Concen: 39.881 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:180 Resp: 254617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 76.8 | 115.2 |
| 145 | 30.9 | 24.2 | 36.4 |



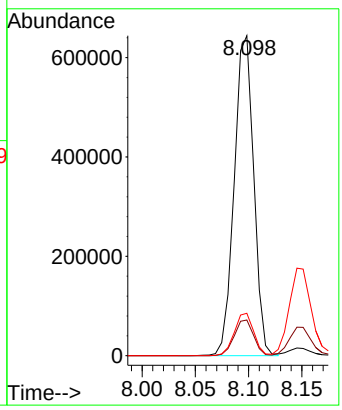


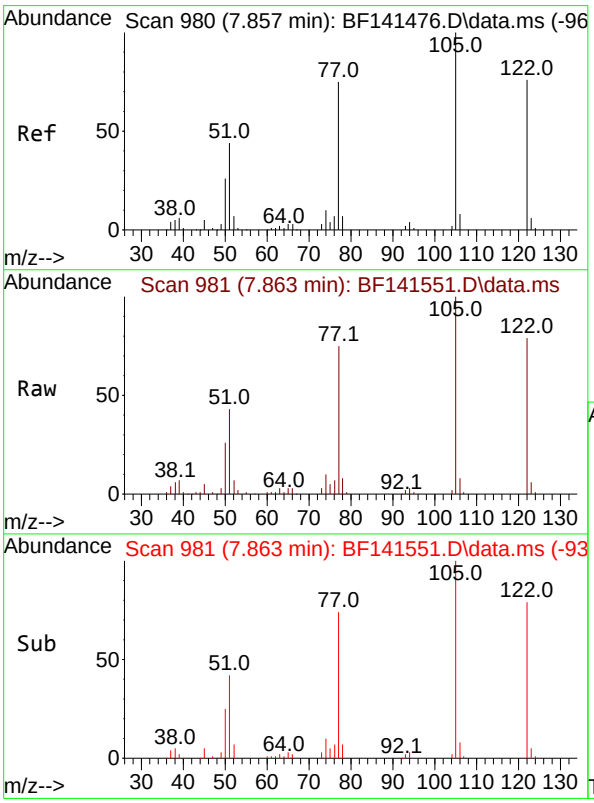

#31
Naphthalene
Concen: 39.496 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:128 Resp: 820994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.9 | 13.3 |
| 127 | 13.2 | 10.7 | 16.1 |

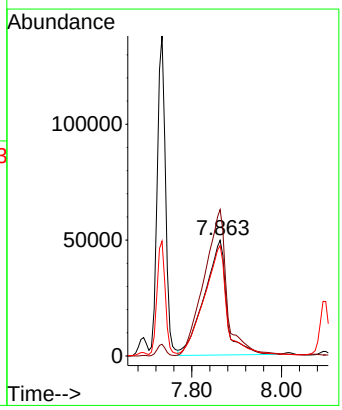


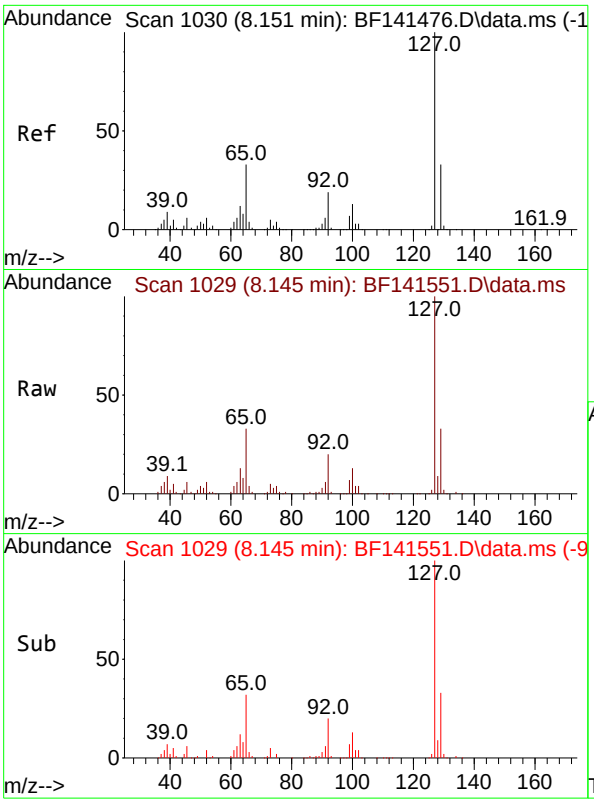




#32
Benzoic acid
Concen: 38.109 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.029 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:122 Resp: 171762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 126.5 | 106.5 | 146.5 |
| 77 | 95.4 | 76.3 | 116.3 |



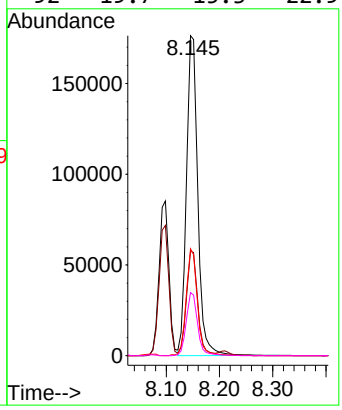


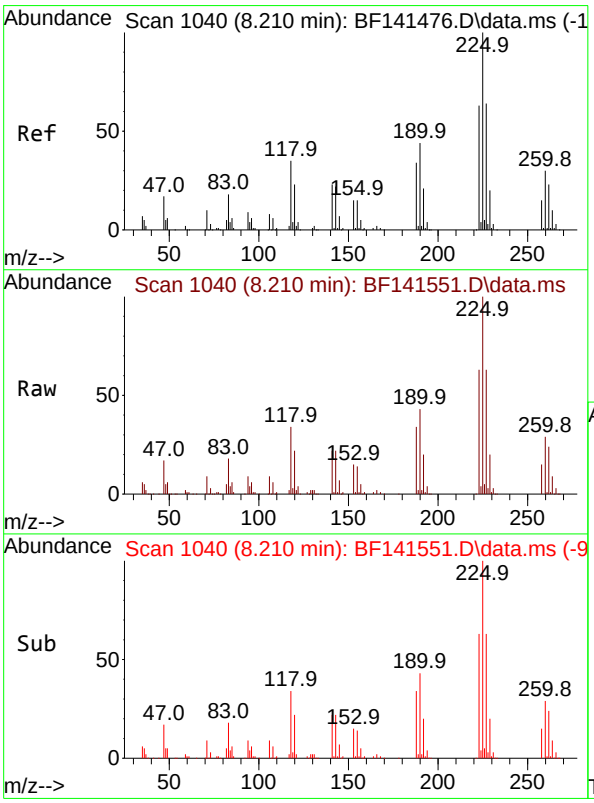

#33
4-Chloroaniline
Concen: 35.922 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:127 Resp: 260705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.6 | 26.5 | 39.7 |
| 65 | 33.4 | 26.4 | 39.6 |
| 92 | 19.7 | 15.3 | 22.9 |

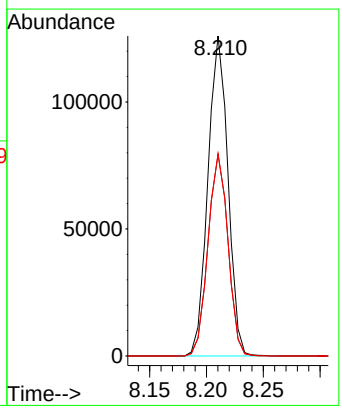


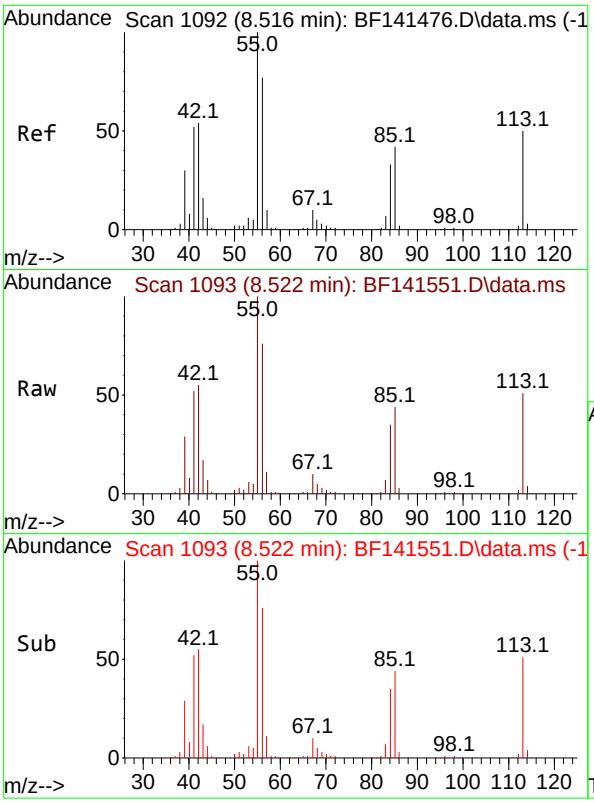




#34
Hexachlorobutadiene
Concen: 40.212 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:225 Resp: 154125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 50.1 | 75.1 |
| 227 | 63.1 | 51.0 | 76.6 |



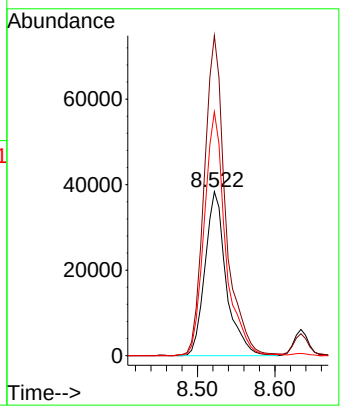


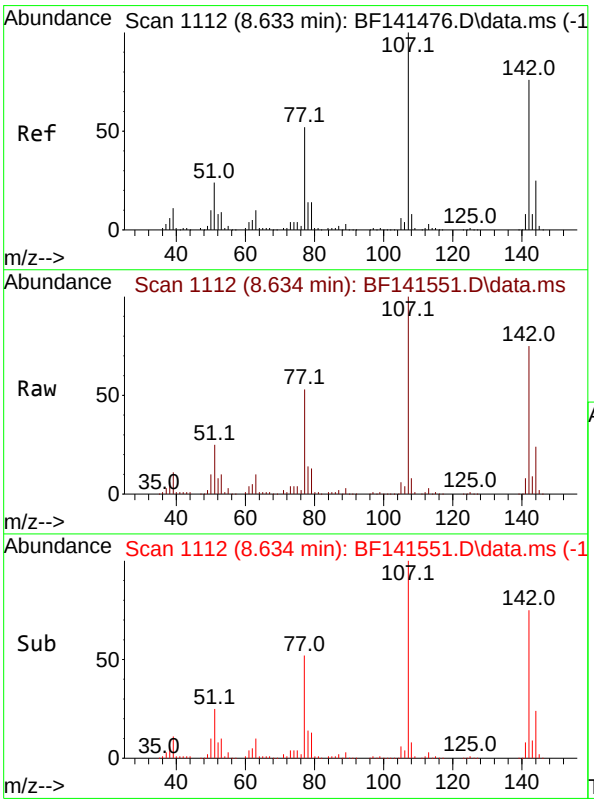

#35
Caprolactam
Concen: 40.821 ng
RT: 8.522 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:113 Resp: 72868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 195.1 | 180.8 | 220.8 |
| 56 | 148.7 | 133.6 | 173.6 |

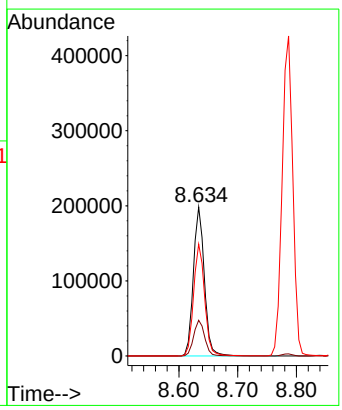


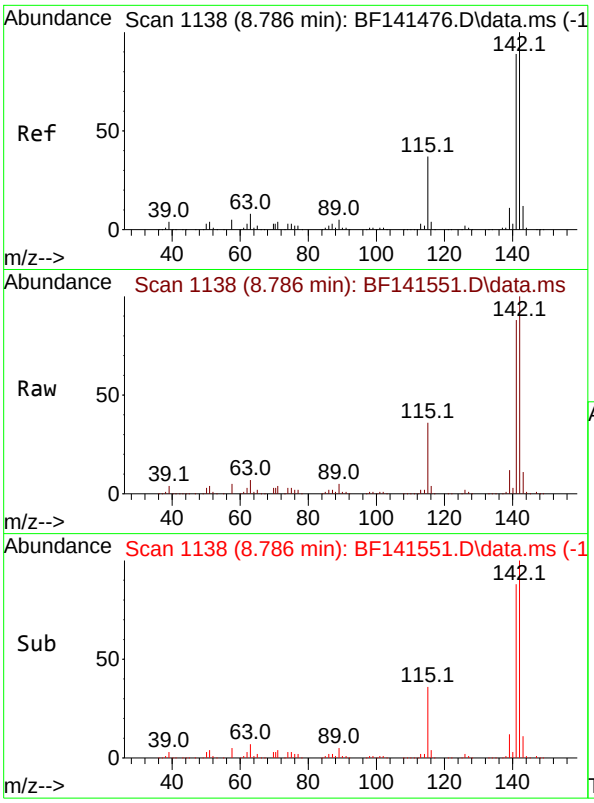




#36
4-Chloro-3-methylphenol
Concen: 39.838 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:107 Resp: 258721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.0 | 19.7 | 29.5 |
| 142 | 75.1 | 60.8 | 91.2 |



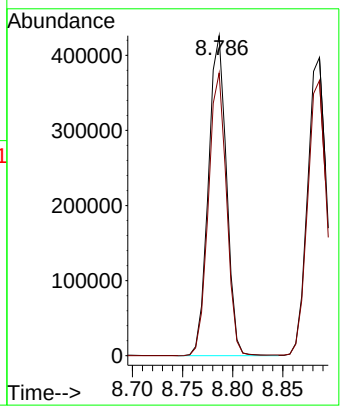


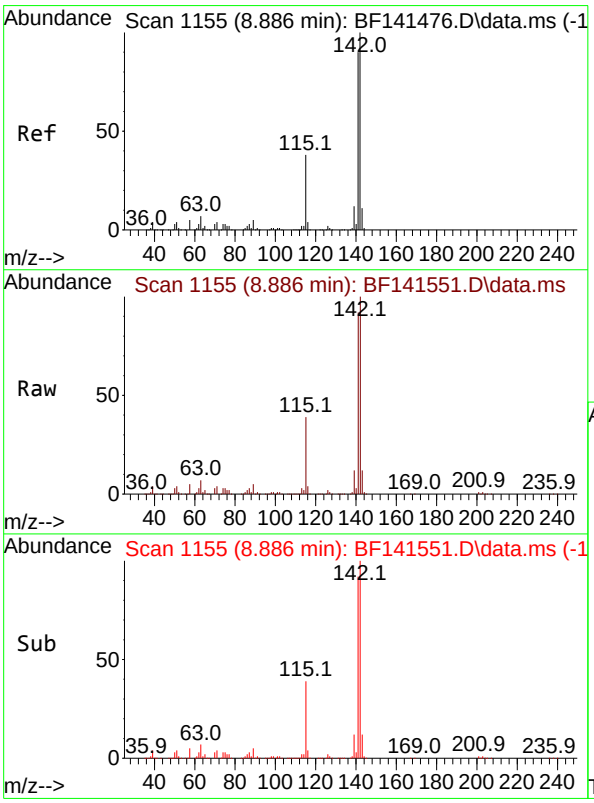

#37
2-Methylnaphthalene
Concen: 39.589 ng
RT: 8.786 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:142 Resp: 535507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.4 | 71.2 | 106.8 |

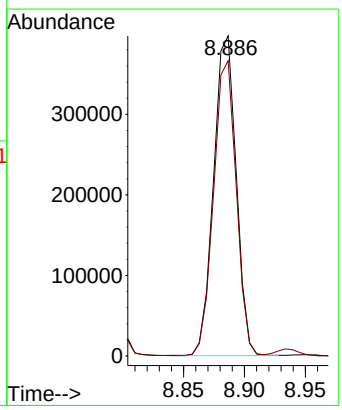


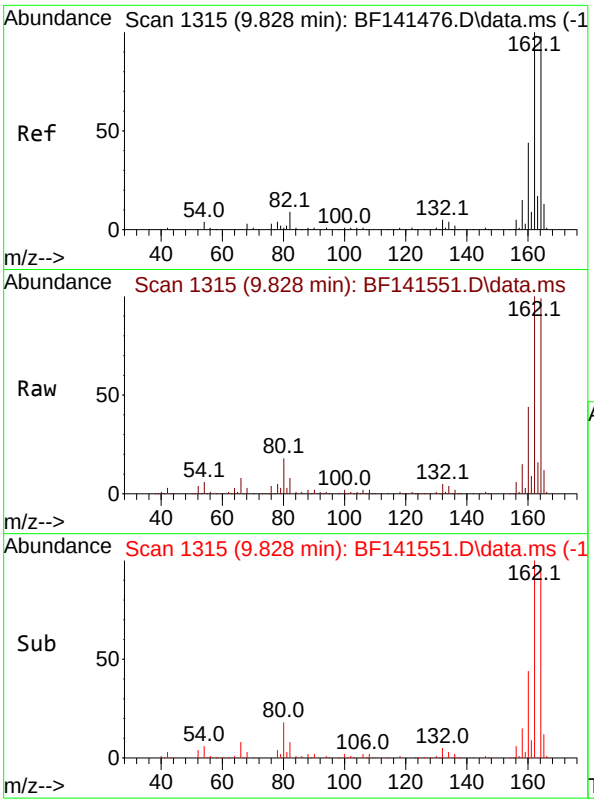




#38
1-Methylnaphthalene
Concen: 39.172 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:142 Resp: 513186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.3 | 72.1 | 108.1 |



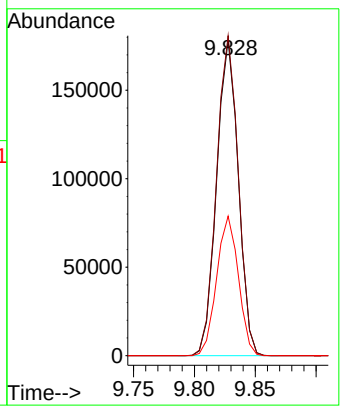


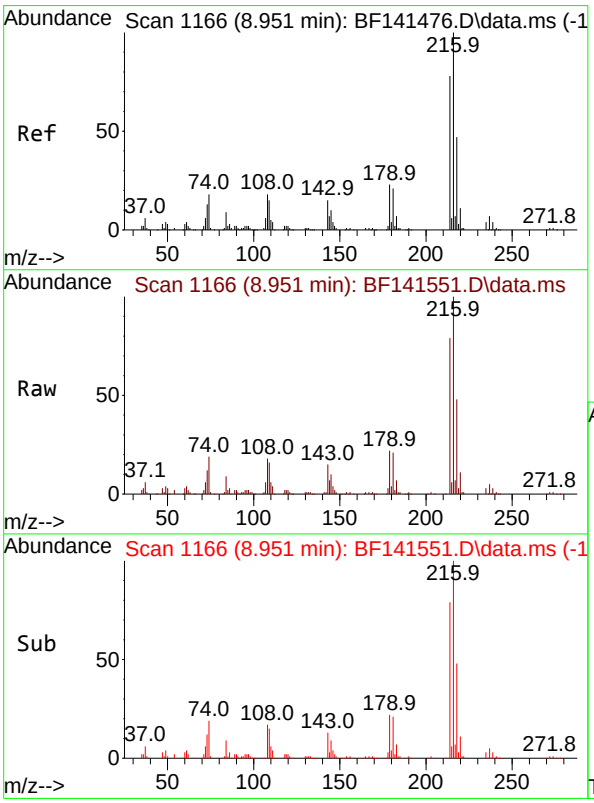

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:164 Resp: 220290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.4 | 81.3 | 121.9 |
| 160 | 44.2 | 35.9 | 53.9 |

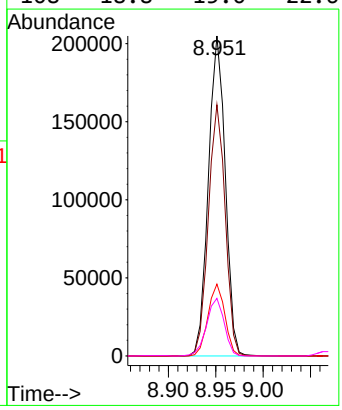


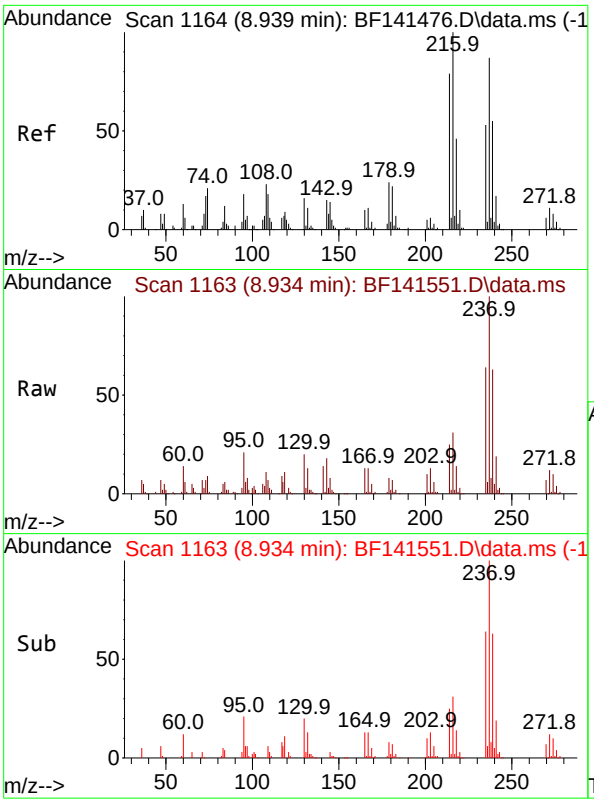




#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.721 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:216 Resp: 253153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.3 | 62.3 | 93.5 |
| 179 | 22.4 | 18.0 | 27.0 |
| 108 | 18.8 | 15.0 | 22.6 |



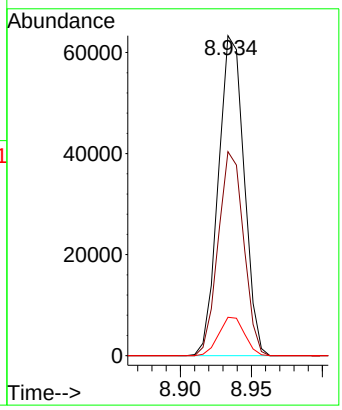


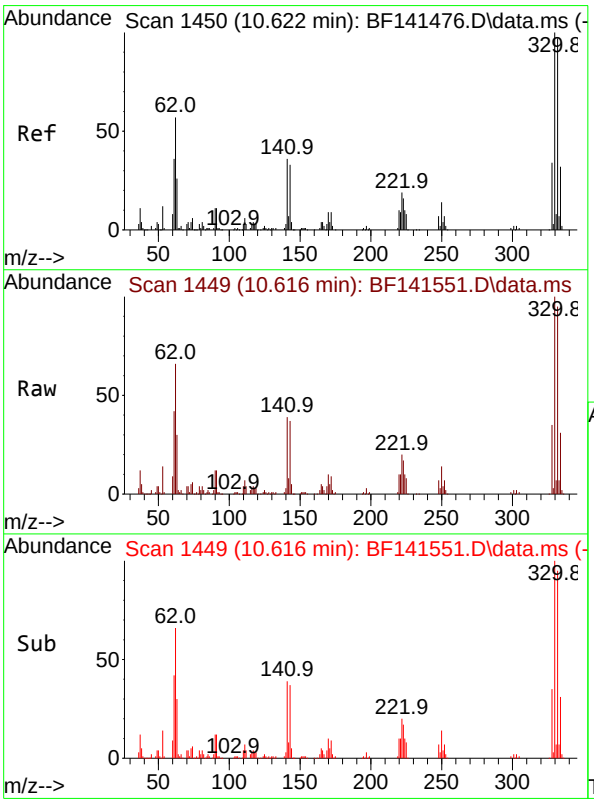

#41
Hexachlorocyclopentadiene
Concen: 37.607 ng
RT: 8.934 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:237 Resp: 79719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.7 | 41.4 | 81.4 |
| 272 | 12.0 | 0.0 | 32.4 |

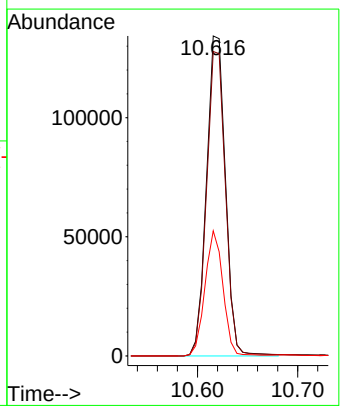


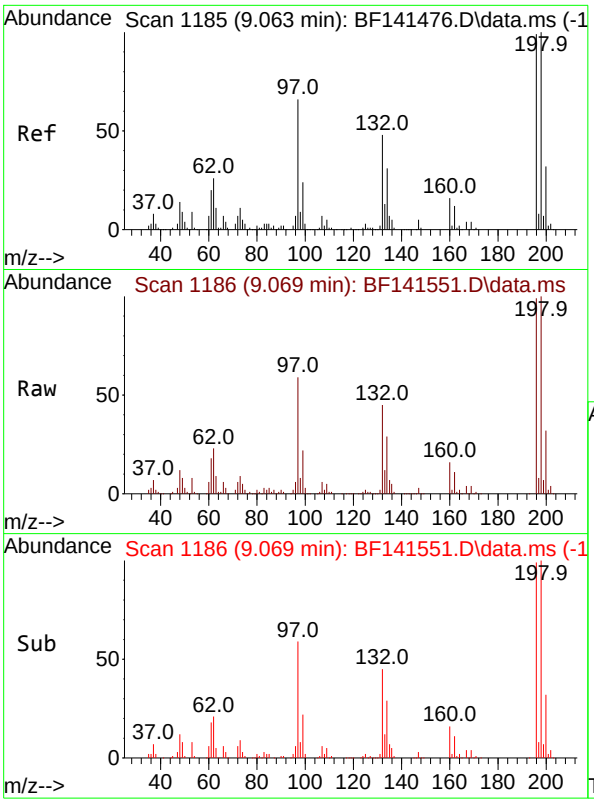




#42
2,4,6-Tribromophenol
Concen: 79.892 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:330 Resp: 176794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.0 | 78.5 | 117.7 |
| 141 | 37.3 | 31.0 | 46.4 |



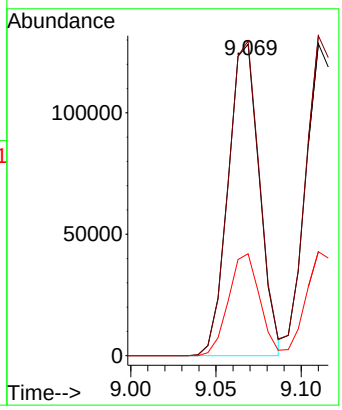


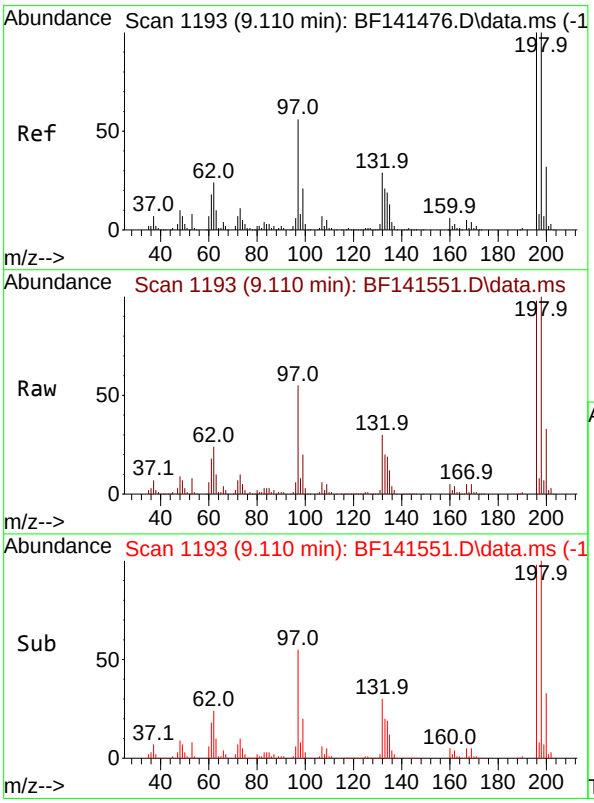

#43
2,4,6-Trichlorophenol
Concen: 39.916 ng
RT: 9.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:196 Resp: 164418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.1 | 80.6 | 121.0 |
| 200 | 32.7 | 25.5 | 38.3 |

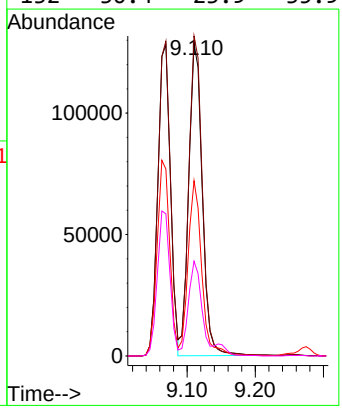


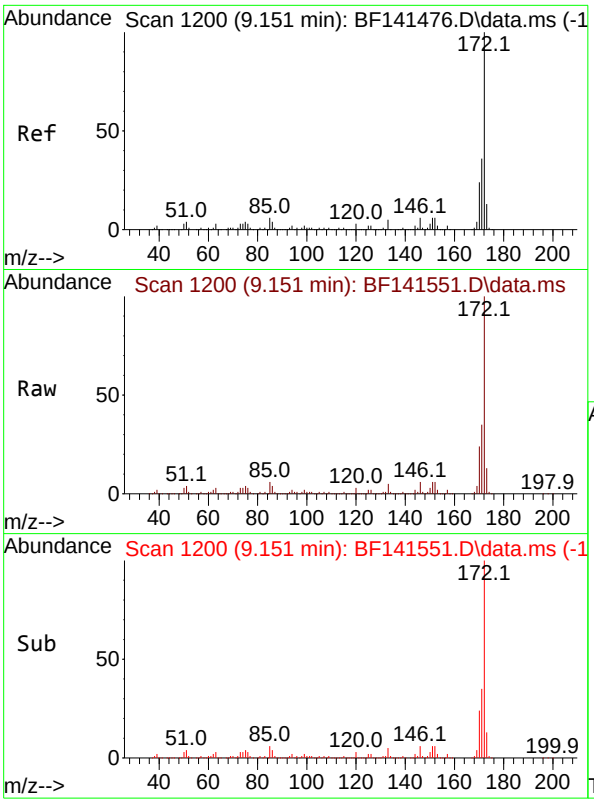




#44
2,4,5-Trichlorophenol
Concen: 39.574 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:196 Resp: 176666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 102.6 | 79.8 | 119.8 |
| 97 | 56.2 | 44.8 | 67.2 |
| 132 | 30.4 | 23.9 | 35.9 |



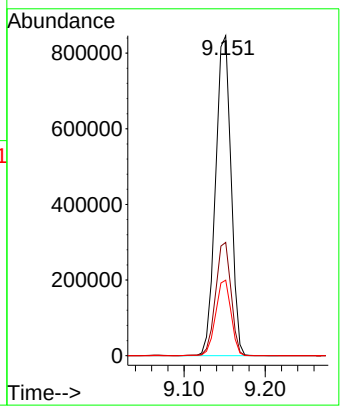


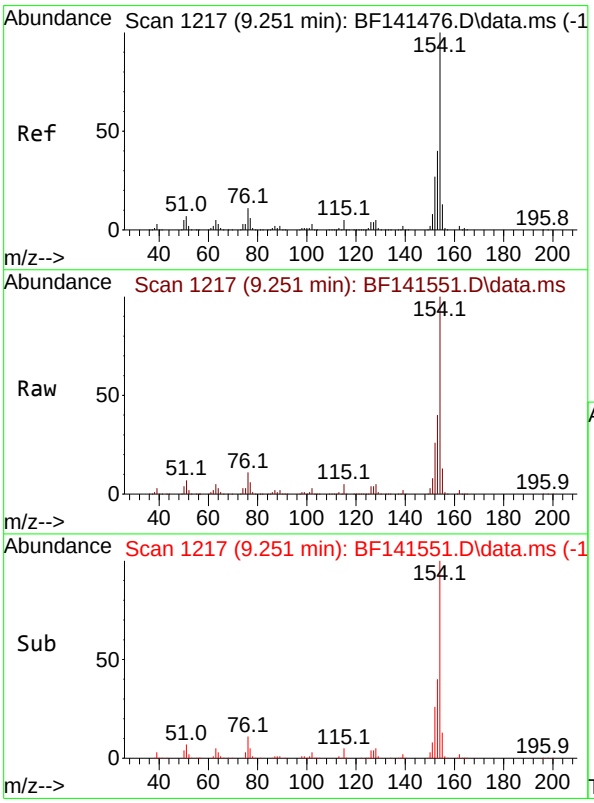

#45
2-Fluorobiphenyl
Concen: 78.338 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:172 Resp: 1120127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.7 | 43.1 |
| 170 | 23.6 | 18.9 | 28.3 |

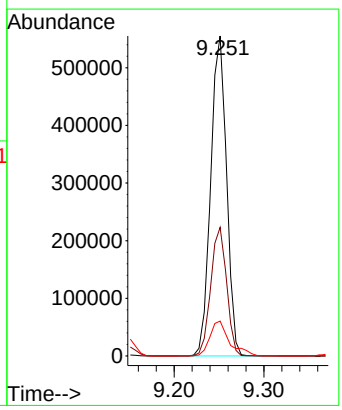


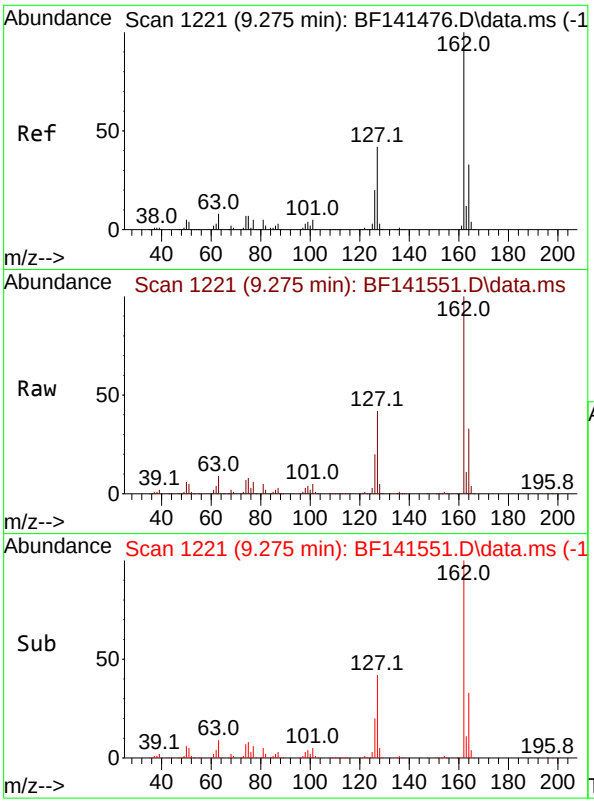




#46
1,1'-Biphenyl
Concen: 39.828 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:154 Resp: 680211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.2 | 20.4 | 60.4 |
| 76 | 10.9 | 0.0 | 30.8 |



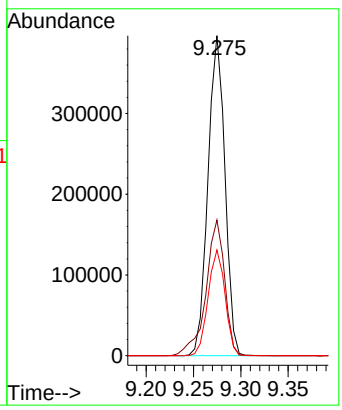


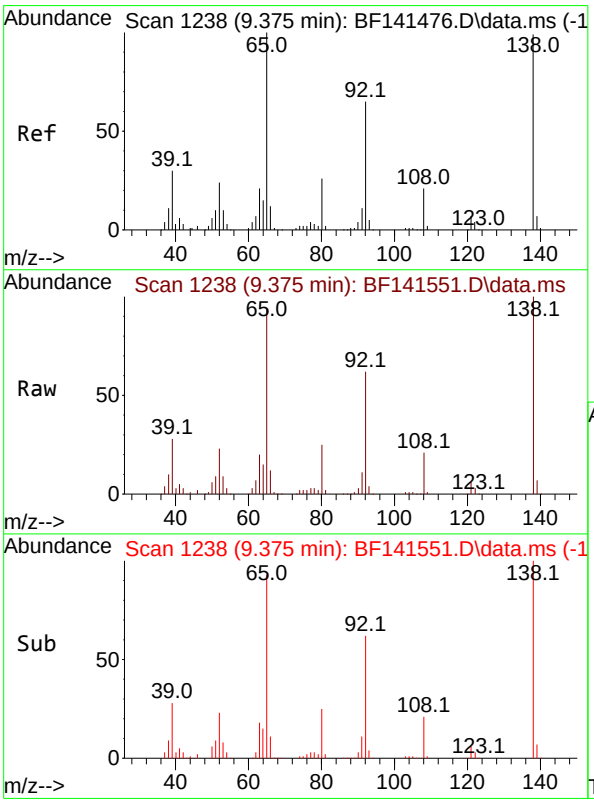

#47
2-Chloronaphthalene
Concen: 39.175 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 494742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.4 | 34.1 | 51.1 |
| 164 | 33.0 | 26.3 | 39.5 |

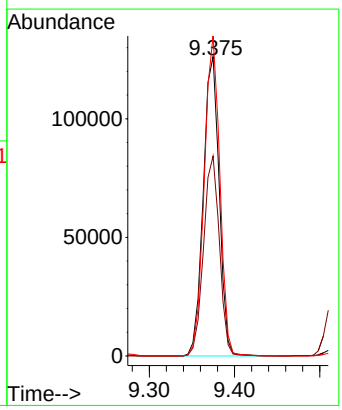


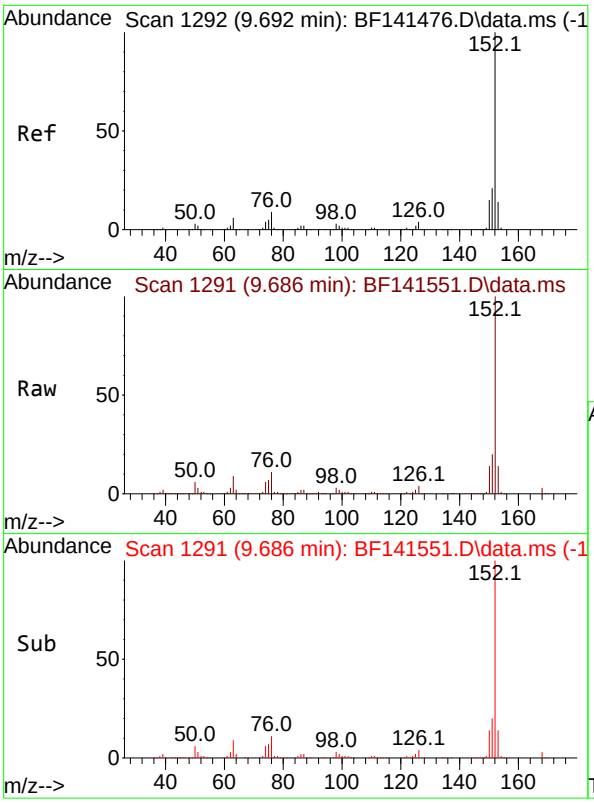




#48
2-Nitroaniline
Concen: 38.652 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 65 Resp: 163823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 66.8 | 52.2 | 78.2 |
| 138 | 106.9 | 79.5 | 119.3 |



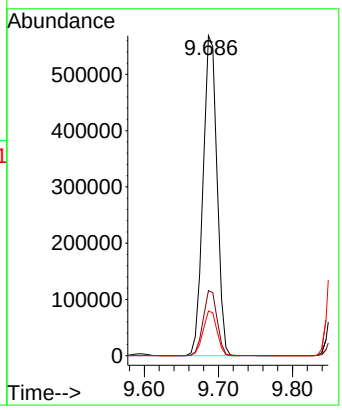


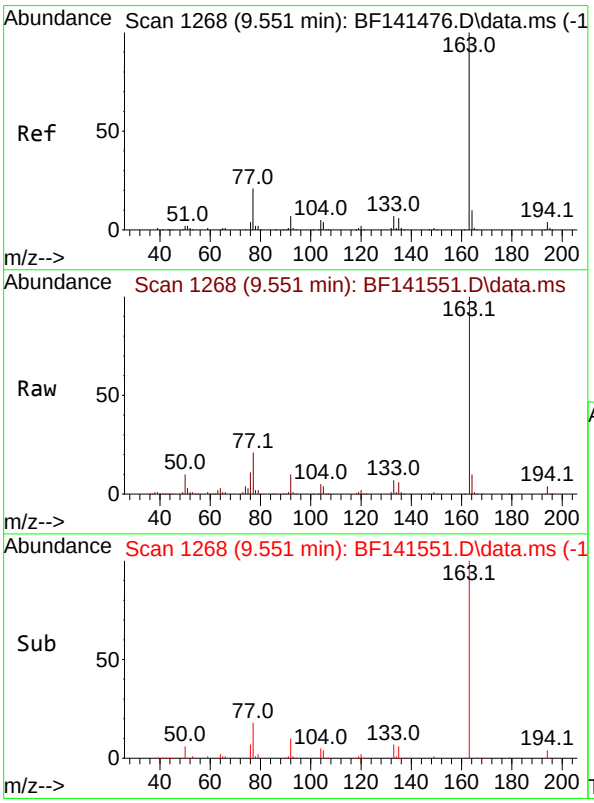

#49
Acenaphthylene
Concen: 39.549 ng
RT: 9.686 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 742913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.4 | 16.4 | 24.6 |
| 153 | 14.0 | 10.9 | 16.3 |

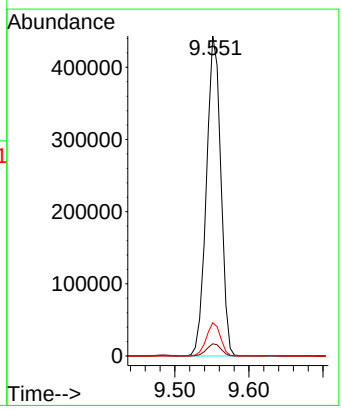


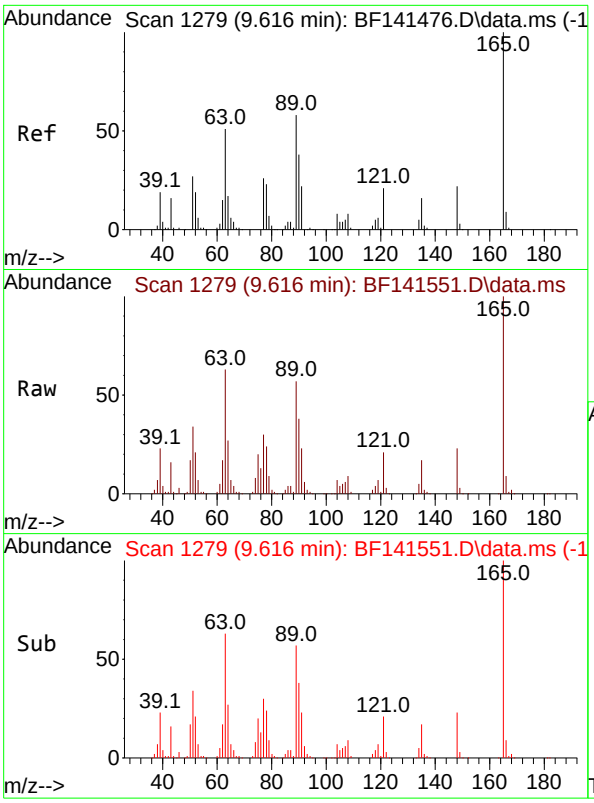




#50
Dimethylphthalate
Concen: 40.052 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:163 Resp: 598973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.4 |
| 164 | 10.4 | 7.9 | 11.9 |



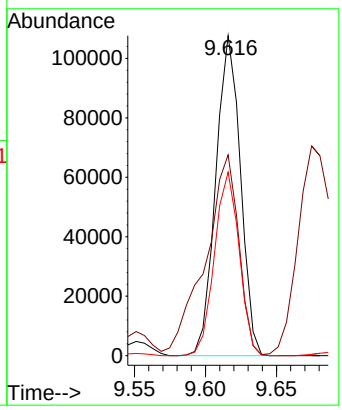


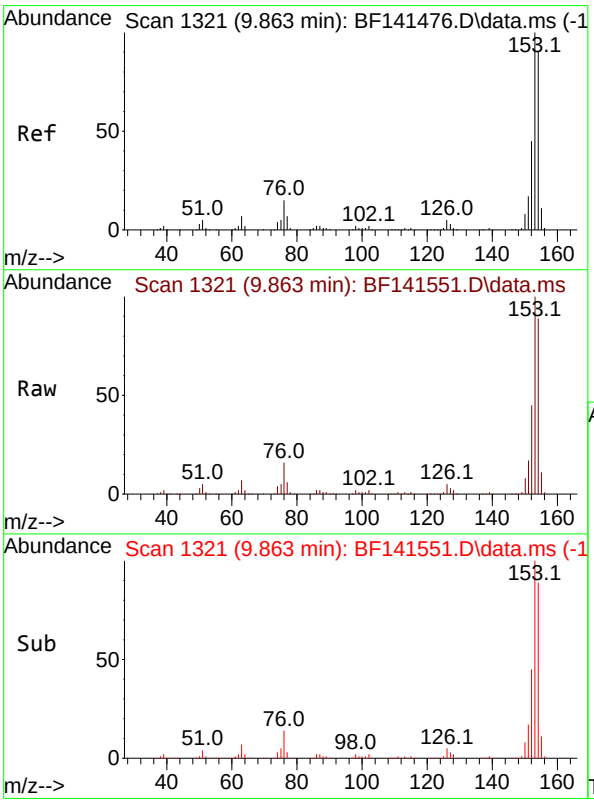

#51
2,6-Dinitrotoluene
Concen: 39.707 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 129812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 62.7 | 49.4 | 74.0 |
| 89 | 57.4 | 46.5 | 69.7 |

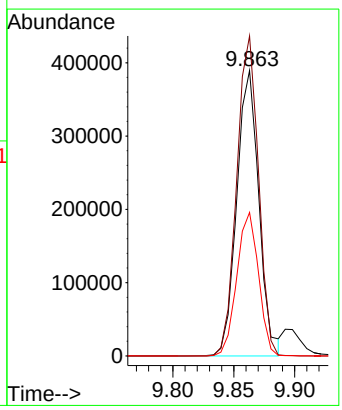


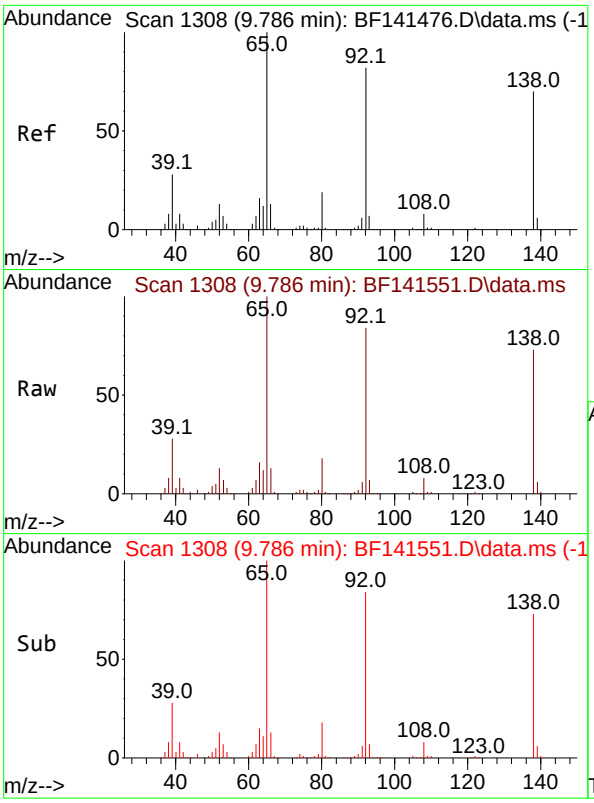




#52
Acenaphthene
Concen: 39.125 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:154 Resp: 494087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.1 | 89.2 | 133.8 |
| 152 | 50.3 | 39.8 | 59.8 |



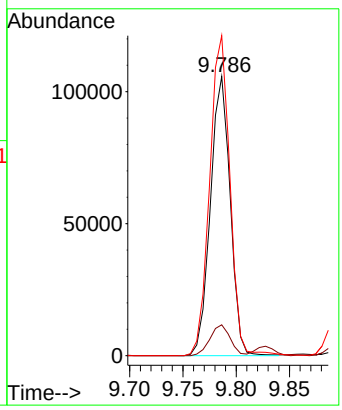


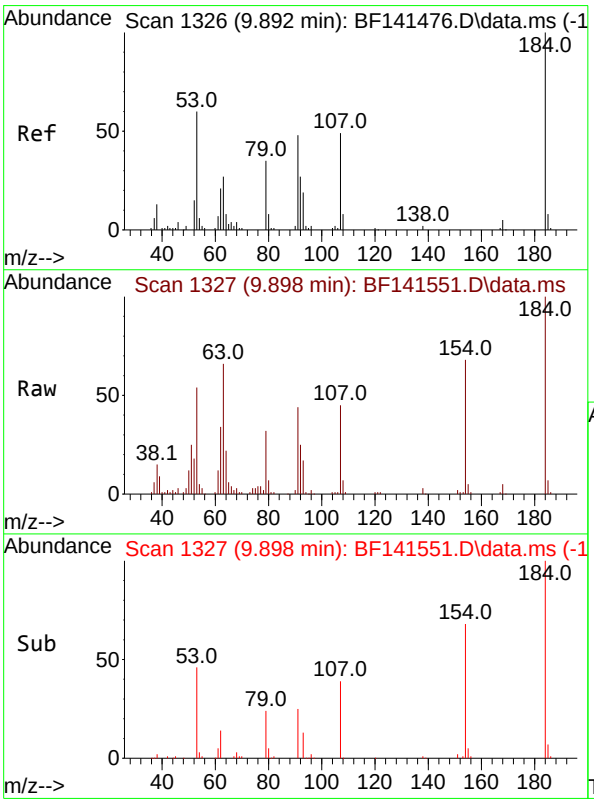

#53
3-Nitroaniline
Concen: 38.855 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:138 Resp: 136720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.1 | 9.0 | 13.4 |
| 92 | 114.6 | 93.7 | 140.5 |

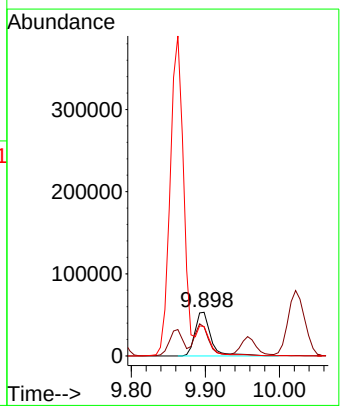


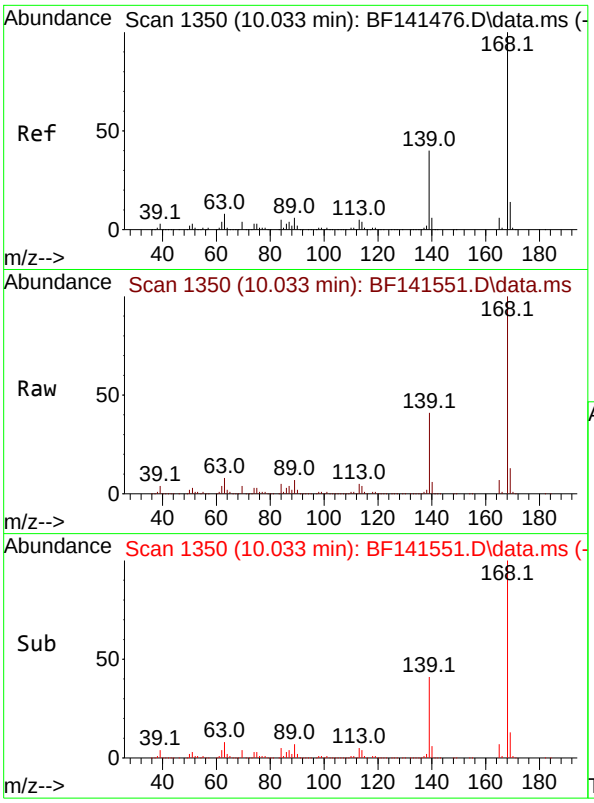




#54
2,4-Dinitrophenol
Concen: 41.042 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:184 Resp: 79744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 66.2 | 61.0 | 91.6 |
| 154 | 67.5 | 59.9 | 89.9 |



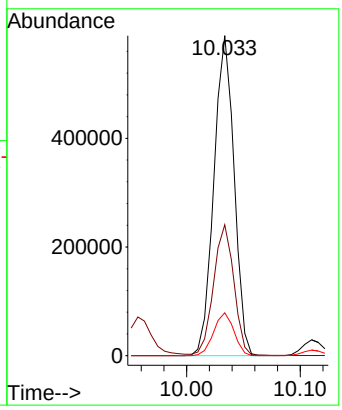


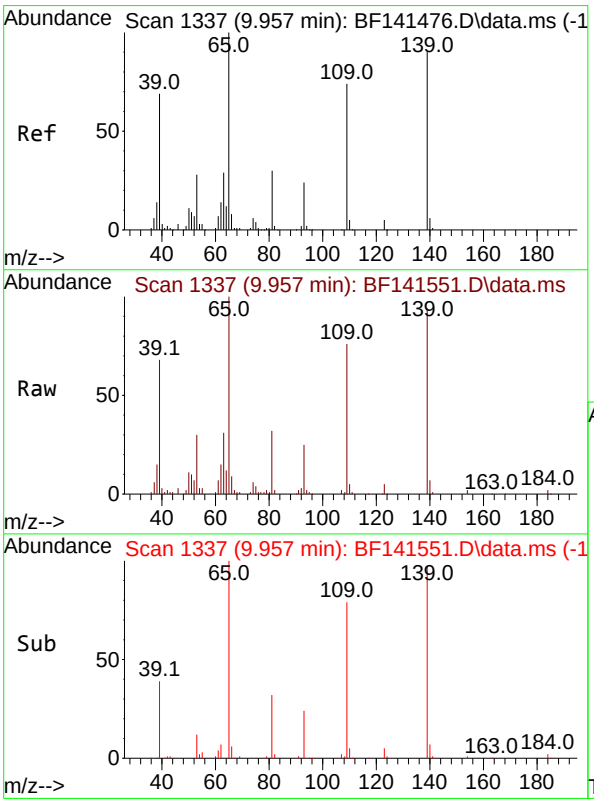

#55
Dibenzofuran
Concen: 39.291 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:168 Resp: 728307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.9 | 32.7 | 49.1 |
| 169 | 13.4 | 10.8 | 16.2 |

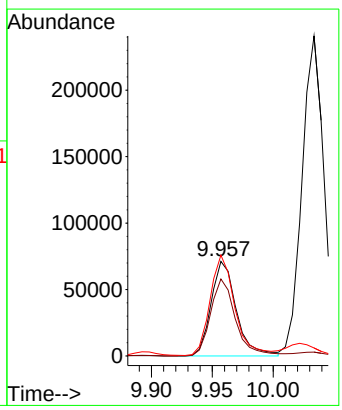


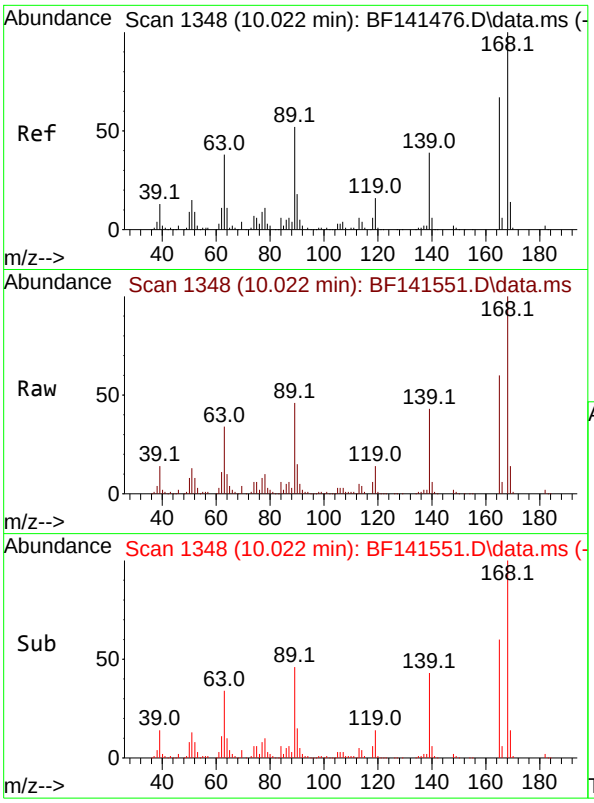




#56
4-Nitrophenol
Concen: 39.275 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:139 Resp: 102589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 81.4 | 62.0 | 102.0 |
| 65 | 106.5 | 91.2 | 131.2 |



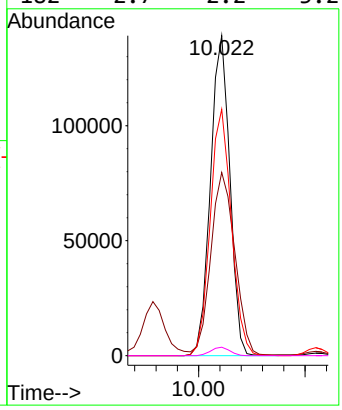


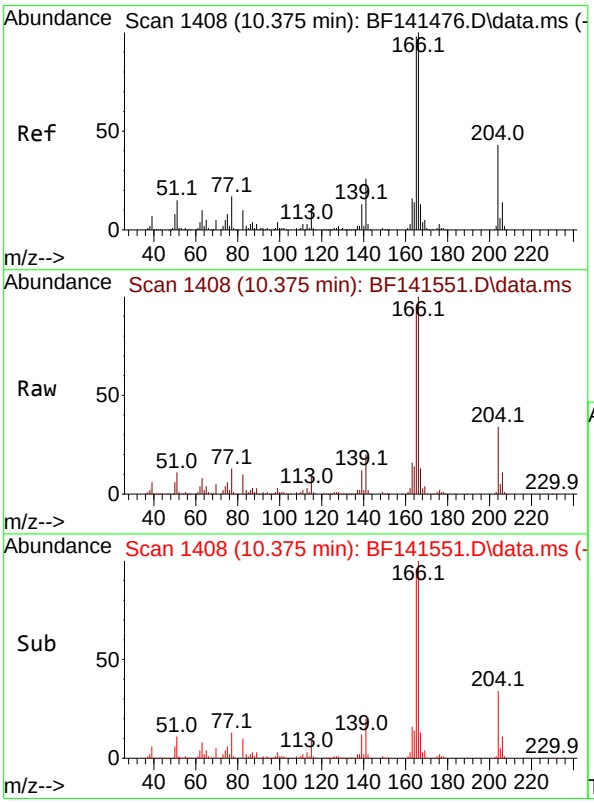

#57
2,4-Dinitrotoluene
Concen: 40.316 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 175460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 57.3 | 46.4 | 69.6 |
| 89 | 77.0 | 61.8 | 92.6 |
| 182 | 2.7 | 2.2 | 3.2 |

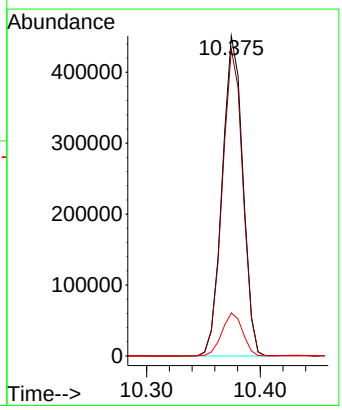


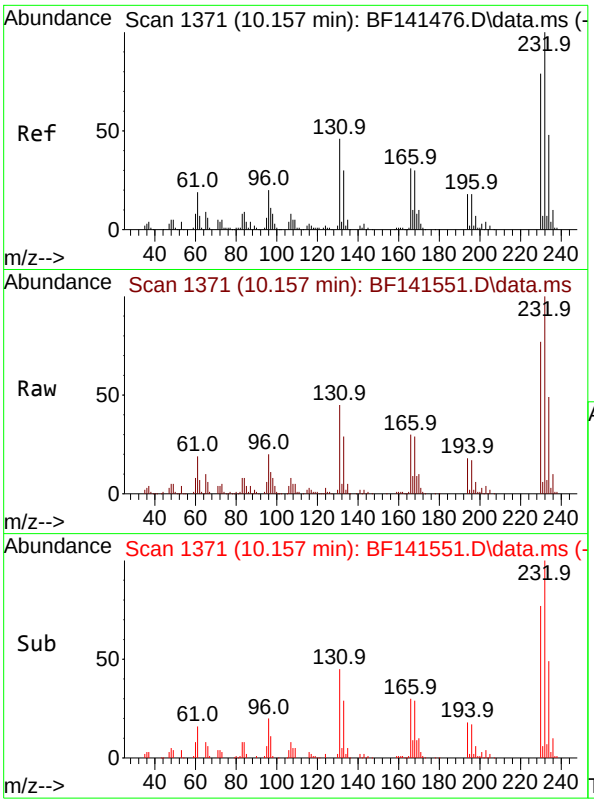




#58
Fluorene
Concen: 39.674 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:166 Resp: 568620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 95.9 | 78.2 | 117.2 |
| 167 | 13.4 | 10.7 | 16.1 |



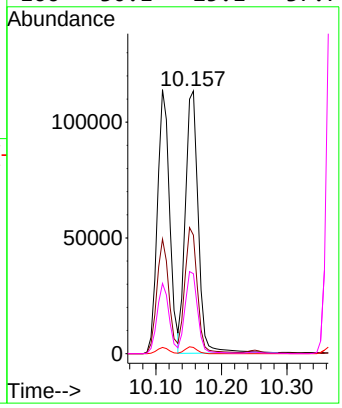


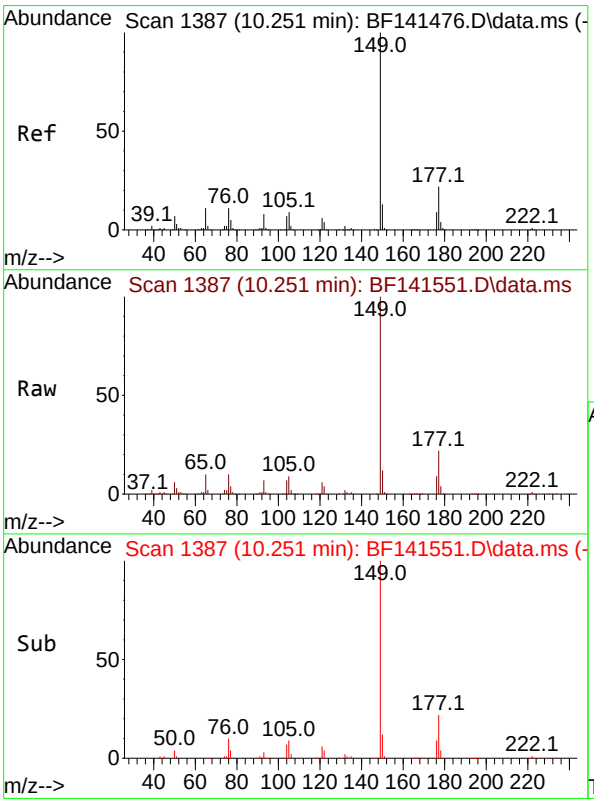

#59
2,3,4,6-Tetrachlorophenol
Concen: 39.919 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:232 Resp: 153425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.8 | 39.2 | 58.8 |
| 130 | 2.4 | 2.1 | 3.1 |
| 166 | 30.1 | 25.1 | 37.7 |

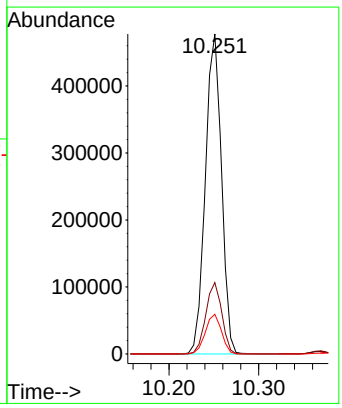


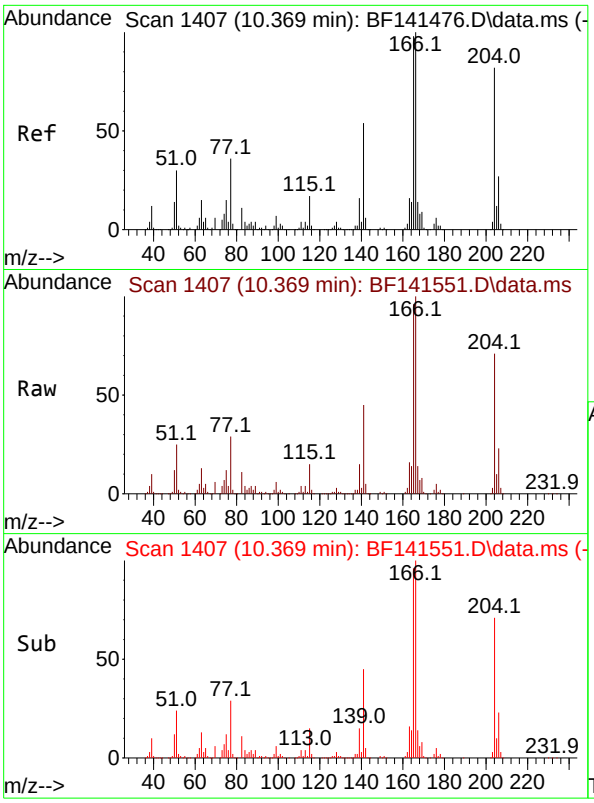




#60
Diethylphthalate
Concen: 40.508 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:149 Resp: 596031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.3 | 17.8 | 26.6 |
| 150 | 12.4 | 10.1 | 15.1 |



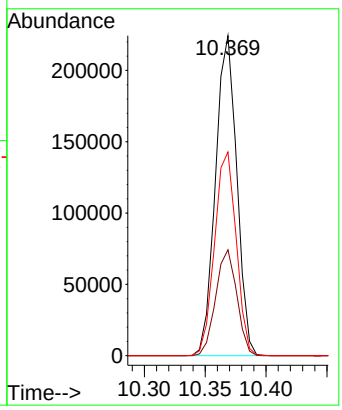


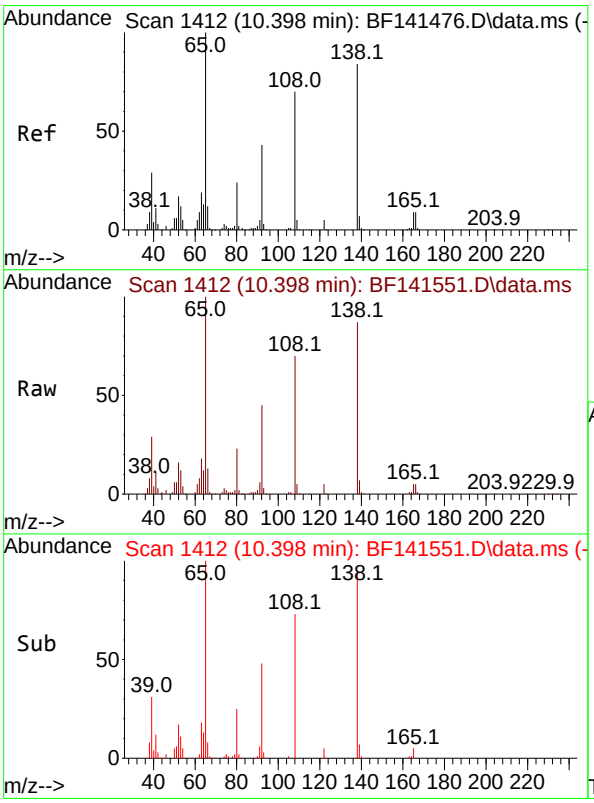

#61
4-Chlorophenyl-phenylether
Concen: 39.647 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:204 Resp: 273368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.1 | 26.6 | 40.0 |
| 141 | 63.7 | 51.9 | 77.9 |

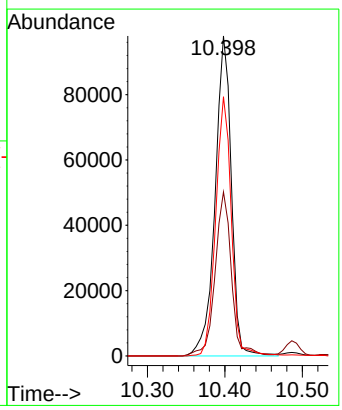


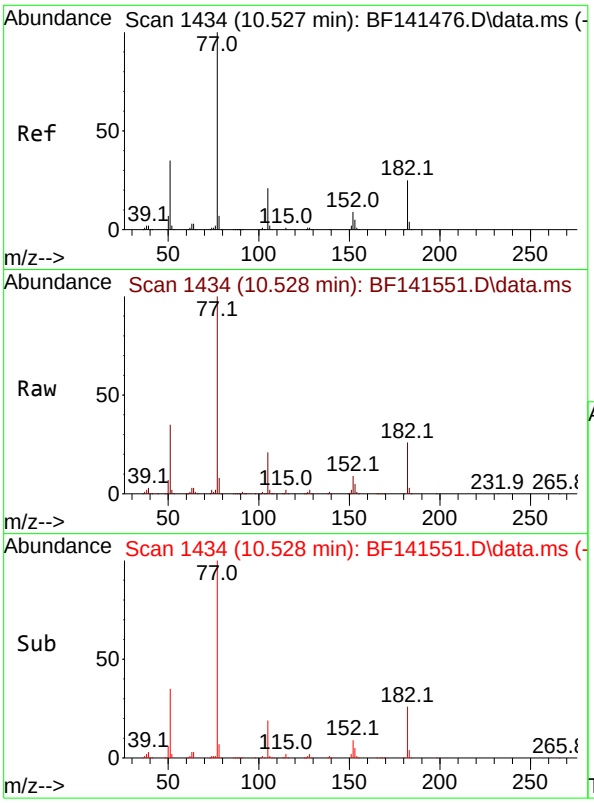




#62
4-Nitroaniline
Concen: 39.968 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.017 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:138 Resp: 142801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.2 | 31.3 | 71.3 |
| 108 | 81.0 | 63.7 | 103.7 |



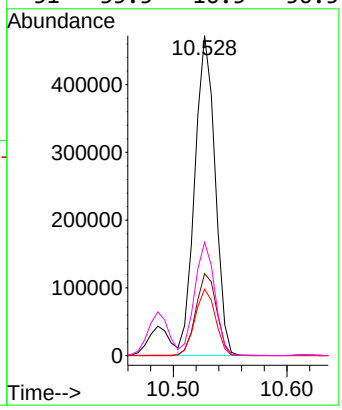


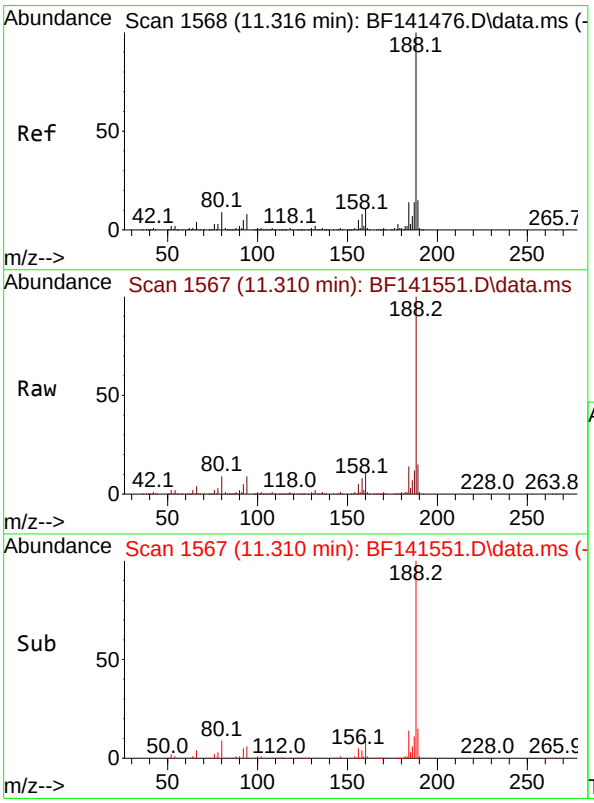

#63
Azobenzene
Concen: 39.907 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 583738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.7 | 4.7 | 44.7 |
| 105 | 20.8 | 0.4 | 40.4 |
| 51 | 35.5 | 16.5 | 56.5 |

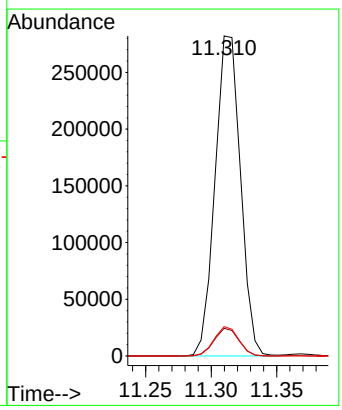


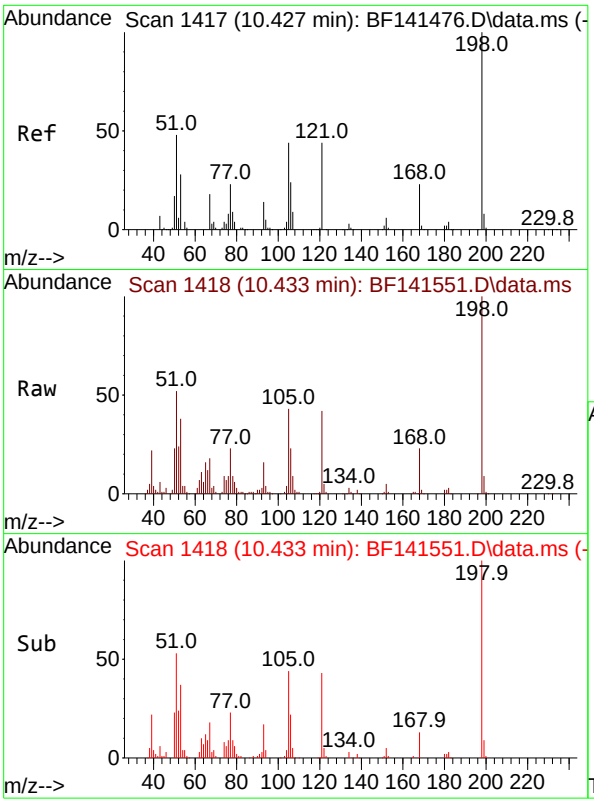




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:188 Resp: 380364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.7 | 6.6 | 10.0 |
| 80 | 9.2 | 7.3 | 10.9 |



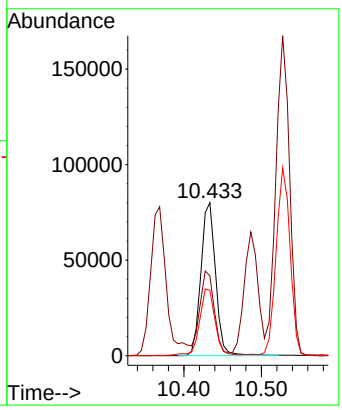


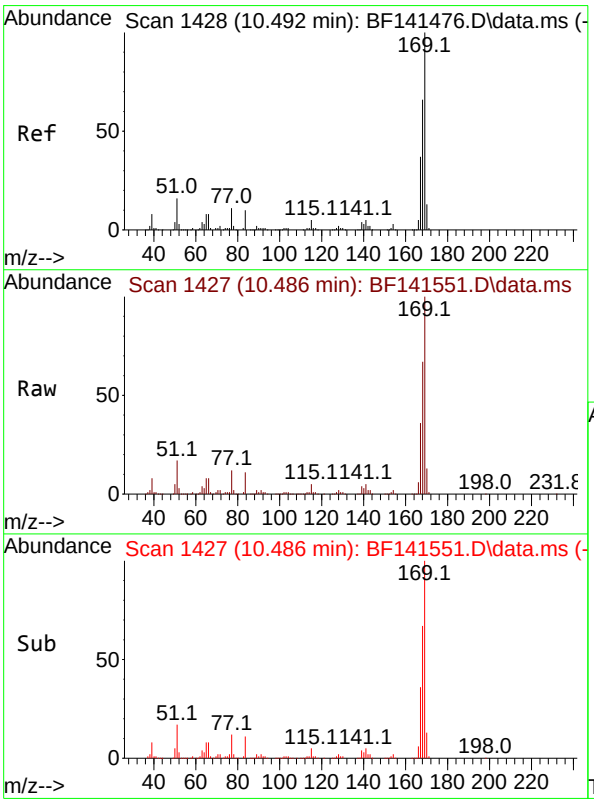

#65
4,6-Dinitro-2-methylphenol
Concen: 39.960 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:198 Resp: 105582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 52.2 | 37.4 | 77.4 |
| 105 | 42.8 | 25.2 | 65.2 |

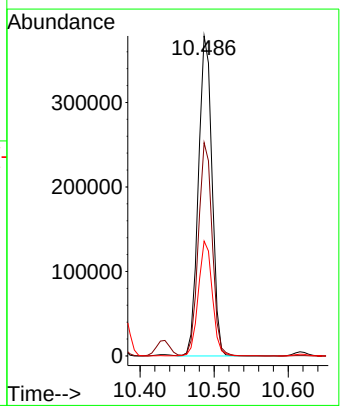


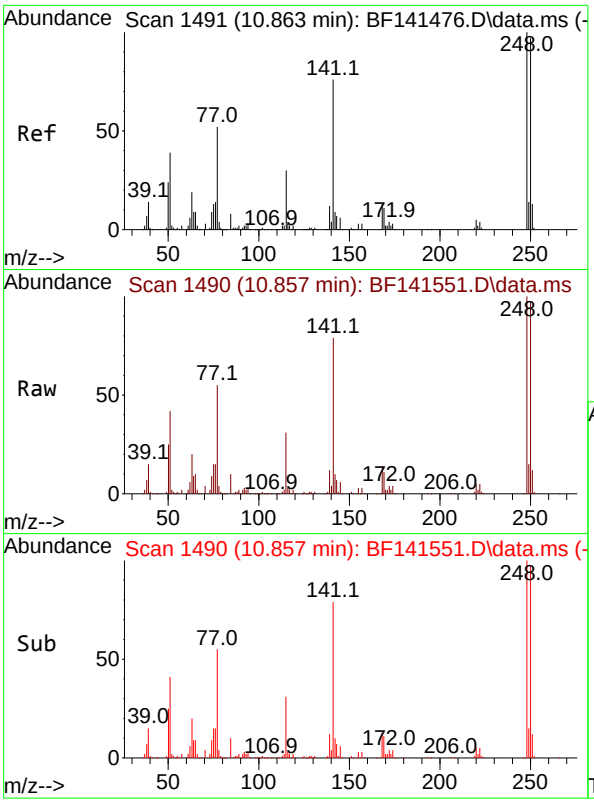




#66
n-Nitrosodiphenylamine
Concen: 39.639 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:169 Resp: 482640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.7 | 53.3 | 79.9 |
| 167 | 35.9 | 29.4 | 44.2 |



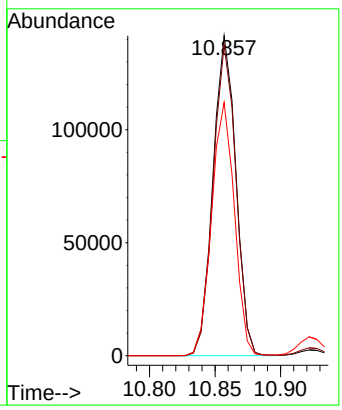


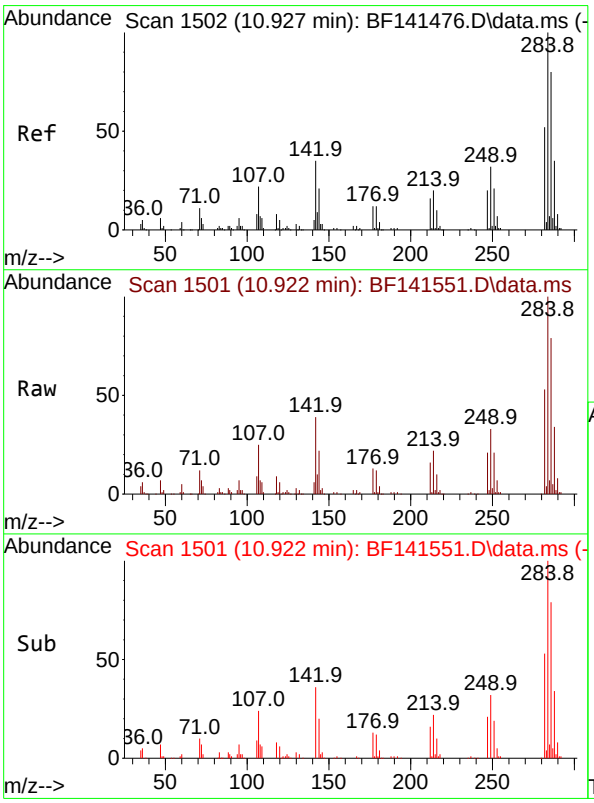

#67
4-Bromophenyl-phenylether
Concen: 40.475 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:248 Resp: 172060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.0 | 77.8 | 116.6 |
| 141 | 79.1 | 60.6 | 90.8 |

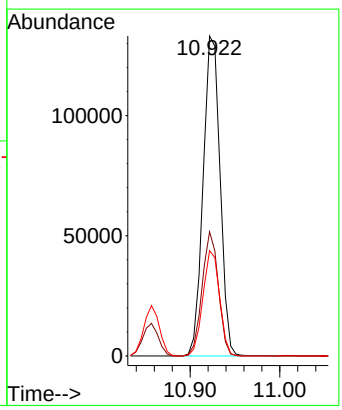


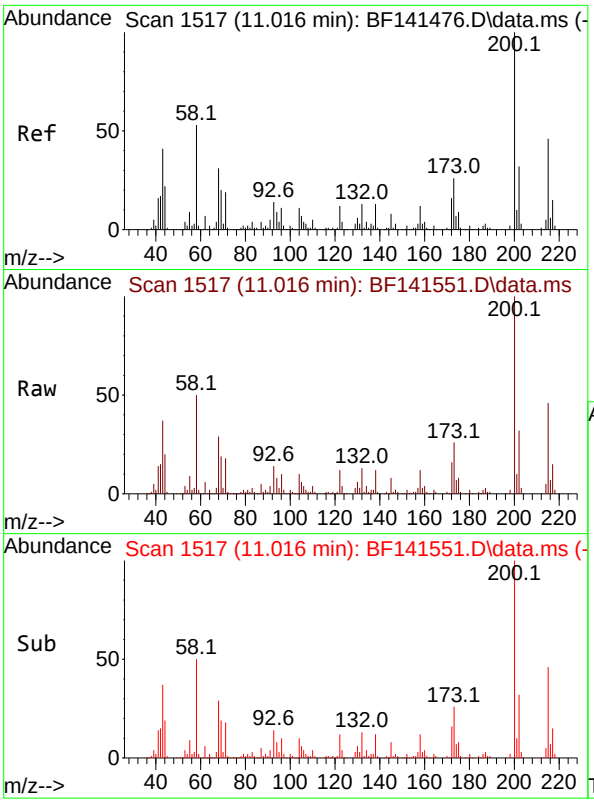




#68
Hexachlorobenzene
Concen: 39.915 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:284 Resp: 174724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 38.8 | 28.0 | 42.0 |
| 249 | 32.9 | 25.8 | 38.8 |



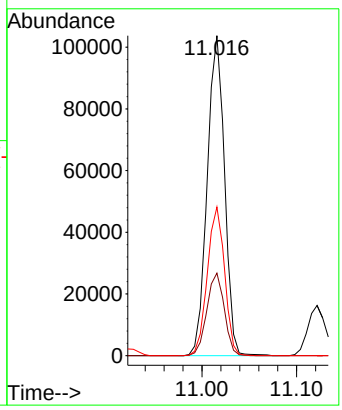


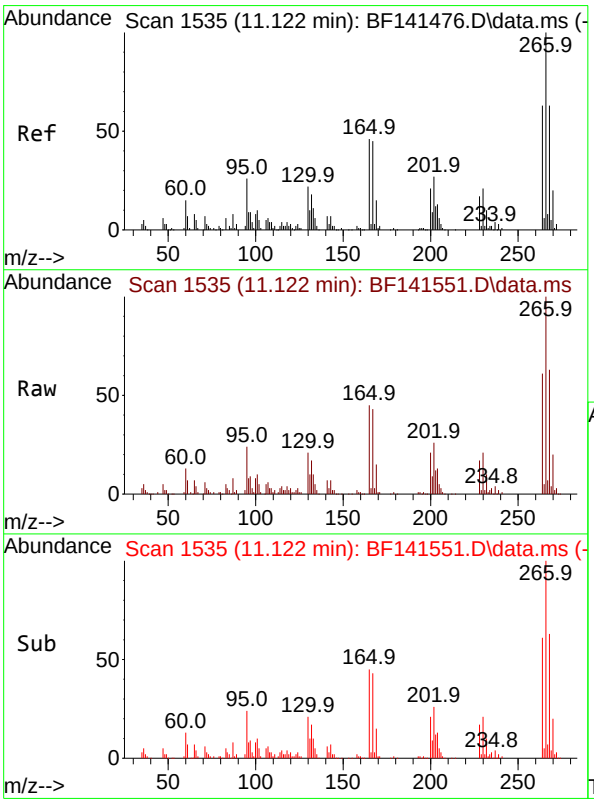

#69
Atrazine
Concen: 36.159 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:200 Resp: 132082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.8 | 5.9 | 45.9 |
| 215 | 46.5 | 25.9 | 65.9 |

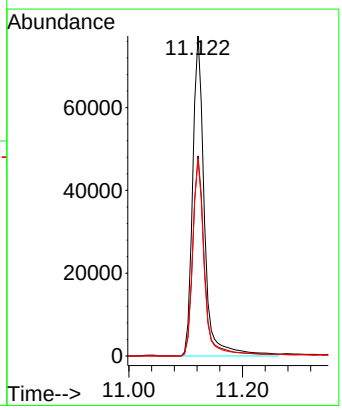


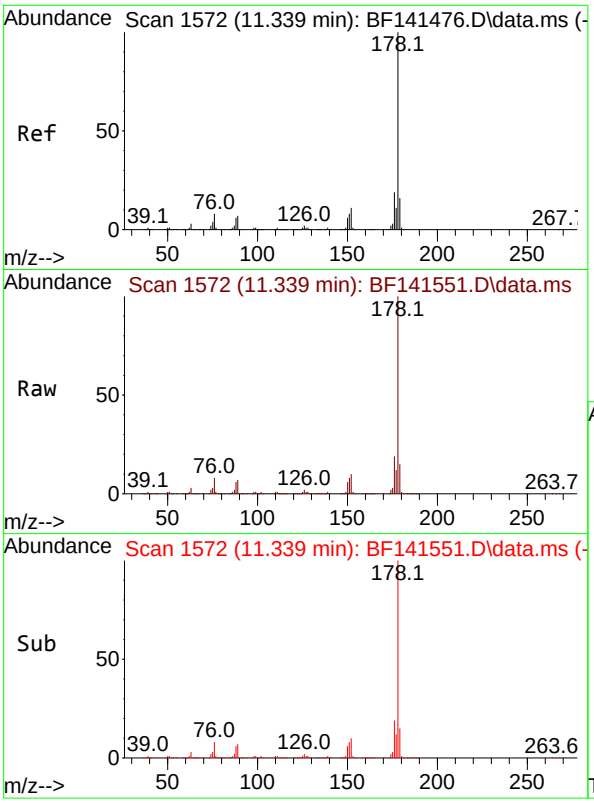




#70
Pentachlorophenol
Concen: 39.974 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:266 Resp: 111889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.5 | 50.1 | 75.1 |
| 264 | 61.5 | 50.1 | 75.1 |



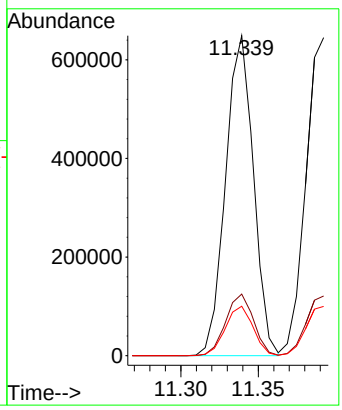


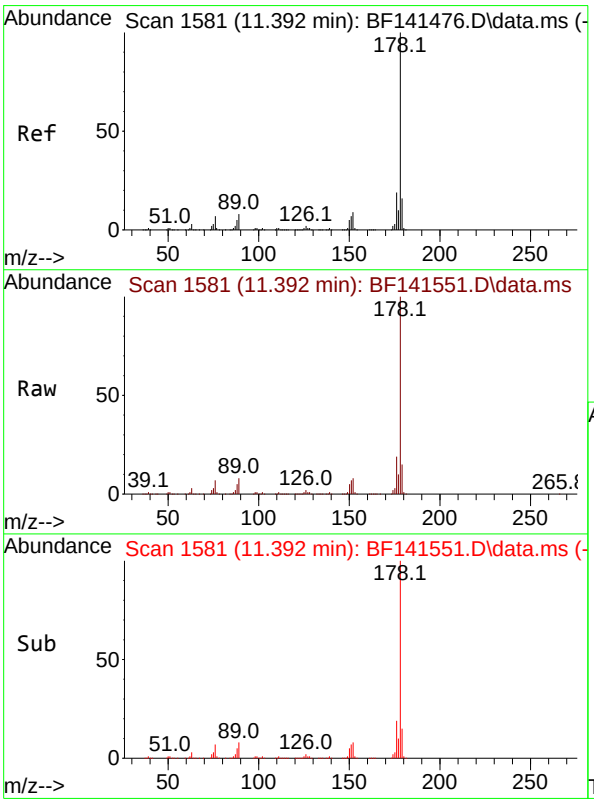

#71
Phenanthrene
Concen: 38.758 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:178 Resp: 811492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.4 | 23.0 |
| 179 | 15.5 | 12.4 | 18.6 |

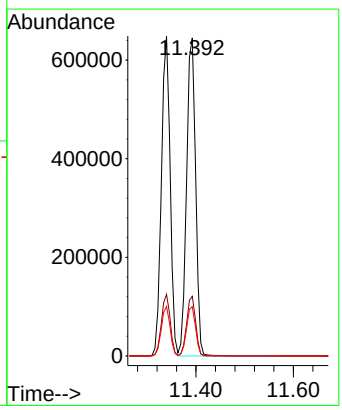


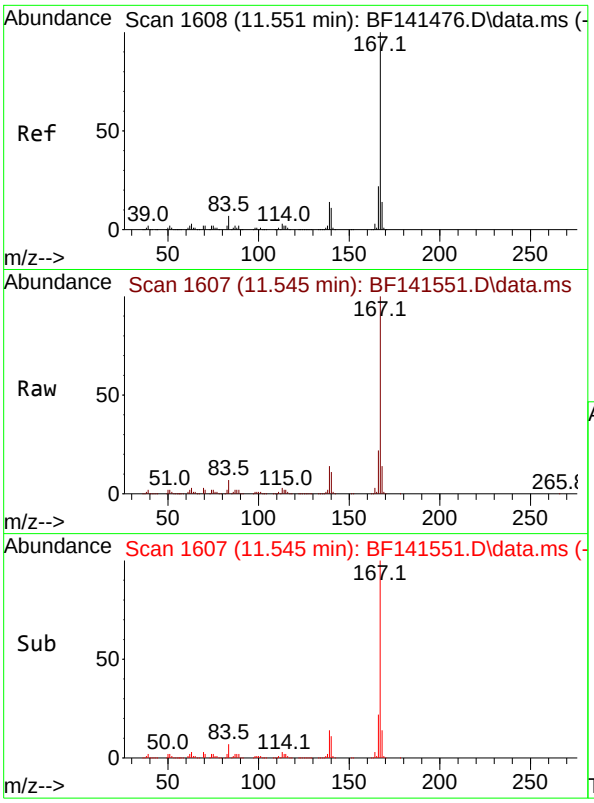




#72
Anthracene
Concen: 39.440 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:178 Resp: 830102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 14.8 | 22.2 |
| 179 | 15.5 | 12.4 | 18.6 |



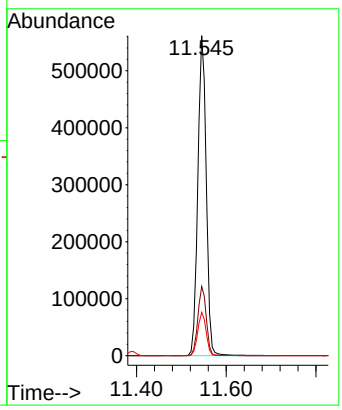


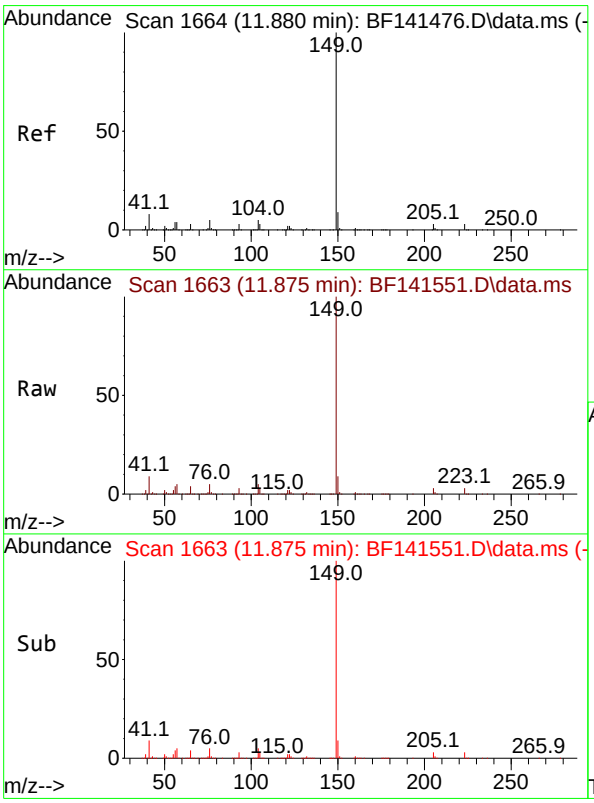

#73
Carbazole
Concen: 38.584 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:167 Resp: 730698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.7 | 17.4 | 26.2 |
| 139 | 13.6 | 10.9 | 16.3 |

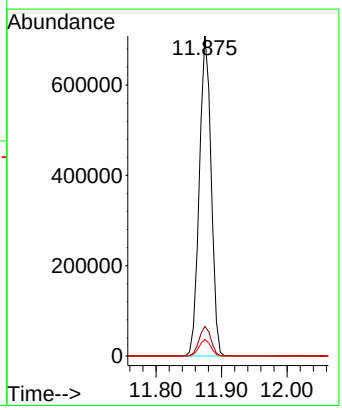


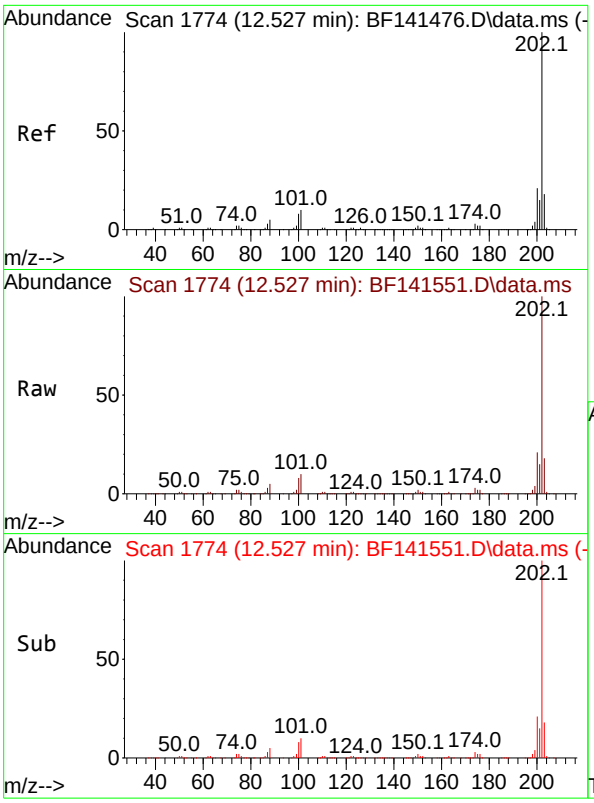




#74
Di-n-butylphthalate
Concen: 40.683 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:149 Resp: 889622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.4 | 11.0 |
| 104 | 5.1 | 4.2 | 6.2 |



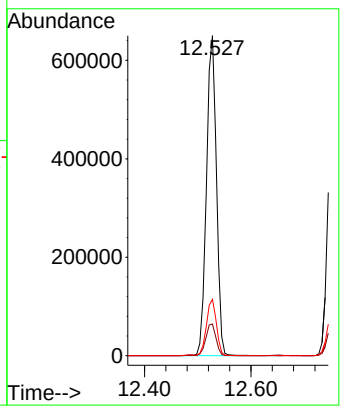


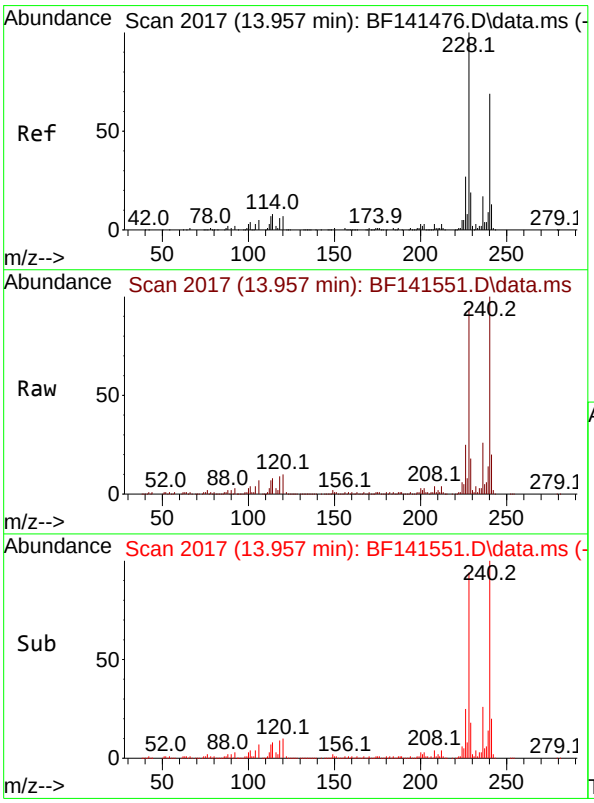

#75
Fluoranthene
Concen: 38.119 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:202 Resp: 846154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.9 | 0.0 | 30.2 |
| 203 | 17.6 | 0.0 | 37.6 |

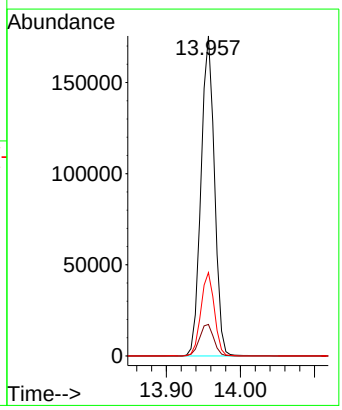


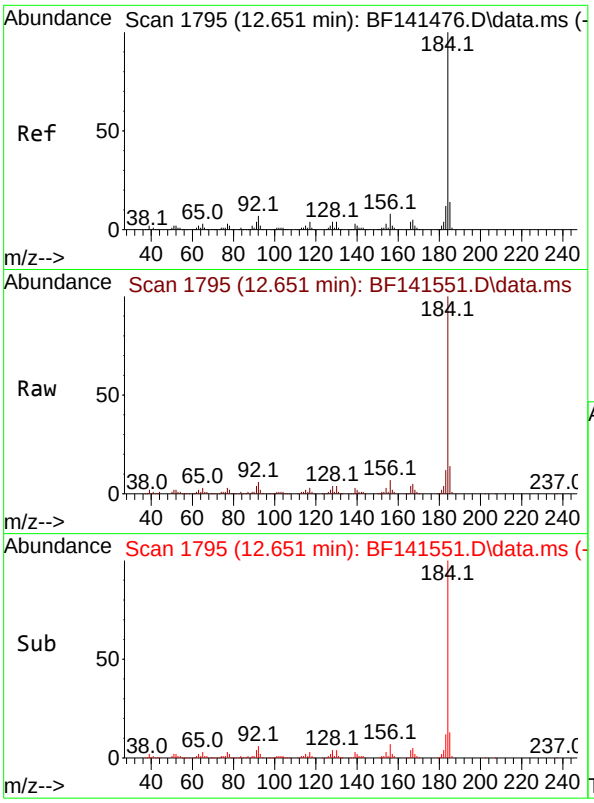




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:240 Resp: 221485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.9 | 8.0 | 12.0 |
| 236 | 26.1 | 19.8 | 29.8 |



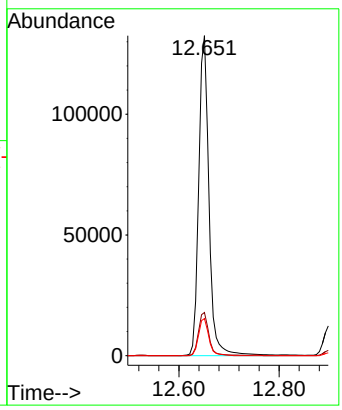


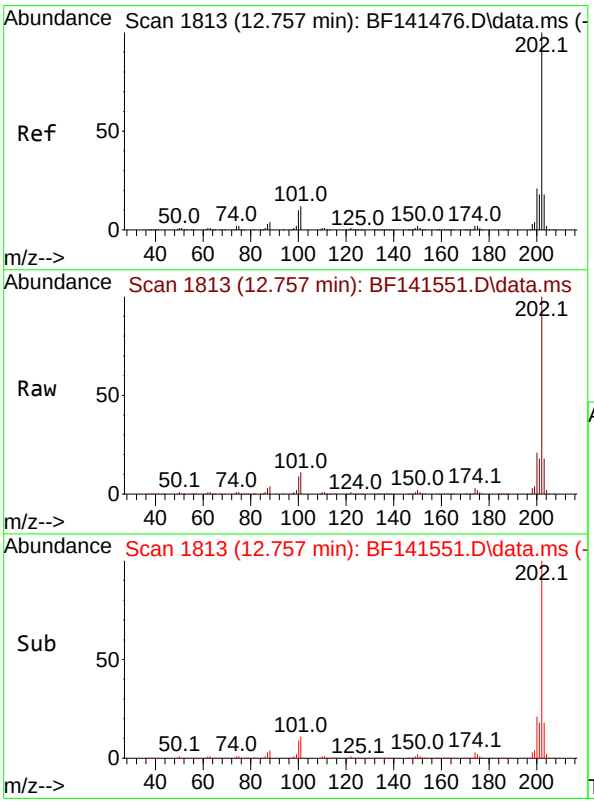

#77
Benzidine
Concen: 38.458 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:184 Resp: 187856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.5 | 11.3 | 16.9 |
| 183 | 11.6 | 9.3 | 13.9 |

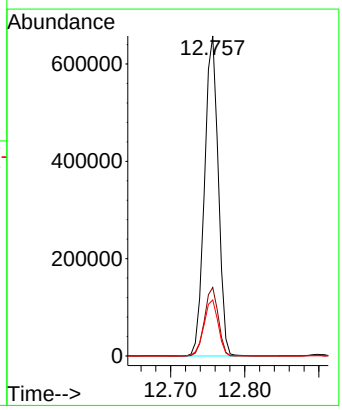


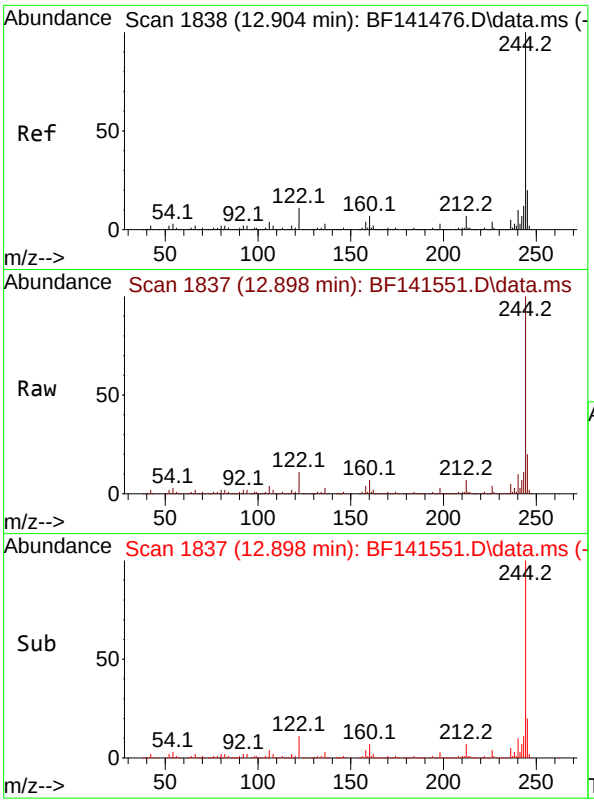




#78
Pyrene
Concen: 44.958 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:202 Resp: 847654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.4 | 17.0 | 25.4 |
| 203 | 17.5 | 14.3 | 21.5 |



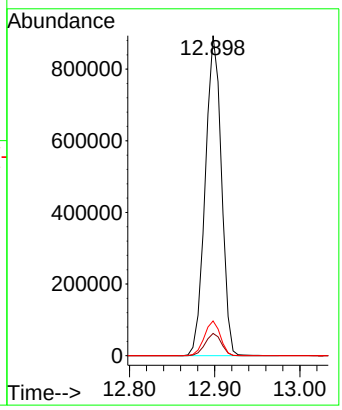


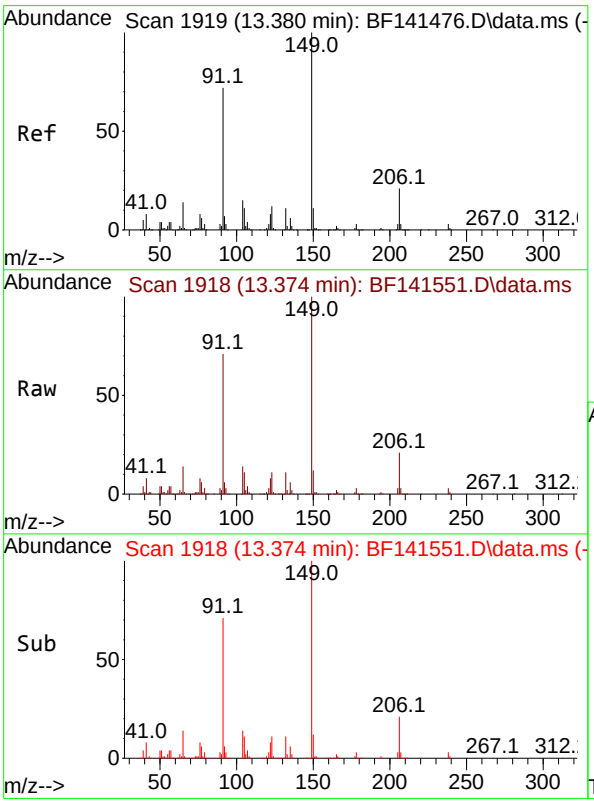

#79
Terphenyl-d14
Concen: 89.840 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:244 Resp: 1178679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.6 | 8.4 |
| 122 | 10.8 | 8.4 | 12.6 |

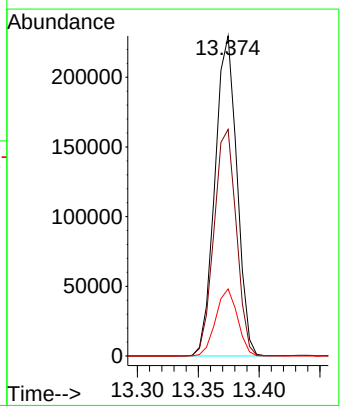


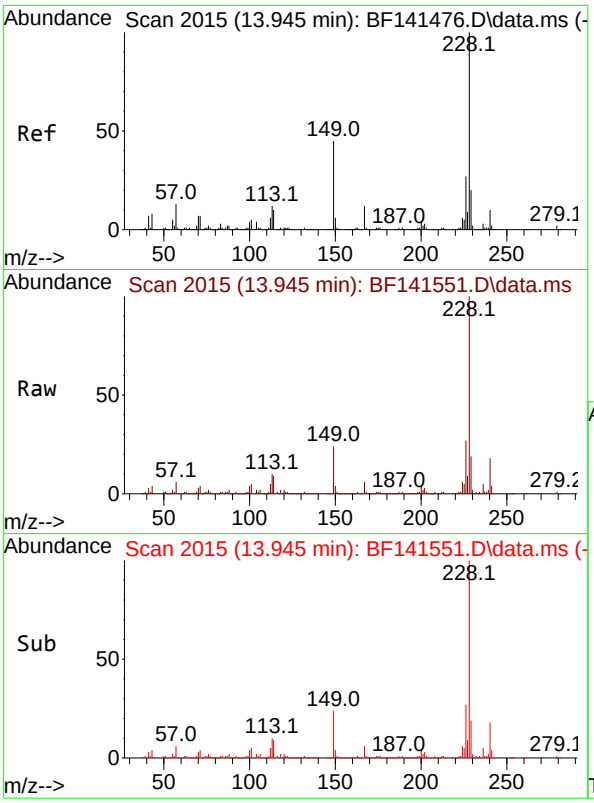




#80
Butylbenzylphthalate
Concen: 44.364 ng
RT: 13.374 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:149 Resp: 289726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 70.8 | 57.8 | 86.8 |
| 206 | 21.0 | 16.7 | 25.1 |



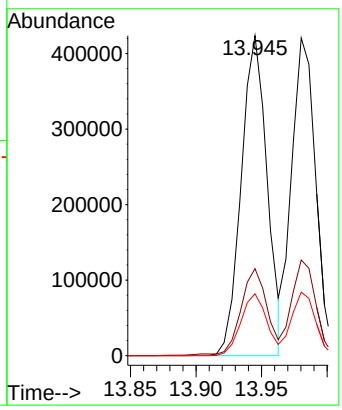


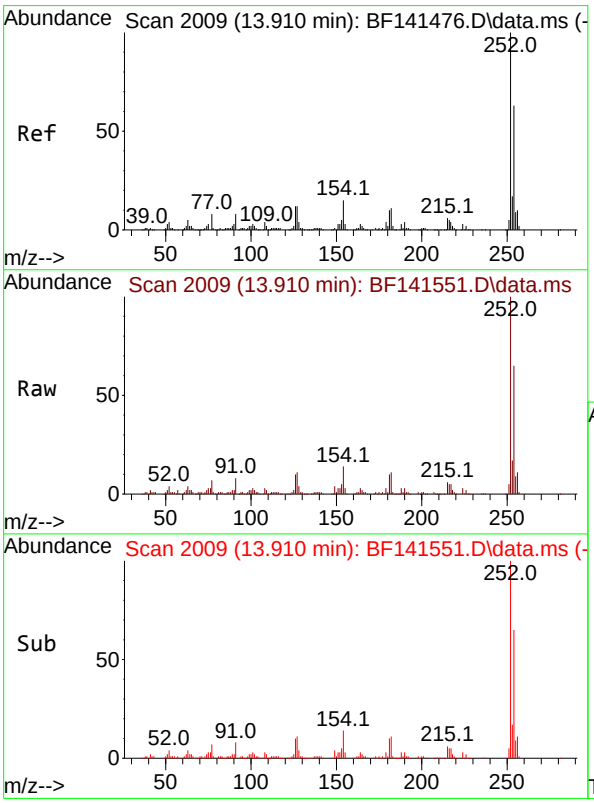

#81
Benzo(a)anthracene
Concen: 39.517 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 581807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.2 | 21.8 | 32.8 |
| 229 | 19.4 | 15.8 | 23.6 |

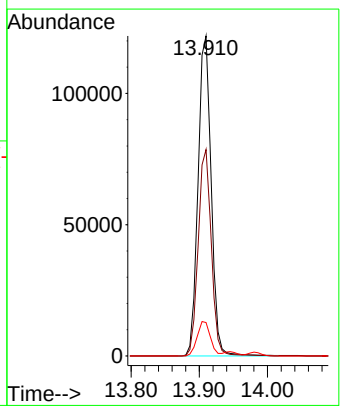


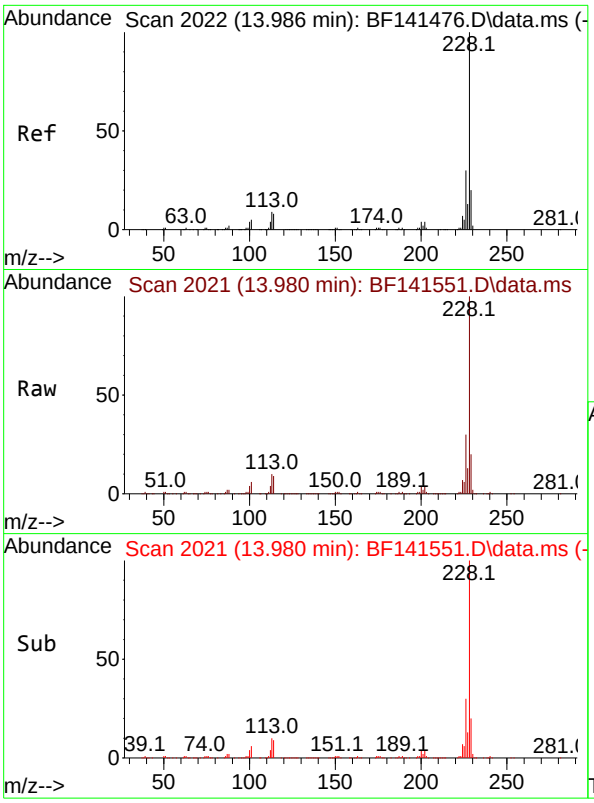




#82
3,3'-Dichlorobenzidine
Concen: 38.611 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:252 Resp: 162839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.5 | 50.6 | 76.0 |
| 126 | 10.5 | 9.3 | 13.9 |



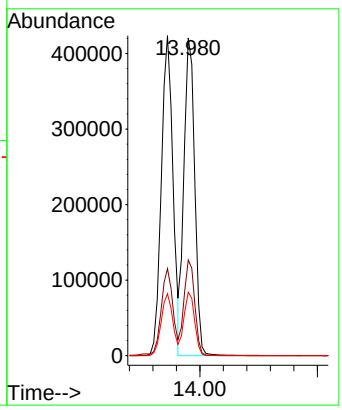


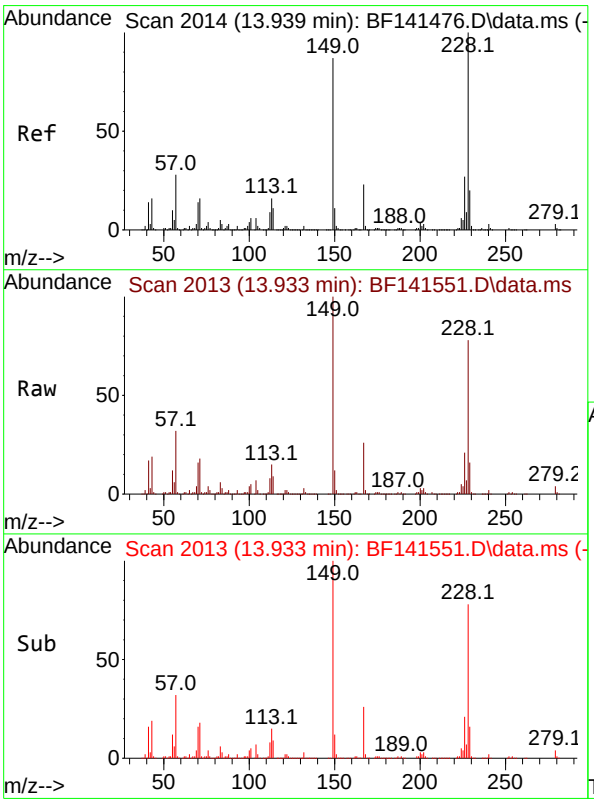

#83
Chrysene
Concen: 39.623 ng
RT: 13.980 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 538648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.0 | 36.0 |
| 229 | 20.0 | 15.7 | 23.5 |

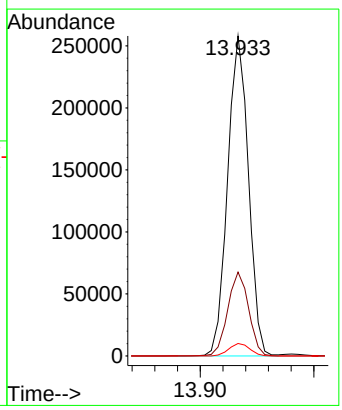


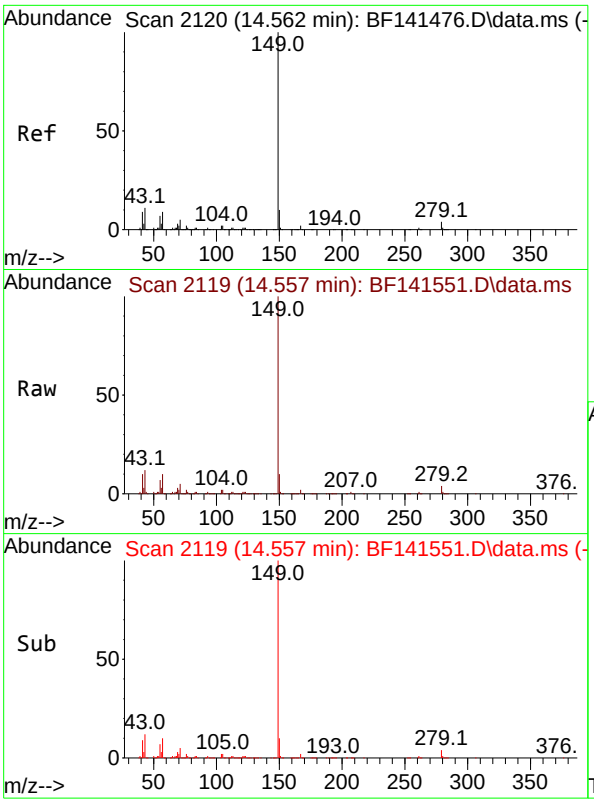




#84
Bis(2-ethylhexyl)phthalate
Concen: 44.551 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:149 Resp: 328143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.2 | 21.4 | 32.0 |
| 279 | 3.9 | 3.1 | 4.7 |



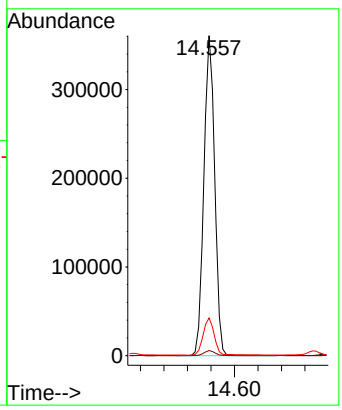


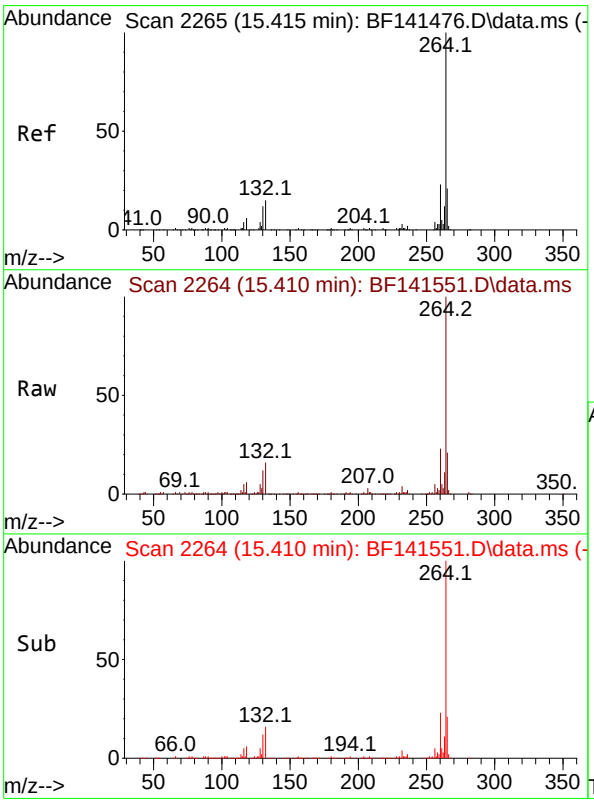

#85
Di-n-octyl phthalate
Concen: 43.848 ng
RT: 14.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:149 Resp: 460738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 11.8 | 9.5 | 14.3 |

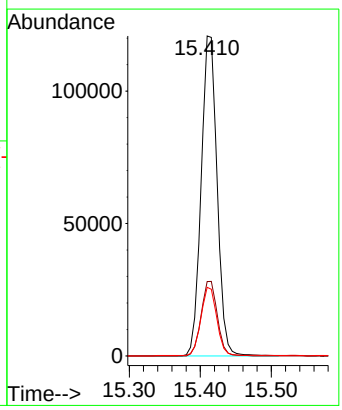


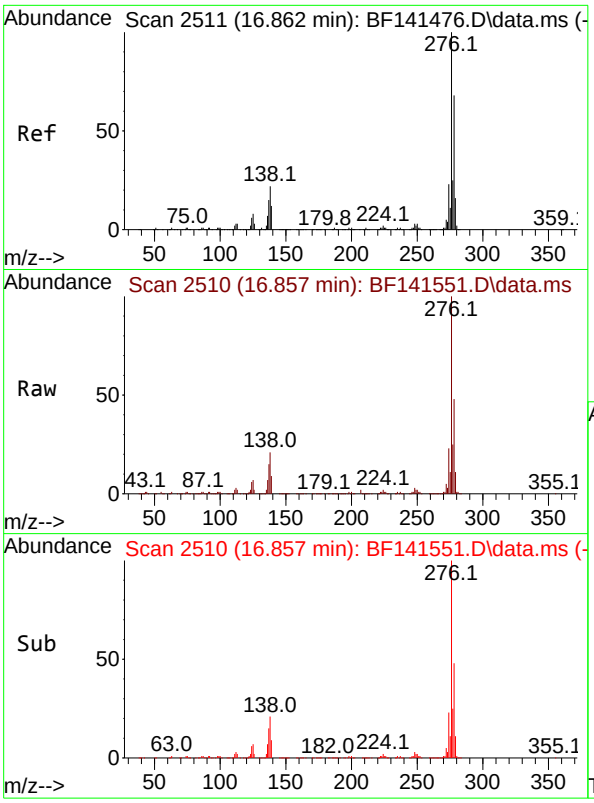




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:264 Resp: 189149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.6 | 28.0 |
| 265 | 21.5 | 17.0 | 25.4 |



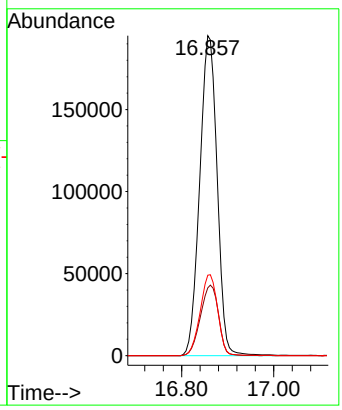


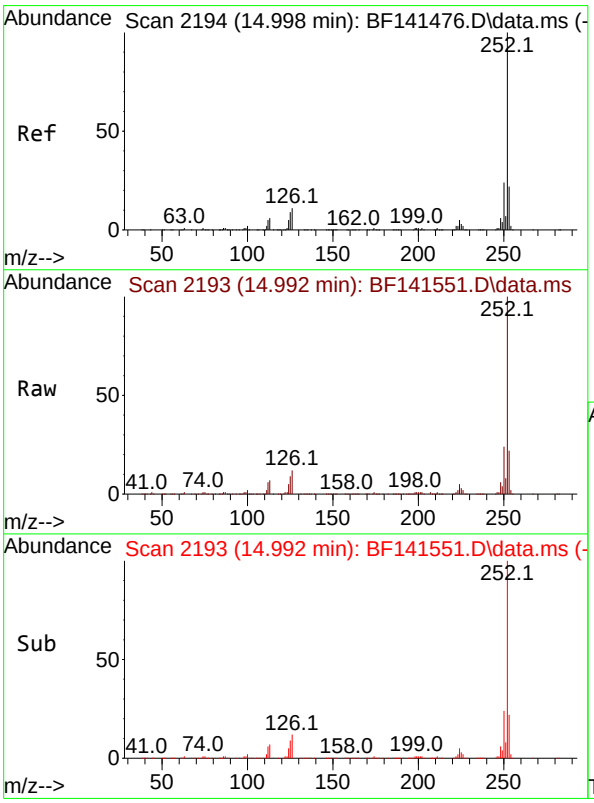

#87
Indeno(1,2,3-cd)pyrene
Concen: 43.910 ng
RT: 16.857 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:276 Resp: 513192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.8 | 18.0 | 27.0 |
| 277 | 25.4 | 20.4 | 30.6 |

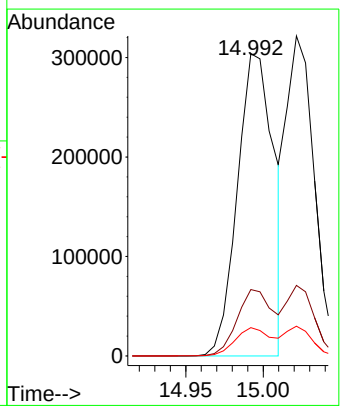


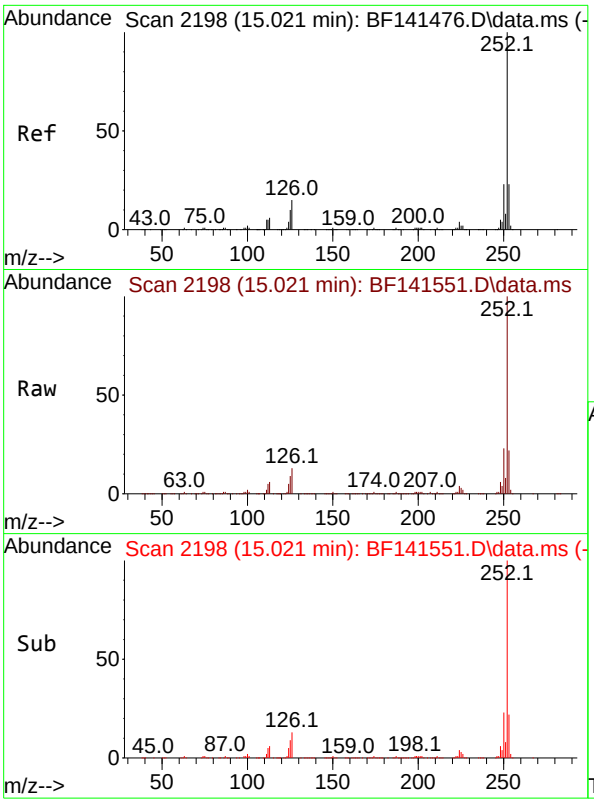




#88
Benzo(b)fluoranthene
Concen: 39.131 ng
RT: 14.992 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:252 Resp: 496986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.5 | 26.3 |
| 125 | 9.4 | 7.0 | 10.6 |



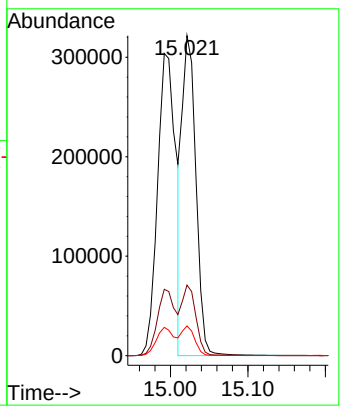


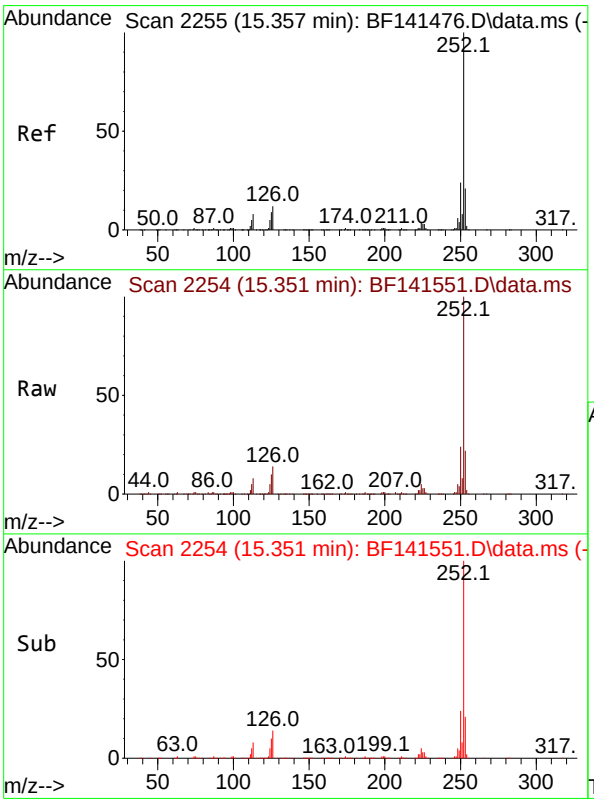

#89
Benzo(k)fluoranthene
Concen: 37.036 ng
RT: 15.021 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:252 Resp: 401654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 18.0 | 27.0 |
| 125 | 9.3 | 7.4 | 11.0 |

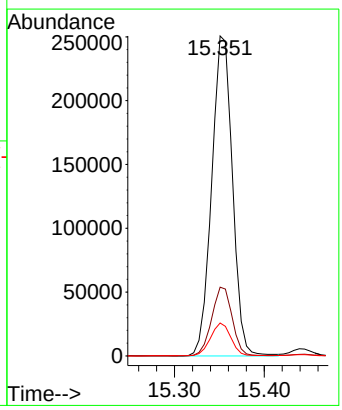


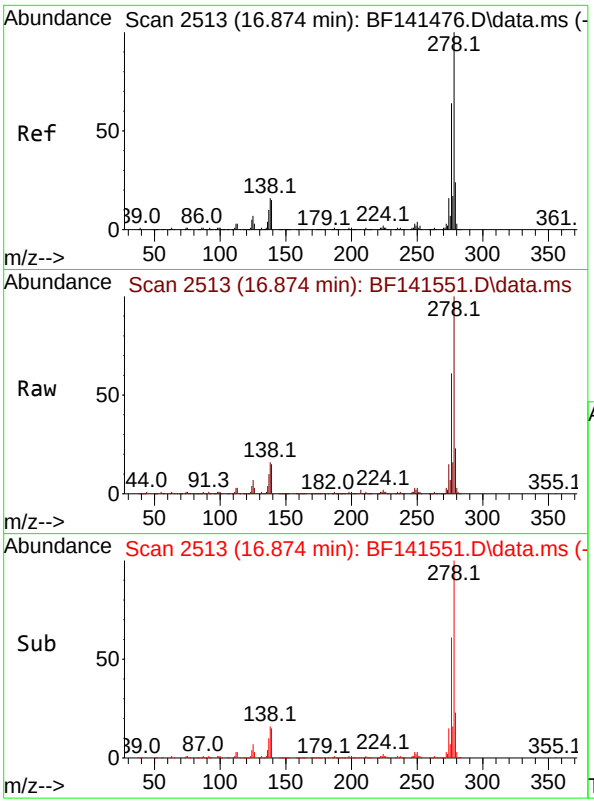




#90
Benzo(a)pyrene
Concen: 39.215 ng
RT: 15.351 min Scan# 2254
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:252 Resp: 403008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.1 | 25.7 |
| 125 | 10.3 | 7.4 | 11.2 |



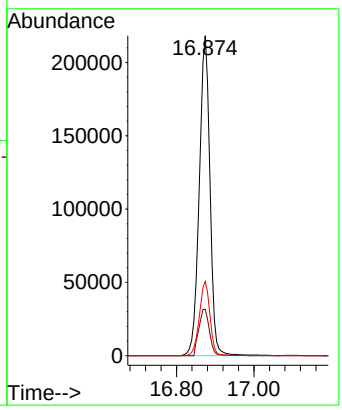


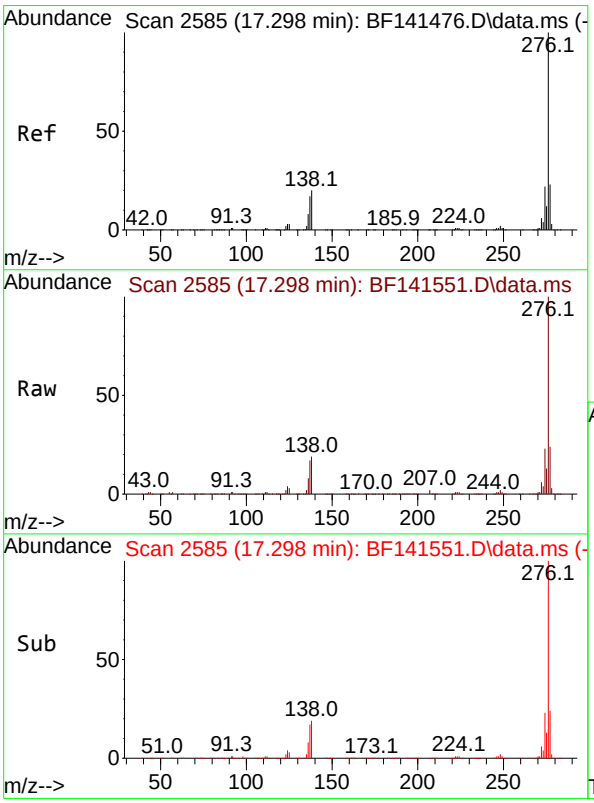

#91
Dibenzo(a,h)anthracene
Concen: 44.174 ng
RT: 16.874 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:278 Resp: 418333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.5 | 11.8 | 17.6 |
| 279 | 23.2 | 19.1 | 28.7 |

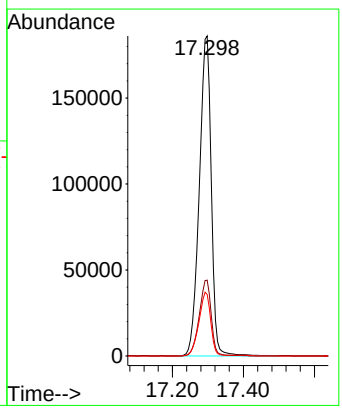



#92
Benzo(g,h,i)perylene
Concen: 44.116 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.017 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:276 Resp: 437196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 18.6 | 28.0 |
| 138 | 19.3 | 15.9 | 23.9 |



Sample Results: **BF141551.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 11 11:06:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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 | 113 | 0.00 |
| 2 | | 1,4-Dioxane | 0.513 | 0.499 | 2.7 | 109 | 0.00 |
| 3 | | Pyridine | 1.222 | 1.225 | -0.2 | 110 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.809 | 0.779 | 3.7 | 108 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.276 | 1.265 | 0.9 | 111 | 0.00 |
| 6 | | Aniline | 1.513 | 1.497 | 1.1 | 110 | -0.01 |
| 7 | S | Phenol-d6 | 1.612 | 1.593 | 1.2 | 112 | 0.00 |
| 8 | | 2-Chlorophenol | 1.378 | 1.375 | 0.2 | 113 | 0.00 |
| 9 | | Benzaldehyde | 0.857 | 0.753 | 12.1 | 104 | 0.00 |
| 10 | C | Phenol | 1.678 | 1.648 | 1.8 | 111 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.261 | 1.246 | 1.2 | 111 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.455 | 1.456 | -0.1 | 115 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.487 | 1.468 | 1.3 | 113 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.380 | 1.367 | 0.9 | 113 | 0.00 |
| 15 | | Benzyl Alcohol | 1.236 | 1.229 | 0.6 | 110 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.158 | 2.126 | 1.5 | 111 | 0.00 |
| 17 | | 2-Methylphenol | 1.079 | 1.043 | 3.3 | 110 | 0.00 |
| 18 | | Hexachloroethane | 0.550 | 0.547 | 0.5 | 112 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.964 | 0.956 | 0.8 | 112 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.371 | 1.332 | 2.8 | 110 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 114 | 0.00 |
| 22 | | Acetophenone | 0.498 | 0.484 | 2.8 | 111 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.383 | 0.379 | 1.0 | 112 | 0.00 |
| 24 | | Nitrobenzene | 0.374 | 0.368 | 1.6 | 112 | 0.00 |
| 25 | | Isophorone | 0.611 | 0.609 | 0.3 | 113 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.186 | 0.189 | -1.6 | 112 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.217 | 0.221 | -1.8 | 113 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.392 | 0.398 | -1.5 | 115 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.294 | 0.295 | -0.3 | 113 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.320 | 0.319 | 0.3 | 114 | 0.00 |
| 31 | | Naphthalene | 1.041 | 1.028 | 1.2 | 113 | 0.00 |
| 32 | | Benzoic acid | 0.226 | 0.215 | 4.9 | 107 | -0.03 |
| 33 | | 4-Chloroaniline | 0.363 | 0.326 | 10.2 | 102 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.192 | 0.193 | -0.5 | 114 | 0.00 |
| 35 | | Caprolactam | 0.089 | 0.091 | -2.2 | 112 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.325 | 0.324 | 0.3 | 112 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.677 | 0.671 | 0.9 | 114 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.656 | 0.643 | 2.0 | 111 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 114 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.579 | 0.575 | 0.7 | 112 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.192 | 0.181 | 5.7 | 101 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.201 | 0.201 | 0.0 | 114 | -0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 0.374 | 0.373 | 0.3 | 113 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.405 | 0.401 | 1.0 | 111 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.298 | 1.271 | 2.1 | 114 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.551 | 1.544 | 0.5 | 114 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.147 | 1.123 | 2.1 | 113 | 0.00 |

Sample Results: **BF141551.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 11 11:06:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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 | 0.385 | 0.372 | 3.4 | 109 | 0.00 |
| 49 | | Acenaphthylene | 1.705 | 1.686 | 1.1 | 113 | 0.00 |
| 50 | | Dimethylphthalate | 1.358 | 1.360 | -0.1 | 115 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.297 | 0.295 | 0.7 | 112 | 0.00 |
| 52 | C | Acenaphthene | 1.147 | 1.121 | 2.3 | 111 | 0.00 |
| 53 | | 3-Nitroaniline | 0.319 | 0.310 | 2.8 | 111 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.176 | 0.181 | -2.8 | 116 | 0.00 |
| 55 | | Dibenzofuran | 1.683 | 1.653 | 1.8 | 113 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.237 | 0.233 | 1.7 | 106 | -0.01 |
| 57 | | 2,4-Dinitrotoluene | 0.395 | 0.398 | -0.8 | 114 | 0.00 |
| 58 | | Fluorene | 1.301 | 1.291 | 0.8 | 114 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.349 | 0.348 | 0.3 | 114 | 0.00 |
| 60 | | Diethylphthalate | 1.336 | 1.353 | -1.3 | 116 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.626 | 0.620 | 1.0 | 114 | 0.00 |
| 62 | | 4-Nitroaniline | 0.324 | 0.324 | 0.0 | 110 | -0.02 |
| 63 | | Azobenzene | 1.328 | 1.325 | 0.2 | 114 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.139 | 0.139 | 0.0 | 111 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.640 | 0.634 | 0.9 | 114 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 0.224 | 0.226 | -0.9 | 116 | 0.00 |
| 68 | | Hexachlorobenzene | 0.230 | 0.230 | 0.0 | 114 | 0.00 |
| 69 | | Atrazine | 0.192 | 0.174 | 9.4 | 106 | 0.00 |
| 70 | C | Pentachlorophenol | 0.147 | 0.147 | 0.0 | 108 | 0.00 |
| 71 | | Phenanthrene | 1.101 | 1.067 | 3.1 | 111 | 0.00 |
| 72 | | Anthracene | 1.107 | 1.091 | 1.4 | 114 | 0.00 |
| 73 | | Carbazole | 0.996 | 0.961 | 3.5 | 110 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.150 | 1.169 | -1.7 | 116 | 0.00 |
| 75 | C | Fluoranthene | 1.167 | 1.112 | 4.7 | 109 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 77 | | Benzidine | 0.441 | 0.424 | 3.9 | 79 | 0.00 |
| 78 | | Pyrene | 1.703 | 1.914 | -12.4 | 108 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.185 | 1.330 | -12.2 | 109 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.590 | 0.654 | -10.8 | 105 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.329 | 1.313 | 1.2 | 96 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.381 | 0.368 | 3.4 | 96 | 0.00 |
| 83 | | Chrysene | 1.228 | 1.216 | 1.0 | 99 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.665 | 0.741 | -11.4 | 106 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 0.949 | 1.040 | -9.6 | 106 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.236 | 1.357 | -9.8 | 109 | -0.02 |
| 88 | | Benzo(b)fluoranthene | 1.343 | 1.314 | 2.2 | 102 | -0.01 |
| 89 | | Benzo(k)fluoranthene | 1.147 | 1.062 | 7.4 | 96 | -0.01 |
| 90 | C | Benzo(a)pyrene | 1.087 | 1.065 | 2.0 | 102 | -0.01 |
| 91 | | Dibenzo(a,h)anthracene | 1.001 | 1.106 | -10.5 | 109 | -0.02 |
| 92 | | Benzo(g,h,i)perylene | 1.048 | 1.156 | -10.3 | 109 | -0.02 |

Sample Results: **BF141551.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 11 11:06:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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: **BF141551.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 11 11:06:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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 | 113 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.862 | 2.8 | 109 | 0.00 |
| 3 | | Pyridine | 40.000 | 40.110 | -0.3 | 110 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.528 | 3.7 | 108 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 79.356 | 0.8 | 111 | 0.00 |
| 6 | | Aniline | 40.000 | 39.588 | 1.0 | 110 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 79.040 | 1.2 | 112 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.889 | 0.3 | 113 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 35.155 | 12.1 | 104 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.274 | 1.8 | 111 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.527 | 1.2 | 111 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.029 | -0.1 | 115 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.495 | 1.3 | 113 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.630 | 0.9 | 113 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.763 | 0.6 | 110 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.413 | 1.5 | 111 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 38.662 | 3.3 | 110 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.762 | 0.6 | 112 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.642 | 0.9 | 112 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.863 | 2.8 | 110 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 114 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.884 | 2.8 | 111 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.150 | 1.1 | 112 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.421 | 1.4 | 112 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.870 | 0.3 | 113 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.688 | -1.7 | 112 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.742 | -1.9 | 113 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.602 | -1.5 | 115 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.207 | -0.5 | 113 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.881 | 0.3 | 114 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.496 | 1.3 | 113 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 38.109 | 4.7 | 107 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 35.922 | 10.2 | 102 | -0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.212 | -0.5 | 114 | 0.00 |
| 35 | | Caprolactam | 40.000 | 40.821 | -2.1 | 112 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.838 | 0.4 | 112 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.589 | 1.0 | 114 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.172 | 2.1 | 111 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 114 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.721 | 0.7 | 112 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 37.607 | 6.0 | 101 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 79.892 | 0.1 | 114 | -0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.916 | 0.2 | 113 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 39.574 | 1.1 | 111 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 78.338 | 2.1 | 114 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.828 | 0.4 | 114 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.175 | 2.1 | 113 | 0.00 |

Sample Results: **BF141551.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 11 11:06:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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 | 38.652 | 3.4 | 109 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.549 | 1.1 | 113 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 40.052 | -0.1 | 115 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 39.707 | 0.7 | 112 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.125 | 2.2 | 111 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 38.855 | 2.9 | 111 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 41.042 | -2.6 | 116 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.291 | 1.8 | 113 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 39.275 | 1.8 | 106 | -0.01 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 40.316 | -0.8 | 114 | 0.00 |
| 58 | | Fluorene | 40.000 | 39.674 | 0.8 | 114 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.919 | 0.2 | 114 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 40.508 | -1.3 | 116 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.647 | 0.9 | 114 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 39.968 | 0.1 | 110 | -0.02 |
| 63 | | Azobenzene | 40.000 | 39.907 | 0.2 | 114 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 113 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.960 | 0.1 | 111 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.639 | 0.9 | 114 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 40.475 | -1.2 | 116 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 39.915 | 0.2 | 114 | 0.00 |
| 69 | | Atrazine | 40.000 | 36.159 | 9.6 | 106 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 39.974 | 0.1 | 108 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.758 | 3.1 | 111 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.440 | 1.4 | 114 | 0.00 |
| 73 | | Carbazole | 40.000 | 38.584 | 3.5 | 110 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.683 | -1.7 | 116 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 38.119 | 4.7 | 109 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 98 | 0.00 |
| 77 | | Benzidine | 40.000 | 38.458 | 3.9 | 79 | 0.00 |
| 78 | | Pyrene | 40.000 | 44.958 | -12.4 | 108 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 89.840 | -12.3 | 109 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 44.364 | -10.9 | 105 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.517 | 1.2 | 96 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 38.611 | 3.5 | 96 | 0.00 |
| 83 | | Chrysene | 40.000 | 39.623 | 0.9 | 99 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 44.551 | -11.4 | 106 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 43.848 | -9.6 | 106 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 103 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 43.910 | -9.8 | 109 | -0.02 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 39.131 | 2.2 | 102 | -0.01 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 37.036 | 7.4 | 96 | -0.01 |
| 90 | C | Benzo(a)pyrene | 40.000 | 39.215 | 2.0 | 102 | -0.01 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 44.174 | -10.4 | 109 | -0.02 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 44.116 | -10.3 | 109 | -0.02 |

Sample Results: **BF141551.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Feb 11 11:06:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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

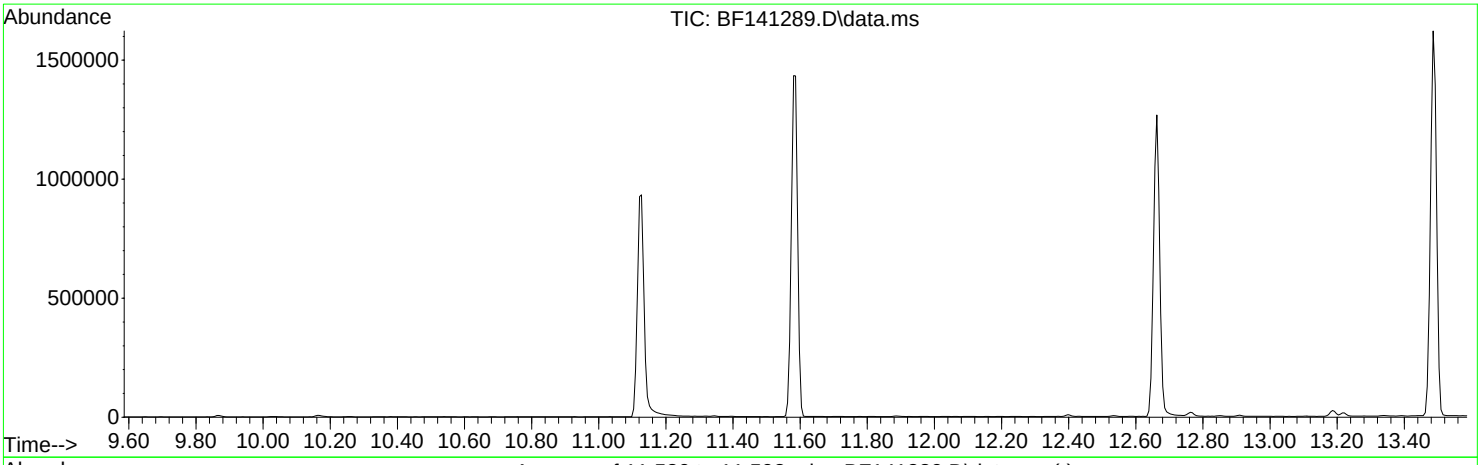
Sample Results: **BF141289.D**

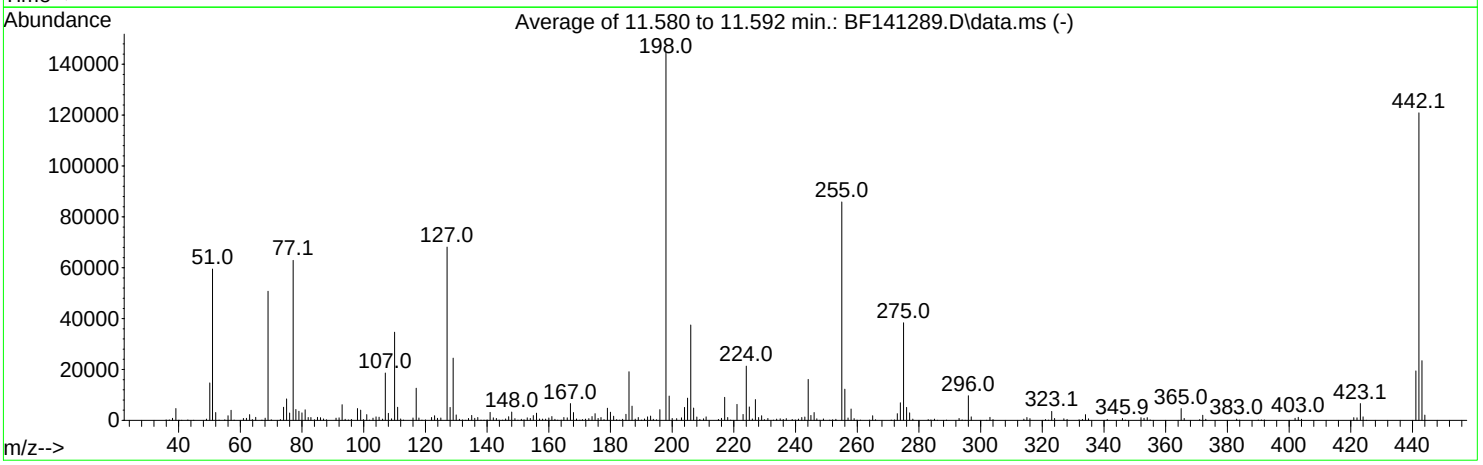
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025




AutoFind: Scans 1613, 1614, 1615; Background Corrected with Scan 1606

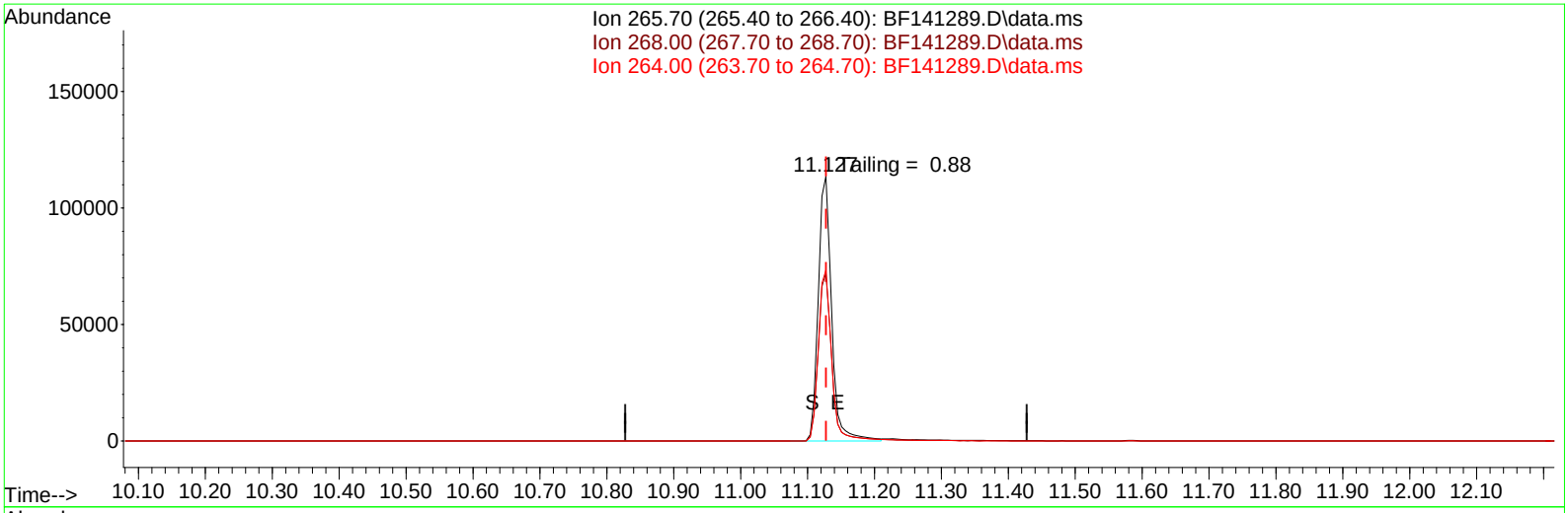
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 41.1 | 59504 | PASS |
| 68 | 69 | 0.00 | 2 | 1.7 | 874 | PASS |
| 69 | 198 | 0.00 | 100 | 35.1 | 50789 | PASS |
| 70 | 69 | 0.00 | 2 | 0.6 | 281 | PASS |
| 127 | 198 | 10 | 80 | 47.1 | 68133 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 144613 | PASS |
| 199 | 198 | 5 | 9 | 6.6 | 9584 | PASS |
| 275 | 198 | 10 | 60 | 26.5 | 38371 | PASS |
| 365 | 198 | 1 | 100 | 3.2 | 4642 | PASS |
| 441 | 198 | 0.01 | 100 | 13.5 | 19467 | PASS |
| 442 | 442 | 50 | 100 | 100.0 | 120923 | PASS |
| 443 | 442 | 15 | 24 | 19.4 | 23456 | PASS |

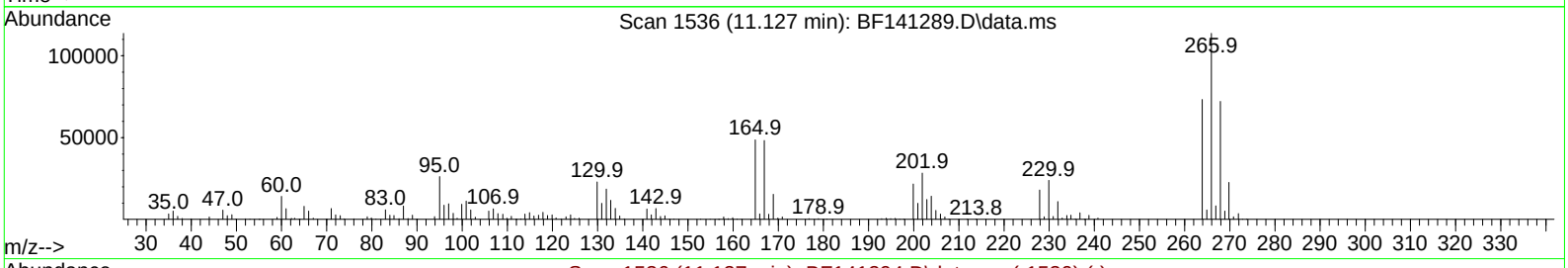
Sample Results: **BF141289.D**

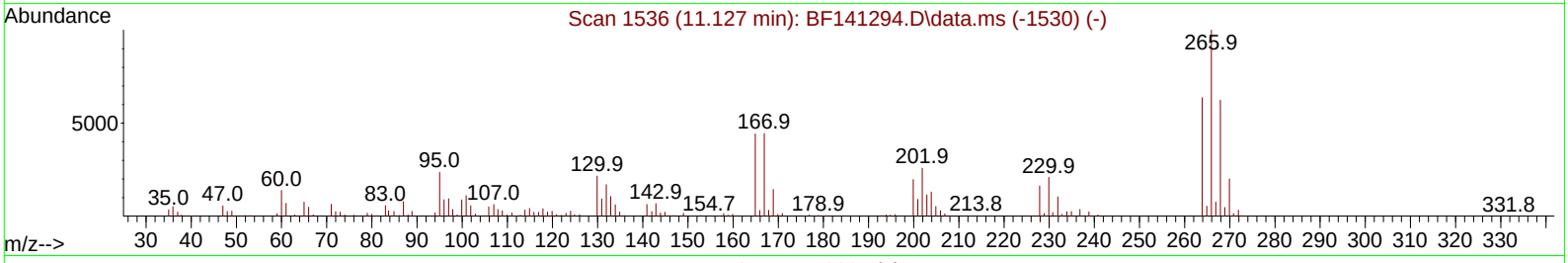
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Jan 29 13:18:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 13:12:40 2025
Response via : Initial Calibration




TIC: BF141289.D\data.ms

**(70) Pentachlorophenol (C)**

**11.127min (-0.000) 18353.04 ng**

**response 157302**

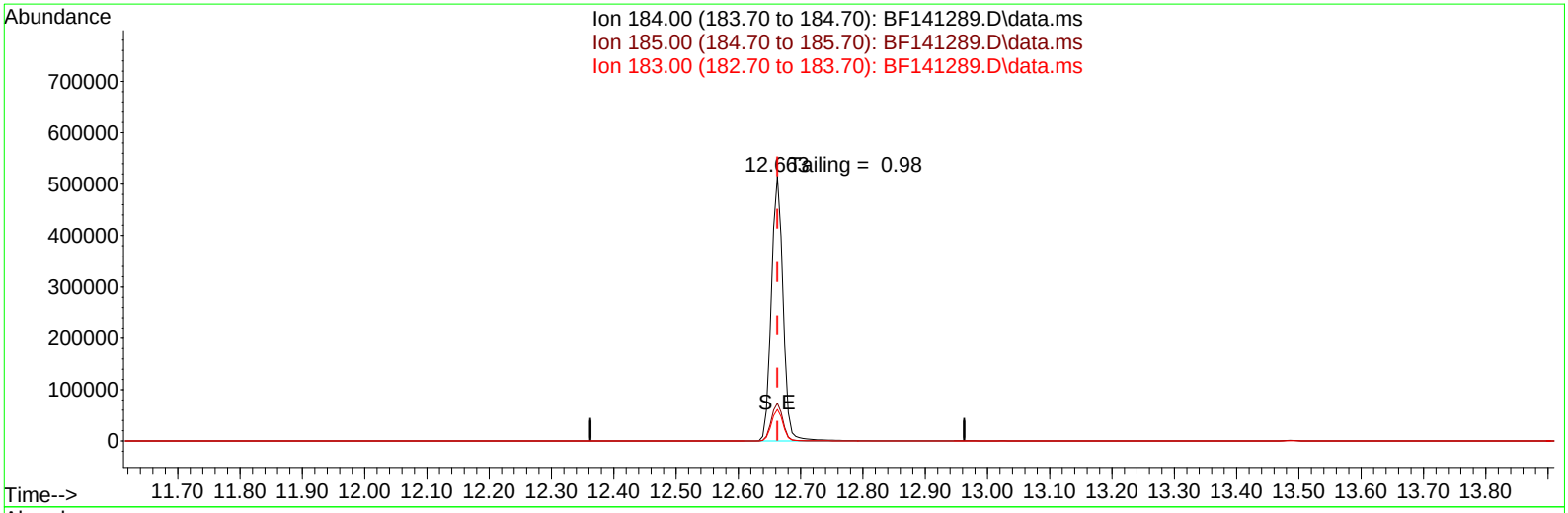
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 68.00 | 63.47 |
| 264.00 | 63.20 | 64.50 |
| 0.00 | 0.00 | 0.00 |

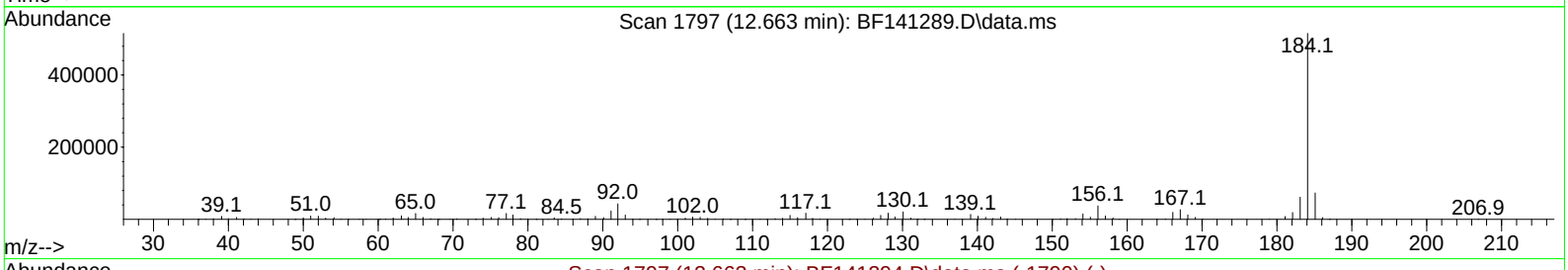
Sample Results: **BF141289.D**

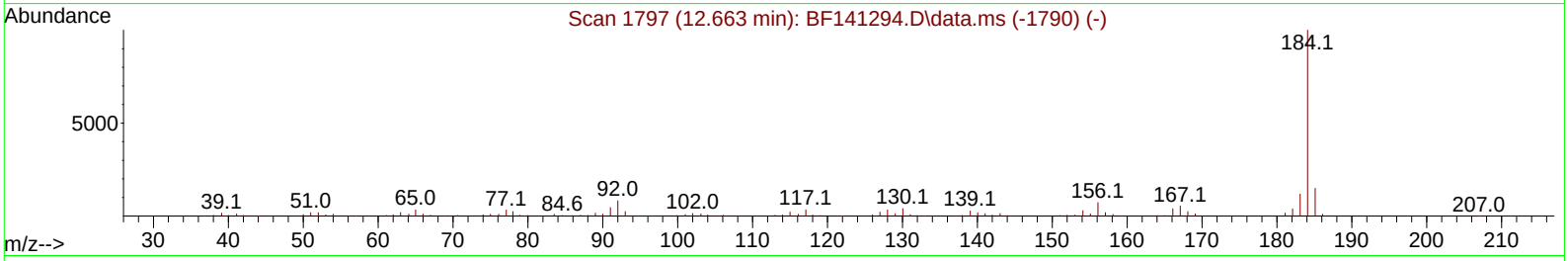
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Jan 29 13:18:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 13:12:40 2025
Response via : Initial Calibration




TIC: BF141289.D\data.ms

**(77) Benzidine**

**12.663min (-0.000) 86413.53 ng**

**response 677498**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.10 | 14.27 |
| 183.00 | 11.70 | 11.93 |
| 0.00 | 0.00 | 0.00 |

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 1/29/2025 | BNA_F | BF141289.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 407437 | 13.486 |
| DDD | 11239 | 13.186 |
| DDE | 931 | 12.851 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 12170 | 419607 | 2.90 |
| | | |

Instrument :
BNA_F
ClientSampleId :
DFTPP

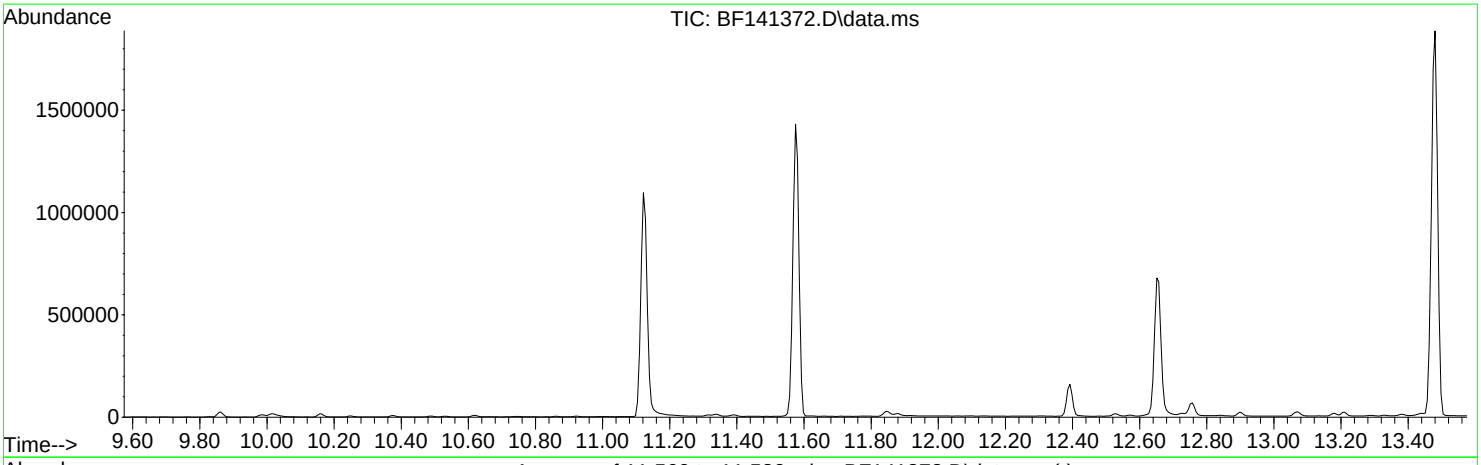
Sample Results: **BF141372.D**

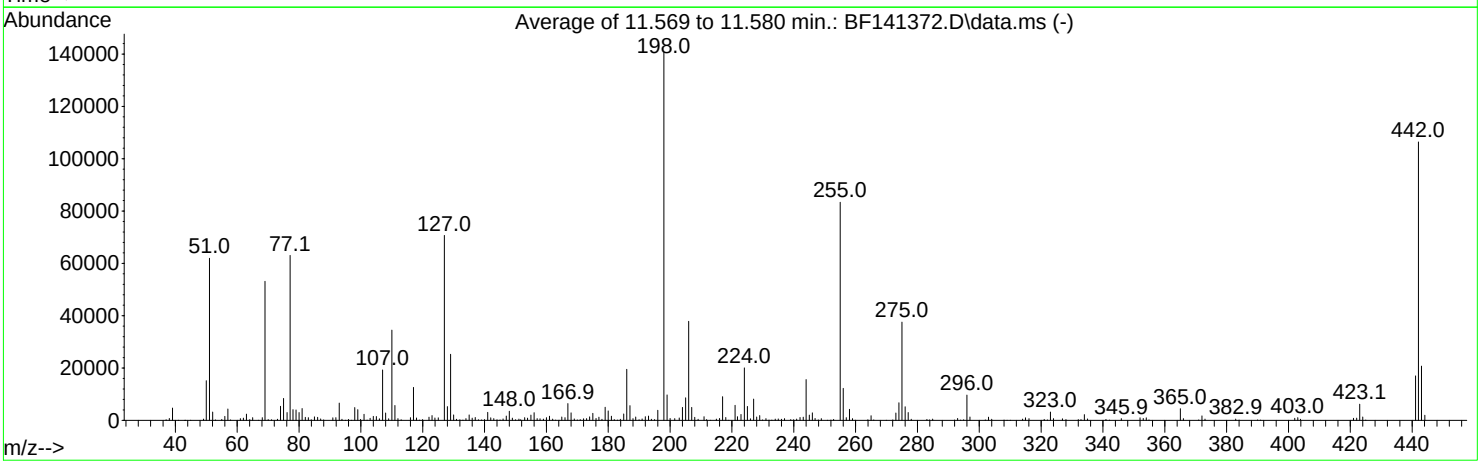
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141372.D
Acq On : 03 Feb 2025 16:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025




AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 44.1 | 61981 | PASS |
| 68 | 69 | 0.00 | 2 | 2.0 | 1060 | PASS |
| 69 | 198 | 0.00 | 100 | 37.8 | 53141 | PASS |
| 70 | 69 | 0.00 | 2 | 0.6 | 326 | PASS |
| 127 | 198 | 10 | 80 | 50.3 | 70667 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 140589 | PASS |
| 199 | 198 | 5 | 9 | 6.9 | 9756 | PASS |
| 275 | 198 | 10 | 60 | 26.7 | 37523 | PASS |
| 365 | 198 | 1 | 100 | 3.2 | 4469 | PASS |
| 441 | 198 | 0.01 | 100 | 12.1 | 17032 | PASS |
| 442 | 442 | 50 | 100 | 100.0 | 106389 | PASS |
| 443 | 442 | 15 | 24 | 19.5 | 20710 | PASS |

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 2/3/2025 | BNA_F | BF141372.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 484680 | 13.48 |
| DDD | 8749 | 13.21 |
| DDE | 790 | 12.845 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 9539 | 494219 | 1.93 |
| | | |

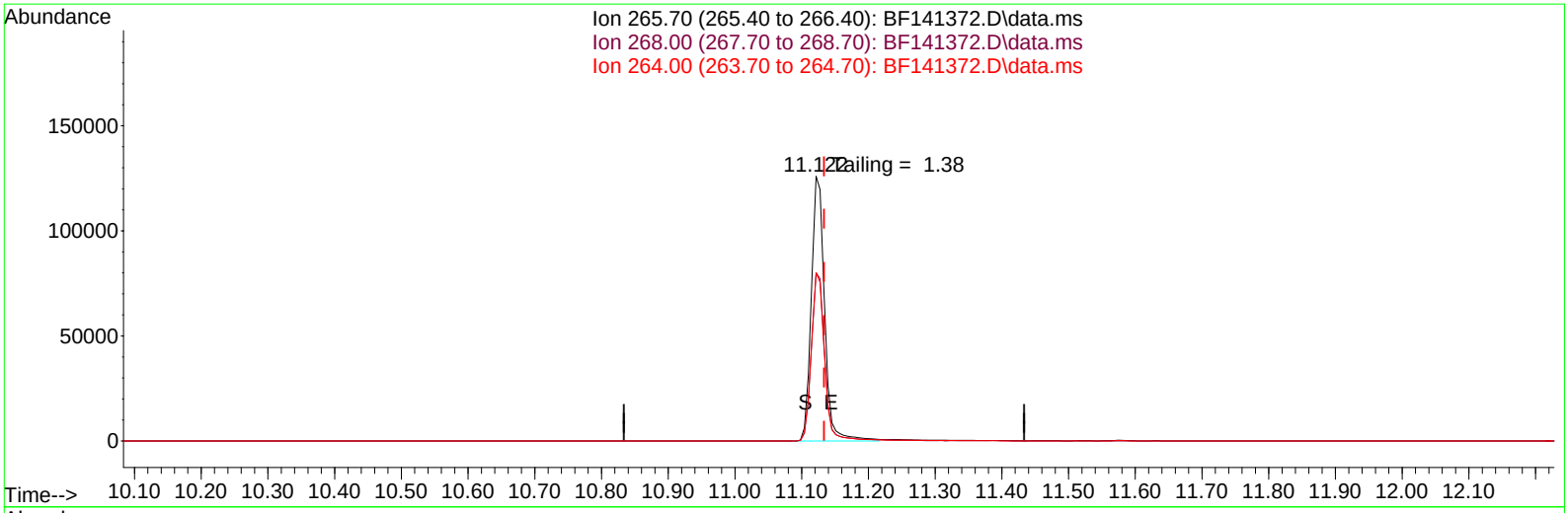
Instrument :
BNA_F
ClientSampleId :
DFTPP

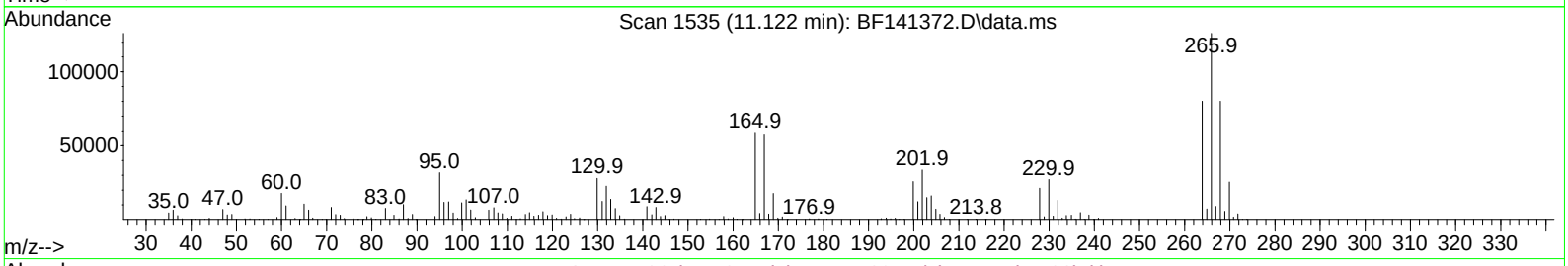
Sample Results: **BF141372.D**

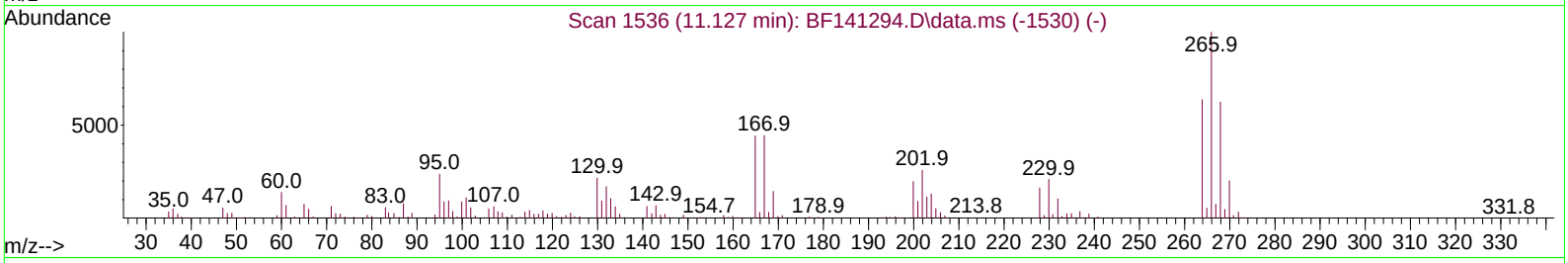
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141372.D
Acq On : 03 Feb 2025 16:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Feb 04 05:08:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration




TIC: BF141372.D\data.ms

**(70) Pentachlorophenol (C)**

**11.122min (-0.012) 6372.12 ng**

**response 175387**

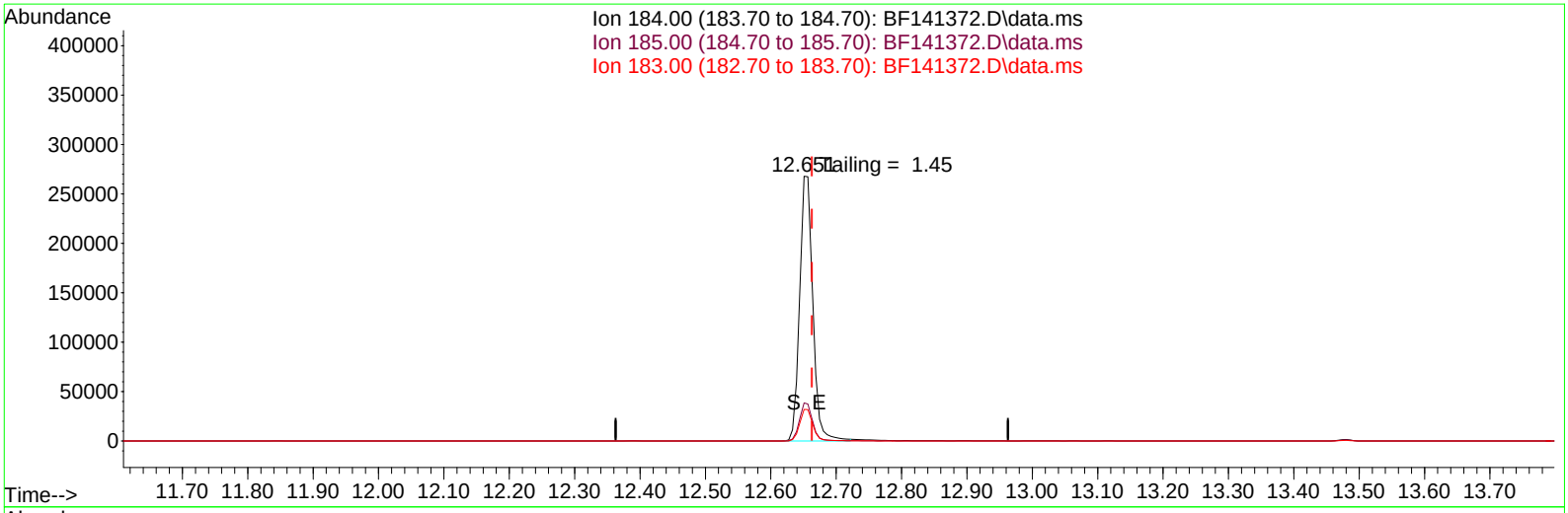
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 62.40 | 63.54 |
| 264.00 | 63.70 | 63.51 |
| 0.00 | 0.00 | 0.00 |

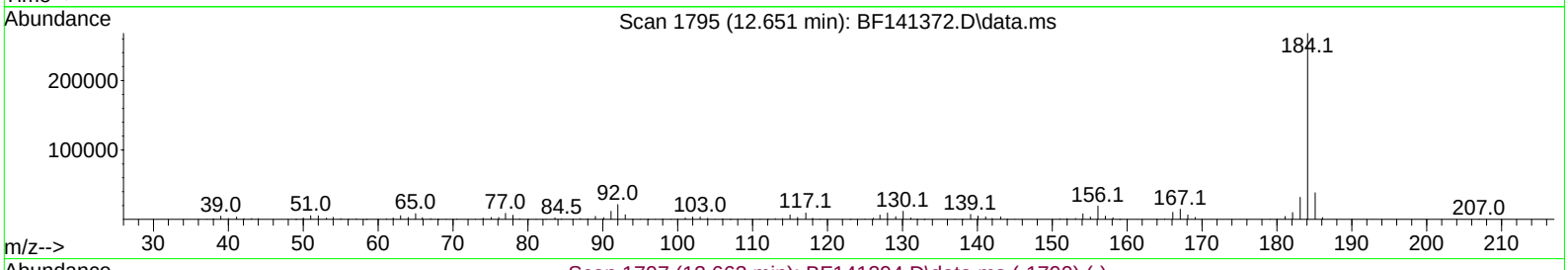
Sample Results: **BF141372.D**

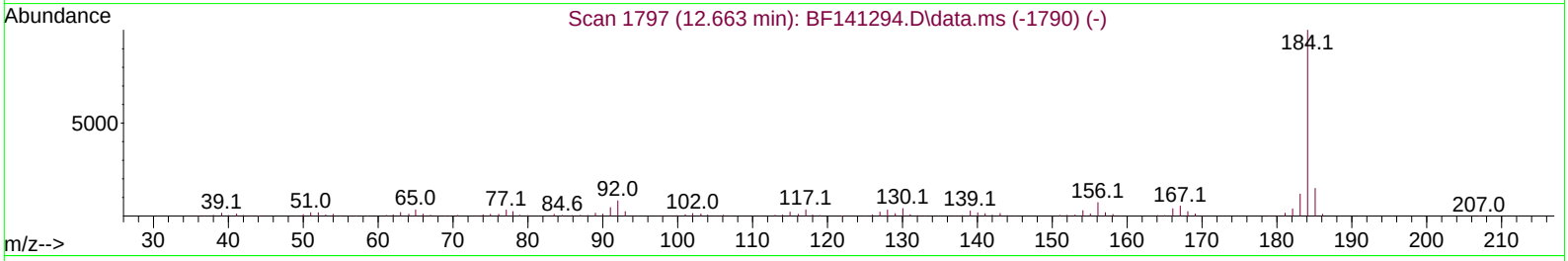
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141372.D
Acq On : 03 Feb 2025 16:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Feb 04 05:08:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration




TIC: BF141372.D\data.ms

**(77) Benzidine**

**12.651min (-0.012) 4251.31 ng**

**response 379432**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.90 | 14.36 |
| 183.00 | 11.90 | 11.93 |
| 0.00 | 0.00 | 0.00 |

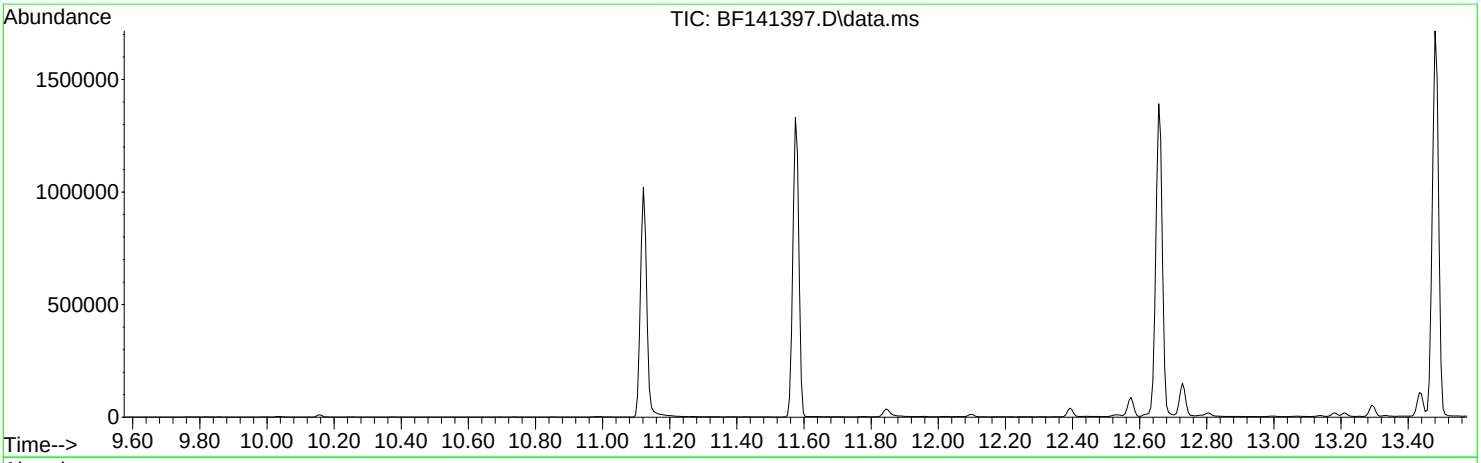
Sample Results: **BF141397.D**

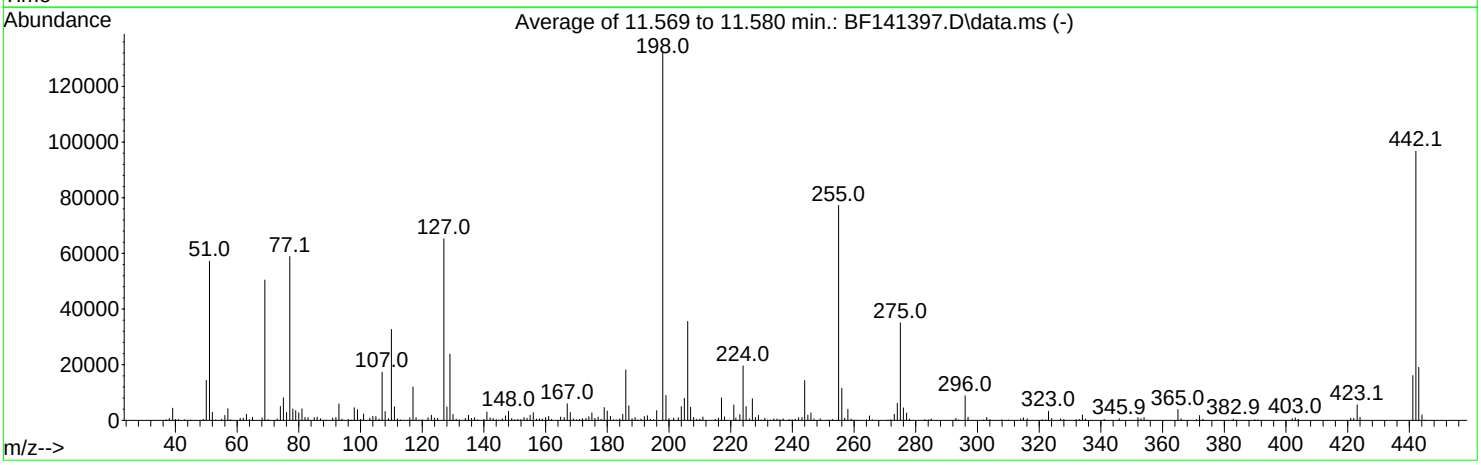
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141397.D
Acq On : 04 Feb 2025 10:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025




AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 43.3 | 57171 | PASS |
| 68 | 69 | 0.00 | 2 | 1.9 | 947 | PASS |
| 69 | 198 | 0.00 | 100 | 38.1 | 50408 | PASS |
| 70 | 69 | 0.00 | 2 | 0.6 | 288 | PASS |
| 127 | 198 | 10 | 80 | 49.4 | 65259 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 132187 | PASS |
| 199 | 198 | 5 | 9 | 6.8 | 8986 | PASS |
| 275 | 198 | 10 | 60 | 26.5 | 35069 | PASS |
| 365 | 198 | 1 | 100 | 3.0 | 3931 | PASS |
| 441 | 198 | 0.01 | 100 | 12.2 | 16076 | PASS |
| 442 | 442 | 50 | 100 | 100.0 | 96717 | PASS |
| 443 | 442 | 15 | 24 | 19.7 | 19012 | PASS |

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 2/4/2025 | BNA_F | BF141397.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 430190 | 13.48 |
| DDD | 8939 | 13.18 |
| DDE | 241 | 12.845 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 9180 | 439370 | 2.09 |
| | | |

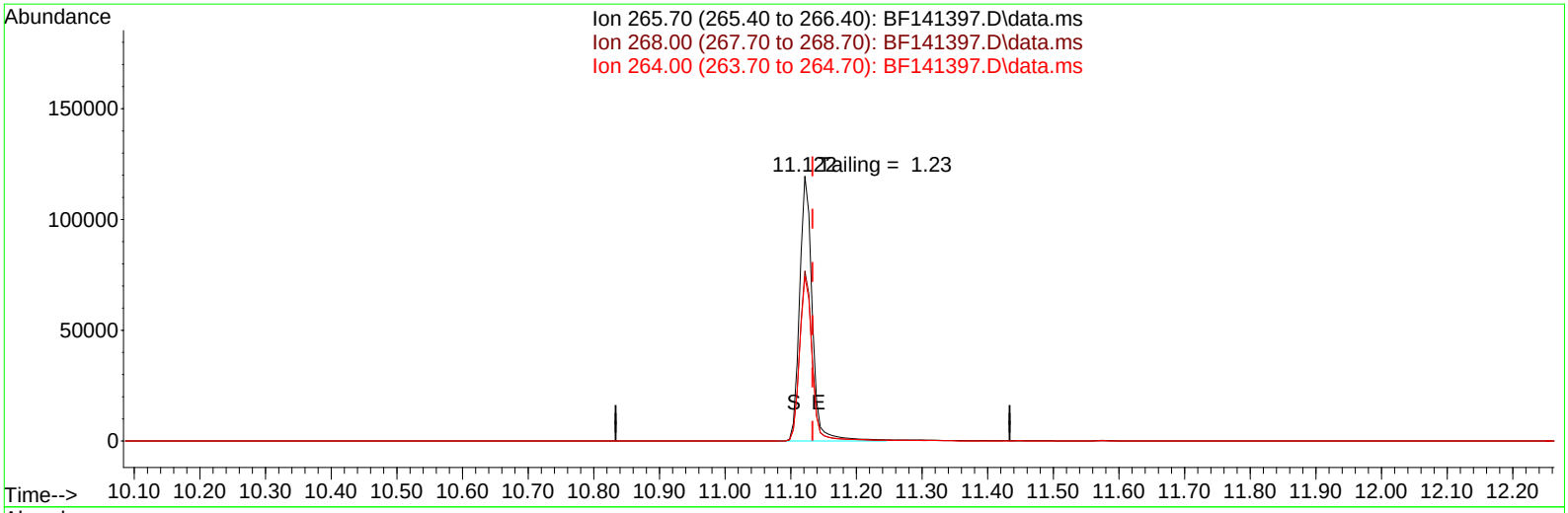
Instrument :
BNA_F
ClientSampleId :
DFTPP

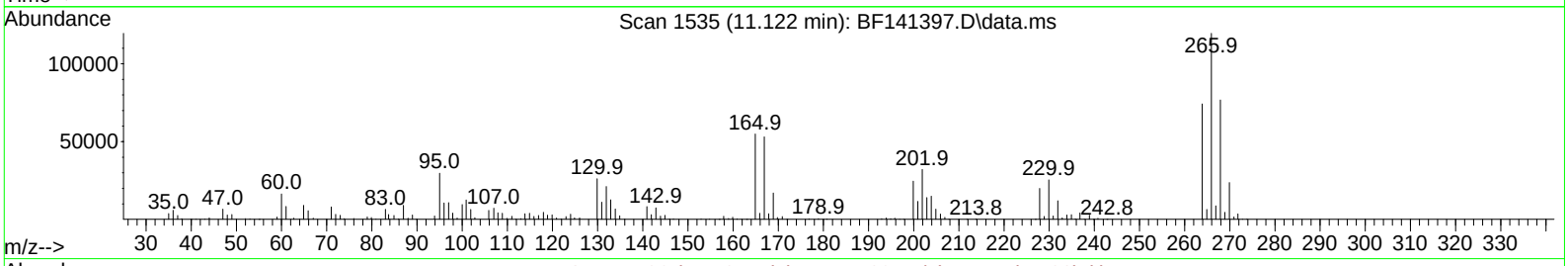
Sample Results: **BF141397.D**

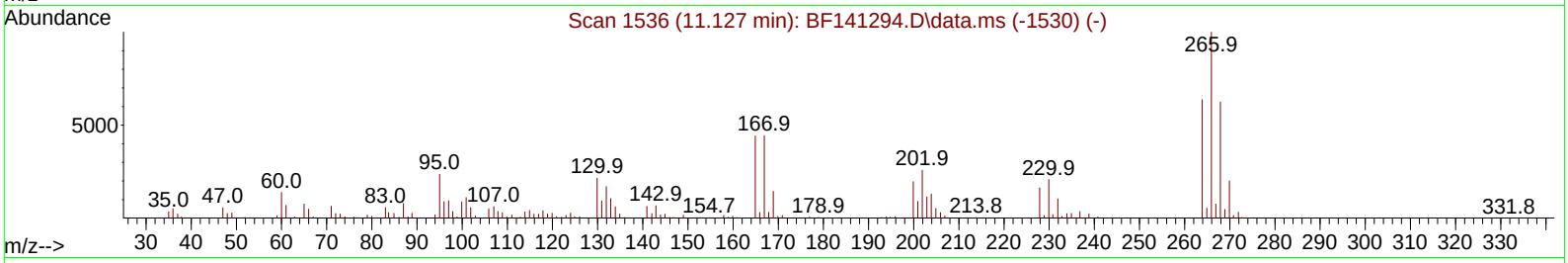
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141397.D
Acq On : 04 Feb 2025 10:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Feb 04 11:33:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration




TIC: BF141397.D\data.ms

**(70) Pentachlorophenol (C)**

**11.122min (-0.012) 45312.00 ng**

**response 160702**

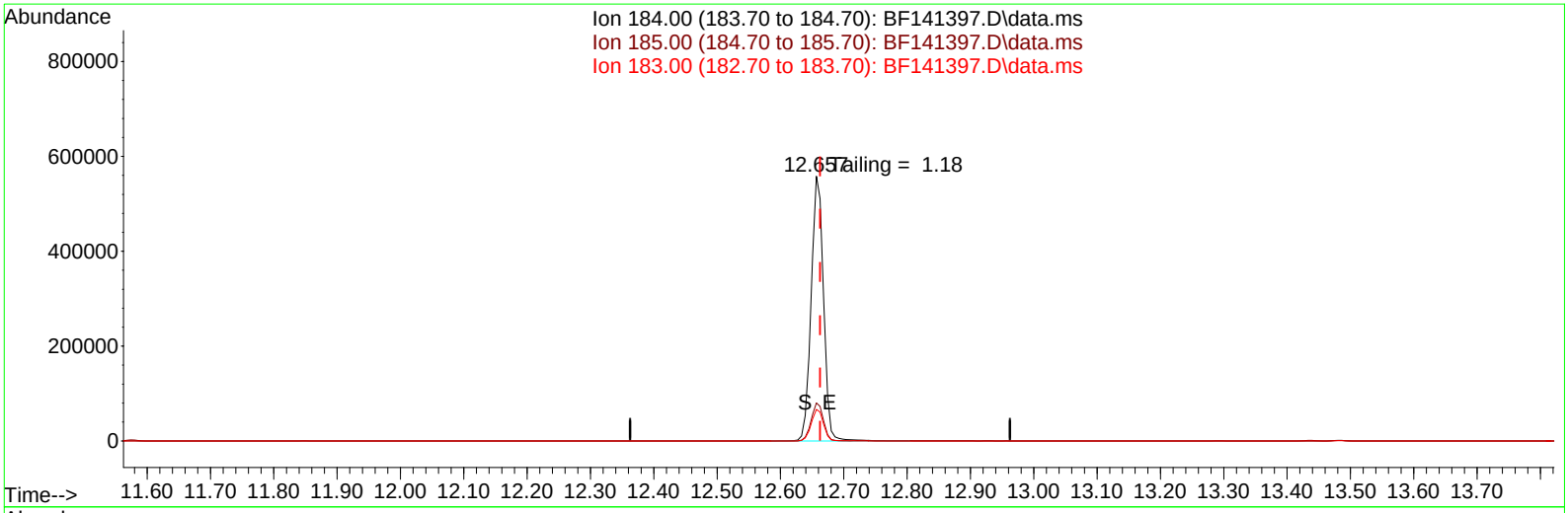
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 62.40 | 64.23 |
| 264.00 | 63.70 | 62.09 |
| 0.00 | 0.00 | 0.00 |

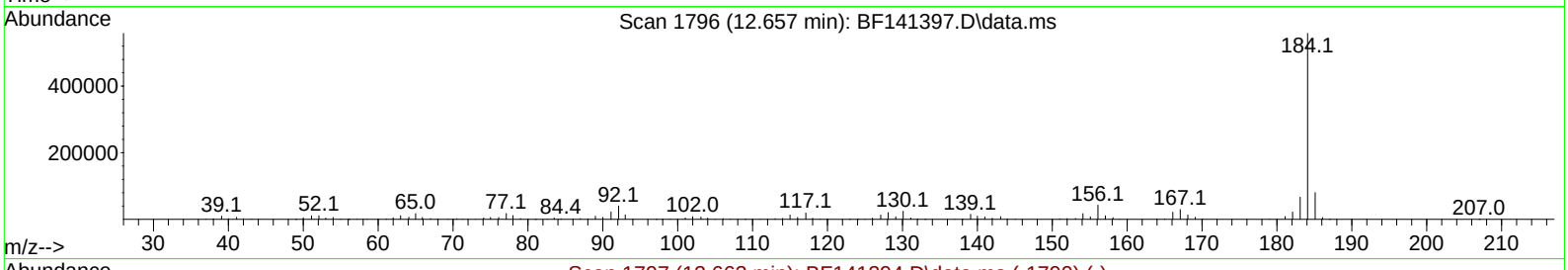
Sample Results: **BF141397.D**

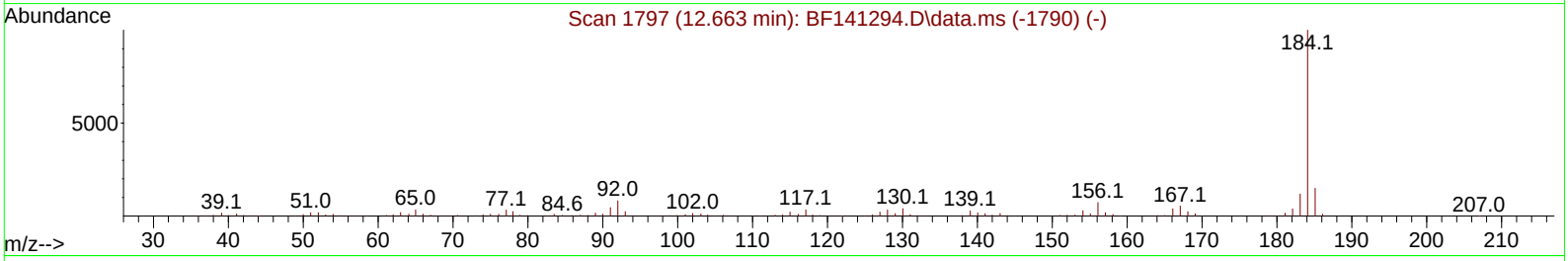
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141397.D
Acq On : 04 Feb 2025 10:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Feb 04 11:33:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration




TIC: BF141397.D\data.ms

**(77) Benzidine**

**12.657min (-0.006) 113140.91 ng**

**response 761695**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.90 | 14.38 |
| 183.00 | 11.90 | 11.93 |
| 0.00 | 0.00 | 0.00 |

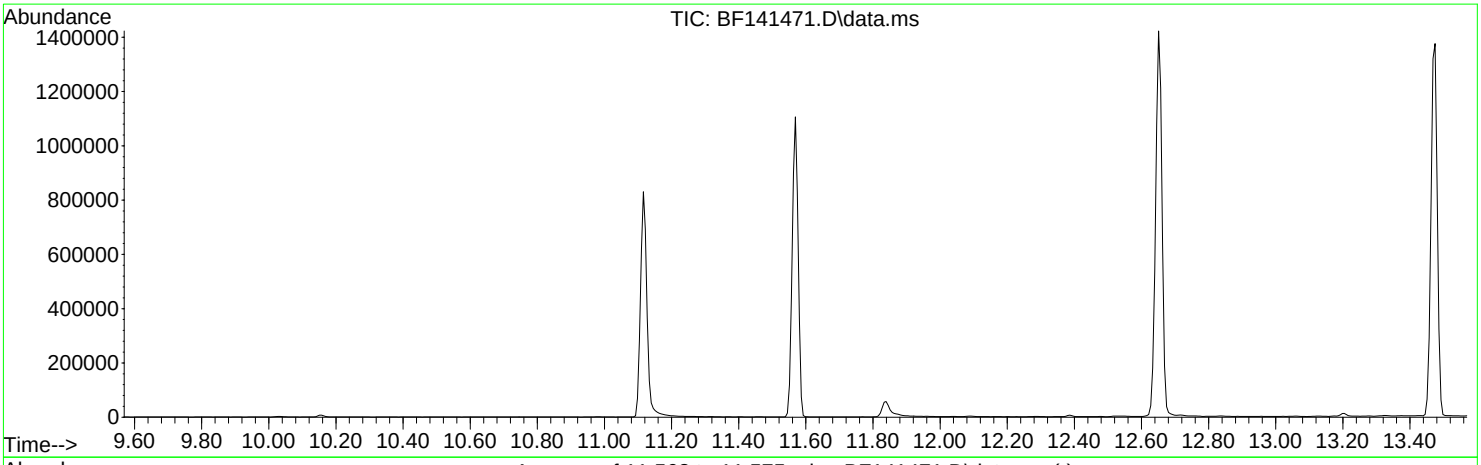
Sample Results: **BF141471.D**

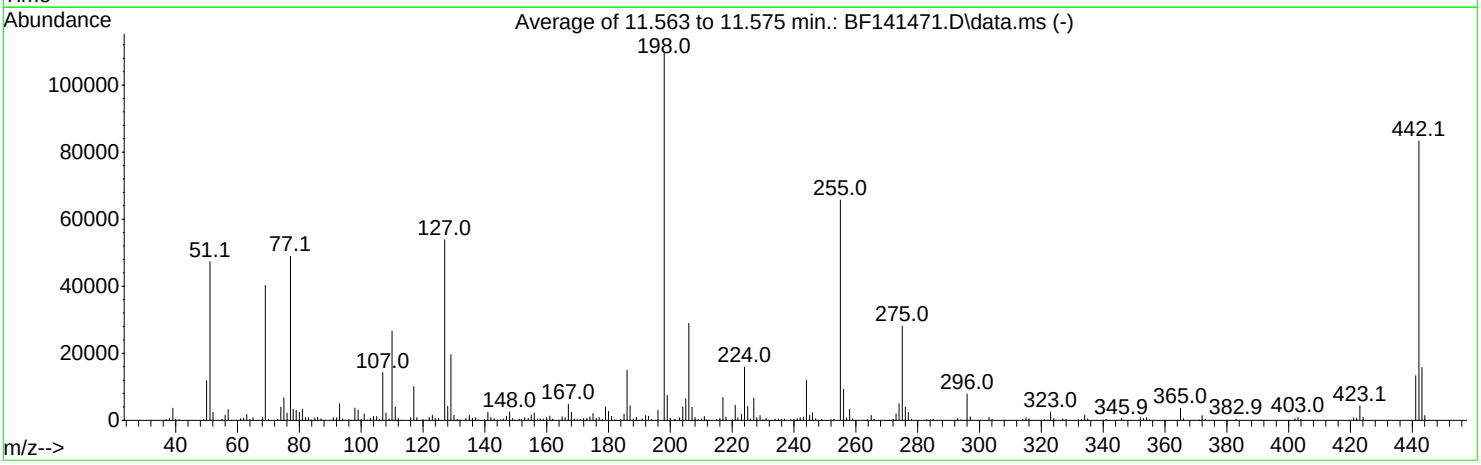
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 06 16:58:59 2025




AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1603

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 43.2 | 47360 | PASS |
| 68 | 69 | 0.00 | 2 | 1.9 | 756 | PASS |
| 69 | 198 | 0.00 | 100 | 36.7 | 40248 | PASS |
| 70 | 69 | 0.00 | 2 | 0.5 | 221 | PASS |
| 127 | 198 | 10 | 80 | 49.1 | 53877 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 109720 | PASS |
| 199 | 198 | 5 | 9 | 6.8 | 7444 | PASS |
| 275 | 198 | 10 | 60 | 25.6 | 28133 | PASS |
| 365 | 198 | 1 | 100 | 3.3 | 3599 | PASS |
| 441 | 198 | 0.01 | 100 | 12.2 | 13341 | PASS |
| 442 | 442 | 50 | 100 | 100.0 | 83323 | PASS |
| 443 | 442 | 15 | 24 | 18.9 | 15754 | PASS |

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 2/6/2025 | BNA_F | BF141471.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 348871 | 13.475 |
| DDD | 6398 | 13.204 |
| DDE | 521 | 12.839 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 6919 | 355790 | 1.94 |
| | | |

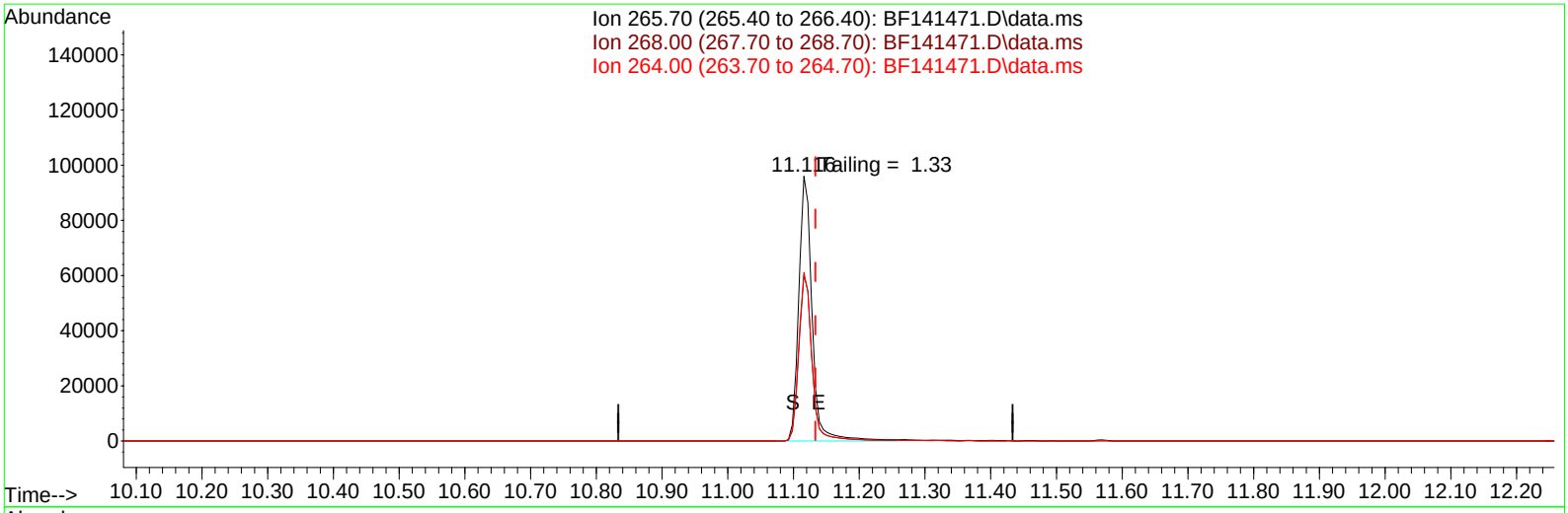
Instrument :
BNA_F
ClientSampleId :
DFTPP

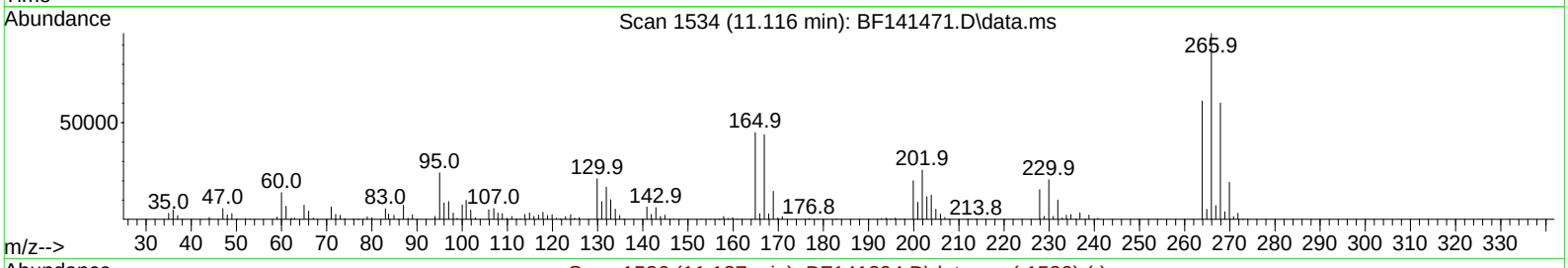
Sample Results: **BF141471.D**

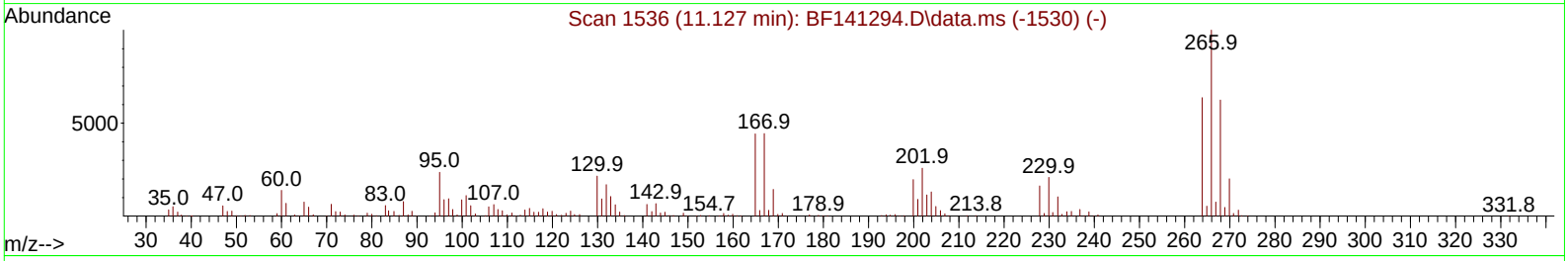
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Feb 06 13:09:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 13:08:53 2025
Response via : Initial Calibration




TIC: BF141471.D\data.ms

**(70) Pentachlorophenol (C)**

**11.116min (-0.018) 32915.33 ng**

**response 135048**

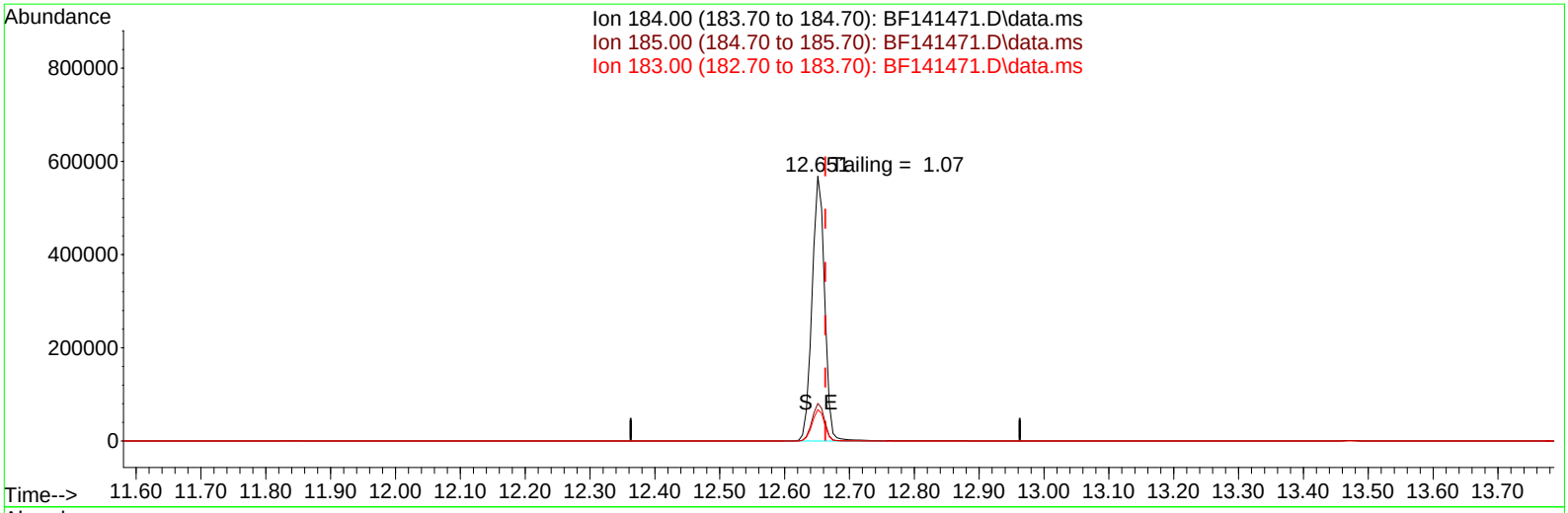
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 62.40 | 62.59 |
| 264.00 | 63.70 | 63.70 |
| 0.00 | 0.00 | 0.00 |

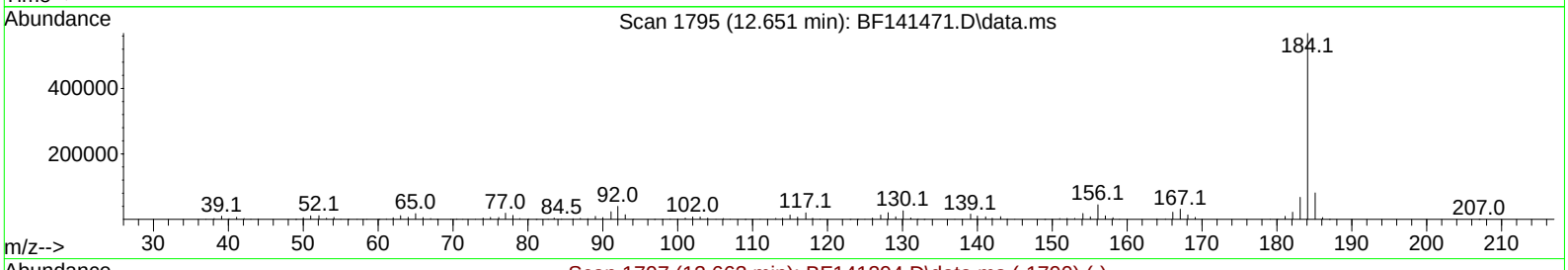
Sample Results: **BF141471.D**

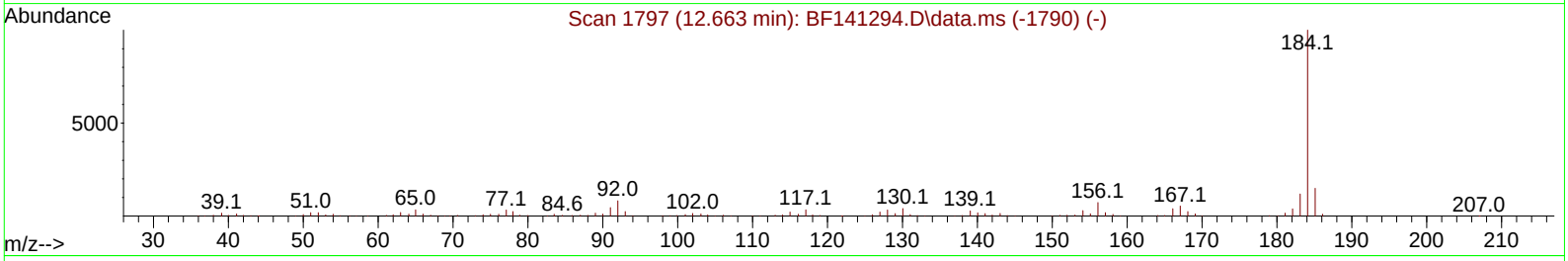
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Feb 06 13:09:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 13:08:53 2025
Response via : Initial Calibration




TIC: BF141471.D\data.ms

**(77) Benzidine**

**12.651min (-0.012) 0.00 ng**

**response 764582**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.90 | 14.21 |
| 183.00 | 11.90 | 11.88 |
| 0.00 | 0.00 | 0.00 |

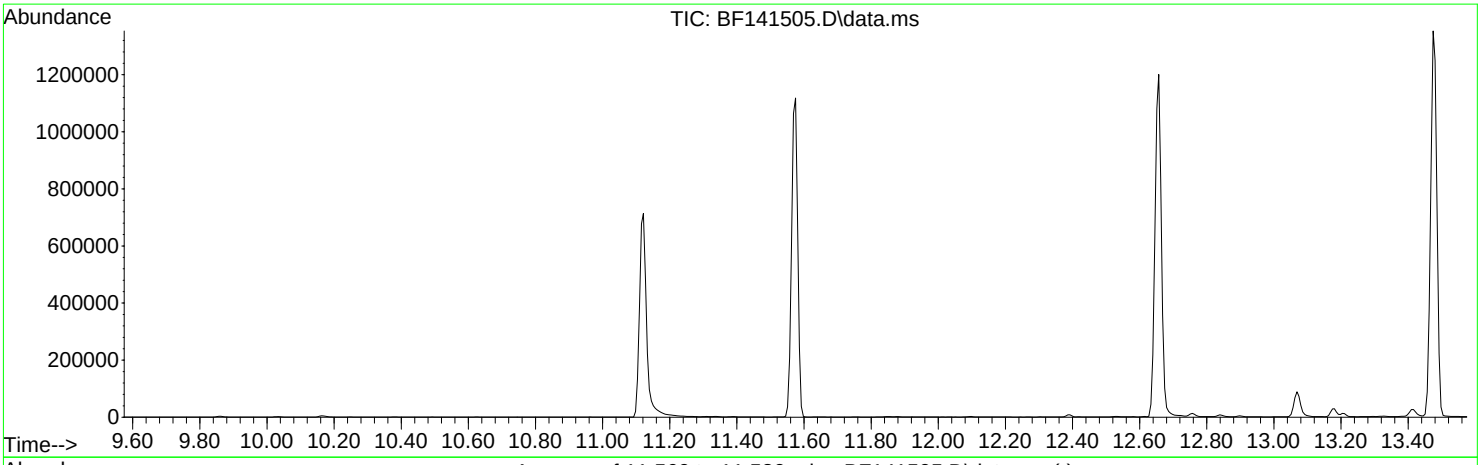
Sample Results: **BF141505.D**

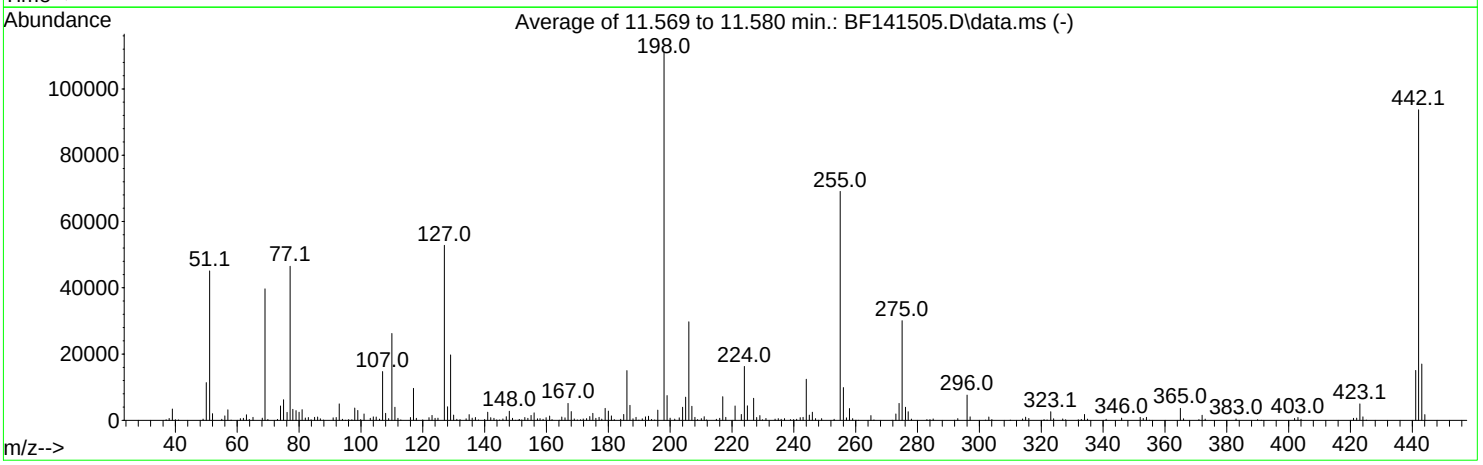
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141505.D
Acq On : 07 Feb 2025 14:07
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 06 16:58:59 2025




AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1604

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 40.6 | 45085 | PASS |
| 68 | 69 | 0.00 | 2 | 1.7 | 677 | PASS |
| 69 | 198 | 0.00 | 100 | 35.7 | 39669 | PASS |
| 70 | 69 | 0.00 | 2 | 0.7 | 272 | PASS |
| 127 | 198 | 10 | 80 | 47.6 | 52811 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 110989 | PASS |
| 199 | 198 | 5 | 9 | 6.7 | 7473 | PASS |
| 275 | 198 | 10 | 60 | 27.1 | 30101 | PASS |
| 365 | 198 | 1 | 100 | 3.3 | 3633 | PASS |
| 441 | 198 | 0.01 | 100 | 13.6 | 15067 | PASS |
| 442 | 442 | 50 | 100 | 100.0 | 93723 | PASS |
| 443 | 442 | 15 | 24 | 18.1 | 16972 | PASS |

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 2/7/2025 | BNA_F | BF141505.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 346517 | 13.474 |
| DDD | 12084 | 13.18 |
| DDE | 2082 | 12.839 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 14166 | 360683 | 3.93 |
| | | |

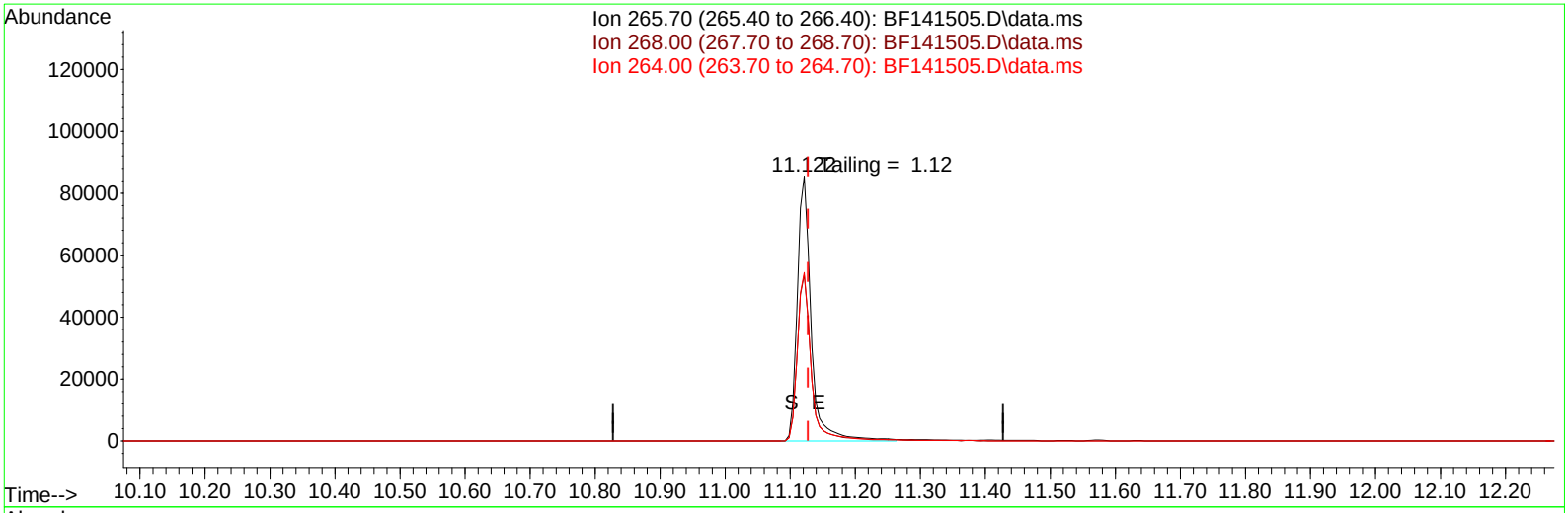
Instrument :
BNA_F
ClientSampleId :
DFTPP

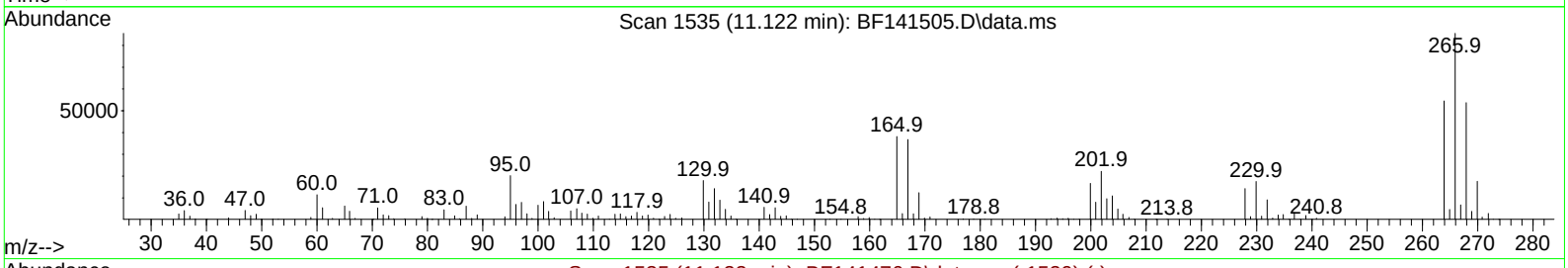
Sample Results: **BF141505.D**

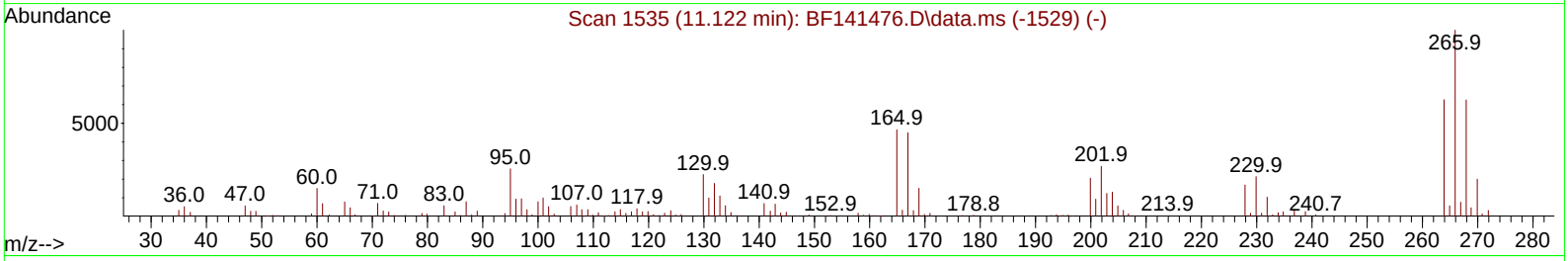
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141505.D
Acq On : 07 Feb 2025 14:07
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Feb 07 14:31:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration




TIC: BF141505.D\data.ms

**(70) Pentachlorophenol (C)**

**11.122min (-0.006) 20208.15 ng**

**response 127294**

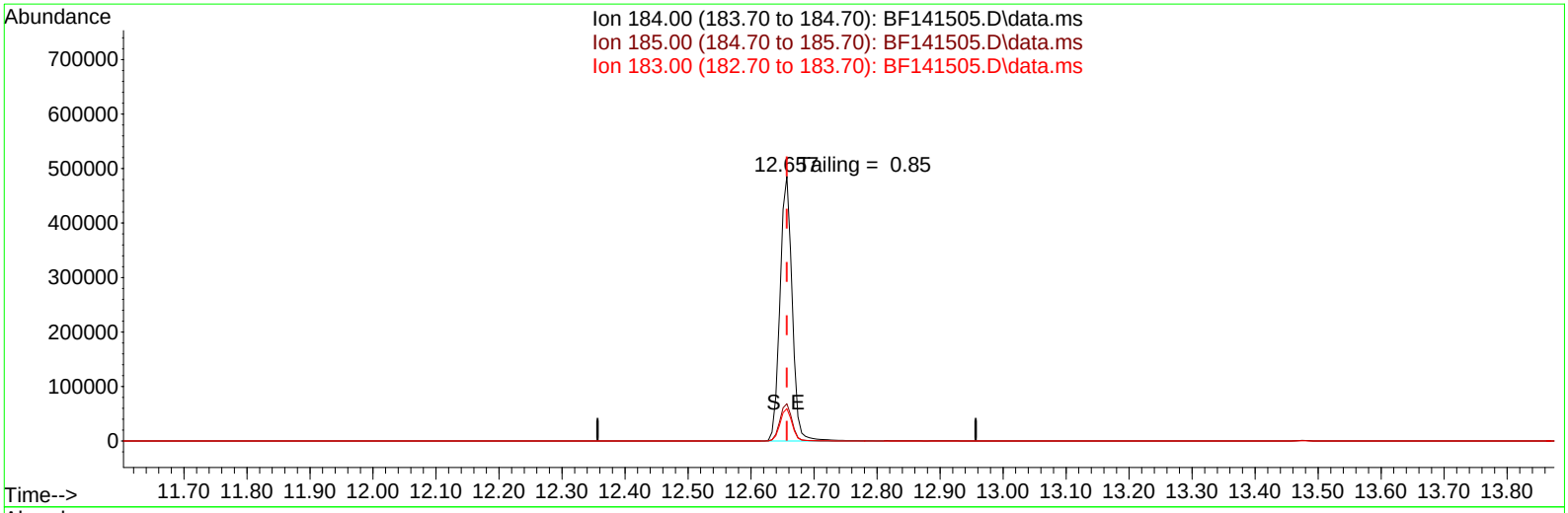
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 62.60 | 62.80 |
| 264.00 | 62.60 | 63.69 |
| 0.00 | 0.00 | 0.00 |

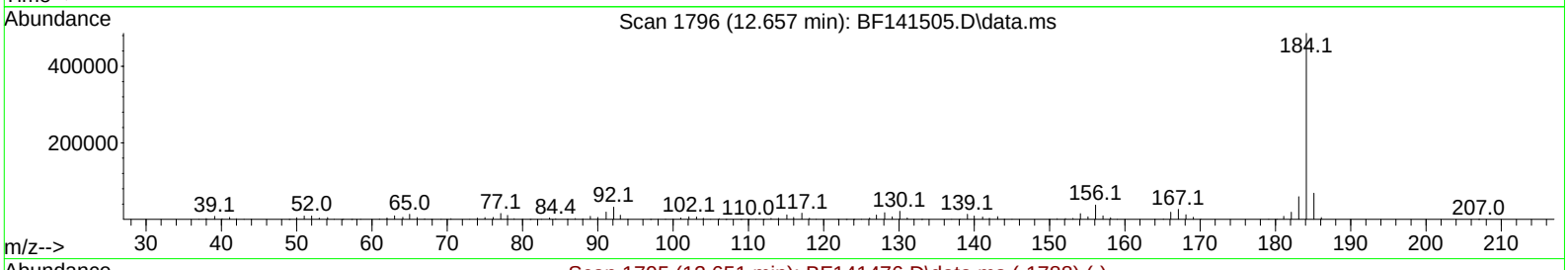
Sample Results: **BF141505.D**

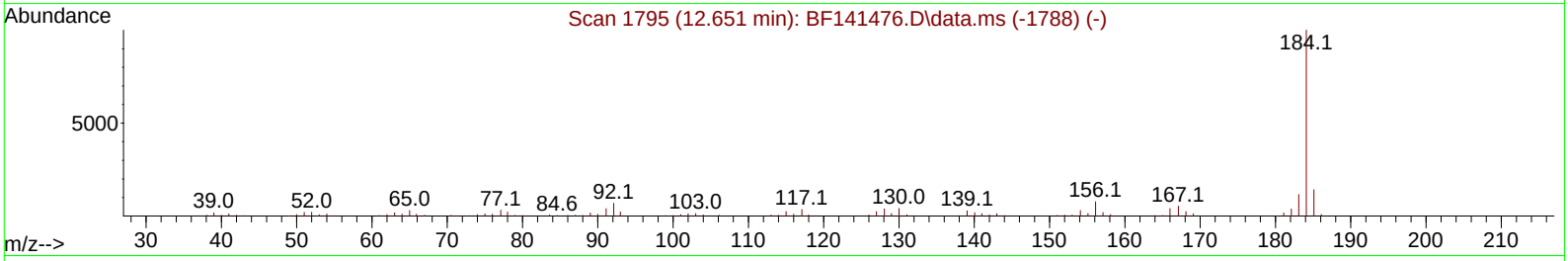
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141505.D
Acq On : 07 Feb 2025 14:07
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Feb 07 14:31:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration




TIC: BF141505.D\data.ms

**(77) Benzidine**

**12.657min (+ 0.000) 44608.91 ng**

**response 656208**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.10 | 14.11 |
| 183.00 | 11.60 | 12.23 |
| 0.00 | 0.00 | 0.00 |

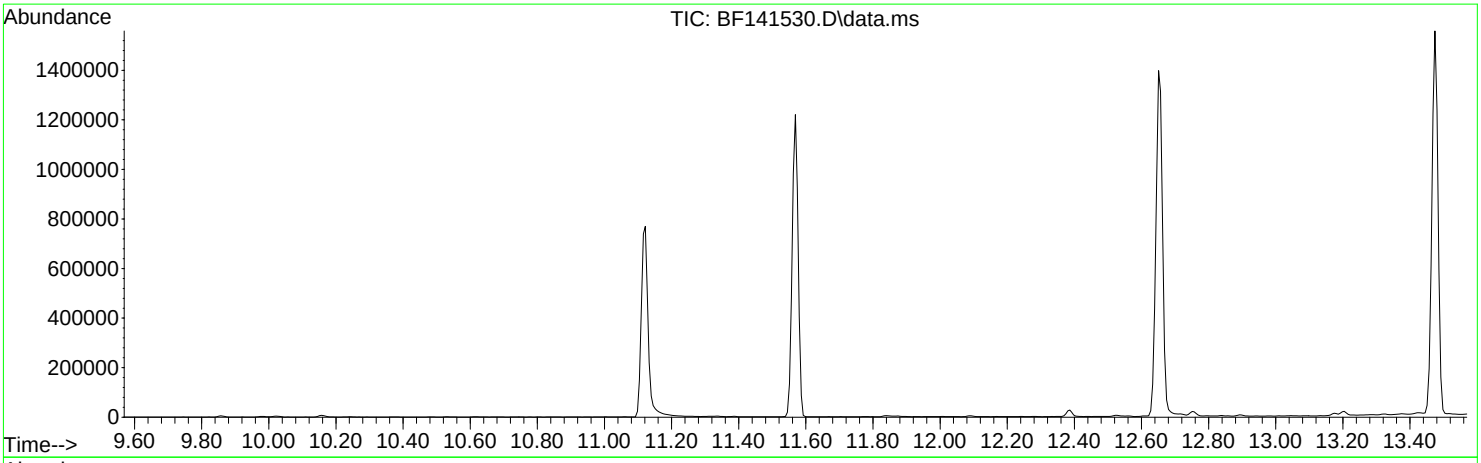
Sample Results: **BF141530.D**

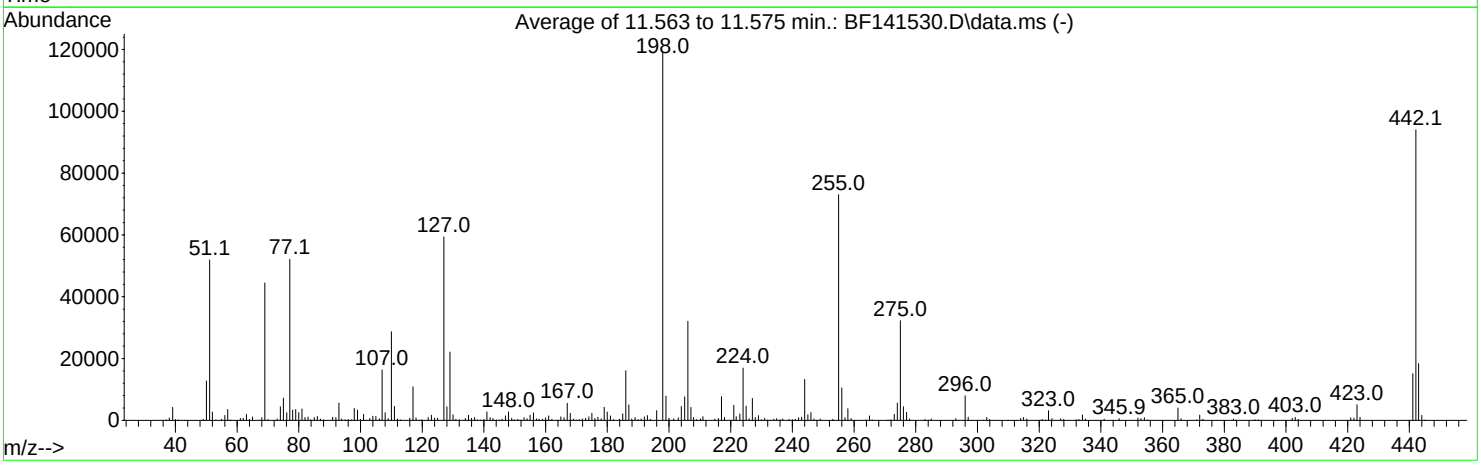
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141530.D
Acq On : 10 Feb 2025 11:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 06 16:58:59 2025




AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1604

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 43.6 | 51904 | PASS |
| 68 | 69 | 0.00 | 2 | 1.9 | 860 | PASS |
| 69 | 198 | 0.00 | 100 | 37.3 | 44448 | PASS |
| 70 | 69 | 0.00 | 2 | 0.5 | 238 | PASS |
| 127 | 198 | 10 | 80 | 49.9 | 59352 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 119008 | PASS |
| 199 | 198 | 5 | 9 | 6.6 | 7849 | PASS |
| 275 | 198 | 10 | 60 | 27.1 | 32248 | PASS |
| 365 | 198 | 1 | 100 | 3.4 | 3990 | PASS |
| 441 | 198 | 0.01 | 100 | 12.7 | 15136 | PASS |
| 442 | 442 | 50 | 100 | 100.0 | 94021 | PASS |
| 443 | 442 | 15 | 24 | 19.5 | 18358 | PASS |

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 2/10/2025 | BNA_F | BF141530.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 386356 | 13.474 |
| DDD | 7404 | 13.204 |
| DDE | 837 | 12.839 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 8241 | 394597 | 2.09 |
| | | |

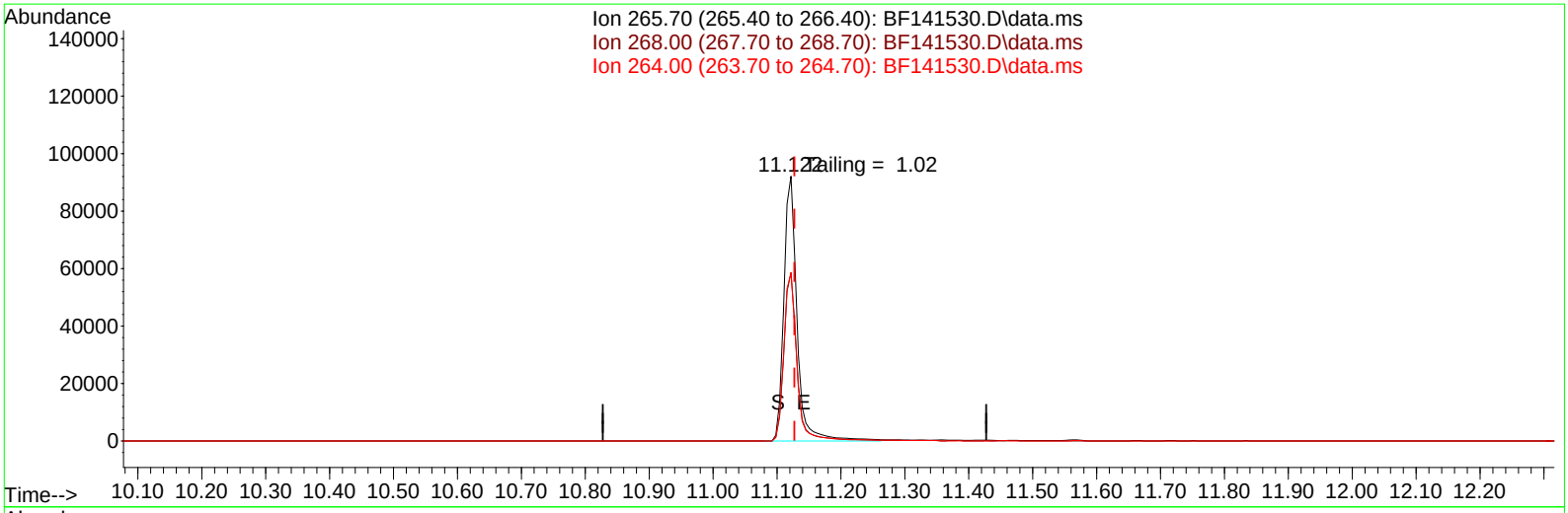
Instrument :
BNA_F
ClientSampleId :
DFTPP

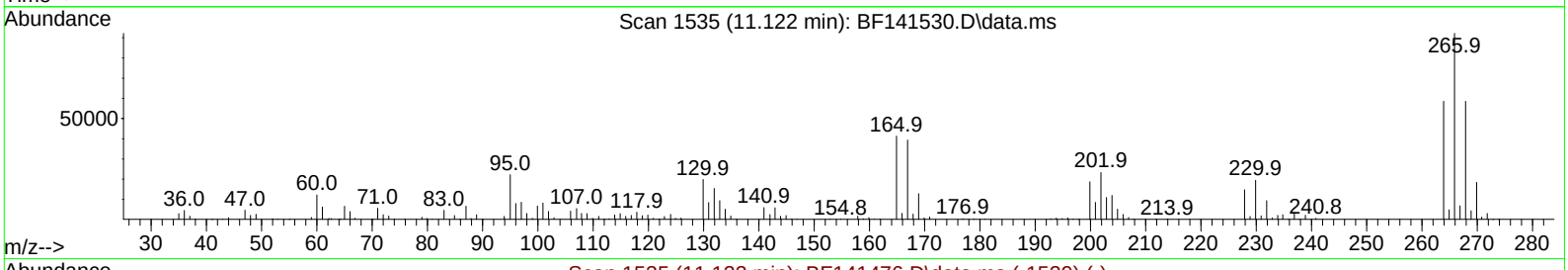
Sample Results: **BF141530.D**

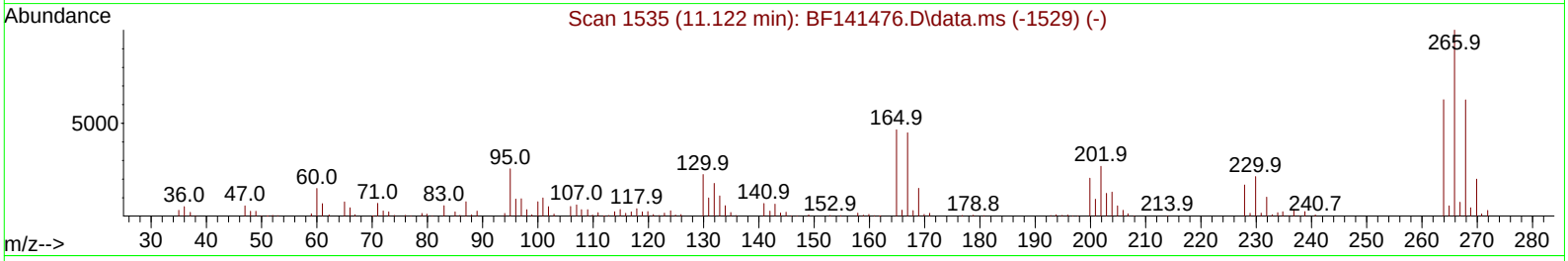
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141530.D
Acq On : 10 Feb 2025 11:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Feb 10 12:29:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration




TIC: BF141530.D\data.ms

**(70) Pentachlorophenol (C)**

**11.122min (-0.006) 15920.77 ng**

**response 133560**

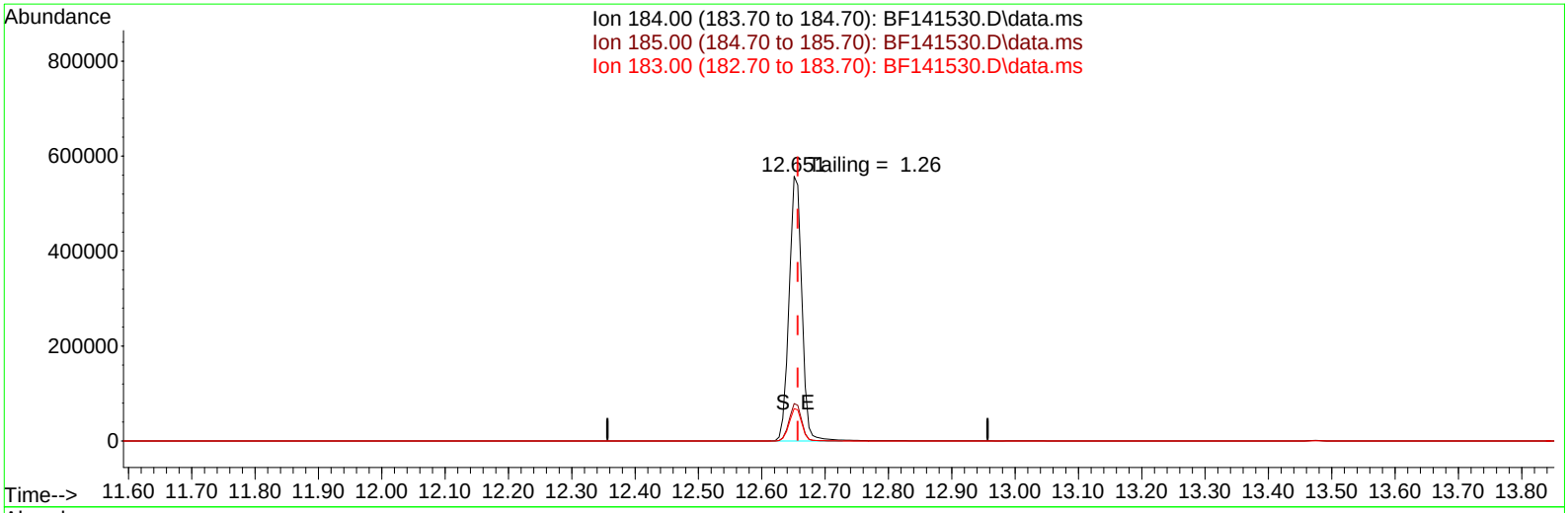
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 62.60 | 63.58 |
| 264.00 | 62.60 | 63.58 |
| 0.00 | 0.00 | 0.00 |

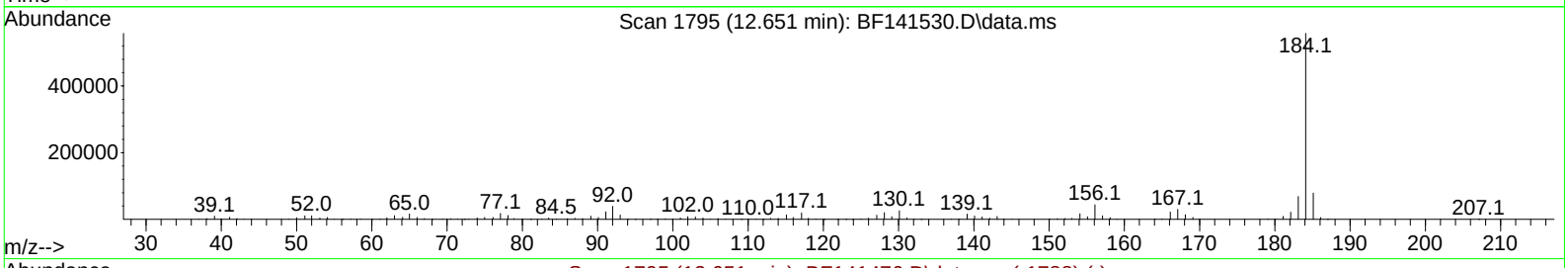
Sample Results: **BF141530.D**

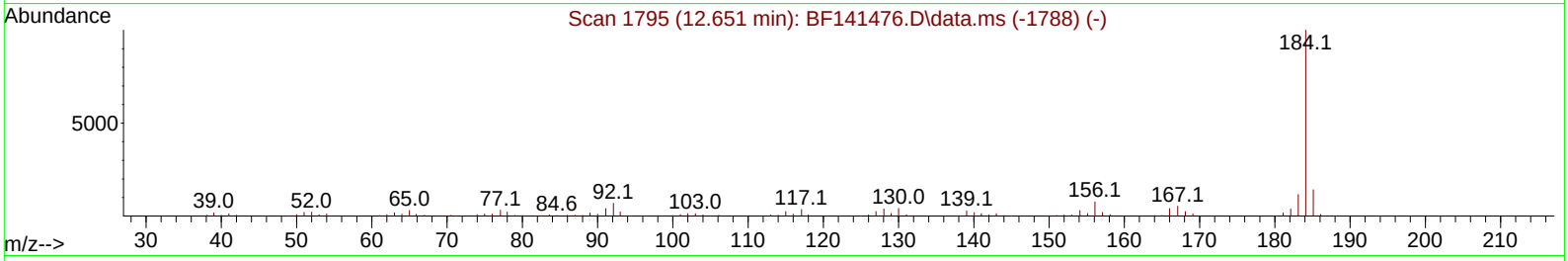
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141530.D
Acq On : 10 Feb 2025 11:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Feb 10 12:29:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration




TIC: BF141530.D\data.ms

**(77) Benzidine**

**12.651min (-0.006) 32112.35 ng**

**response 784704**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.10 | 14.14 |
| 183.00 | 11.60 | 12.25 |
| 0.00 | 0.00 | 0.00 |

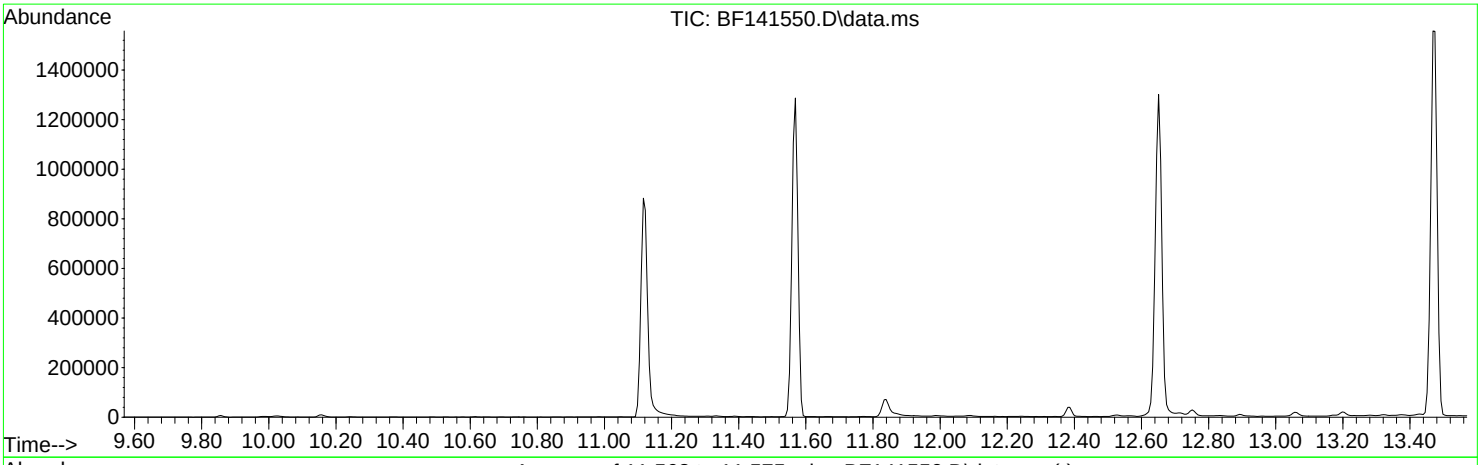
Sample Results: **BF141550.D**

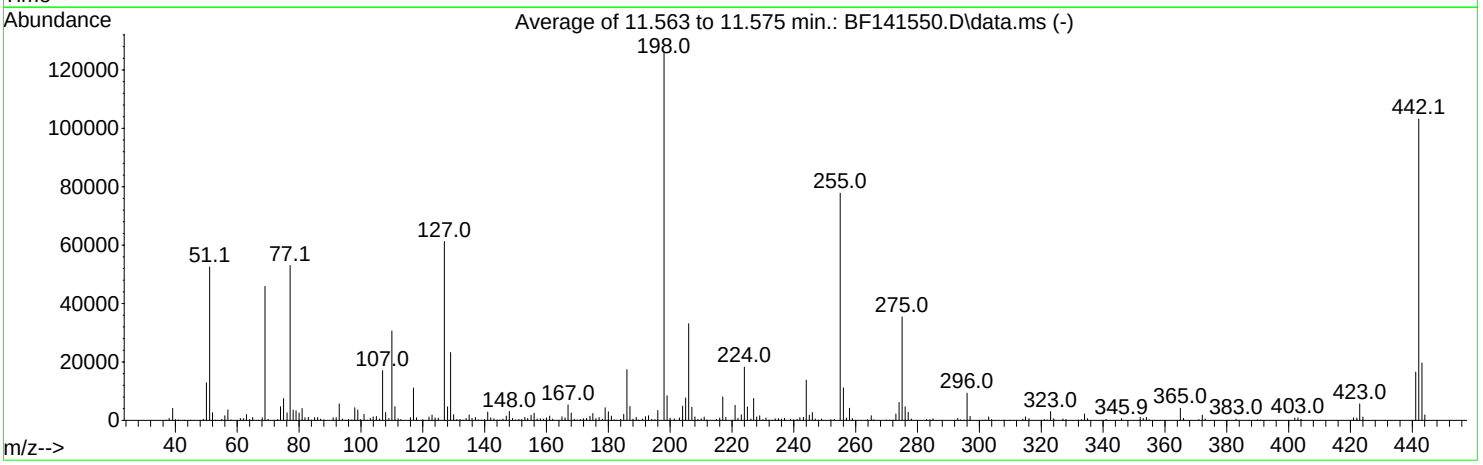
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141550.D
Acq On : 11 Feb 2025 10:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 06 16:58:59 2025




AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1603

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 41.7 | 52576 | PASS |
| 68 | 69 | 0.00 | 2 | 1.9 | 880 | PASS |
| 69 | 198 | 0.00 | 100 | 36.4 | 45864 | PASS |
| 70 | 69 | 0.00 | 2 | 0.7 | 312 | PASS |
| 127 | 198 | 10 | 80 | 48.6 | 61283 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 125976 | PASS |
| 199 | 198 | 5 | 9 | 6.7 | 8465 | PASS |
| 275 | 198 | 10 | 60 | 28.2 | 35464 | PASS |
| 365 | 198 | 1 | 100 | 3.3 | 4164 | PASS |
| 441 | 198 | 0.01 | 100 | 13.1 | 16543 | PASS |
| 442 | 442 | 50 | 100 | 100.0 | 103163 | PASS |
| 443 | 442 | 15 | 24 | 19.1 | 19671 | PASS |

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 2/11/2025 | BNA_F | BF141550.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 411059 | 13.474 |
| DDD | 6230 | 13.204 |
| DDE | 573 | 12.839 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 6803 | 417862 | 1.63 |
| | | |

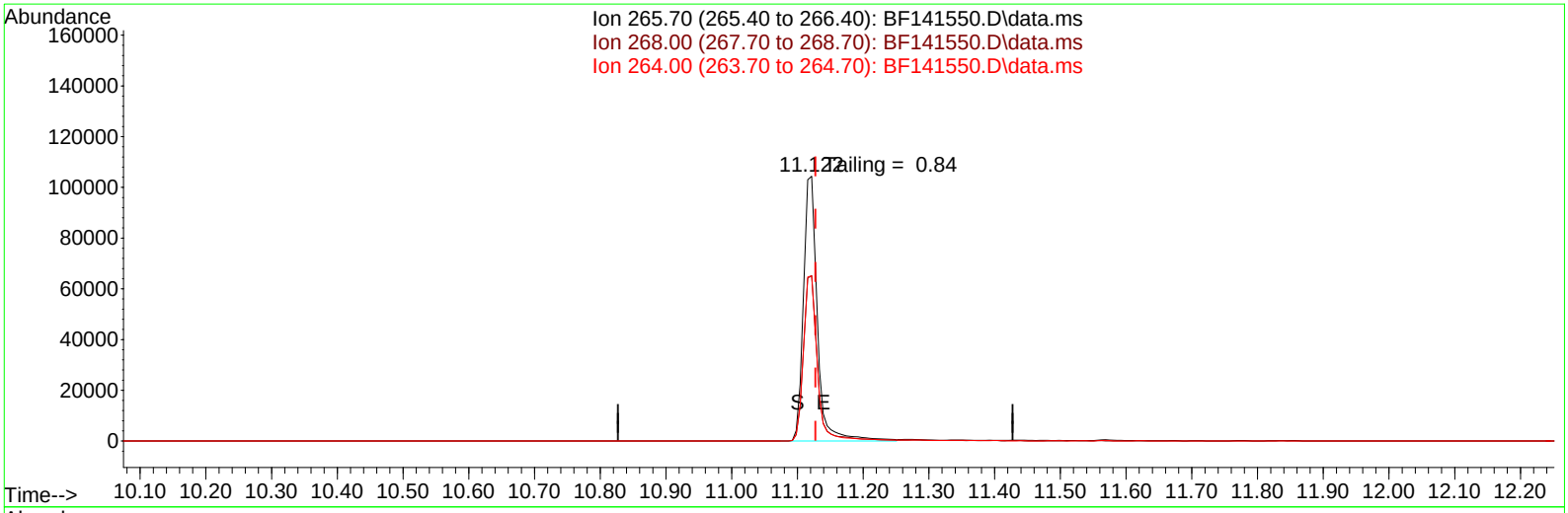
Instrument :
BNA_F
ClientSampleId :
DFTPP

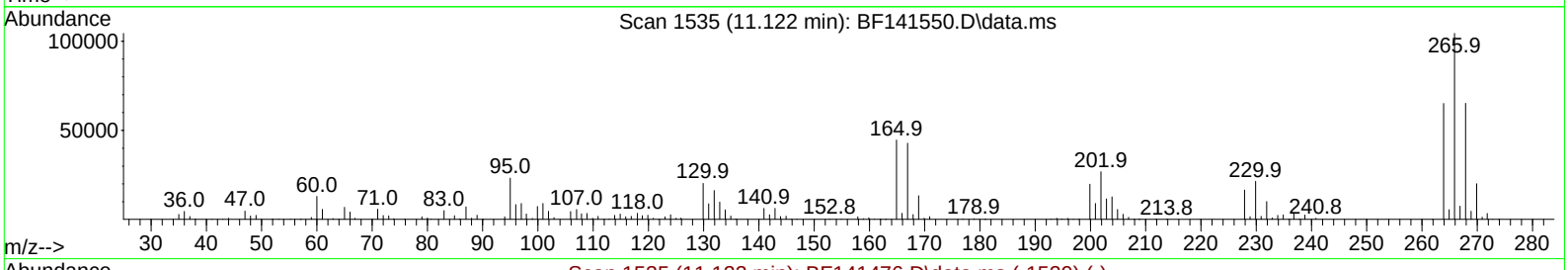
Sample Results: **BF141550.D**

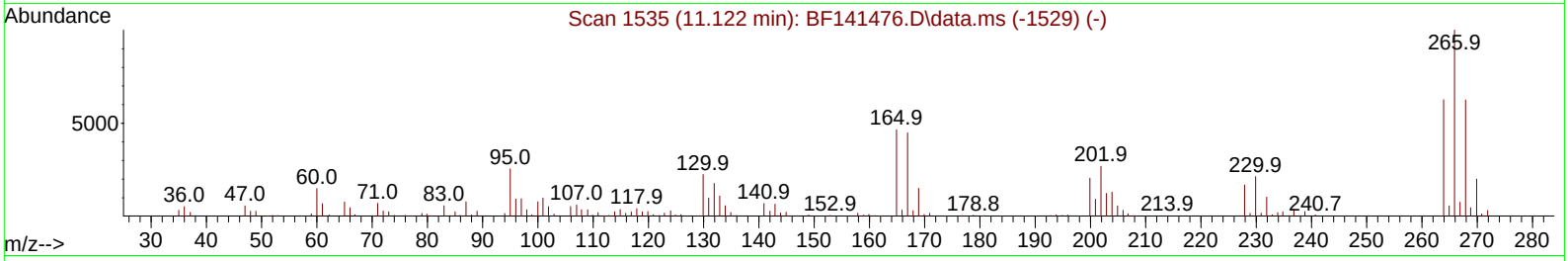
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141550.D
Acq On : 11 Feb 2025 10:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Feb 11 10:57:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration




TIC: BF141550.D\data.ms

**(70) Pentachlorophenol (C)**

**11.122min (-0.006) 16244.81 ng**

**response 154688**

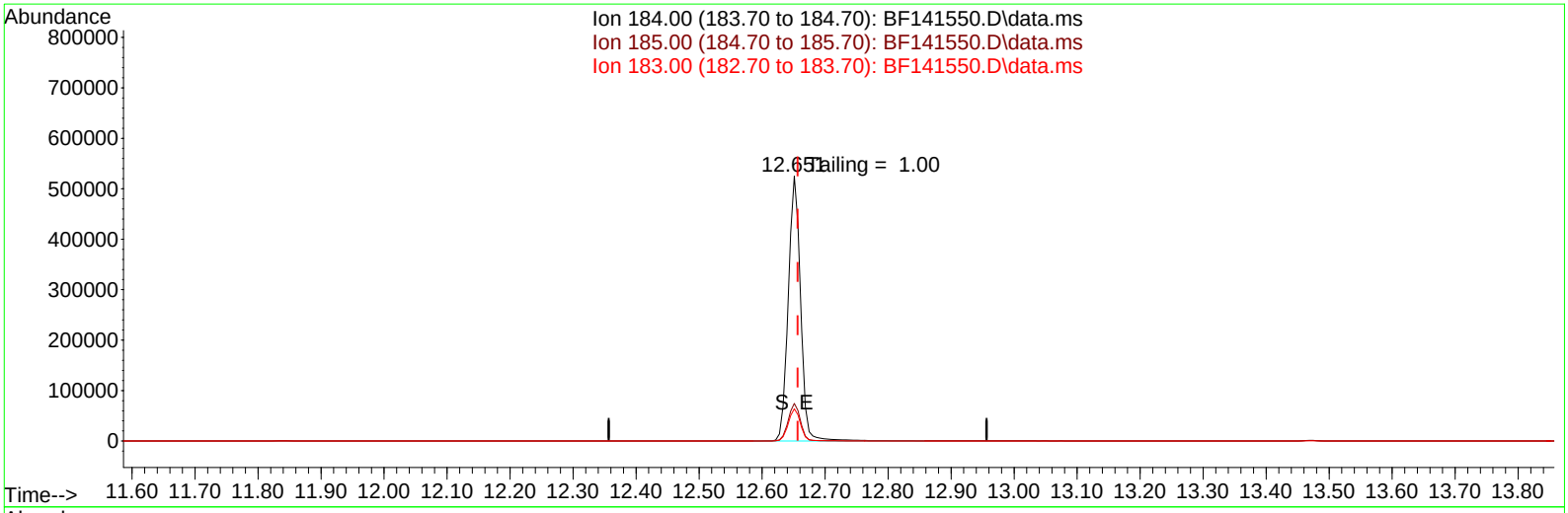
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 62.60 | 62.47 |
| 264.00 | 62.60 | 62.37 |
| 0.00 | 0.00 | 0.00 |

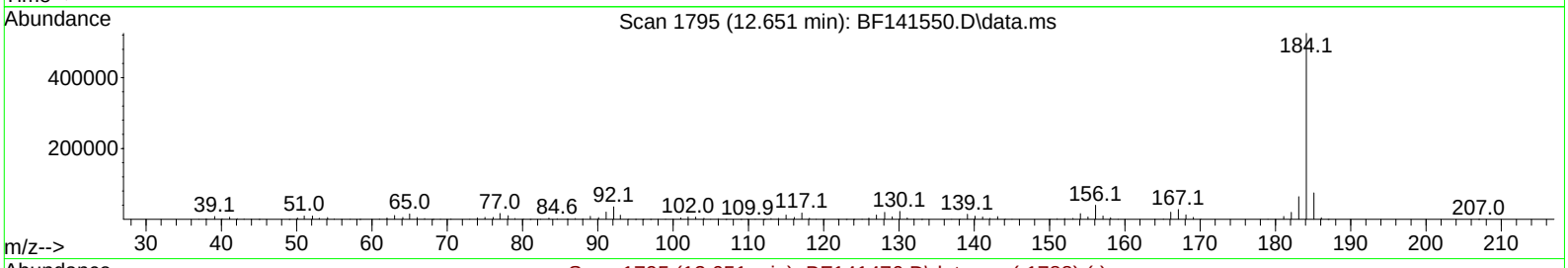
Sample Results: **BF141550.D**

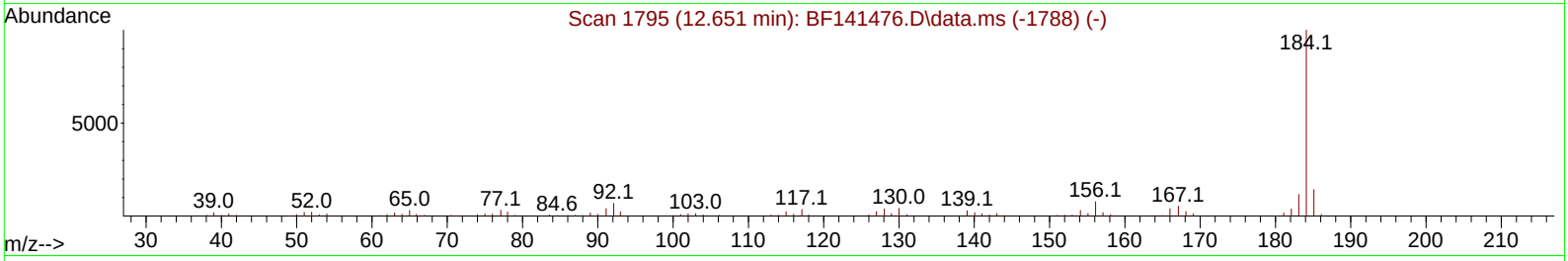
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141550.D
Acq On : 11 Feb 2025 10:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Feb 11 10:57:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration




TIC: BF141550.D\data.ms

**(77) Benzidine**

**12.651min (-0.006) 26925.30 ng**

**response 718522**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.10 | 14.23 |
| 183.00 | 11.60 | 12.19 |
| 0.00 | 0.00 | 0.00 |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | |
| Client Sample ID: | PB166360BL | SDG No.: | Q1216 |
| Lab Sample ID: | PB166360BL | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141404.D | 1 | 01/30/25 09:15 | 02/04/25 13:21 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 330 | U | 180 | 330 | ug/Kg |
| 108-95-2 | Phenol | 170 | U | 82.8 | 170 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 170 | U | 83.6 | 170 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 170 | U | 83.4 | 170 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 170 | U | 80.5 | 170 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 170 | U | 90.8 | 170 | ug/Kg |
| 98-86-2 | Acetophenone | 170 | U | 86.8 | 170 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 330 | U | 79.7 | 330 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 79.9 | U | 40.3 | 79.9 | ug/Kg |
| 67-72-1 | Hexachloroethane | 170 | U | 82.9 | 170 | ug/Kg |
| 98-95-3 | Nitrobenzene | 170 | U | 90.7 | 170 | ug/Kg |
| 78-59-1 | Isophorone | 170 | U | 84.5 | 170 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 170 | U | 94.4 | 170 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 170 | U | 93.1 | 170 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 170 | U | 85.7 | 170 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 170 | U | 75.4 | 170 | ug/Kg |
| 91-20-3 | Naphthalene | 170 | U | 82.5 | 170 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 170 | U | 82.5 | 170 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 170 | U | 83.2 | 170 | ug/Kg |
| 105-60-2 | Caprolactam | 330 | U | 86.7 | 330 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 170 | U | 77.4 | 170 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 170 | U | 82.4 | 170 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 330 | U | 160 | 330 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 170 | U | 71.4 | 170 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 170 | U | 74.0 | 170 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 170 | U | 87.3 | 170 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 170 | U | 83.2 | 170 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 170 | U | 94.9 | 170 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 170 | U | 81.6 | 170 | ug/Kg |

Raw Data: **BF141404.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | |
| Client Sample ID: | PB166360BL | SDG No.: | Q1216 |
| Lab Sample ID: | PB166360BL | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141404.D | 1 | 01/30/25 09:15 | 02/04/25 13:21 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 170 | U | 86.4 | 170 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 170 | U | 83.1 | 170 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 170 | U | 89.1 | 170 | ug/Kg |
| 83-32-9 | Acenaphthene | 170 | U | 81.0 | 170 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 330 | U | 240 | 330 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 330 | U | 120 | 330 | ug/Kg |
| 132-64-9 | Dibenzofuran | 170 | U | 84.3 | 170 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 170 | U | 86.1 | 170 | ug/Kg |
| 84-66-2 | Diethylphthalate | 170 | U | 80.0 | 170 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 170 | U | 85.5 | 170 | ug/Kg |
| 86-73-7 | Fluorene | 170 | U | 85.4 | 170 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 170 | U | 110 | 170 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 330 | U | 120 | 330 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 170 | U | 81.5 | 170 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U | 78.8 | 170 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 170 | U | 84.9 | 170 | ug/Kg |
| 1912-24-9 | Atrazine | 170 | U | 91.3 | 170 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 330 | U | 77.2 | 330 | ug/Kg |
| 85-01-8 | Phenanthrene | 170 | U | 83.9 | 170 | ug/Kg |
| 120-12-7 | Anthracene | 170 | U | 84.3 | 170 | ug/Kg |
| 86-74-8 | Carbazole | 170 | U | 80.2 | 170 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 170 | U | 84.2 | 170 | ug/Kg |
| 206-44-0 | Fluoranthene | 170 | U | 81.6 | 170 | ug/Kg |
| 129-00-0 | Pyrene | 170 | U | 82.9 | 170 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 170 | U | 96.7 | 170 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 330 | U | 98.5 | 330 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 170 | U | 80.6 | 170 | ug/Kg |
| 218-01-9 | Chrysene | 170 | U | 79.4 | 170 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 170 | U | 90.9 | 170 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 330 | U | 110 | 330 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 170 | U | 81.0 | 170 | ug/Kg |

Raw Data: **BF141404.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | |
| Client Sample ID: | PB166360BL | SDG No.: | Q1216 |
| Lab Sample ID: | PB166360BL | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141404.D | 1 | 01/30/25 09:15 | 02/04/25 13:21 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 170 | U | 82.5 | 170 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 170 | U | 92.9 | 170 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 170 | U | 78.0 | 170 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 170 | U | 81.1 | 170 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 170 | U | 80.0 | 170 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 170 | U | 86.7 | 170 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 170 | U | 110 | 170 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 170 | U | 74.7 | 170 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 147 | | 18 - 112 | 98% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 142 | | 15 - 107 | 95% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 101 | | 18 - 107 | 101% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 100.0 | | 20 - 109 | 100% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 158 | | 10 - 116 | 105% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 93.3 | | 10 - 105 | 93% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 87800 | 6.786 | | | |
| 1146-65-2 | Naphthalene-d8 | 356000 | 8.069 | | | |
| 15067-26-2 | Acenaphthene-d10 | 197000 | 9.827 | | | |
| 1517-22-2 | Phenanthrene-d10 | 342000 | 11.316 | | | |
| 1719-03-5 | Chrysene-d12 | 264000 | 13.957 | | | |
| 1520-96-3 | Perylene-d12 | 208000 | 15.409 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |
| 004744-10-9 | Propane, 1,1-dimethoxy- | 170 | J | | 2.16 | ug/Kg |
| 000123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 83.9 | A | | 5.01 | ug/Kg |

Raw Data: **BF141404.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | |
| Client Sample ID: | PB166360BL | SDG No.: | Q1216 |
| Lab Sample ID: | PB166360BL | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141404.D | 1 | 01/30/25 09:15 | 02/04/25 13:21 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141404.D
Acq On : 04 Feb 2025 13:21
Operator : RC/JU
Sample : PB166360BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BL

Quant Time: Feb 04 13:57:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

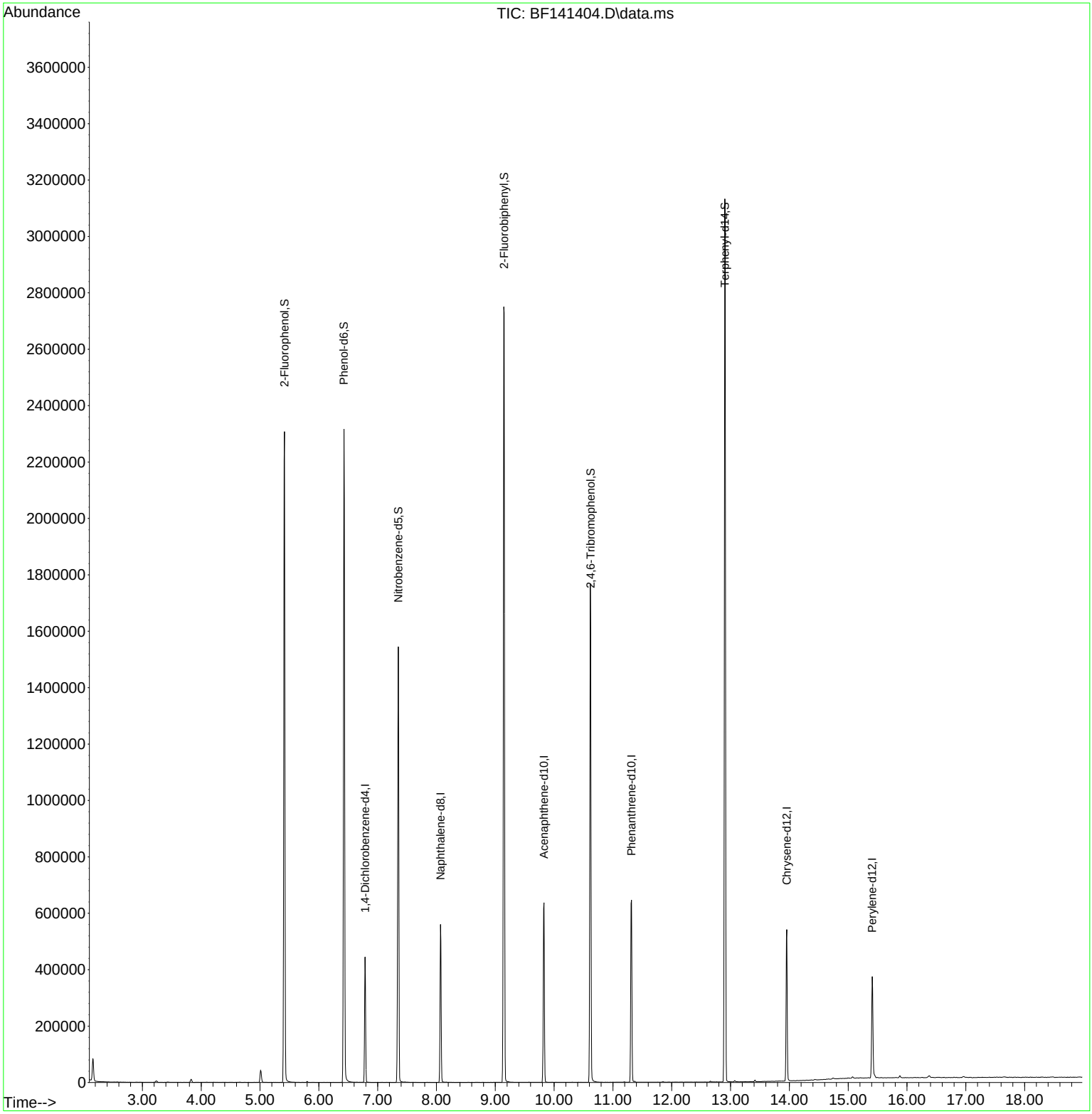
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.786 | 152 | 87808 | 20.000 | ng | -0.02 |
| 21) Naphthalene-d8 | 8.069 | 136 | 356027 | 20.000 | ng | -0.02 |
| 39) Acenaphthene-d10 | 9.827 | 164 | 197186 | 20.000 | ng | -0.01 |
| 64) Phenanthrene-d10 | 11.316 | 188 | 341529 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 13.957 | 240 | 264448 | 20.000 | ng | -0.02 |
| 86) Perylene-d12 | 15.409 | 264 | 208461 | 20.000 | ng | -0.03 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.416 | 112 | 841178 | 147.068 | ng | 0.00 |
| 7) Phenol-d6 | 6.428 | 99 | 1034463 | 142.172 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.351 | 82 | 684826 | 101.401 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.622 | 330 | 285932 | 158.171 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 9.151 | 172 | 1280476 | 99.951 | ng | -0.01 |
| 79) Terphenyl-d14 | 12.904 | 244 | 1599284 | 93.266 | ng | -0.01 |
| Target Compounds | | | | | | Qvalue |

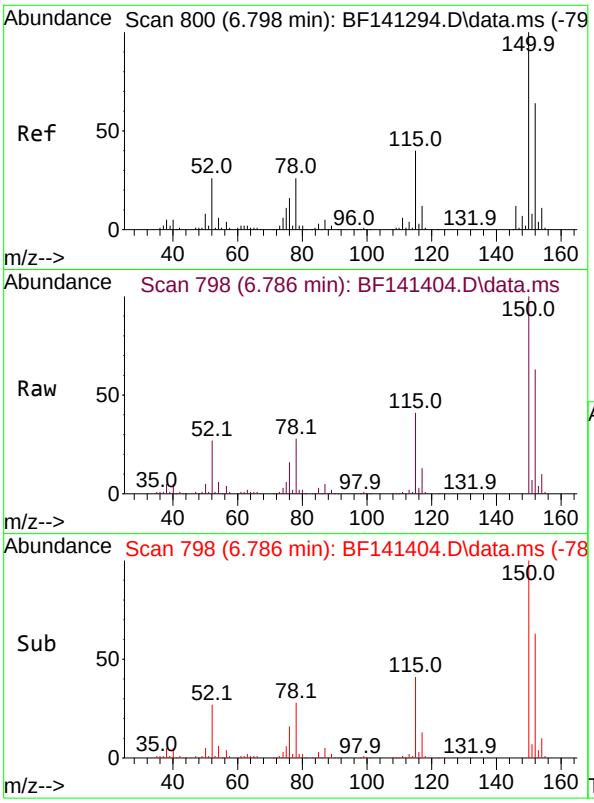
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141404.D
Acq On : 04 Feb 2025 13:21
Operator : RC/JU
Sample : PB166360BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BL

Quant Time: Feb 04 13:57:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



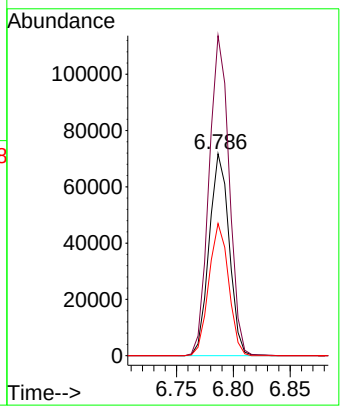


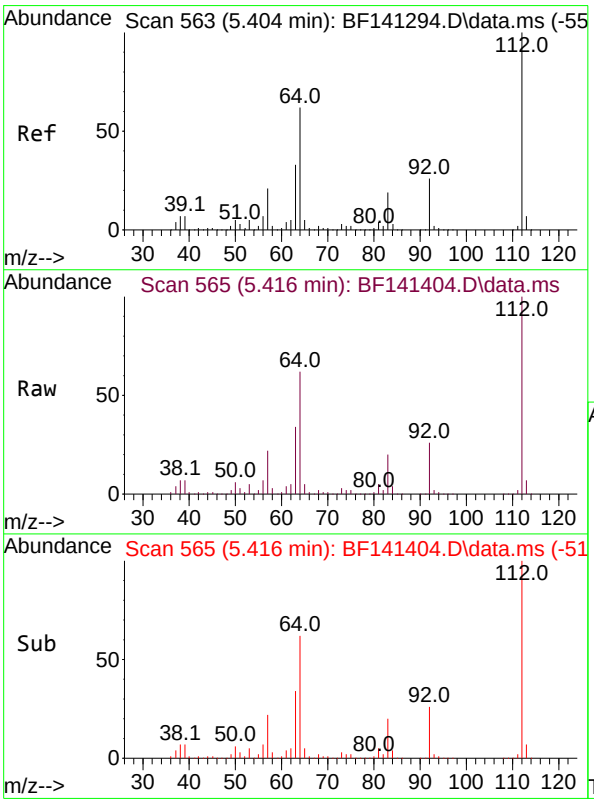

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BL

Tgt Ion:152 Resp: 87808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.5 | 125.9 | 188.9 |
| 115 | 65.5 | 49.7 | 74.5 |

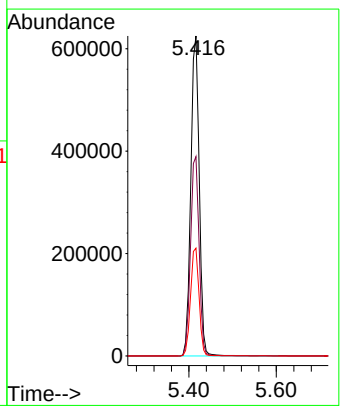


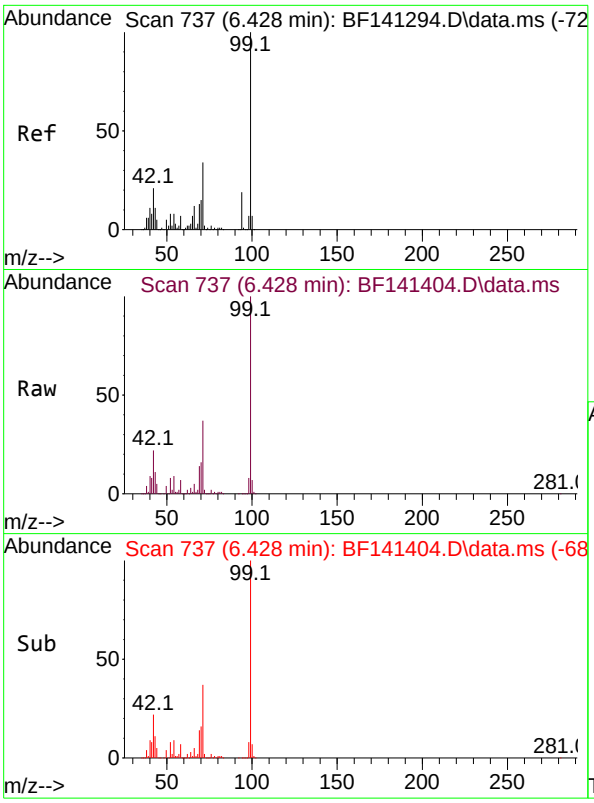




#5
2-Fluorophenol
Concen: 147.068 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

Tgt Ion:112 Resp: 841178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.3 | 49.8 | 74.8 |
| 63 | 33.7 | 26.1 | 39.1 |



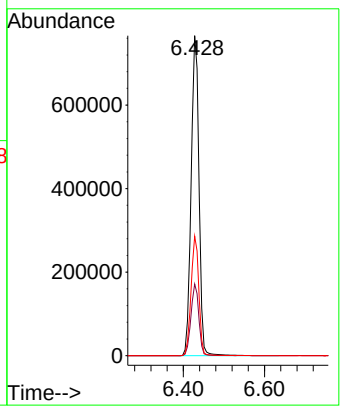


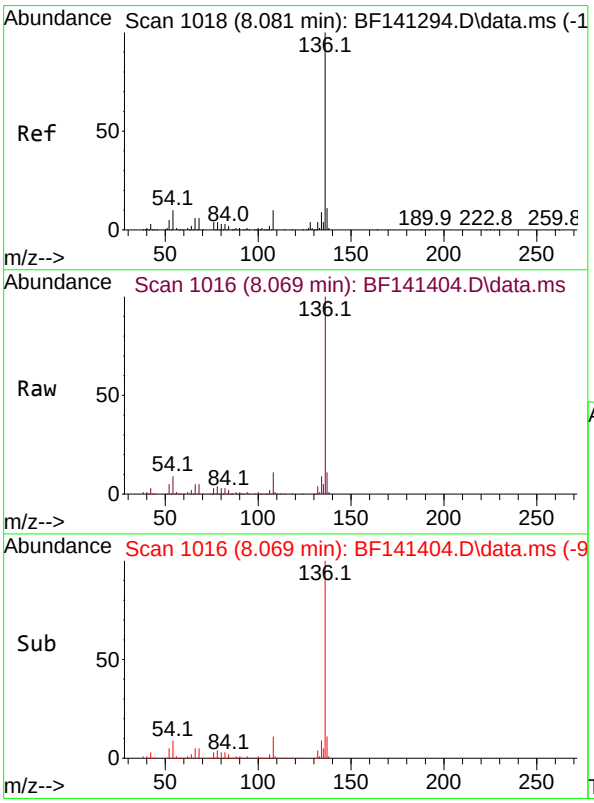

#7
Phenol-d6
Concen: 142.172 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BL

Tgt Ion: 99 Resp: 1034463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.4 | 17.1 | 25.7 |
| 71 | 37.3 | 26.9 | 40.3 |

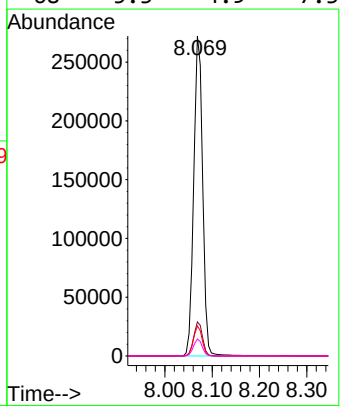


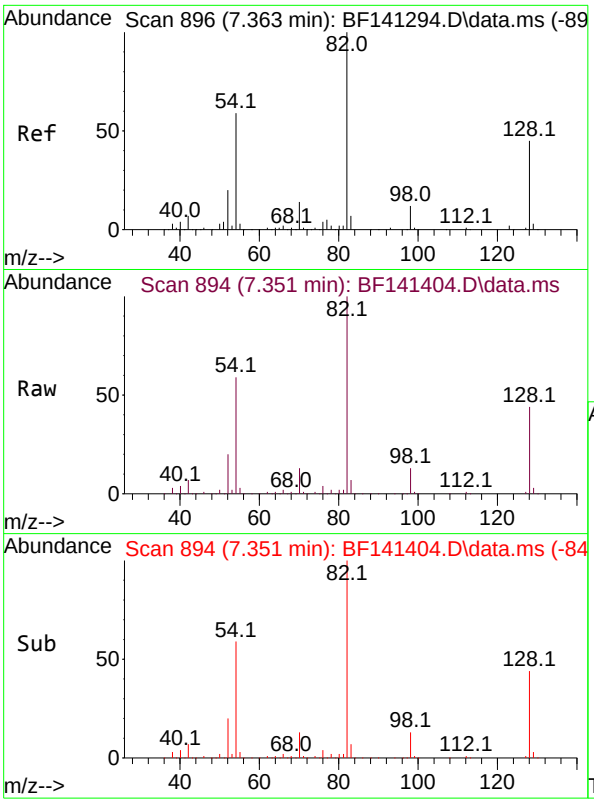




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

Tgt Ion:136 Resp: 356027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.6 | 13.0 |
| 54 | 9.4 | 7.8 | 11.8 |
| 68 | 5.3 | 4.9 | 7.3 |



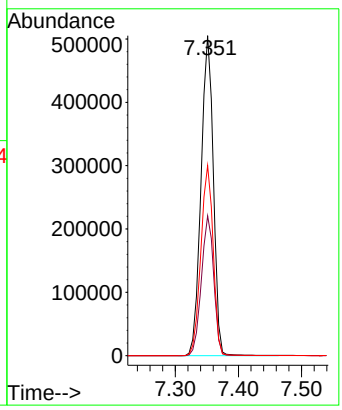


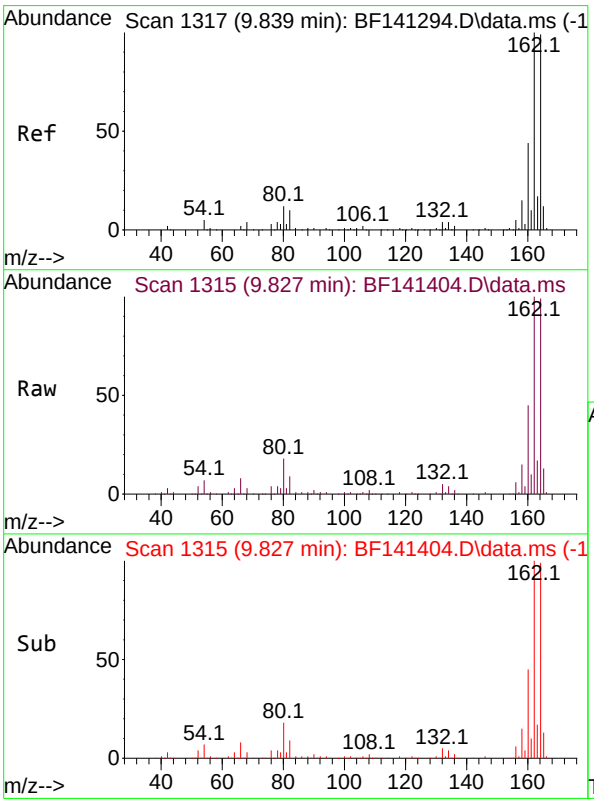

#23
Nitrobenzene-d5
Concen: 101.401 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BL

Tgt Ion: 82 Resp: 684826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.7 | 35.7 | 53.5 |
| 54 | 59.4 | 47.1 | 70.7 |

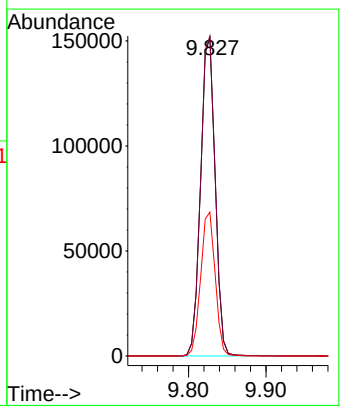


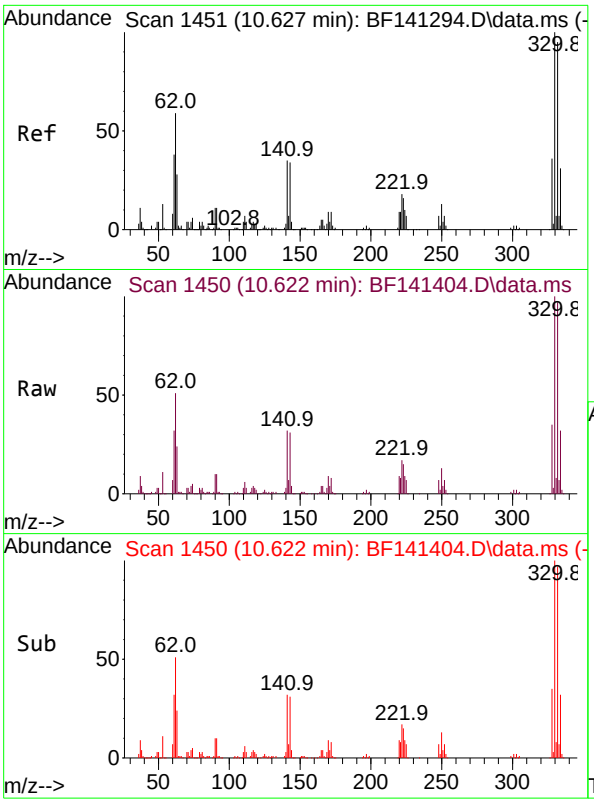




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

Tgt Ion:164 Resp: 197186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.8 | 80.6 | 121.0 |
| 160 | 45.3 | 35.8 | 53.6 |



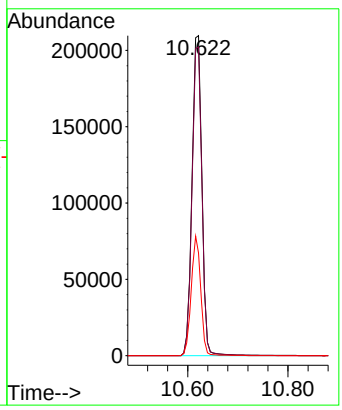


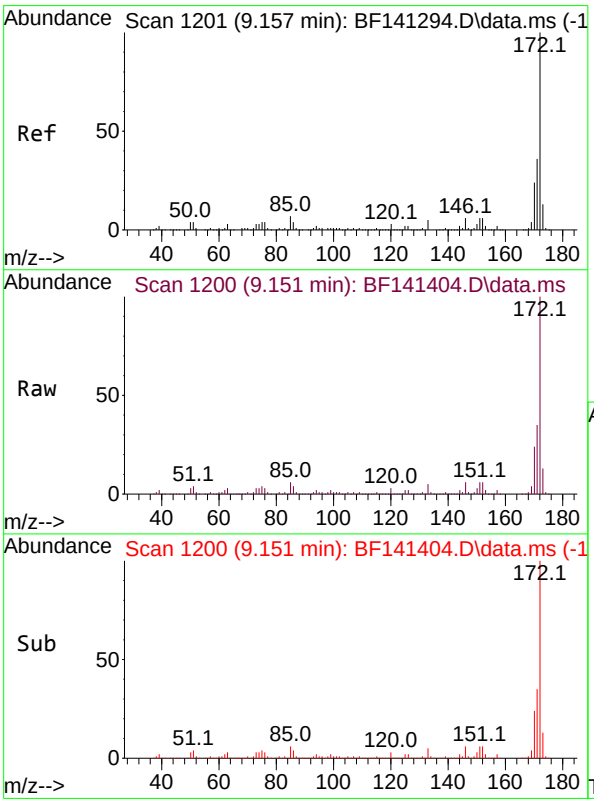

#42
2,4,6-Tribromophenol
Concen: 158.171 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BL

Tgt Ion:330 Resp: 285932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 76.1 | 114.1 |
| 141 | 36.0 | 28.8 | 43.2 |

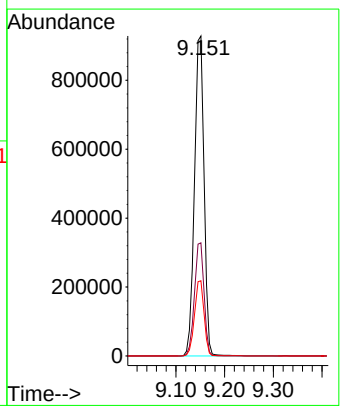


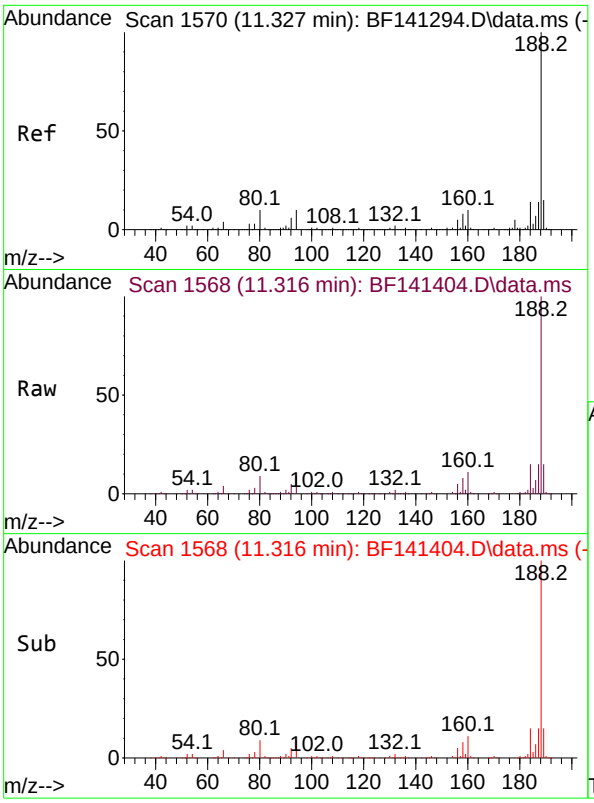




#45
2-Fluorobiphenyl
Concen: 99.951 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

Tgt Ion:172 Resp: 1280476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.8 | 43.2 |
| 170 | 23.5 | 19.0 | 28.6 |



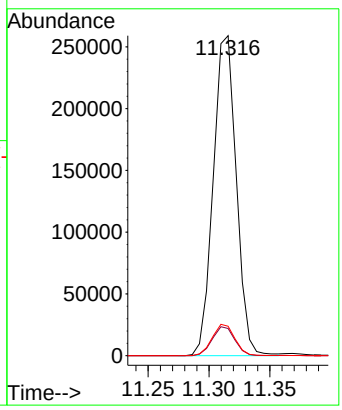


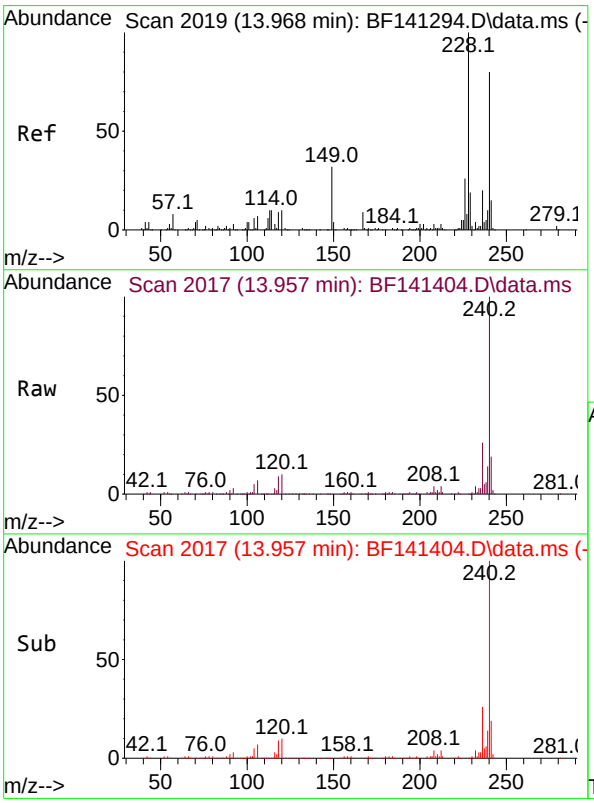

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BL

Tgt Ion:188 Resp: 341529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 7.8 | 11.6 |
| 80 | 9.2 | 8.2 | 12.4 |

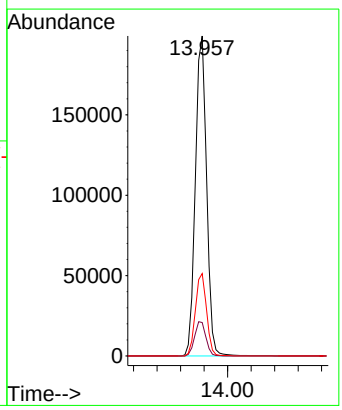


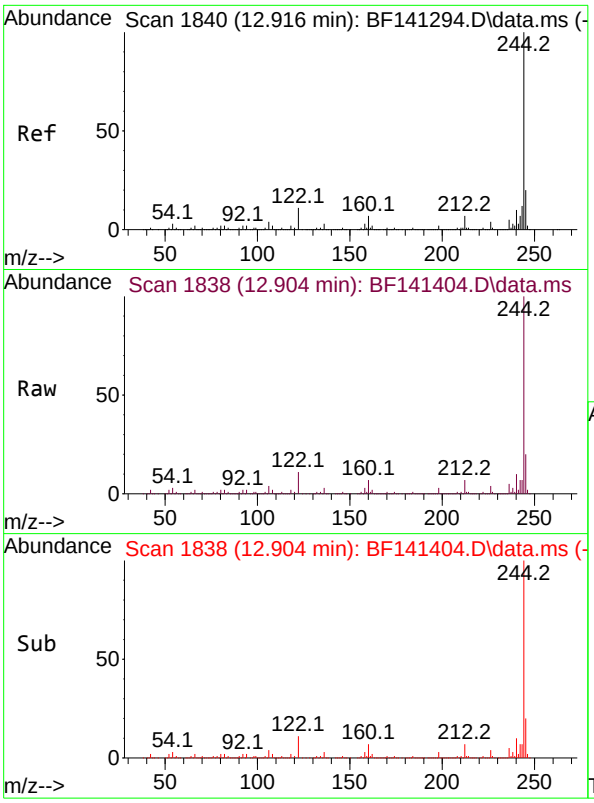




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

Tgt Ion:240 Resp: 264448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.4 | 10.0 | 15.0 |
| 236 | 25.7 | 19.7 | 29.5 |



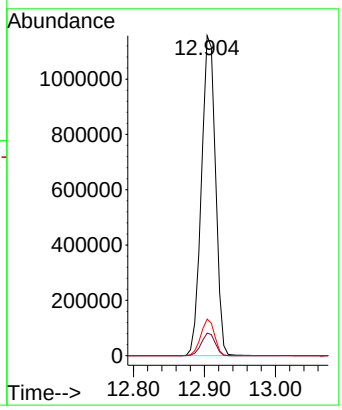


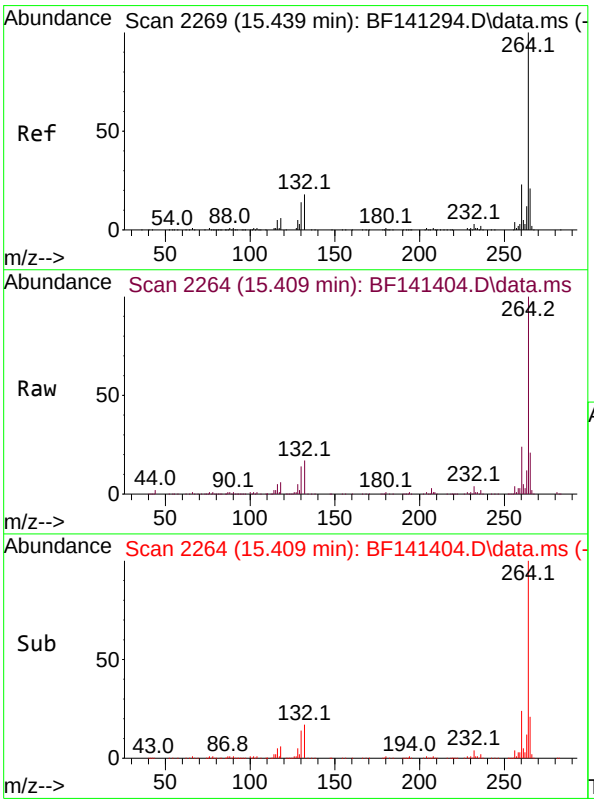

#79
Terphenyl-d14
Concen: 93.266 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BL

Tgt Ion:244 Resp: 1599284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.4 | 8.0 |
| 122 | 11.5 | 8.8 | 13.2 |

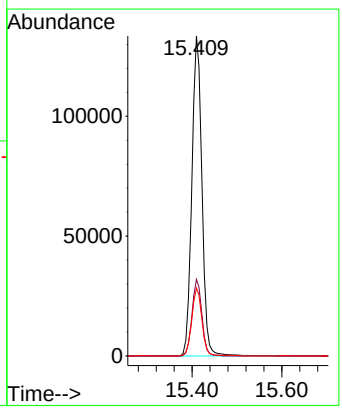



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2264
Delta R.T. -0.030 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

Tgt Ion:264 Resp: 208461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 18.6 | 27.8 |
| 265 | 21.2 | 16.7 | 25.1 |



Sample Results: **BF141404.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141404.D
Acq On : 04 Feb 2025 13:21
Operator : RC/JU
Sample : PB166360BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141404.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.157 | 6 | 11 | 27 | rVB | 81029 | 139283 | 3.26% | 0.602% |
| 2 | 5.010 | 490 | 496 | 505 | rBV | 42297 | 67961 | 1.59% | 0.294% |
| 3 | 5.416 | 559 | 565 | 589 | rBV | 2307688 | 3124590 | 73.24% | 13.501% |
| 4 | 6.428 | 731 | 737 | 769 | rBV | 2316247 | 3134214 | 73.46% | 13.543% |
| 5 | 6.786 | 793 | 798 | 803 | rBV | 444350 | 539548 | 12.65% | 2.331% |
| 6 | 7.351 | 887 | 894 | 899 | rBV | 1544844 | 2085667 | 48.88% | 9.012% |
| 7 | 8.069 | 1011 | 1016 | 1028 | rBV | 559876 | 720864 | 16.90% | 3.115% |
| 8 | 9.145 | 1193 | 1199 | 1205 | rBV | 2749867 | 3768059 | 88.32% | 16.282% |
| 9 | 9.827 | 1309 | 1315 | 1326 | rBV | 637153 | 832716 | 19.52% | 3.598% |
| 10 | 10.616 | 1443 | 1449 | 1469 | rBV | 1768273 | 2343008 | 54.92% | 10.124% |
| 11 | 11.316 | 1562 | 1568 | 1575 | rBV | 645228 | 849027 | 19.90% | 3.669% |
| 12 | 12.904 | 1832 | 1838 | 1844 | rBV | 3131349 | 4266491 | 100.00% | 18.435% |
| 13 | 13.957 | 2011 | 2017 | 2026 | rBV | 536791 | 710417 | 16.65% | 3.070% |
| 14 | 15.409 | 2258 | 2264 | 2275 | rBV | 359543 | 561348 | 13.16% | 2.426% |

Sum of corrected areas: 23143193

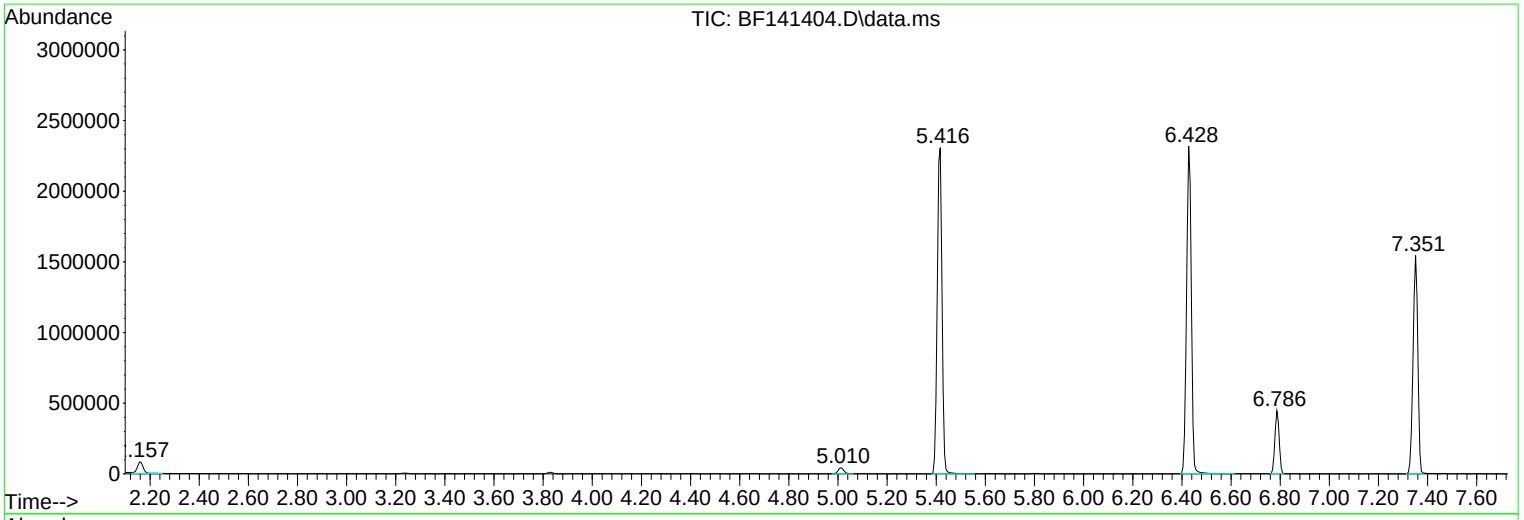
Sample Results: **BF141404.D**

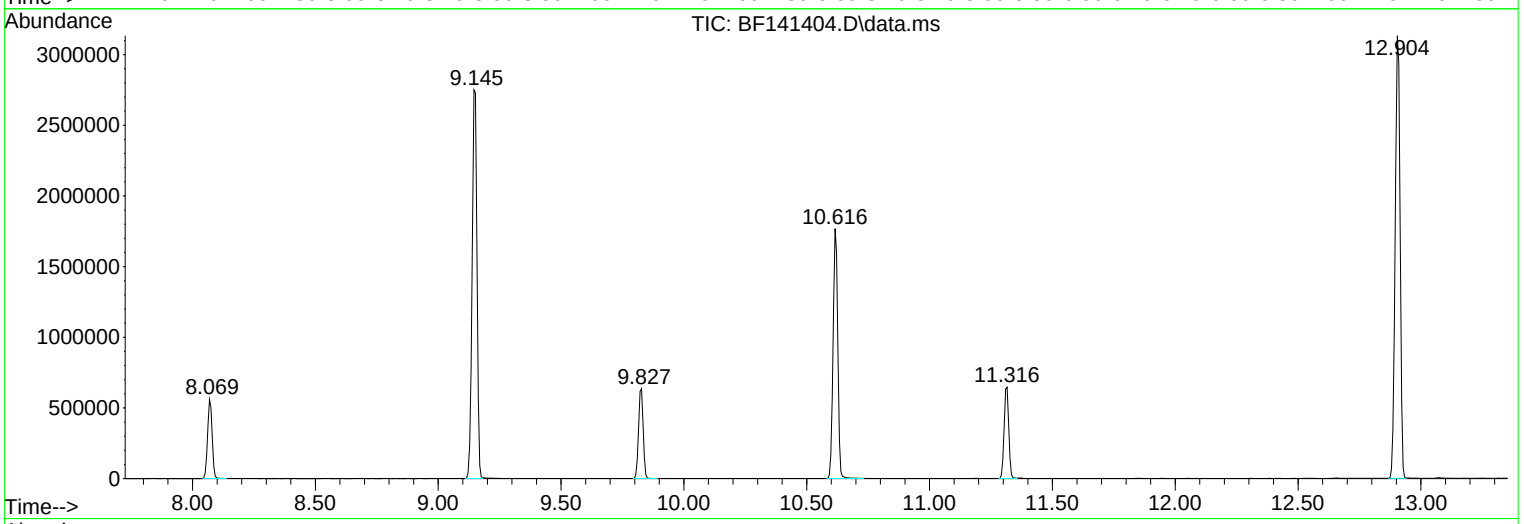
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141404.D
Acq On : 04 Feb 2025 13:21
Operator : RC/JU
Sample : PB166360BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

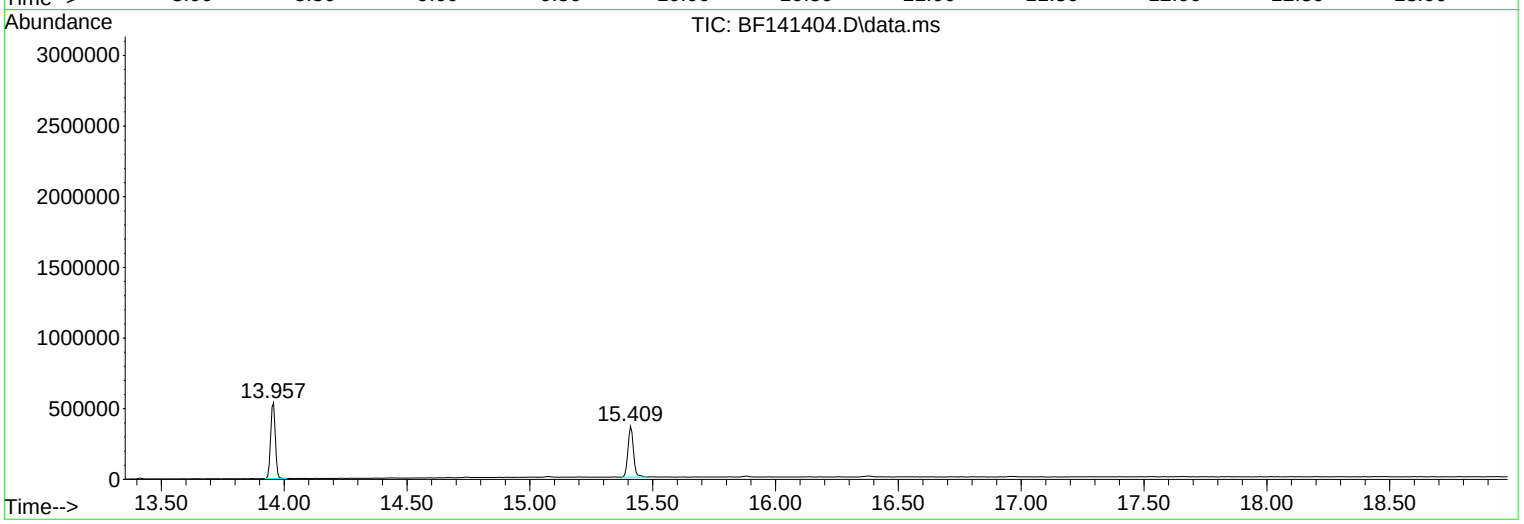
**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141404.D
Acq On : 04 Feb 2025 13:21
Operator : RC/JU
Sample : PB166360BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

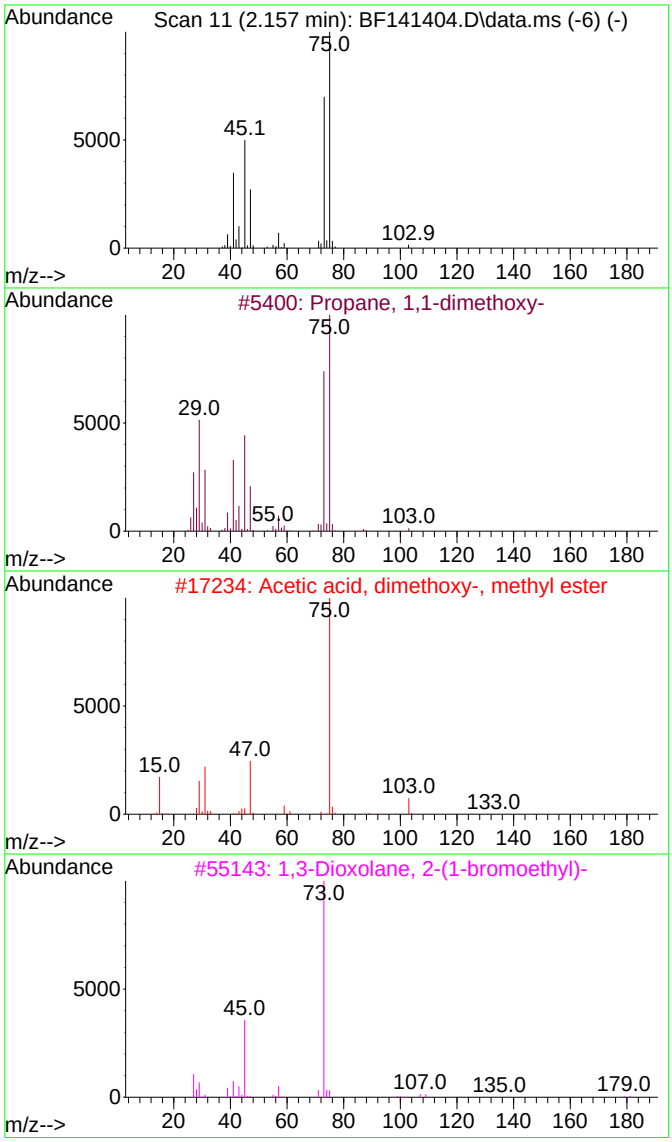
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

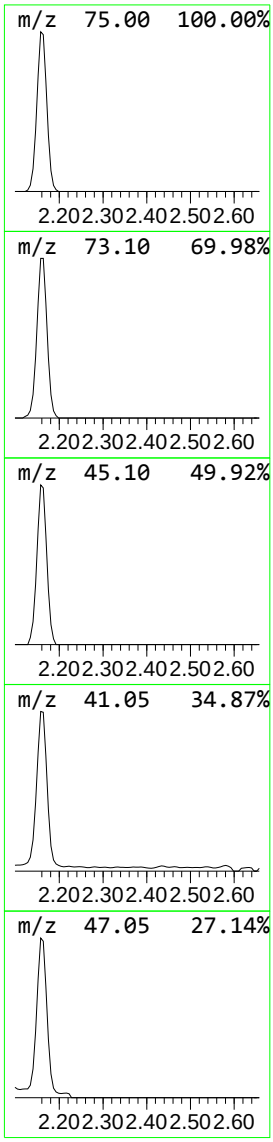
**********

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.157 | 5.16 ng | 139283 | 1,4-Dichlorobenzene-d4 | 6.786 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 1,1-dimethoxy- | 104 | C5H12O2 | 004744-10-9 | 83 |
| 2 | Acetic acid, dimethoxy-, methyl ... | 134 | C5H10O4 | 000089-91-8 | 40 |
| 3 | 1,3-Dioxolane, 2-(1-bromoethyl)- | 180 | C5H9BrO2 | 005267-73-2 | 22 |
| 4 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 12 |
| 5 | Thiocyanic acid, methyl ester | 73 | C2H3NS | 000556-64-9 | 9 |



Sample Results: **BF141404.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141404.D
Acq On : 04 Feb 2025 13:21
Operator : RC/JU
Sample : PB166360BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BL

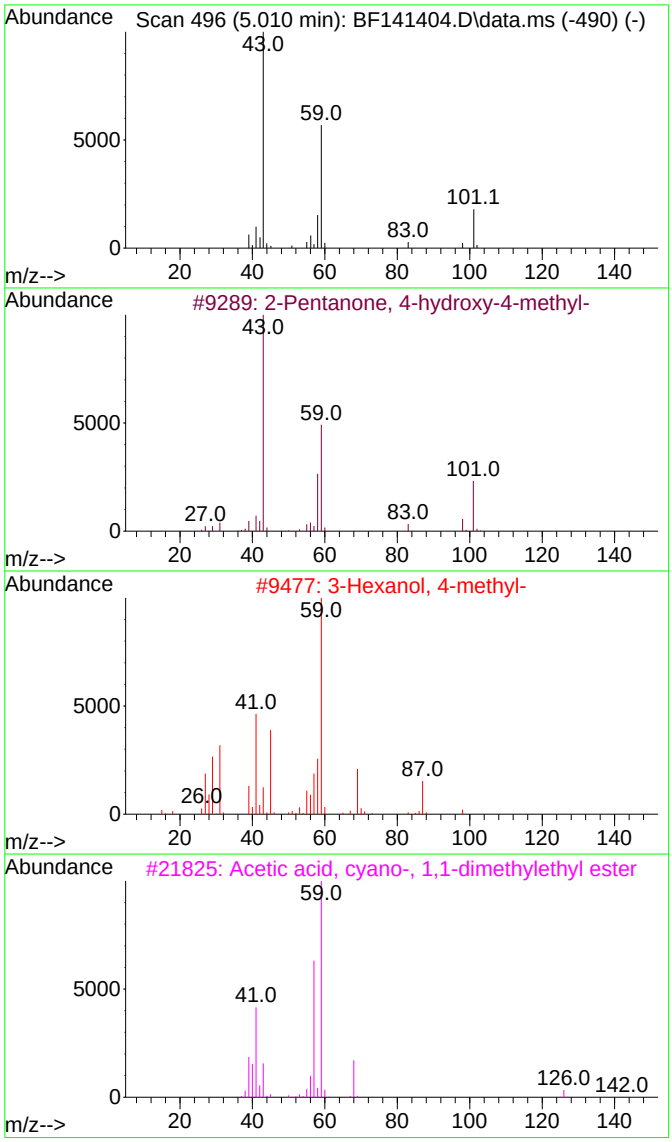
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

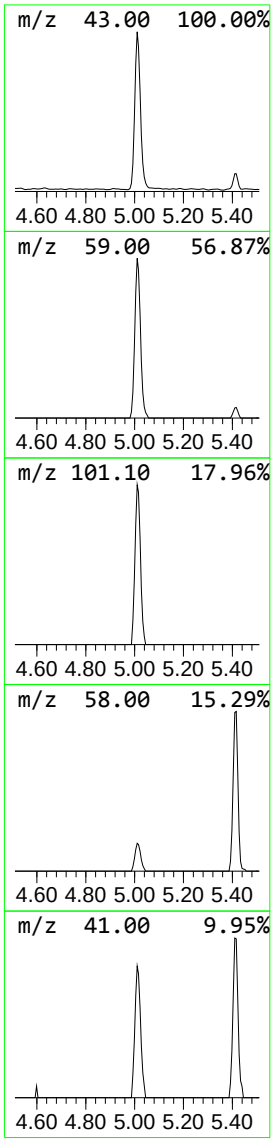
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.010 | 2.52 ng | 67961 | 1,4-Dichlorobenzene-d4 | 6.786 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 33 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |
| 4 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |



Sample Results: **BF141404.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141404.D
Acq On : 04 Feb 2025 13:21
Operator : RC/JU
Sample : PB166360BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Propane, 1,1-di... | 2.157 | 5.2 | ng | 139283 | 1 | 6.786 | 539548 | 20.0 |
| 2-Pentanone, 4-... | 5.010 | 2.5 | ng | 67961 | 1 | 6.786 | 539548 | 20.0 |

Raw Data: **BF141405.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | |
| Client Sample ID: | PB166360BS | SDG No.: | Q1216 |
| Lab Sample ID: | PB166360BS | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 100 |
| Sample Wt/Vol: | 30.01 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141405.D | 1 | 01/30/25 09:15 | 02/04/25 13:47 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 1600 | | 180 | 330 | ug/Kg |
| 108-95-2 | Phenol | 1300 | | 82.9 | 170 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 1300 | | 83.7 | 170 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 1400 | | 83.5 | 170 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 1400 | | 80.6 | 170 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 1300 | | 90.9 | 170 | ug/Kg |
| 98-86-2 | Acetophenone | 1600 | | 86.9 | 170 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 1400 | | 79.8 | 330 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1400 | | 40.3 | 80.0 | ug/Kg |
| 67-72-1 | Hexachloroethane | 1400 | | 83.0 | 170 | ug/Kg |
| 98-95-3 | Nitrobenzene | 1300 | | 90.8 | 170 | ug/Kg |
| 78-59-1 | Isophorone | 1400 | | 84.6 | 170 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 1400 | | 94.5 | 170 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 1700 | | 93.2 | 170 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1300 | | 85.8 | 170 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 1400 | | 75.5 | 170 | ug/Kg |
| 91-20-3 | Naphthalene | 1400 | | 82.6 | 170 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 610 | | 82.6 | 170 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 1400 | | 83.3 | 170 | ug/Kg |
| 105-60-2 | Caprolactam | 1500 | | 86.8 | 330 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 1500 | | 77.5 | 170 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 1300 | | 82.5 | 170 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 6300 | E | 160 | 330 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 1500 | | 71.4 | 170 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 1400 | | 74.0 | 170 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 1600 | | 87.4 | 170 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 1400 | | 83.3 | 170 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 1500 | | 95.0 | 170 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 1400 | | 81.7 | 170 | ug/Kg |

Raw Data: **BF141405.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | |
| Client Sample ID: | PB166360BS | SDG No.: | Q1216 |
| Lab Sample ID: | PB166360BS | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 100 |
| Sample Wt/Vol: | 30.01 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141405.D | 1 | 01/30/25 09:15 | 02/04/25 13:47 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 1500 | | 86.5 | 170 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 1400 | | 83.2 | 170 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 770 | | 89.2 | 170 | ug/Kg |
| 83-32-9 | Acenaphthene | 1600 | | 81.1 | 170 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 3700 | E | 240 | 330 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 3300 | E | 120 | 330 | ug/Kg |
| 132-64-9 | Dibenzofuran | 1400 | | 84.4 | 170 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 1500 | | 86.2 | 170 | ug/Kg |
| 84-66-2 | Diethylphthalate | 1400 | | 80.1 | 170 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1400 | | 85.6 | 170 | ug/Kg |
| 86-73-7 | Fluorene | 1500 | | 85.5 | 170 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 1400 | | 110 | 170 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1700 | | 120 | 330 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 1500 | | 81.6 | 170 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 1400 | | 78.9 | 170 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 1400 | | 85.0 | 170 | ug/Kg |
| 1912-24-9 | Atrazine | 1700 | | 91.4 | 170 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 3200 | E | 77.3 | 330 | ug/Kg |
| 85-01-8 | Phenanthrene | 1500 | | 84.0 | 170 | ug/Kg |
| 120-12-7 | Anthracene | 1600 | | 84.4 | 170 | ug/Kg |
| 86-74-8 | Carbazole | 1500 | | 80.3 | 170 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 1500 | | 84.3 | 170 | ug/Kg |
| 206-44-0 | Fluoranthene | 1600 | | 81.7 | 170 | ug/Kg |
| 129-00-0 | Pyrene | 1200 | | 83.0 | 170 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 1400 | | 96.8 | 170 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 690 | | 98.6 | 330 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 1300 | | 80.7 | 170 | ug/Kg |
| 218-01-9 | Chrysene | 1400 | | 79.5 | 170 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 1500 | | 91.0 | 170 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 1500 | | 110 | 330 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 1500 | | 81.1 | 170 | ug/Kg |

Raw Data: **BF141405.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | |
| Client Sample ID: | PB166360BS | SDG No.: | Q1216 |
| Lab Sample ID: | PB166360BS | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 100 |
| Sample Wt/Vol: | 30.01 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141405.D | 1 | 01/30/25 09:15 | 02/04/25 13:47 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 1500 | | 82.6 | 170 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 1600 | | 93.0 | 170 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1400 | | 78.1 | 170 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 1400 | | 81.2 | 170 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 1300 | | 80.1 | 170 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 1600 | | 86.8 | 170 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 1300 | | 110 | 170 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 1600 | | 74.7 | 170 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 134 | | 18 - 112 | 89% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 128 | | 15 - 107 | 85% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 92.7 | | 18 - 107 | 93% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 94.8 | | 20 - 109 | 95% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 154 | | 10 - 116 | 103% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 85.1 | | 10 - 105 | 85% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 88400 | 6.787 | | | |
| 1146-65-2 | Naphthalene-d8 | 354000 | 8.075 | | | |
| 15067-26-2 | Acenaphthene-d10 | 192000 | 9.828 | | | |
| 1517-22-2 | Phenanthrene-d10 | 332000 | 11.316 | | | |
| 1719-03-5 | Chrysene-d12 | 257000 | 13.963 | | | |
| 1520-96-3 | Perylene-d12 | 211000 | 15.421 | | | |

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141405.D
Acq On : 04 Feb 2025 13:47
Operator : RC/JU
Sample : PB166360BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Quant Time: Feb 04 14:17:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.787 | 152 | 88432 | 20.000 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.075 | 136 | 354444 | 20.000 | ng | | #-0.01 |
| 39) Acenaphthene-d10 | 9.828 | 164 | 192238 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.316 | 188 | 331523 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 13.963 | 240 | 256577 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 15.421 | 264 | 210910 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.416 | 112 | 769318 | 133.556 | ng | | 0.00 |
| 7) Phenol-d6 | 6.434 | 99 | 936922 | 127.858 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.357 | 82 | 623241 | 92.695 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.622 | 330 | 271316 | 153.949 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.151 | 172 | 1183823 | 94.785 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.904 | 244 | 1416066 | 85.114 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.546 | 88 | 99205 | 39.160 | ng | | 99 |
| 3) Pyridine | 3.275 | 79 | 223408 | 36.601 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.216 | 42 | 151052 | 43.320 | ng | | 90 |
| 6) Aniline | 6.451 | 93 | 235017 | 37.888 | ng | # | 22 |
| 8) 2-Chlorophenol | 6.581 | 128 | 264577 | 42.853 | ng | | 96 |
| 9) Benzaldehyde | 6.340 | 77 | 205545 | 48.426 | ng | | 98 |
| 10) Phenol | 6.446 | 94 | 311602 | 40.114 | ng | # | 65 |
| 11) bis(2-Chloroethyl)ether | 6.528 | 93 | 239698 | 40.245 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.728 | 146 | 274342 | 40.300 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.804 | 146 | 276285 | 40.400 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.957 | 146 | 266079 | 41.550 | ng | | 99 |
| 15) Benzyl Alcohol | 6.934 | 79 | 230635 | 46.055 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063 | 45 | 403685 | 38.977 | ng | | 55 |
| 17) 2-Methylphenol | 7.057 | 107 | 204968 | 40.848 | ng | # | 89 |
| 18) Hexachloroethane | 7.298 | 117 | 104293 | 41.339 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.204 | 70 | 182475 | 41.908 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.204 | 107 | 263250 | 42.728 | ng | | 91 |
| 22) Acetophenone | 7.198 | 105 | 403906 | 47.941 | ng | # | 97 |
| 24) Nitrobenzene | 7.375 | 77 | 280239 | 40.220 | ng | | 100 |
| 25) Isophorone | 7.610 | 82 | 496476 | 42.717 | ng | | 99 |
| 26) 2-Nitrophenol | 7.687 | 139 | 137753 | 41.920 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.734 | 122 | 218249m | 52.180 | ng | | |
| 28) bis(2-Chloroethoxy)met... | 7.822 | 93 | 296047 | 39.933 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.940 | 162 | 219155 | 42.800 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.016 | 180 | 235183 | 40.218 | ng | | 100 |
| 31) Naphthalene | 8.092 | 128 | 760572 | 40.619 | ng | | 100 |
| 32) Benzoic acid | 7.857 | 122 | 180009 | 46.816 | ng | | 97 |
| 33) 4-Chloroaniline | 8.145 | 127 | 115619 | 18.209 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.210 | 225 | 146819 | 42.813 | ng | | 99 |
| 35) Caprolactam | 8.510 | 113 | 76562m | 45.783 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.640 | 107 | 240374 | 43.764 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.787 | 142 | 481699 | 40.476 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.887 | 142 | 466741 | 39.925 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.951 | 216 | 256112 | 46.830 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.939 | 237 | 304265 | 188.383 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.069 | 196 | 157506 | 44.001 | ng | | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141405.D
Acq On : 04 Feb 2025 13:47
Operator : RC/JU
Sample : PB166360BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Quant Time: Feb 04 14:17:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

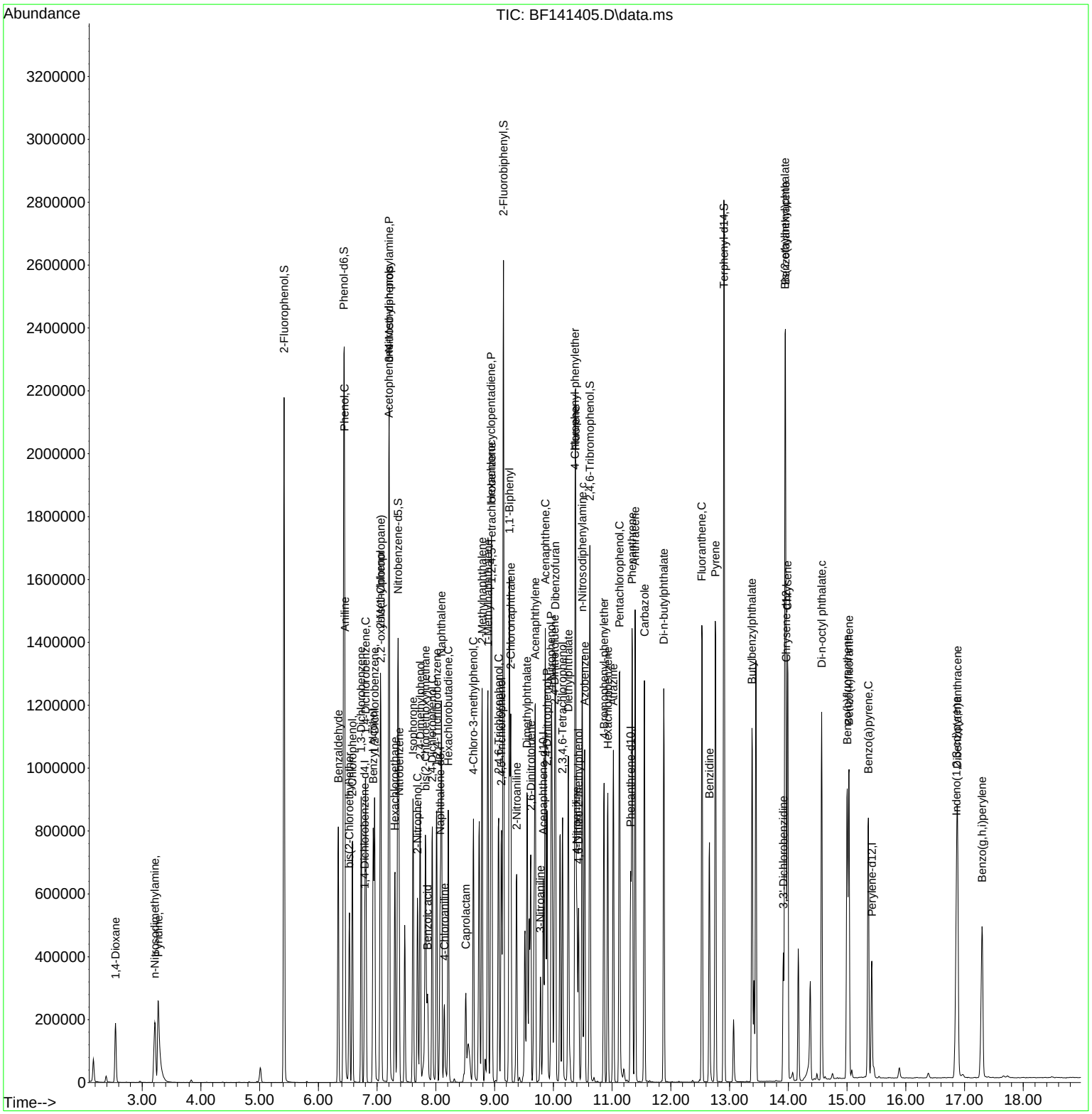
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.116 | 196 | 166270 | 42.677 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.251 | 154 | 697536 | 46.526 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.275 | 162 | 474573 | 40.612 | ng | 99 |
| 48) 2-Nitroaniline | 9.375 | 65 | 160837 | 43.758 | ng | 97 |
| 49) Acenaphthylene | 9.692 | 152 | 742670 | 45.402 | ng | 100 |
| 50) Dimethylphthalate | 9.551 | 163 | 559047 | 43.058 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.616 | 165 | 122811 | 40.738 | ng | 98 |
| 52) Acenaphthene | 9.863 | 154 | 562051m | 48.096 | ng | |
| 53) 3-Nitroaniline | 9.781 | 138 | 68407 | 23.152 | ng | 94 |
| 54) 2,4-Dinitrophenol | 9.892 | 184 | 154202 | 110.036 | ng | 92 |
| 55) Dibenzofuran | 10.034 | 168 | 670888 | 42.889 | ng | 97 |
| 56) 4-Nitrophenol | 9.963 | 139 | 216899 | 100.375 | ng | 91 |
| 57) 2,4-Dinitrotoluene | 10.022 | 165 | 172043 | 44.078 | ng | 94 |
| 58) Fluorene | 10.381 | 166 | 529308 | 43.624 | ng | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232 | 144118 | 47.020 | ng | 98 |
| 60) Diethylphthalate | 10.257 | 149 | 546694 | 43.426 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.369 | 204 | 253263 | 42.731 | ng | 96 |
| 62) 4-Nitroaniline | 10.398 | 138 | 125138 | 43.079 | ng | 90 |
| 63) Azobenzene | 10.533 | 77 | 534762 | 42.436 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.428 | 198 | 99101 | 50.537 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 10.492 | 169 | 467566 | 43.605 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248 | 160678 | 43.292 | ng | 98 |
| 68) Hexachlorobenzene | 10.928 | 284 | 171129 | 43.467 | ng | 98 |
| 69) Atrazine | 11.022 | 200 | 183809 | 51.270 | ng | 99 |
| 70) Pentachlorophenol | 11.128 | 266 | 221801 | 96.208 | ng | 99 |
| 71) Phenanthrene | 11.339 | 178 | 802178 | 45.014 | ng | 100 |
| 72) Anthracene | 11.392 | 178 | 822918 | 47.129 | ng | 100 |
| 73) Carbazole | 11.551 | 167 | 716227 | 46.259 | ng | 99 |
| 74) Di-n-butylphthalate | 11.880 | 149 | 862780 | 45.981 | ng | 99 |
| 75) Fluoranthene | 12.527 | 202 | 863695 | 49.085 | ng | 98 |
| 77) Benzidine | 12.657 | 184 | 410980 | 49.964 | ng | 99 |
| 78) Pyrene | 12.757 | 202 | 881155 | 35.777 | ng | 100 |
| 80) Butylbenzylphthalate | 13.380 | 149 | 360119 | 41.853 | ng | 98 |
| 81) Benzo(a)anthracene | 13.951 | 228 | 716906 | 40.491 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.916 | 252 | 115963 | 20.593 | ng | 99 |
| 83) Chrysene | 13.986 | 228 | 689060 | 42.465 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149 | 480602 | 44.032 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.569 | 149 | 750526 | 44.271 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.863 | 276 | 575069 | 42.245 | ng | 96 |
| 88) Benzo(b)fluoranthene | 15.004 | 252 | 598008 | 45.076 | ng | 98 |
| 89) Benzo(k)fluoranthene | 15.033 | 252 | 545420 | 46.408 | ng | 99 |
| 90) Benzo(a)pyrene | 15.363 | 252 | 528708 | 47.160 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 16.880 | 278 | 463193 | 42.293 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.298 | 276 | 436604 | 38.340 | ng | 96 |

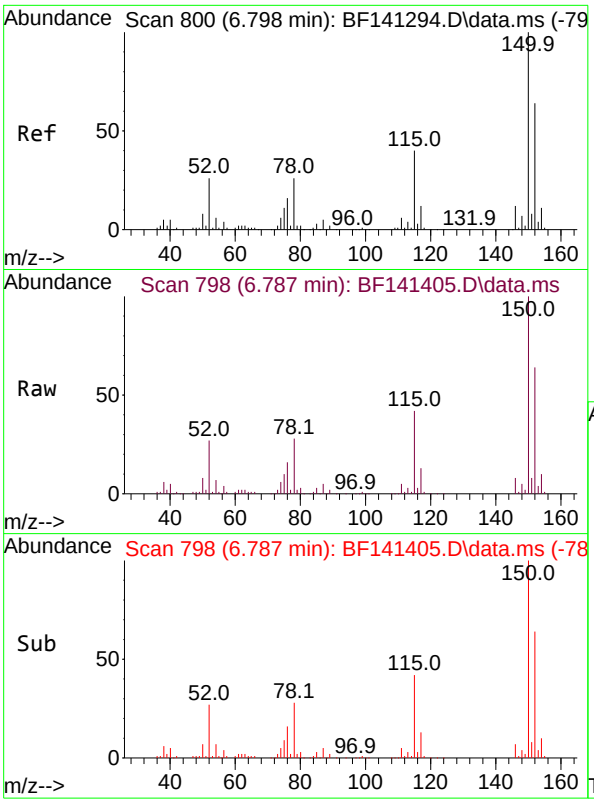
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141405.D
Acq On : 04 Feb 2025 13:47
Operator : RC/JU
Sample : PB166360BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Quant Time: Feb 04 14:17:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



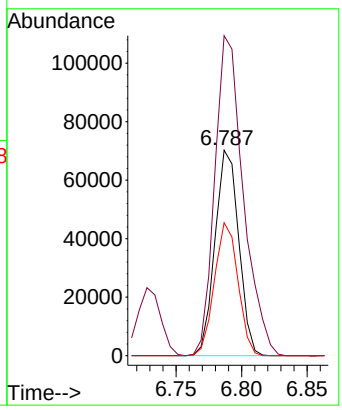


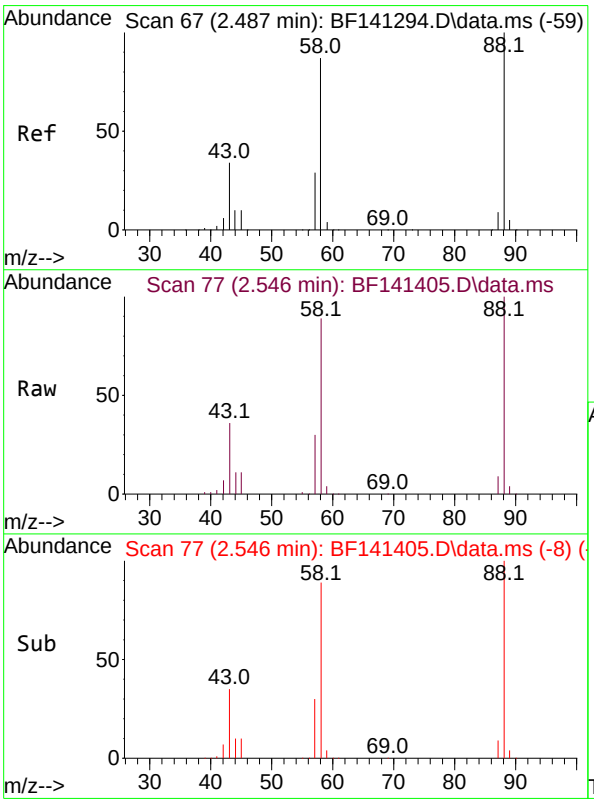

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:152 Resp: 88432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.8 | 125.9 | 188.9 |
| 115 | 64.7 | 49.7 | 74.5 |

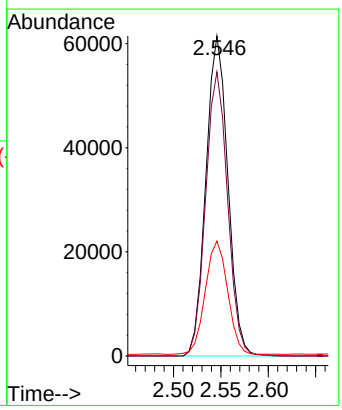


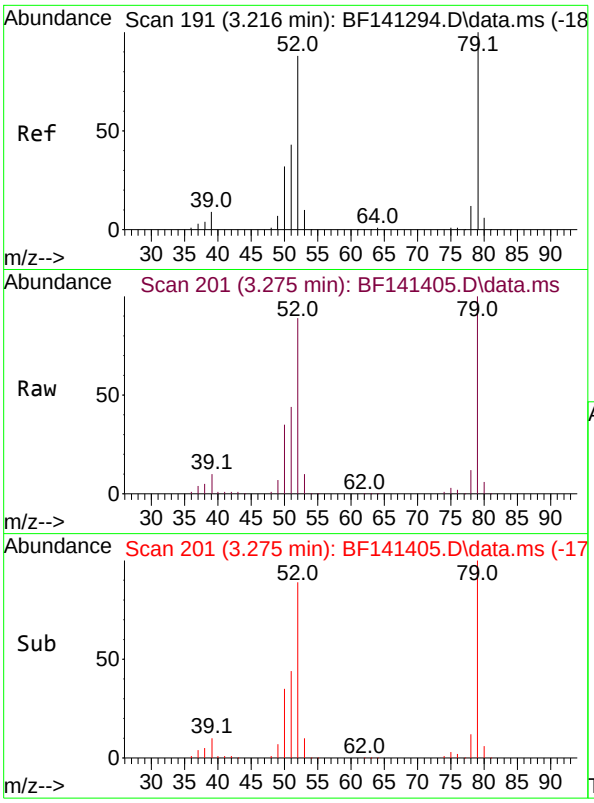




#2
1,4-Dioxane
Concen: 39.160 ng
RT: 2.546 min Scan# 77
Delta R.T. 0.053 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion: 88 Resp: 99205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 88.6 | 70.2 | 105.4 |
| 43 | 36.0 | 27.6 | 41.4 |



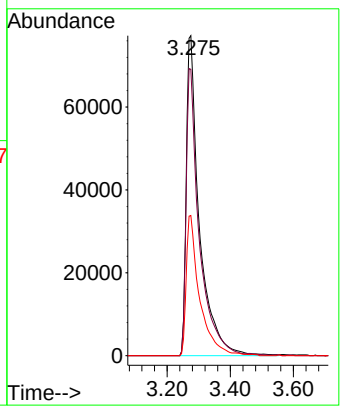


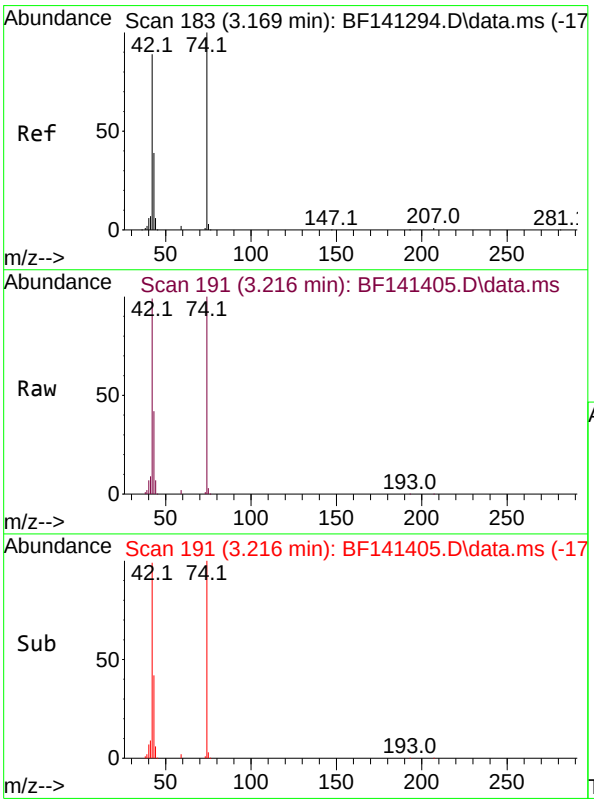

#3
Pyridine
Concen: 36.601 ng
RT: 3.275 min Scan# 2
Delta R.T. 0.047 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion: 79 Resp: 223408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 89.5 | 70.3 | 105.5 |
| 51 | 43.8 | 34.3 | 51.5 |

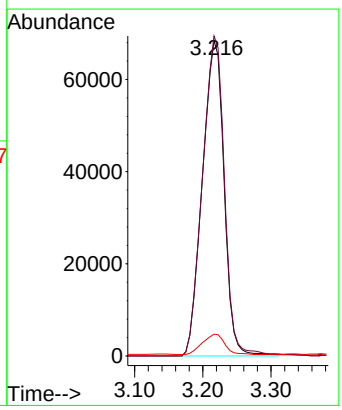


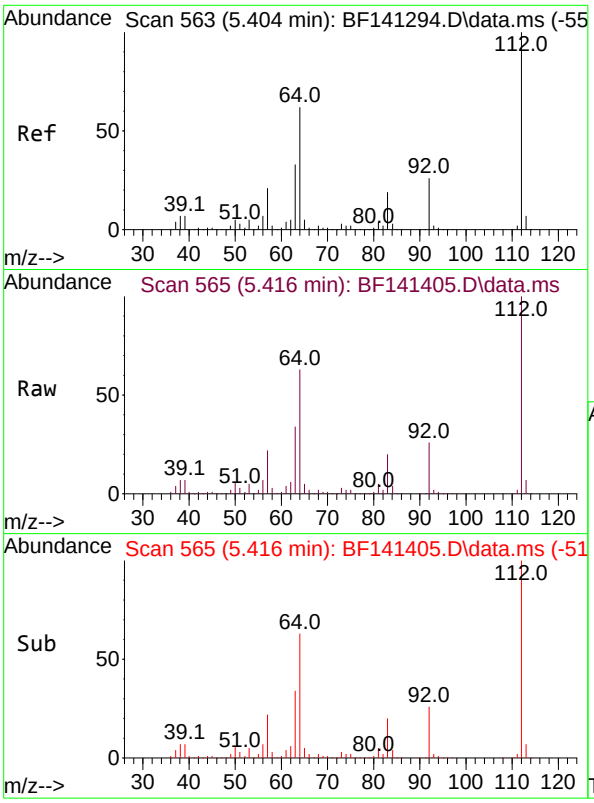




#4
n-Nitrosodimethylamine
Concen: 43.320 ng
RT: 3.216 min Scan# 191
Delta R.T. 0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion: 42 Resp: 151052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 101.5 | 90.3 | 135.5 |
| 44 | 6.9 | 5.7 | 8.5 |



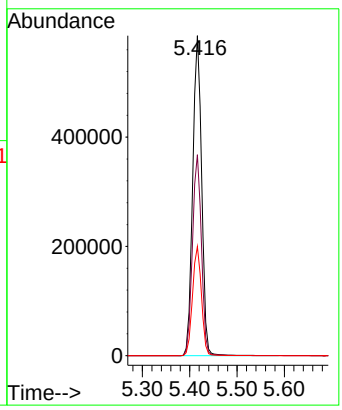


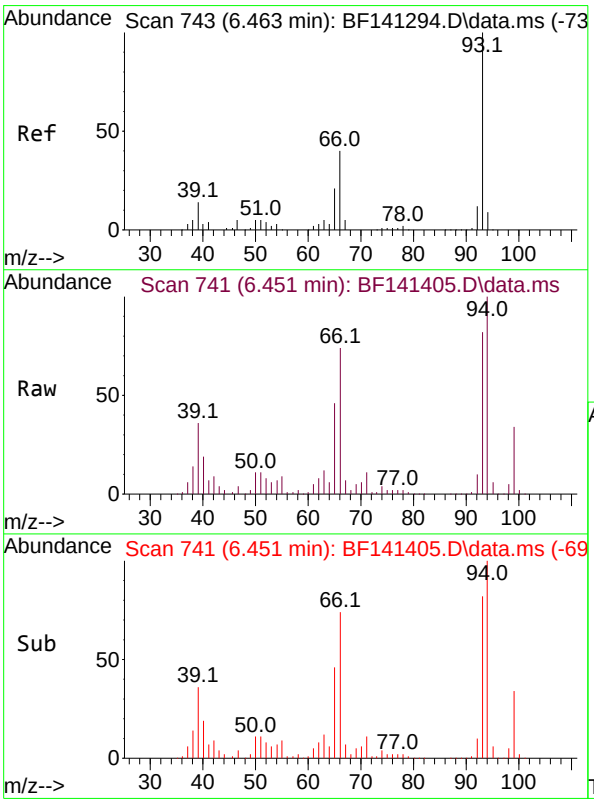

#5
2-Fluorophenol
Concen: 133.556 ng
RT: 5.416 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:112 Resp: 769318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.8 | 49.8 | 74.8 |
| 63 | 34.1 | 26.1 | 39.1 |

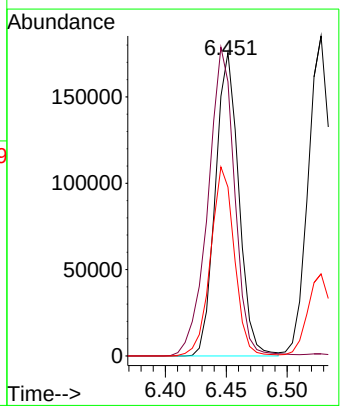


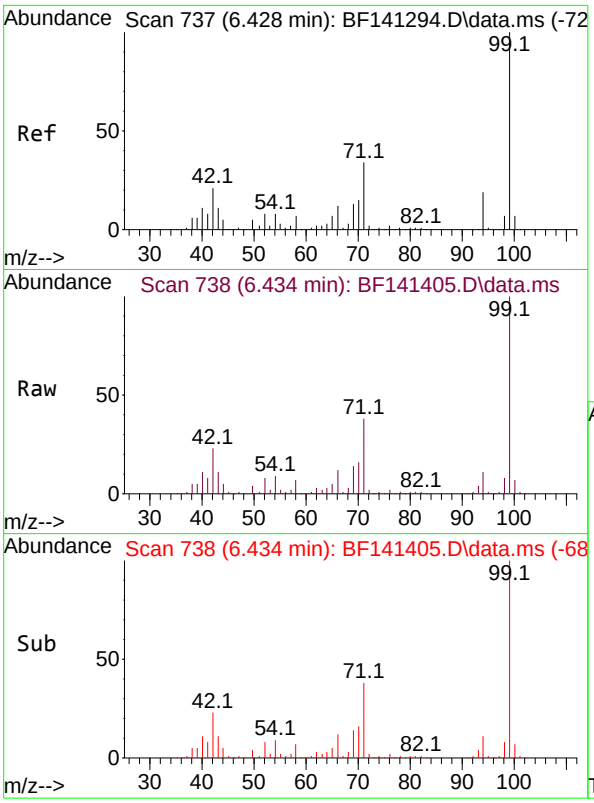




#6
Aniline
Concen: 37.888 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion: 93 Resp: 235017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 90.4 | 32.5 | 48.7# |
| 65 | 55.6 | 17.0 | 25.6# |



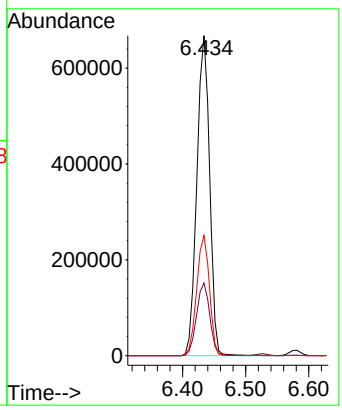


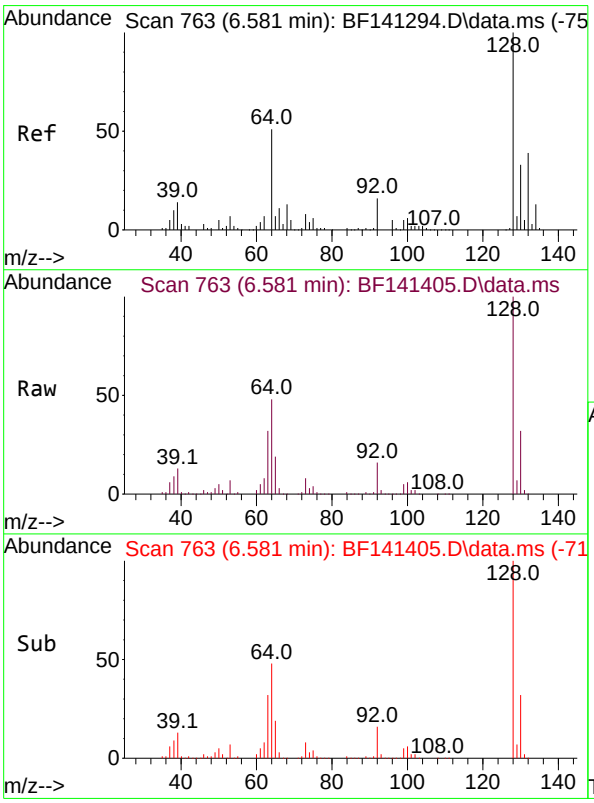

#7
Phenol-d6
Concen: 127.858 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion: 99 Resp: 936922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.7 | 17.1 | 25.7 |
| 71 | 37.5 | 26.9 | 40.3 |

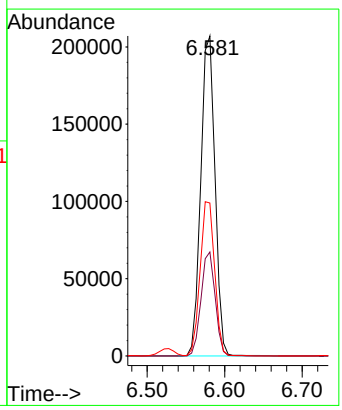


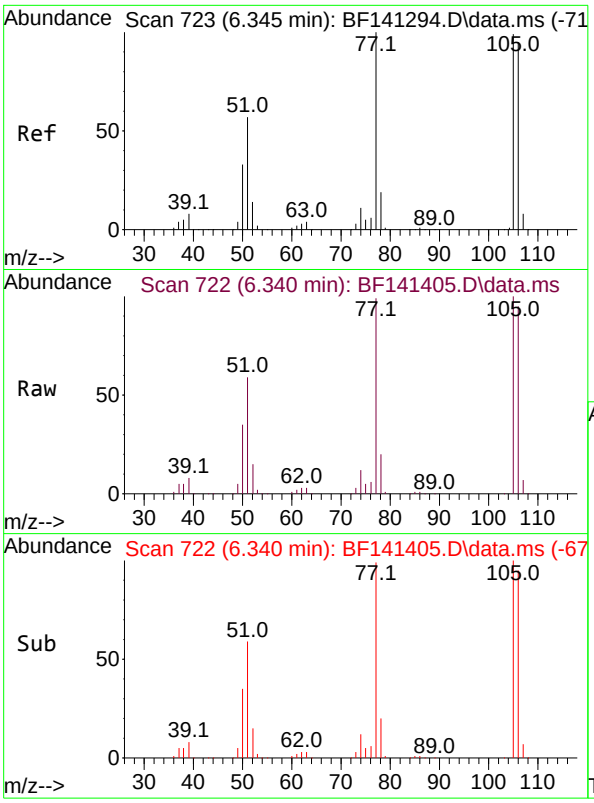




#8
2-Chlorophenol
Concen: 42.853 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:128 Resp: 264577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.5 | 12.5 | 52.5 |
| 64 | 47.8 | 32.9 | 72.9 |



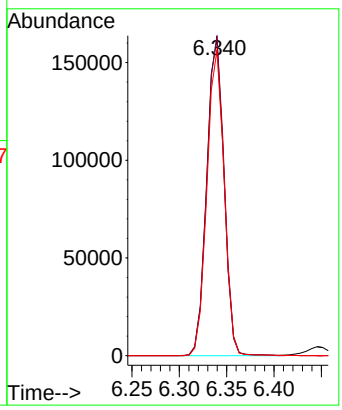


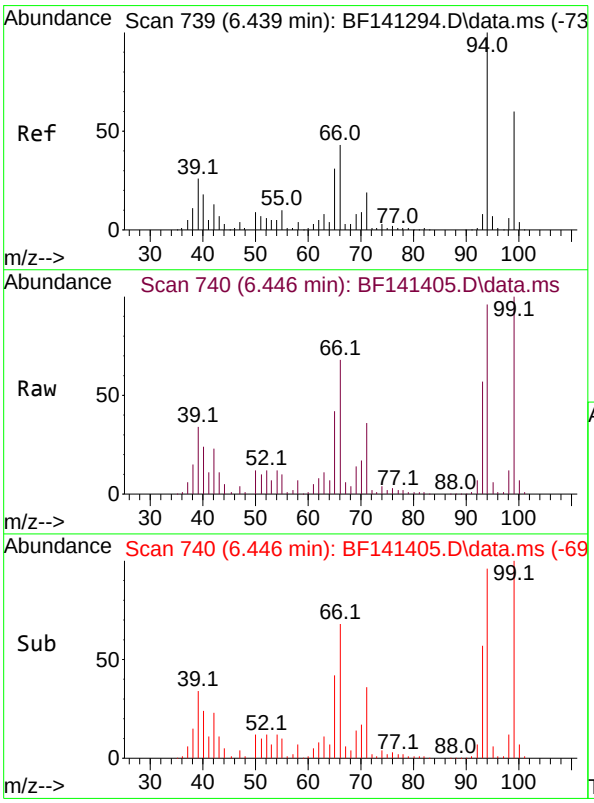

#9
Benzaldehyde
Concen: 48.426 ng
RT: 6.340 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion: 77 Resp: 205545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 100.9 | 79.4 | 119.4 |
| 106 | 96.3 | 74.6 | 114.6 |

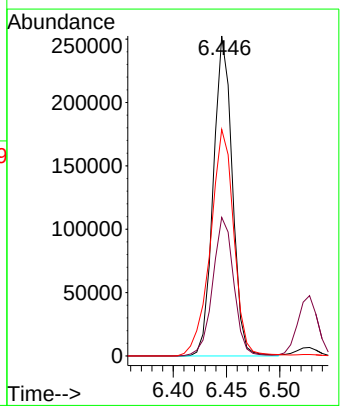


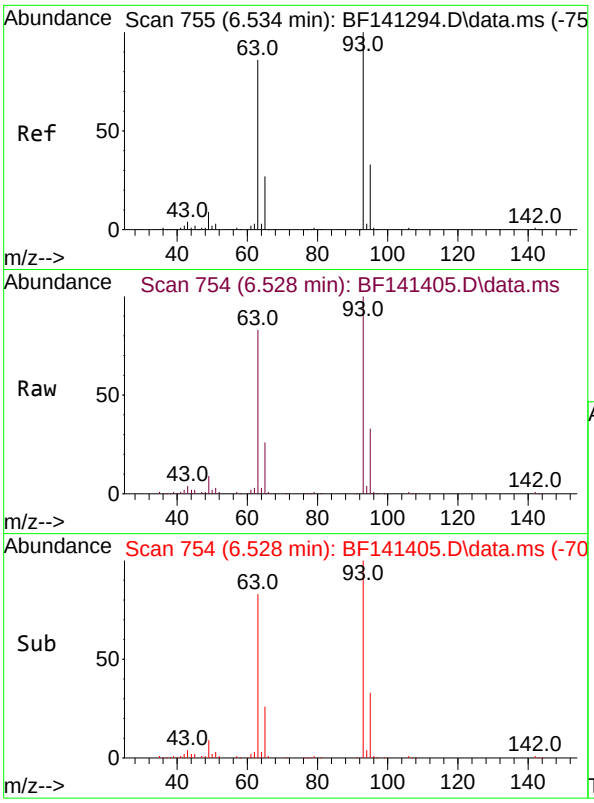




#10
Phenol
Concen: 40.114 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion: 94 Resp: 311602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 43.3 | 10.8 | 50.8 |
| 66 | 70.8 | 23.3 | 63.3# |



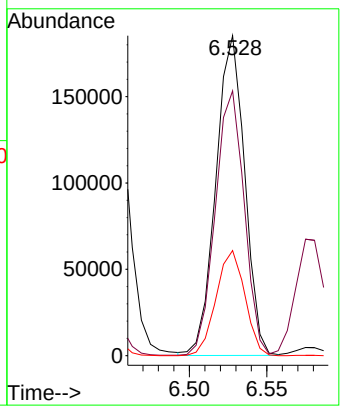


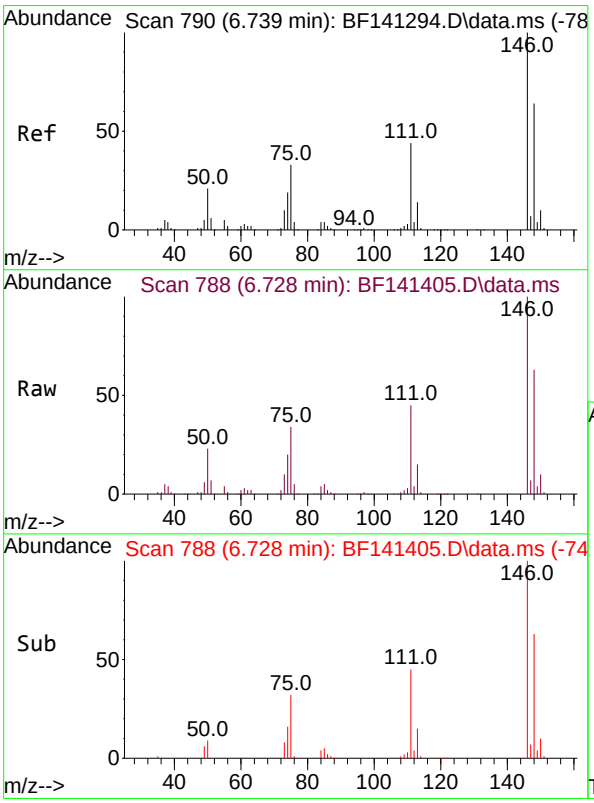

#11
bis(2-Chloroethyl)ether
Concen: 40.245 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion: 93 Resp: 239698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 82.7 | 65.0 | 105.0 |
| 95 | 32.8 | 12.4 | 52.4 |

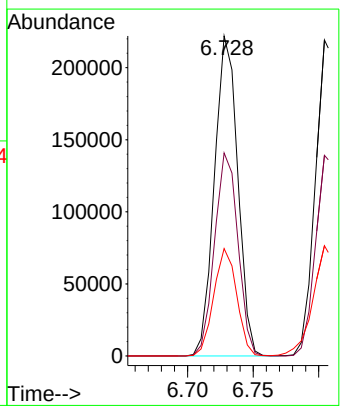


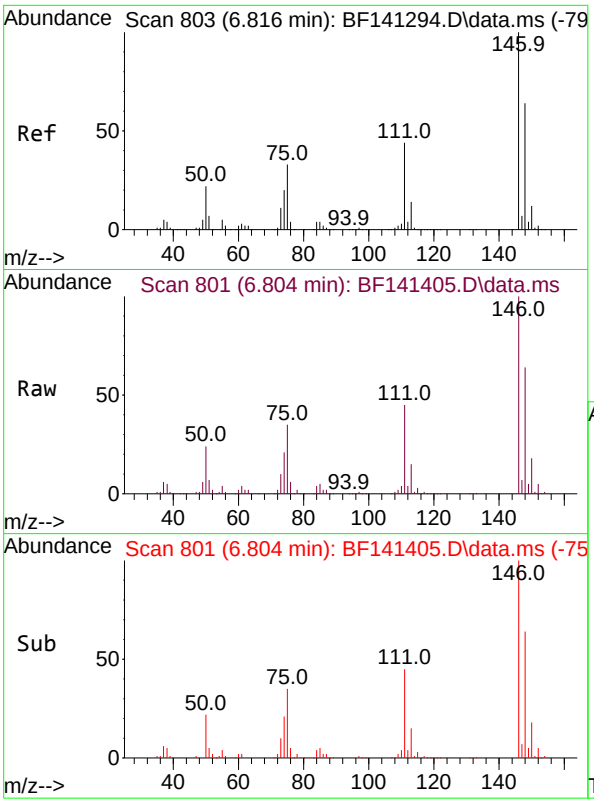




#12
1,3-Dichlorobenzene
Concen: 40.300 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:146 Resp: 274342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.5 | 51.2 | 76.8 |
| 75 | 33.5 | 26.2 | 39.4 |



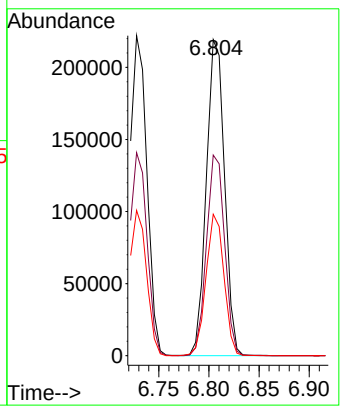


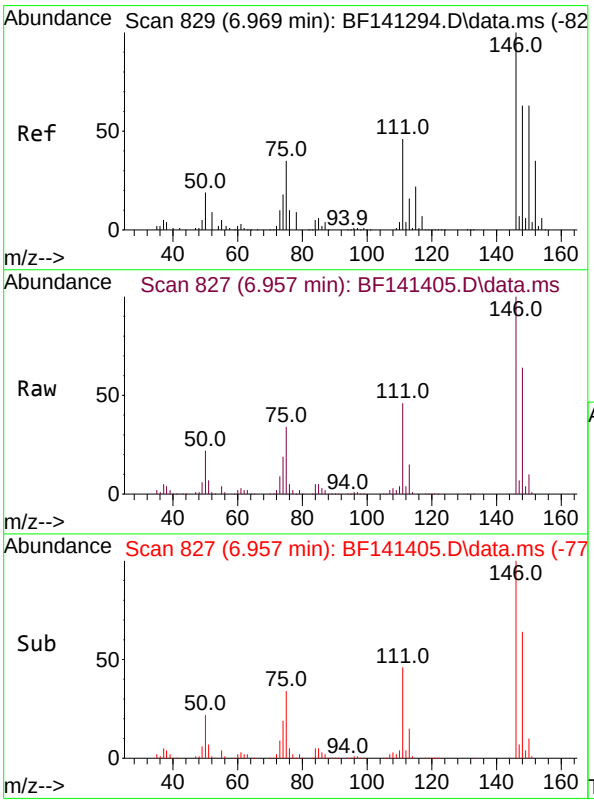

#13
1,4-Dichlorobenzene
Concen: 40.400 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:146 Resp: 276285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.5 | 51.2 | 76.8 |
| 111 | 44.8 | 35.0 | 52.4 |

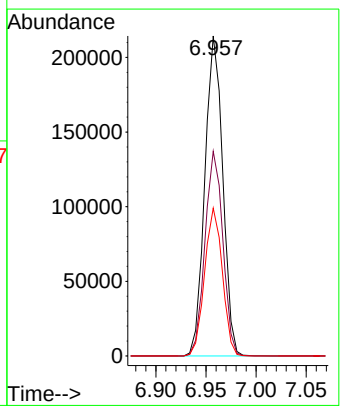


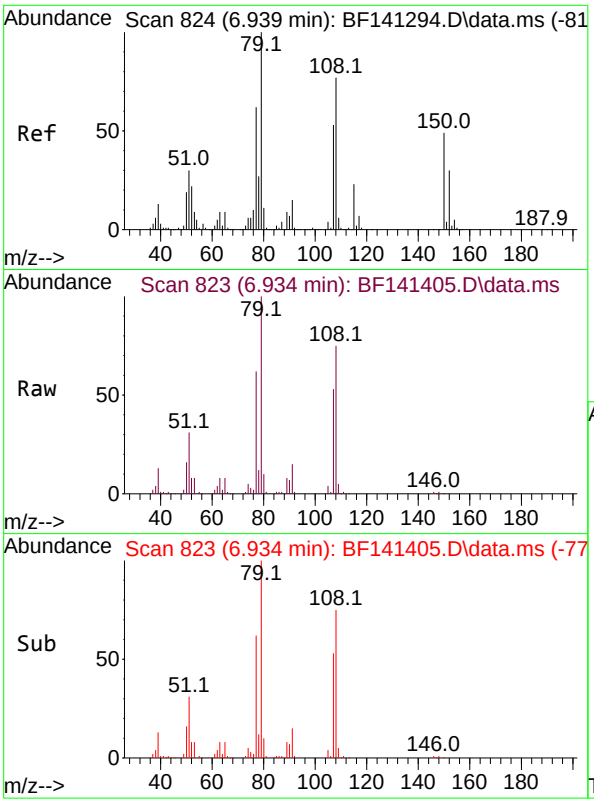




#14
1,2-Dichlorobenzene
Concen: 41.550 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:146 Resp: 266079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 50.5 | 75.7 |
| 111 | 46.2 | 36.6 | 55.0 |



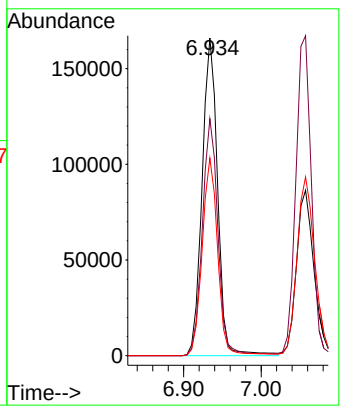


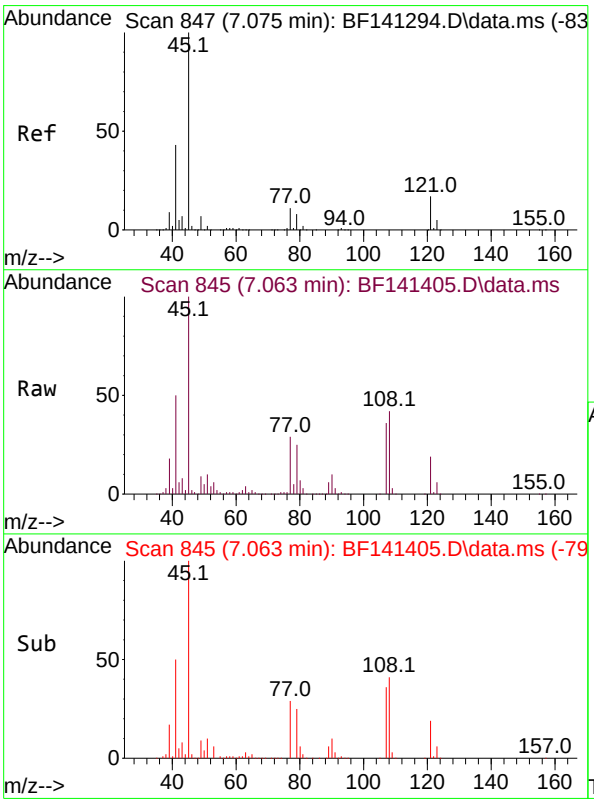

#15
Benzyl Alcohol
Concen: 46.055 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion: 79 Resp: 230635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 74.6 | 61.4 | 92.0 |
| 77 | 62.2 | 49.9 | 74.9 |

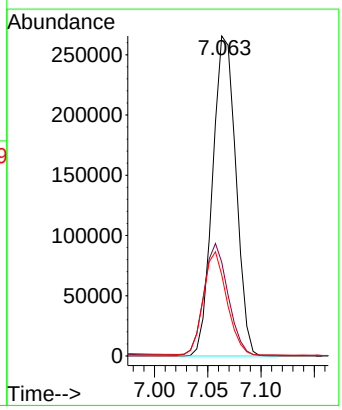


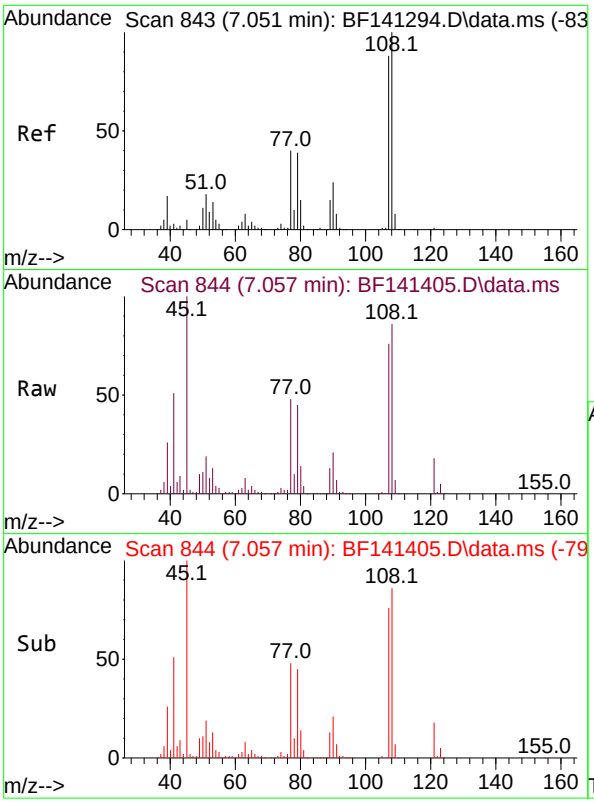




#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.977 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion: 45 Resp: 403685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 29.3 | 0.0 | 31.8 |
| 79 | 25.3 | 0.0 | 29.1 |



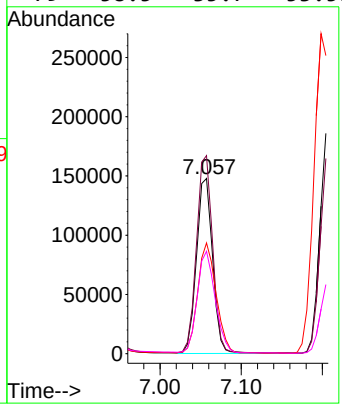


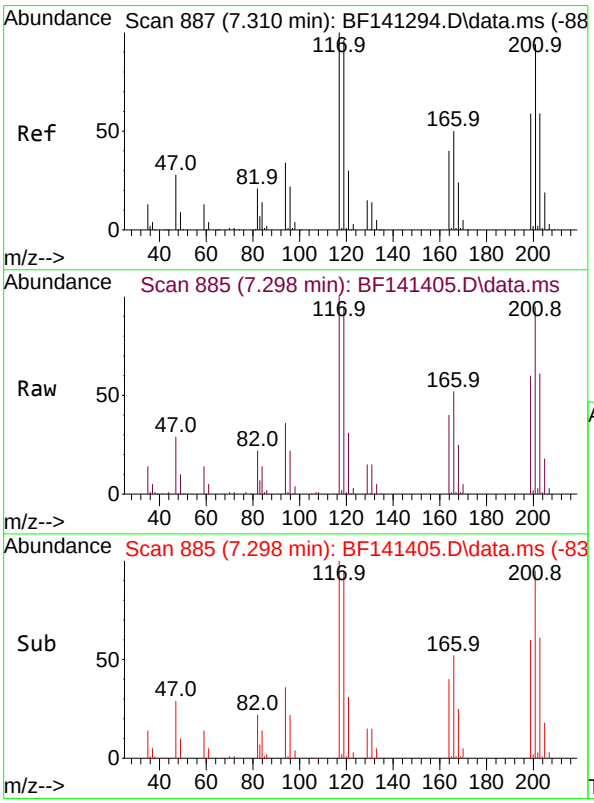

#17
2-Methylphenol
Concen: 40.848 ng
RT: 7.057 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:107 Resp: 204968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.1 | 90.8 | 136.2 |
| 77 | 63.2 | 36.2 | 54.4# |
| 79 | 58.5 | 35.7 | 53.5# |

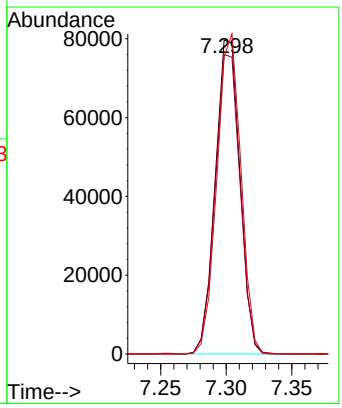


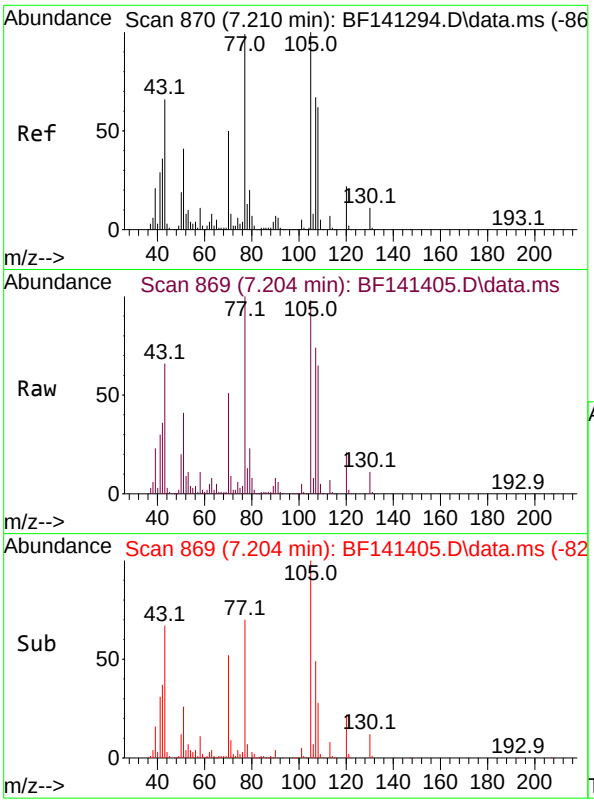




#18
Hexachloroethane
Concen: 41.339 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:117 Resp: 104293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.4 | 76.6 | 114.8 |
| 201 | 94.6 | 74.8 | 112.2 |



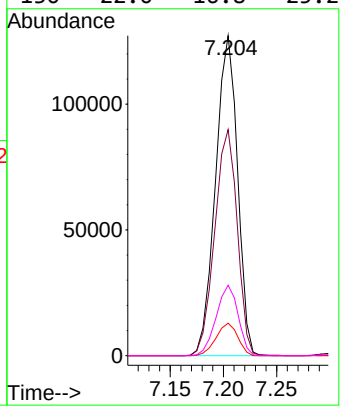


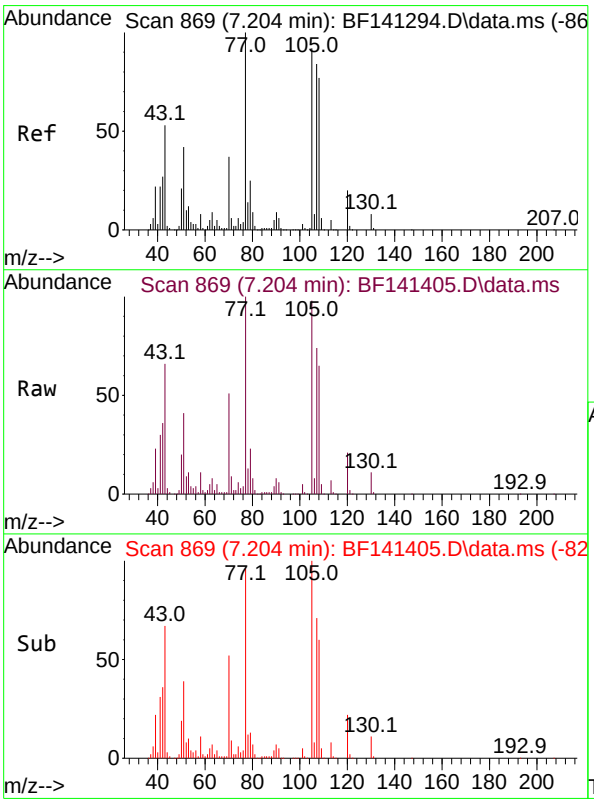

#19
n-Nitroso-di-n-propylamine
Concen: 41.908 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion: 70 Resp: 182475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 70.6 | 56.8 | 85.2 |
| 101 | 10.2 | 7.7 | 11.5 |
| 130 | 22.0 | 16.8 | 25.2 |

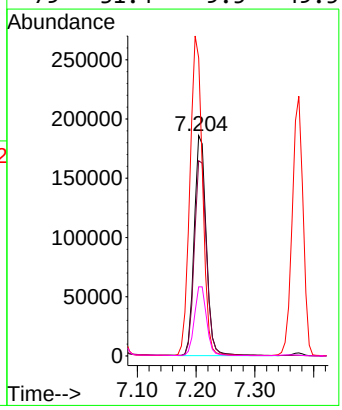


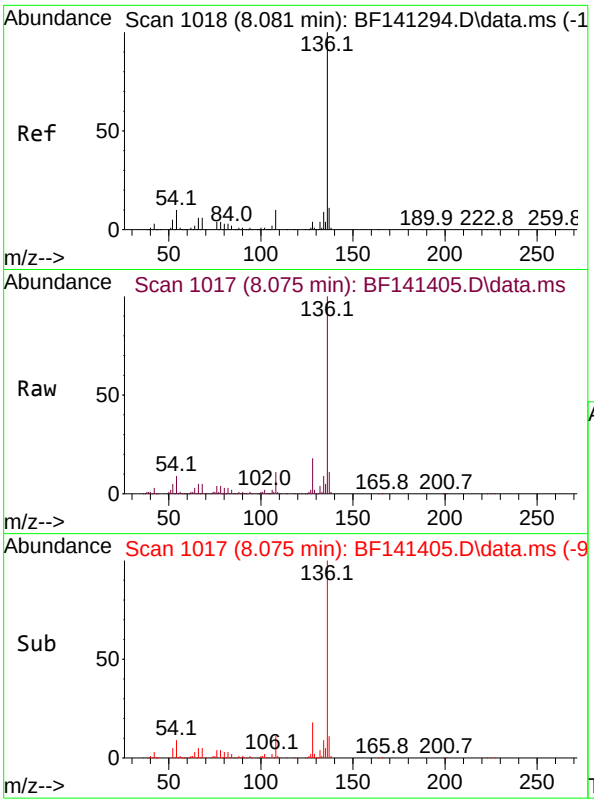




#20
3+4-Methylphenols
Concen: 42.728 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:107 Resp: 263250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.6 | 70.9 | 110.9 |
| 77 | 135.3 | 98.5 | 138.5 |
| 79 | 31.4 | 9.5 | 49.5 |



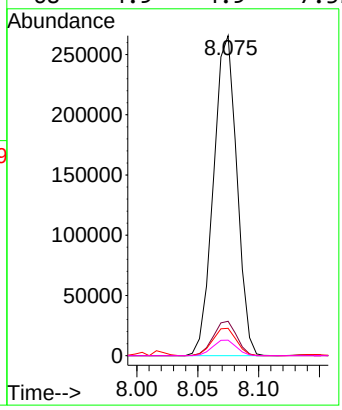


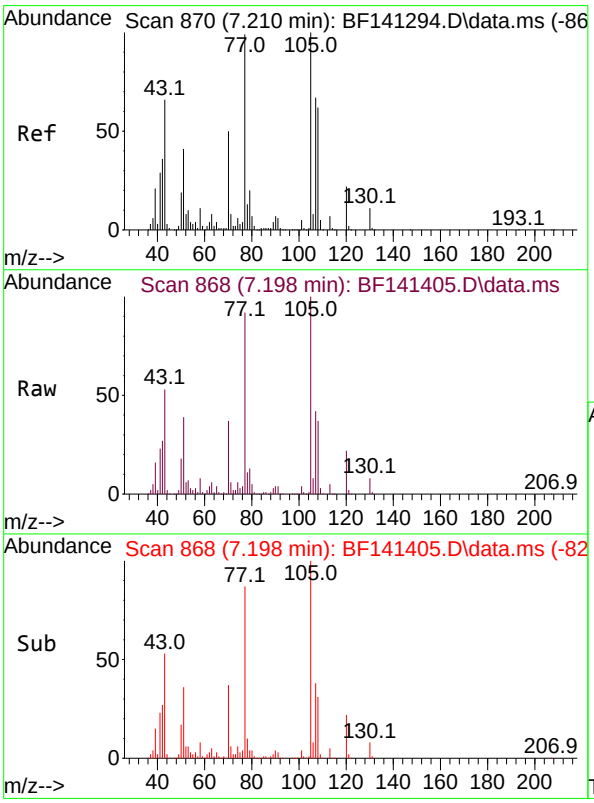

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:136 Resp: 354444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.6 | 13.0 |
| 54 | 8.5 | 7.8 | 11.8 |
| 68 | 4.9 | 4.9 | 7.3# |

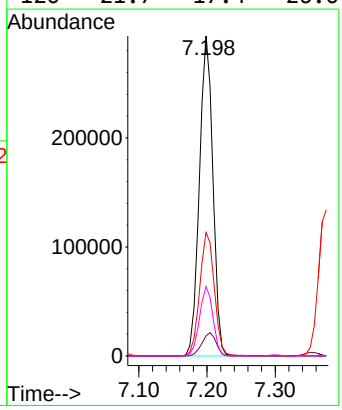


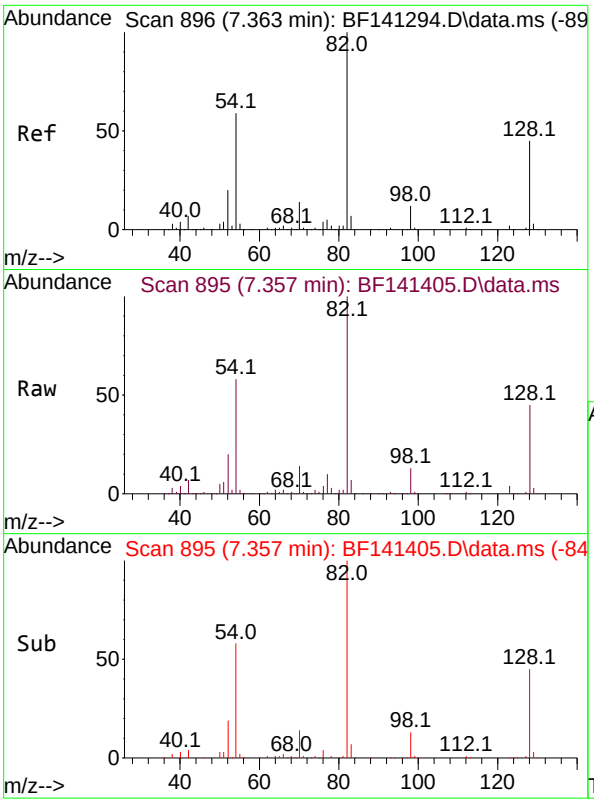




#22
Acetophenone
Concen: 47.941 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:105 Resp: 403906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.3 | 6.8 | 10.2# |
| 51 | 38.6 | 32.6 | 49.0 |
| 120 | 21.7 | 17.4 | 26.0 |



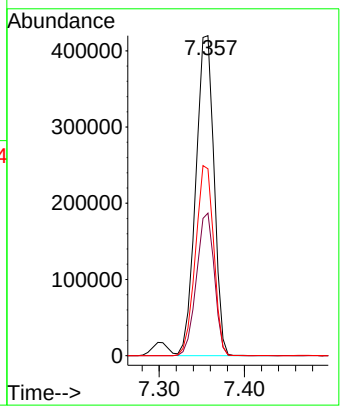


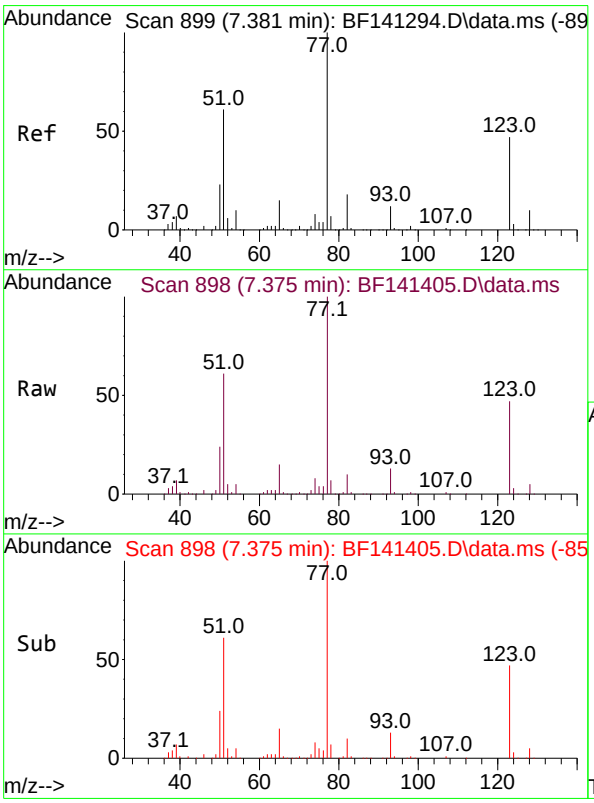

#23
Nitrobenzene-d5
Concen: 92.695 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion: 82 Resp: 623241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.5 | 35.7 | 53.5 |
| 54 | 58.4 | 47.1 | 70.7 |

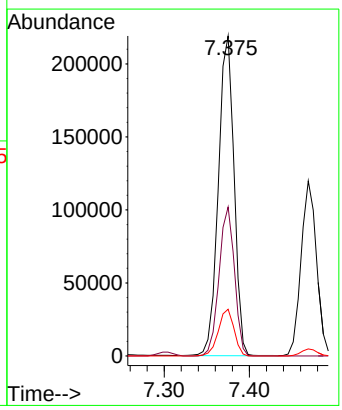


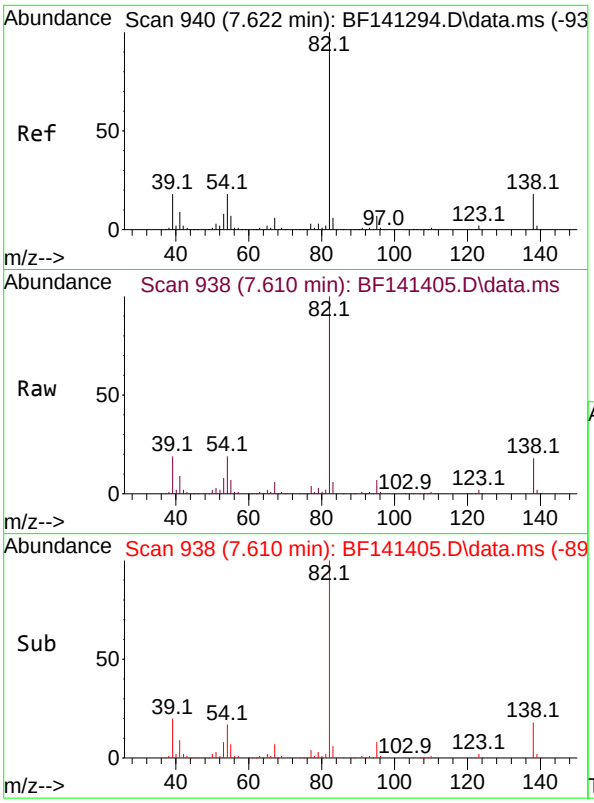




#24
Nitrobenzene
Concen: 40.220 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion: 77 Resp: 280239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.6 | 37.3 | 55.9 |
| 65 | 14.6 | 11.8 | 17.6 |



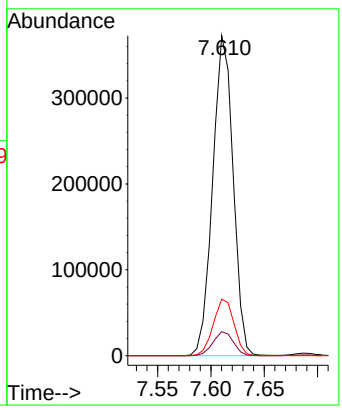


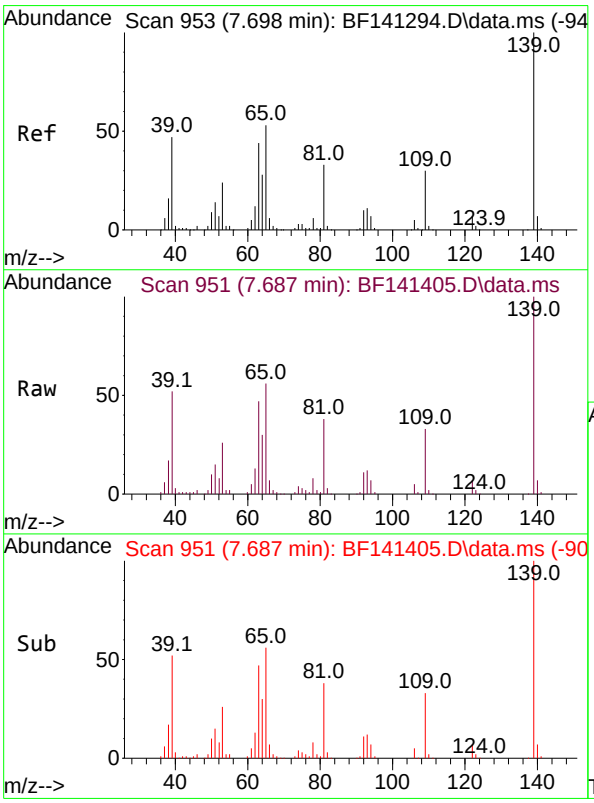

#25
Isophorone
Concen: 42.717 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion: 82 Resp: 496476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.5 | 5.8 | 8.6 |
| 138 | 17.7 | 14.7 | 22.1 |

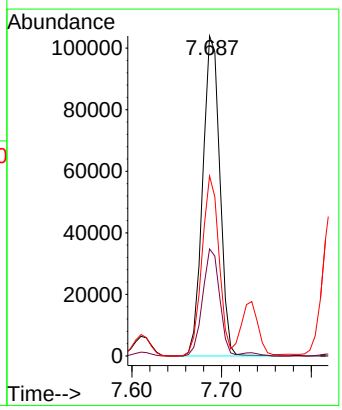


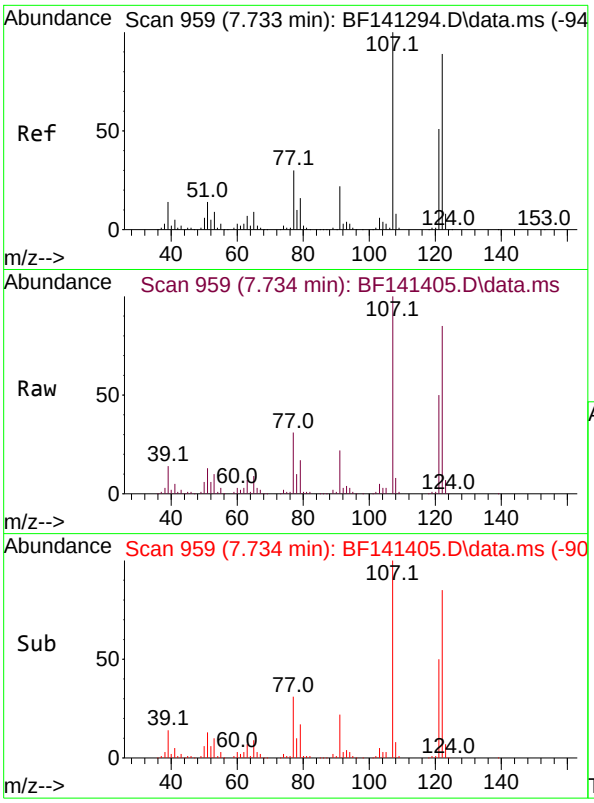




#26
2-Nitrophenol
Concen: 41.920 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:139 Resp: 137753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.5 | 23.8 | 35.6 |
| 65 | 56.3 | 42.2 | 63.4 |



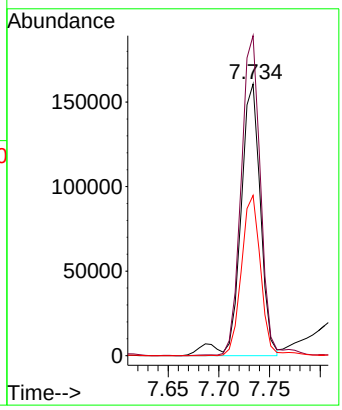


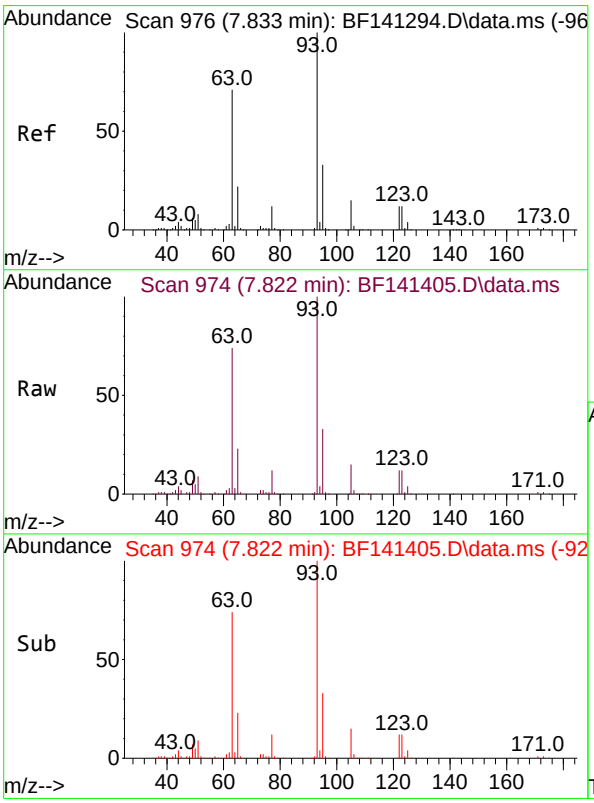

#27
2,4-Dimethylphenol
Concen: 52.180 ng m
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:122 Resp: 218249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 117.8 | 89.9 | 134.9 |
| 121 | 59.0 | 46.1 | 69.1 |

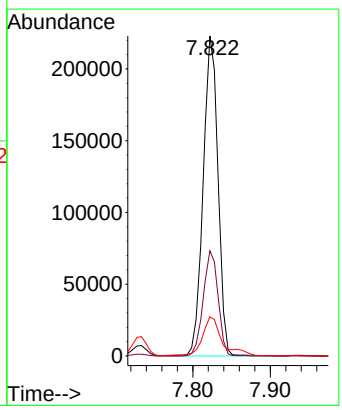


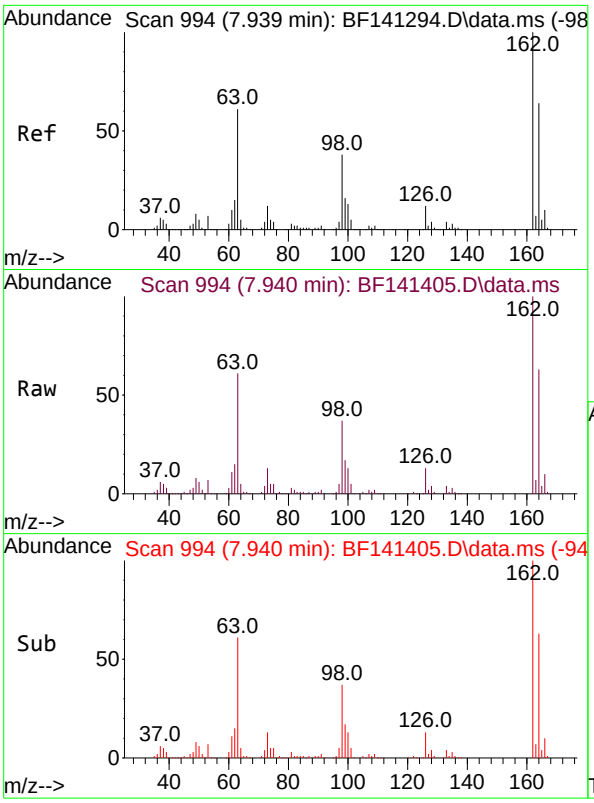




#28
bis(2-Chloroethoxy)methane
Concen: 39.933 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion: 93 Resp: 296047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.9 | 26.2 | 39.2 |
| 123 | 12.2 | 10.2 | 15.4 |



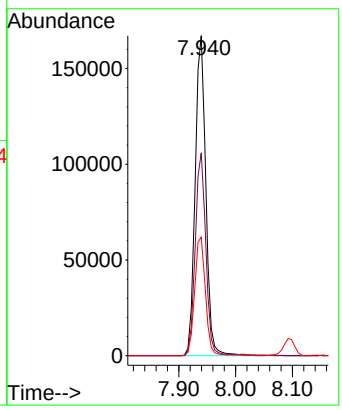


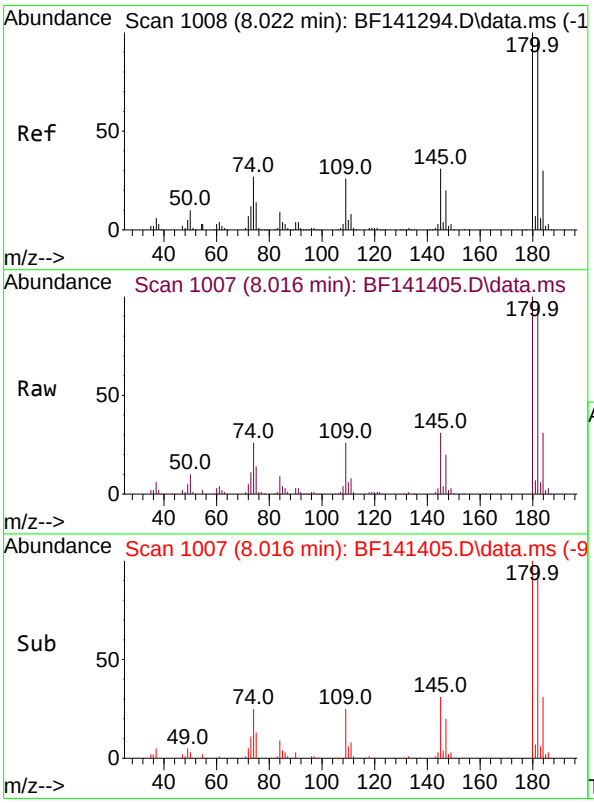

#29
2,4-Dichlorophenol
Concen: 42.800 ng
RT: 7.940 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:162 Resp: 219155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.4 | 44.2 | 84.2 |
| 98 | 37.0 | 18.2 | 58.2 |

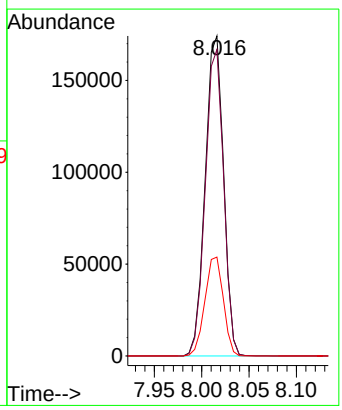


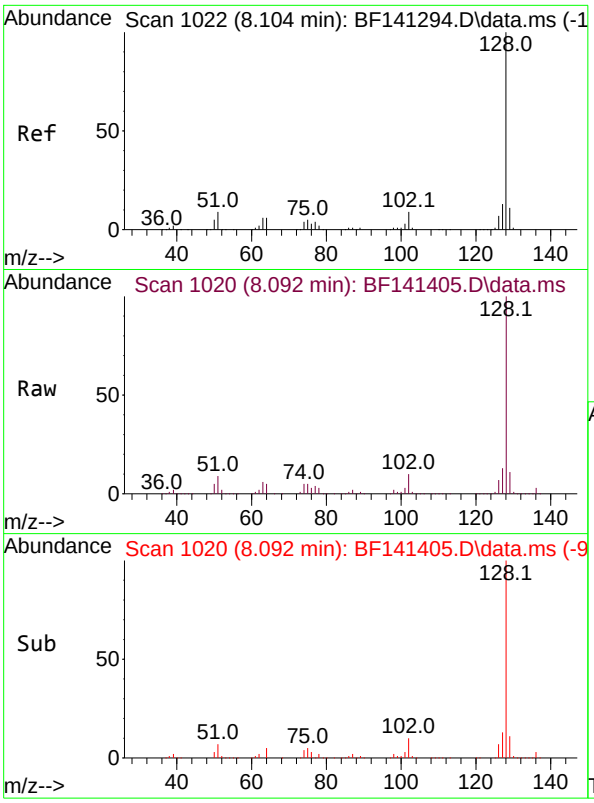




#30
1,2,4-Trichlorobenzene
Concen: 40.218 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:180 Resp: 235183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 76.4 | 114.6 |
| 145 | 30.9 | 24.9 | 37.3 |



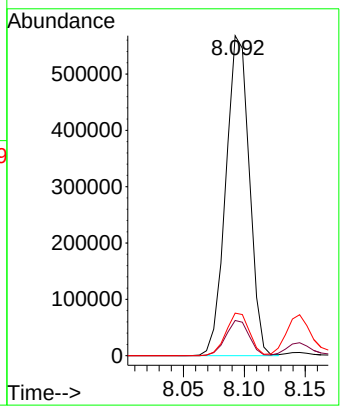


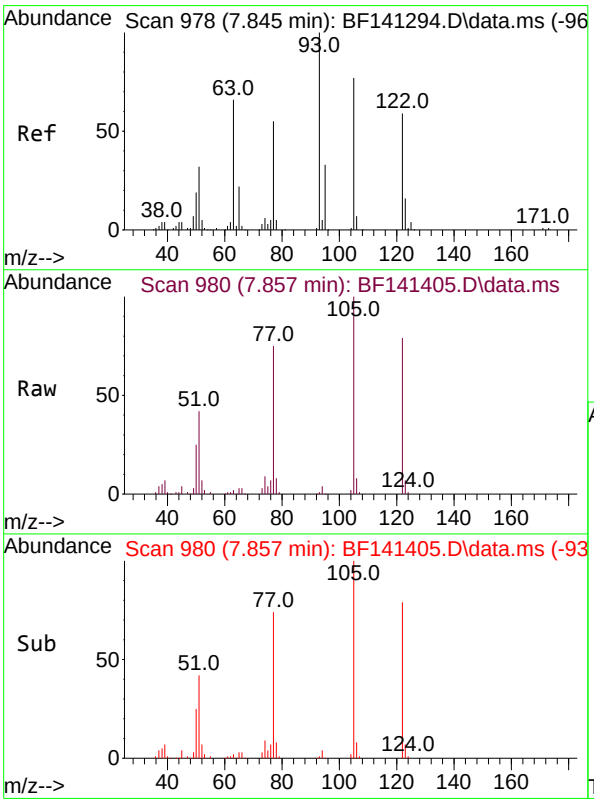

#31
Naphthalene
Concen: 40.619 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:128 Resp: 760572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.9 | 13.3 |
| 127 | 13.3 | 10.6 | 15.8 |

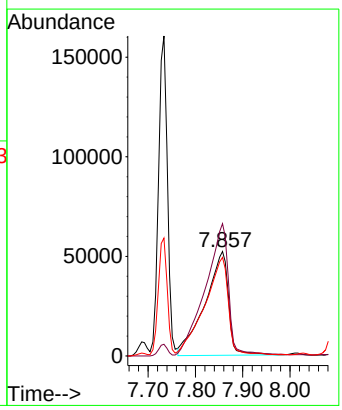


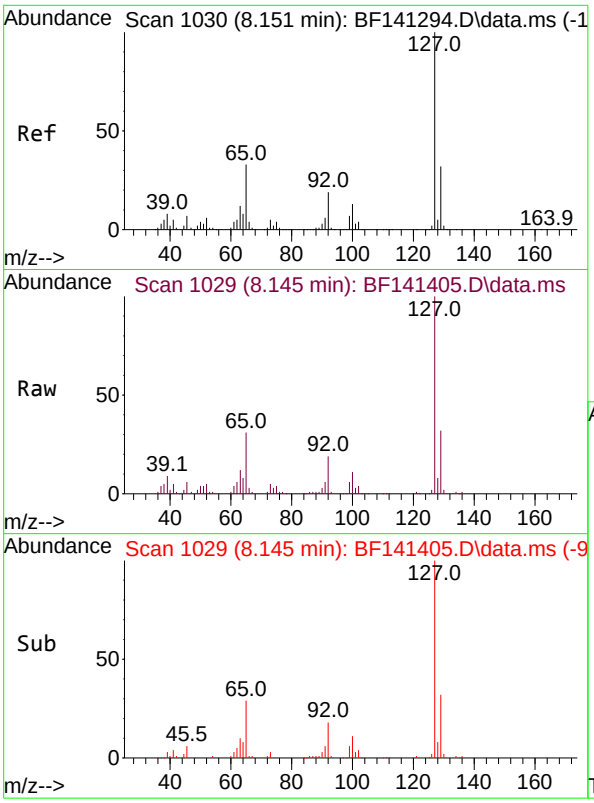




#32
Benzoic acid
Concen: 46.816 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:122 Resp: 180009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 126.6 | 103.4 | 143.4 |
| 77 | 94.3 | 70.9 | 110.9 |



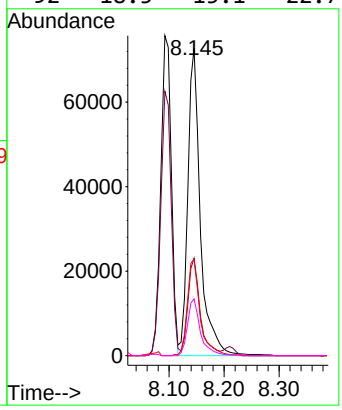


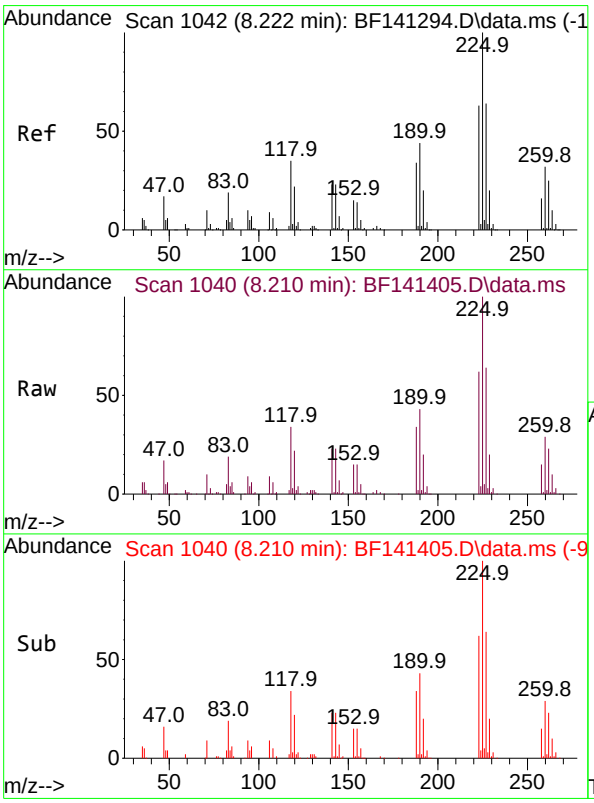

#33
4-Chloroaniline
Concen: 18.209 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:127 Resp: 115619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.7 | 25.7 | 38.5 |
| 65 | 31.4 | 26.4 | 39.6 |
| 92 | 18.5 | 15.1 | 22.7 |

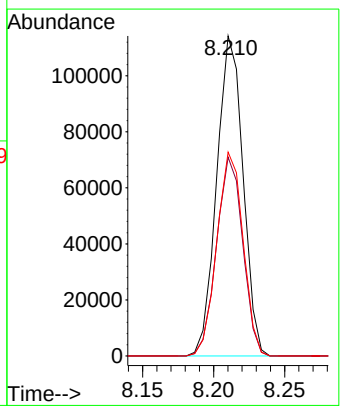


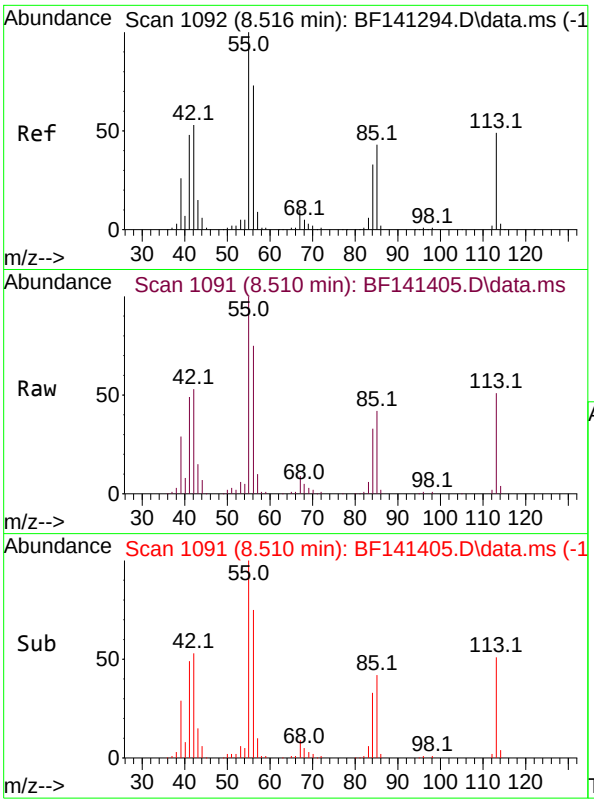




#34
Hexachlorobutadiene
Concen: 42.813 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:225 Resp: 146819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.1 | 50.4 | 75.6 |
| 227 | 63.7 | 51.3 | 76.9 |



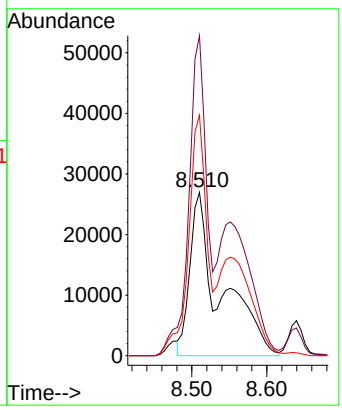


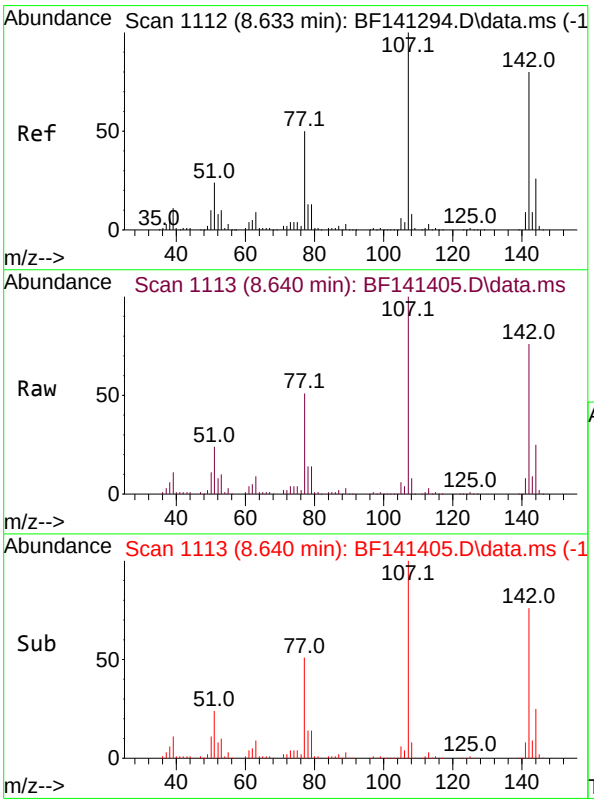

#35
Caprolactam
Concen: 45.783 ng m
RT: 8.510 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:113 Resp: 76562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 195.8 | 182.9 | 222.9 |
| 56 | 147.2 | 127.9 | 167.9 |

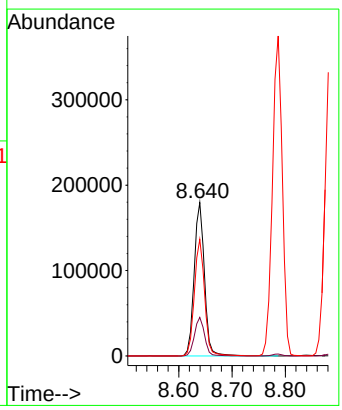


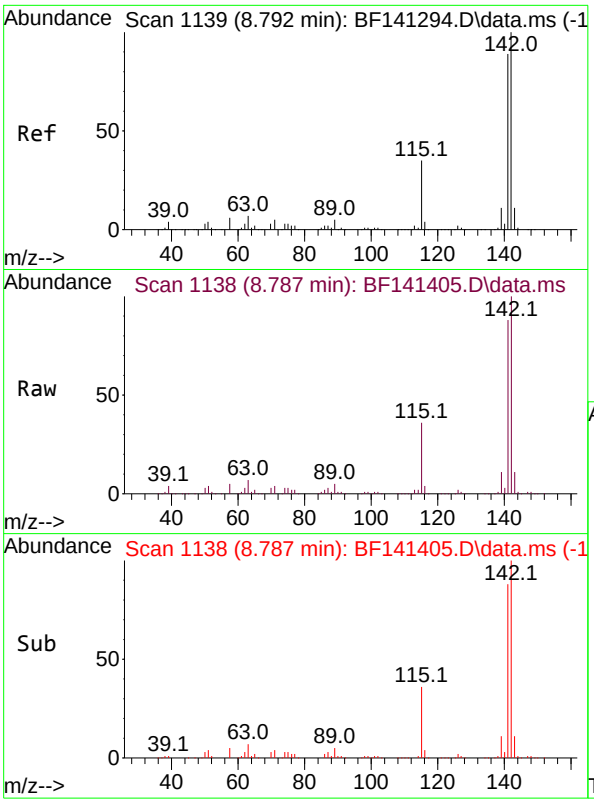




#36
4-Chloro-3-methylphenol
Concen: 43.764 ng
RT: 8.640 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:107 Resp: 240374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.1 | 20.7 | 31.1 |
| 142 | 76.0 | 63.8 | 95.8 |



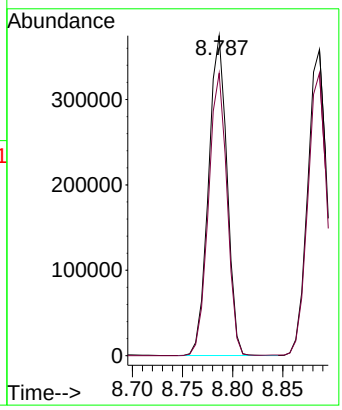


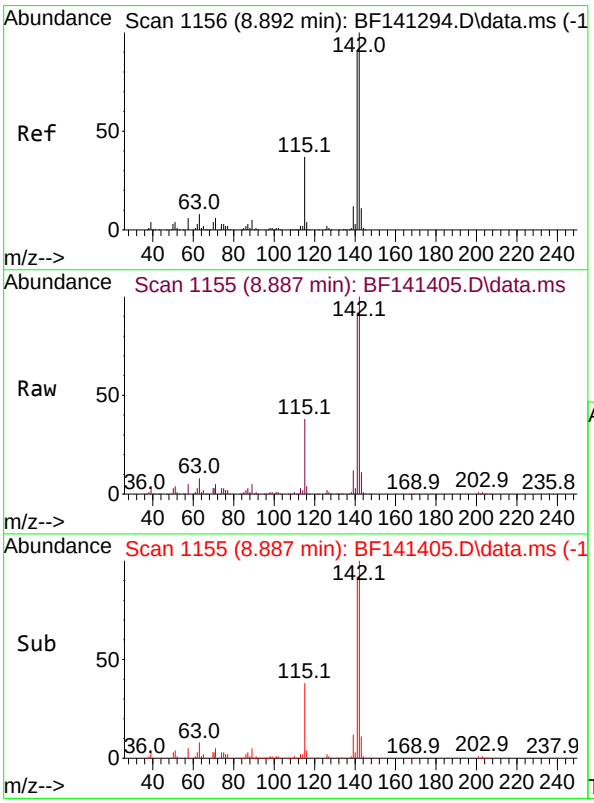

#37
2-Methylnaphthalene
Concen: 40.476 ng
RT: 8.787 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:142 Resp: 481699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.2 | 71.3 | 106.9 |

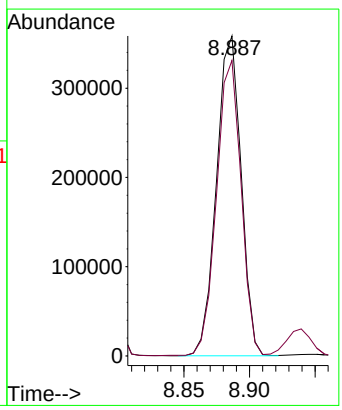


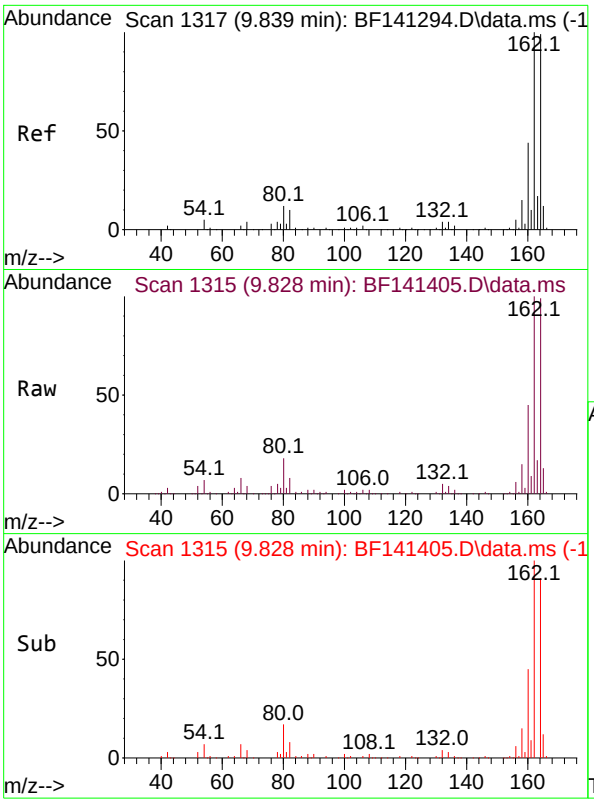




#38
1-Methylnaphthalene
Concen: 39.925 ng
RT: 8.887 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:142 Resp: 466741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.3 | 73.2 | 109.8 |



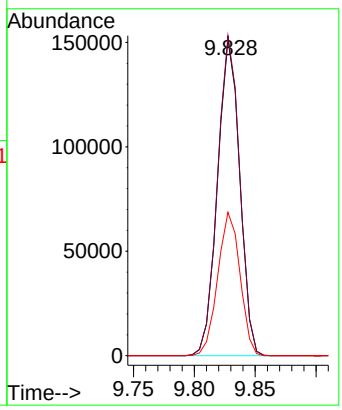


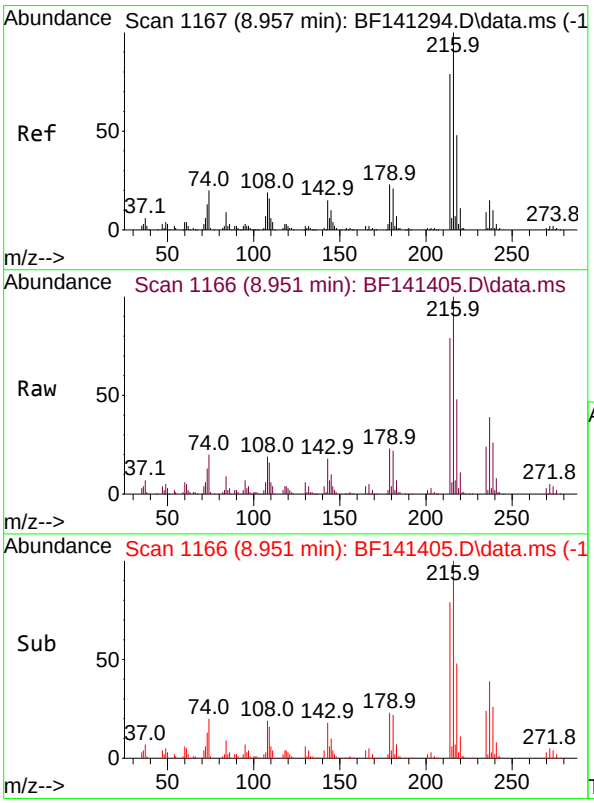

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:164 Resp: 192238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.2 | 80.6 | 121.0 |
| 160 | 45.3 | 35.8 | 53.6 |

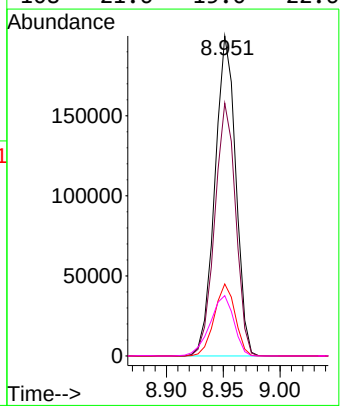


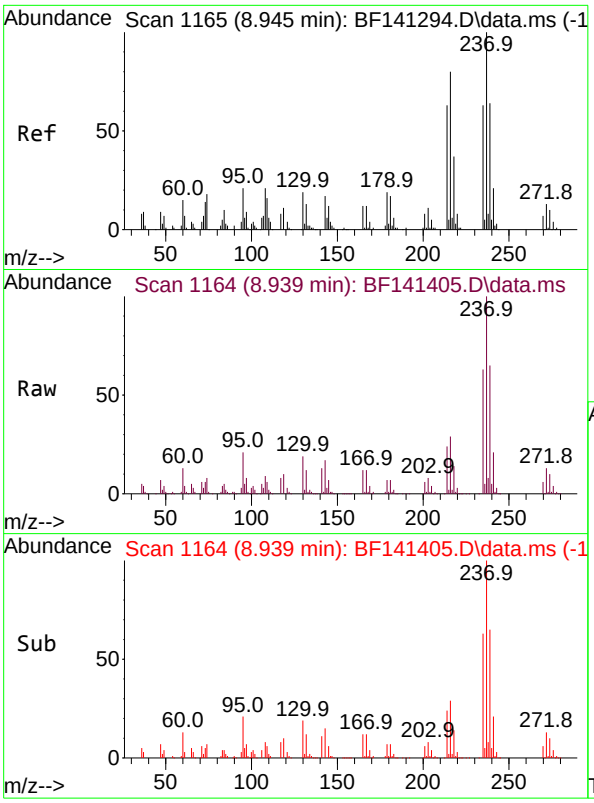




#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.830 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:216 Resp: 256112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.0 | 63.2 | 94.8 |
| 179 | 22.4 | 17.8 | 26.8 |
| 108 | 21.6 | 15.0 | 22.6 |



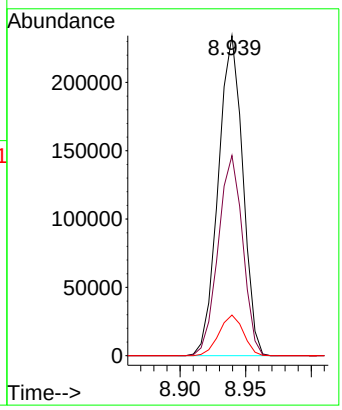


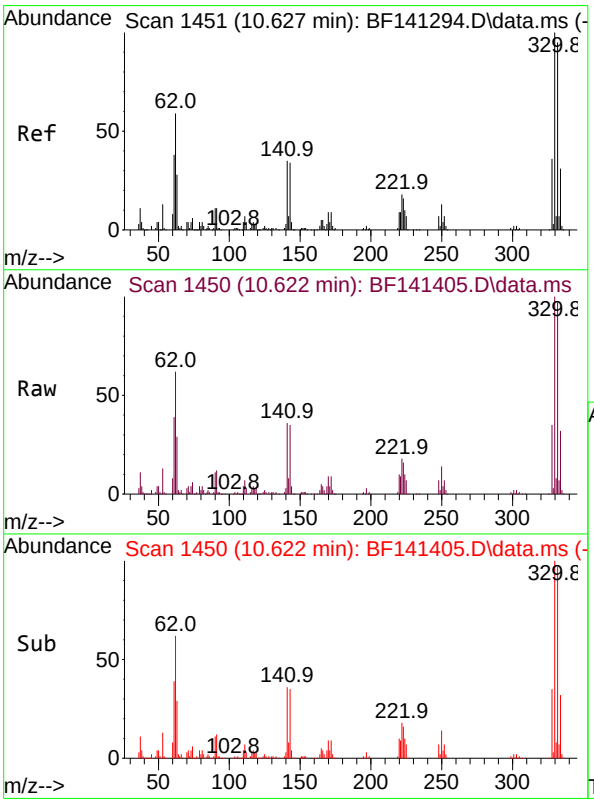

#41
Hexachlorocyclopentadiene
Concen: 188.383 ng
RT: 8.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:237 Resp: 304265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.6 | 42.9 | 82.9 |
| 272 | 12.7 | 0.0 | 32.8 |

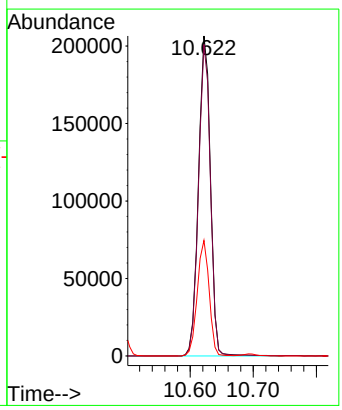


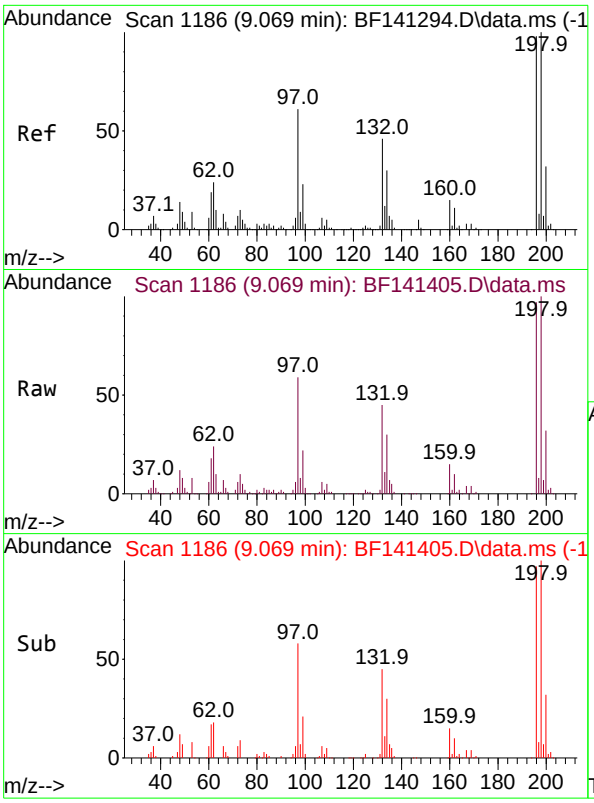




#42
2,4,6-Tribromophenol
Concen: 153.949 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:330 Resp: 271316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.3 | 76.1 | 114.1 |
| 141 | 35.9 | 28.8 | 43.2 |



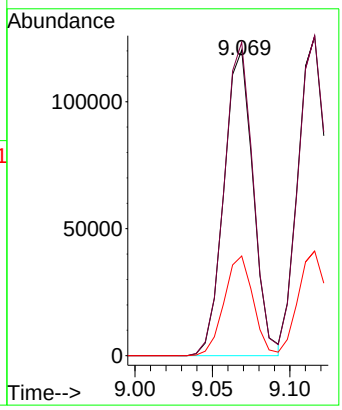


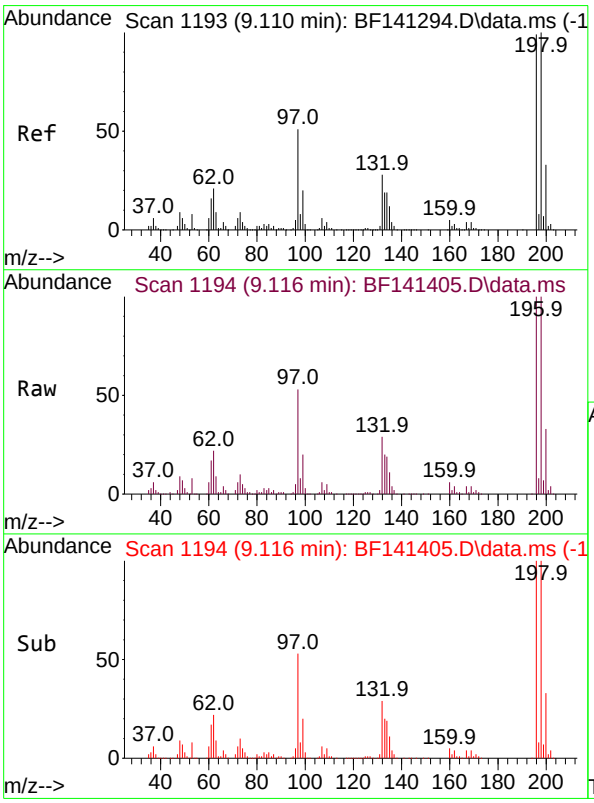

#43
2,4,6-Trichlorophenol
Concen: 44.001 ng
RT: 9.069 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:196 Resp: 157506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 102.6 | 81.8 | 122.6 |
| 200 | 32.6 | 26.3 | 39.5 |

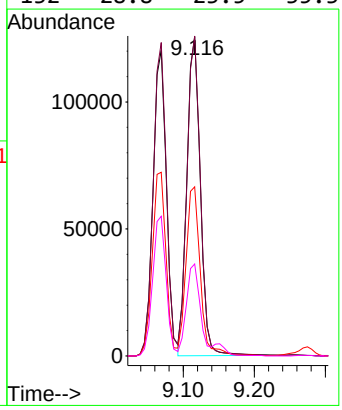


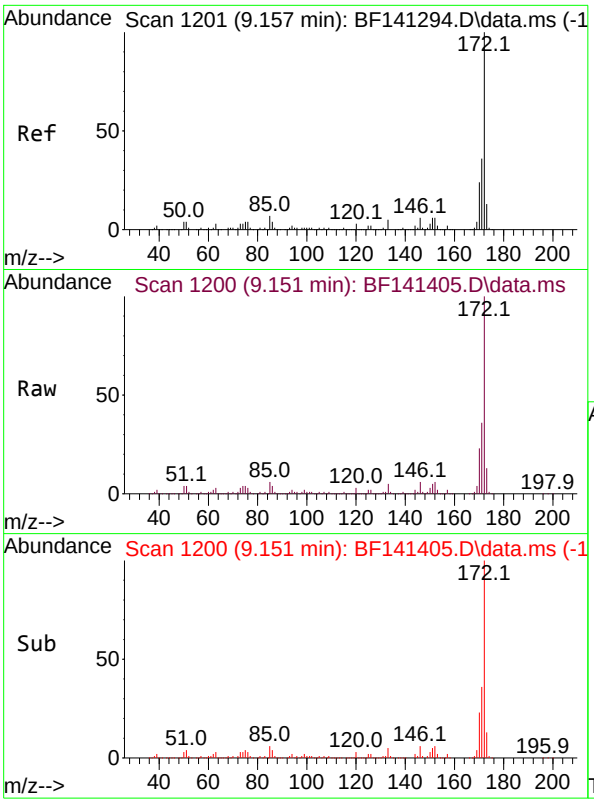




#44
2,4,5-Trichlorophenol
Concen: 42.677 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:196 Resp: 166270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.2 | 80.5 | 120.7 |
| 97 | 53.0 | 42.8 | 64.2 |
| 132 | 28.8 | 23.5 | 35.3 |



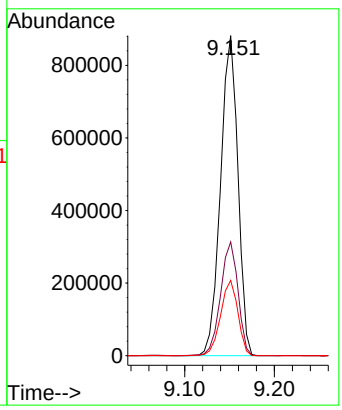


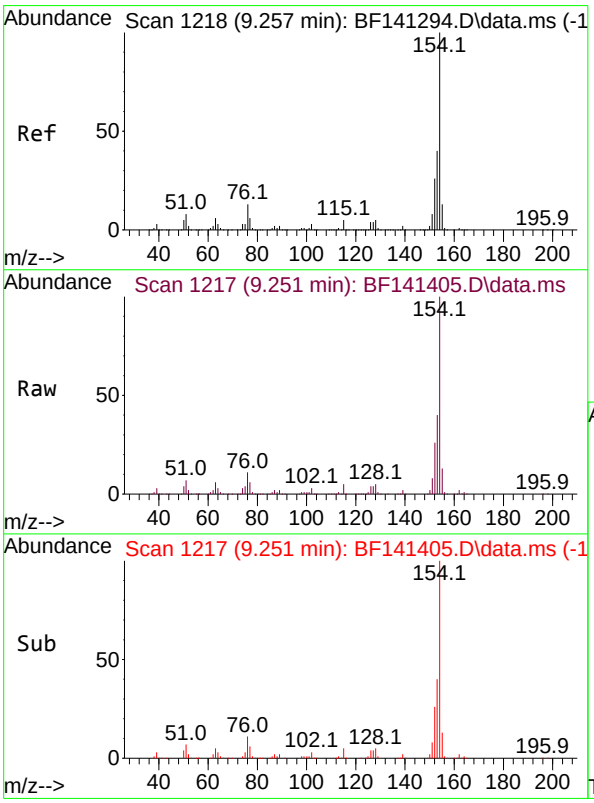

#45
2-Fluorobiphenyl
Concen: 94.785 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:172 Resp: 1183823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 28.8 | 43.2 |
| 170 | 23.5 | 19.0 | 28.6 |

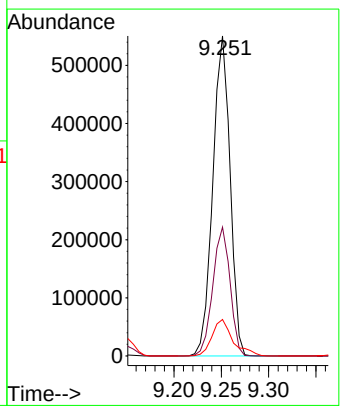


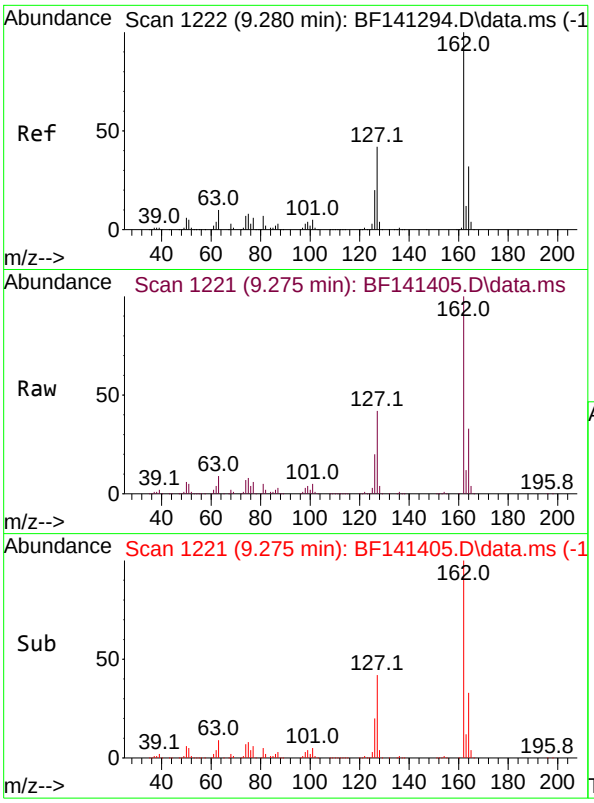




#46
1,1'-Biphenyl
Concen: 46.526 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:154 Resp: 697536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.3 | 20.0 | 60.0 |
| 76 | 11.4 | 0.0 | 32.8 |



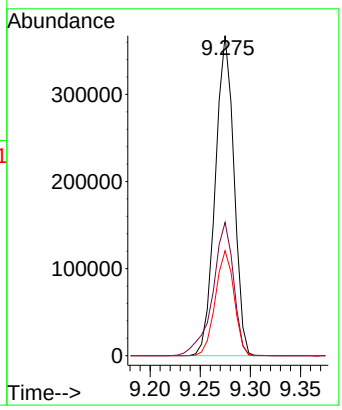


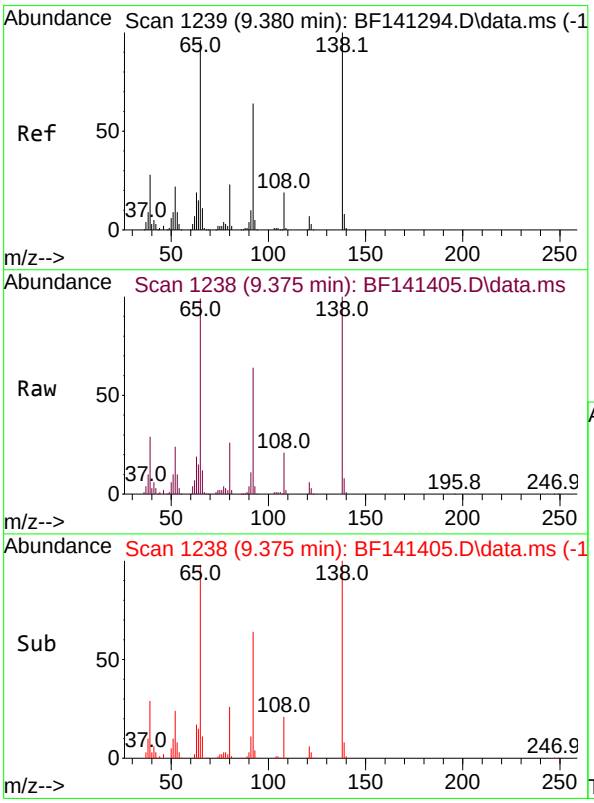

#47
2-Chloronaphthalene
Concen: 40.612 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:162 Resp: 474573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.7 | 33.7 | 50.5 |
| 164 | 32.8 | 25.9 | 38.9 |

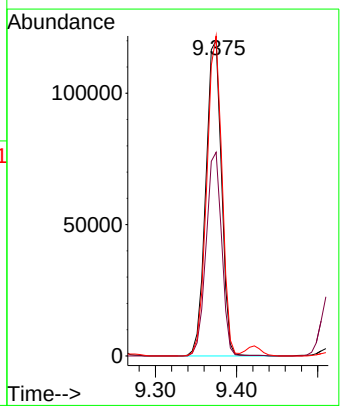


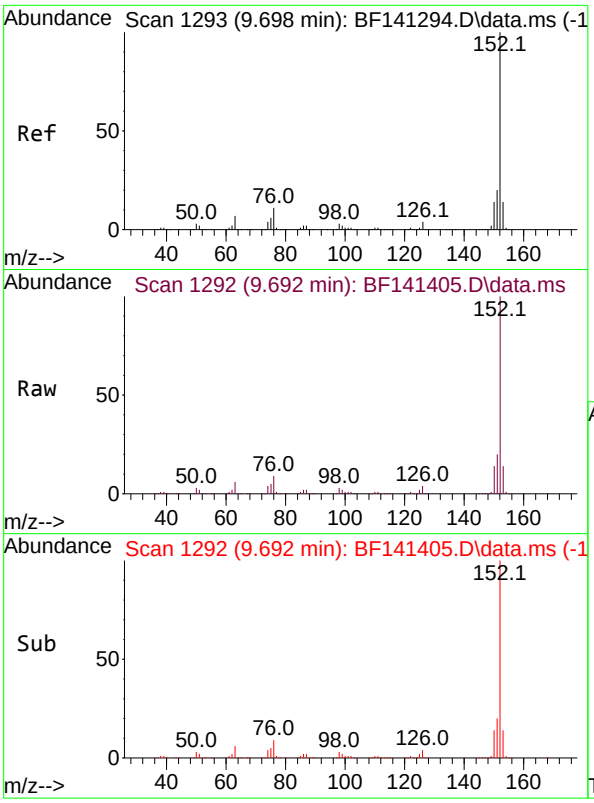




#48
2-Nitroaniline
Concen: 43.758 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion: 65 Resp: 160837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 64.6 | 53.3 | 79.9 |
| 138 | 101.4 | 83.6 | 125.4 |



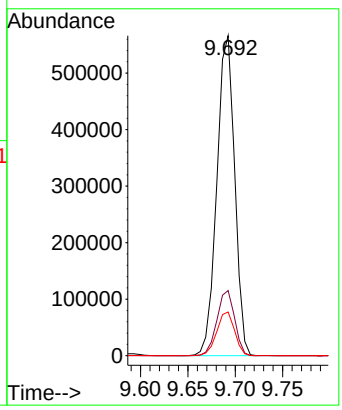


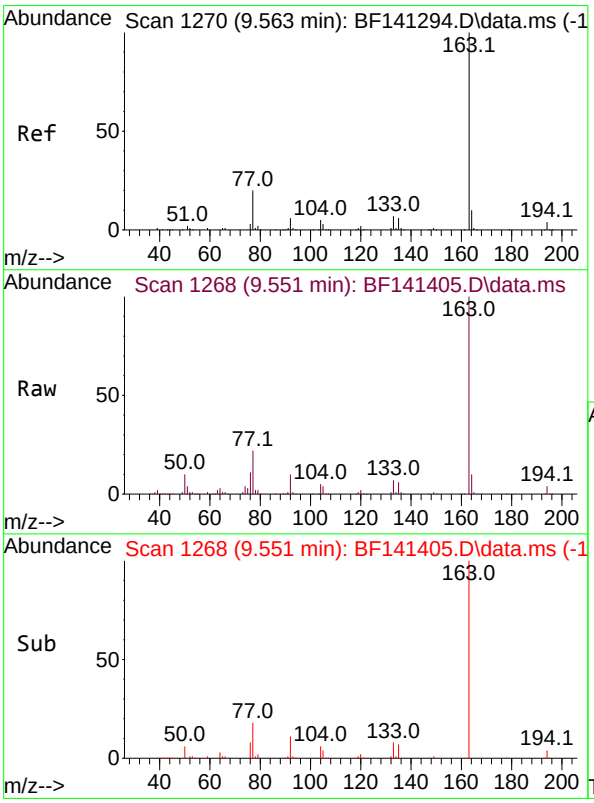

#49
Acenaphthylene
Concen: 45.402 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:152 Resp: 742670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.2 | 24.2 |
| 153 | 13.7 | 11.0 | 16.6 |

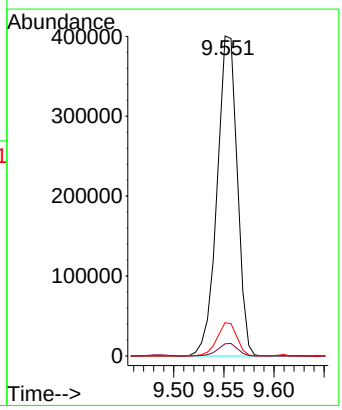


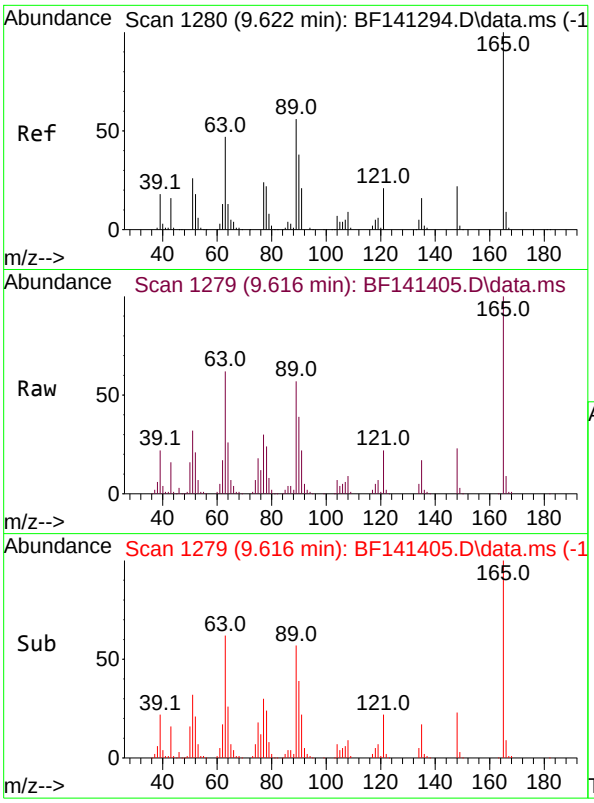




#50
Dimethylphthalate
Concen: 43.058 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:163 Resp: 559047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.6 |
| 164 | 10.4 | 8.0 | 12.0 |



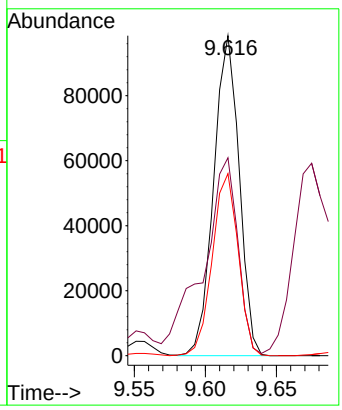


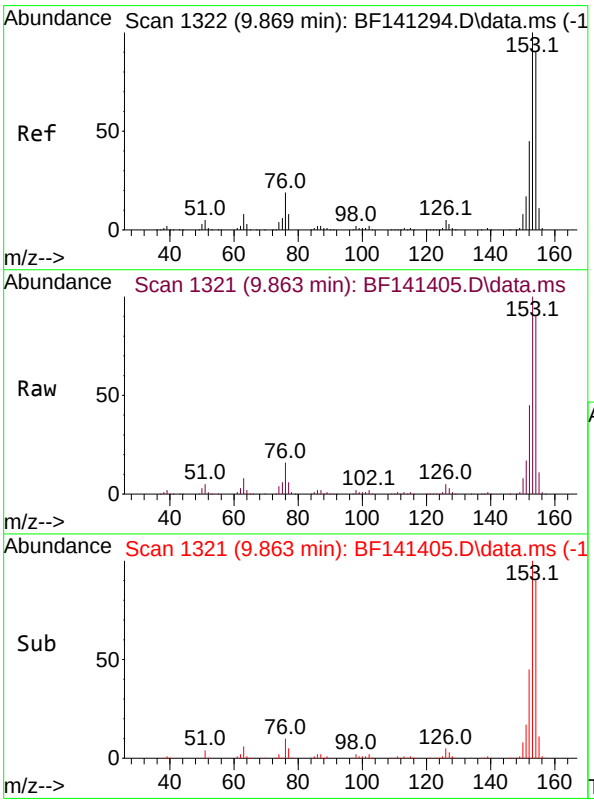

#51
2,6-Dinitrotoluene
Concen: 40.738 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:165 Resp: 122811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.9 | 48.1 | 72.1 |
| 89 | 56.9 | 44.9 | 67.3 |

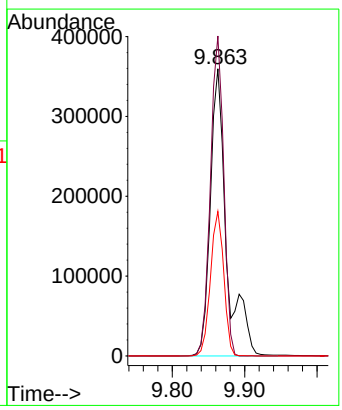


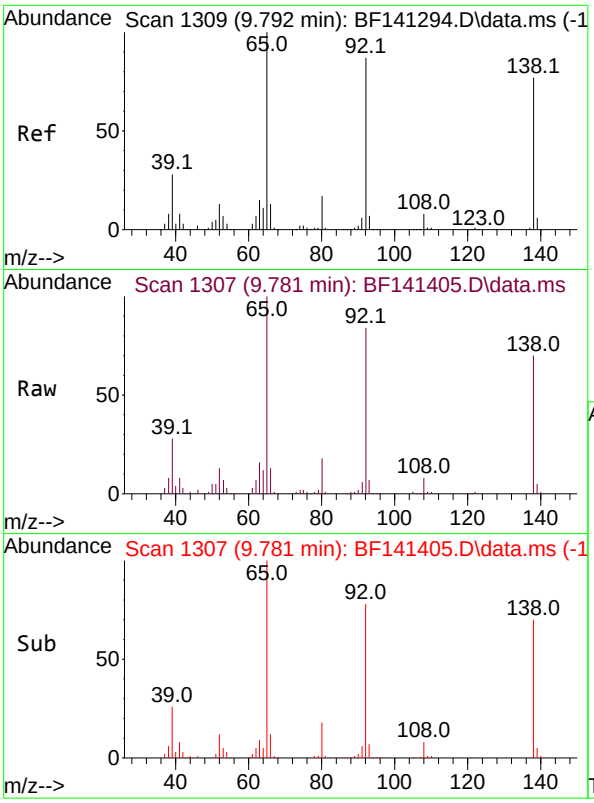




#52
Acenaphthene
Concen: 48.096 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:154 Resp: 562051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.4 | 89.0 | 133.4 |
| 152 | 50.3 | 40.2 | 60.4 |



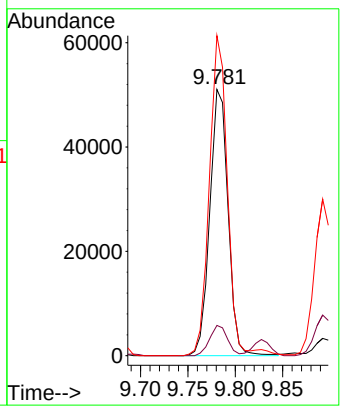


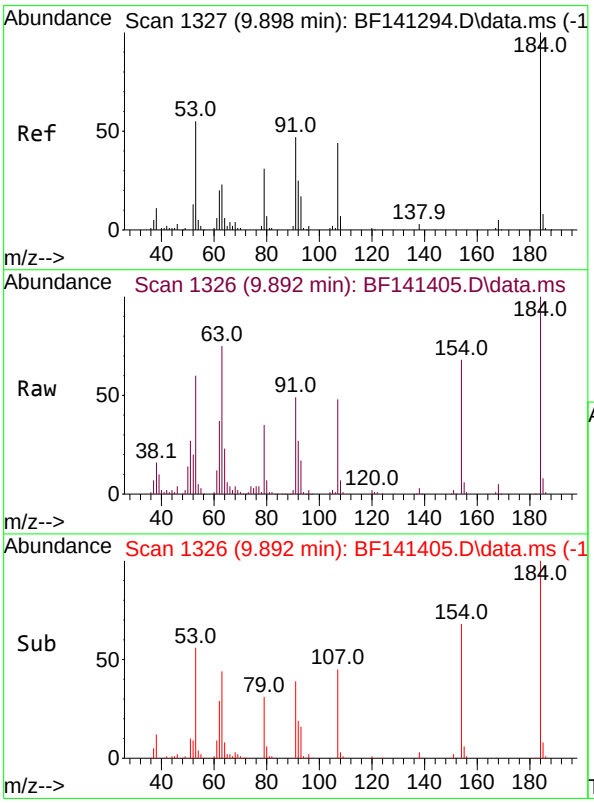

#53
3-Nitroaniline
Concen: 23.152 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:138 Resp: 68407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.4 | 8.6 | 12.8 |
| 92 | 120.2 | 91.0 | 136.6 |

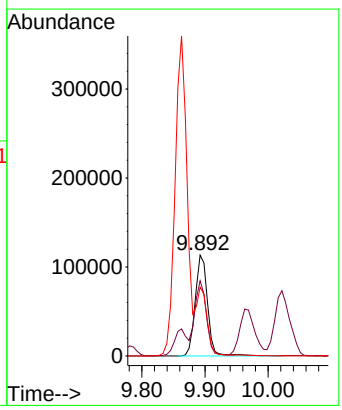


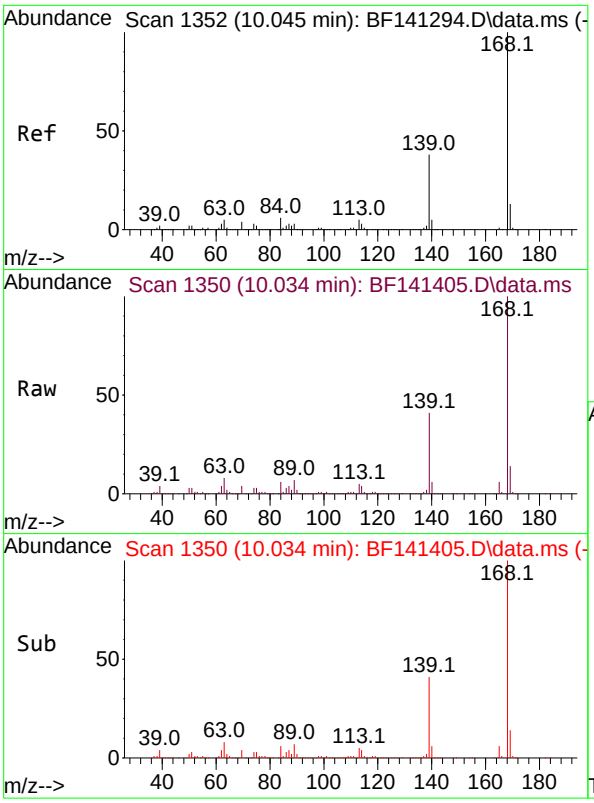




#54
2,4-Dinitrophenol
Concen: 110.036 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:184 Resp: 154202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 74.7 | 54.1 | 81.1 |
| 154 | 68.3 | 50.7 | 76.1 |



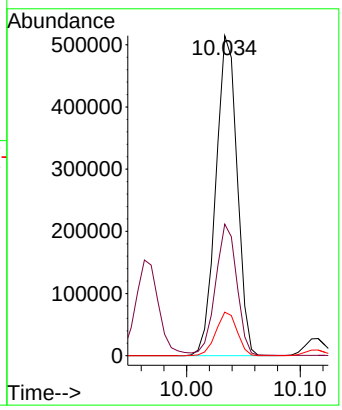


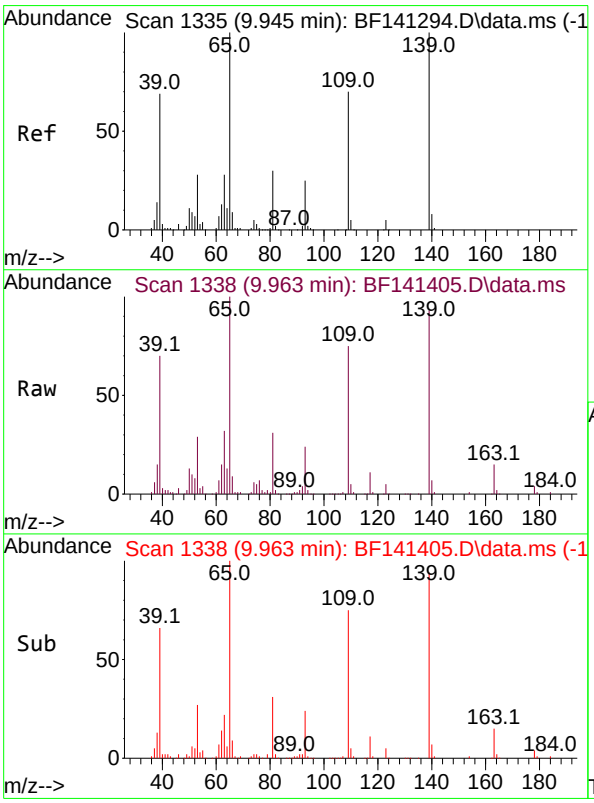

#55
Dibenzofuran
Concen: 42.889 ng
RT: 10.034 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:168 Resp: 670888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.1 | 30.6 | 46.0 |
| 169 | 13.6 | 10.8 | 16.2 |

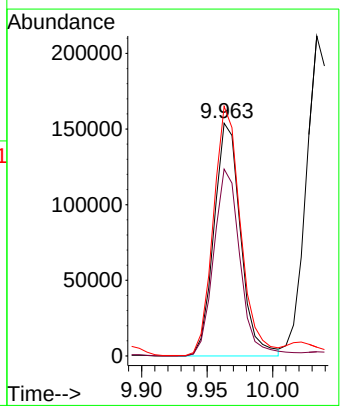


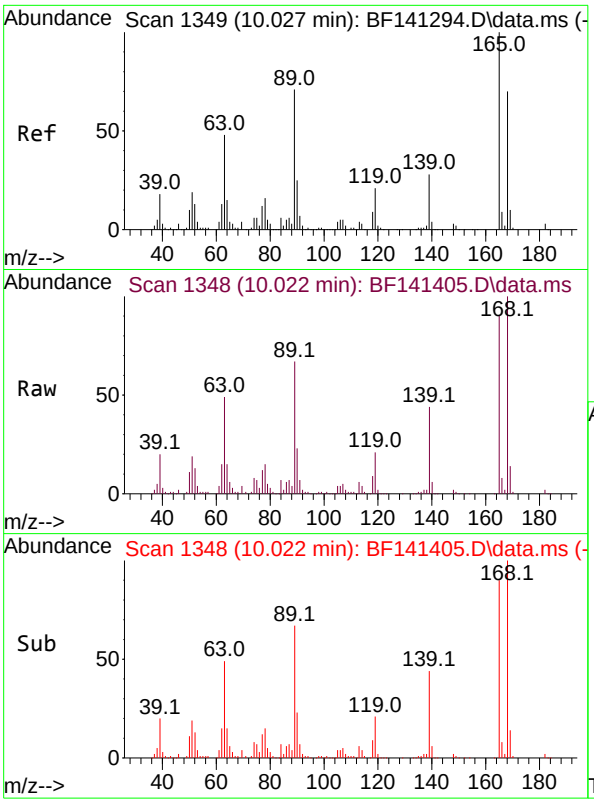




#56
4-Nitrophenol
Concen: 100.375 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:139 Resp: 216899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 80.3 | 50.2 | 90.2 |
| 65 | 107.2 | 80.6 | 120.6 |



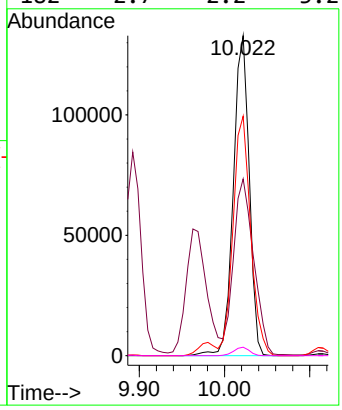


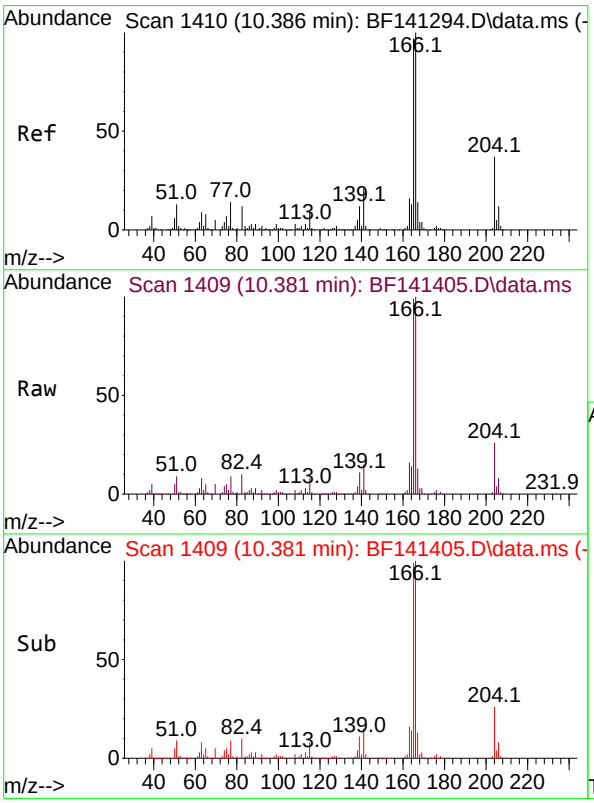

#57
2,4-Dinitrotoluene
Concen: 44.078 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:165 Resp: 172043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 55.2 | 39.2 | 58.8 |
| 89 | 74.8 | 56.9 | 85.3 |
| 182 | 2.7 | 2.2 | 3.2 |

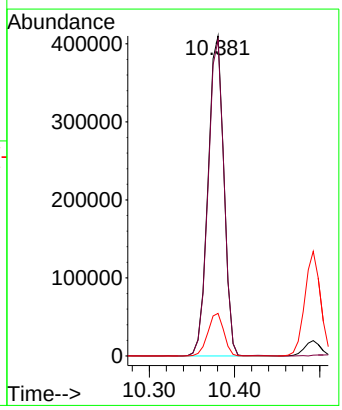


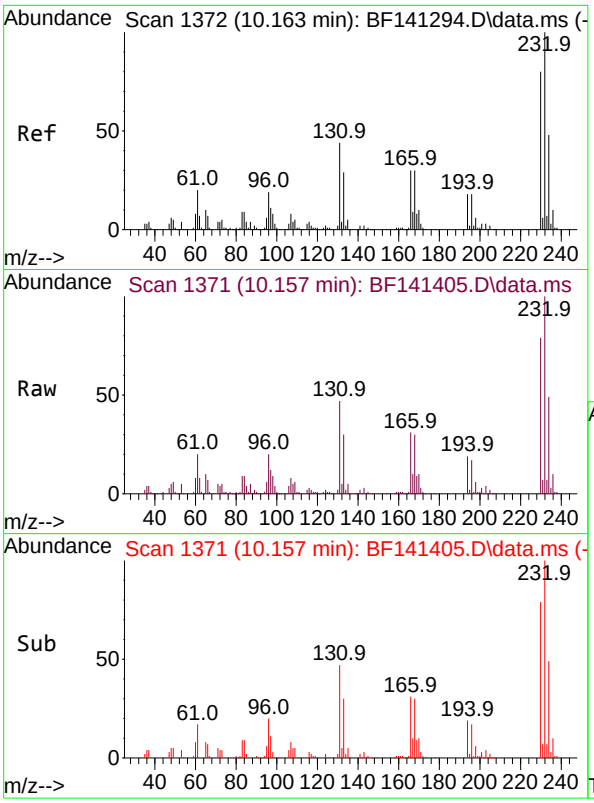




#58
Fluorene
Concen: 43.624 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:166 Resp: 529308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.7 | 77.5 | 116.3 |
| 167 | 13.3 | 10.9 | 16.3 |



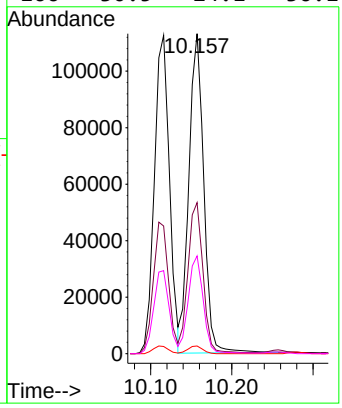


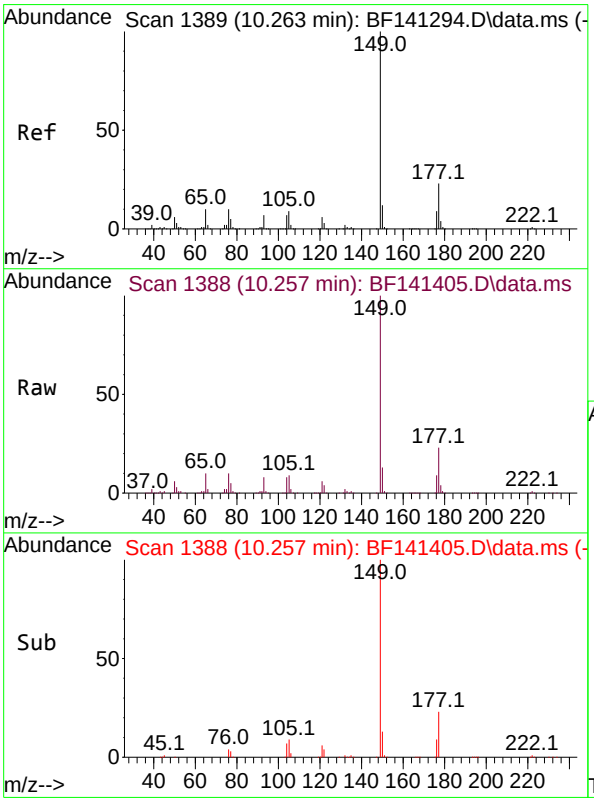

#59
2,3,4,6-Tetrachlorophenol
Concen: 47.020 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:232 Resp: 144118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 47.8 | 36.4 | 54.6 |
| 130 | 2.4 | 1.9 | 2.9 |
| 166 | 30.5 | 24.1 | 36.1 |

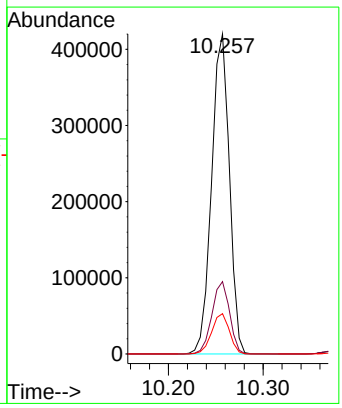


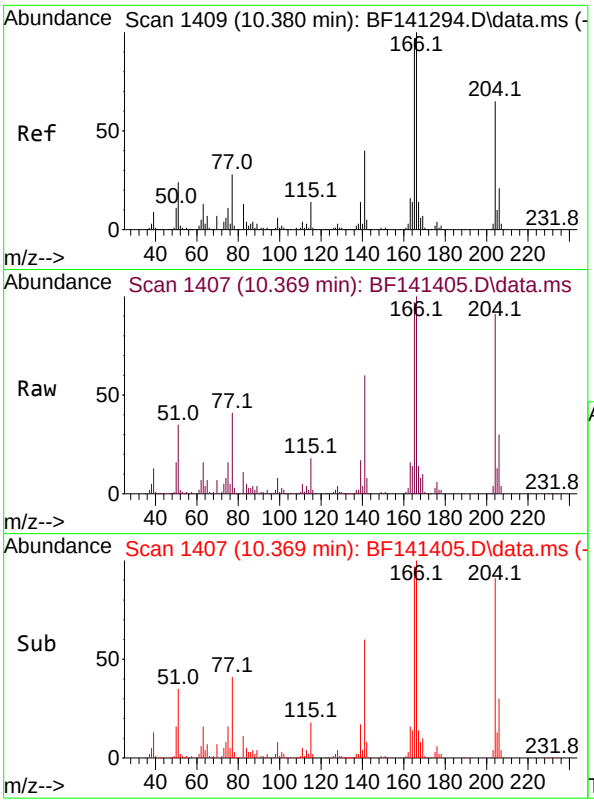




#60
Diethylphthalate
Concen: 43.426 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:149 Resp: 546694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.6 | 18.5 | 27.7 |
| 150 | 12.6 | 10.0 | 15.0 |



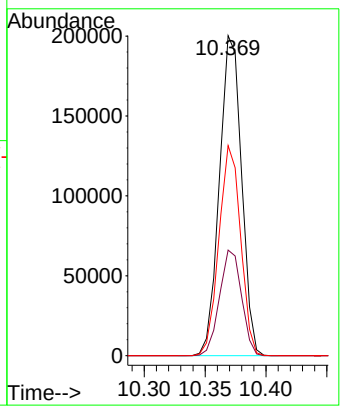


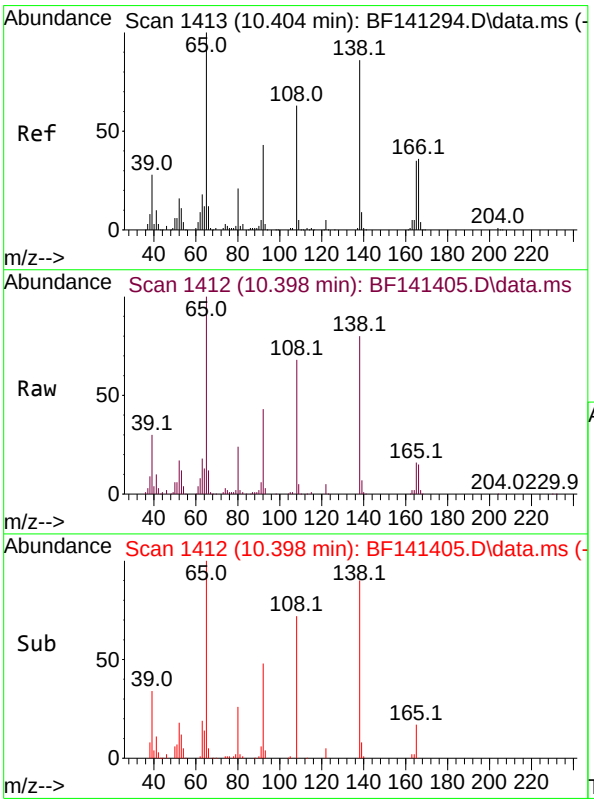

#61
4-Chlorophenyl-phenylether
Concen: 42.731 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:204 Resp: 253263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.0 | 25.9 | 38.9 |
| 141 | 65.7 | 49.5 | 74.3 |

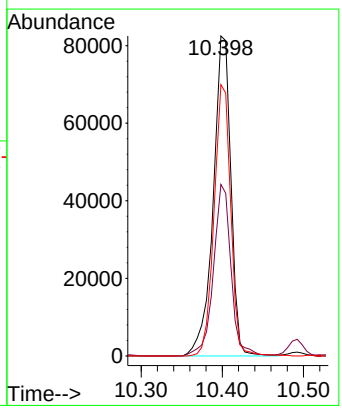


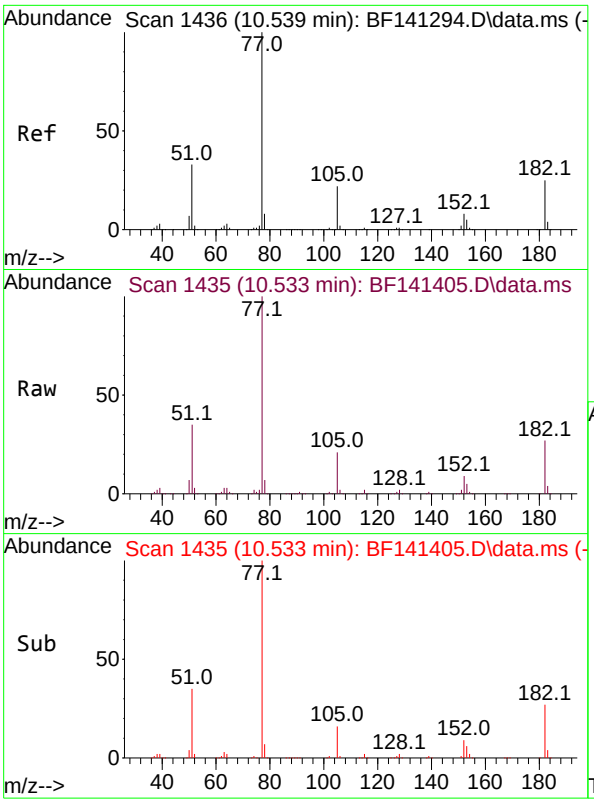




#62
4-Nitroaniline
Concen: 43.079 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:138 Resp: 125138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 53.6 | 30.1 | 70.1 |
| 108 | 84.8 | 53.1 | 93.1 |



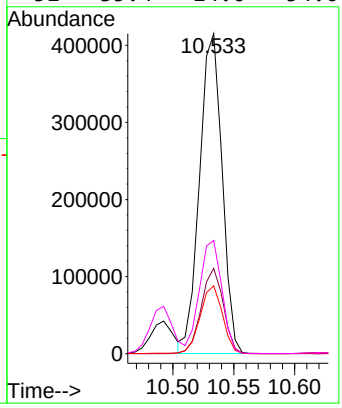


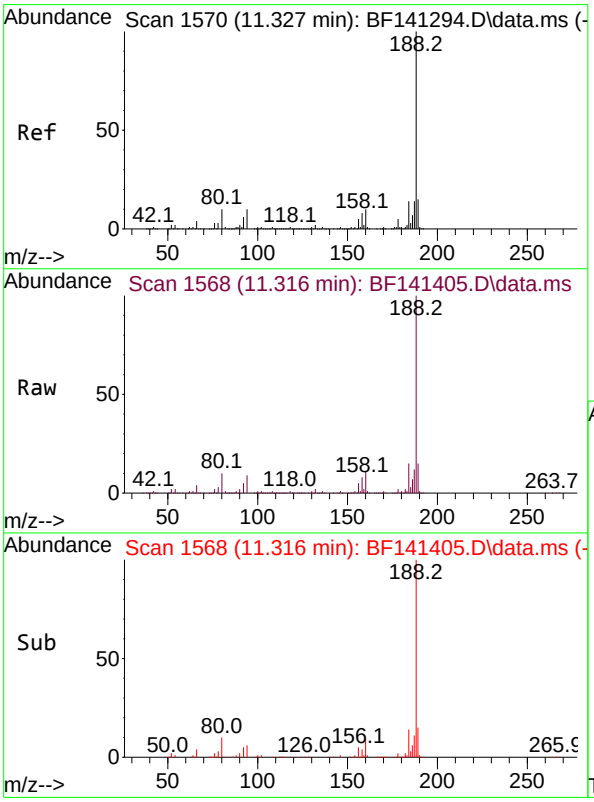

#63
Azobenzene
Concen: 42.436 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion: 77 Resp: 534762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.7 | 5.1 | 45.1 |
| 105 | 21.2 | 1.8 | 41.8 |
| 51 | 35.4 | 14.0 | 54.0 |

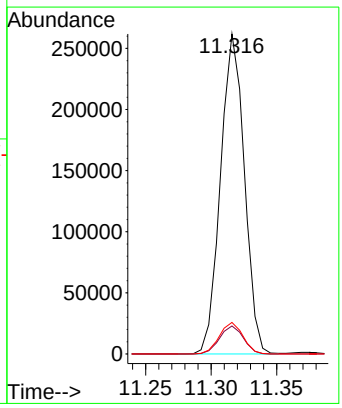


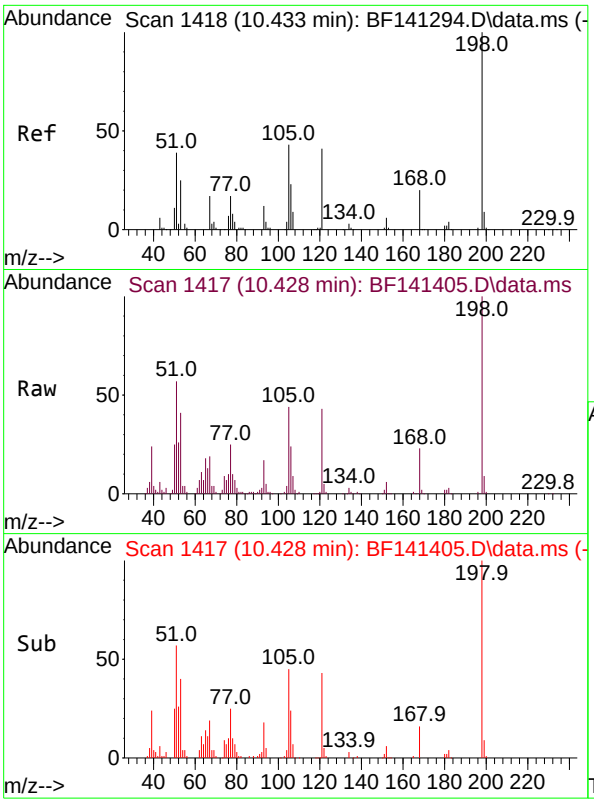




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:188 Resp: 331523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.8 | 7.8 | 11.6 |
| 80 | 9.9 | 8.2 | 12.4 |



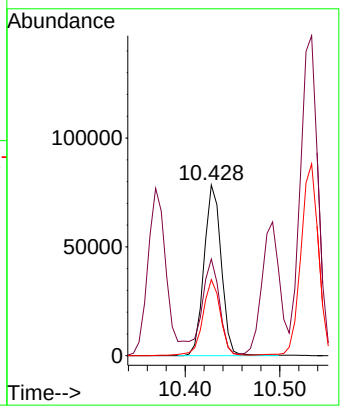


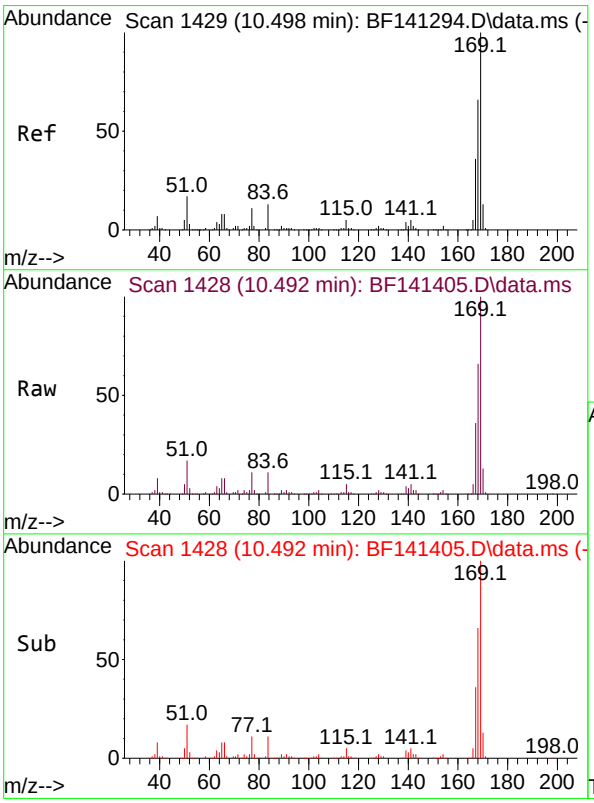

#65
4,6-Dinitro-2-methylphenol
Concen: 50.537 ng
RT: 10.428 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:198 Resp: 99101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 56.6 | 33.4 | 73.4 |
| 105 | 44.5 | 24.4 | 64.4 |

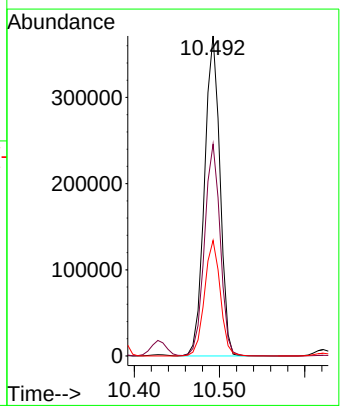


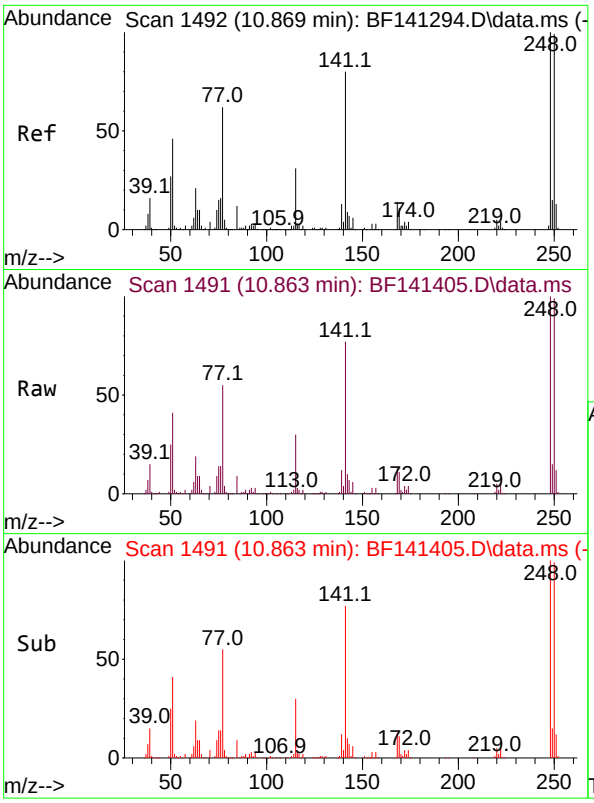




#66
n-Nitrosodiphenylamine
Concen: 43.605 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:169 Resp: 467566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.2 | 53.0 | 79.4 |
| 167 | 36.1 | 28.8 | 43.2 |



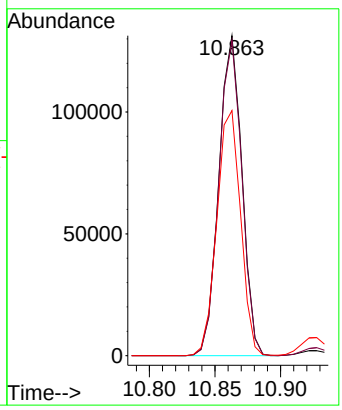


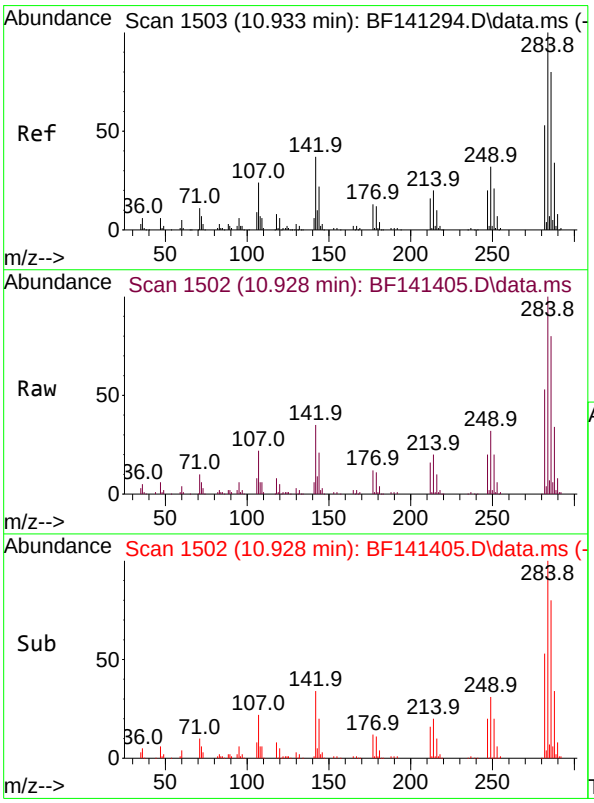

#67
4-Bromophenyl-phenylether
Concen: 43.292 ng
RT: 10.863 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:248 Resp: 160678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.5 | 79.0 | 118.4 |
| 141 | 76.6 | 63.7 | 95.5 |

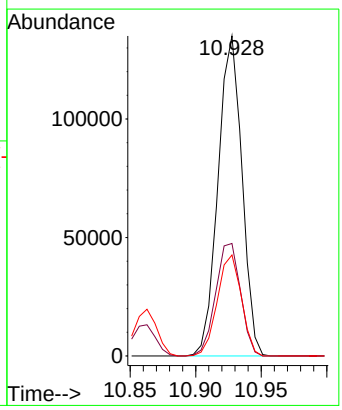


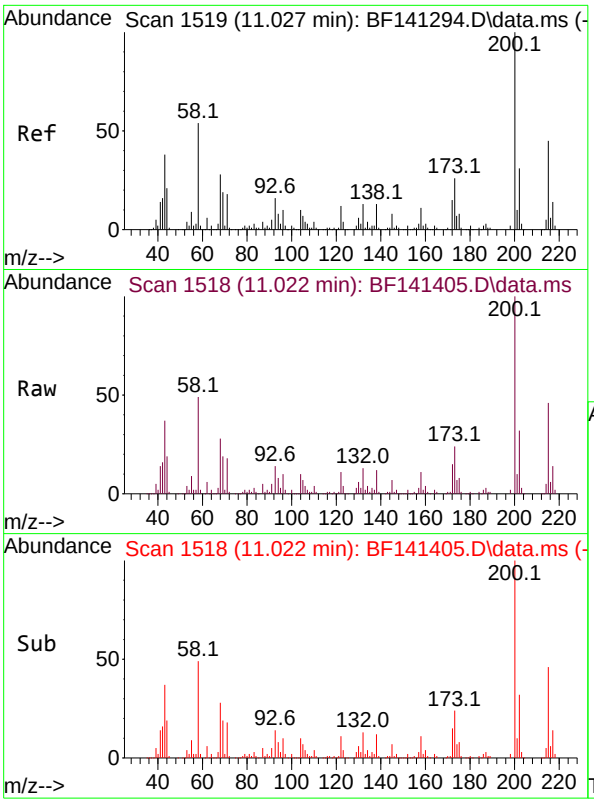




#68
Hexachlorobenzene
Concen: 43.467 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:284 Resp: 171129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 35.2 | 29.5 | 44.3 |
| 249 | 31.6 | 25.4 | 38.2 |



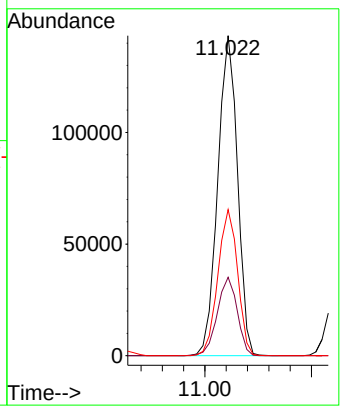


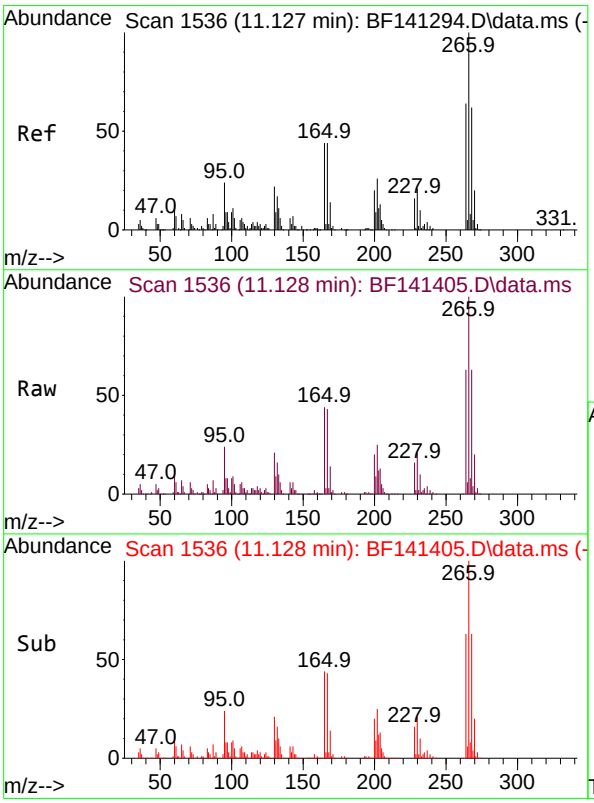

#69
Atrazine
Concen: 51.270 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:200 Resp: 183809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 24.5 | 5.9 | 45.9 |
| 215 | 45.6 | 25.2 | 65.2 |

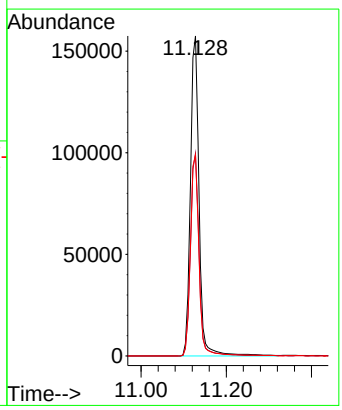


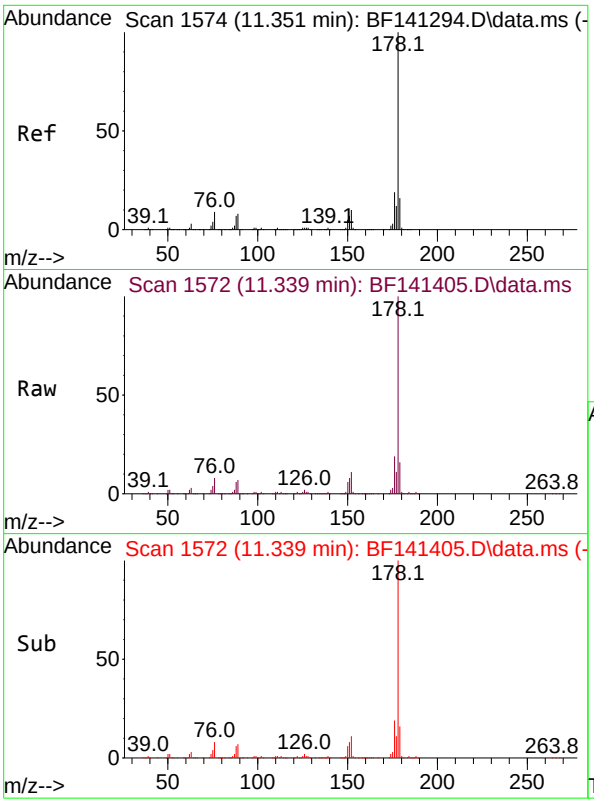




#70
Pentachlorophenol
Concen: 96.208 ng
RT: 11.128 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:266 Resp: 221801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.2 | 49.9 | 74.9 |
| 264 | 62.9 | 51.0 | 76.4 |



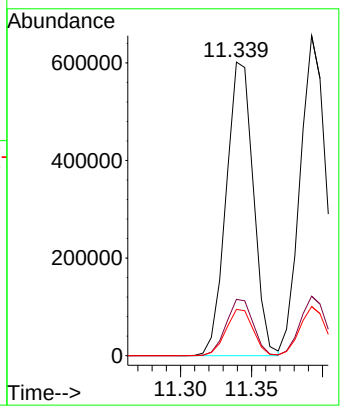


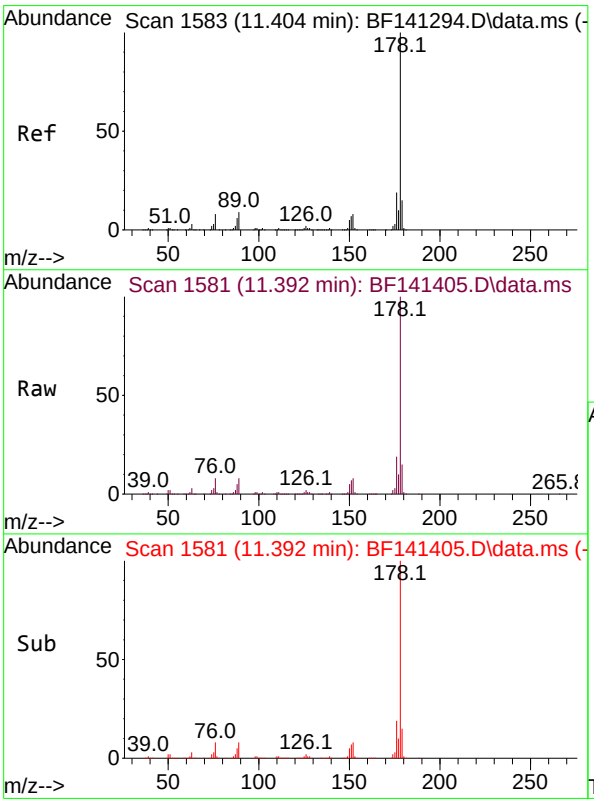

#71
Phenanthrene
Concen: 45.014 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:178 Resp: 802178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.3 | 22.9 |
| 179 | 15.8 | 12.5 | 18.7 |

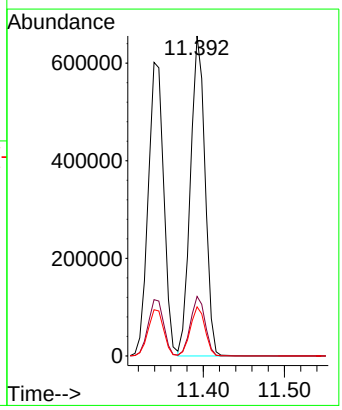


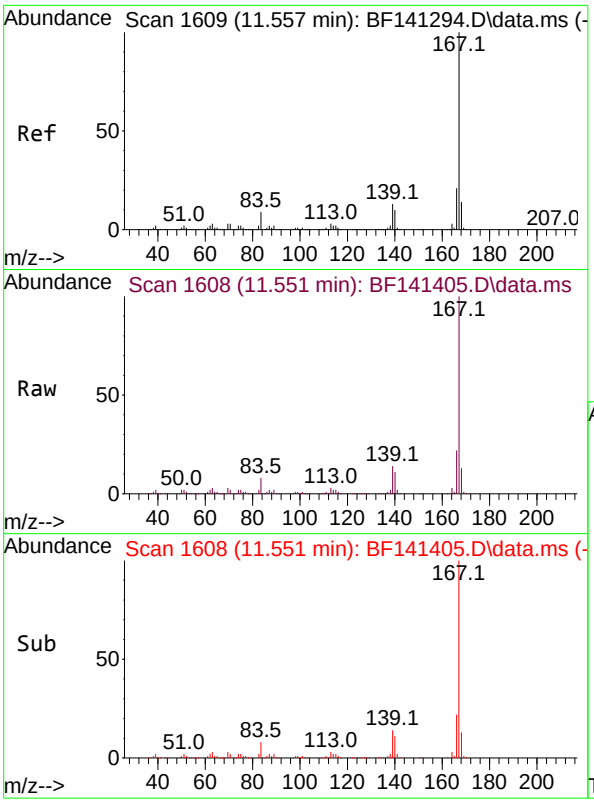




#72
Anthracene
Concen: 47.129 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:178 Resp: 822918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.0 | 22.6 |
| 179 | 15.3 | 12.3 | 18.5 |



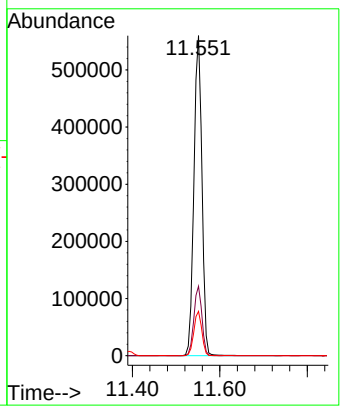


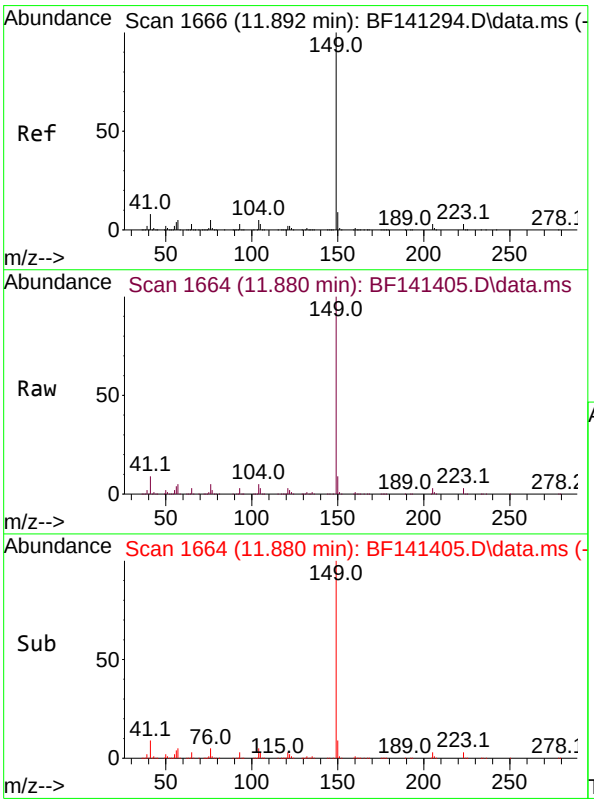

#73
Carbazole
Concen: 46.259 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:167 Resp: 716227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.7 | 17.0 | 25.6 |
| 139 | 13.9 | 10.6 | 16.0 |

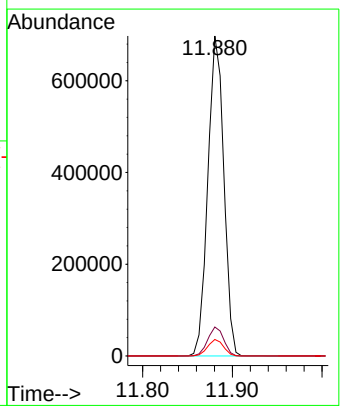


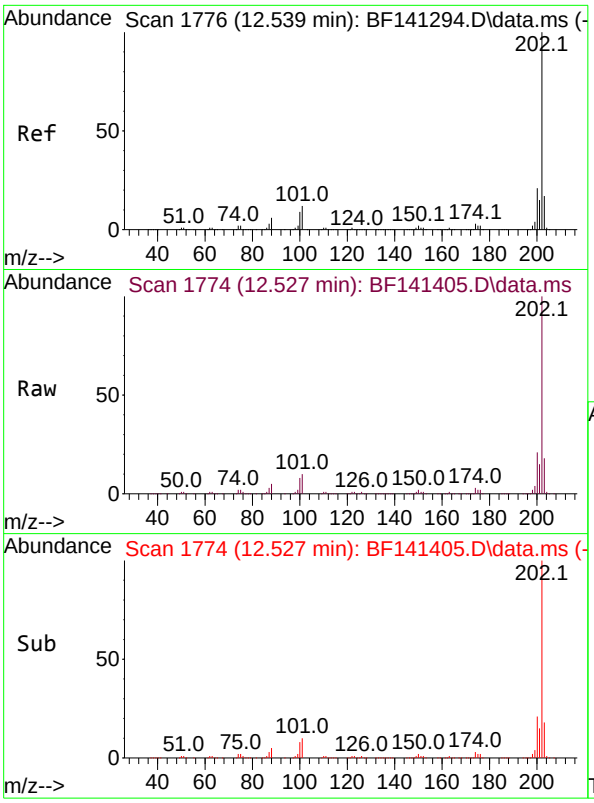




#74
Di-n-butylphthalate
Concen: 45.981 ng
RT: 11.880 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:149 Resp: 862780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.4 | 11.2 |
| 104 | 5.1 | 3.9 | 5.9 |



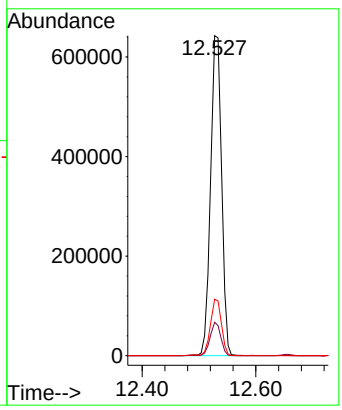


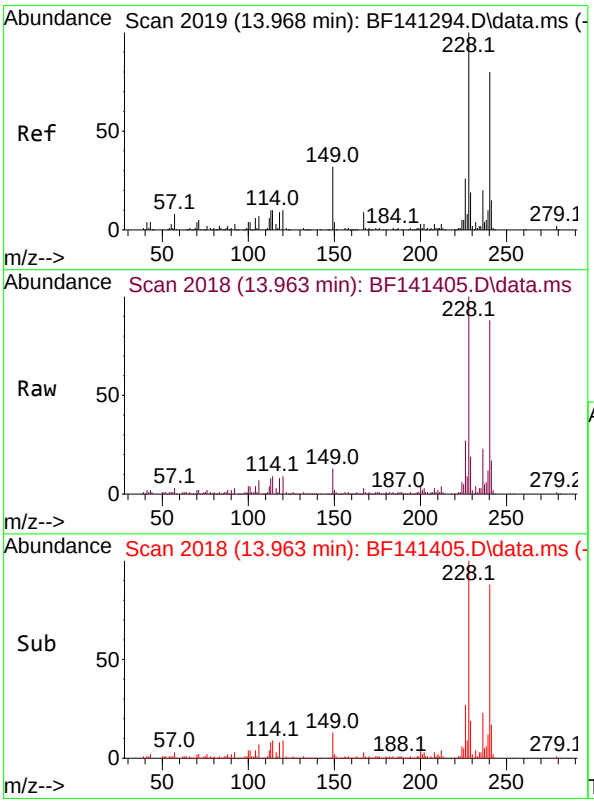

#75
Fluoranthene
Concen: 49.085 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:202 Resp: 863695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.4 | 0.0 | 31.7 |
| 203 | 17.7 | 0.0 | 37.5 |

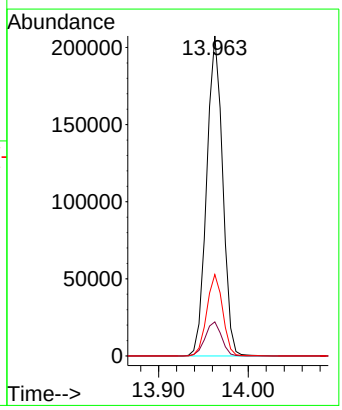


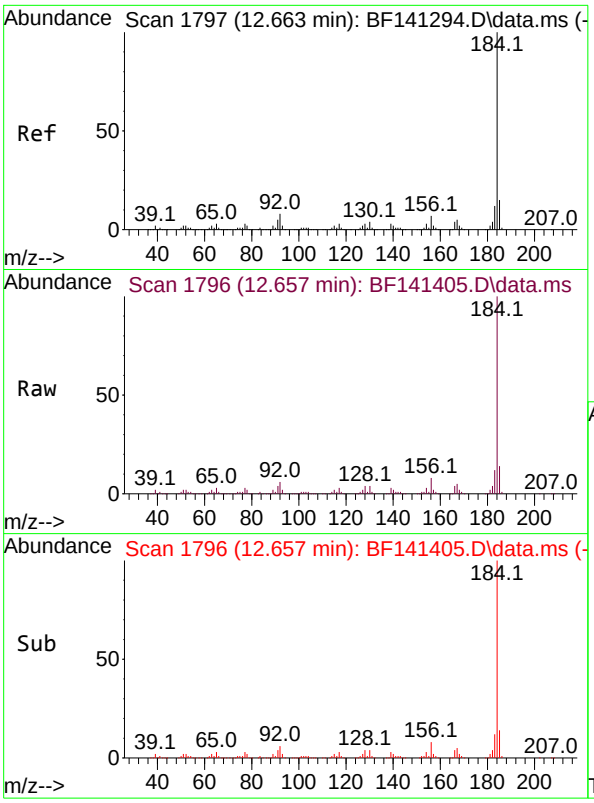




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:240 Resp: 256577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.6 | 10.0 | 15.0 |
| 236 | 25.4 | 19.7 | 29.5 |



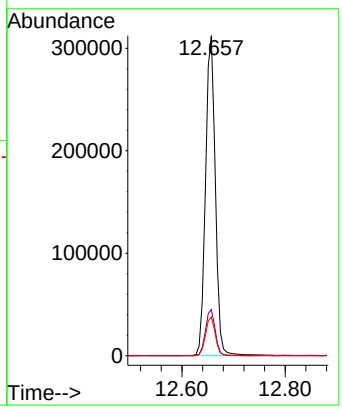


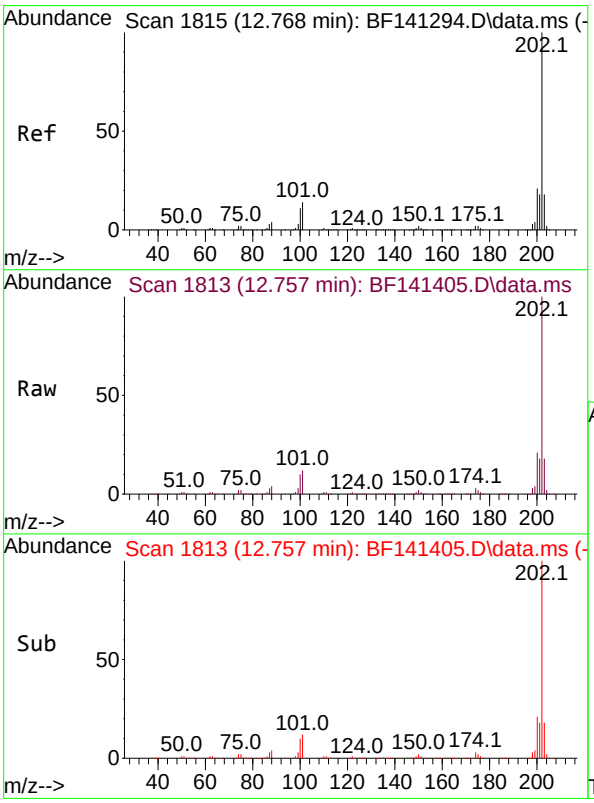

#77
Benzidine
Concen: 49.964 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:184 Resp: 410980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.4 | 11.9 | 17.9 |
| 183 | 12.1 | 9.5 | 14.3 |

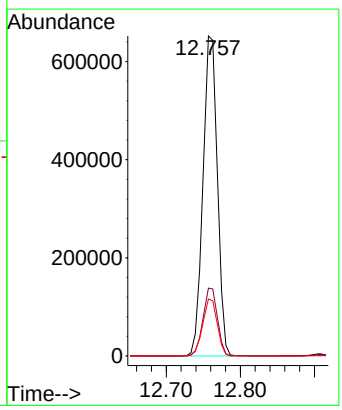


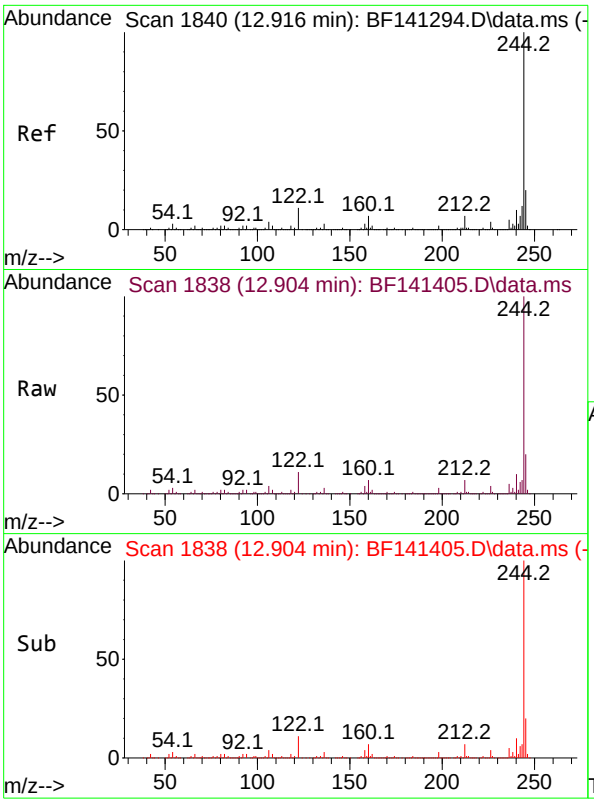




#78
Pyrene
Concen: 35.777 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:202 Resp: 881155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 17.0 | 25.4 |
| 203 | 17.8 | 14.3 | 21.5 |



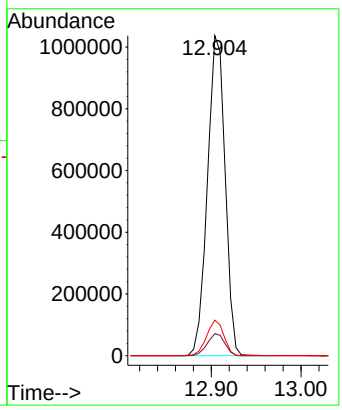


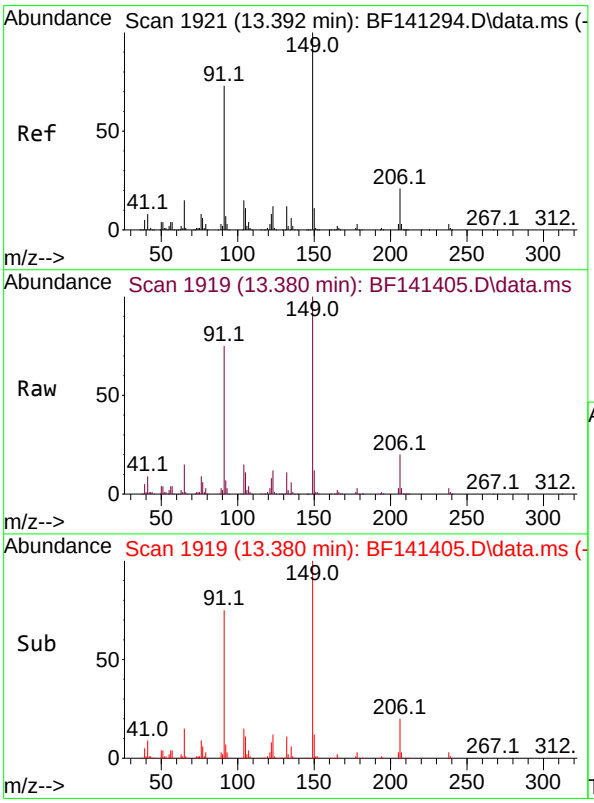

#79
Terphenyl-d14
Concen: 85.114 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:244 Resp: 1416066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.4 | 8.0 |
| 122 | 11.1 | 8.8 | 13.2 |

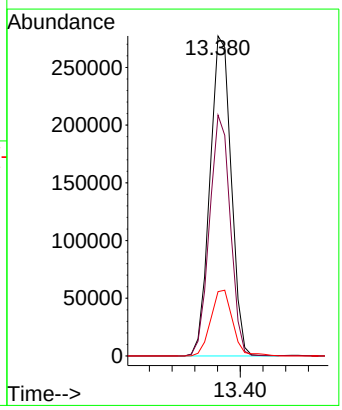


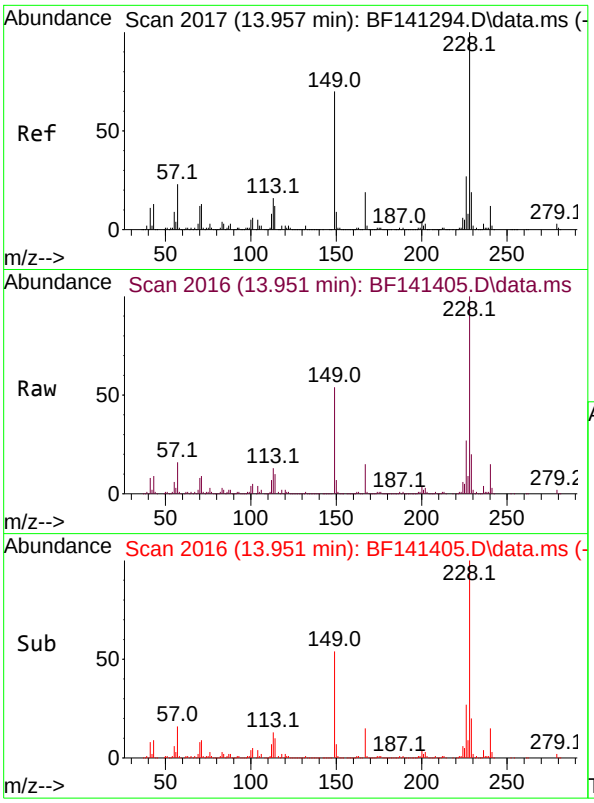




#80
Butylbenzylphthalate
Concen: 41.853 ng
RT: 13.380 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:149 Resp: 360119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 75.2 | 58.6 | 87.8 |
| 206 | 20.1 | 16.7 | 25.1 |



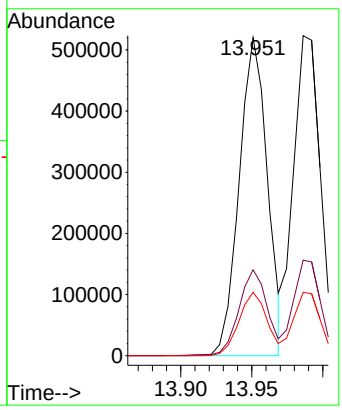


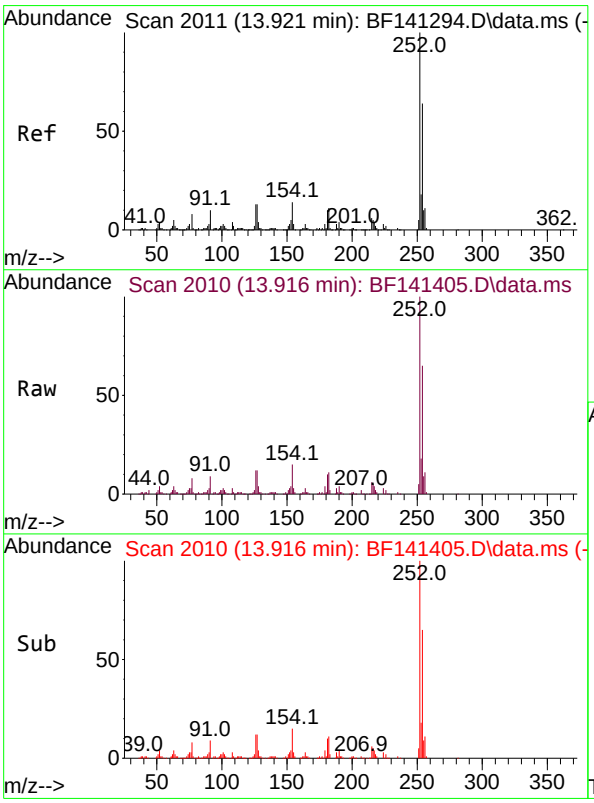

#81
Benzo(a)anthracene
Concen: 40.491 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:228 Resp: 716906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.0 | 21.4 | 32.2 |
| 229 | 19.9 | 15.5 | 23.3 |

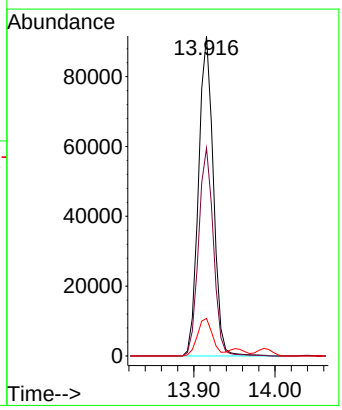


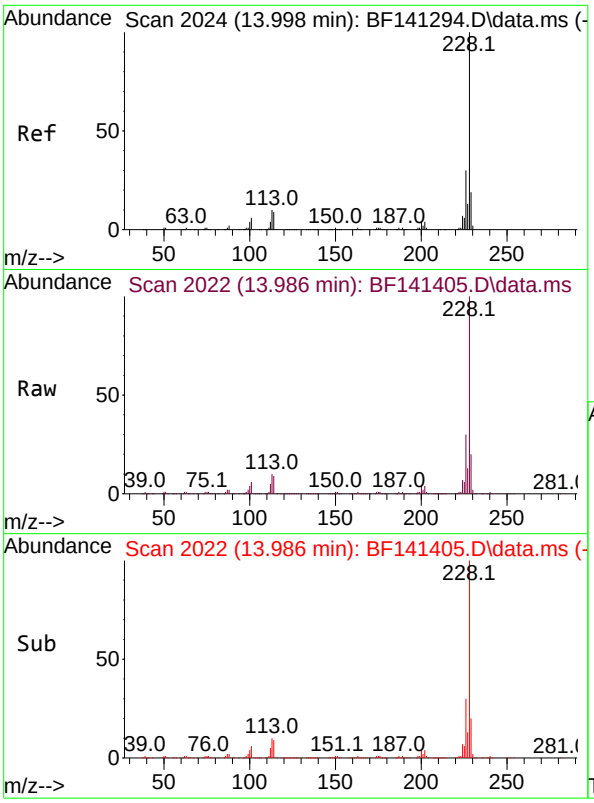




#82
3,3'-Dichlorobenzidine
Concen: 20.593 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:252 Resp: 115963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.0 | 51.3 | 76.9 |
| 126 | 11.7 | 10.0 | 15.0 |



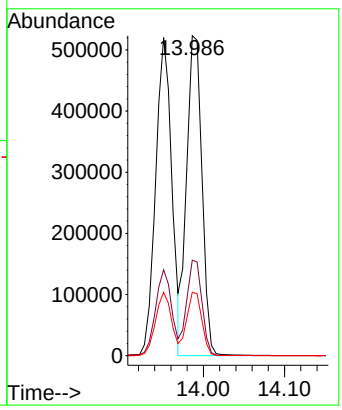


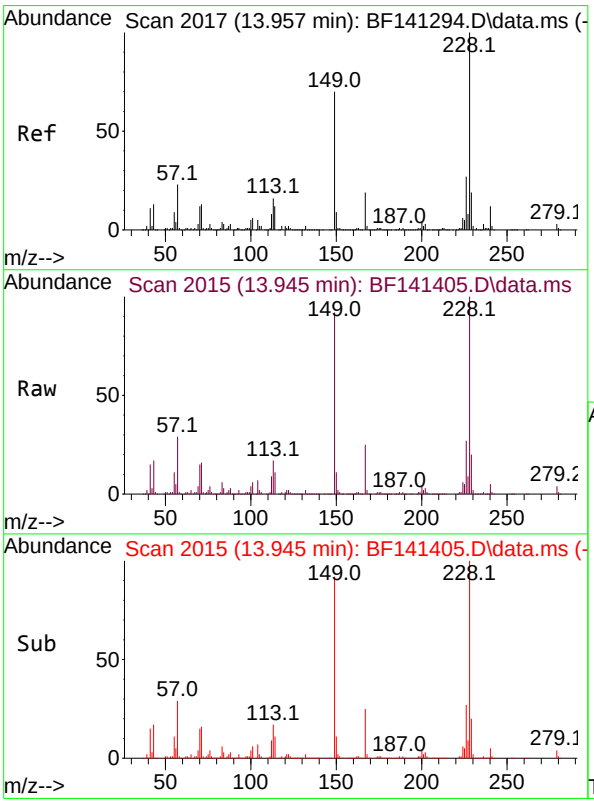

#83
Chrysene
Concen: 42.465 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:228 Resp: 689060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 24.1 | 36.1 |
| 229 | 19.8 | 15.6 | 23.4 |

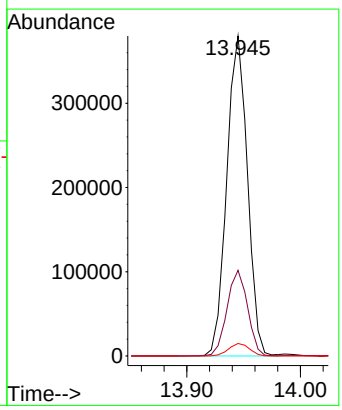


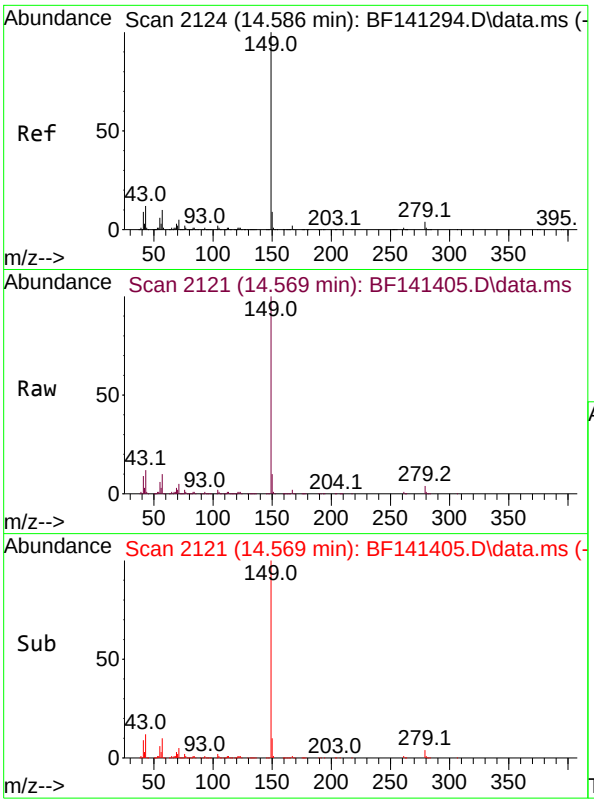




#84
Bis(2-ethylhexyl)phthalate
Concen: 44.032 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:149 Resp: 480602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.8 | 21.8 | 32.8 |
| 279 | 3.9 | 3.3 | 4.9 |



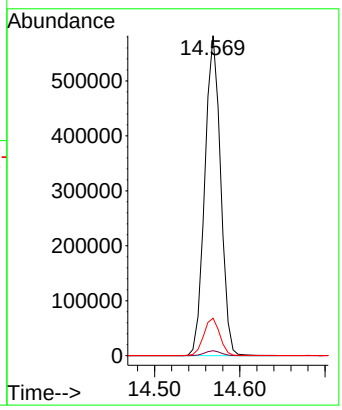


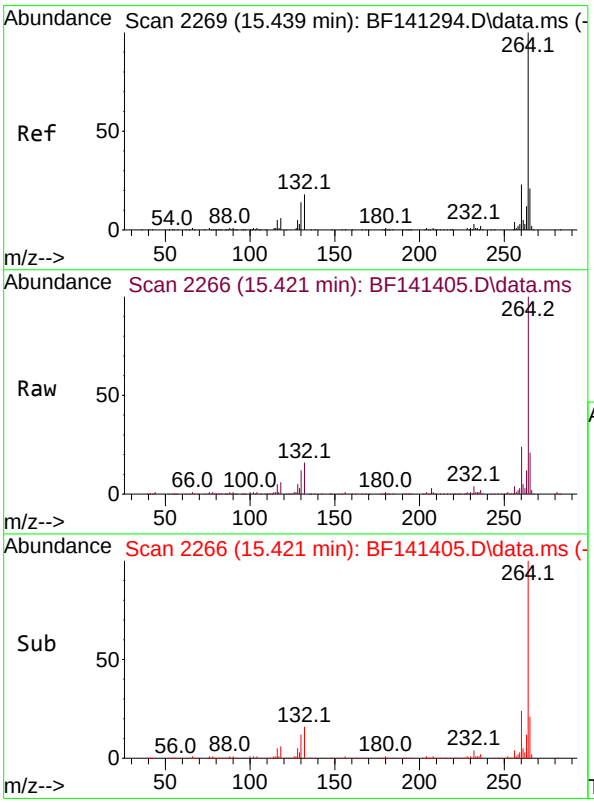

#85
Di-n-octyl phthalate
Concen: 44.271 ng
RT: 14.569 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:149 Resp: 750526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 11.8 | 9.8 | 14.8 |

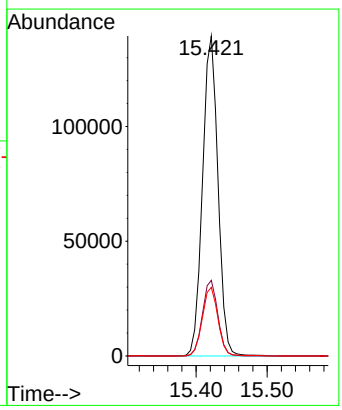


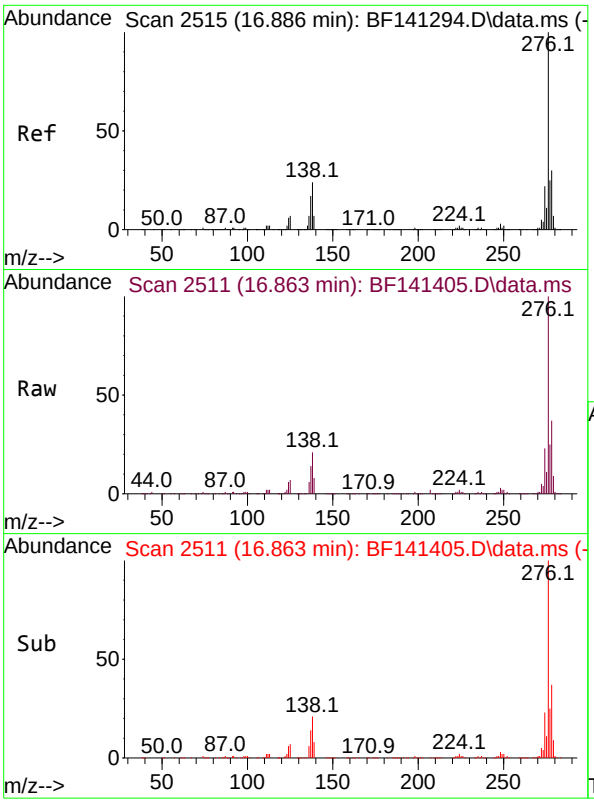




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:264 Resp: 210910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.6 | 27.8 |
| 265 | 21.4 | 16.7 | 25.1 |



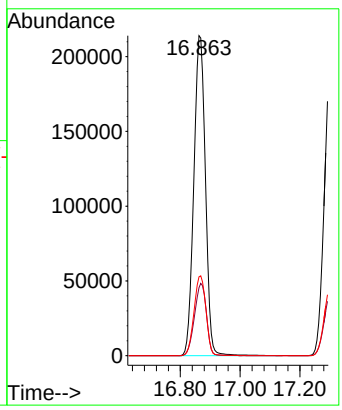


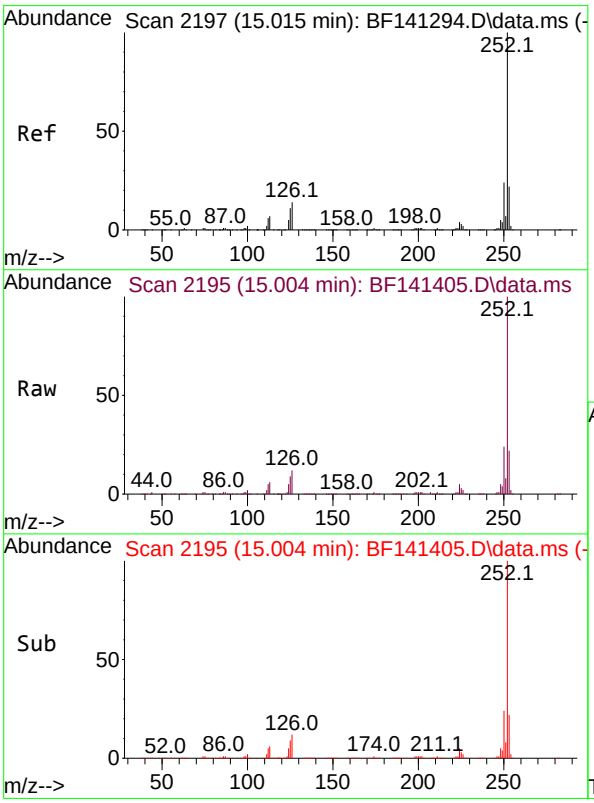

#87
Indeno(1,2,3-cd)pyrene
Concen: 42.245 ng
RT: 16.863 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:276 Resp: 575069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.2 | 21.7 | 32.5 |
| 277 | 25.6 | 20.3 | 30.5 |

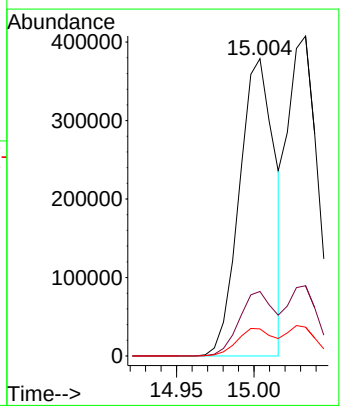


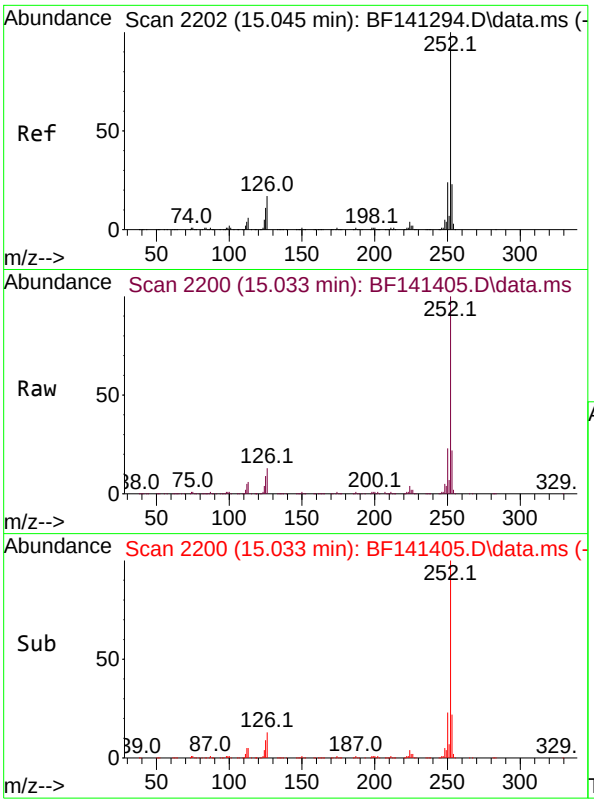




#88
Benzo(b)fluoranthene
Concen: 45.076 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:252 Resp: 598008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.4 | 26.2 |
| 125 | 9.1 | 8.6 | 12.8 |



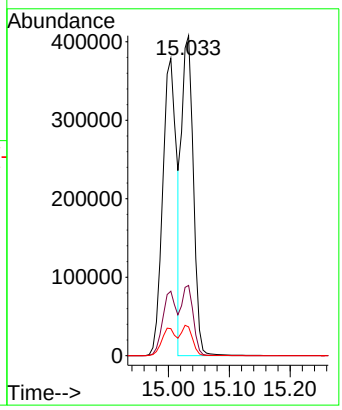


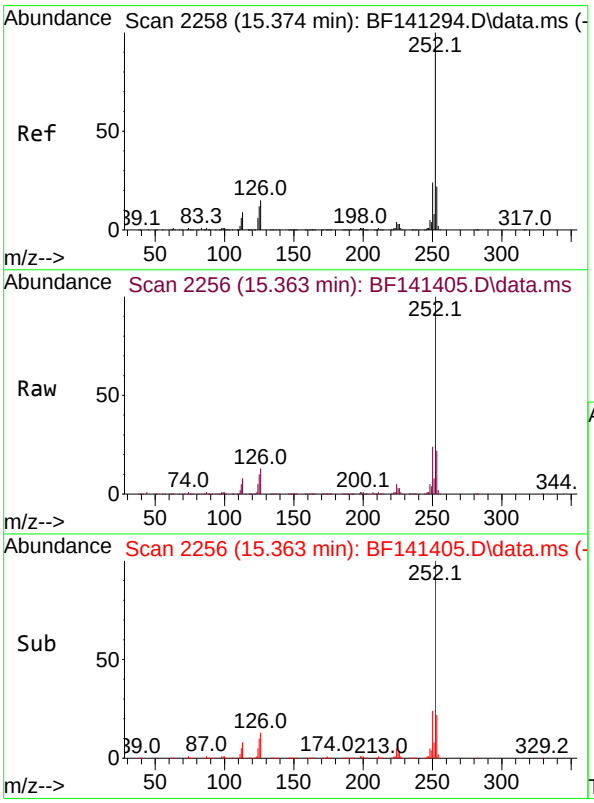

#89
Benzo(k)fluoranthene
Concen: 46.408 ng
RT: 15.033 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:252 Resp: 545420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.6 | 26.4 |
| 125 | 9.0 | 8.4 | 12.6 |

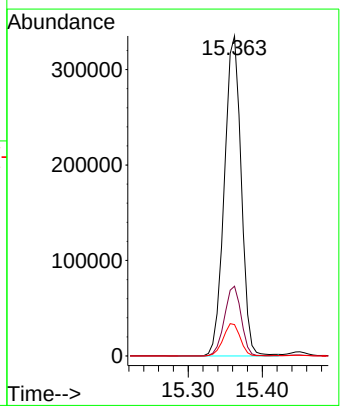


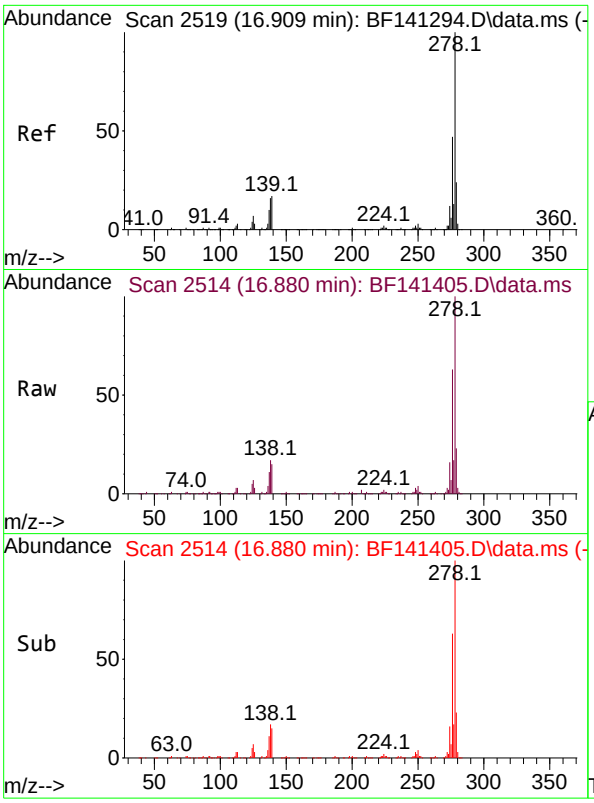




#90
Benzo(a)pyrene
Concen: 47.160 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:252 Resp: 528708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.2 | 25.8 |
| 125 | 9.8 | 9.4 | 14.2 |



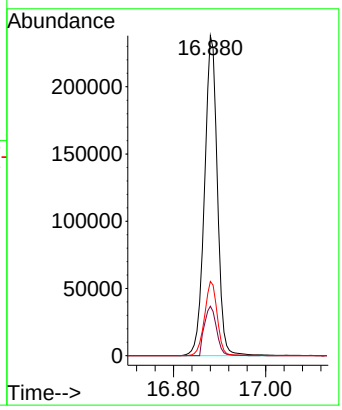


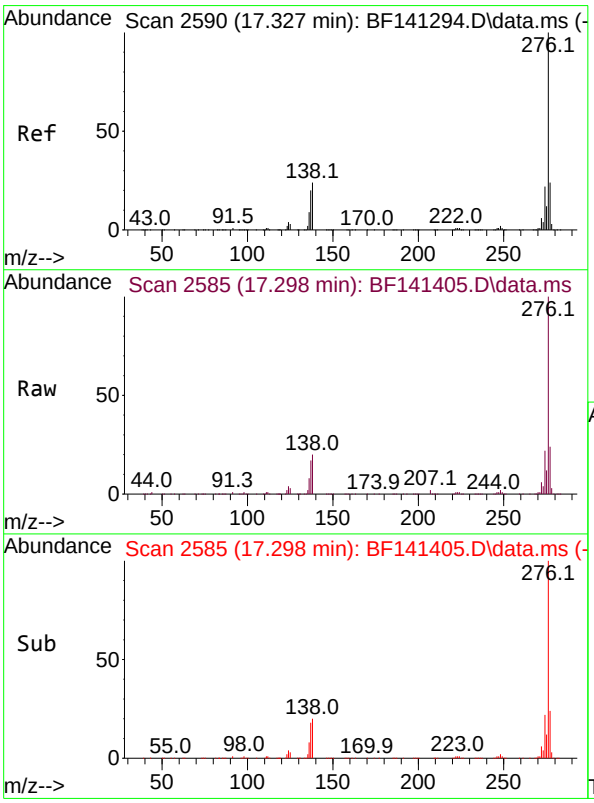

#91
Dibenzo(a,h)anthracene
Concen: 42.293 ng
RT: 16.880 min Scan# 2
Delta R.T. -0.041 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB166360BS

Tgt Ion:278 Resp: 463193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.5 | 13.9 | 20.9 |
| 279 | 23.2 | 18.8 | 28.2 |

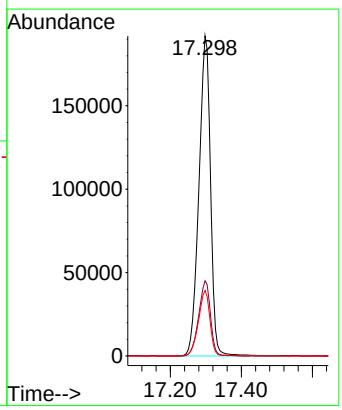



#92
Benzo(g,h,i)perylene
Concen: 38.340 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:276 Resp: 436604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.5 | 19.2 | 28.8 |
| 138 | 20.4 | 19.0 | 28.4 |



Raw Data: **BF141573.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-29.1-012825MS | SDG No.: | Q1216 |
| Lab Sample ID: | Q1215-03MS | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 88.8 |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141573.D | 1 | 01/30/25 09:15 | 02/11/25 20:11 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 2200 | | 200 | 370 | ug/Kg |
| 108-95-2 | Phenol | 1700 | | 93.2 | 190 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 1800 | | 94.1 | 190 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 1700 | | 93.8 | 190 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 1700 | | 90.6 | 190 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 1700 | | 100 | 190 | ug/Kg |
| 98-86-2 | Acetophenone | 2000 | | 97.7 | 190 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 1700 | | 89.7 | 370 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1700 | | 45.3 | 89.9 | ug/Kg |
| 67-72-1 | Hexachloroethane | 1700 | | 93.3 | 190 | ug/Kg |
| 98-95-3 | Nitrobenzene | 1700 | | 100 | 190 | ug/Kg |
| 78-59-1 | Isophorone | 1900 | | 95.1 | 190 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 1800 | | 110 | 190 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 2200 | | 100 | 190 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1800 | | 96.4 | 190 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 1700 | | 84.9 | 190 | ug/Kg |
| 91-20-3 | Naphthalene | 1800 | | 92.8 | 190 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 380 | | 92.8 | 190 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 1900 | | 93.6 | 190 | ug/Kg |
| 105-60-2 | Caprolactam | 1900 | | 97.6 | 370 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 1600 | | 87.1 | 190 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 1700 | | 92.7 | 190 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 2100 | | 180 | 370 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 1800 | | 80.2 | 190 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 1700 | | 83.2 | 190 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 2000 | | 98.2 | 190 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 1800 | | 93.6 | 190 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 1800 | | 110 | 190 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 1800 | | 91.8 | 190 | ug/Kg |

Raw Data: **BF141573.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-29.1-012825MS | SDG No.: | Q1216 |
| Lab Sample ID: | Q1215-03MS | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 88.8 |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141573.D | 1 | 01/30/25 09:15 | 02/11/25 20:11 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 1800 | | 97.2 | 190 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 1800 | | 93.5 | 190 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 820 | | 100 | 190 | ug/Kg |
| 83-32-9 | Acenaphthene | 1800 | | 91.1 | 190 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 1900 | | 270 | 370 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 3200 | E | 130 | 370 | ug/Kg |
| 132-64-9 | Dibenzofuran | 1700 | | 94.9 | 190 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 1700 | | 96.9 | 190 | ug/Kg |
| 84-66-2 | Diethylphthalate | 1700 | | 90.0 | 190 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1700 | | 96.2 | 190 | ug/Kg |
| 86-73-7 | Fluorene | 1700 | | 96.1 | 190 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 1300 | | 120 | 190 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1200 | | 130 | 370 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 2000 | | 91.7 | 190 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 1900 | | 88.7 | 190 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 1900 | | 95.5 | 190 | ug/Kg |
| 1912-24-9 | Atrazine | 2500 | | 100 | 190 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 3100 | E | 86.9 | 370 | ug/Kg |
| 85-01-8 | Phenanthrene | 2700 | | 94.4 | 190 | ug/Kg |
| 120-12-7 | Anthracene | 2000 | | 94.9 | 190 | ug/Kg |
| 86-74-8 | Carbazole | 1800 | | 90.2 | 190 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 1900 | | 94.7 | 190 | ug/Kg |
| 206-44-0 | Fluoranthene | 3300 | E | 91.8 | 190 | ug/Kg |
| 129-00-0 | Pyrene | 2900 | | 93.3 | 190 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 1900 | | 110 | 190 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 1200 | | 110 | 370 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 2800 | | 90.7 | 190 | ug/Kg |
| 218-01-9 | Chrysene | 2600 | | 89.3 | 190 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 2200 | | 100 | 190 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 2700 | | 120 | 370 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 2900 | | 91.1 | 190 | ug/Kg |

Raw Data: **BF141573.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-29.1-012825MS | SDG No.: | Q1216 |
| Lab Sample ID: | Q1215-03MS | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 88.8 |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141573.D | 1 | 01/30/25 09:15 | 02/11/25 20:11 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 2200 | | 92.8 | 190 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 2800 | | 100 | 190 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1900 | | 87.8 | 190 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 1600 | | 91.3 | 190 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 1800 | | 90.0 | 190 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 2000 | | 97.6 | 190 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 1800 | | 120 | 190 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 1600 | | 84.0 | 190 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 96.4 | | 18 - 112 | 64% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 92.7 | | 15 - 107 | 62% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 72.2 | | 18 - 107 | 72% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 73.2 | | 20 - 109 | 73% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 90.2 | | 10 - 116 | 60% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 59.0 | | 10 - 105 | 59% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 77600 | 6.787 | | | |
| 1146-65-2 | Naphthalene-d8 | 287000 | 8.069 | | | |
| 15067-26-2 | Acenaphthene-d10 | 146000 | 9.822 | | | |
| 1517-22-2 | Phenanthrene-d10 | 214000 | 11.31 | | | |
| 1719-03-5 | Chrysene-d12 | 167000 | 13.957 | | | |
| 1520-96-3 | Perylene-d12 | 163000 | 15.404 | | | |

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141573.D
Acq On : 11 Feb 2025 20:11
Operator : RC/JU
Sample : Q1215-03MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Quant Time: Feb 12 00:08:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.787 | 152 | 77607 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.069 | 136 | 287166 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.822 | 164 | 145781 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.310 | 188 | 213944 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.957 | 240 | 166810 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.404 | 264 | 163116 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.416 | 112 | 477086 | 96.376 | ng | | 0.00 |
| 7) Phenol-d6 | 6.428 | 99 | 580198 | 92.732 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.351 | 82 | 397558 | 72.209 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.616 | 330 | 132136 | 90.230 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.145 | 172 | 692418 | 73.176 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.892 | 244 | 583318 | 59.034 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.557 | 88 | 97239 | 48.806 | ng | | 99 |
| 3) Pyridine | 3.287 | 79 | 206639 | 43.585 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.234 | 42 | 140096 | 44.627 | ng | | 97 |
| 6) Aniline | 6.451 | 93 | 103301 | 17.601 | ng | # | 51 |
| 8) 2-Chlorophenol | 6.575 | 128 | 239596 | 44.793 | ng | | 100 |
| 9) Benzaldehyde | 6.339 | 77 | 195430 | 58.779 | ng | | 99 |
| 10) Phenol | 6.445 | 94 | 289881 | 44.515 | ng | | 85 |
| 11) bis(2-Chloroethyl)ether | 6.522 | 93 | 228943 | 46.807 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.728 | 146 | 259287 | 45.916 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.804 | 146 | 265055 | 45.940 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.957 | 146 | 248283 | 46.366 | ng | | 100 |
| 15) Benzyl Alcohol | 6.934 | 79 | 207989 | 43.350 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063 | 45 | 376546 | 44.972 | ng | | 85 |
| 17) 2-Methylphenol | 7.051 | 107 | 187088 | 44.695 | ng | | 96 |
| 18) Hexachloroethane | 7.298 | 117 | 96008 | 44.963 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.198 | 70 | 167693 | 44.808 | ng | | 100 |
| 20) 3+4-Methylphenols | 7.204 | 107 | 244866 | 46.031 | ng | | 94 |
| 22) Acetophenone | 7.198 | 105 | 375710 | 52.595 | ng | | 96 |
| 24) Nitrobenzene | 7.369 | 77 | 248977 | 46.376 | ng | | 100 |
| 25) Isophorone | 7.610 | 82 | 438930 | 50.000 | ng | | 98 |
| 26) 2-Nitrophenol | 7.686 | 139 | 125964 | 47.159 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.728 | 122 | 183107 | 58.682 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.822 | 93 | 270172 | 48.029 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.933 | 162 | 194999 | 46.252 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.010 | 180 | 212812 | 46.353 | ng | | 100 |
| 31) Naphthalene | 8.092 | 128 | 704051 | 47.100 | ng | | 100 |
| 32) Benzoic acid | 7.851 | 122 | 136502 | 42.116 | ng | | 98 |
| 33) 4-Chloroaniline | 8.151 | 127 | 52415 | 10.043 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.204 | 225 | 136802 | 49.634 | ng | | 99 |
| 35) Caprolactam | 8.510 | 113 | 65788m | 51.251 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.633 | 107 | 204996 | 43.895 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.780 | 142 | 434342 | 44.652 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.880 | 142 | 412932 | 43.831 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.945 | 216 | 228072 | 54.076 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 8.933 | 237 | 77126 | 54.979 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.063 | 196 | 128073 | 46.984 | ng | | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141573.D
Acq On : 11 Feb 2025 20:11
Operator : RC/JU
Sample : Q1215-03MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Quant Time: Feb 12 00:08:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

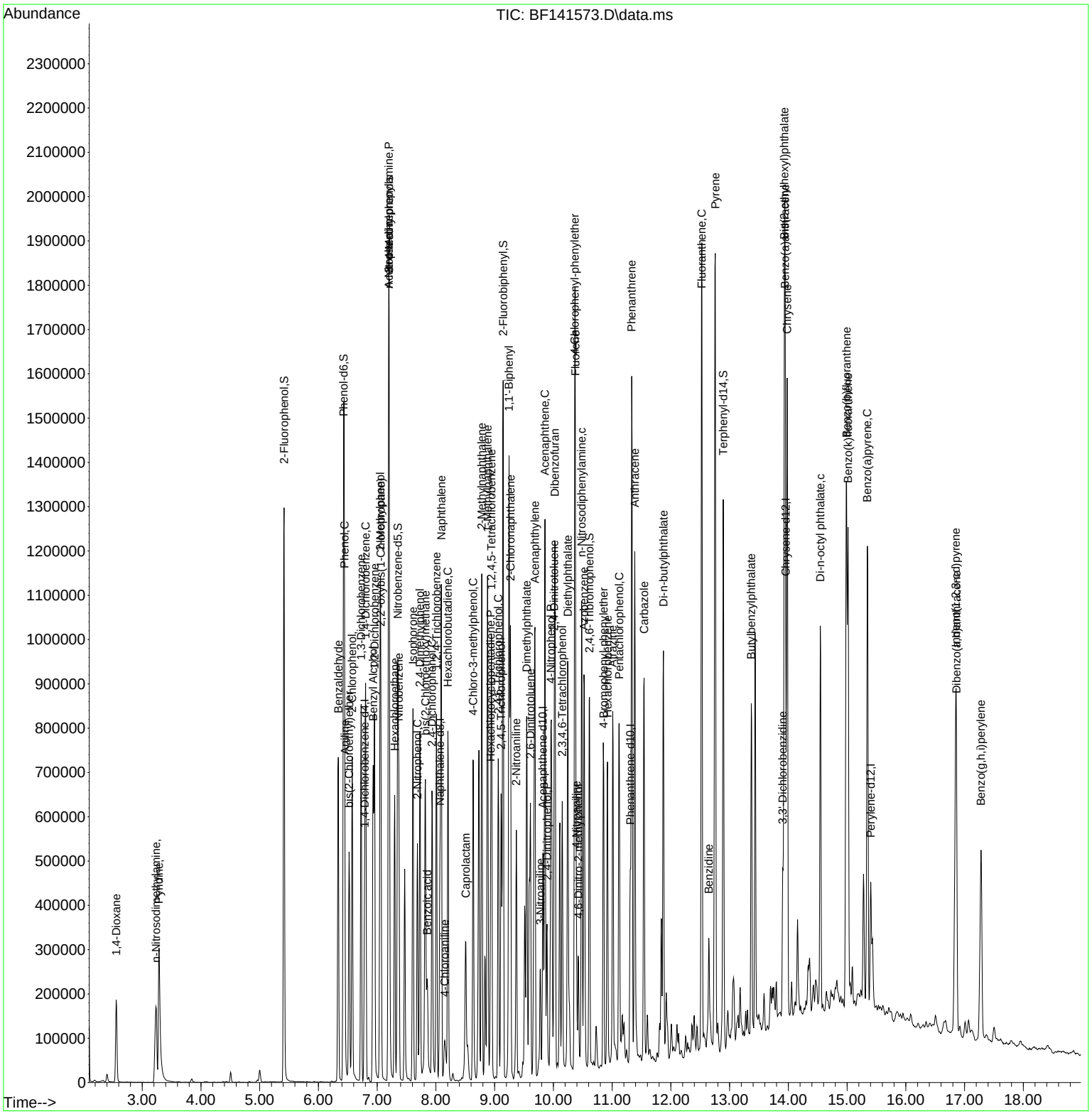
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.110 | 196 | 135865 | 45.990 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.245 | 154 | 609161 | 53.898 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.269 | 162 | 408164 | 48.838 | ng | 99 |
| 48) 2-Nitroaniline | 9.369 | 65 | 131322 | 46.820 | ng | 99 |
| 49) Acenaphthylene | 9.686 | 152 | 603329 | 48.534 | ng | 99 |
| 50) Dimethylphthalate | 9.545 | 163 | 482543 | 48.758 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.610 | 165 | 102238 | 47.256 | ng | 99 |
| 52) Acenaphthene | 9.857 | 154 | 401919 | 48.093 | ng | 100 |
| 53) 3-Nitroaniline | 9.780 | 138 | 50932 | 21.873 | ng | 99 |
| 54) 2,4-Dinitrophenol | 9.892 | 184 | 66715 | 51.885 | ng | 92 |
| 55) Dibenzofuran | 10.027 | 168 | 550486 | 44.876 | ng | 100 |
| 56) 4-Nitrophenol | 9.957 | 139 | 146759 | 84.902 | ng | 95 |
| 57) 2,4-Dinitrotoluene | 10.016 | 165 | 129414 | 44.933 | ng | 99 |
| 58) Fluorene | 10.374 | 166 | 430766 | 45.417 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.151 | 232 | 106602 | 41.913 | ng | 95 |
| 60) Diethylphthalate | 10.245 | 149 | 451106 | 46.328 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.363 | 204 | 209301 | 45.869 | ng | 99 |
| 62) 4-Nitroaniline | 10.392 | 138 | 83129 | 35.158 | ng | 99 |
| 63) Azobenzene | 10.522 | 77 | 453856 | 46.886 | ng | 97 |
| 65) 4,6-Dinitro-2-methylph... | 10.427 | 198 | 46539 | 31.315 | ng | 93 |
| 66) n-Nitrosodiphenylamine | 10.480 | 169 | 365475 | 53.365 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248 | 122445 | 51.209 | ng | 99 |
| 68) Hexachlorobenzene | 10.922 | 284 | 123400 | 50.118 | ng | 99 |
| 69) Atrazine | 11.010 | 200 | 135307 | 65.856 | ng | 99 |
| 70) Pentachlorophenol | 11.122 | 266 | 130475 | 82.874 | ng | 99 |
| 71) Phenanthrene | 11.333 | 178 | 836700 | 71.047 | ng | 100 |
| 72) Anthracene | 11.386 | 178 | 630026 | 53.219 | ng | 100 |
| 73) Carbazole | 11.545 | 167 | 499177 | 46.862 | ng | 100 |
| 74) Di-n-butylphthalate | 11.874 | 149 | 628802 | 51.124 | ng | 100 |
| 75) Fluoranthene | 12.527 | 202 | 1086850 | 87.049 | ng | 99 |
| 77) Benzidine | 12.645 | 184 | 130042 | 35.348 | ng | 99 |
| 78) Pyrene | 12.757 | 202 | 1108693 | 78.077 | ng | 100 |
| 80) Butylbenzylphthalate | 13.368 | 149 | 244644 | 49.740 | ng | 99 |
| 81) Benzo(a)anthracene | 13.945 | 228 | 837812 | 75.557 | ng | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.904 | 252 | 102012 | 32.116 | ng | 99 |
| 83) Chrysene | 13.980 | 228 | 709686 | 69.316 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.933 | 149 | 330164 | 59.518 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.545 | 149 | 564735 | 71.362 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.851 | 276 | 505098 | 50.115 | ng | 99 |
| 88) Benzo(b)fluoranthene | 14.992 | 252 | 846904 | 77.326 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.015 | 252 | 537534m | 57.475 | ng | |
| 90) Benzo(a)pyrene | 15.345 | 252 | 660314 | 74.508 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 16.862 | 278 | 349535 | 42.800 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.280 | 276 | 399380 | 46.732 | ng | 99 |

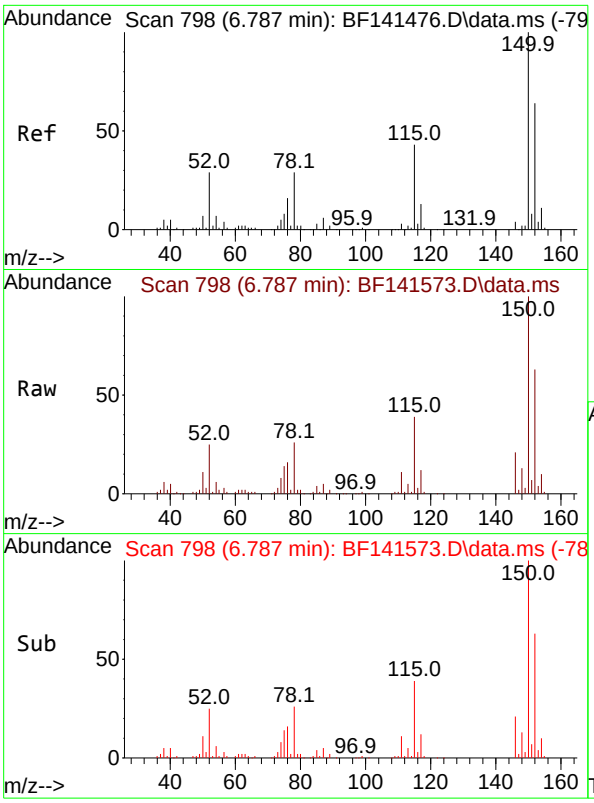
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141573.D
Acq On : 11 Feb 2025 20:11
Operator : RC/JU
Sample : Q1215-03MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Quant Time: Feb 12 00:08:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



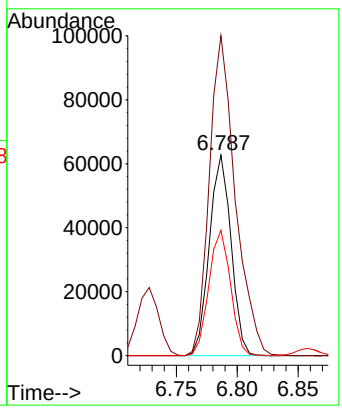


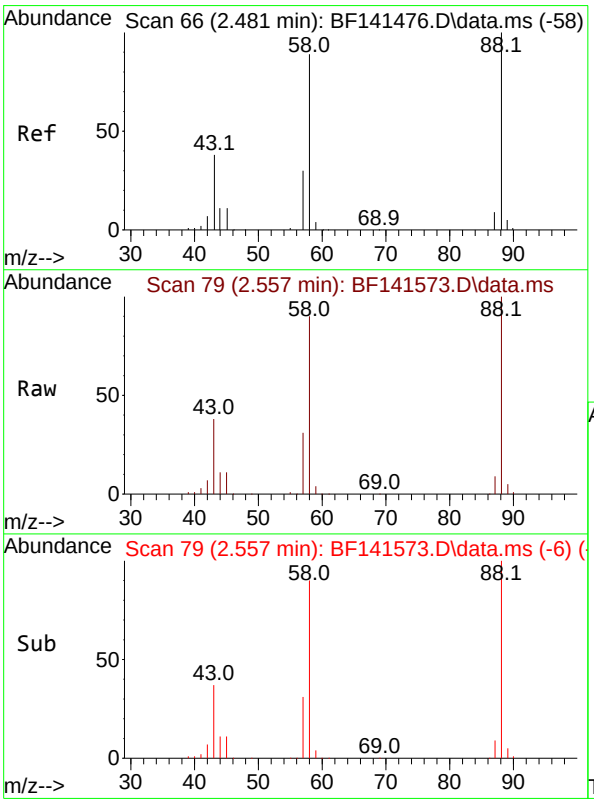

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:152 Resp: 77607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.6 | 125.0 | 187.4 |
| 115 | 62.5 | 53.6 | 80.4 |

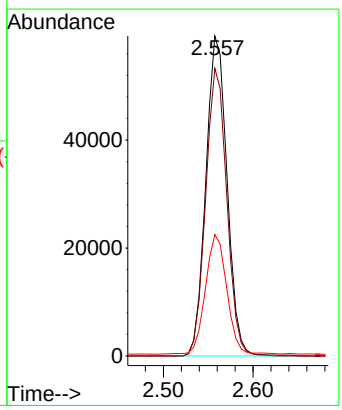


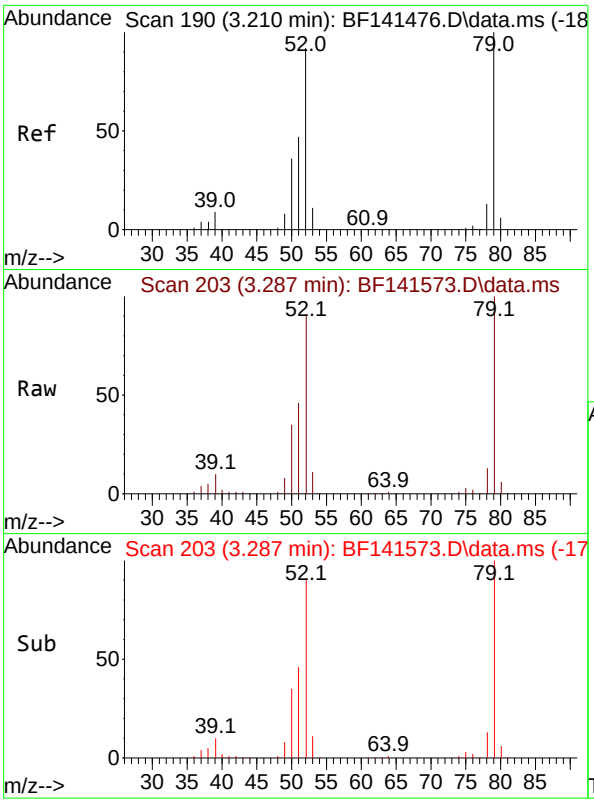




#2
1,4-Dioxane
Concen: 48.806 ng
RT: 2.557 min Scan# 79
Delta R.T. 0.077 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion: 88 Resp: 97239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 89.9 | 71.1 | 106.7 |
| 43 | 37.8 | 30.6 | 46.0 |



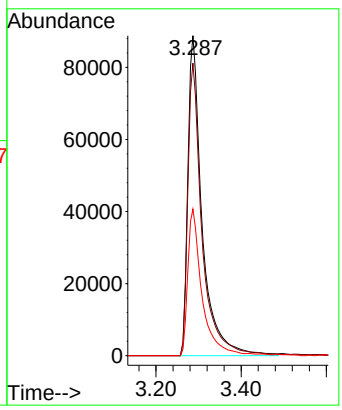


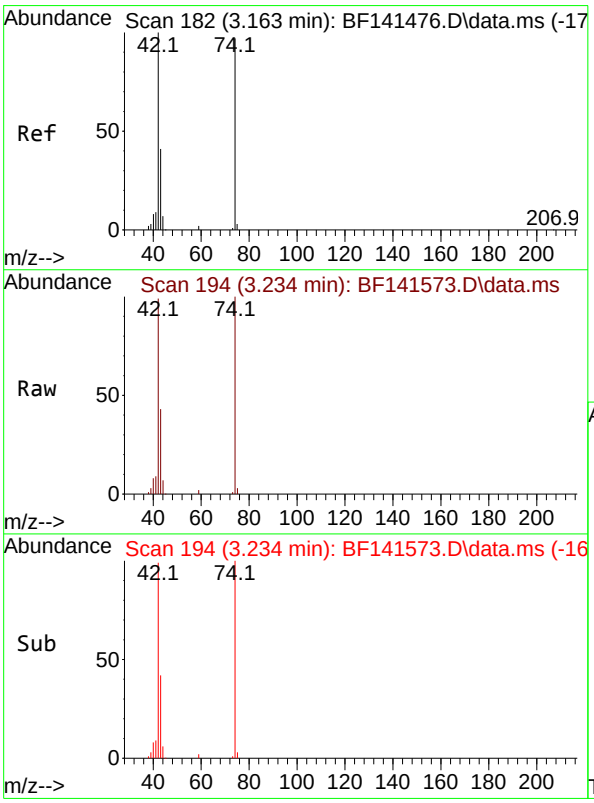

#3
Pyridine
Concen: 43.585 ng
RT: 3.287 min Scan# 2
Delta R.T. 0.071 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion: 79 Resp: 206639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 91.4 | 73.7 | 110.5 |
| 51 | 45.8 | 37.5 | 56.3 |

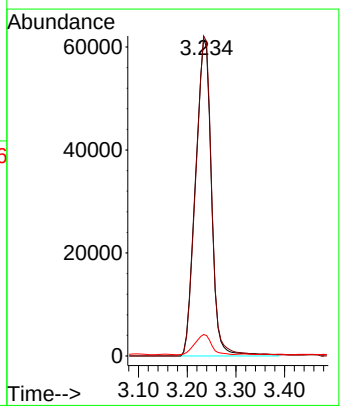


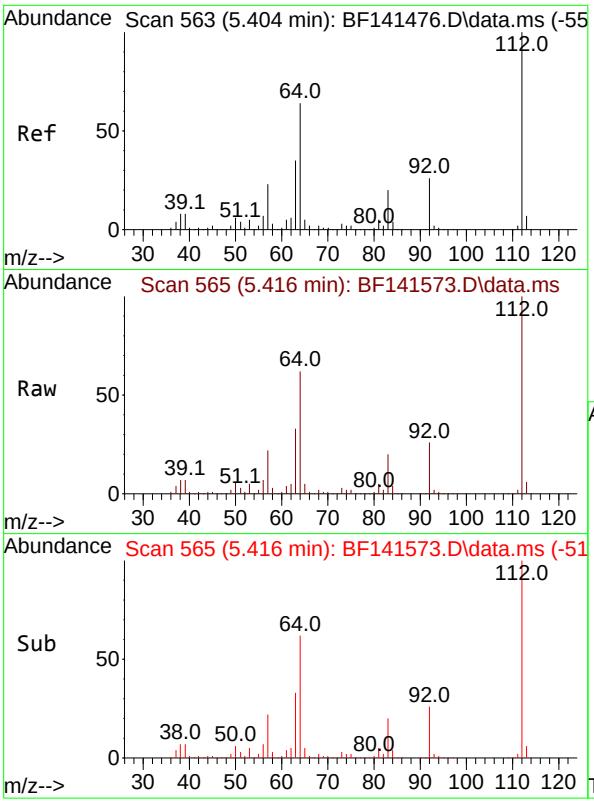




#4
n-Nitrosodimethylamine
Concen: 44.627 ng
RT: 3.234 min Scan# 194
Delta R.T. 0.047 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion: 42 Resp: 140096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 100.9 | 78.0 | 117.0 |
| 44 | 6.8 | 5.4 | 8.2 |



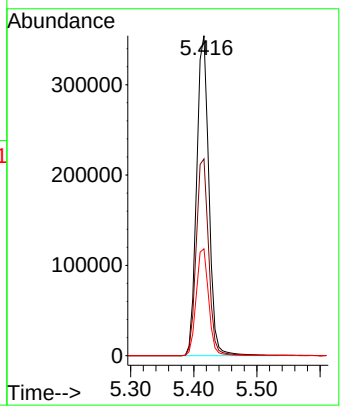


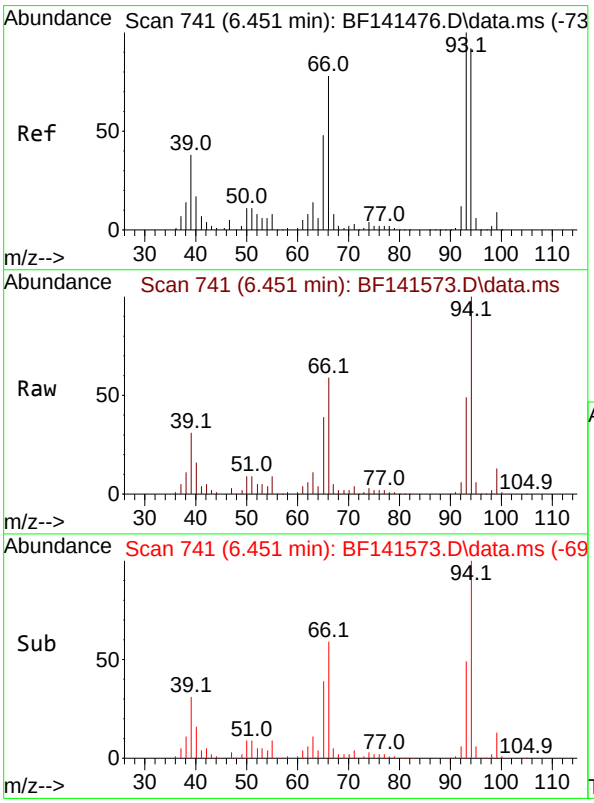

#5
2-Fluorophenol
Concen: 96.376 ng
RT: 5.416 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:112 Resp: 477086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.5 | 51.1 | 76.7 |
| 63 | 33.4 | 28.4 | 42.6 |

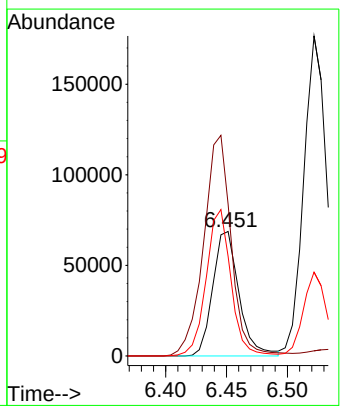


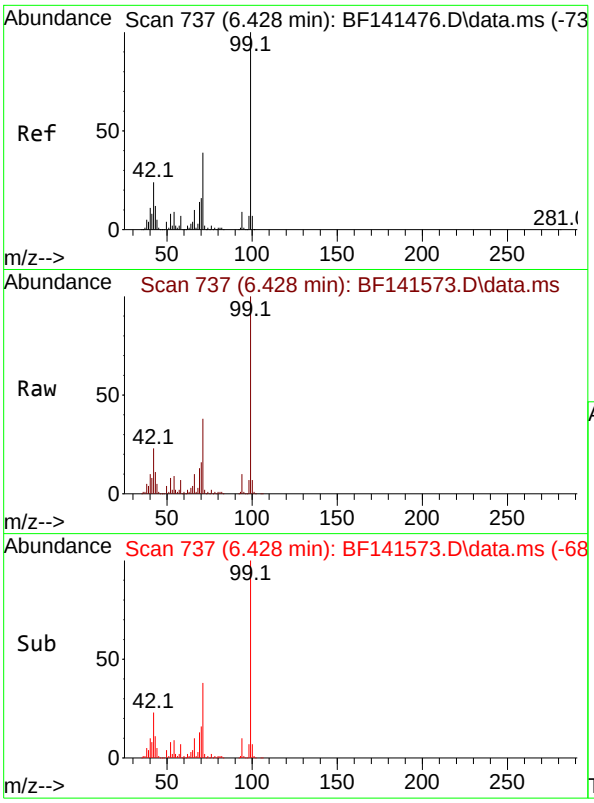




#6
Aniline
Concen: 17.601 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion: 93 Resp: 103301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 121.8 | 62.6 | 94.0# |
| 65 | 79.9 | 38.3 | 57.5# |



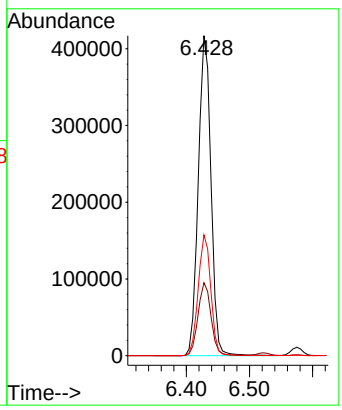


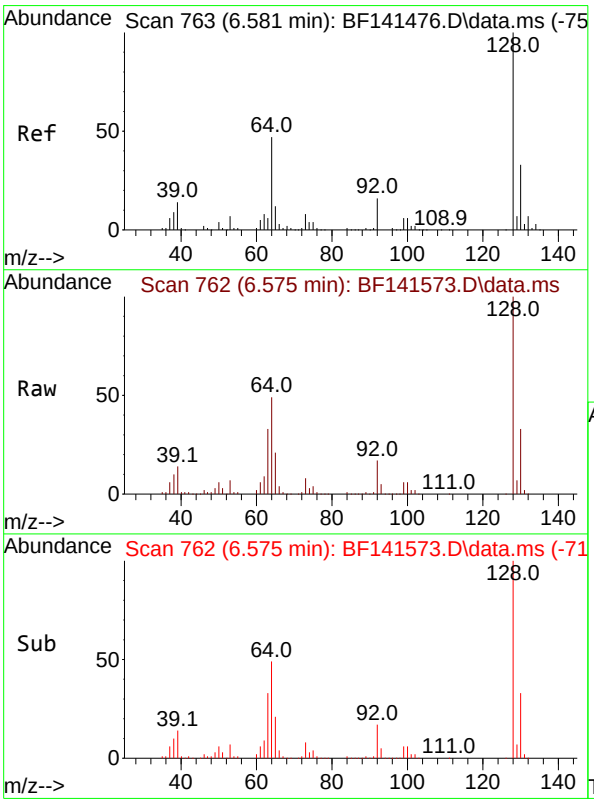

#7
Phenol-d6
Concen: 92.732 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion: 99 Resp: 580198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.8 | 19.1 | 28.7 |
| 71 | 37.7 | 31.1 | 46.7 |

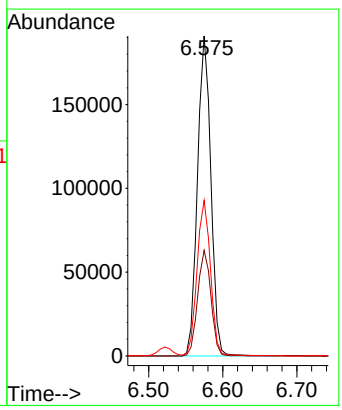


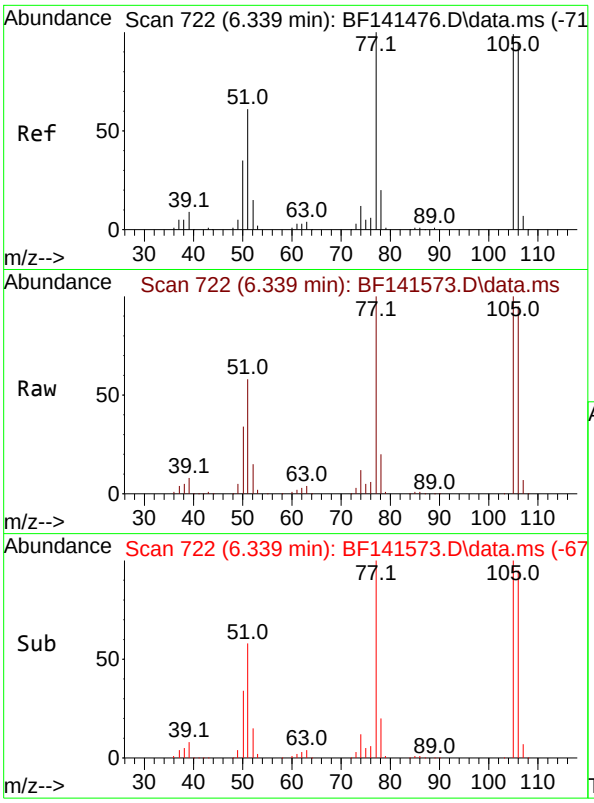




#8
2-Chlorophenol
Concen: 44.793 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:128 Resp: 239596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.0 | 12.7 | 52.7 |
| 64 | 48.6 | 28.3 | 68.3 |



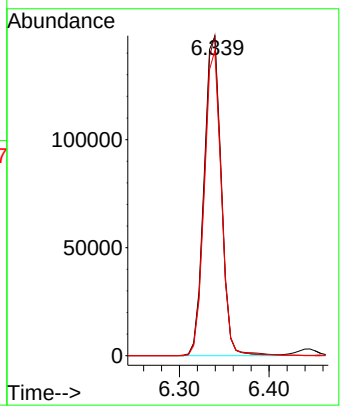


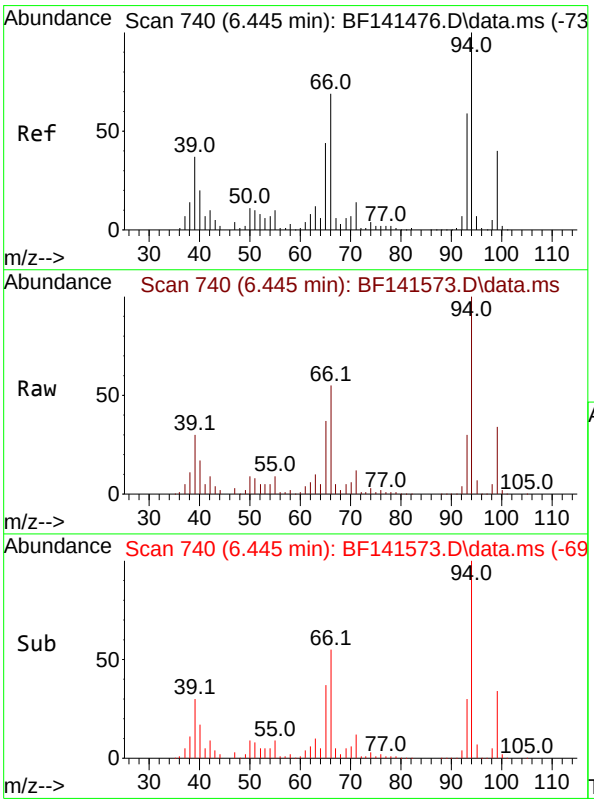

#9
Benzaldehyde
Concen: 58.779 ng
RT: 6.339 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion: 77 Resp: 195430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 100.3 | 79.4 | 119.4 |
| 106 | 95.6 | 75.1 | 115.1 |

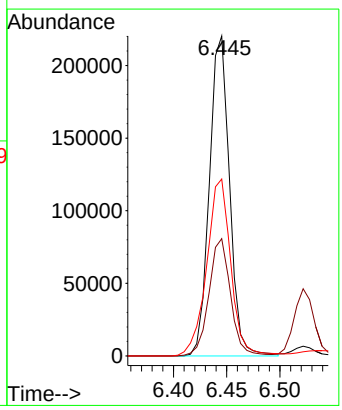


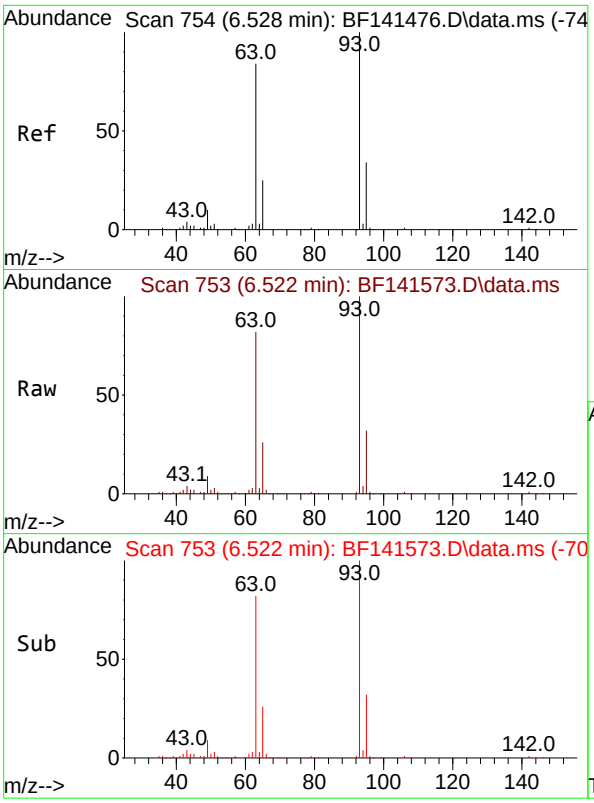




#10
Phenol
Concen: 44.515 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion: 94 Resp: 289881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 36.7 | 23.7 | 63.7 |
| 66 | 55.3 | 49.3 | 89.3 |



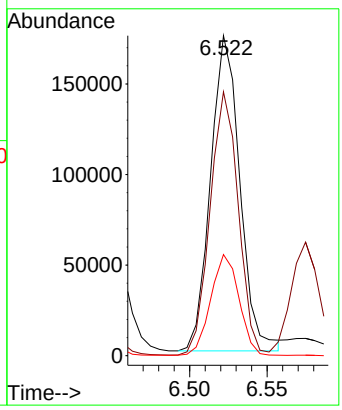


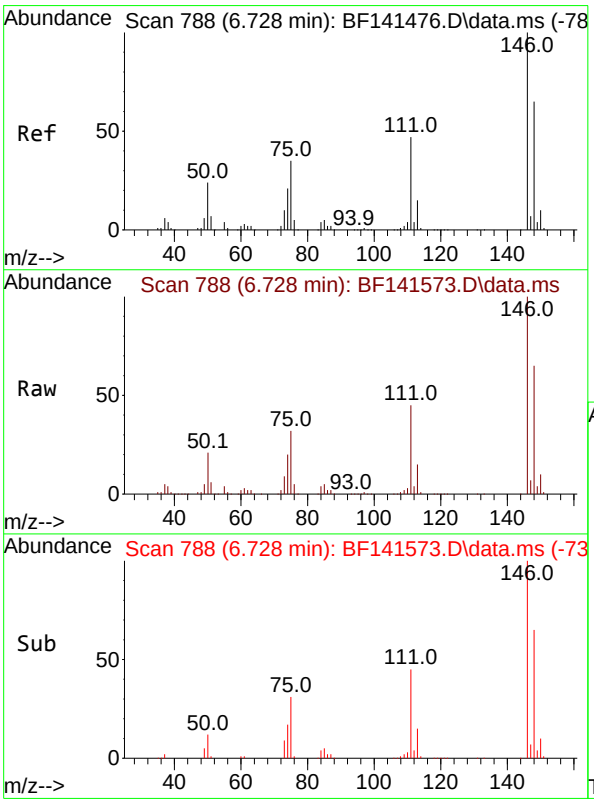

#11
bis(2-Chloroethyl)ether
Concen: 46.807 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion: 93 Resp: 228943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 82.4 | 62.0 | 102.0 |
| 95 | 31.6 | 12.6 | 52.6 |

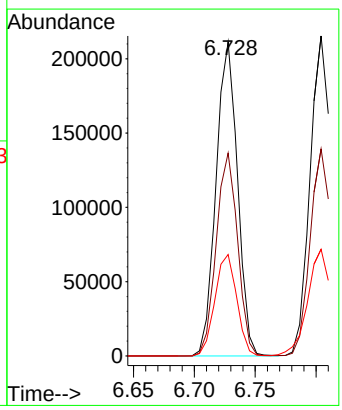


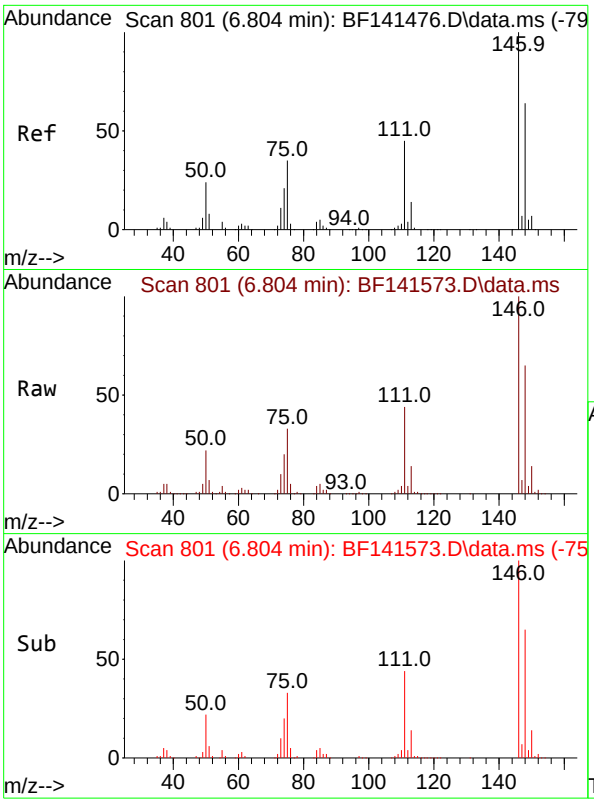




#12
1,3-Dichlorobenzene
Concen: 45.916 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:146 Resp: 259287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.9 | 77.9 |
| 75 | 32.3 | 28.2 | 42.2 |



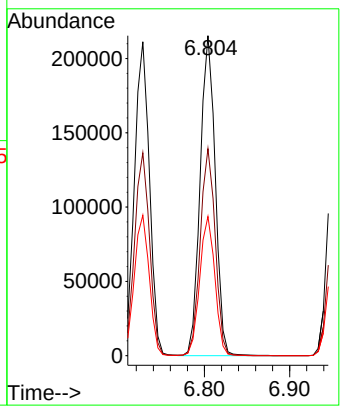


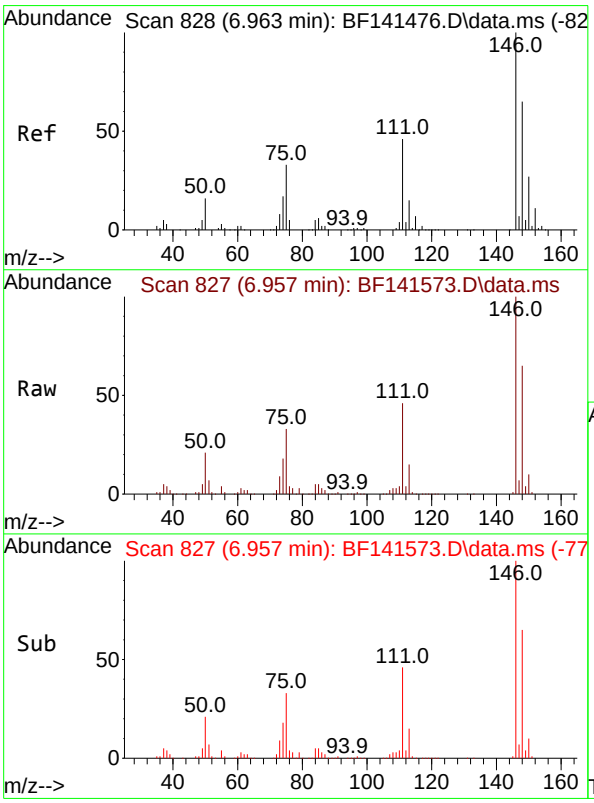

#13
1,4-Dichlorobenzene
Concen: 45.940 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:146 Resp: 265055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 50.9 | 76.3 |
| 111 | 43.5 | 35.9 | 53.9 |

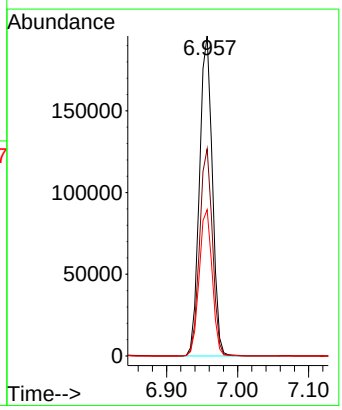


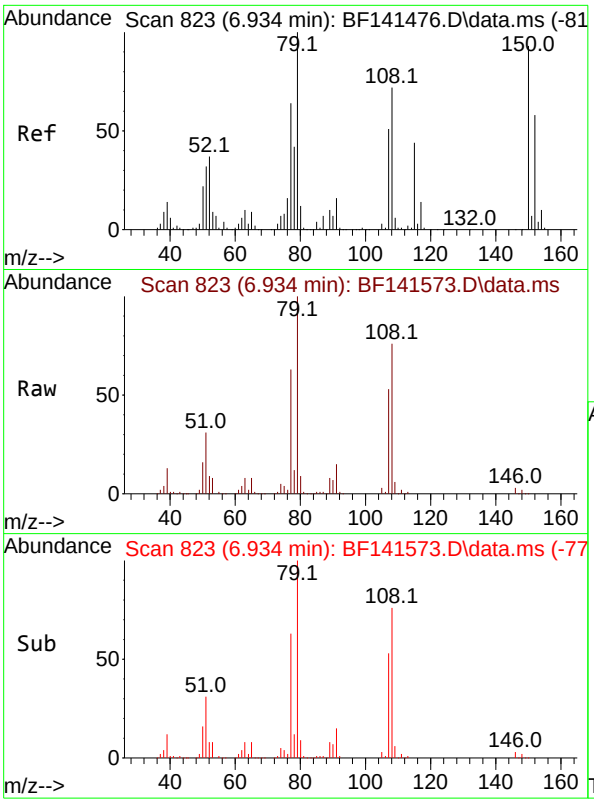




#14
1,2-Dichlorobenzene
Concen: 46.366 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:146 Resp: 248283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.8 | 77.6 |
| 111 | 45.7 | 37.0 | 55.4 |



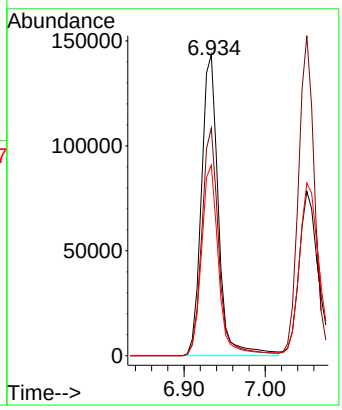


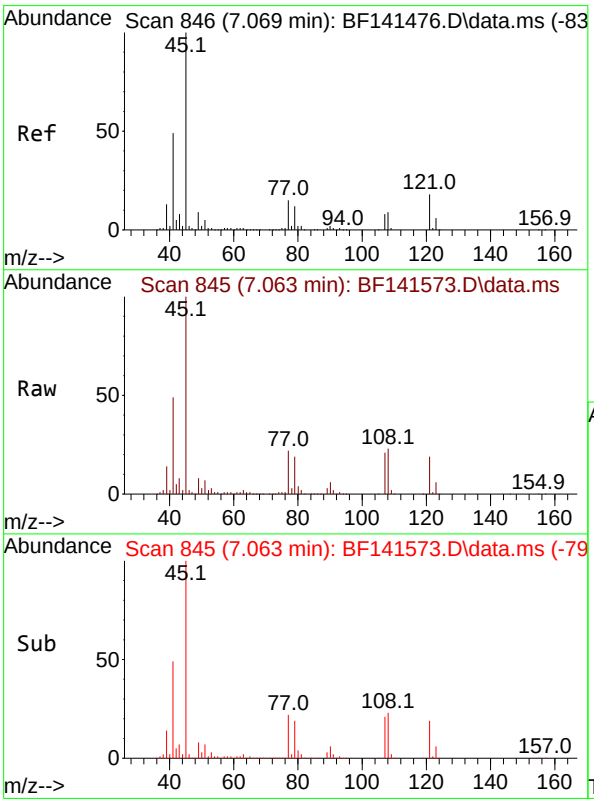

#15
Benzyl Alcohol
Concen: 43.350 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion: 79 Resp: 207989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 75.6 | 57.4 | 86.2 |
| 77 | 63.3 | 50.9 | 76.3 |

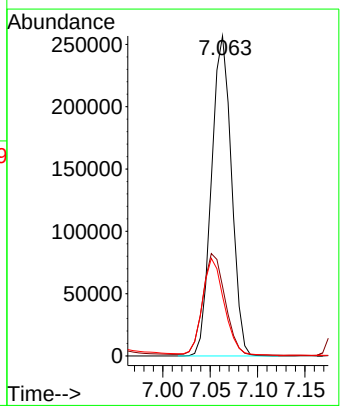


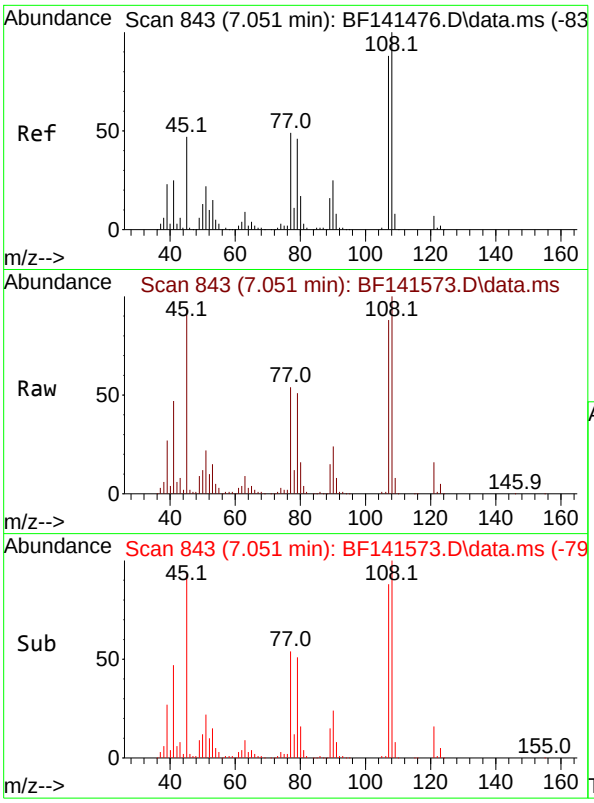




#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.972 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion: 45 Resp: 376546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 21.8 | 0.0 | 35.8 |
| 79 | 18.7 | 0.0 | 32.7 |



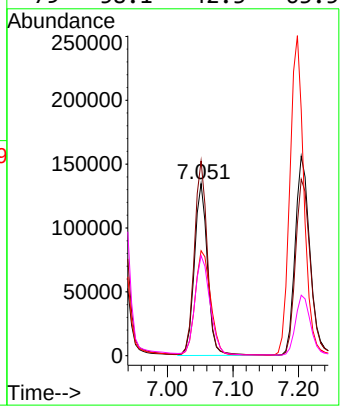


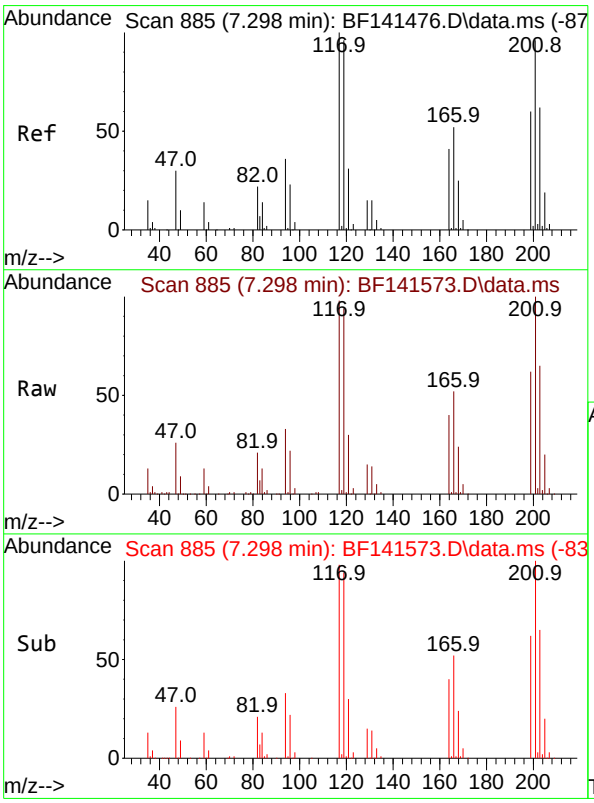

#17
2-Methylphenol
Concen: 44.695 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:107 Resp: 187088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.2 | 90.6 | 136.0 |
| 77 | 61.0 | 44.4 | 66.6 |
| 79 | 58.1 | 42.3 | 63.5 |

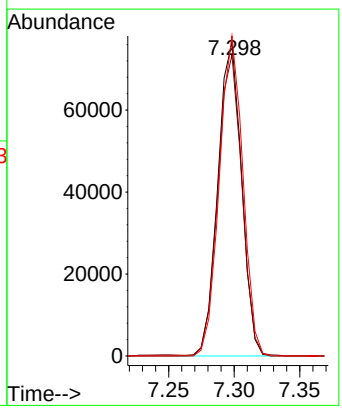


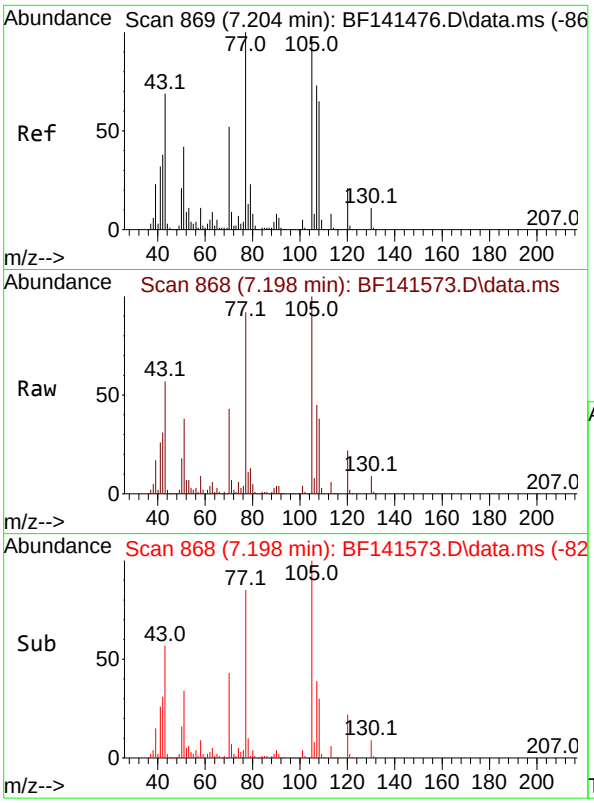




#18
Hexachloroethane
Concen: 44.963 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:117 Resp: 96008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.0 | 76.5 | 114.7 |
| 201 | 102.0 | 76.7 | 115.1 |



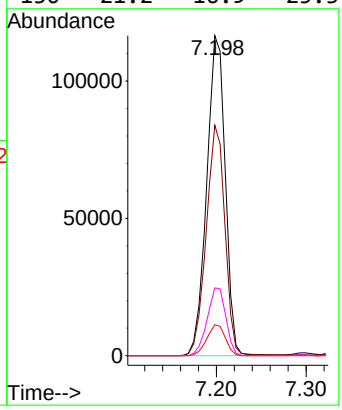


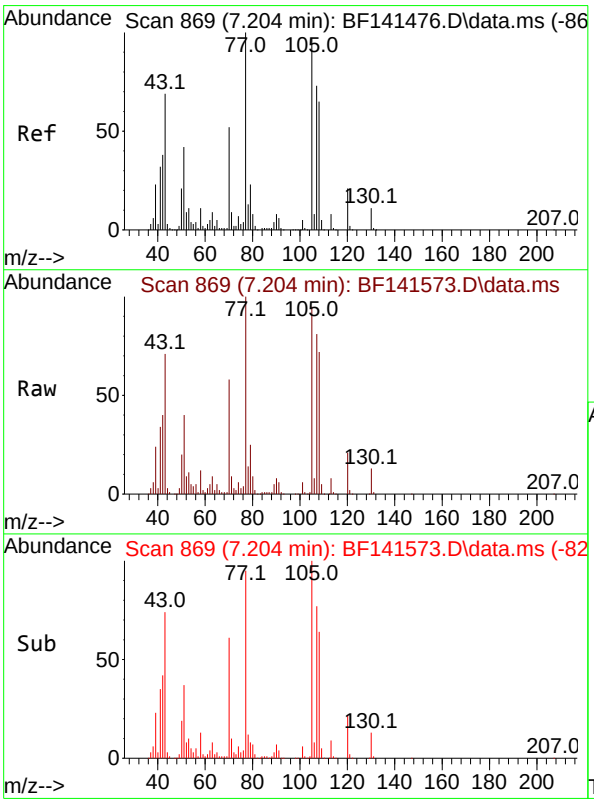

#19
n-Nitroso-di-n-propylamine
Concen: 44.808 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion: 70 Resp: 167693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 72.0 | 57.4 | 86.2 |
| 101 | 9.6 | 8.0 | 12.0 |
| 130 | 21.2 | 16.9 | 25.3 |

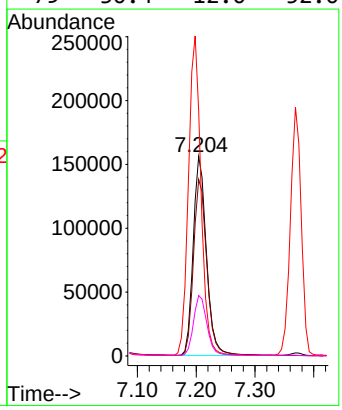


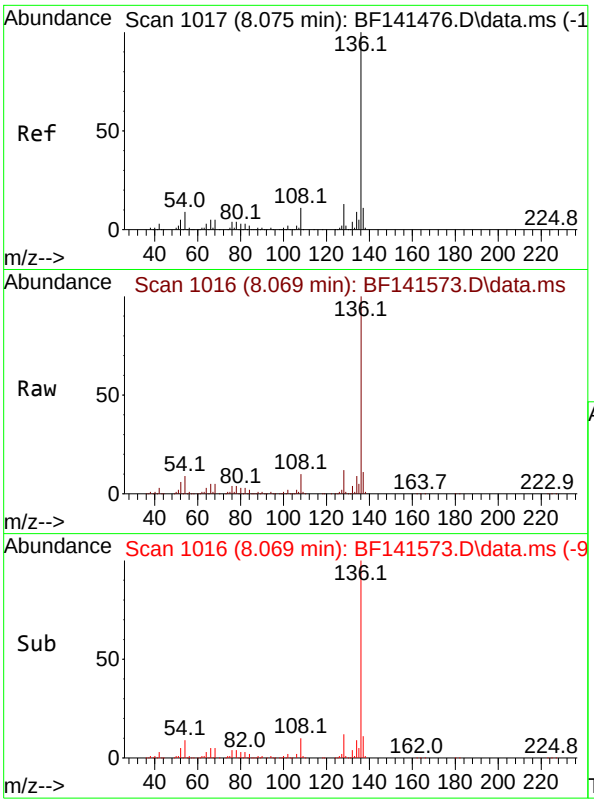




#20
3+4-Methylphenols
Concen: 46.031 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:107 Resp: 244866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.4 | 68.5 | 108.5 |
| 77 | 123.0 | 116.5 | 156.5 |
| 79 | 30.4 | 12.0 | 52.0 |



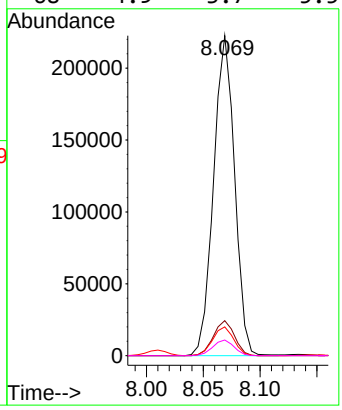


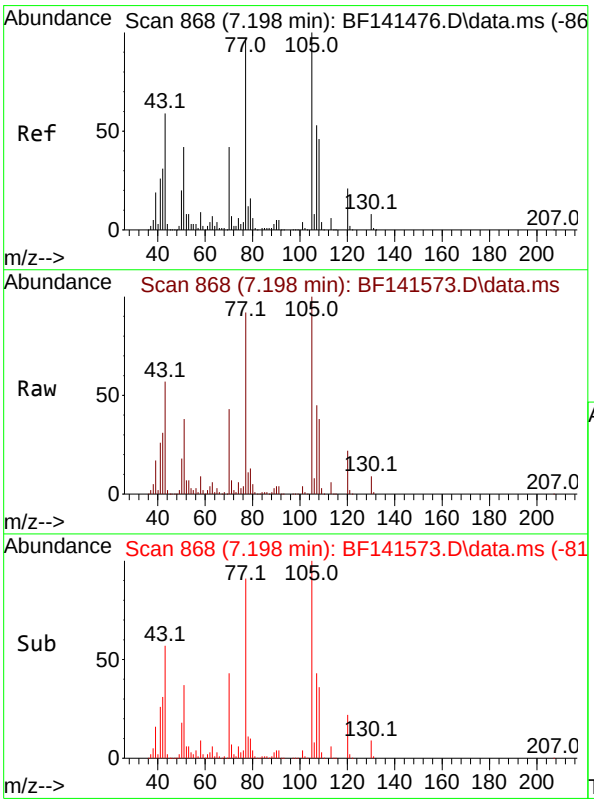

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:136 Resp: 287166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.6 | 13.0 |
| 54 | 9.0 | 7.2 | 10.8 |
| 68 | 4.9 | 3.7 | 5.5 |

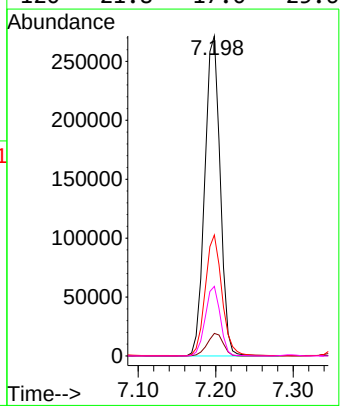


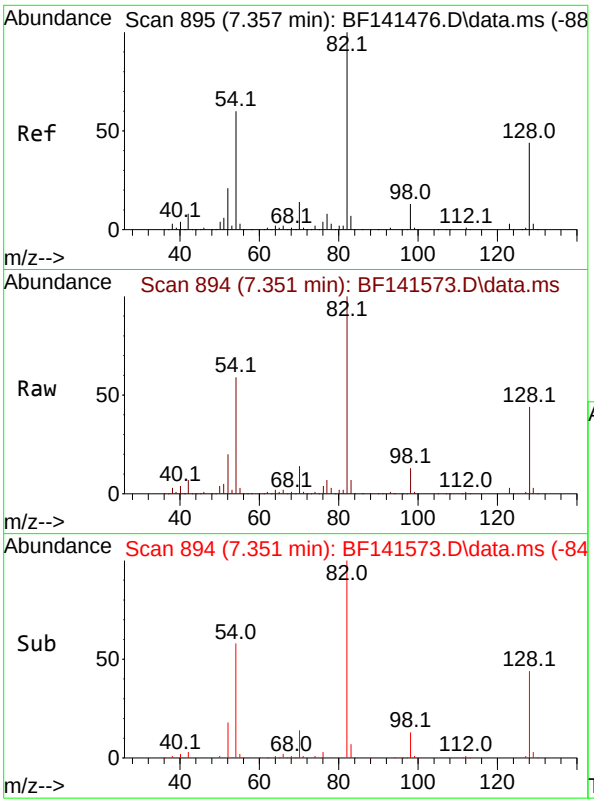




#22
Acetophenone
Concen: 52.595 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:105 Resp: 375710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.1 | 5.7 | 8.5 |
| 51 | 37.8 | 33.7 | 50.5 |
| 120 | 21.8 | 17.0 | 25.6 |



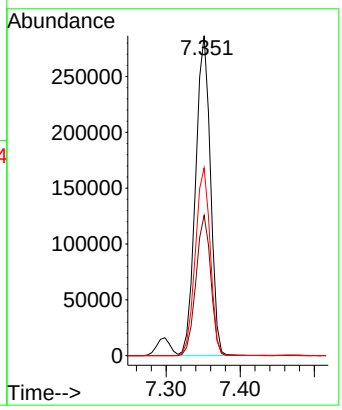


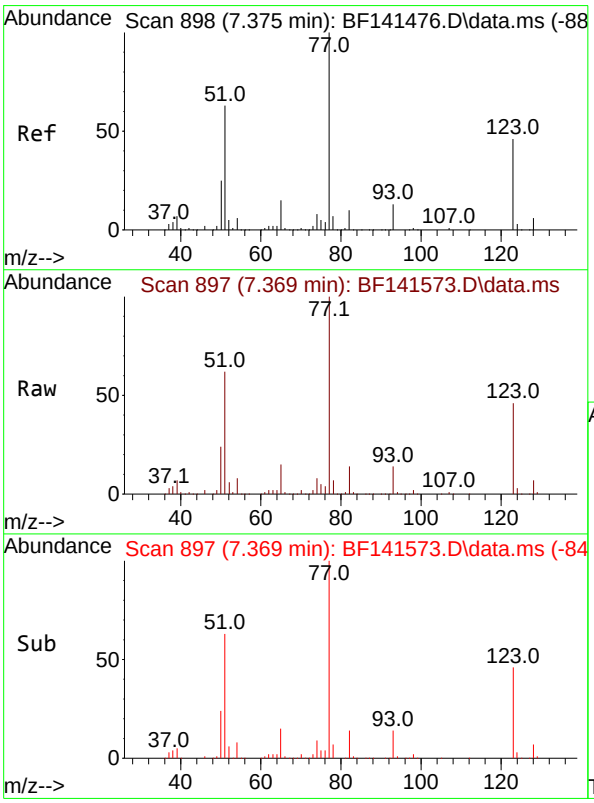

#23
Nitrobenzene-d5
Concen: 72.209 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion: 82 Resp: 397558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.9 | 34.8 | 52.2 |
| 54 | 58.7 | 48.2 | 72.4 |

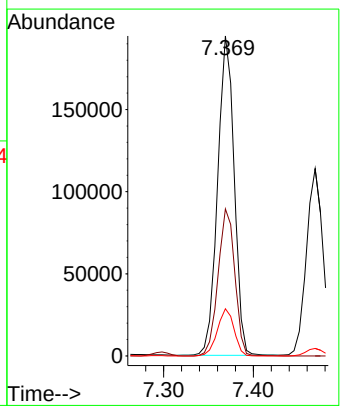


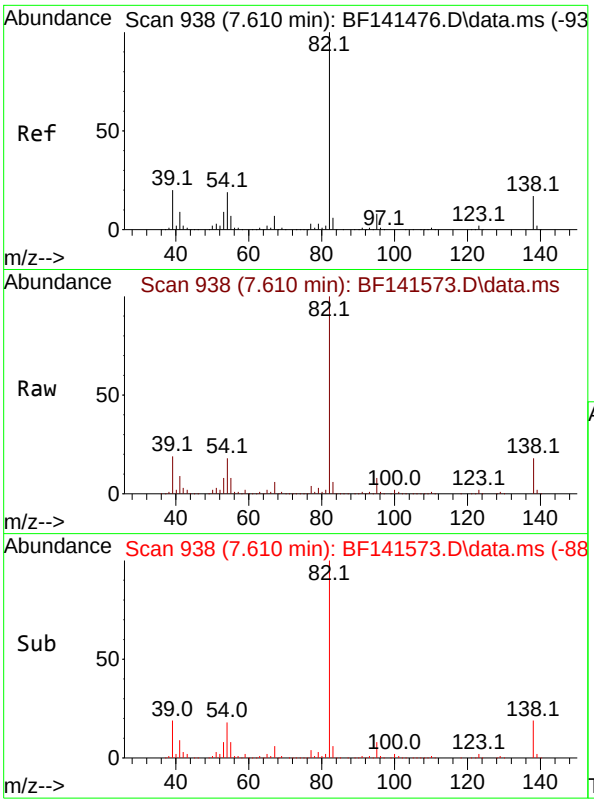




#24
Nitrobenzene
Concen: 46.376 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion: 77 Resp: 248977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.0 | 36.9 | 55.3 |
| 65 | 14.8 | 11.9 | 17.9 |



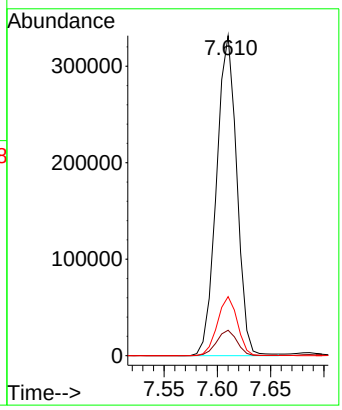


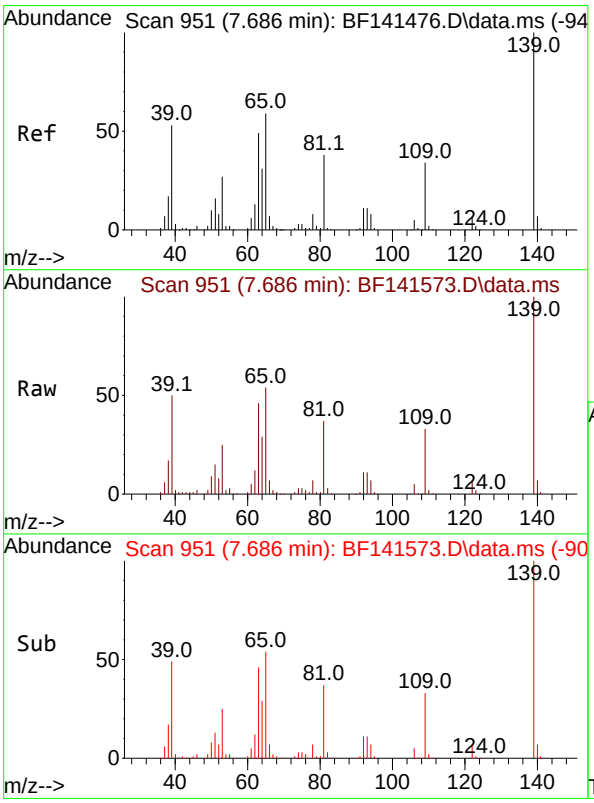

#25
Isophorone
Concen: 50.000 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion: 82 Resp: 438930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.9 | 6.4 | 9.6 |
| 138 | 18.4 | 13.9 | 20.9 |

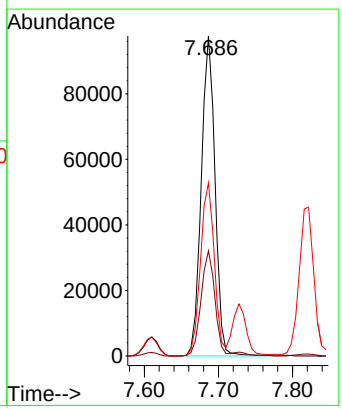


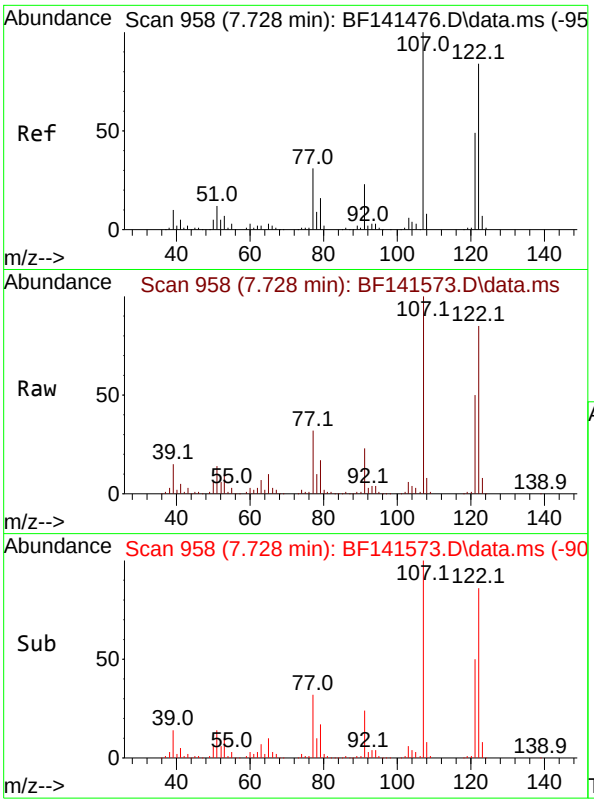




#26
2-Nitrophenol
Concen: 47.159 ng
RT: 7.686 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:139 Resp: 125964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.8 | 27.0 | 40.6 |
| 65 | 54.1 | 47.1 | 70.7 |



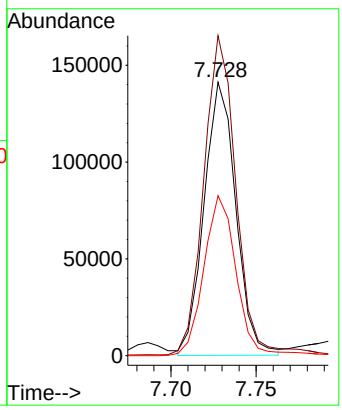


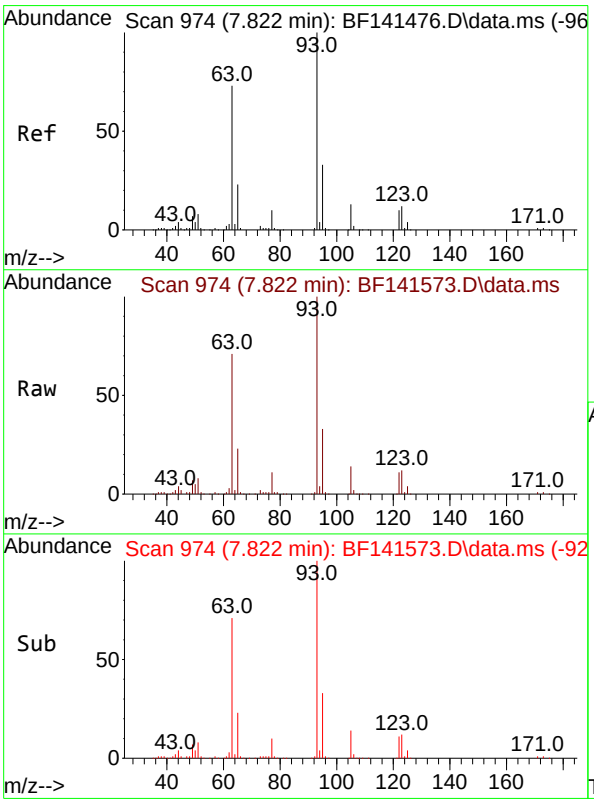

#27
2,4-Dimethylphenol
Concen: 58.682 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:122 Resp: 183107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 117.0 | 94.3 | 141.5 |
| 121 | 58.5 | 46.0 | 69.0 |

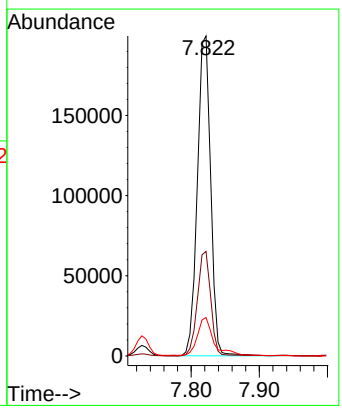


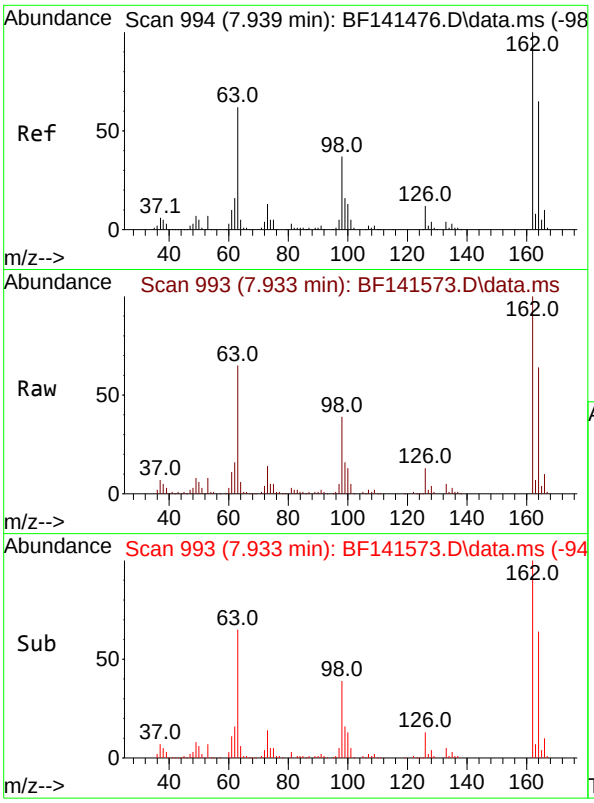




#28
bis(2-Chloroethoxy)methane
Concen: 48.029 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion: 93 Resp: 270172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.7 | 26.1 | 39.1 |
| 123 | 12.0 | 9.5 | 14.3 |



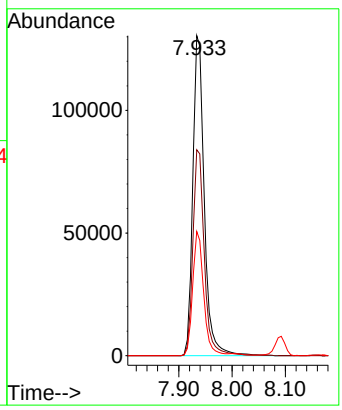


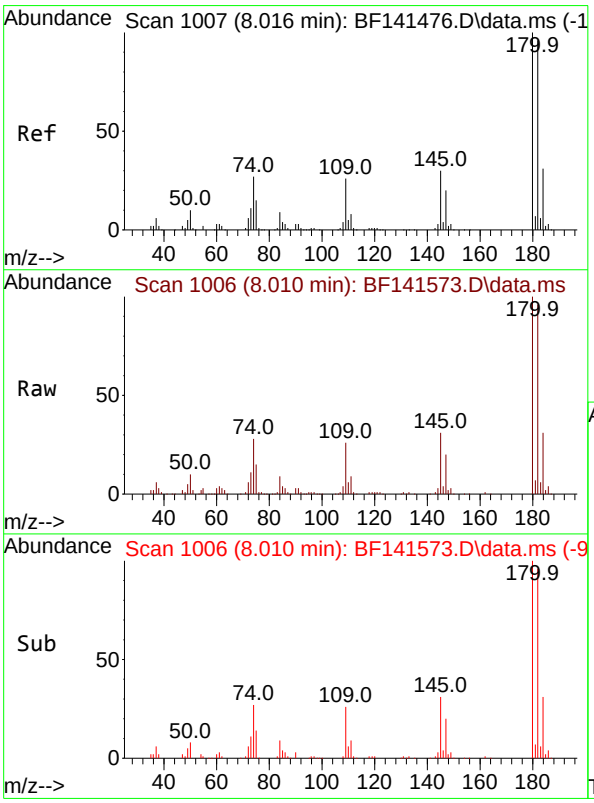

#29
2,4-Dichlorophenol
Concen: 46.252 ng
RT: 7.933 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:162 Resp: 194999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.4 | 44.6 | 84.6 |
| 98 | 38.8 | 17.2 | 57.2 |

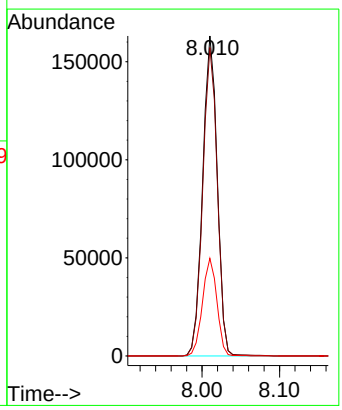


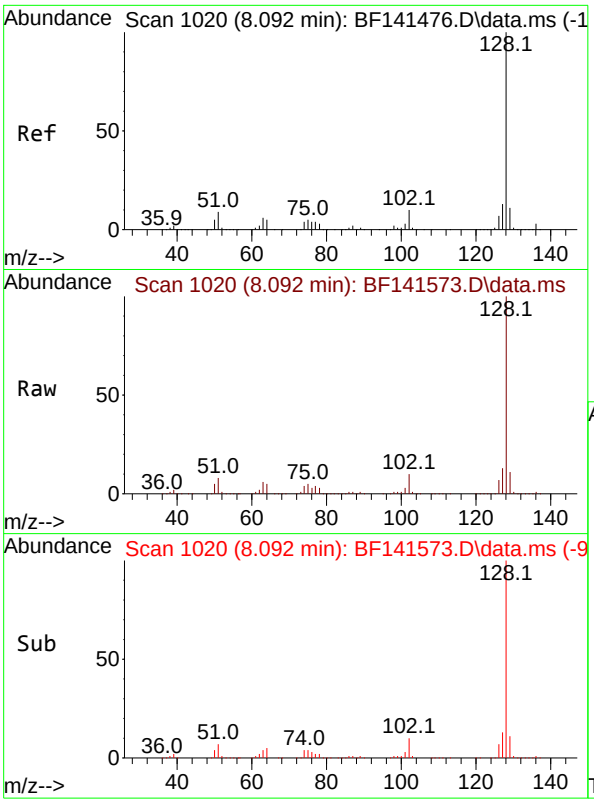




#30
1,2,4-Trichlorobenzene
Concen: 46.353 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:180 Resp: 212812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.4 | 76.8 | 115.2 |
| 145 | 30.5 | 24.2 | 36.4 |



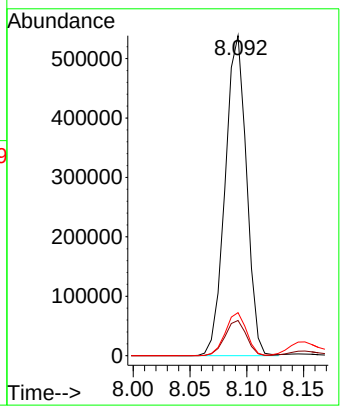


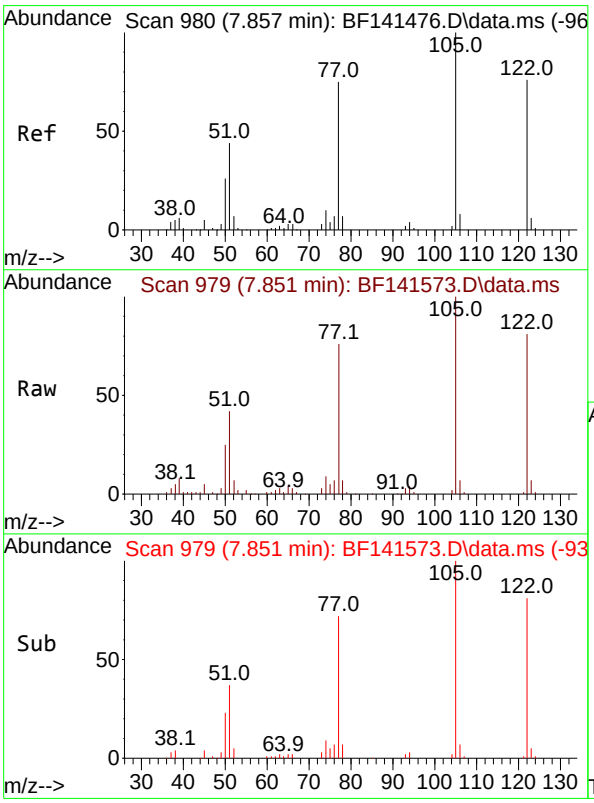

#31
Naphthalene
Concen: 47.100 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:128 Resp: 704051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.9 | 13.3 |
| 127 | 13.4 | 10.7 | 16.1 |

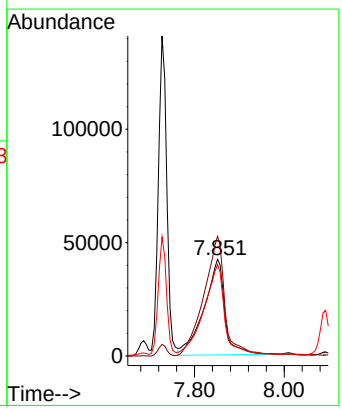


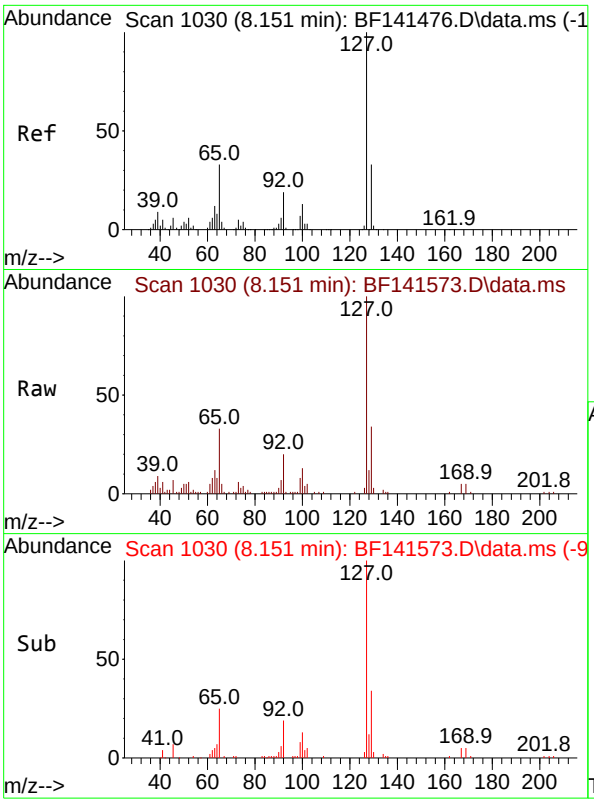




#32
Benzoic acid
Concen: 42.116 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.041 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:122 Resp: 136502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.9 | 106.5 | 146.5 |
| 77 | 94.7 | 76.3 | 116.3 |



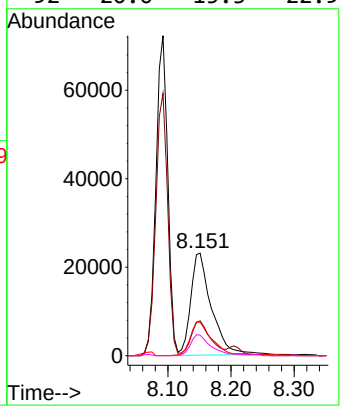


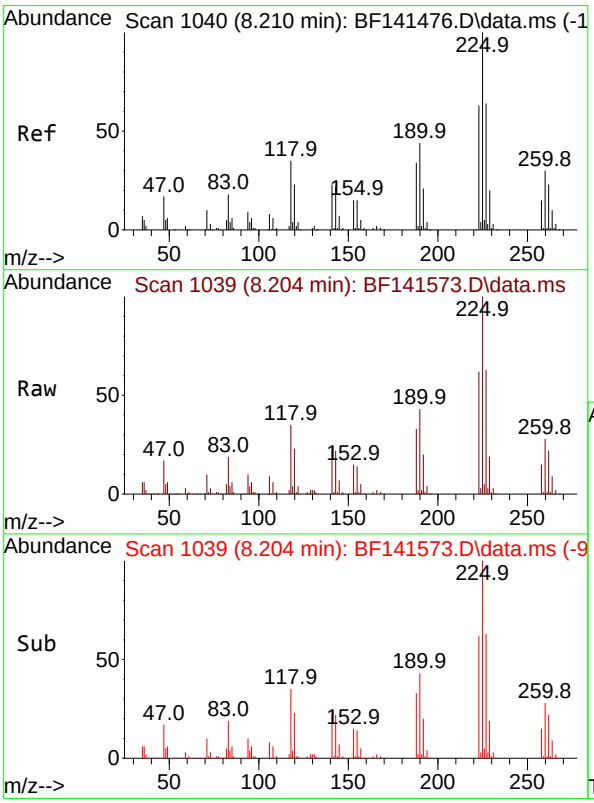

#33
4-Chloroaniline
Concen: 10.043 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:127 Resp: 52415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 34.0 | 26.5 | 39.7 |
| 65 | 32.6 | 26.4 | 39.6 |
| 92 | 20.0 | 15.3 | 22.9 |

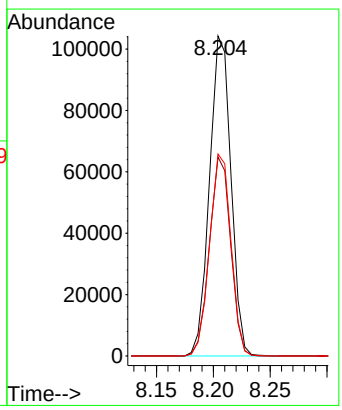


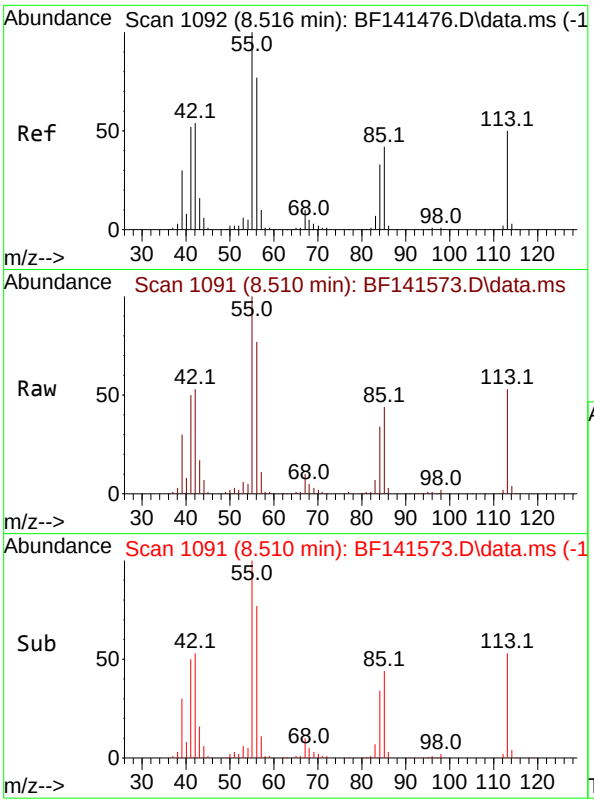




#34
Hexachlorobutadiene
Concen: 49.634 ng
RT: 8.204 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:225 Resp: 136802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.1 | 50.1 | 75.1 |
| 227 | 63.1 | 51.0 | 76.6 |



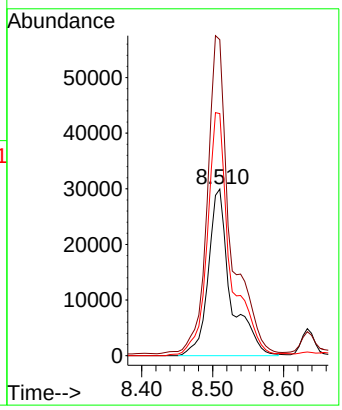


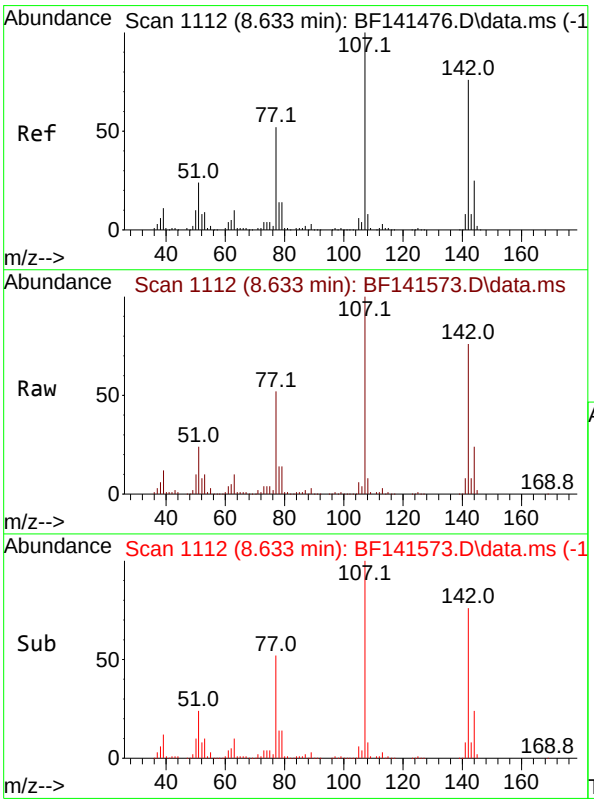

#35
Caprolactam
Concen: 51.251 ng m
RT: 8.510 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:113 Resp: 65788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 189.8 | 180.8 | 220.8 |
| 56 | 145.4 | 133.6 | 173.6 |

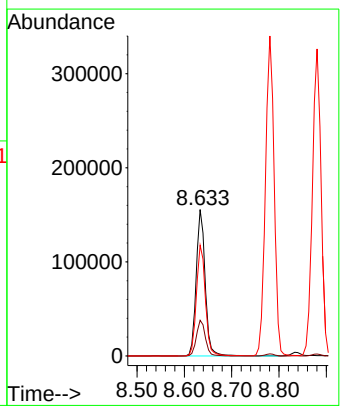


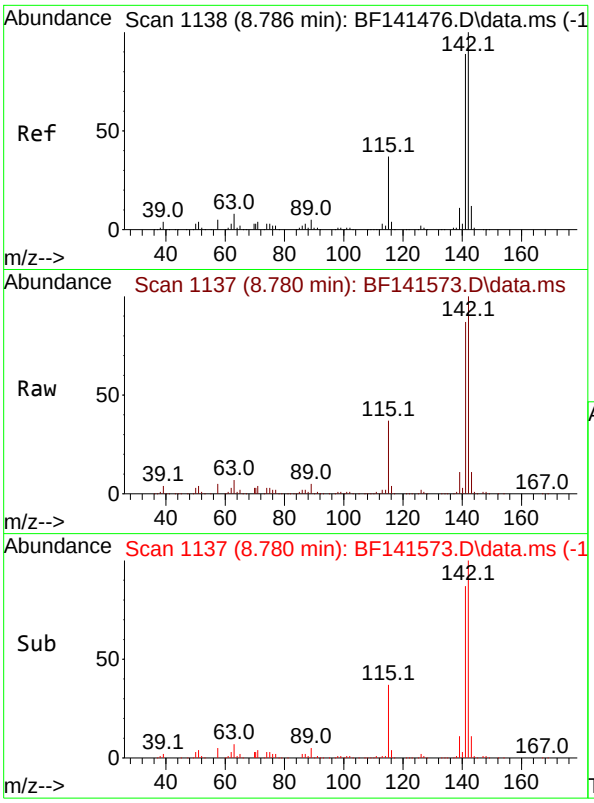




#36
4-Chloro-3-methylphenol
Concen: 43.895 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:107 Resp: 204996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.4 | 19.7 | 29.5 |
| 142 | 75.6 | 60.8 | 91.2 |



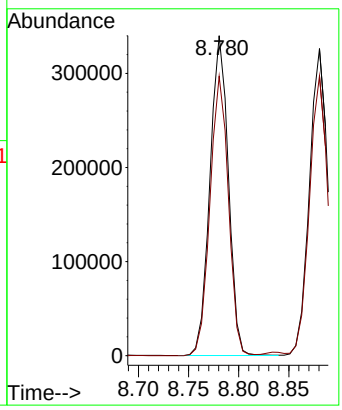


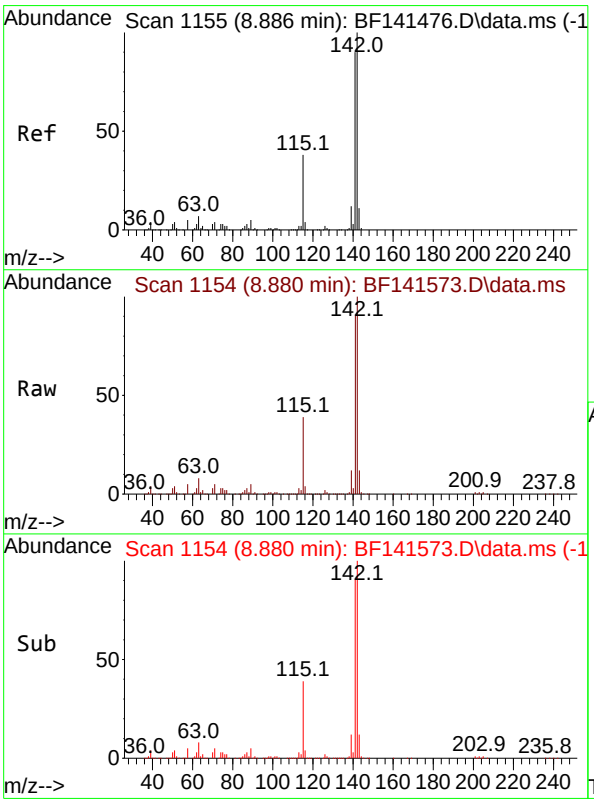

#37
2-Methylnaphthalene
Concen: 44.652 ng
RT: 8.780 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:142 Resp: 434342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.3 | 71.2 | 106.8 |

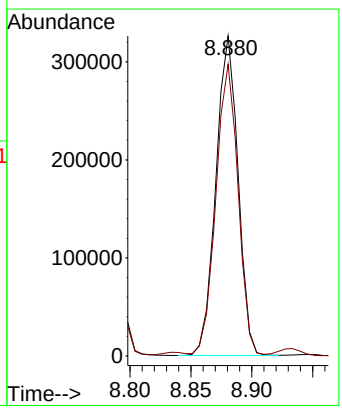


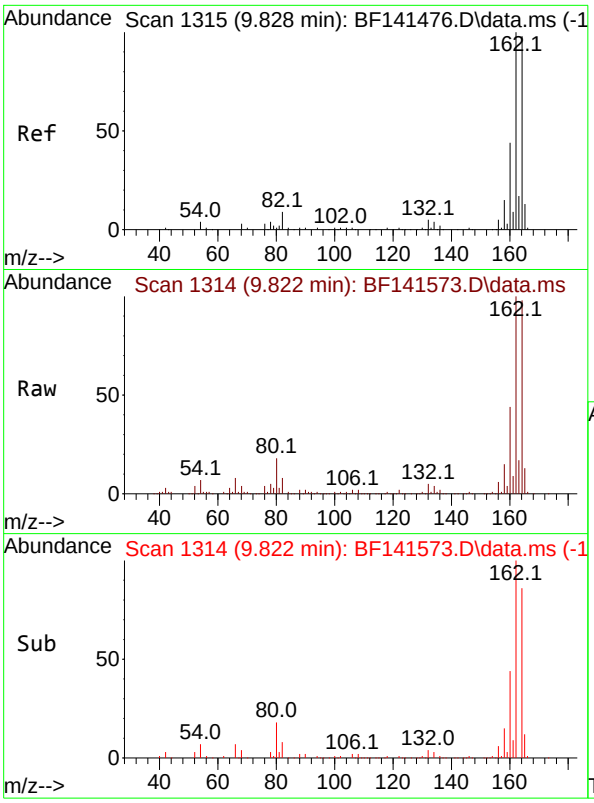




#38
1-Methylnaphthalene
Concen: 43.831 ng
RT: 8.880 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:142 Resp: 412932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.1 | 72.1 | 108.1 |



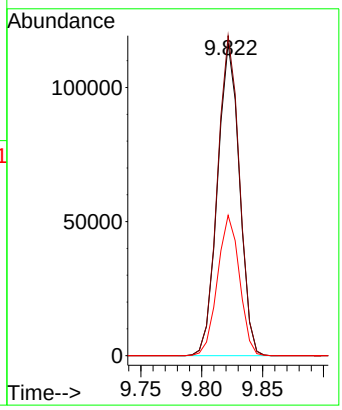


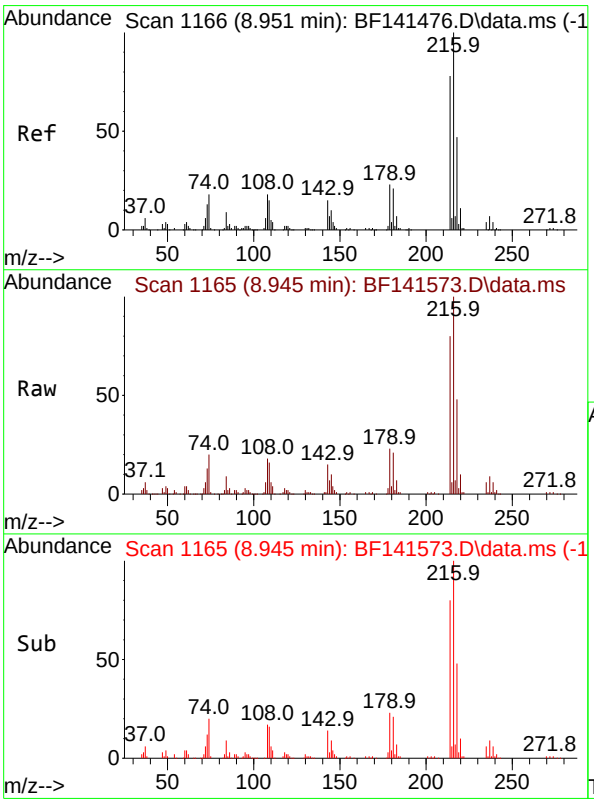

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:164 Resp: 145781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.5 | 81.3 | 121.9 |
| 160 | 45.0 | 35.9 | 53.9 |

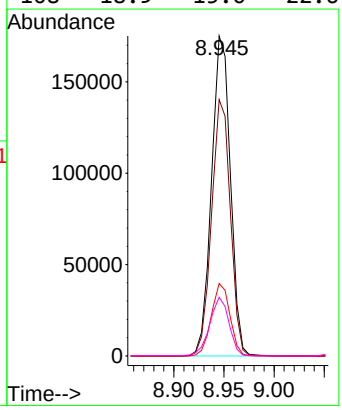


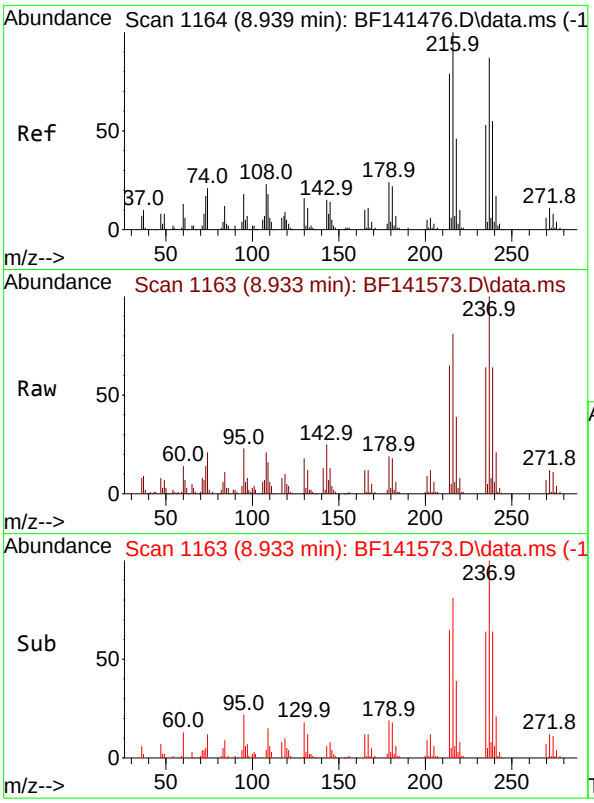




#40
1,2,4,5-Tetrachlorobenzene
Concen: 54.076 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:216 Resp: 228072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.9 | 62.3 | 93.5 |
| 179 | 22.3 | 18.0 | 27.0 |
| 108 | 18.9 | 15.0 | 22.6 |



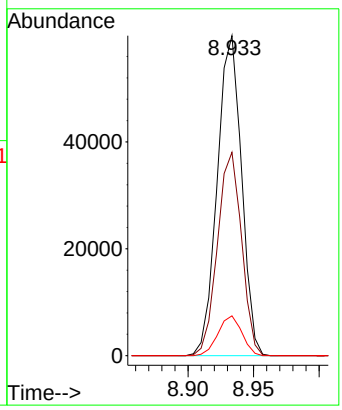


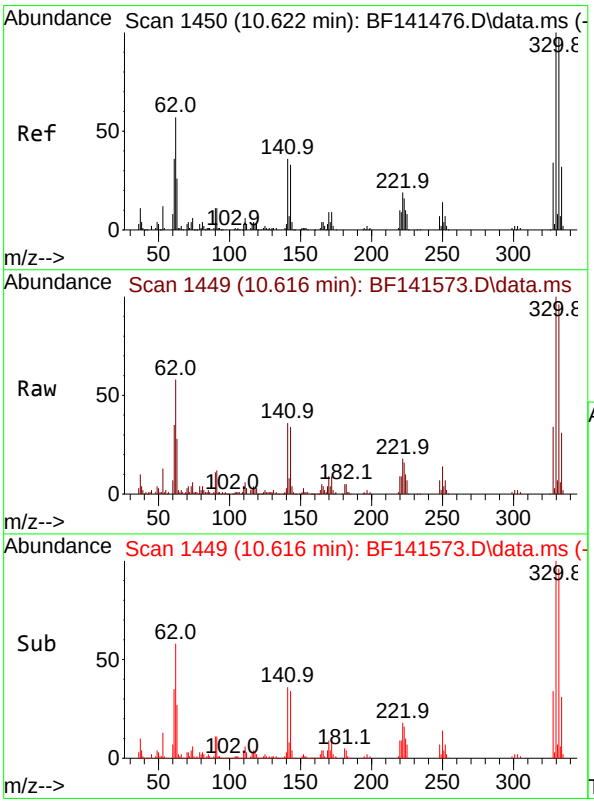

#41
Hexachlorocyclopentadiene
Concen: 54.979 ng
RT: 8.933 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:237 Resp: 77126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.5 | 41.4 | 81.4 |
| 272 | 12.4 | 0.0 | 32.4 |

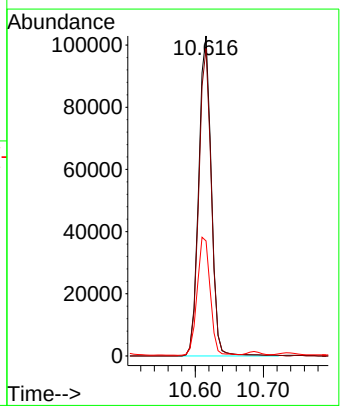


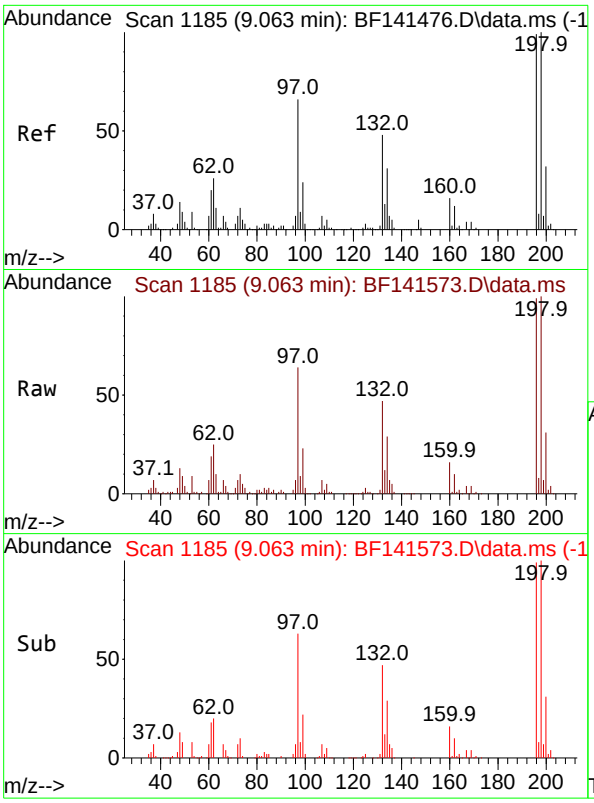




#42
2,4,6-Tribromophenol
Concen: 90.230 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:330 Resp: 132136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.0 | 78.5 | 117.7 |
| 141 | 38.0 | 31.0 | 46.4 |



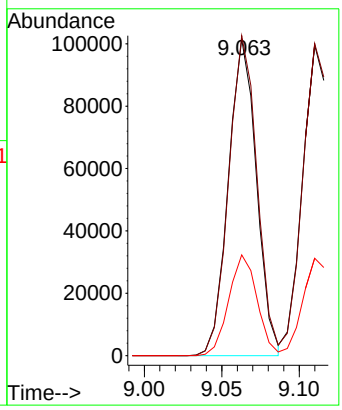


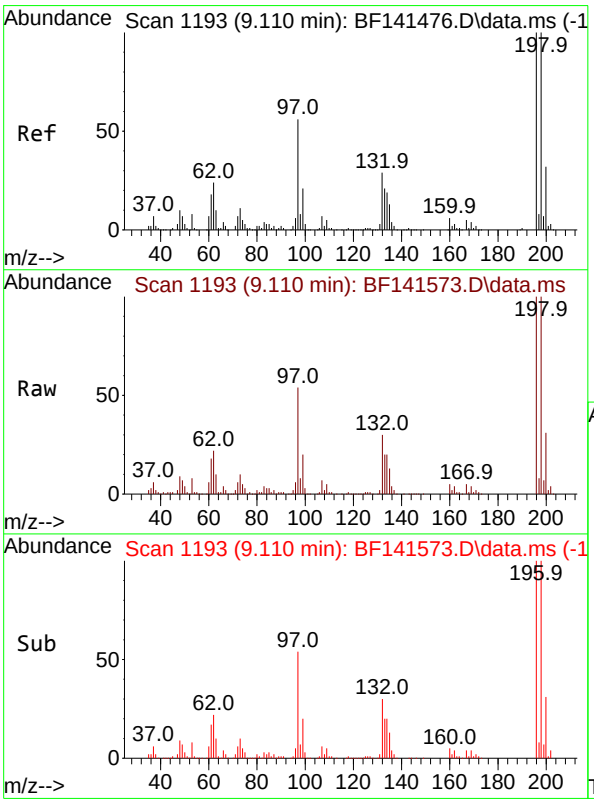

#43
2,4,6-Trichlorophenol
Concen: 46.984 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:196 Resp: 128073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.1 | 80.6 | 121.0 |
| 200 | 31.8 | 25.5 | 38.3 |

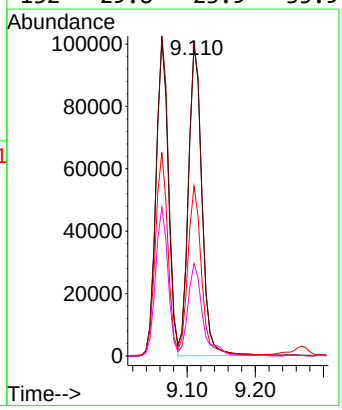


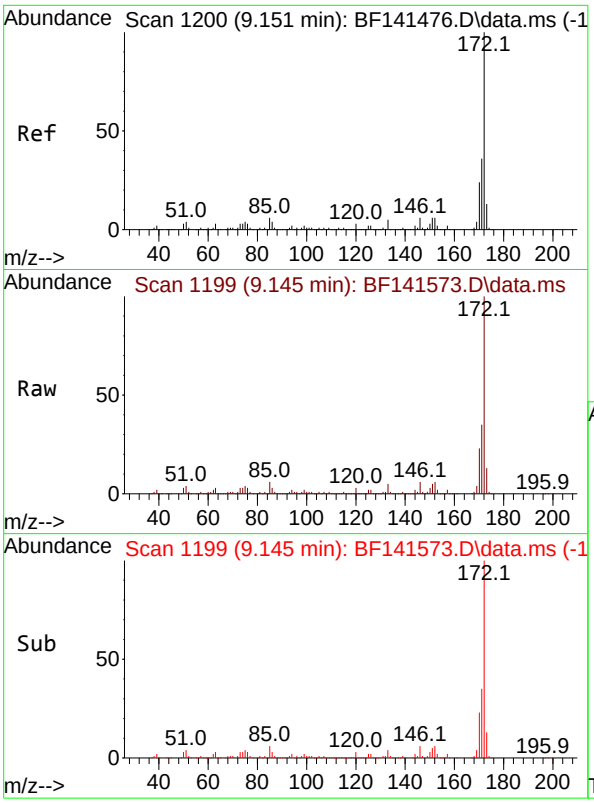




#44
2,4,5-Trichlorophenol
Concen: 45.990 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:196 Resp: 135865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.5 | 79.8 | 119.8 |
| 97 | 54.6 | 44.8 | 67.2 |
| 132 | 29.8 | 23.9 | 35.9 |



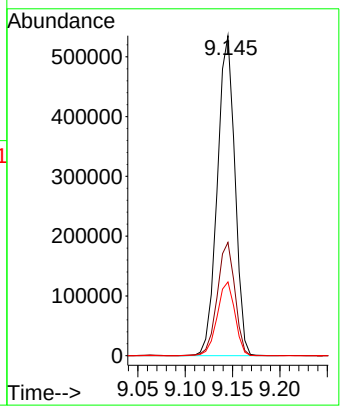


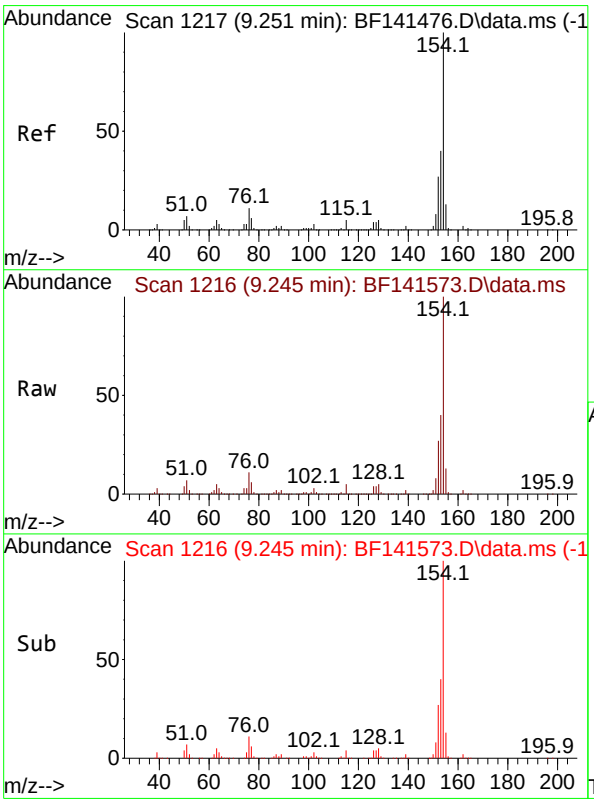

#45
2-Fluorobiphenyl
Concen: 73.176 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:172 Resp: 692418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.7 | 43.1 |
| 170 | 23.1 | 18.9 | 28.3 |

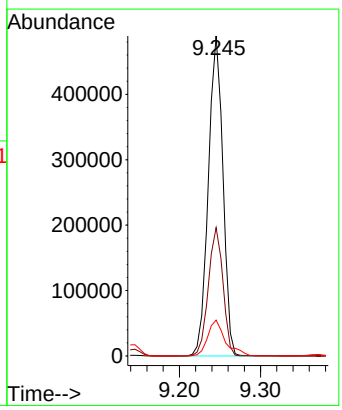


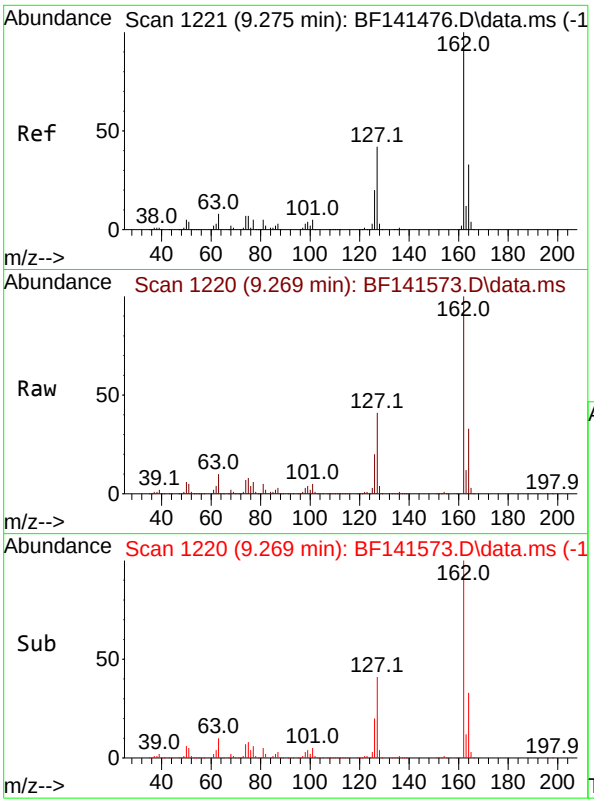




#46
1,1'-Biphenyl
Concen: 53.898 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:154 Resp: 609161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.1 | 20.4 | 60.4 |
| 76 | 11.2 | 0.0 | 30.8 |



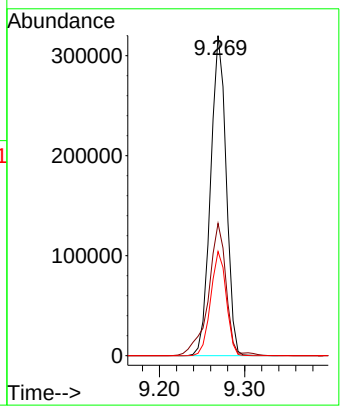


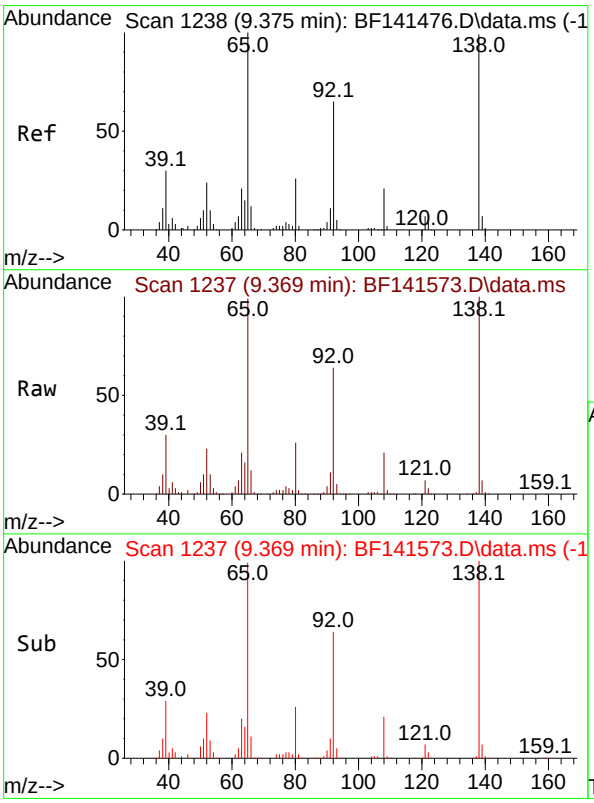

#47
2-Chloronaphthalene
Concen: 48.838 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:162 Resp: 408164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.3 | 34.1 | 51.1 |
| 164 | 32.6 | 26.3 | 39.5 |

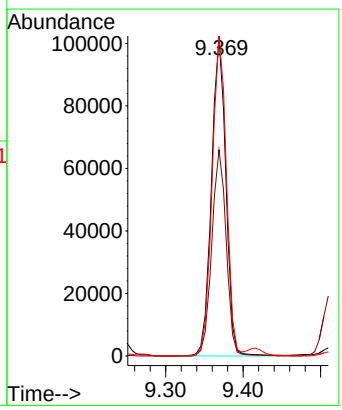


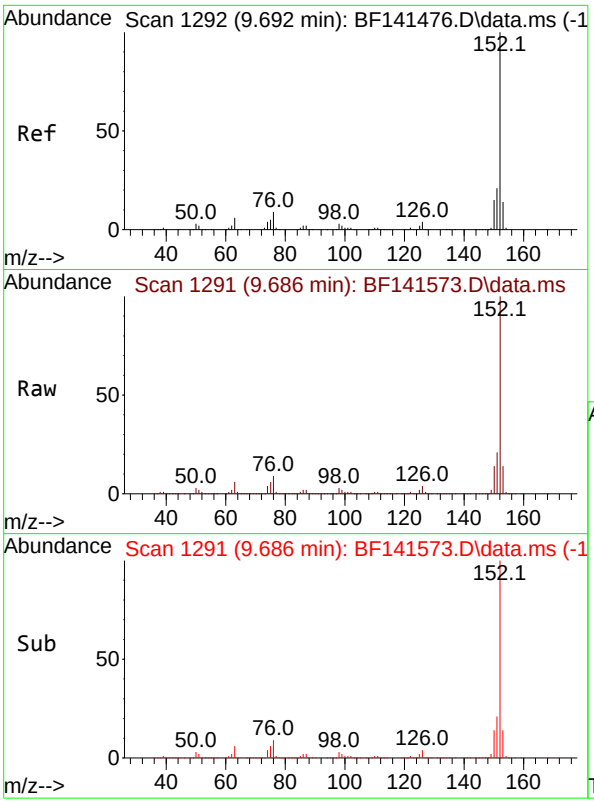




#48
2-Nitroaniline
Concen: 46.820 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion: 65 Resp: 131322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 64.8 | 52.2 | 78.2 |
| 138 | 100.5 | 79.5 | 119.3 |



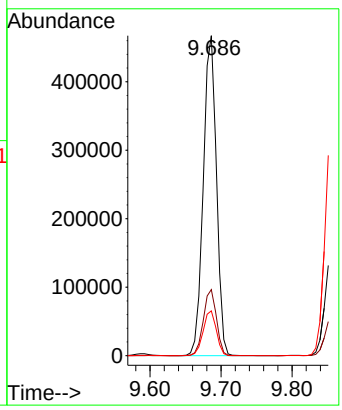


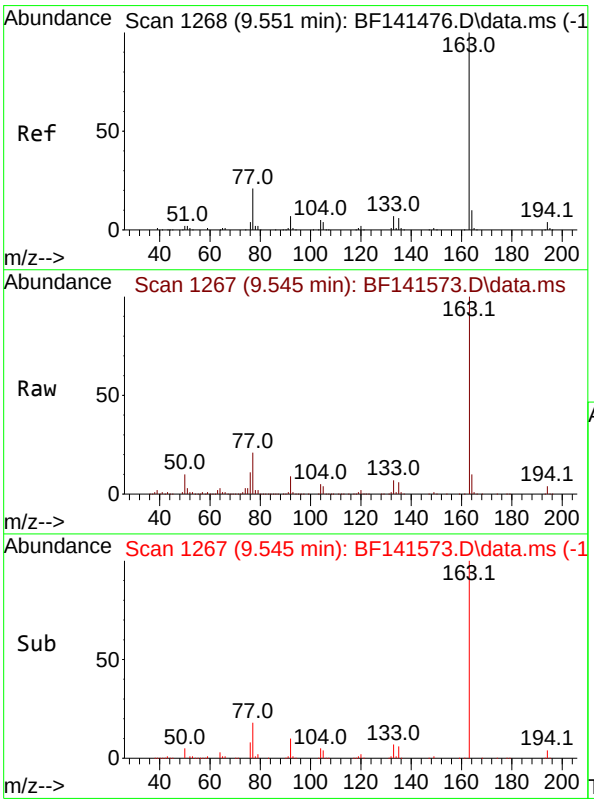

#49
Acenaphthylene
Concen: 48.534 ng
RT: 9.686 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:152 Resp: 603329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.7 | 16.4 | 24.6 |
| 153 | 14.0 | 10.9 | 16.3 |

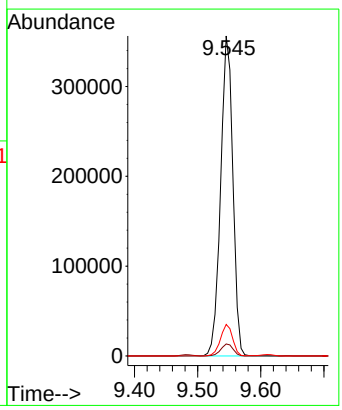


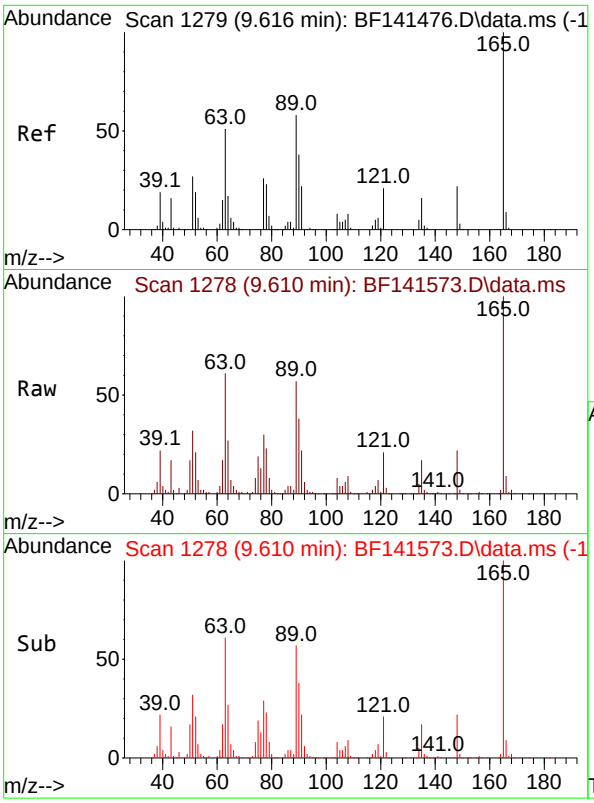




#50
Dimethylphthalate
Concen: 48.758 ng
RT: 9.545 min Scan# 1267
Delta R.T. -0.018 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:163 Resp: 482543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.4 |
| 164 | 9.9 | 7.9 | 11.9 |



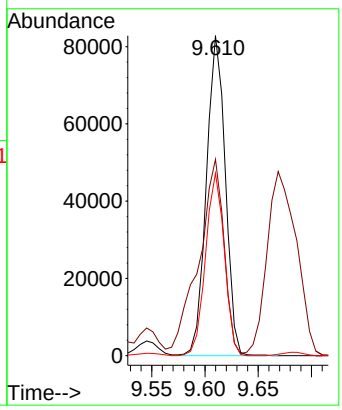


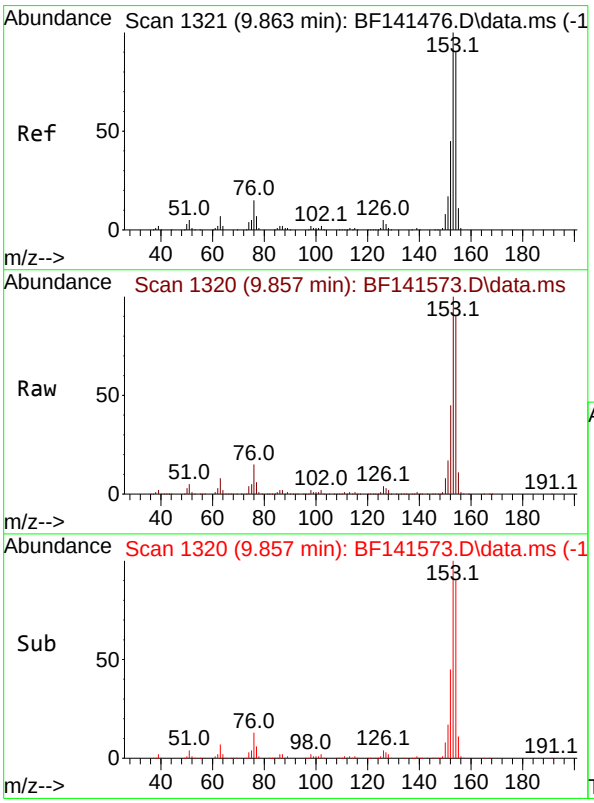

#51
2,6-Dinitrotoluene
Concen: 47.256 ng
RT: 9.610 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:165 Resp: 102238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.4 | 49.4 | 74.0 |
| 89 | 57.0 | 46.5 | 69.7 |

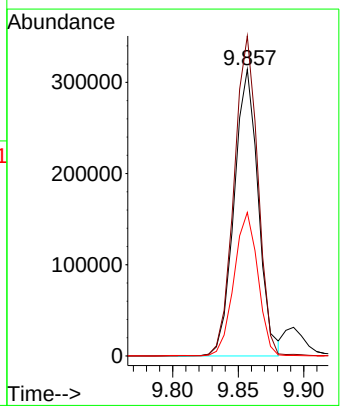


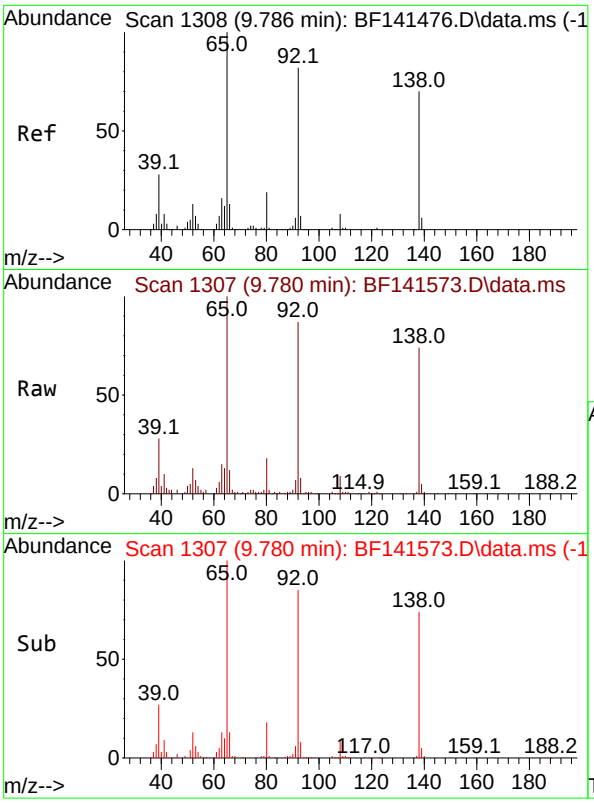




#52
Acenaphthene
Concen: 48.093 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:154 Resp: 401919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.7 | 89.2 | 133.8 |
| 152 | 50.1 | 39.8 | 59.8 |



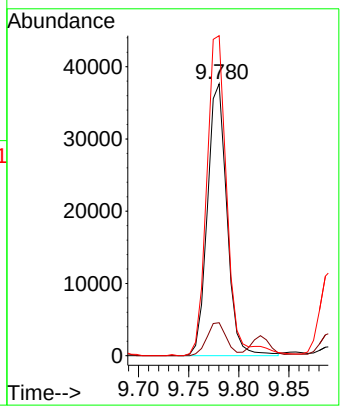


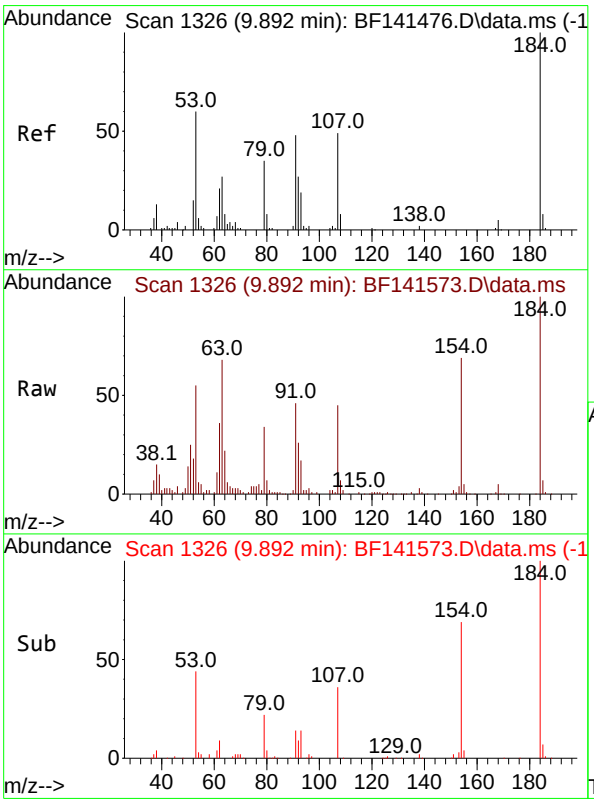

#53
3-Nitroaniline
Concen: 21.873 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:138 Resp: 50932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 12.1 | 9.0 | 13.4 |
| 92 | 117.7 | 93.7 | 140.5 |

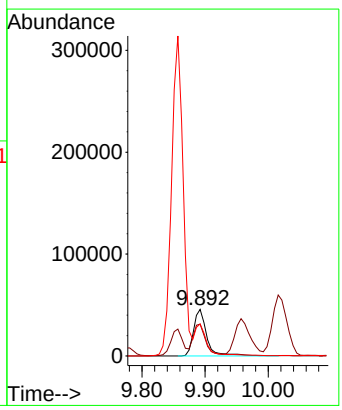


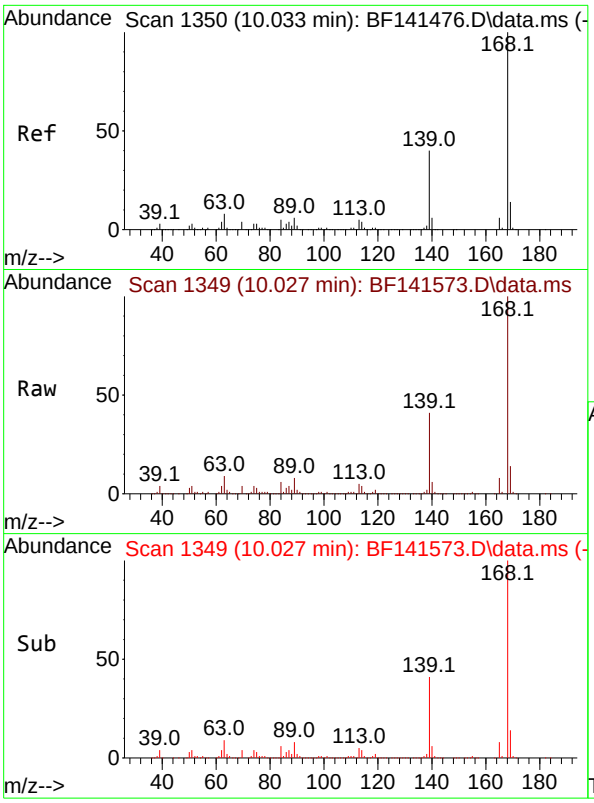




#54
2,4-Dinitrophenol
Concen: 51.885 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:184 Resp: 66715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 68.4 | 61.0 | 91.6 |
| 154 | 68.8 | 59.9 | 89.9 |



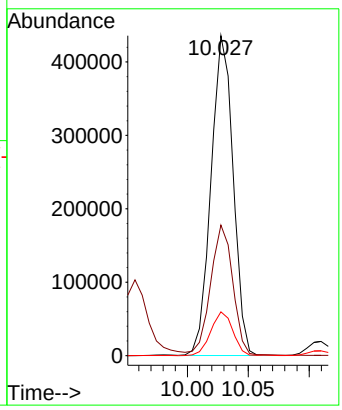


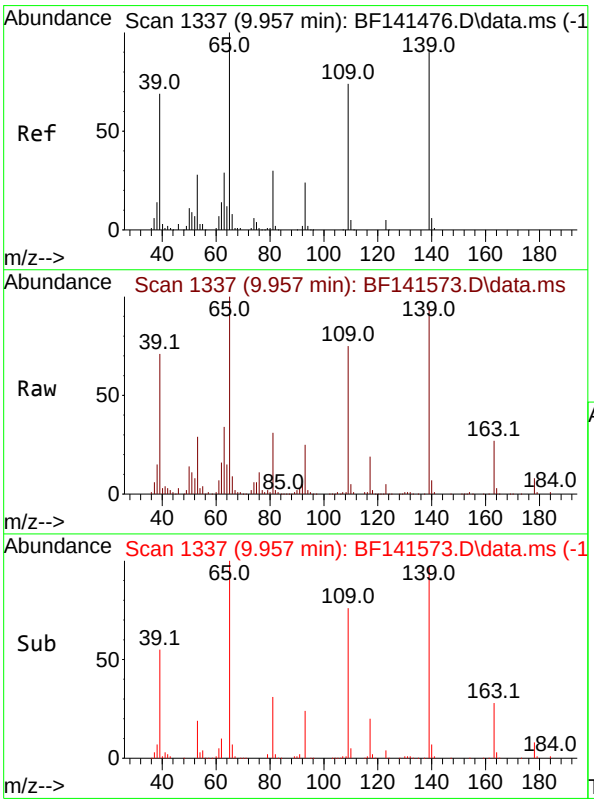

#55
Dibenzofuran
Concen: 44.876 ng
RT: 10.027 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:168 Resp: 550486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.8 | 32.7 | 49.1 |
| 169 | 13.7 | 10.8 | 16.2 |

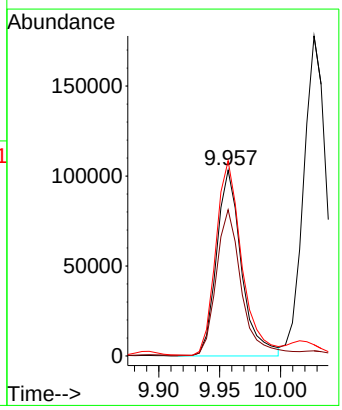


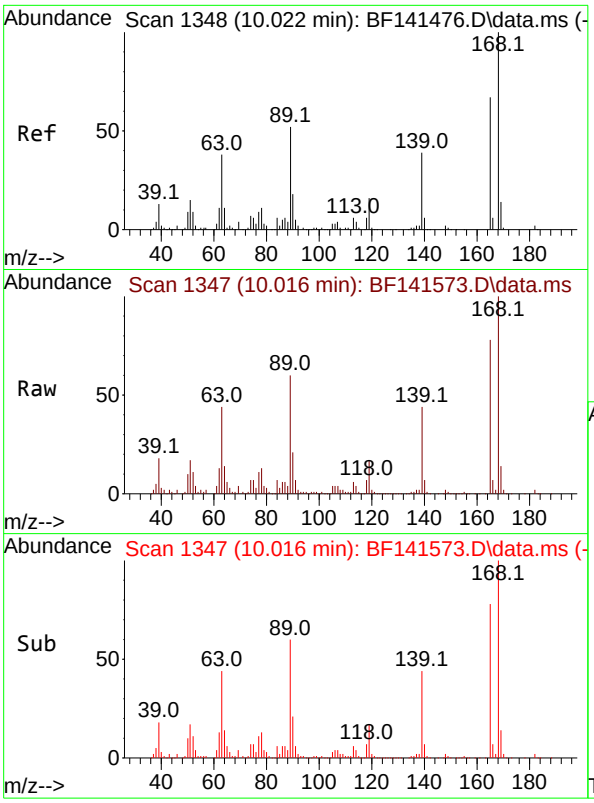




#56
4-Nitrophenol
Concen: 84.902 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:139 Resp: 146759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 78.7 | 62.0 | 102.0 |
| 65 | 105.1 | 91.2 | 131.2 |



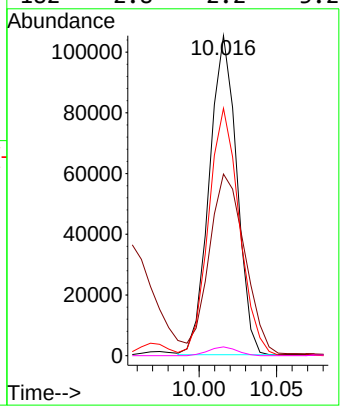


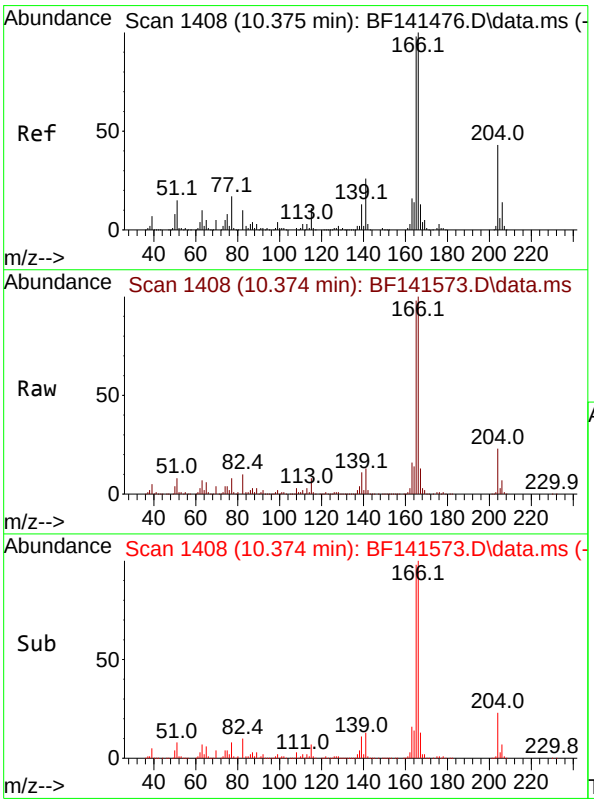

#57
2,4-Dinitrotoluene
Concen: 44.933 ng
RT: 10.016 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:165 Resp: 129414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 56.8 | 46.4 | 69.6 |
| 89 | 77.3 | 61.8 | 92.6 |
| 182 | 2.8 | 2.2 | 3.2 |

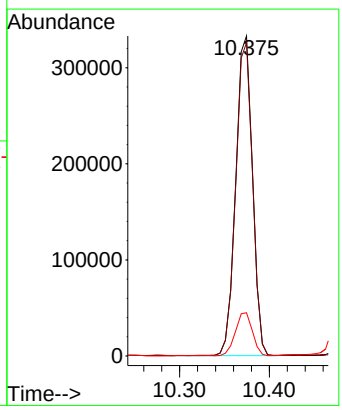


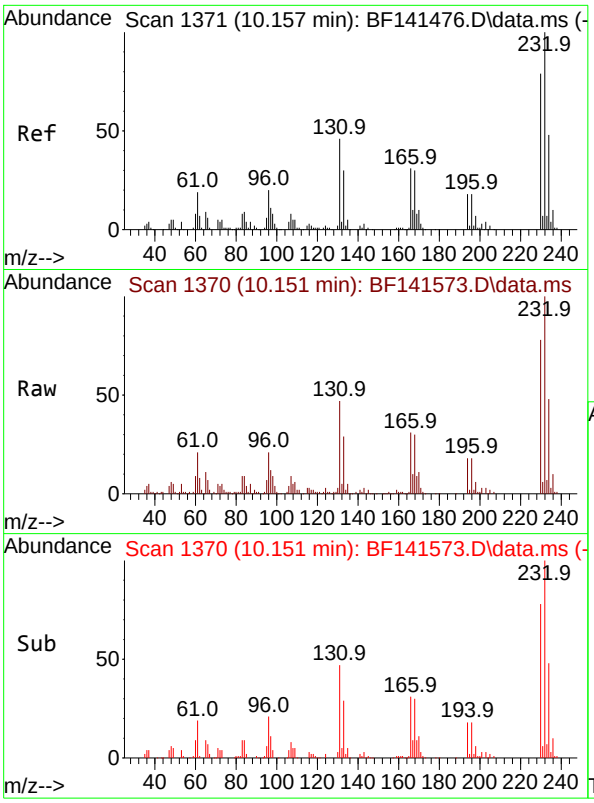




#58
Fluorene
Concen: 45.417 ng
RT: 10.374 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:166 Resp: 430766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.9 | 78.2 | 117.2 |
| 167 | 13.5 | 10.7 | 16.1 |



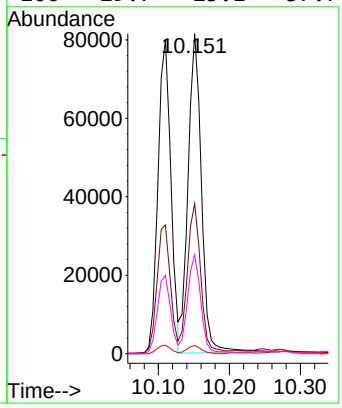


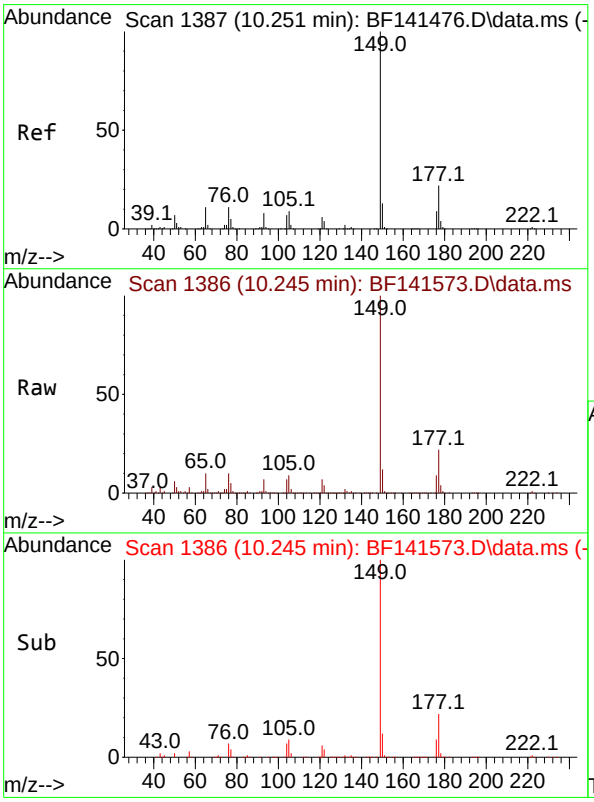

#59
2,3,4,6-Tetrachlorophenol
Concen: 41.913 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:232 Resp: 106602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.5 | 39.2 | 58.8 |
| 130 | 2.7 | 2.1 | 3.1 |
| 166 | 29.7 | 25.1 | 37.7 |

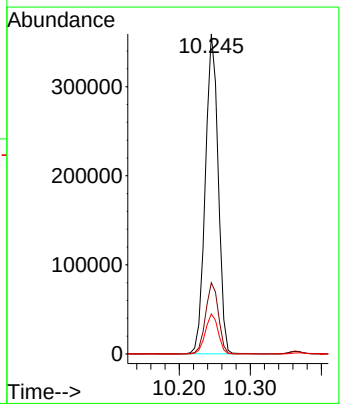


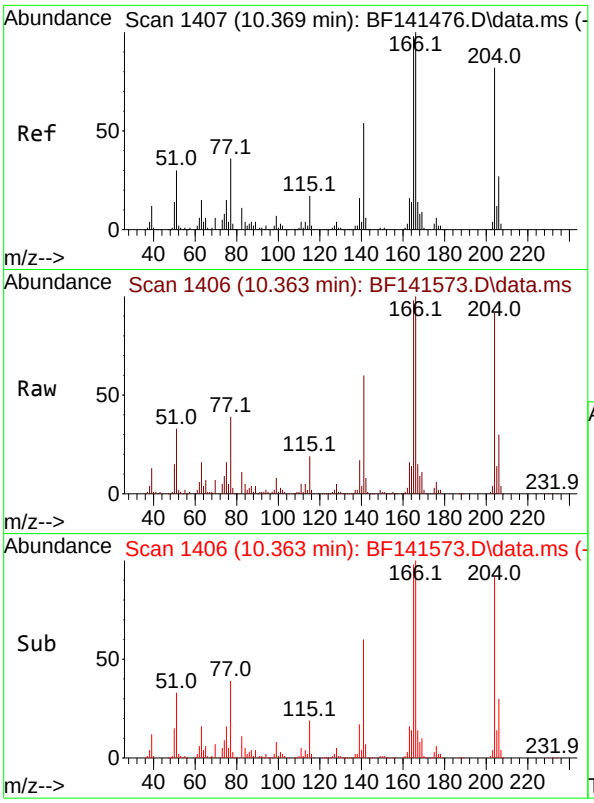




#60
Diethylphthalate
Concen: 46.328 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:149 Resp: 451106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.3 | 17.8 | 26.6 |
| 150 | 12.5 | 10.1 | 15.1 |



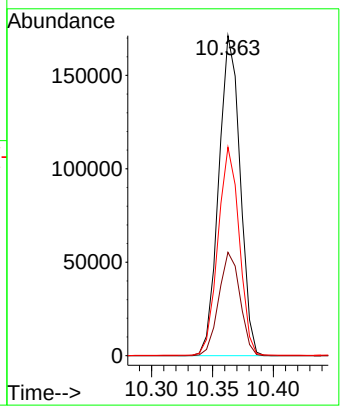


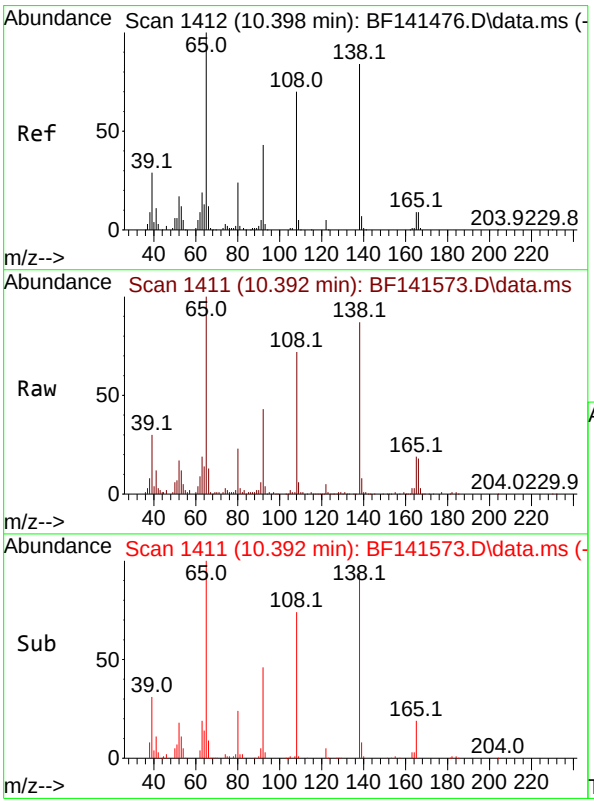

#61
4-Chlorophenyl-phenylether
Concen: 45.869 ng
RT: 10.363 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:204 Resp: 209301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.3 | 26.6 | 40.0 |
| 141 | 65.1 | 51.9 | 77.9 |

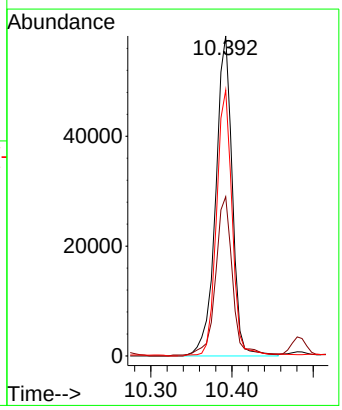


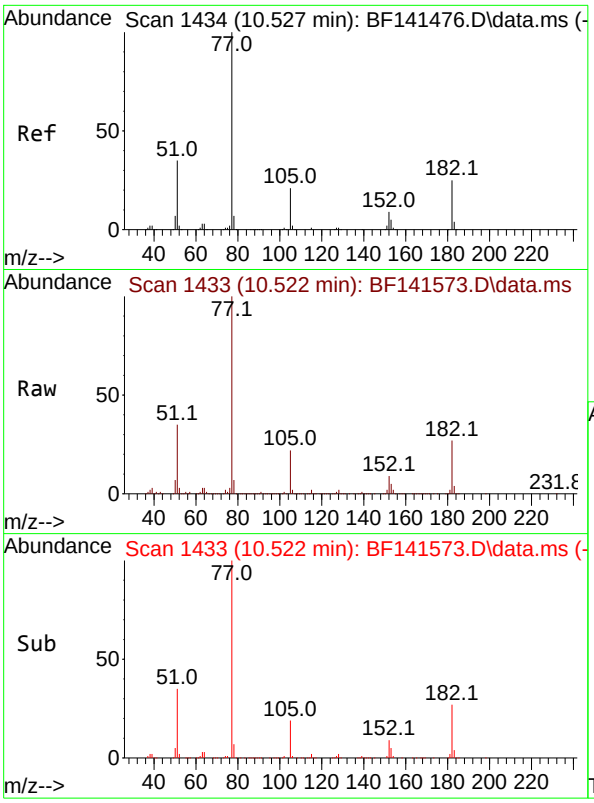




#62
4-Nitroaniline
Concen: 35.158 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:138 Resp: 83129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.7 | 31.3 | 71.3 |
| 108 | 83.1 | 63.7 | 103.7 |



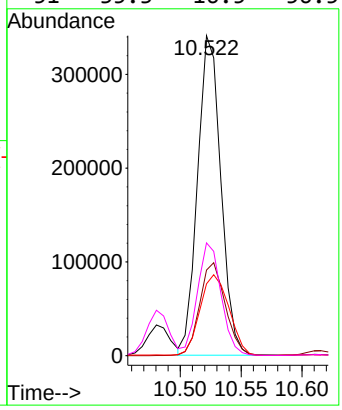


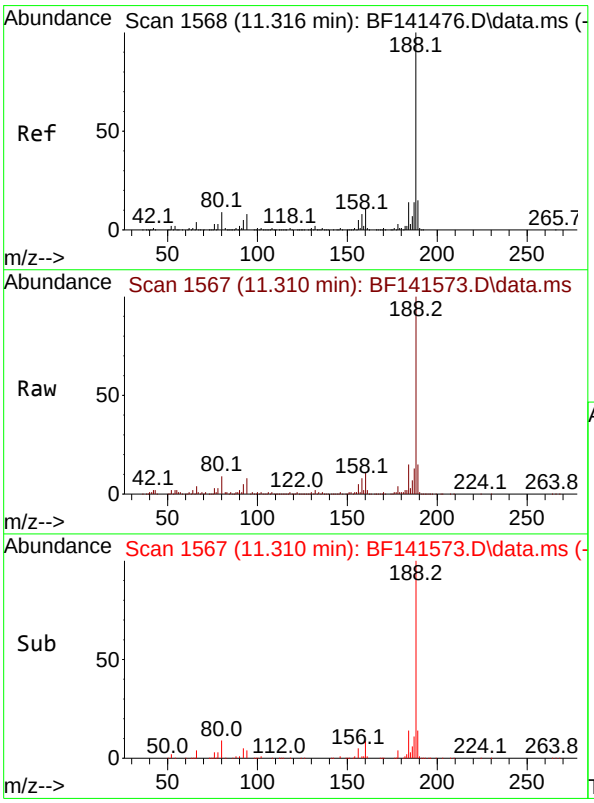

#63
Azobenzene
Concen: 46.886 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion: 77 Resp: 453856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.7 | 4.7 | 44.7 |
| 105 | 22.4 | 0.4 | 40.4 |
| 51 | 35.3 | 16.5 | 56.5 |

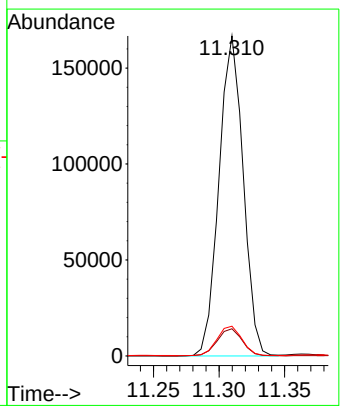


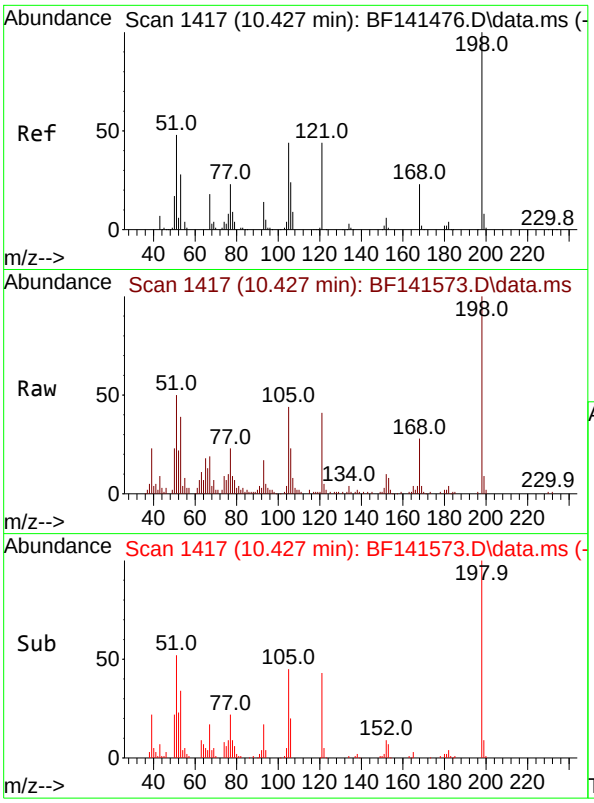




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:188 Resp: 213944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 6.6 | 10.0 |
| 80 | 9.3 | 7.3 | 10.9 |



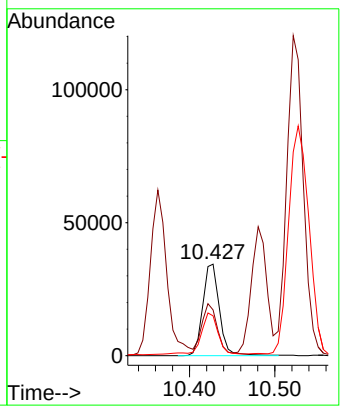


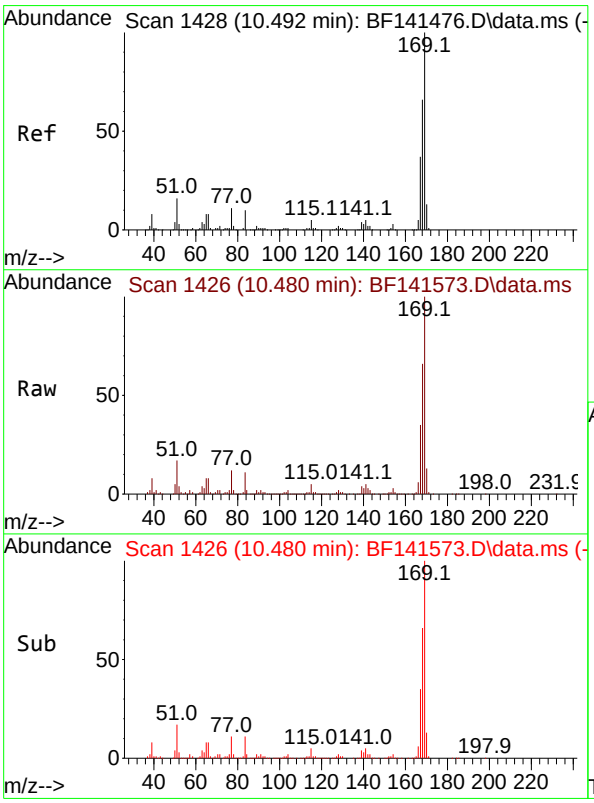

#65
4,6-Dinitro-2-methylphenol
Concen: 31.315 ng
RT: 10.427 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:198 Resp: 46539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 50.0 | 37.4 | 77.4 |
| 105 | 43.5 | 25.2 | 65.2 |

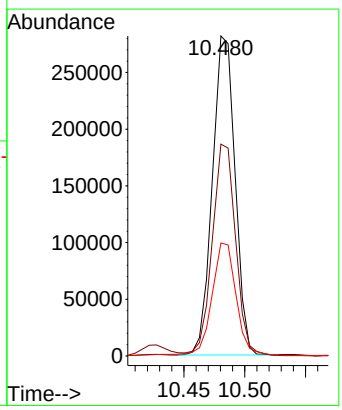


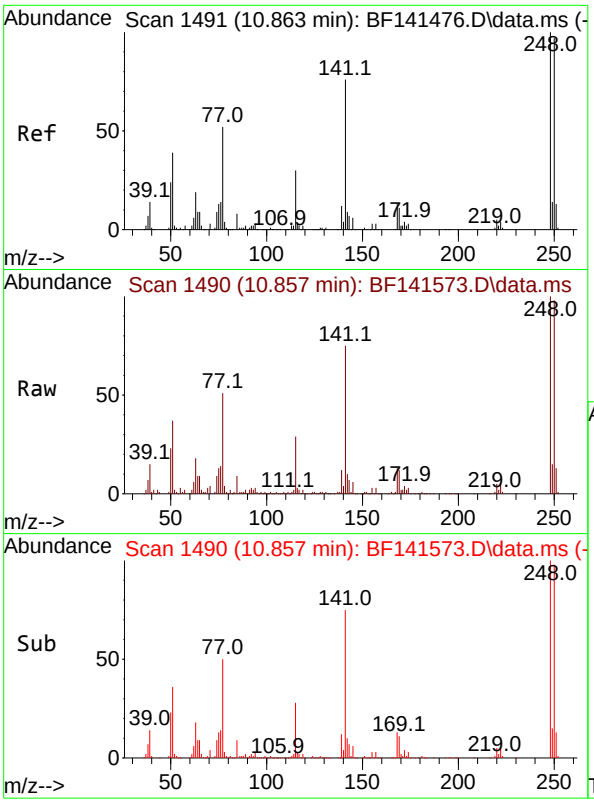




#66
n-Nitrosodiphenylamine
Concen: 53.365 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.018 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:169 Resp: 365475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.2 | 53.3 | 79.9 |
| 167 | 35.3 | 29.4 | 44.2 |



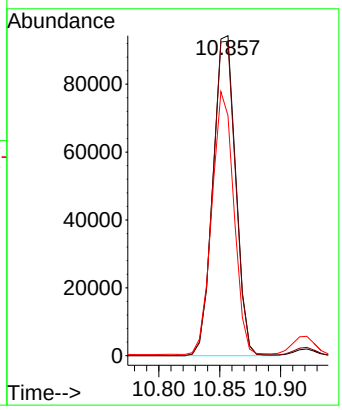


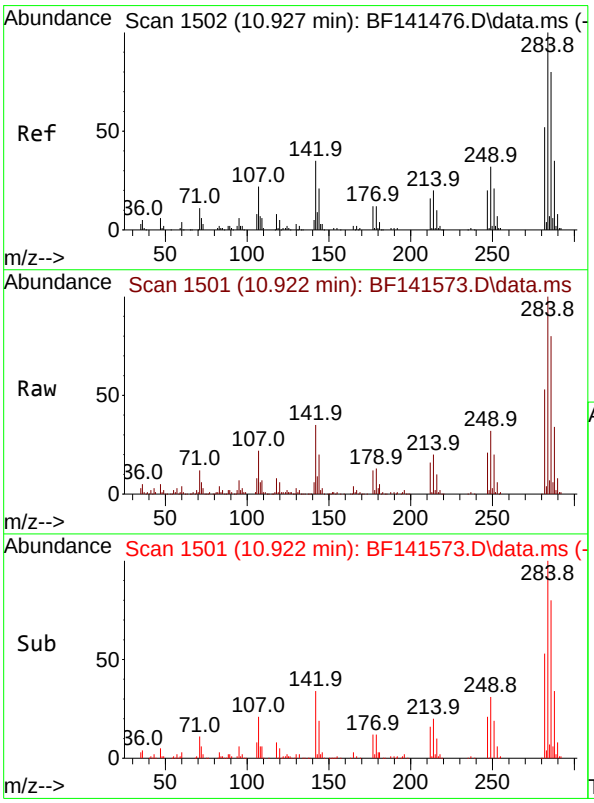

#67
4-Bromophenyl-phenylether
Concen: 51.209 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:248 Resp: 122445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.3 | 77.8 | 116.6 |
| 141 | 75.1 | 60.6 | 90.8 |

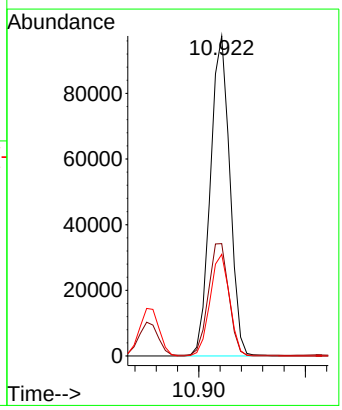


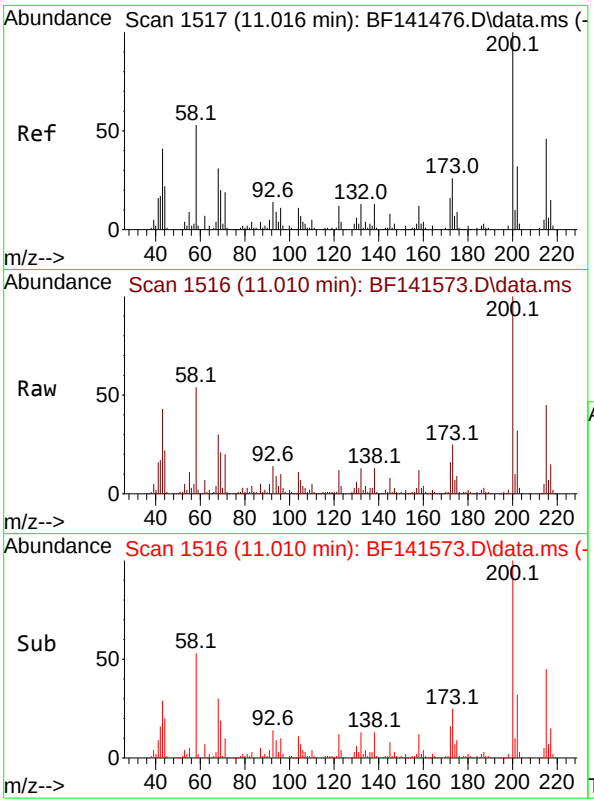




#68
Hexachlorobenzene
Concen: 50.118 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:284 Resp: 123400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 35.1 | 28.0 | 42.0 |
| 249 | 31.8 | 25.8 | 38.8 |



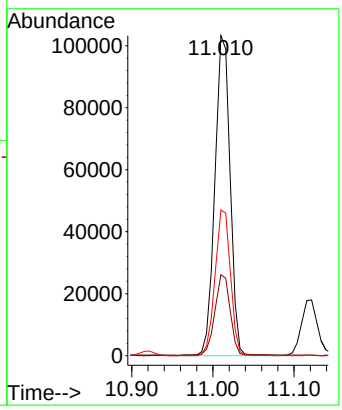


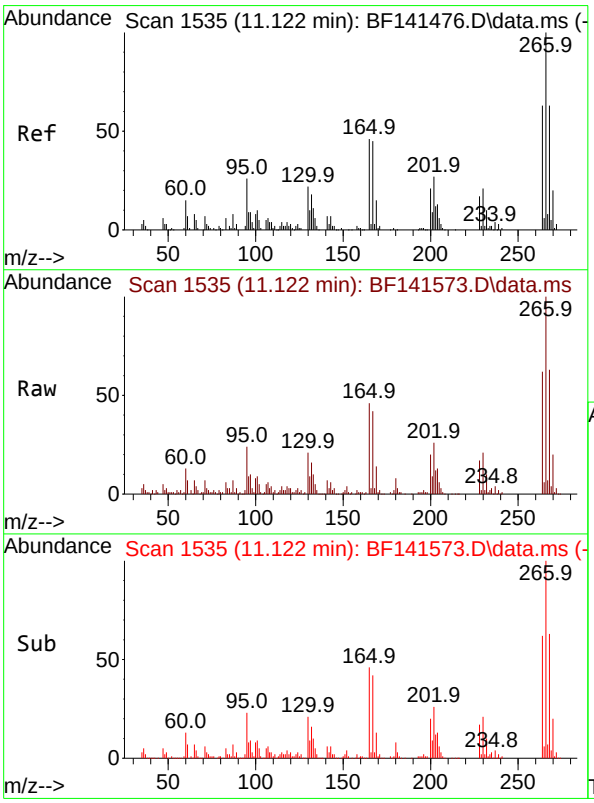

#69
Atrazine
Concen: 65.856 ng
RT: 11.010 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:200 Resp: 135307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.3 | 5.9 | 45.9 |
| 215 | 45.5 | 25.9 | 65.9 |

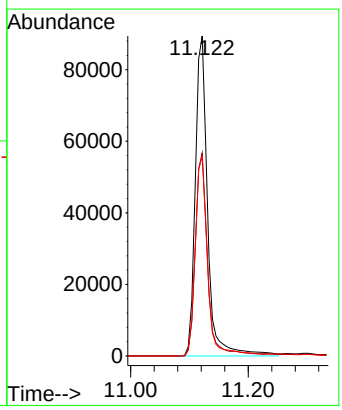


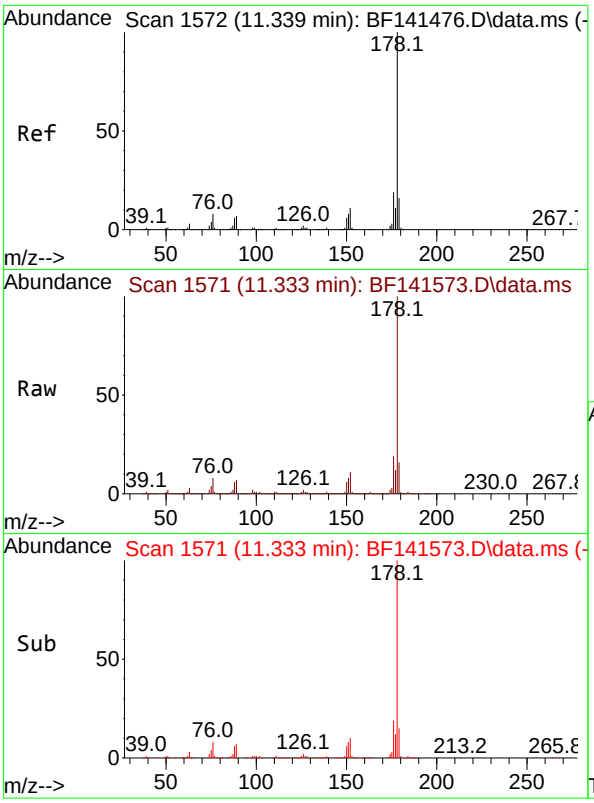




#70
Pentachlorophenol
Concen: 82.874 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:266 Resp: 130475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.4 | 50.1 | 75.1 |
| 264 | 62.4 | 50.1 | 75.1 |



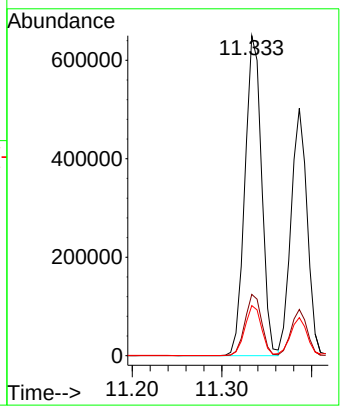


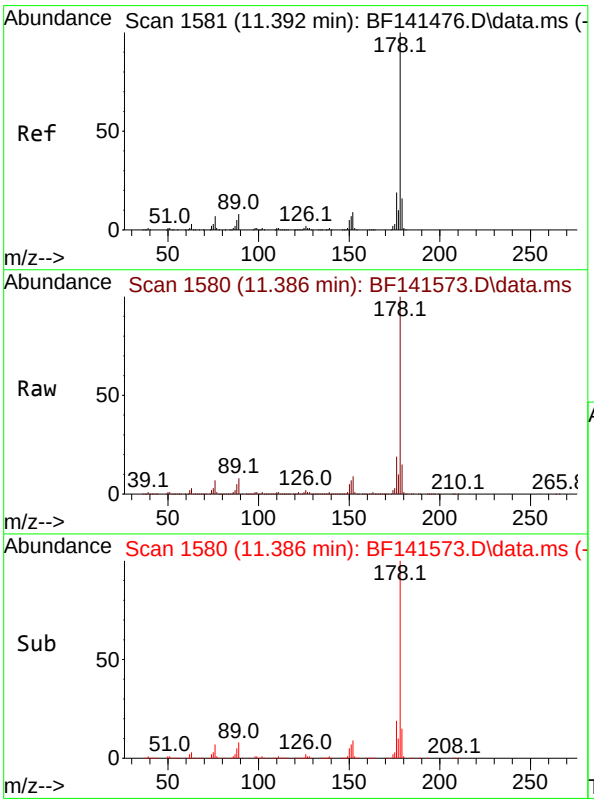

#71
Phenanthrene
Concen: 71.047 ng
RT: 11.333 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:178 Resp: 836700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.4 | 23.0 |
| 179 | 15.7 | 12.4 | 18.6 |

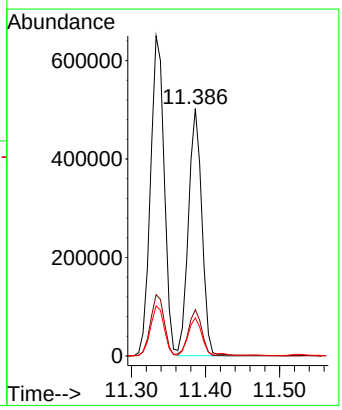


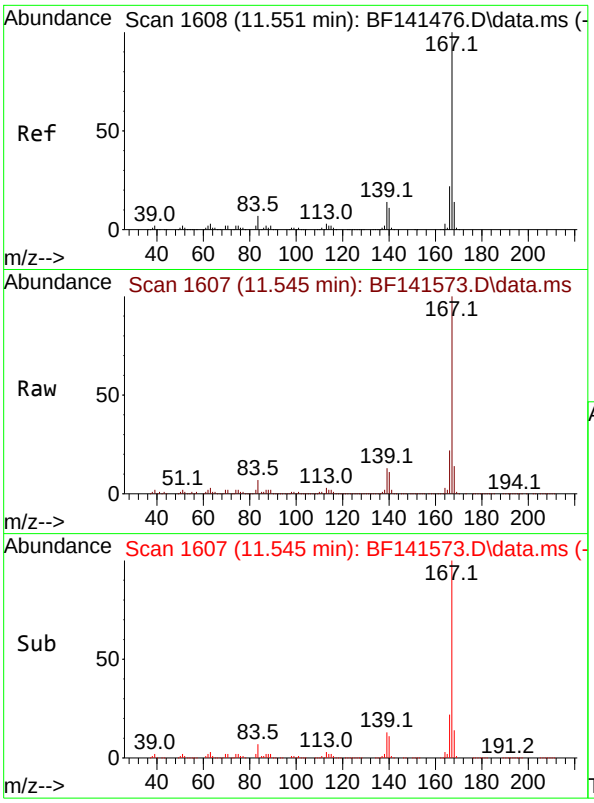




#72
Anthracene
Concen: 53.219 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:178 Resp: 630026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 14.8 | 22.2 |
| 179 | 15.4 | 12.4 | 18.6 |



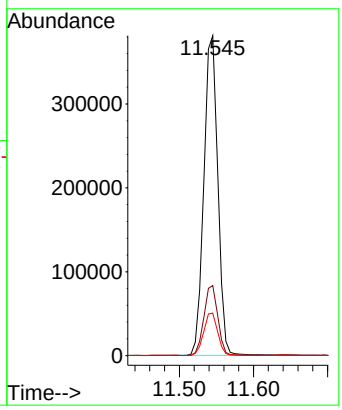


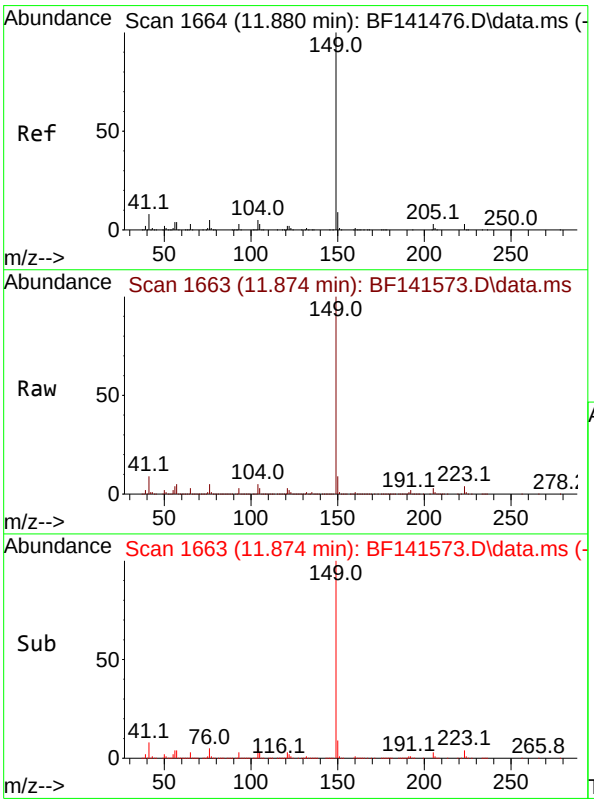

#73
Carbazole
Concen: 46.862 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:167 Resp: 499177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.9 | 17.4 | 26.2 |
| 139 | 13.3 | 10.9 | 16.3 |

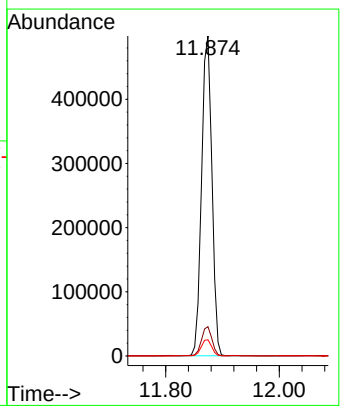


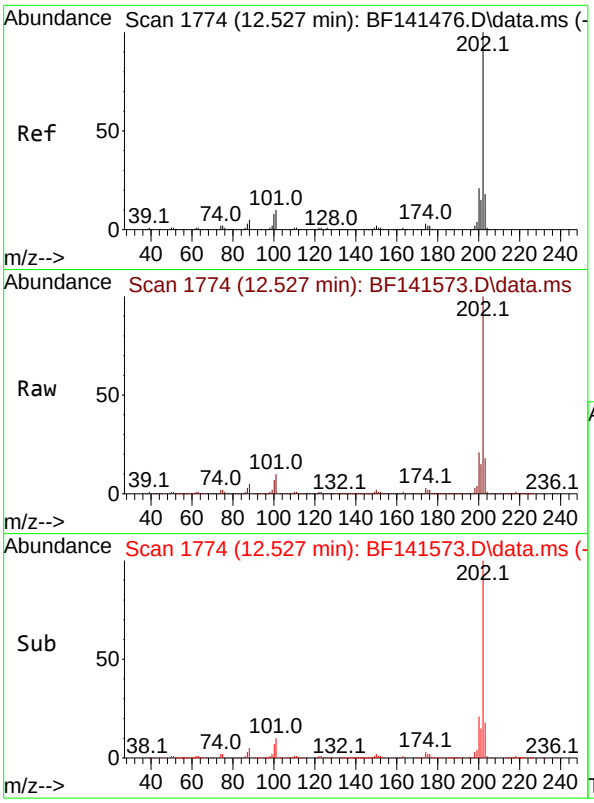




#74
Di-n-butylphthalate
Concen: 51.124 ng
RT: 11.874 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:149 Resp: 628802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.4 | 11.0 |
| 104 | 5.1 | 4.2 | 6.2 |



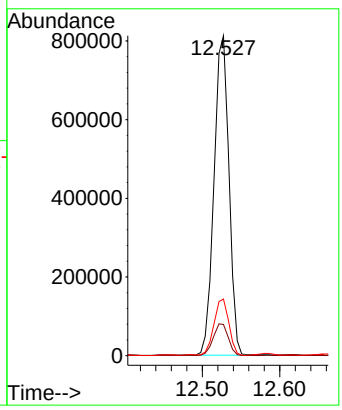


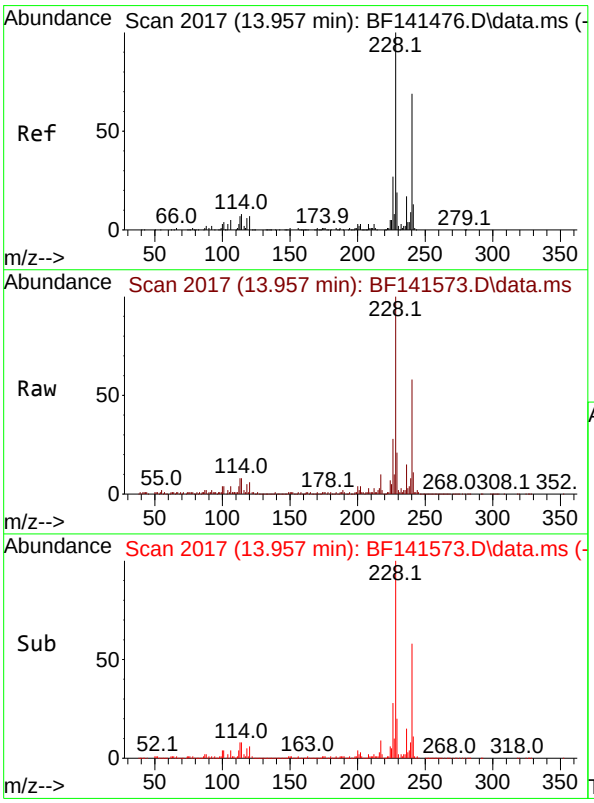

#75
Fluoranthene
Concen: 87.049 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:202 Resp: 1086850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.7 | 0.0 | 30.2 |
| 203 | 17.7 | 0.0 | 37.6 |

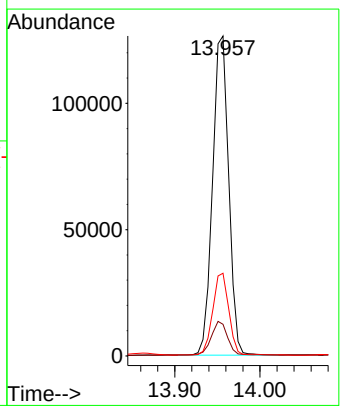


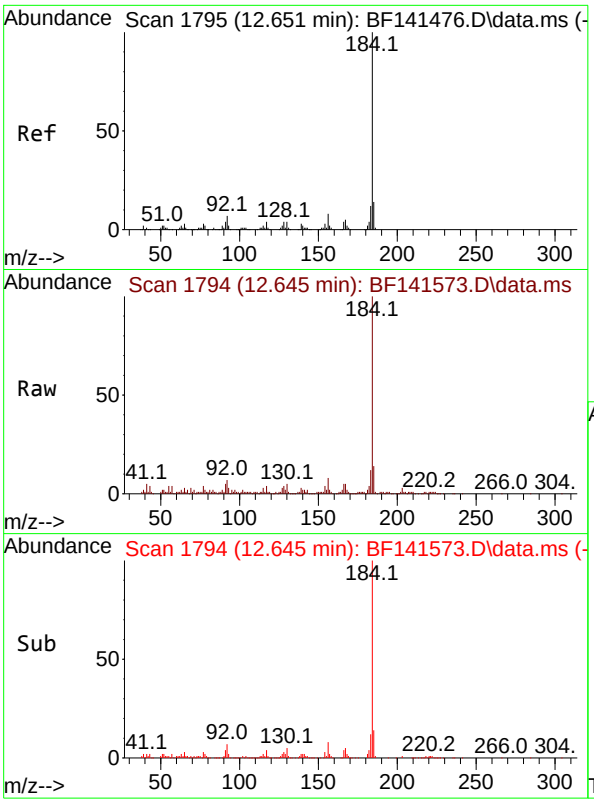




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:240 Resp: 166810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.9 | 8.0 | 12.0 |
| 236 | 25.9 | 19.8 | 29.8 |



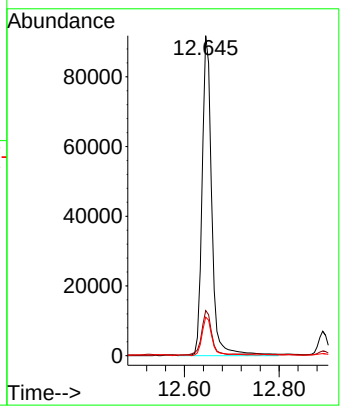


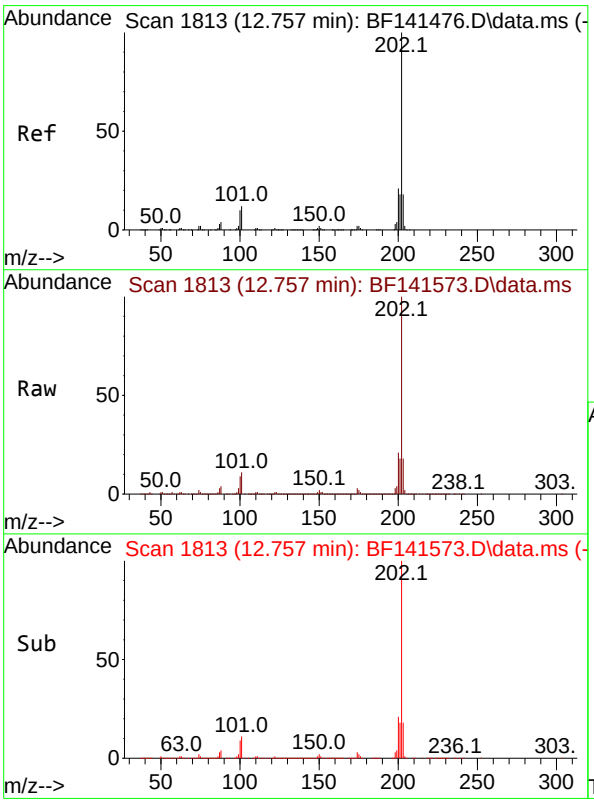

#77
Benzidine
Concen: 35.348 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:184 Resp: 130042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.1 | 11.3 | 16.9 |
| 183 | 12.1 | 9.3 | 13.9 |

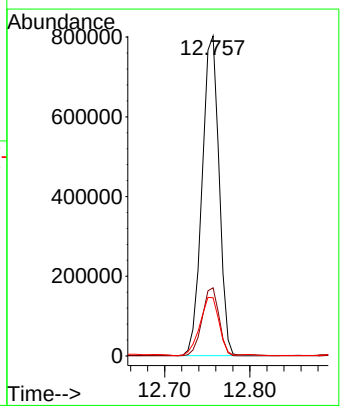


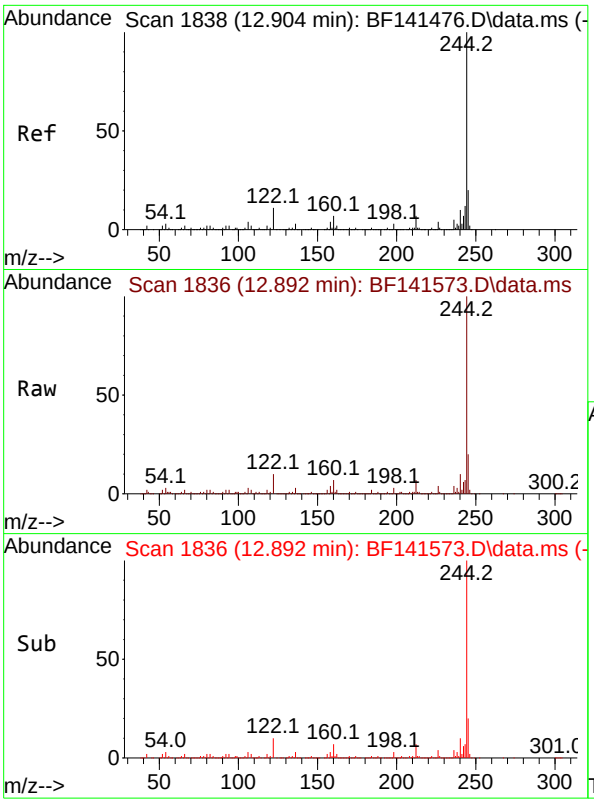




#78
Pyrene
Concen: 78.077 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:202 Resp: 1108693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 17.0 | 25.4 |
| 203 | 18.2 | 14.3 | 21.5 |



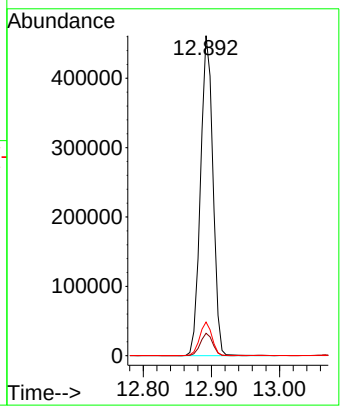


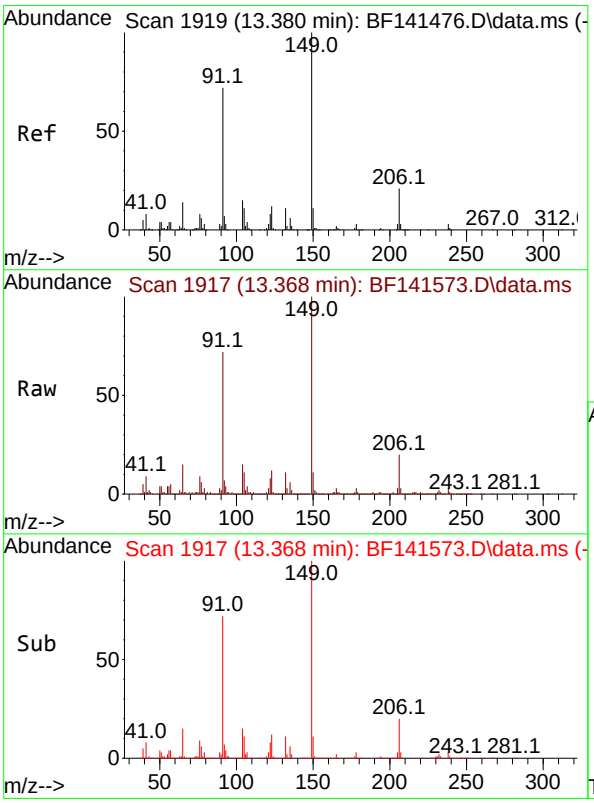

#79
Terphenyl-d14
Concen: 59.034 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:244 Resp: 583318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.6 | 8.4 |
| 122 | 10.5 | 8.4 | 12.6 |

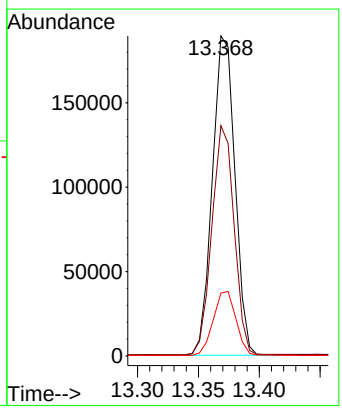


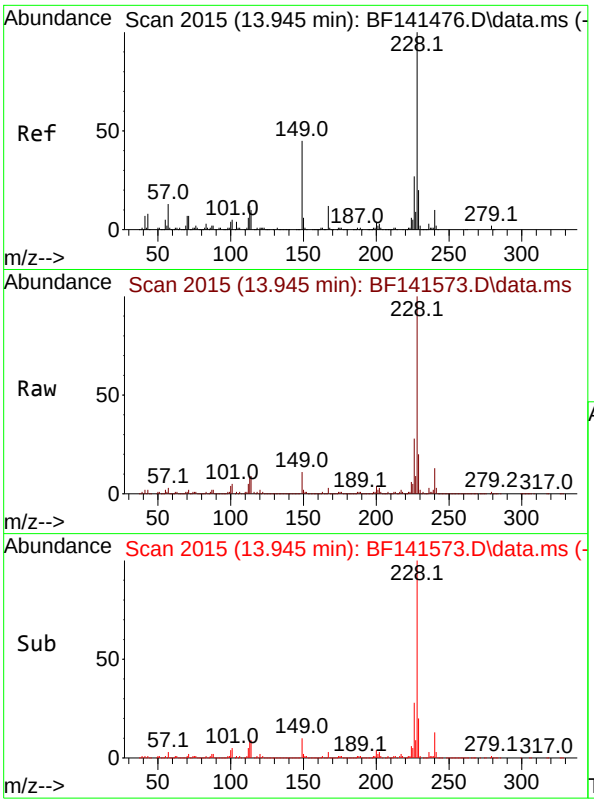




#80
Butylbenzylphthalate
Concen: 49.740 ng
RT: 13.368 min Scan# 1917
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:149 Resp: 244644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.0 | 57.8 | 86.8 |
| 206 | 19.6 | 16.7 | 25.1 |



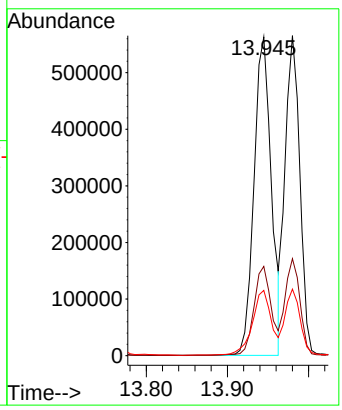


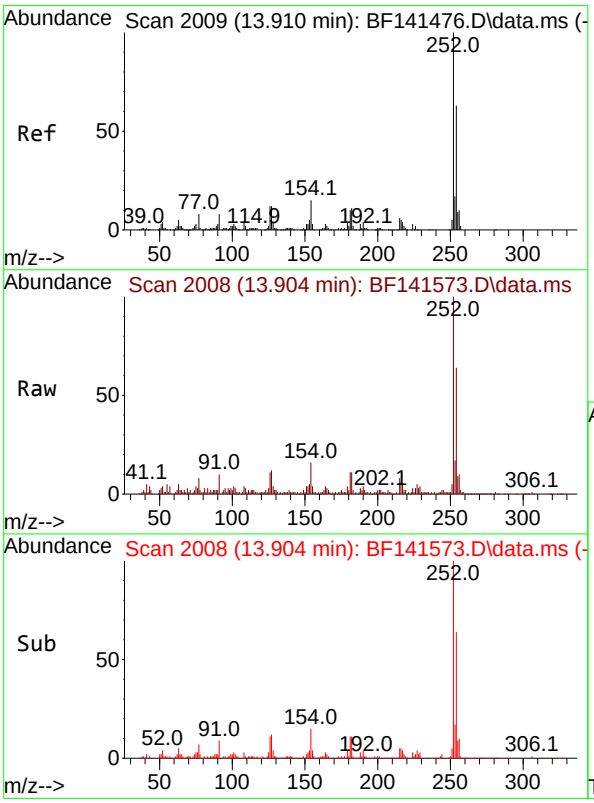

#81
Benzo(a)anthracene
Concen: 75.557 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:228 Resp: 837812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.0 | 21.8 | 32.8 |
| 229 | 20.5 | 15.8 | 23.6 |

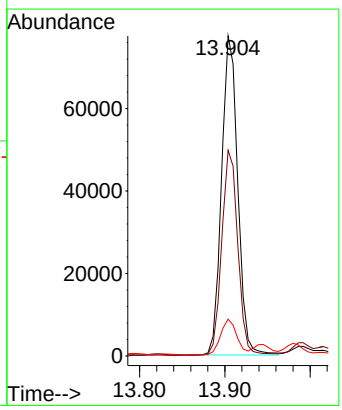


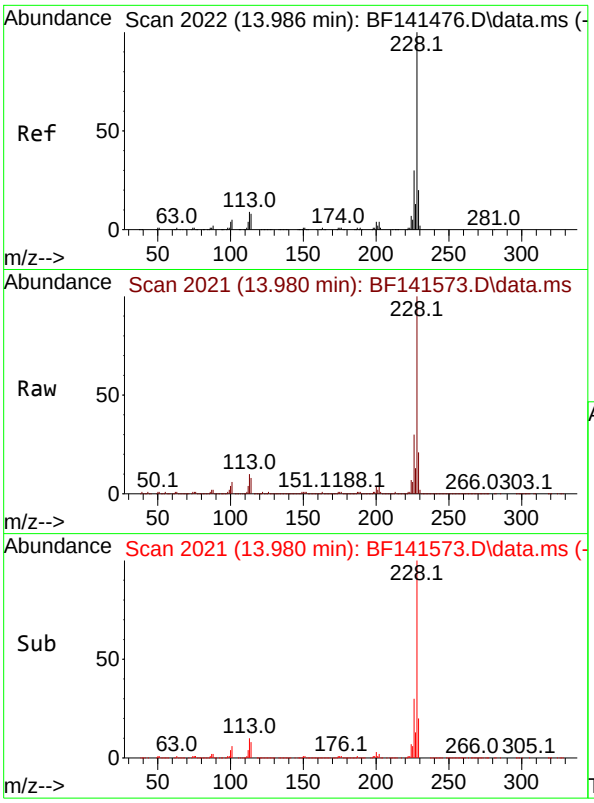




#82
3,3'-Dichlorobenzidine
Concen: 32.116 ng
RT: 13.904 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:252 Resp: 102012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.3 | 50.6 | 76.0 |
| 126 | 11.5 | 9.3 | 13.9 |



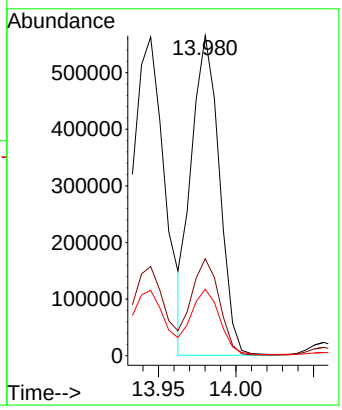


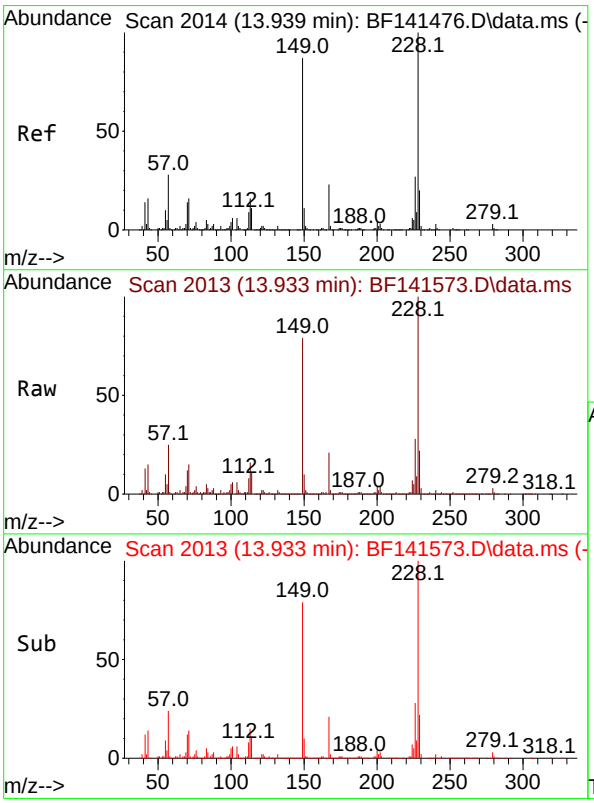

#83
Chrysene
Concen: 69.316 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:228 Resp: 709686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.0 | 36.0 |
| 229 | 20.8 | 15.7 | 23.5 |

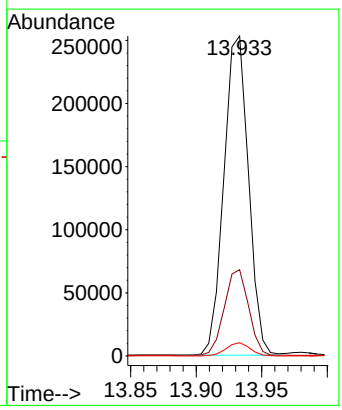


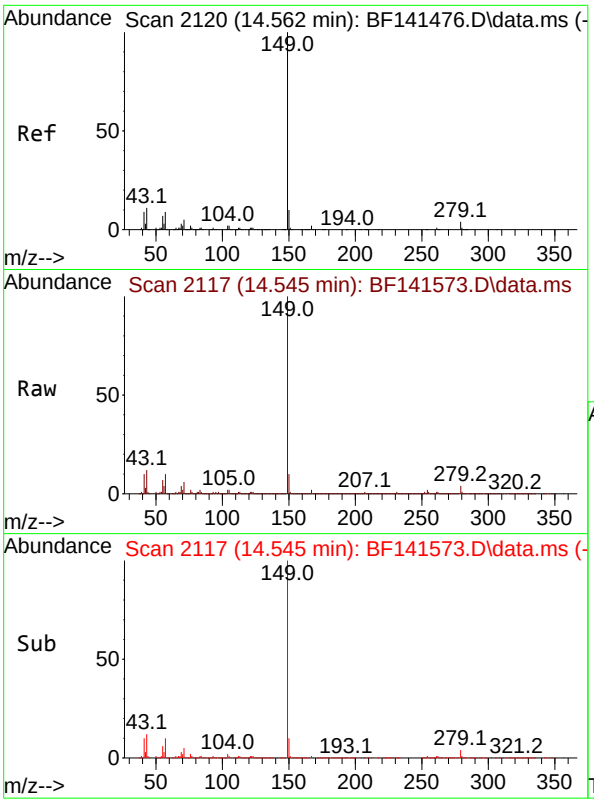




#84
Bis(2-ethylhexyl)phthalate
Concen: 59.518 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:149 Resp: 330164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.0 | 21.4 | 32.0 |
| 279 | 4.1 | 3.1 | 4.7 |



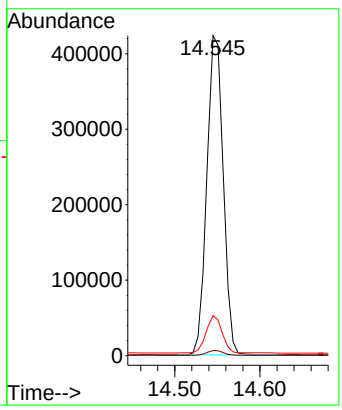


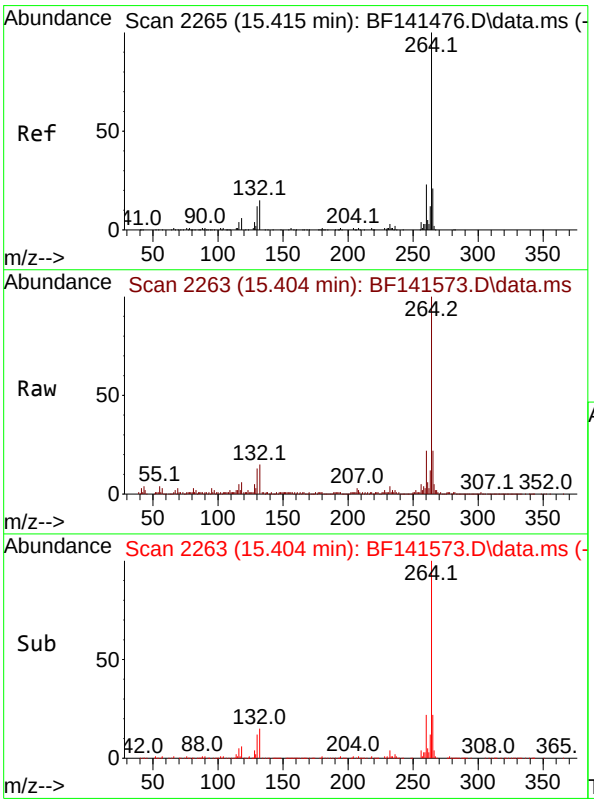

#85
Di-n-octyl phthalate
Concen: 71.362 ng
RT: 14.545 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:149 Resp: 564735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 11.3 | 9.5 | 14.3 |

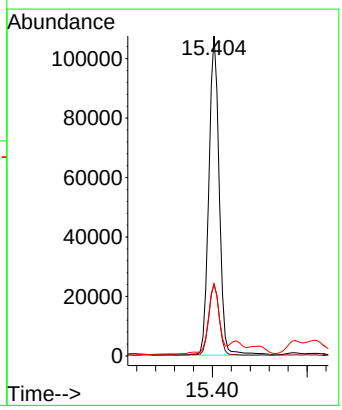


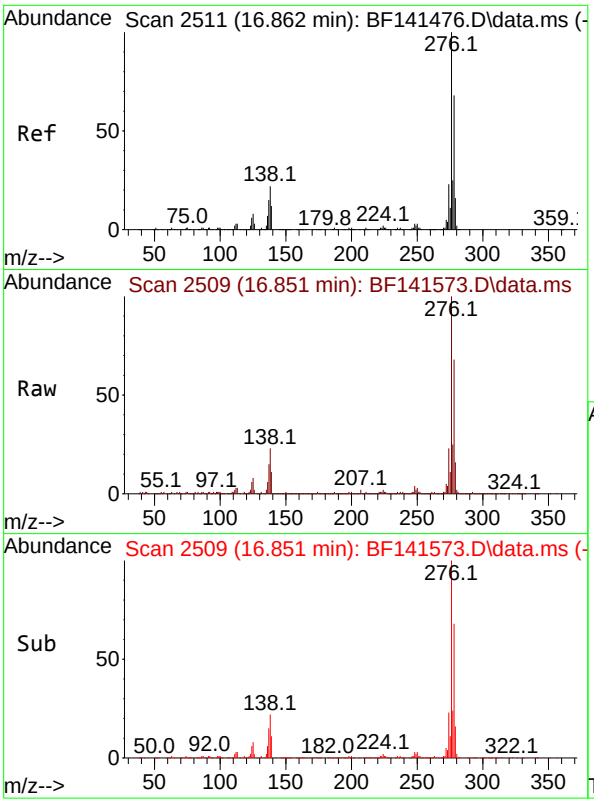




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2263
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:264 Resp: 163116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.5 | 18.6 | 28.0 |
| 265 | 22.5 | 17.0 | 25.4 |



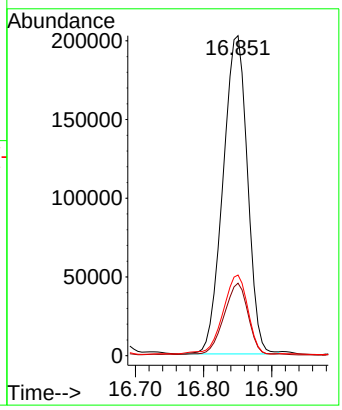


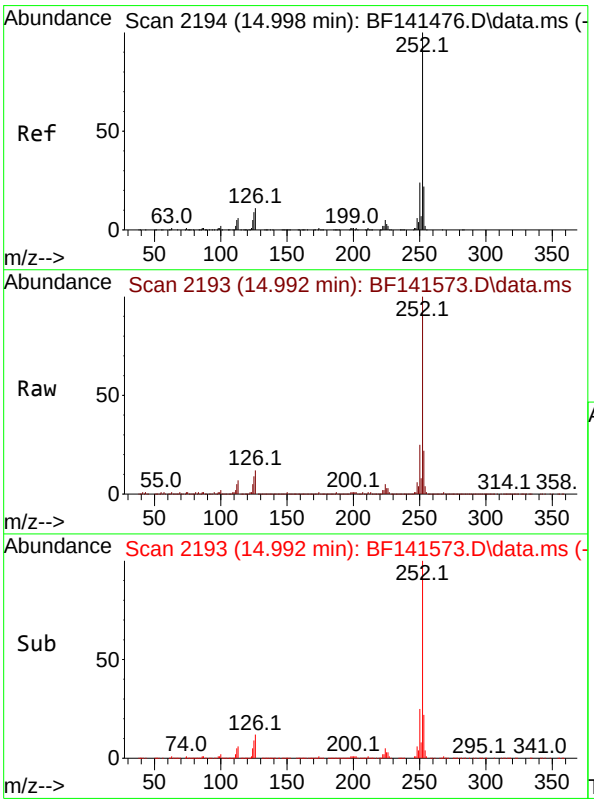

#87
Indeno(1,2,3-cd)pyrene
Concen: 50.115 ng
RT: 16.851 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:276 Resp: 505098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.8 | 18.0 | 27.0 |
| 277 | 25.1 | 20.4 | 30.6 |

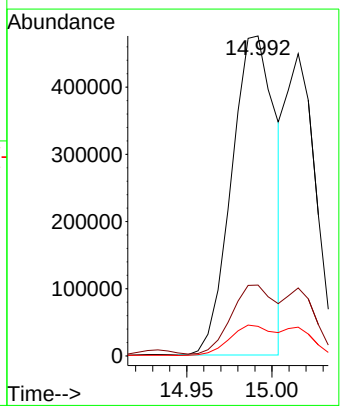


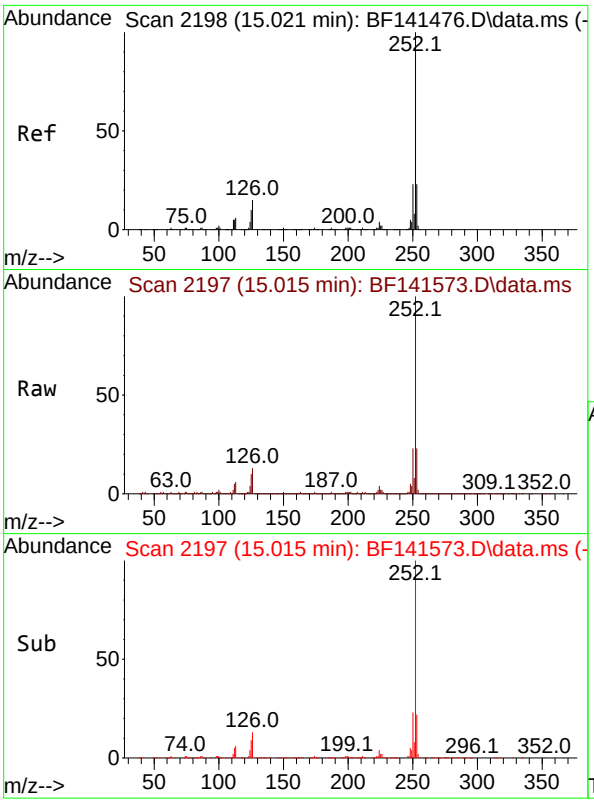




#88
Benzo(b)fluoranthene
Concen: 77.326 ng
RT: 14.992 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:252 Resp: 846904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.5 | 26.3 |
| 125 | 9.3 | 7.0 | 10.6 |



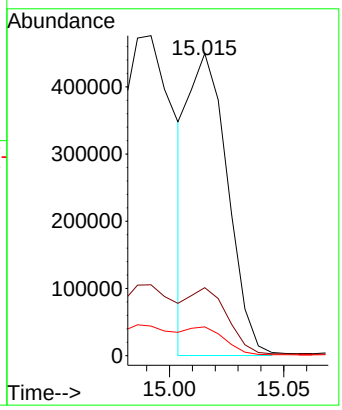


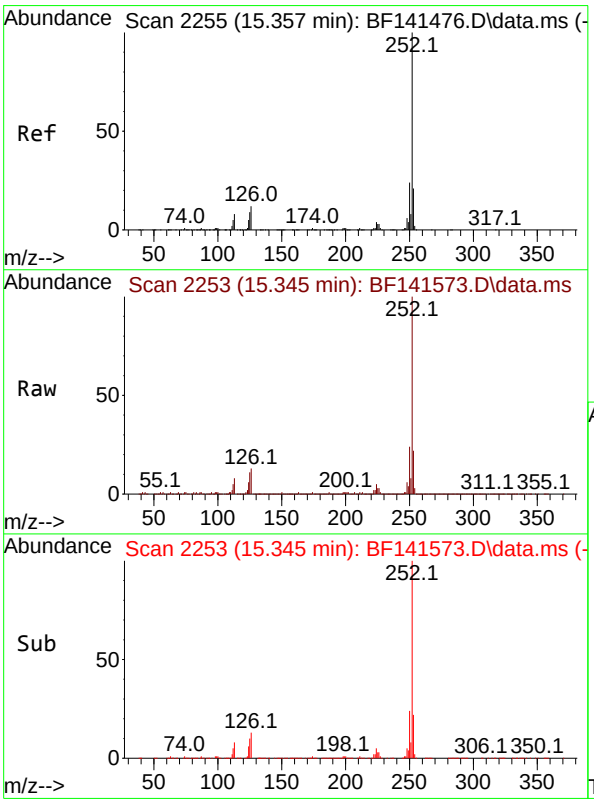

#89
Benzo(k)fluoranthene
Concen: 57.475 ng m
RT: 15.015 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:252 Resp: 537534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 18.0 | 27.0 |
| 125 | 9.5 | 7.4 | 11.0 |

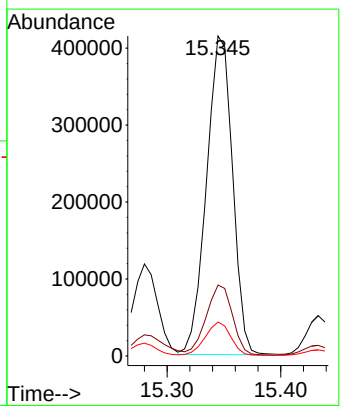


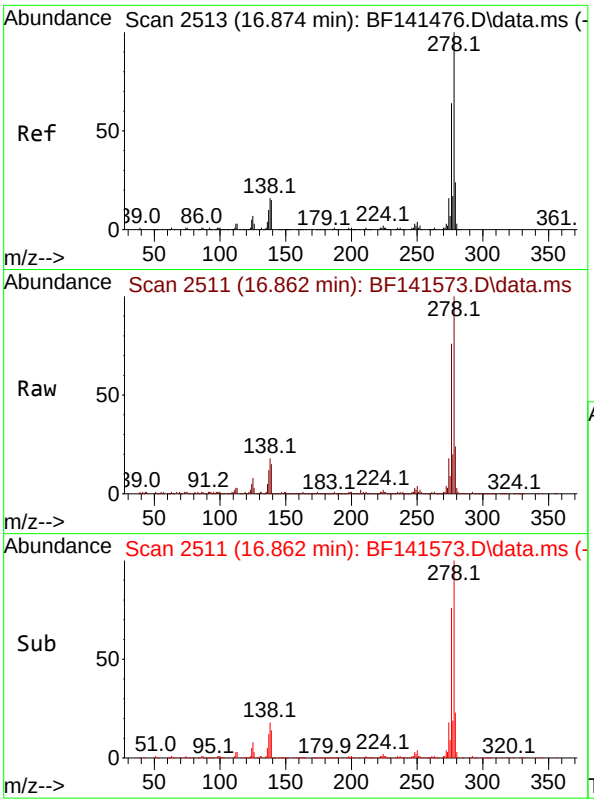




#90
Benzo(a)pyrene
Concen: 74.508 ng
RT: 15.345 min Scan# 2253
Delta R.T. -0.018 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:252 Resp: 660314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.1 | 25.7 |
| 125 | 10.6 | 7.4 | 11.2 |



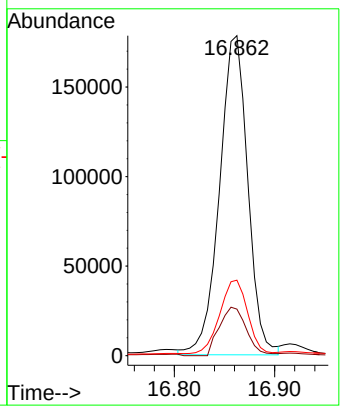


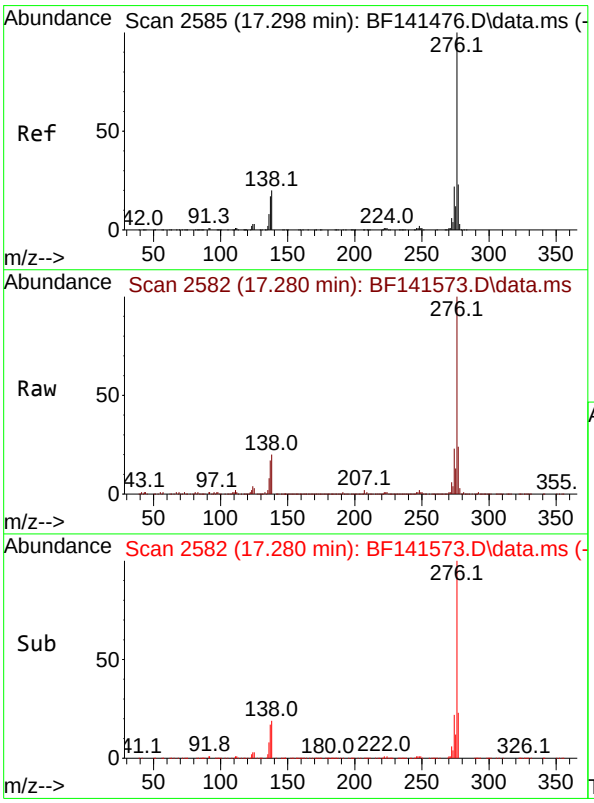

#91
Dibenzo(a,h)anthracene
Concen: 42.800 ng
RT: 16.862 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MS

Tgt Ion:278 Resp: 349535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.5 | 11.8 | 17.6 |
| 279 | 23.6 | 19.1 | 28.7 |

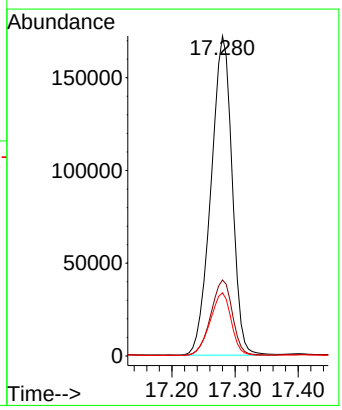



#92
Benzo(g,h,i)perylene
Concen: 46.732 ng
RT: 17.280 min Scan# 2582
Delta R.T. -0.035 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:276 Resp: 399380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 18.6 | 28.0 |
| 138 | 19.7 | 15.9 | 23.9 |



Raw Data: **BF141574.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-29.1-012825MSD | SDG No.: | Q1216 |
| Lab Sample ID: | Q1215-03MSD | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 88.8 |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141574.D | 1 | 01/30/25 09:15 | 02/11/25 20:38 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 2200 | | 200 | 370 | ug/Kg |
| 108-95-2 | Phenol | 1600 | | 93.2 | 190 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 1800 | | 94.1 | 190 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 1700 | | 93.9 | 190 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 1600 | | 90.6 | 190 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 1700 | | 100 | 190 | ug/Kg |
| 98-86-2 | Acetophenone | 1800 | | 97.7 | 190 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 1600 | | 89.7 | 370 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1700 | | 45.3 | 89.9 | ug/Kg |
| 67-72-1 | Hexachloroethane | 1700 | | 93.3 | 190 | ug/Kg |
| 98-95-3 | Nitrobenzene | 1700 | | 100 | 190 | ug/Kg |
| 78-59-1 | Isophorone | 1700 | | 95.1 | 190 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 1700 | | 110 | 190 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 2100 | | 100 | 190 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1700 | | 96.5 | 190 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 1600 | | 84.9 | 190 | ug/Kg |
| 91-20-3 | Naphthalene | 1700 | | 92.9 | 190 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 350 | | 92.9 | 190 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 1700 | | 93.7 | 190 | ug/Kg |
| 105-60-2 | Caprolactam | 1800 | | 97.6 | 370 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 1500 | | 87.1 | 190 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 1600 | | 92.8 | 190 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 1800 | | 180 | 370 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 1700 | | 80.3 | 190 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 1600 | | 83.2 | 190 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 1900 | | 98.3 | 190 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 1700 | | 93.7 | 190 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 1700 | | 110 | 190 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 1700 | | 91.9 | 190 | ug/Kg |

Raw Data: **BF141574.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-29.1-012825MSD | SDG No.: | Q1216 |
| Lab Sample ID: | Q1215-03MSD | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 88.8 |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141574.D | 1 | 01/30/25 09:15 | 02/11/25 20:38 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 1700 | | 97.2 | 190 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 1600 | | 93.5 | 190 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 800 | | 100 | 190 | ug/Kg |
| 83-32-9 | Acenaphthene | 1700 | | 91.2 | 190 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 1600 | | 270 | 370 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 3000 | | 130 | 370 | ug/Kg |
| 132-64-9 | Dibenzofuran | 1600 | | 94.9 | 190 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 1600 | | 96.9 | 190 | ug/Kg |
| 84-66-2 | Diethylphthalate | 1600 | | 90.1 | 190 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1600 | | 96.2 | 190 | ug/Kg |
| 86-73-7 | Fluorene | 1600 | | 96.1 | 190 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 1200 | | 120 | 190 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | | 130 | 370 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 1900 | | 91.7 | 190 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 1800 | | 88.7 | 190 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 1700 | | 95.6 | 190 | ug/Kg |
| 1912-24-9 | Atrazine | 2300 | | 100 | 190 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 3000 | | 86.9 | 370 | ug/Kg |
| 85-01-8 | Phenanthrene | 2500 | | 94.4 | 190 | ug/Kg |
| 120-12-7 | Anthracene | 1900 | | 94.9 | 190 | ug/Kg |
| 86-74-8 | Carbazole | 1700 | | 90.3 | 190 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 1800 | | 94.8 | 190 | ug/Kg |
| 206-44-0 | Fluoranthene | 3100 | E | 91.9 | 190 | ug/Kg |
| 129-00-0 | Pyrene | 2700 | | 93.3 | 190 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 1700 | | 110 | 190 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 1300 | | 110 | 370 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 2700 | | 90.7 | 190 | ug/Kg |
| 218-01-9 | Chrysene | 2500 | | 89.4 | 190 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 2100 | | 100 | 190 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 2500 | | 120 | 370 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 2800 | | 91.2 | 190 | ug/Kg |

Raw Data: **BF141574.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RU2 Engineering, LLC | Date Collected: | 01/28/25 |
| Project: | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received: | 01/29/25 |
| Client Sample ID: | JPP-29.1-012825MSD | SDG No.: | Q1216 |
| Lab Sample ID: | Q1215-03MSD | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 88.8 |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| 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 |
|---|---|---|---|---|
| BF141574.D | 1 | 01/30/25 09:15 | 02/11/25 20:38 | PB166360 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 1900 | | 92.9 | 190 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 2700 | | 100 | 190 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1800 | | 87.8 | 190 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 1500 | | 91.3 | 190 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 1700 | | 90.1 | 190 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 1900 | | 97.6 | 190 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 1900 | | 120 | 190 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 1500 | | 84.0 | 190 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 94.8 | | 18 - 112 | 63% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 92.1 | | 15 - 107 | 61% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 68.4 | | 18 - 107 | 68% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 70.6 | | 20 - 109 | 71% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 82.2 | | 10 - 116 | 55% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 56.0 | | 10 - 105 | 56% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 77700 | 6.787 | | | |
| 1146-65-2 | Naphthalene-d8 | 297000 | 8.069 | | | |
| 15067-26-2 | Acenaphthene-d10 | 147000 | 9.822 | | | |
| 1517-22-2 | Phenanthrene-d10 | 214000 | 11.31 | | | |
| 1719-03-5 | Chrysene-d12 | 172000 | 13.957 | | | |
| 1520-96-3 | Perylene-d12 | 165000 | 15.41 | | | |

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141574.D
Acq On : 11 Feb 2025 20:38
Operator : RC/JU
Sample : Q1215-03MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Quant Time: Feb 12 00:09:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.787 | 152 | 77684 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.069 | 136 | 297197 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.822 | 164 | 147170 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.310 | 188 | 213794 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.957 | 240 | 172116 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.410 | 264 | 164980 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.416 | 112 | 469748 | 94.800 | ng | | 0.00 |
| 7) Phenol-d6 | 6.428 | 99 | 577057 | 92.139 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.351 | 82 | 389531 | 68.363 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.616 | 330 | 121471 | 82.164 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.145 | 172 | 674000 | 70.557 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.892 | 244 | 570645 | 55.971 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.563 | 88 | 98534 | 49.407 | ng | | 99 |
| 3) Pyridine | 3.287 | 79 | 210061 | 44.263 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.240 | 42 | 138845 | 44.184 | ng | | 95 |
| 6) Aniline | 6.446 | 93 | 100166 | 17.050 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.575 | 128 | 237041 | 44.272 | ng | | 99 |
| 9) Benzaldehyde | 6.340 | 77 | 192251 | 57.766 | ng | | 99 |
| 10) Phenol | 6.446 | 94 | 285296 | 43.767 | ng | | 84 |
| 11) bis(2-Chloroethyl)ether | 6.522 | 93 | 232644 | 47.516 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.728 | 146 | 259144 | 45.845 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.804 | 146 | 261674 | 45.309 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.957 | 146 | 246175 | 45.927 | ng | | 100 |
| 15) Benzyl Alcohol | 6.934 | 79 | 204176 | 42.513 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063 | 45 | 369115 | 44.041 | ng | | 85 |
| 17) 2-Methylphenol | 7.051 | 107 | 182572 | 43.573 | ng | | 96 |
| 18) Hexachloroethane | 7.298 | 117 | 94350 | 44.143 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.198 | 70 | 165016 | 44.049 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.204 | 107 | 234193 | 43.981 | ng | | 93 |
| 22) Acetophenone | 7.198 | 105 | 364730 | 49.335 | ng | | 96 |
| 24) Nitrobenzene | 7.369 | 77 | 246843 | 44.426 | ng | | 100 |
| 25) Isophorone | 7.610 | 82 | 423704 | 46.636 | ng | | 99 |
| 26) 2-Nitrophenol | 7.687 | 139 | 123944 | 44.837 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.728 | 122 | 178402 | 55.244 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.822 | 93 | 266748 | 45.820 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.934 | 162 | 188183 | 43.129 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.010 | 180 | 208540 | 43.889 | ng | | 99 |
| 31) Naphthalene | 8.092 | 128 | 693134 | 44.804 | ng | | 100 |
| 32) Benzoic acid | 7.851 | 122 | 128987 | 38.454 | ng | | 98 |
| 33) 4-Chloroaniline | 8.151 | 127 | 50168 | 9.288 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.204 | 225 | 131893 | 46.238 | ng | | 99 |
| 35) Caprolactam | 8.510 | 113 | 64101m | 48.251 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.634 | 107 | 194418 | 40.225 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.781 | 142 | 416459 | 41.369 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.881 | 142 | 395909 | 40.605 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 8.945 | 216 | 219213 | 51.485 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.934 | 237 | 66767 | 47.146 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 9.063 | 196 | 124222 | 45.141 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141574.D
Acq On : 11 Feb 2025 20:38
Operator : RC/JU
Sample : Q1215-03MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Quant Time: Feb 12 00:09:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

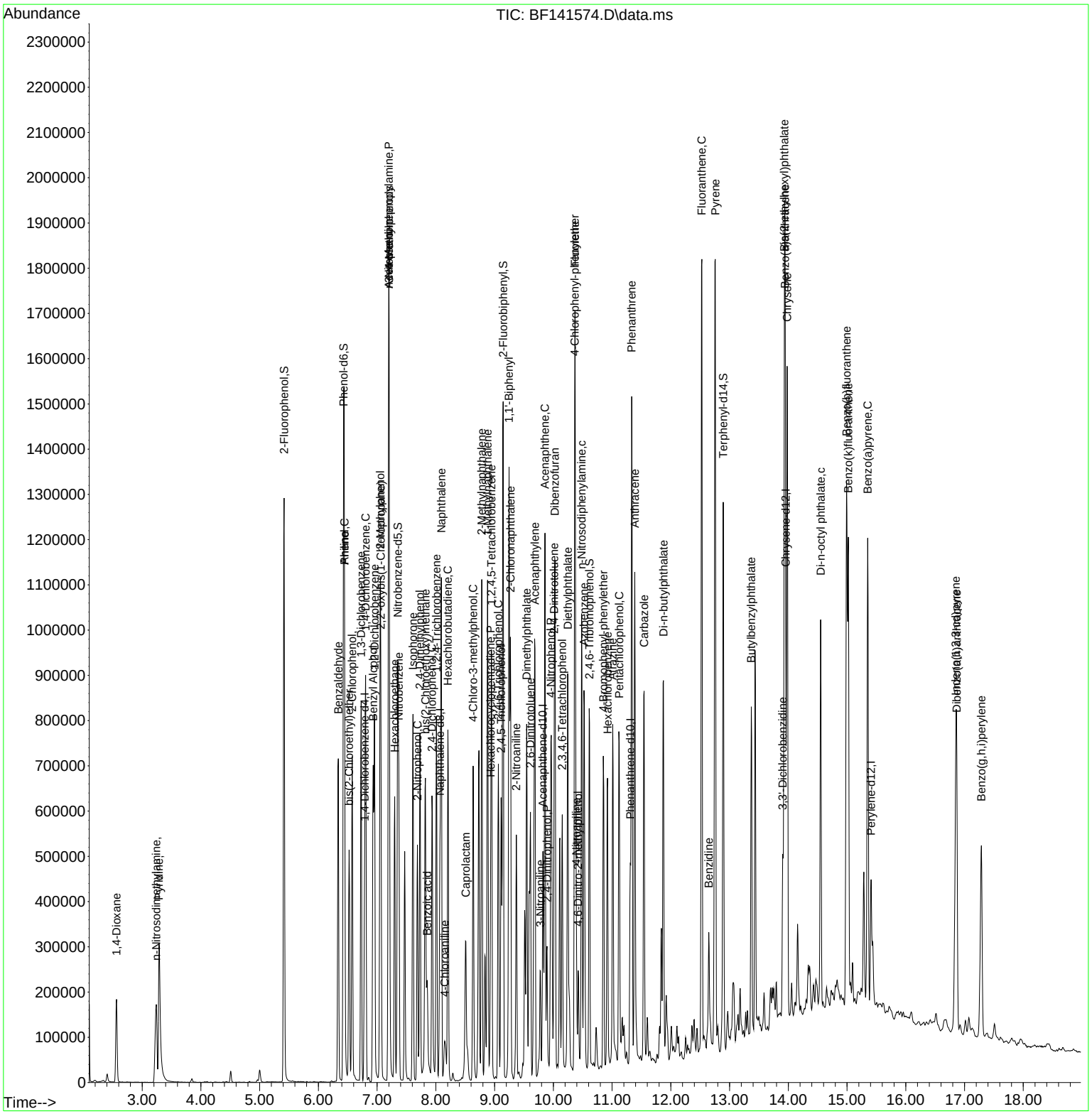
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.110 | 196 | 129702 | 43.489 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.245 | 154 | 586614 | 51.413 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.269 | 162 | 386355 | 45.792 | ng | 99 |
| 48) 2-Nitroaniline | 9.369 | 65 | 125612 | 44.362 | ng | 99 |
| 49) Acenaphthylene | 9.687 | 152 | 570401 | 45.452 | ng | 99 |
| 50) Dimethylphthalate | 9.545 | 163 | 456888 | 45.730 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.610 | 165 | 95272 | 43.621 | ng | 99 |
| 52) Acenaphthene | 9.857 | 154 | 376338 | 44.607 | ng | 99 |
| 53) 3-Nitroaniline | 9.781 | 138 | 50219 | 21.363 | ng | 96 |
| 54) 2,4-Dinitrophenol | 9.892 | 184 | 56617 | 43.616 | ng | 95 |
| 55) Dibenzofuran | 10.028 | 168 | 527415 | 42.589 | ng | 99 |
| 56) 4-Nitrophenol | 9.957 | 139 | 139161 | 79.747 | ng | 94 |
| 57) 2,4-Dinitrotoluene | 10.016 | 165 | 126086 | 43.365 | ng | 98 |
| 58) Fluorene | 10.369 | 166 | 409183 | 42.734 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.151 | 232 | 100561 | 39.164 | ng | 96 |
| 60) Diethylphthalate | 10.245 | 149 | 423603 | 43.093 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.363 | 204 | 200100 | 43.439 | ng | 98 |
| 62) 4-Nitroaniline | 10.392 | 138 | 77033 | 32.272 | ng | 97 |
| 63) Azobenzene | 10.522 | 77 | 425393 | 43.531 | ng | 97 |
| 65) 4,6-Dinitro-2-methylph... | 10.422 | 198 | 39496 | 26.594 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 10.481 | 169 | 343871 | 50.246 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.851 | 248 | 116182 | 48.623 | ng | 96 |
| 68) Hexachlorobenzene | 10.922 | 284 | 113784 | 46.245 | ng | 99 |
| 69) Atrazine | 11.010 | 200 | 123922 | 60.357 | ng | 100 |
| 70) Pentachlorophenol | 11.122 | 266 | 125770 | 79.942 | ng | 99 |
| 71) Phenanthrene | 11.333 | 178 | 799767 | 67.959 | ng | 100 |
| 72) Anthracene | 11.386 | 178 | 586861 | 49.607 | ng | 99 |
| 73) Carbazole | 11.545 | 167 | 478486 | 44.951 | ng | 100 |
| 74) Di-n-butylphthalate | 11.875 | 149 | 584882 | 47.586 | ng | 100 |
| 75) Fluoranthene | 12.528 | 202 | 1039256 | 83.295 | ng | 99 |
| 77) Benzidine | 12.645 | 184 | 134156 | 35.342 | ng | 99 |
| 78) Pyrene | 12.757 | 202 | 1074122 | 73.310 | ng | 100 |
| 80) Butylbenzylphthalate | 13.369 | 149 | 233190 | 45.949 | ng | 98 |
| 81) Benzo(a)anthracene | 13.945 | 228 | 813229 | 71.079 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.904 | 252 | 109523 | 33.418 | ng | 99 |
| 83) Chrysene | 13.980 | 228 | 705014 | 66.736 | ng | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.933 | 149 | 316795 | 55.348 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.551 | 149 | 546624 | 66.944 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.851 | 276 | 492273 | 48.291 | ng | 98 |
| 88) Benzo(b)fluoranthene | 14.992 | 252 | 837524 | 75.605 | ng | 98 |
| 89) Benzo(k)fluoranthene | 15.021 | 252 | 486157m | 51.395 | ng | |
| 90) Benzo(a)pyrene | 15.351 | 252 | 638187 | 71.197 | ng | 97 |
| 91) Dibenzo(a,h)anthracene | 16.868 | 278 | 327735 | 39.677 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 17.286 | 276 | 386271 | 44.688 | ng | 99 |

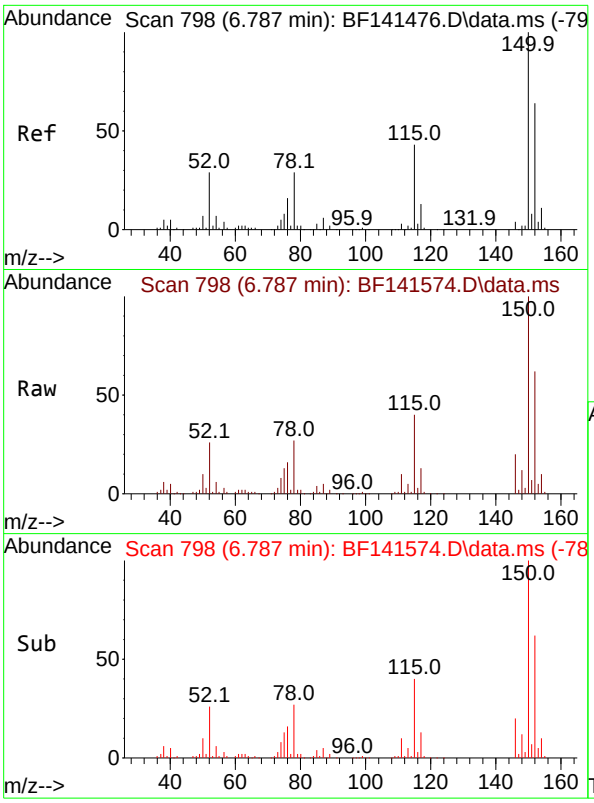
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141574.D
Acq On : 11 Feb 2025 20:38
Operator : RC/JU
Sample : Q1215-03MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Quant Time: Feb 12 00:09:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



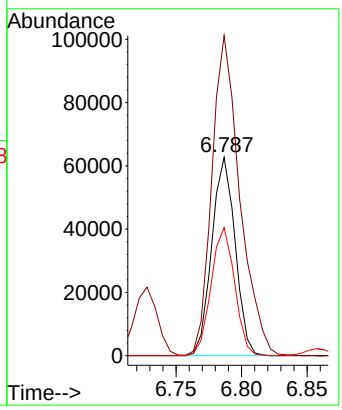


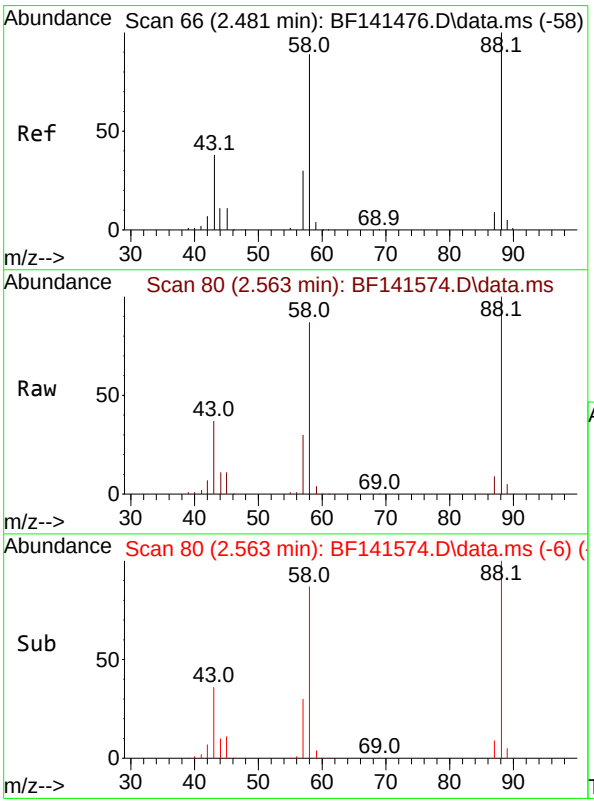

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:152 Resp: 77684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 161.4 | 125.0 | 187.4 |
| 115 | 64.6 | 53.6 | 80.4 |

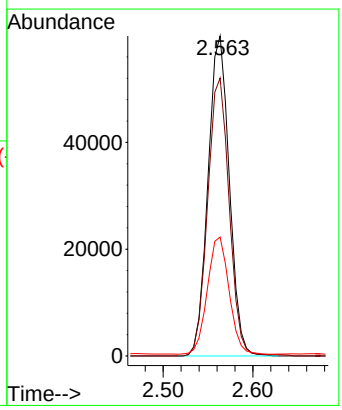


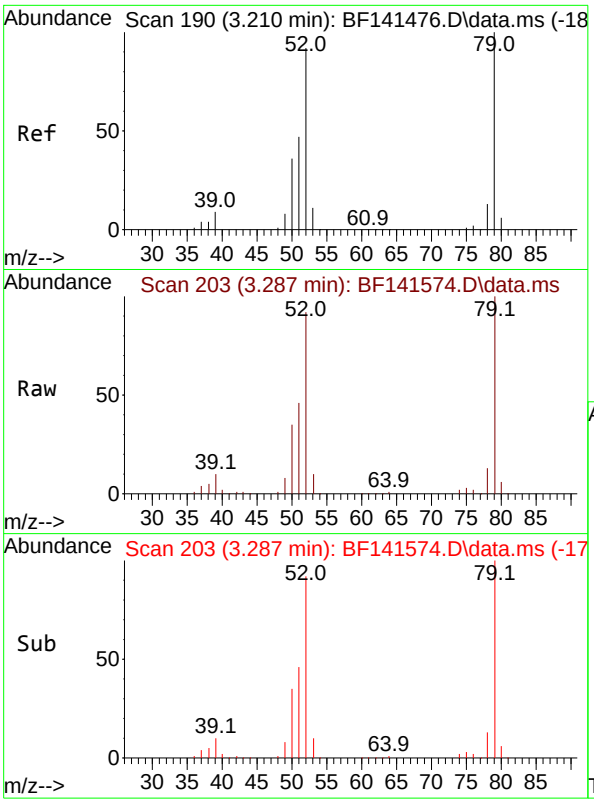




#2
1,4-Dioxane
Concen: 49.407 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.083 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion: 88 Resp: 98534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 88.1 | 71.1 | 106.7 |
| 43 | 37.4 | 30.6 | 46.0 |



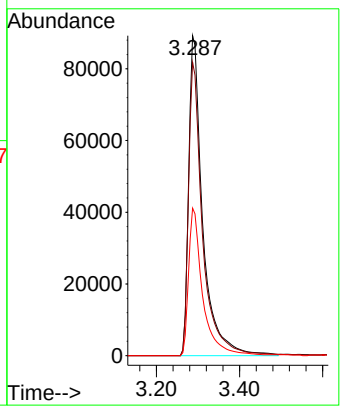


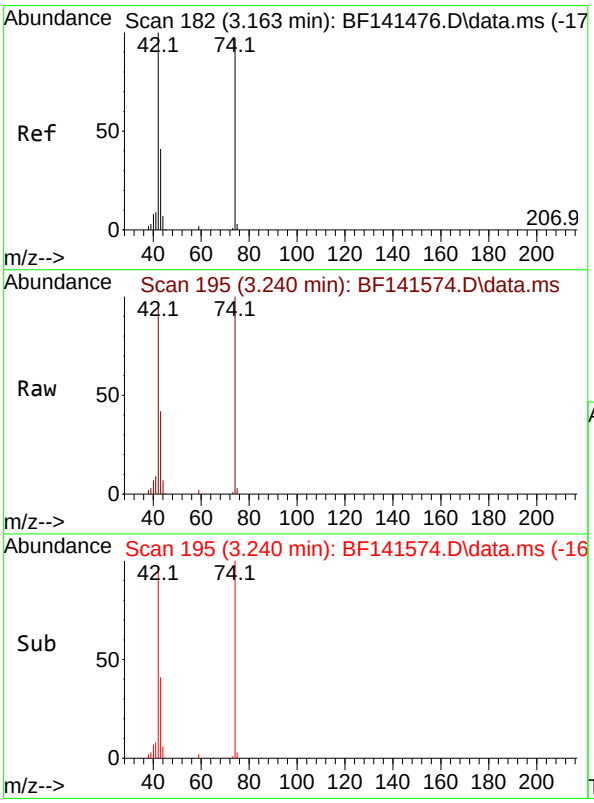

#3
Pyridine
Concen: 44.263 ng
RT: 3.287 min Scan# 2
Delta R.T. 0.071 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion: 79 Resp: 210061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 91.7 | 73.7 | 110.5 |
| 51 | 46.1 | 37.5 | 56.3 |

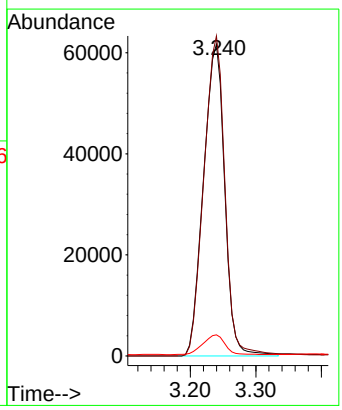


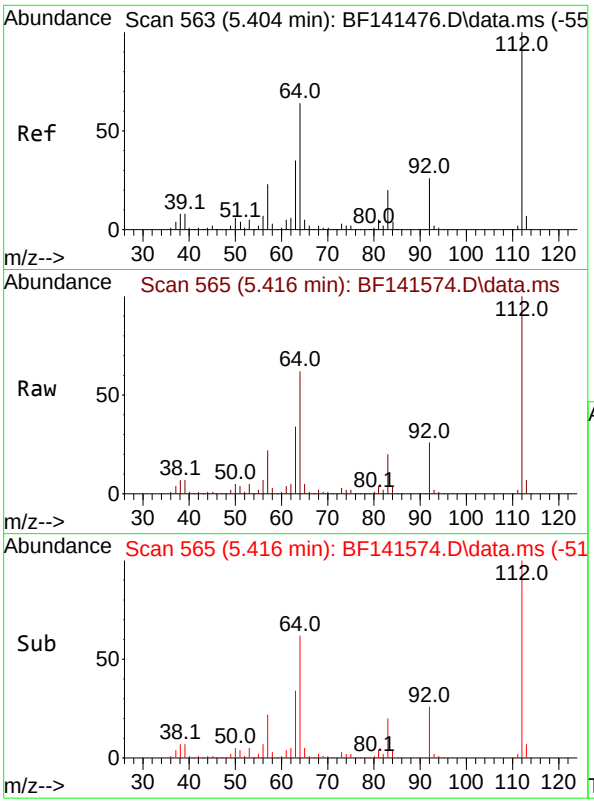




#4
n-Nitrosodimethylamine
Concen: 44.184 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.053 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion: 42 Resp: 138845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 102.6 | 78.0 | 117.0 |
| 44 | 6.8 | 5.4 | 8.2 |



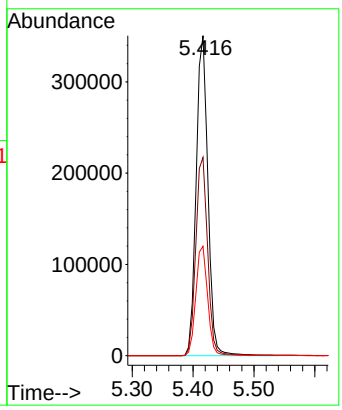


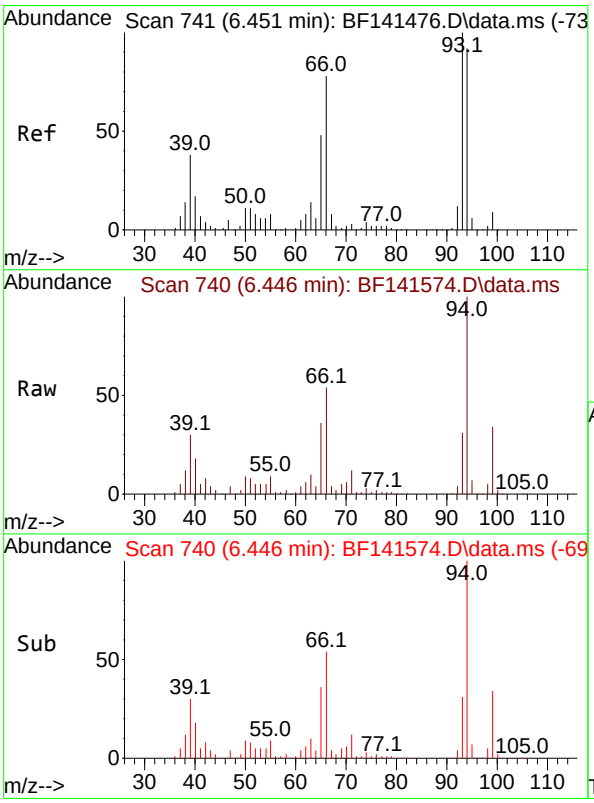

#5
2-Fluorophenol
Concen: 94.800 ng
RT: 5.416 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:112 Resp: 469748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.9 | 51.1 | 76.7 |
| 63 | 34.2 | 28.4 | 42.6 |

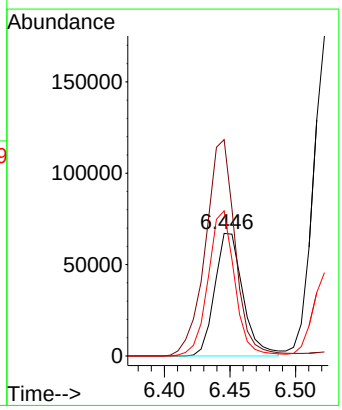


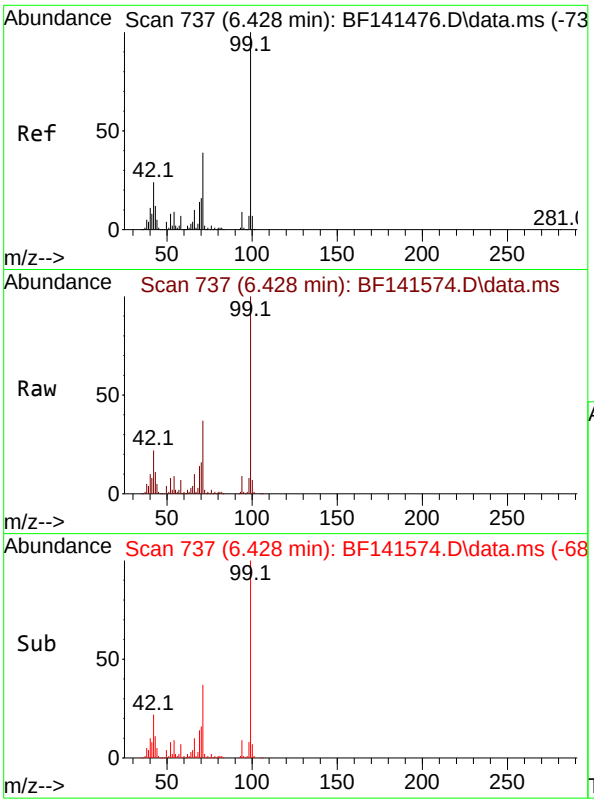




#6
Aniline
Concen: 17.050 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion: 93 Resp: 100166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 176.6 | 62.6 | 94.0# |
| 65 | 118.4 | 38.3 | 57.5# |



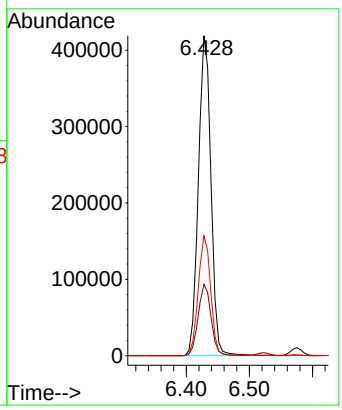


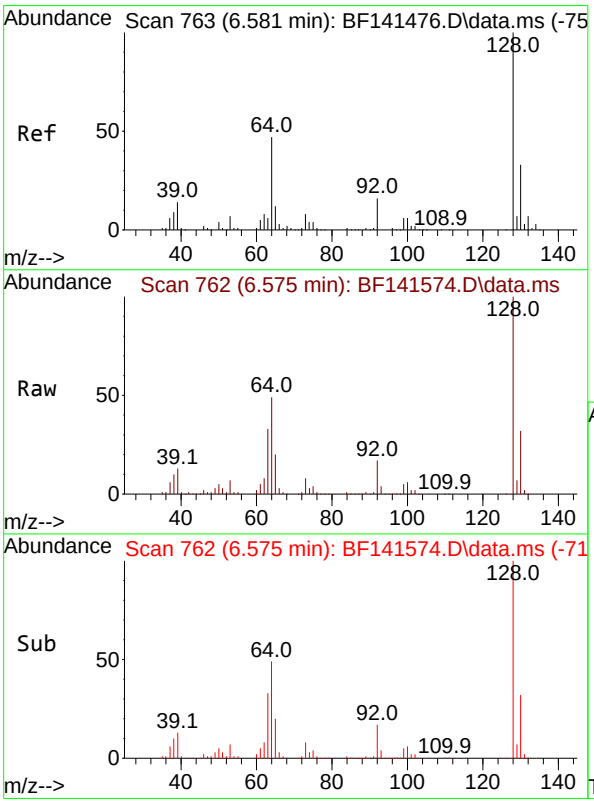

#7
Phenol-d6
Concen: 92.139 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion: 99 Resp: 577057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.3 | 19.1 | 28.7 |
| 71 | 37.5 | 31.1 | 46.7 |

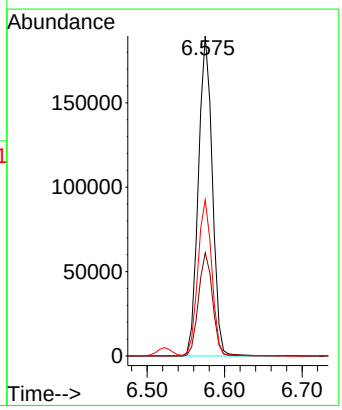


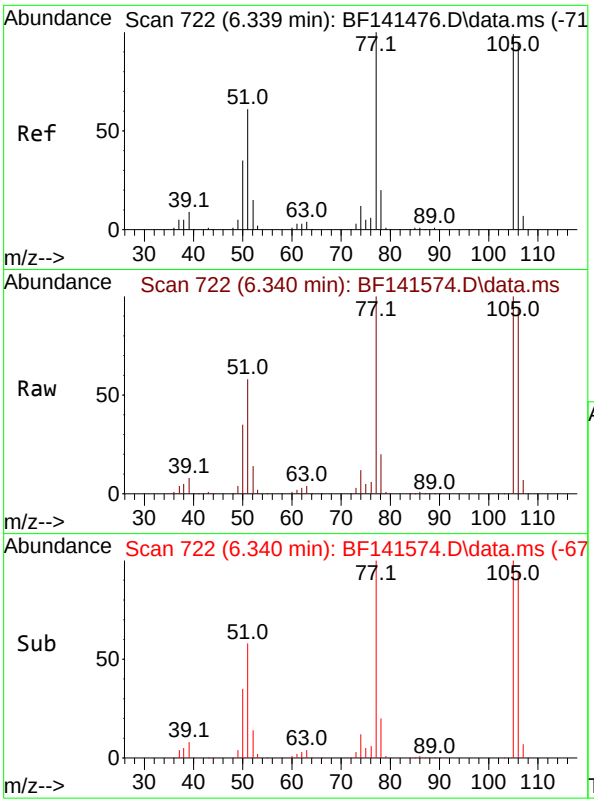




#8
2-Chlorophenol
Concen: 44.272 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:128 Resp: 237041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.3 | 12.7 | 52.7 |
| 64 | 48.8 | 28.3 | 68.3 |



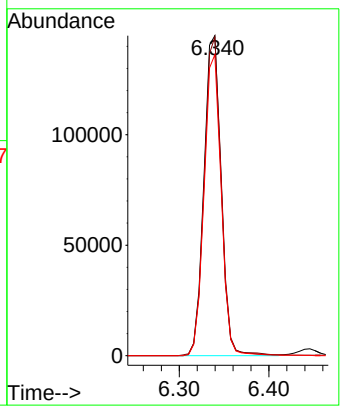


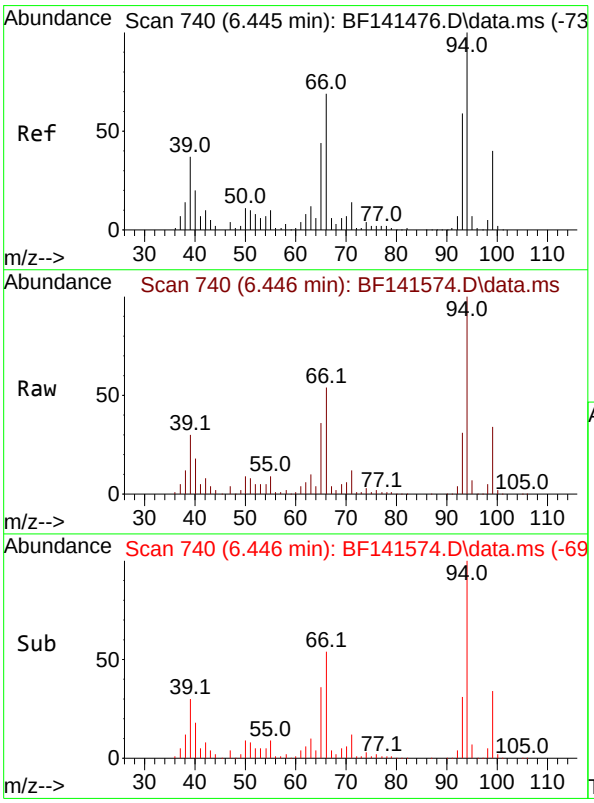

#9
Benzaldehyde
Concen: 57.766 ng
RT: 6.340 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion: 77 Resp: 192251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.6 | 79.4 | 119.4 |
| 106 | 94.0 | 75.1 | 115.1 |

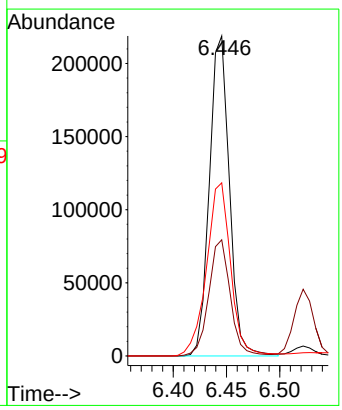


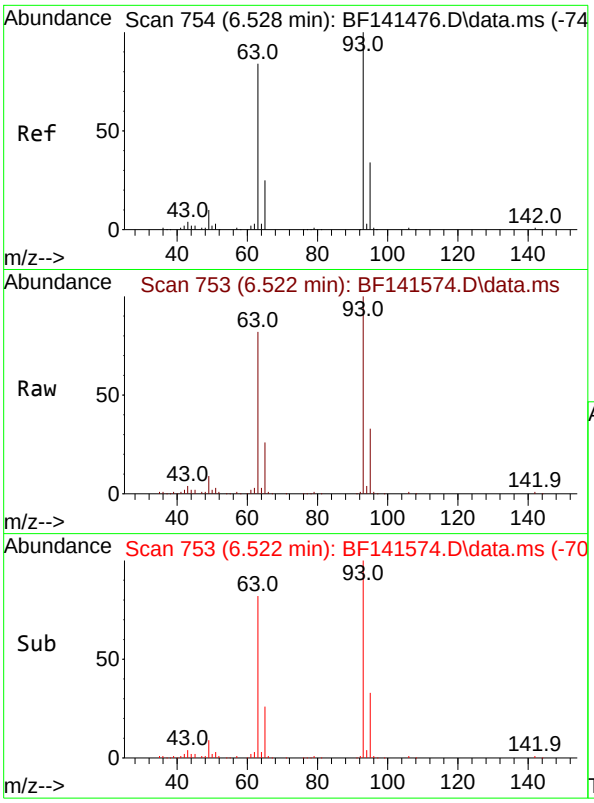




#10
Phenol
Concen: 43.767 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion: 94 Resp: 285296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 36.3 | 23.7 | 63.7 |
| 66 | 54.1 | 49.3 | 89.3 |



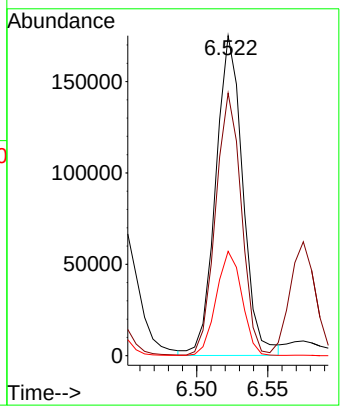


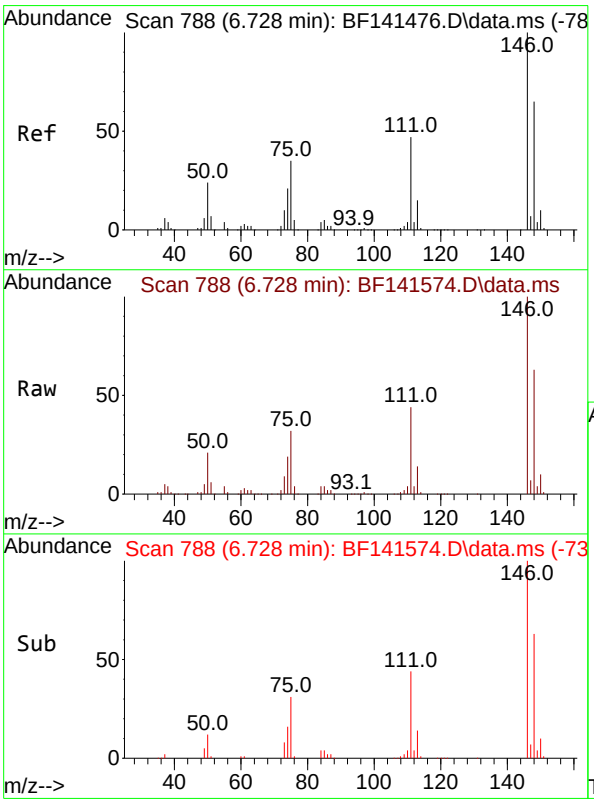

#11
bis(2-Chloroethyl)ether
Concen: 47.516 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion: 93 Resp: 232644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 82.1 | 62.0 | 102.0 |
| 95 | 32.6 | 12.6 | 52.6 |

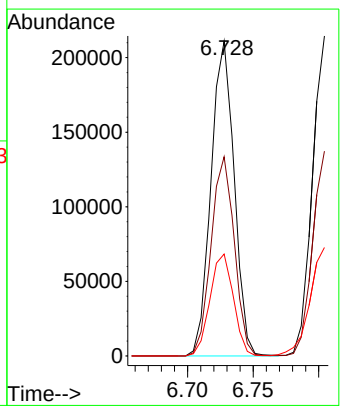


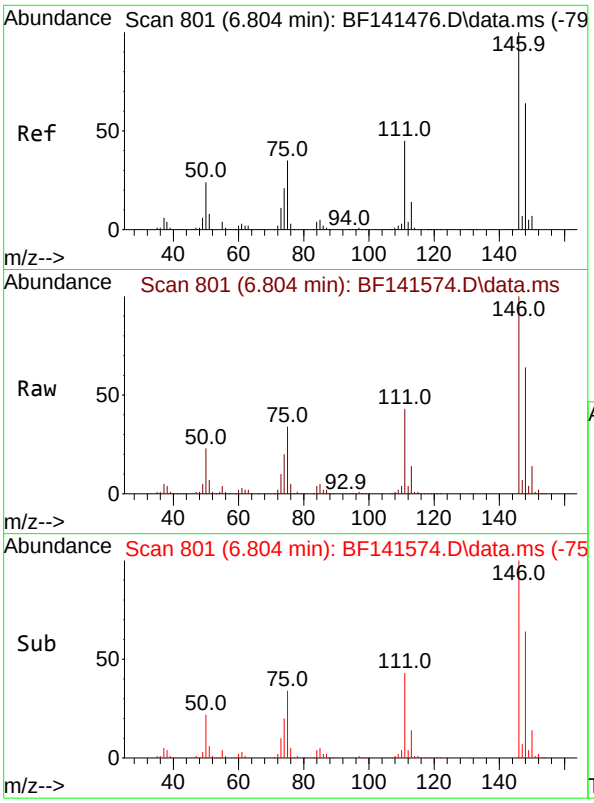




#12
1,3-Dichlorobenzene
Concen: 45.845 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:146 Resp: 259144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 51.9 | 77.9 |
| 75 | 32.4 | 28.2 | 42.2 |



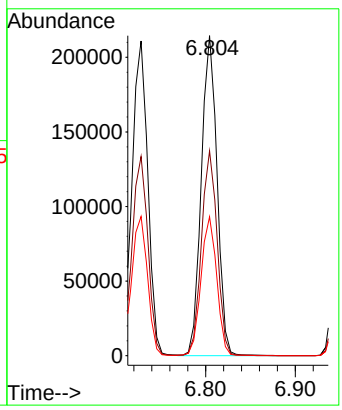


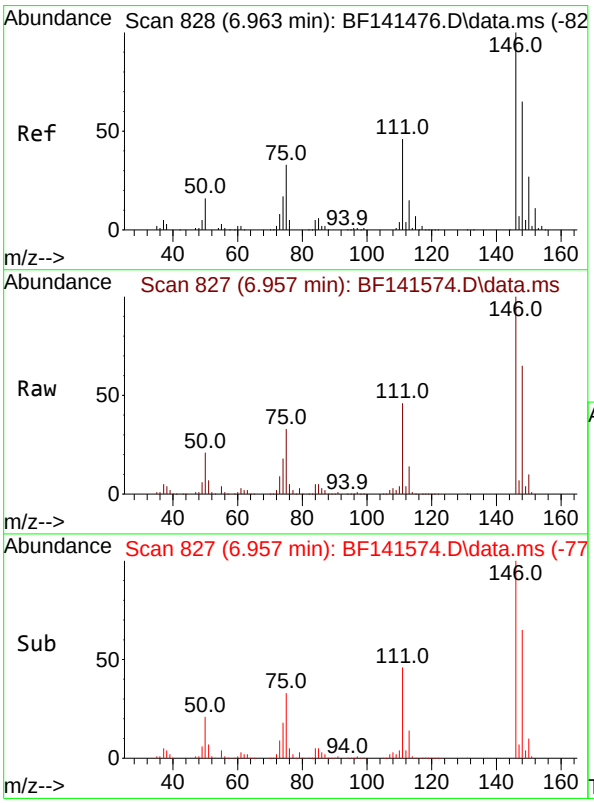

#13
1,4-Dichlorobenzene
Concen: 45.309 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:146 Resp: 261674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 50.9 | 76.3 |
| 111 | 43.4 | 35.9 | 53.9 |

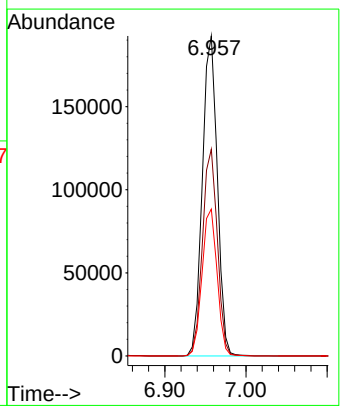


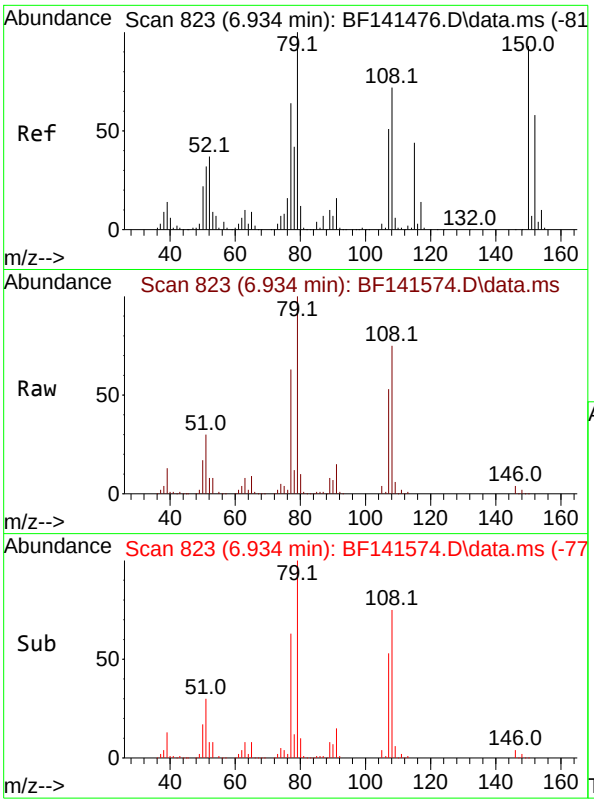




#14
1,2-Dichlorobenzene
Concen: 45.927 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:146 Resp: 246175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.8 | 77.6 |
| 111 | 45.9 | 37.0 | 55.4 |



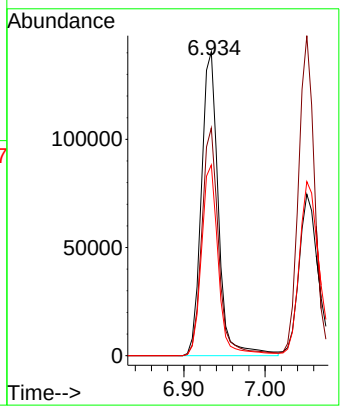


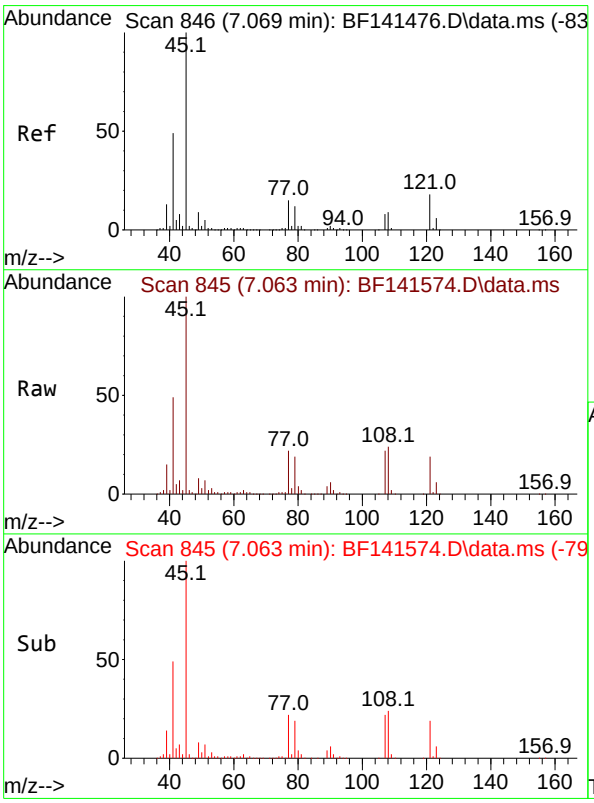

#15
Benzyl Alcohol
Concen: 42.513 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion: 79 Resp: 204176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 75.0 | 57.4 | 86.2 |
| 77 | 62.8 | 50.9 | 76.3 |

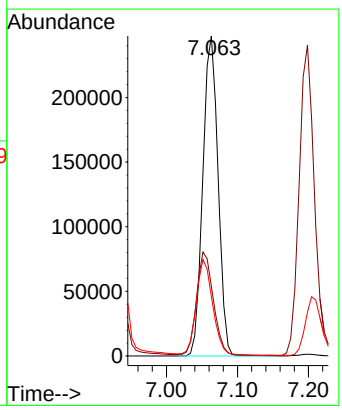


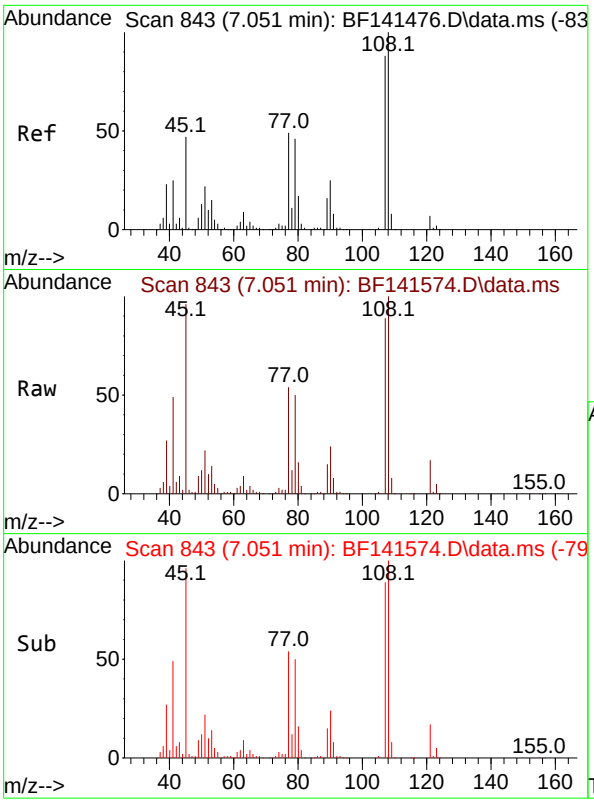




#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.041 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion: 45 Resp: 369115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 21.9 | 0.0 | 35.8 |
| 79 | 18.7 | 0.0 | 32.7 |



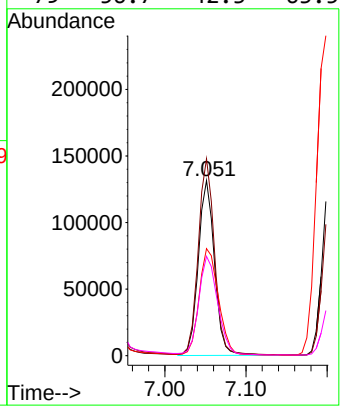


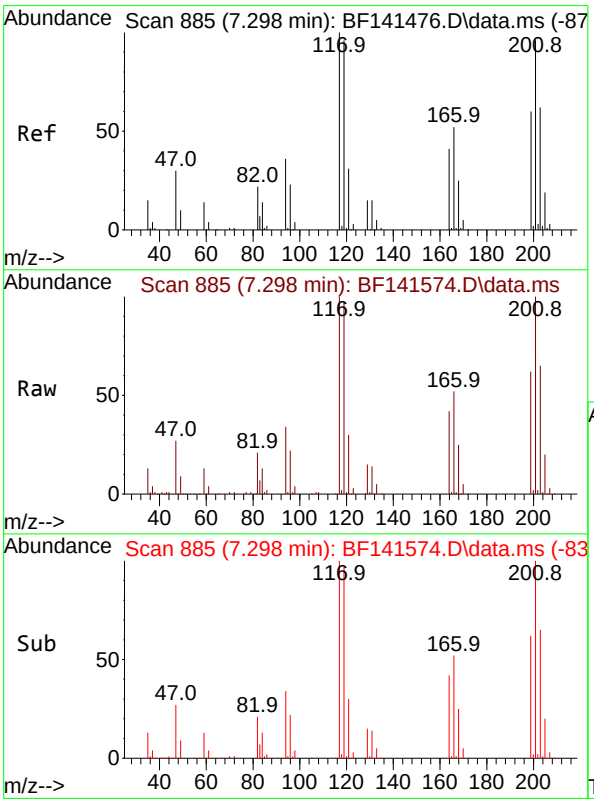

#17
2-Methylphenol
Concen: 43.573 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:107 Resp: 182572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.4 | 90.6 | 136.0 |
| 77 | 61.1 | 44.4 | 66.6 |
| 79 | 56.7 | 42.3 | 63.5 |

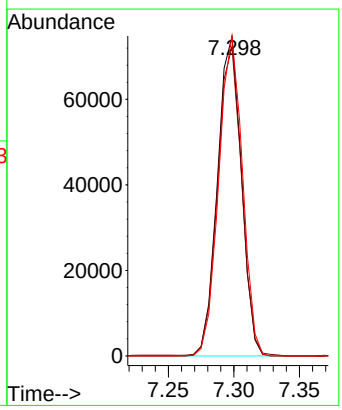


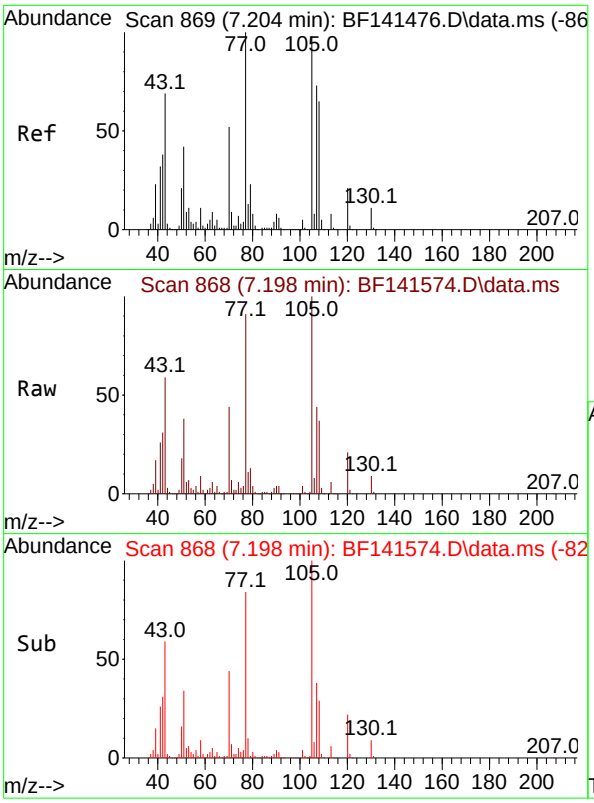




#18
Hexachloroethane
Concen: 44.143 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:117 Resp: 94350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.9 | 76.5 | 114.7 |
| 201 | 100.3 | 76.7 | 115.1 |



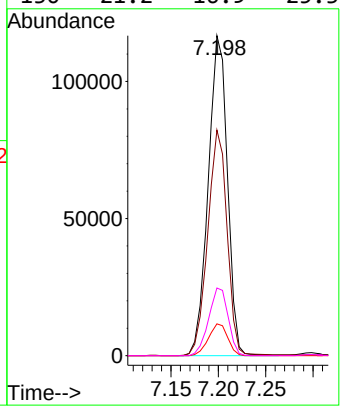


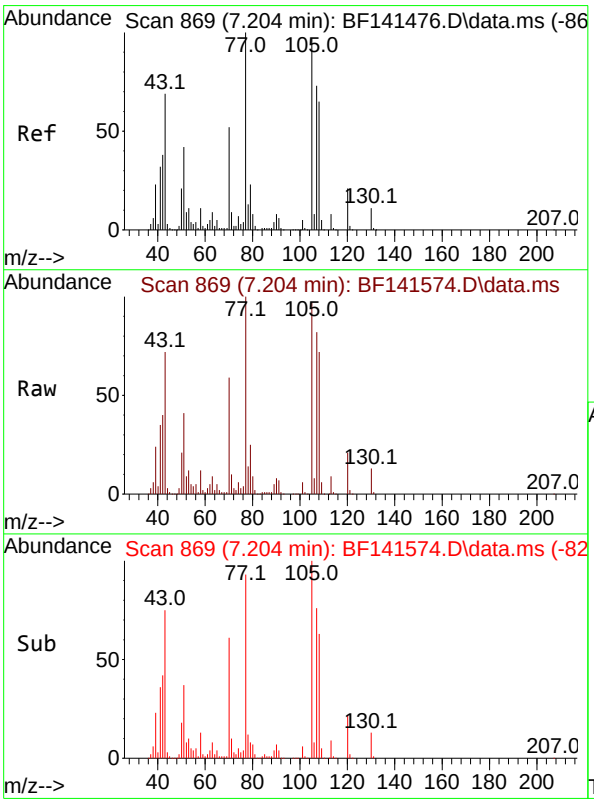

#19
n-Nitroso-di-n-propylamine
Concen: 44.049 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion: 70 Resp: 165016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 70.5 | 57.4 | 86.2 |
| 101 | 10.0 | 8.0 | 12.0 |
| 130 | 21.2 | 16.9 | 25.3 |

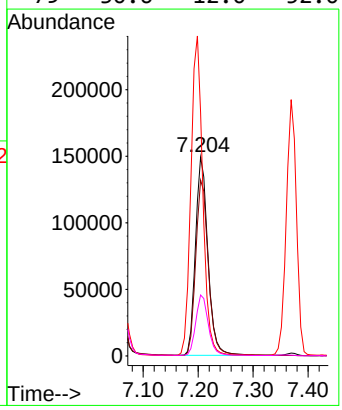


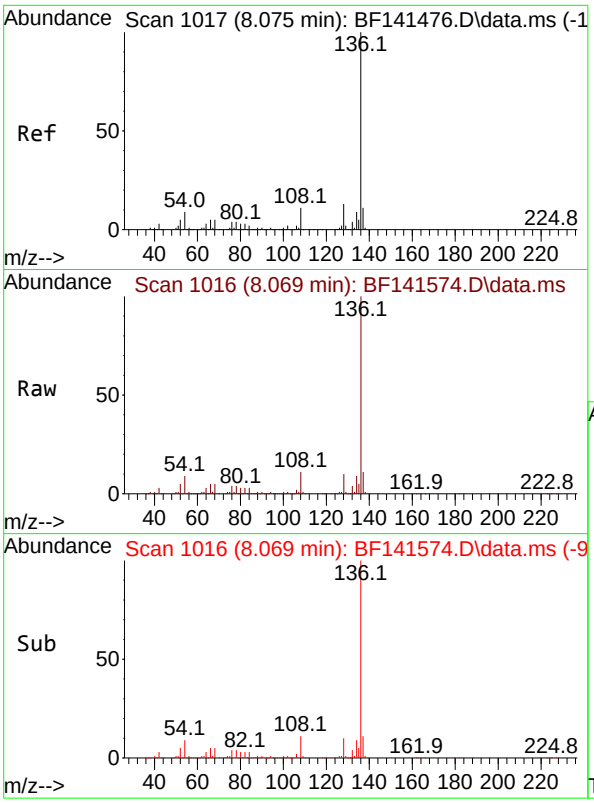




#20
3+4-Methylphenols
Concen: 43.981 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:107 Resp: 234193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.4 | 68.5 | 108.5 |
| 77 | 122.4 | 116.5 | 156.5 |
| 79 | 30.6 | 12.0 | 52.0 |



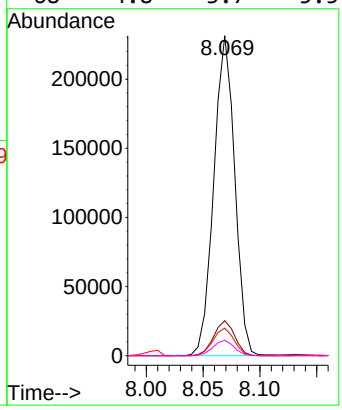


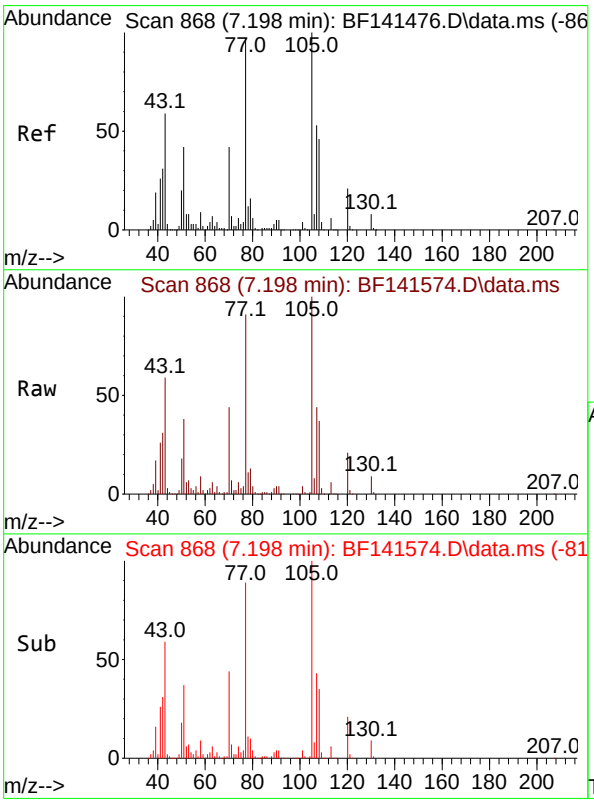

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:136 Resp: 297197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.6 | 13.0 |
| 54 | 8.6 | 7.2 | 10.8 |
| 68 | 4.8 | 3.7 | 5.5 |

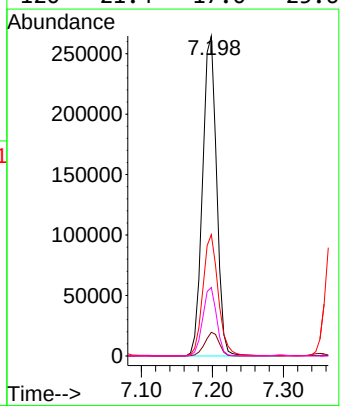


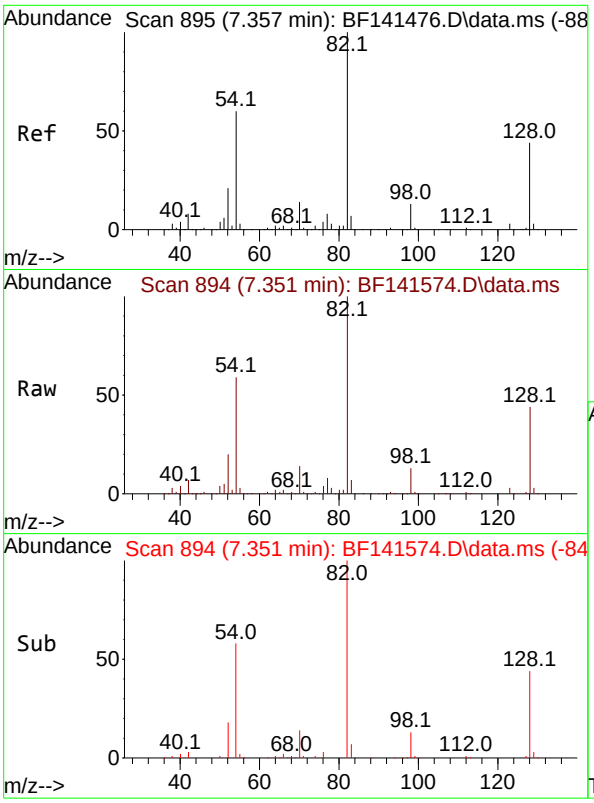




#22
Acetophenone
Concen: 49.335 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.011 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:105 Resp: 364730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.4 | 5.7 | 8.5 |
| 51 | 37.9 | 33.7 | 50.5 |
| 120 | 21.4 | 17.0 | 25.6 |



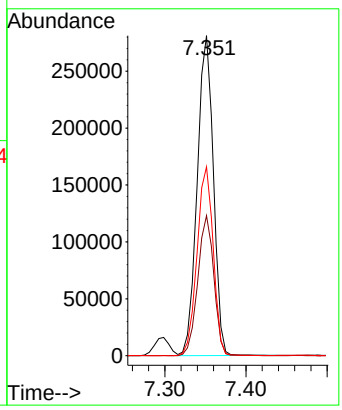


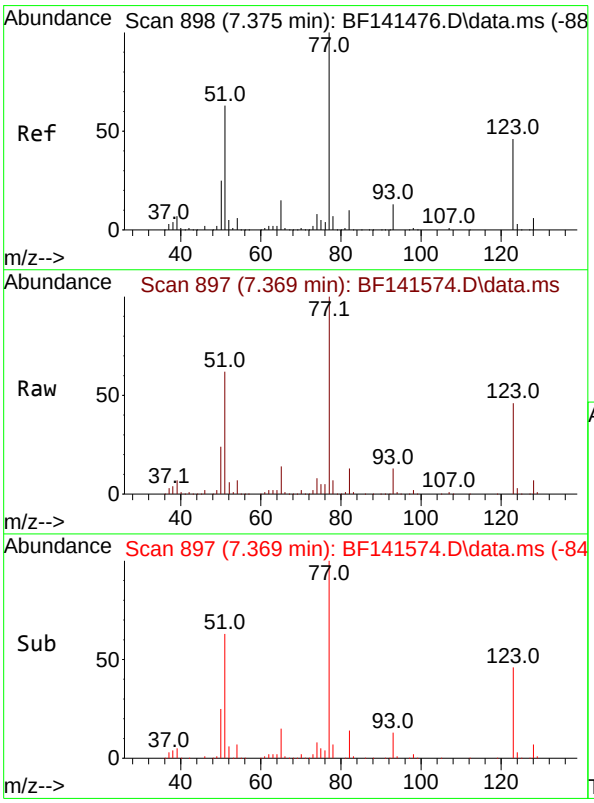

#23
Nitrobenzene-d5
Concen: 68.363 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion: 82 Resp: 389531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.8 | 34.8 | 52.2 |
| 54 | 59.0 | 48.2 | 72.4 |

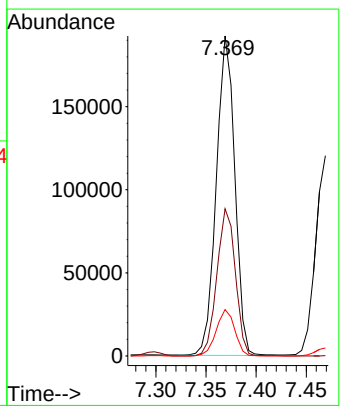


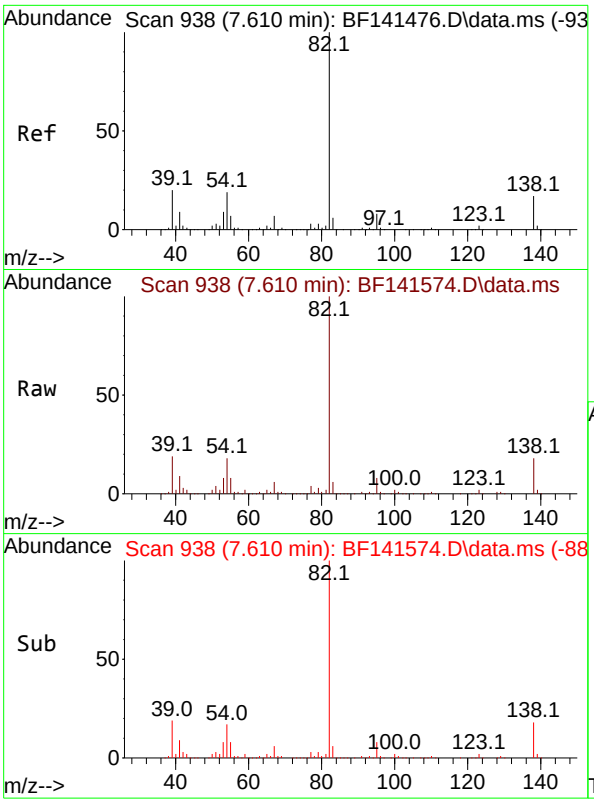




#24
Nitrobenzene
Concen: 44.426 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion: 77 Resp: 246843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.0 | 36.9 | 55.3 |
| 65 | 14.5 | 11.9 | 17.9 |



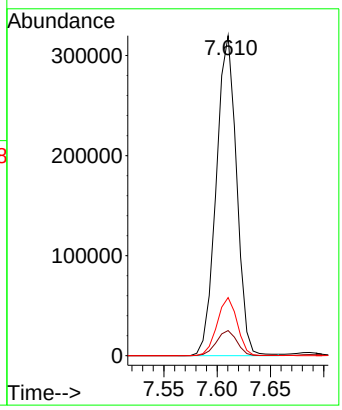


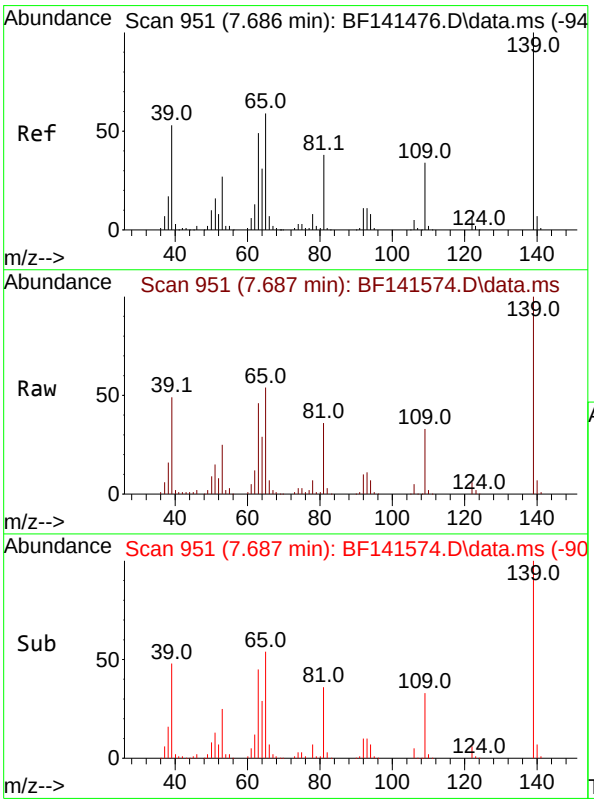

#25
Isophorone
Concen: 46.636 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion: 82 Resp: 423704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.9 | 6.4 | 9.6 |
| 138 | 18.1 | 13.9 | 20.9 |

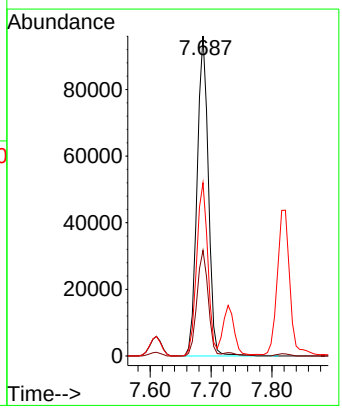


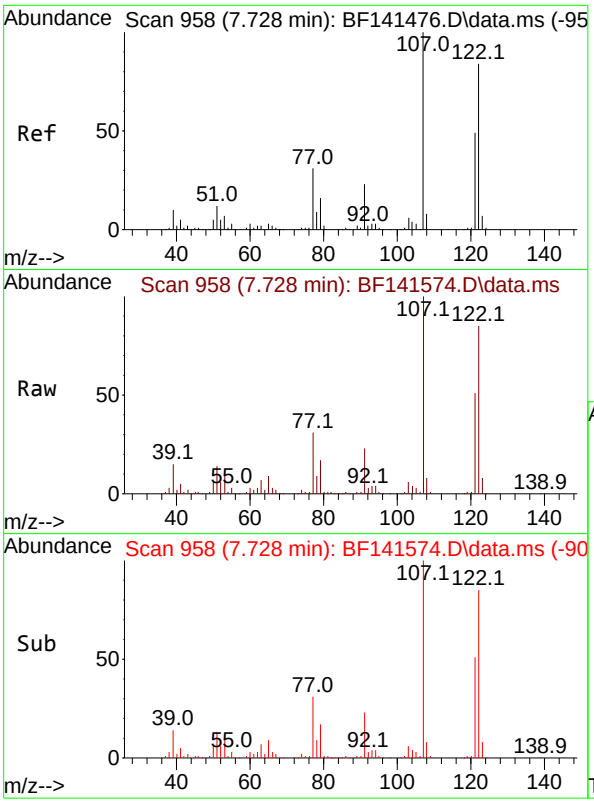




#26
2-Nitrophenol
Concen: 44.837 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:139 Resp: 123944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.0 | 27.0 | 40.6 |
| 65 | 54.1 | 47.1 | 70.7 |



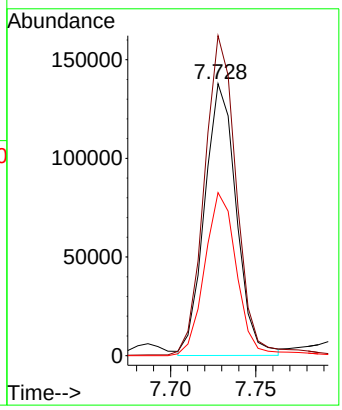


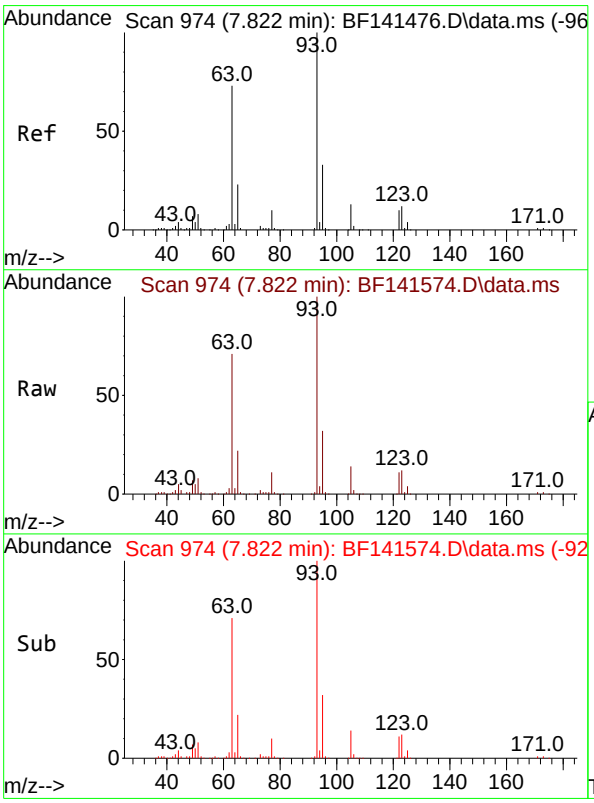

#27
2,4-Dimethylphenol
Concen: 55.244 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:122 Resp: 178402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 117.6 | 94.3 | 141.5 |
| 121 | 60.0 | 46.0 | 69.0 |

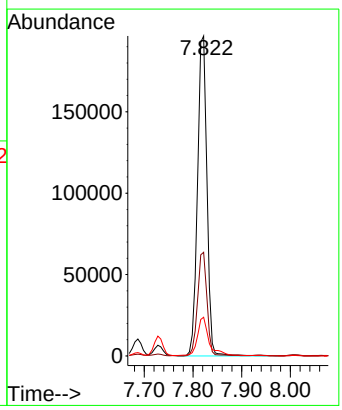


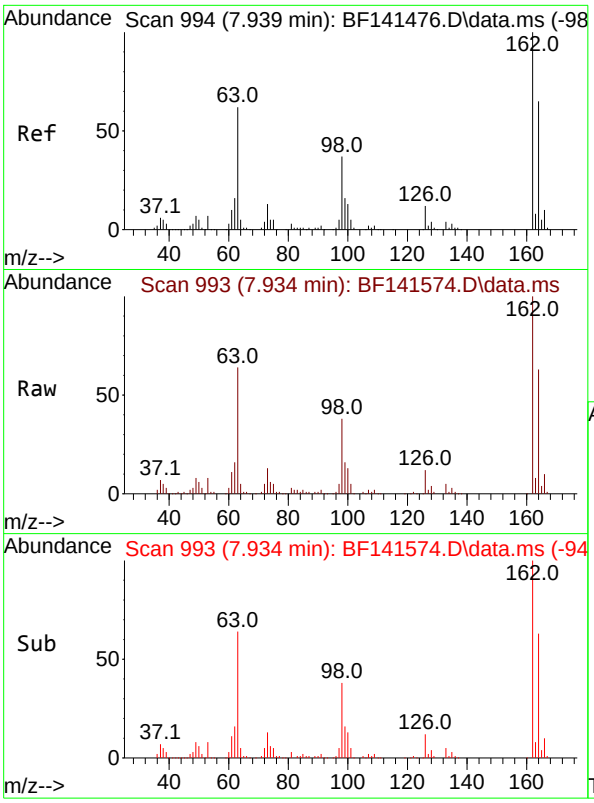




#28
bis(2-Chloroethoxy)methane
Concen: 45.820 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion: 93 Resp: 266748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 26.1 | 39.1 |
| 123 | 12.1 | 9.5 | 14.3 |



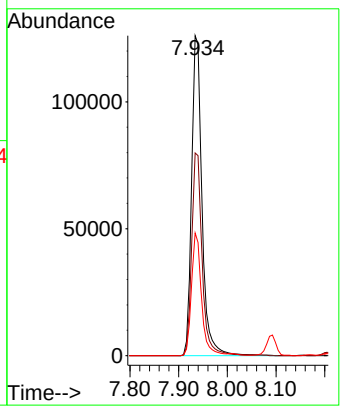


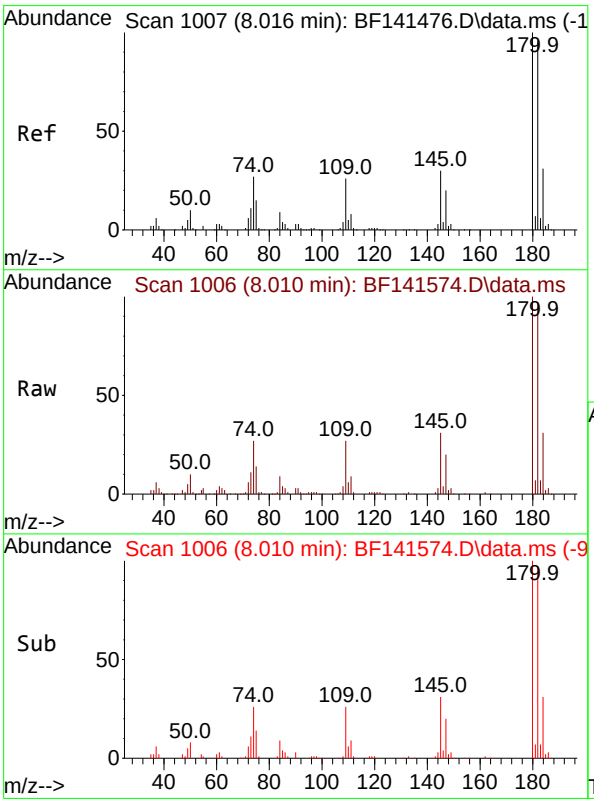

#29
2,4-Dichlorophenol
Concen: 43.129 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:162 Resp: 188183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.3 | 44.6 | 84.6 |
| 98 | 38.4 | 17.2 | 57.2 |

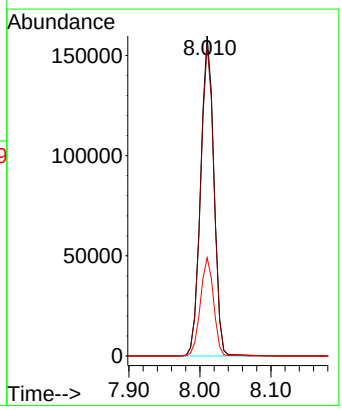


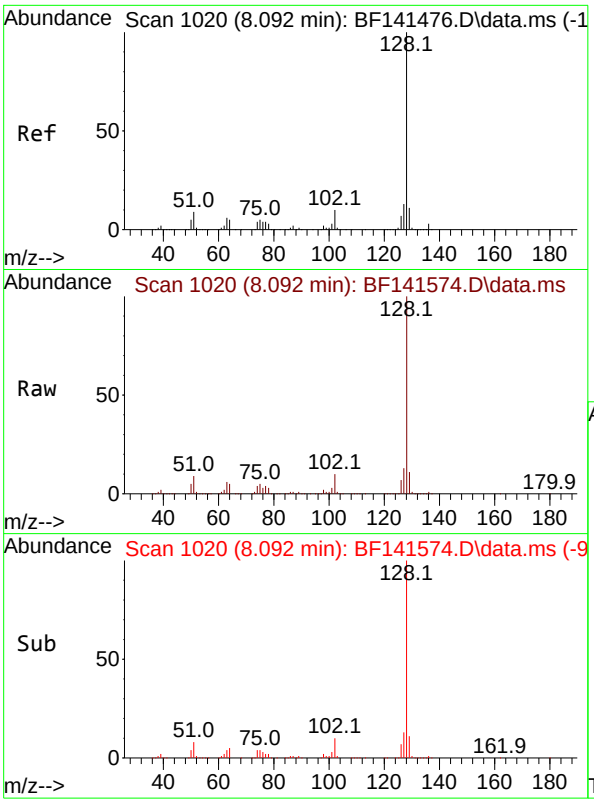




#30
1,2,4-Trichlorobenzene
Concen: 43.889 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:180 Resp: 208540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.2 | 76.8 | 115.2 |
| 145 | 30.7 | 24.2 | 36.4 |



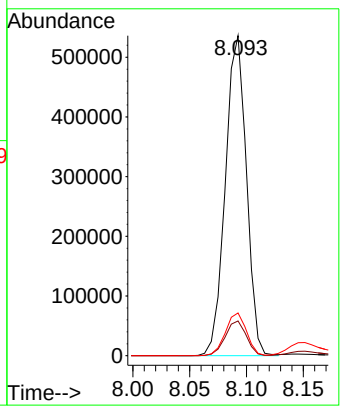


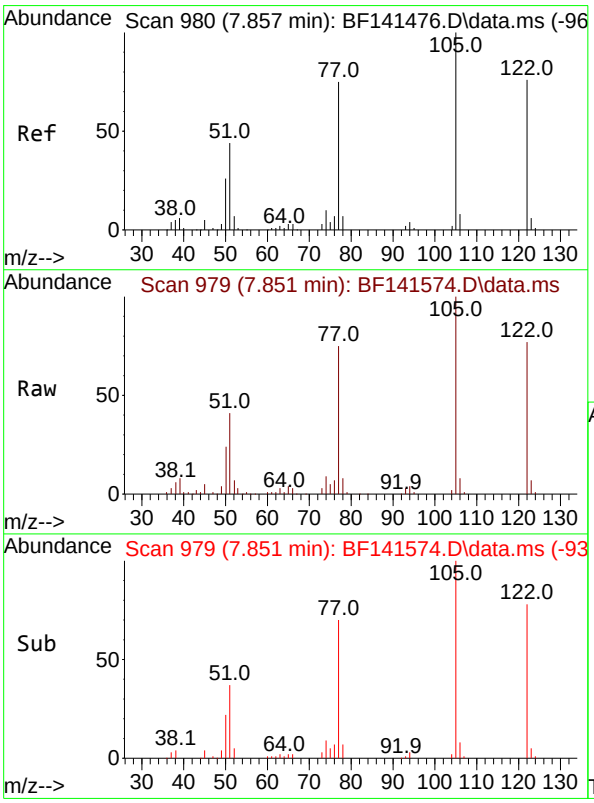

#31
Naphthalene
Concen: 44.804 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:128 Resp: 693134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.9 | 13.3 |
| 127 | 13.4 | 10.7 | 16.1 |

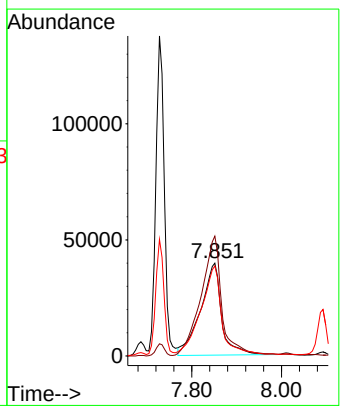


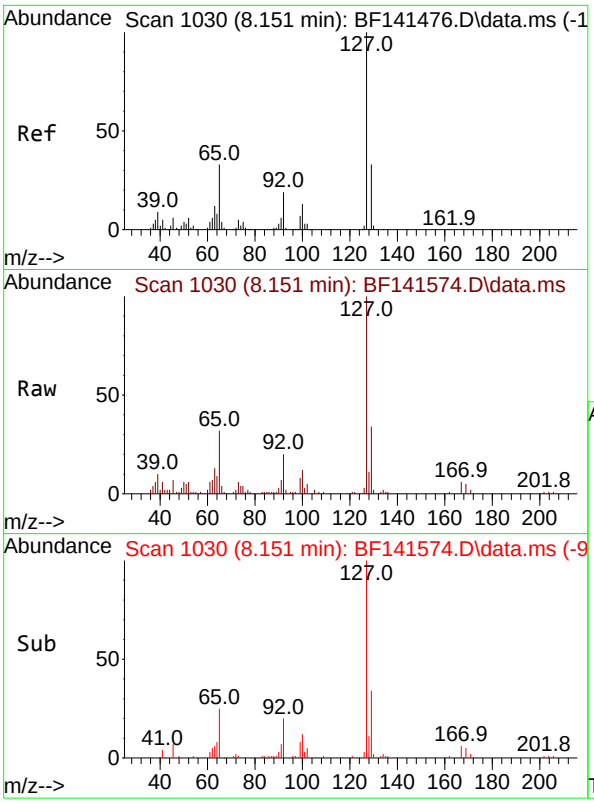




#32
Benzoic acid
Concen: 38.454 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.041 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:122 Resp: 128987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 129.2 | 106.5 | 146.5 |
| 77 | 97.1 | 76.3 | 116.3 |



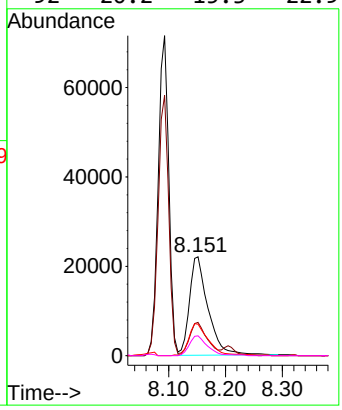


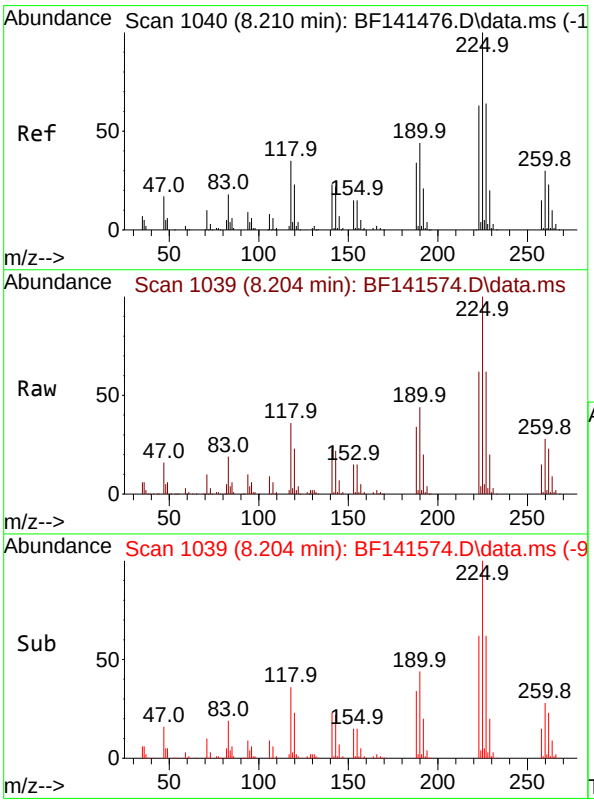

#33
4-Chloroaniline
Concen: 9.288 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:127 Resp: 50168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 33.6 | 26.5 | 39.7 |
| 65 | 31.9 | 26.4 | 39.6 |
| 92 | 20.2 | 15.3 | 22.9 |

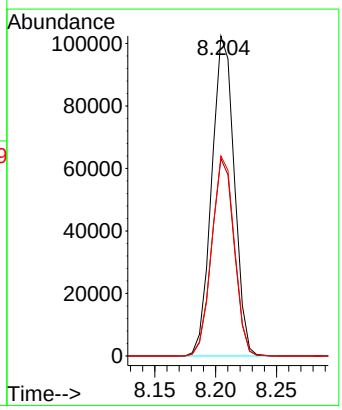


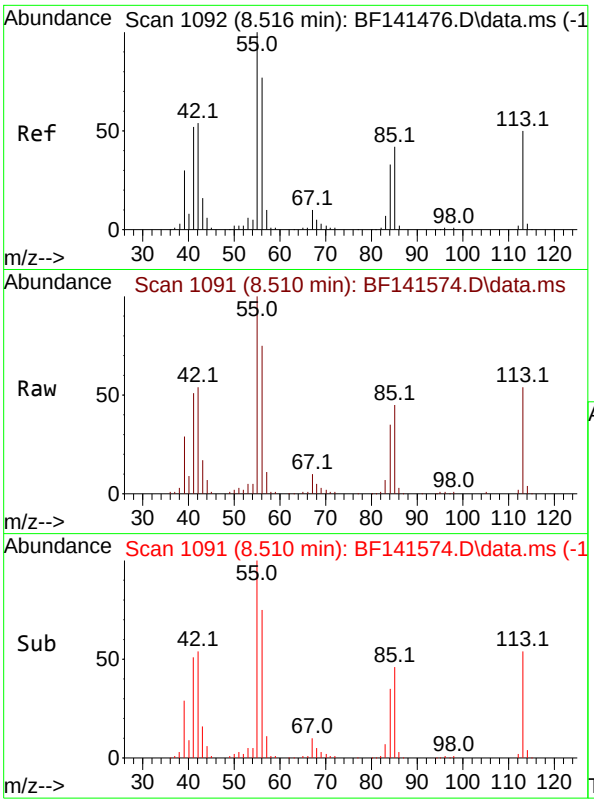




#34
Hexachlorobutadiene
Concen: 46.238 ng
RT: 8.204 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:225 Resp: 131893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.7 | 50.1 | 75.1 |
| 227 | 62.5 | 51.0 | 76.6 |



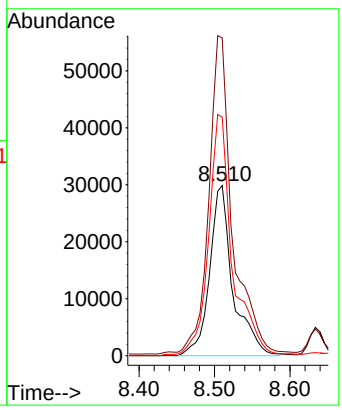


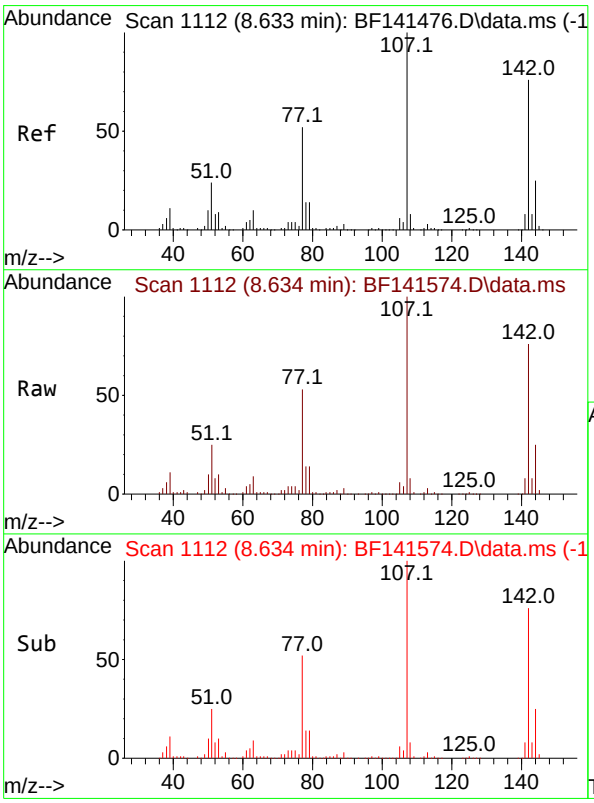

#35
Caprolactam
Concen: 48.251 ng m
RT: 8.510 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:113 Resp: 64101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 186.7 | 180.8 | 220.8 |
| 56 | 140.3 | 133.6 | 173.6 |

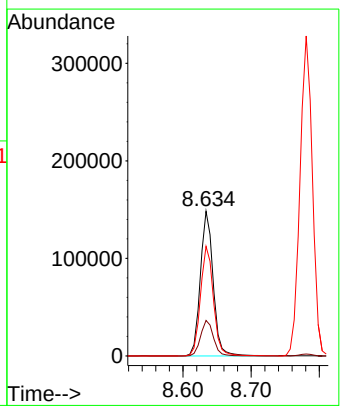


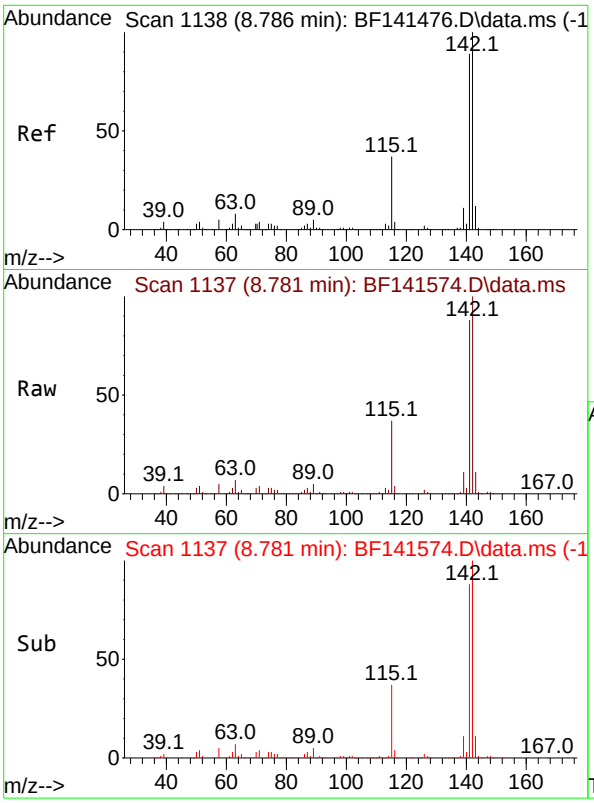




#36
4-Chloro-3-methylphenol
Concen: 40.225 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:107 Resp: 194418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.5 | 19.7 | 29.5 |
| 142 | 75.8 | 60.8 | 91.2 |



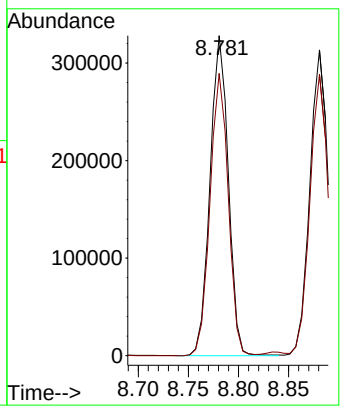


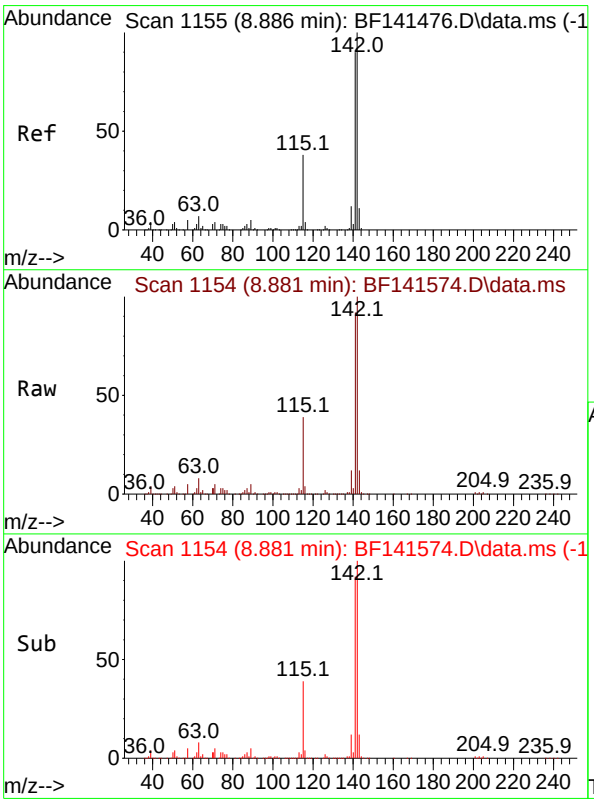

#37
2-Methylnaphthalene
Concen: 41.369 ng
RT: 8.781 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:142 Resp: 416459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.2 | 71.2 | 106.8 |

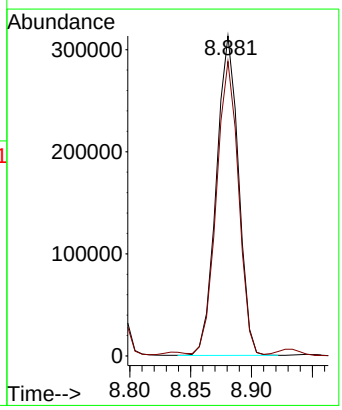


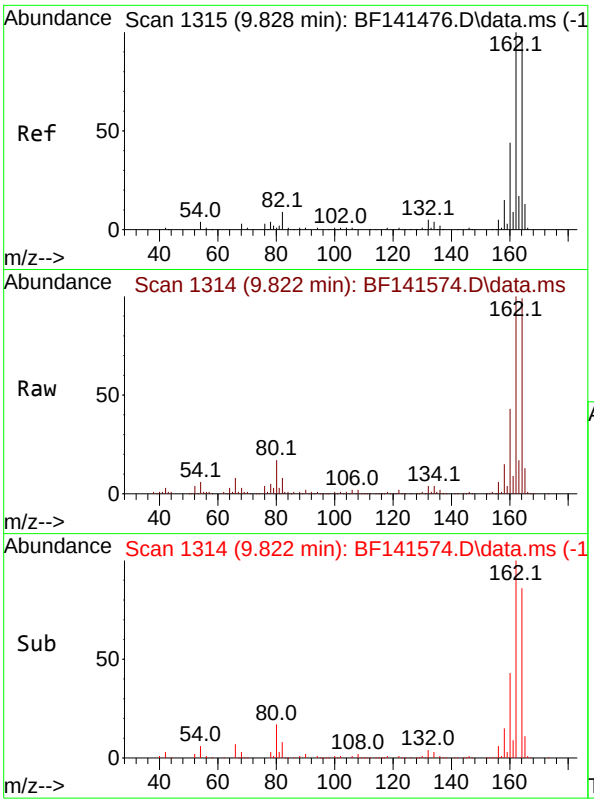




#38
1-Methylnaphthalene
Concen: 40.605 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:142 Resp: 395909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.1 | 72.1 | 108.1 |



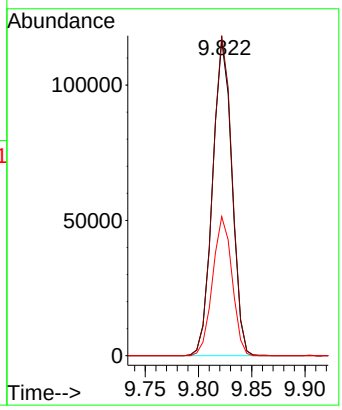


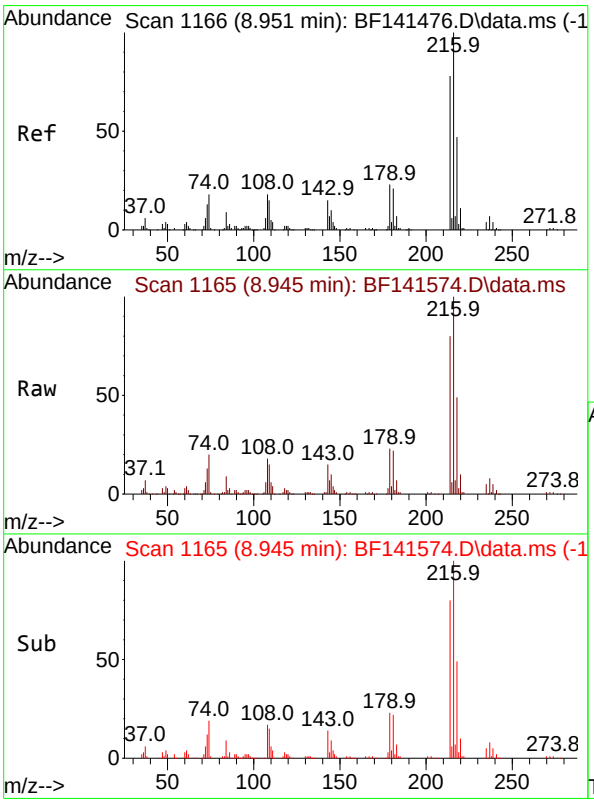

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:164 Resp: 147170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.5 | 81.3 | 121.9 |
| 160 | 44.1 | 35.9 | 53.9 |

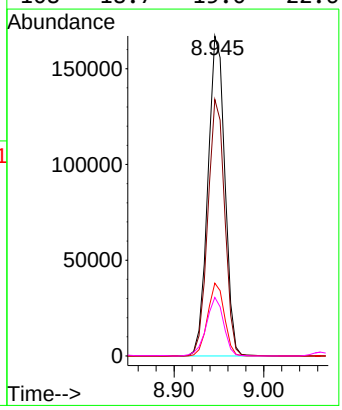


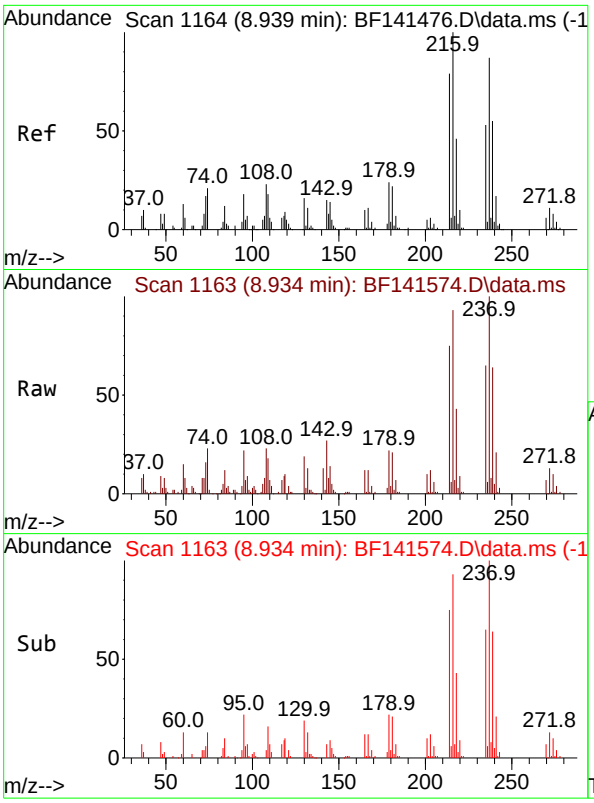




#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.485 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:216 Resp: 219213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.7 | 62.3 | 93.5 |
| 179 | 22.4 | 18.0 | 27.0 |
| 108 | 18.7 | 15.0 | 22.6 |



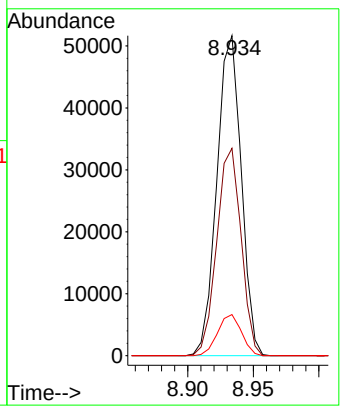


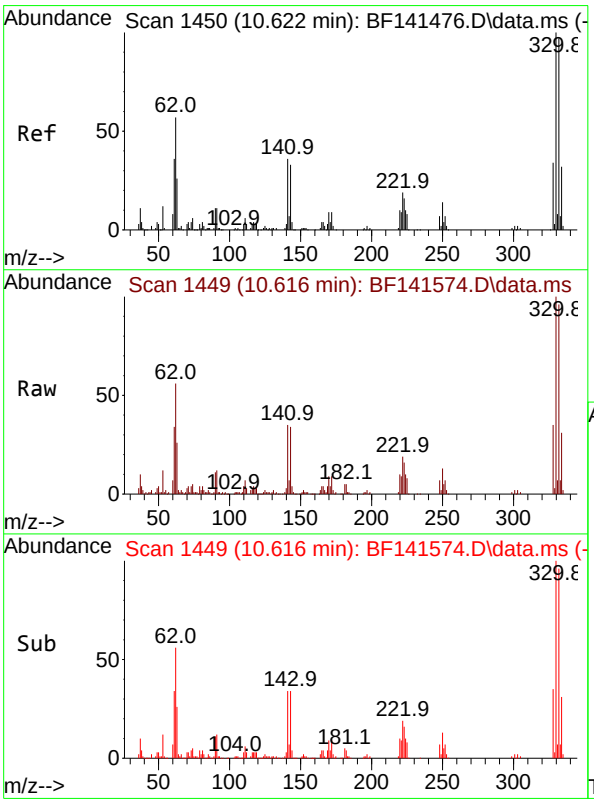

#41
Hexachlorocyclopentadiene
Concen: 47.146 ng
RT: 8.934 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:237 Resp: 66767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 64.8 | 41.4 | 81.4 |
| 272 | 12.9 | 0.0 | 32.4 |

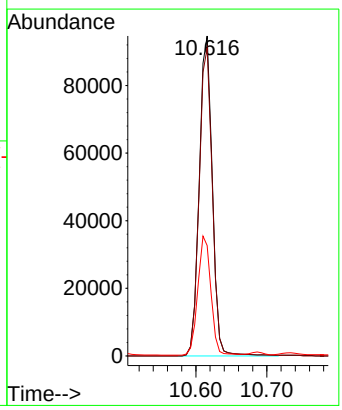


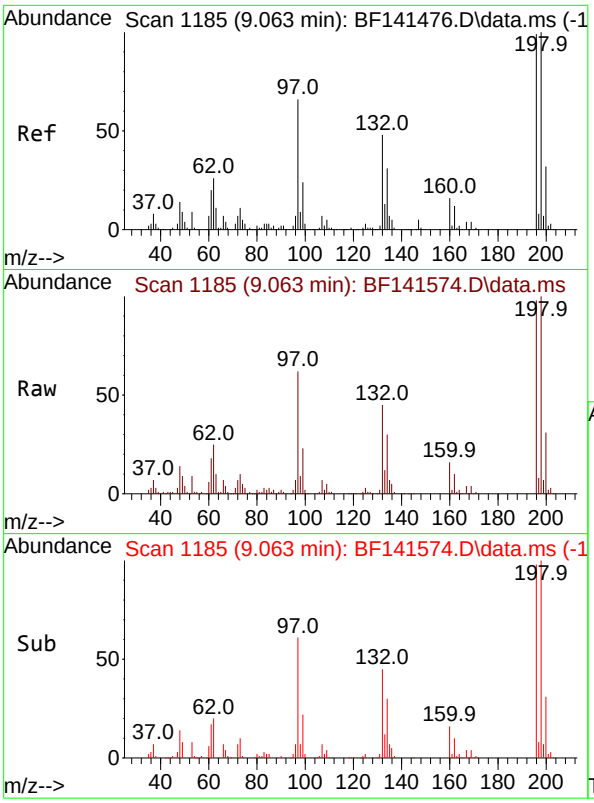




#42
2,4,6-Tribromophenol
Concen: 82.164 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:330 Resp: 121471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.1 | 78.5 | 117.7 |
| 141 | 37.3 | 31.0 | 46.4 |



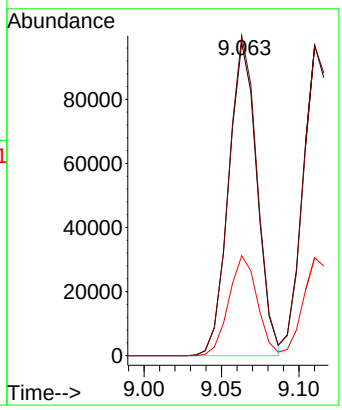


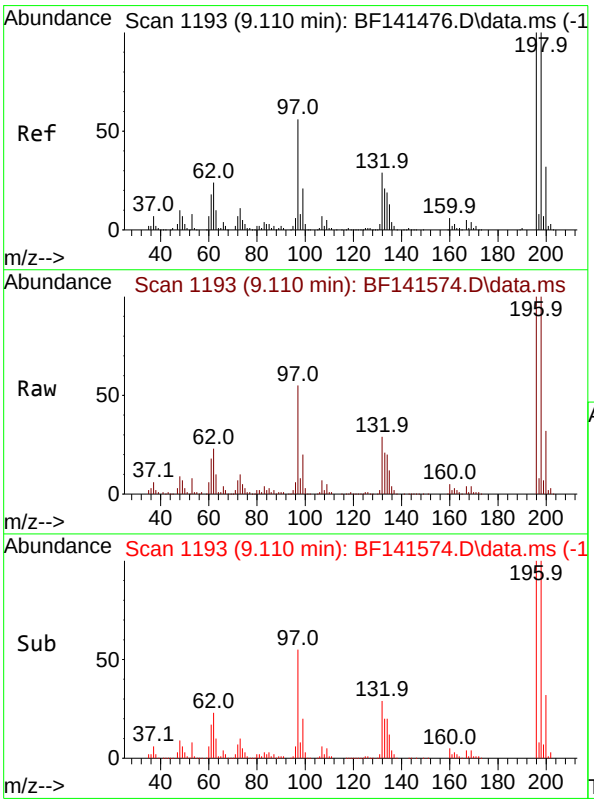

#43
2,4,6-Trichlorophenol
Concen: 45.141 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:196 Resp: 124222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 102.2 | 80.6 | 121.0 |
| 200 | 32.0 | 25.5 | 38.3 |

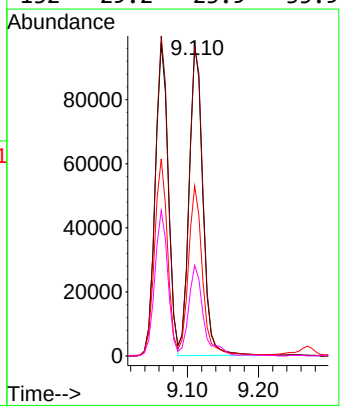


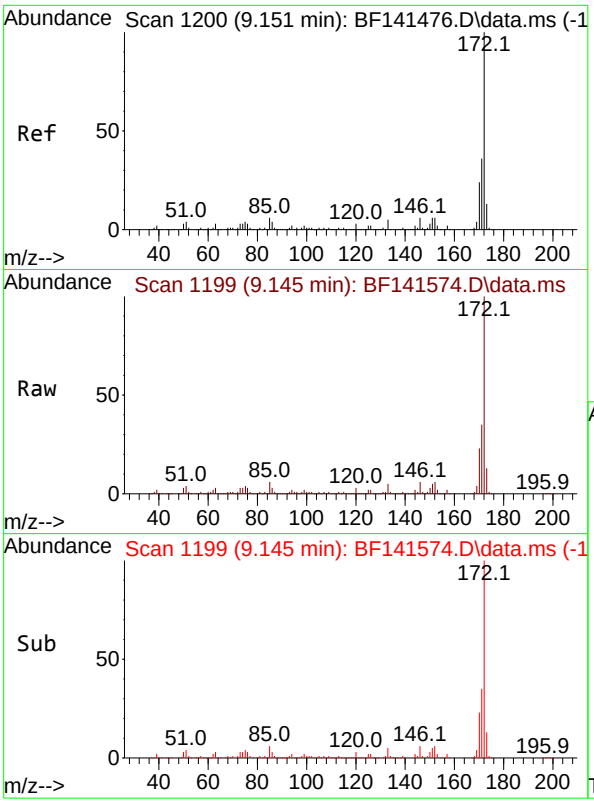




#44
2,4,5-Trichlorophenol
Concen: 43.489 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:196 Resp: 129702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.7 | 79.8 | 119.8 |
| 97 | 54.7 | 44.8 | 67.2 |
| 132 | 29.2 | 23.9 | 35.9 |



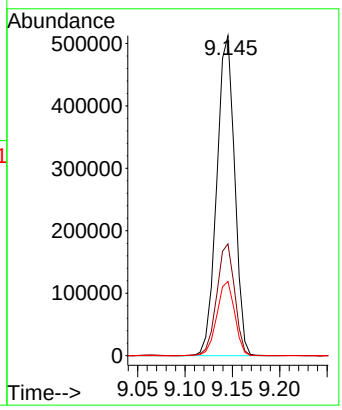


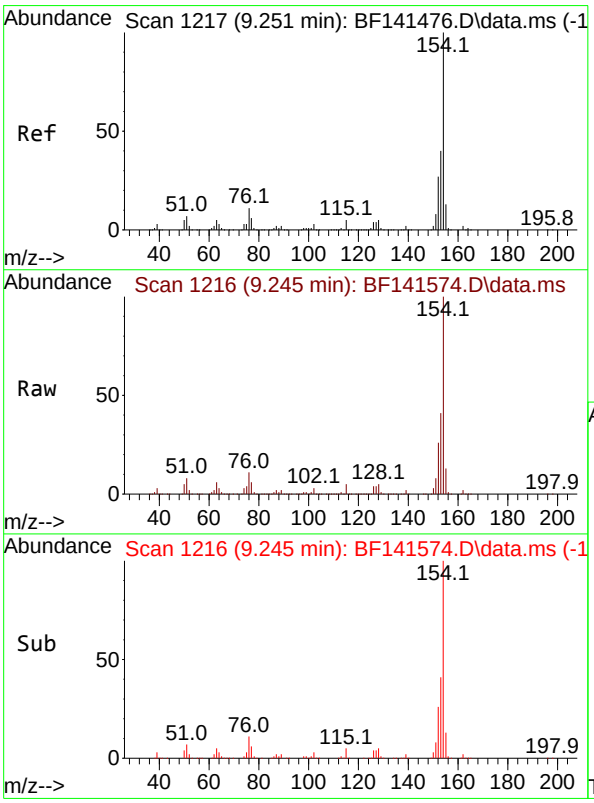

#45
2-Fluorobiphenyl
Concen: 70.557 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:172 Resp: 674000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 28.7 | 43.1 |
| 170 | 23.2 | 18.9 | 28.3 |

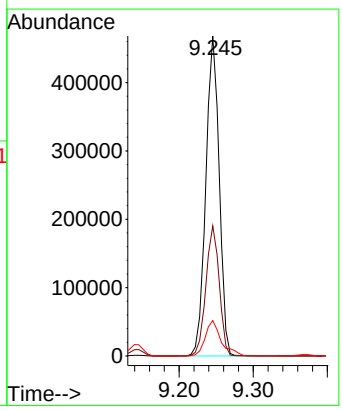


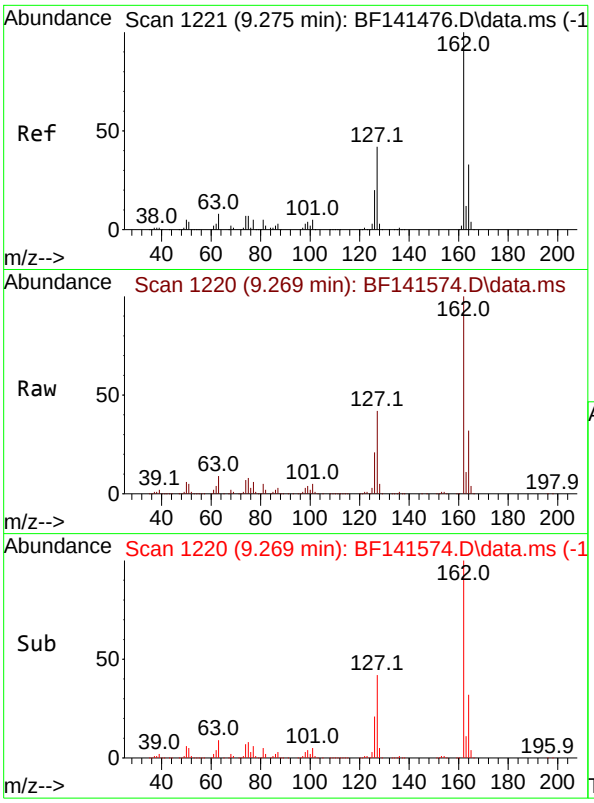




#46
1,1'-Biphenyl
Concen: 51.413 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:154 Resp: 586614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.6 | 20.4 | 60.4 |
| 76 | 11.1 | 0.0 | 30.8 |



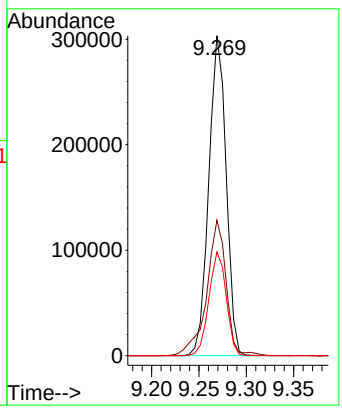


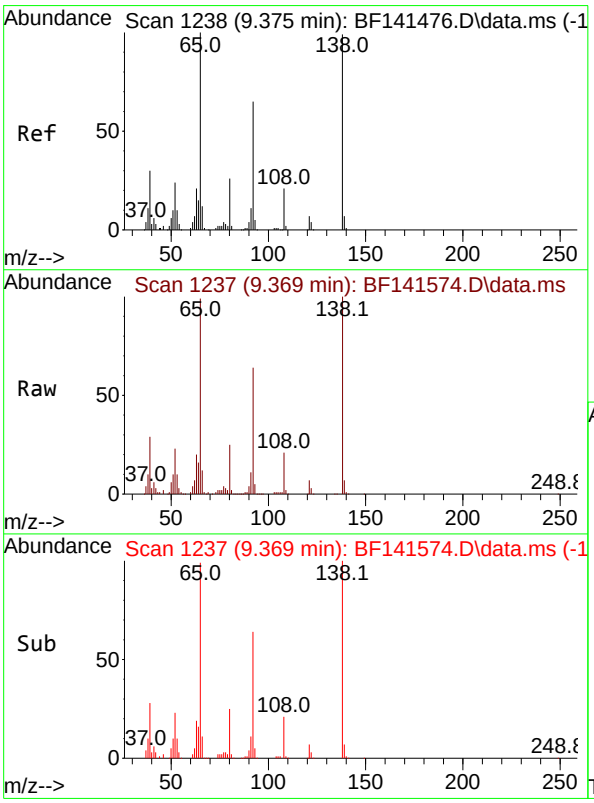

#47
2-Chloronaphthalene
Concen: 45.792 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:162 Resp: 386355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.3 | 34.1 | 51.1 |
| 164 | 32.4 | 26.3 | 39.5 |

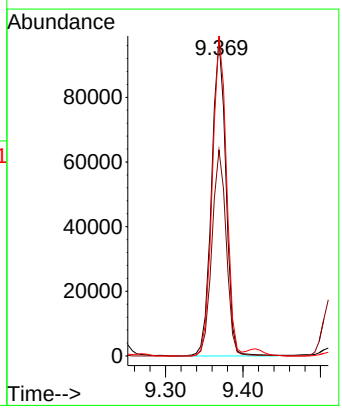


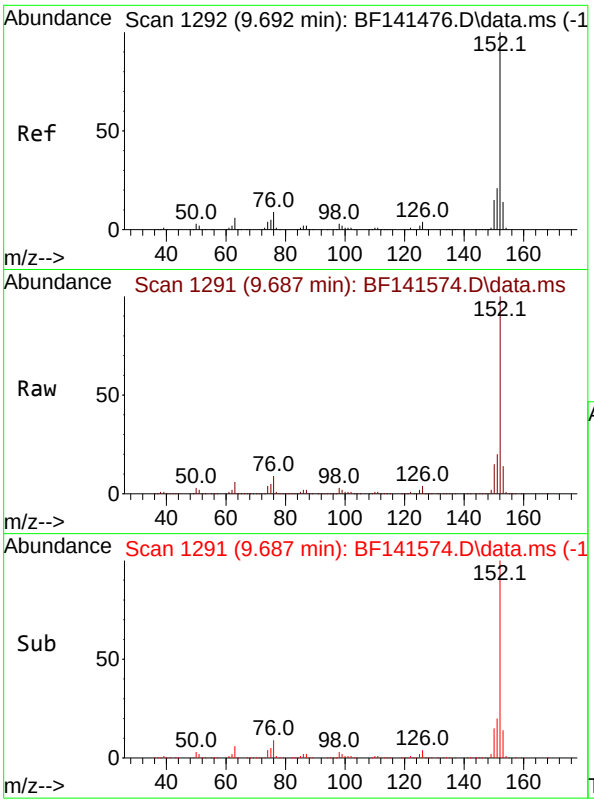




#48
2-Nitroaniline
Concen: 44.362 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion: 65 Resp: 125612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 65.0 | 52.2 | 78.2 |
| 138 | 101.0 | 79.5 | 119.3 |



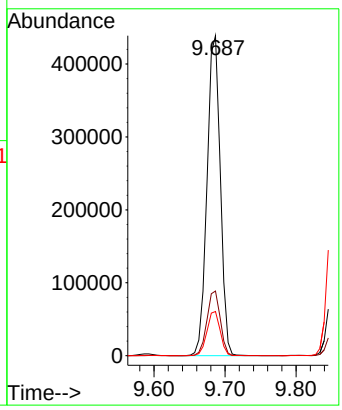


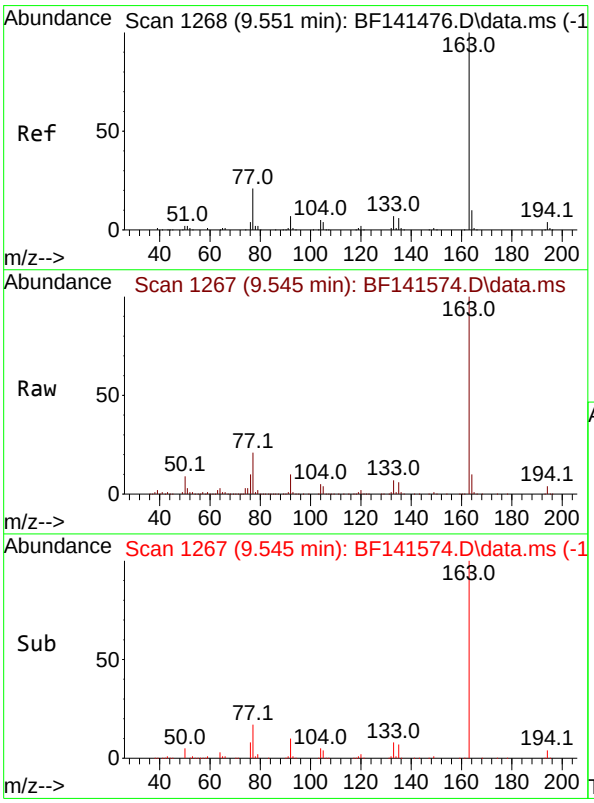

#49
Acenaphthylene
Concen: 45.452 ng
RT: 9.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:152 Resp: 570401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 16.4 | 24.6 |
| 153 | 13.8 | 10.9 | 16.3 |

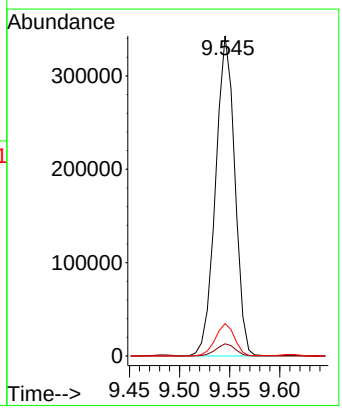


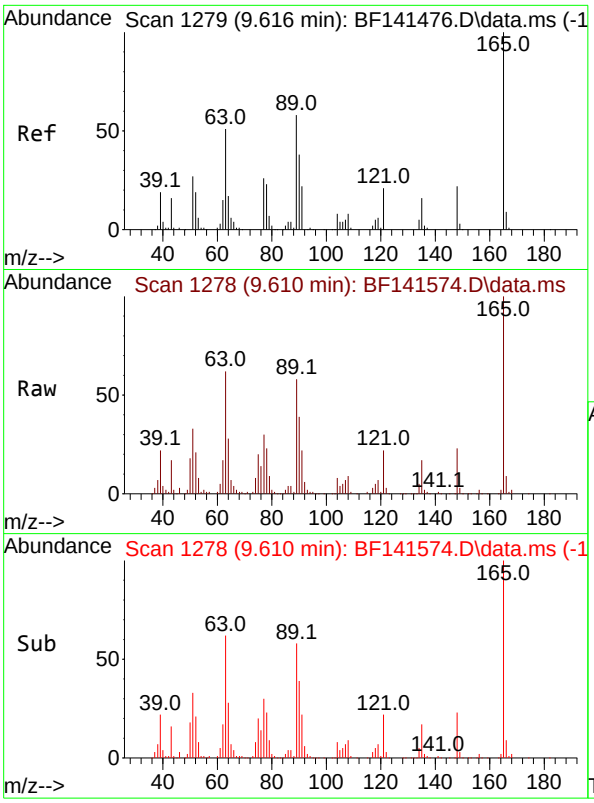




#50
Dimethylphthalate
Concen: 45.730 ng
RT: 9.545 min Scan# 1267
Delta R.T. -0.017 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:163 Resp: 456888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.4 |
| 164 | 10.1 | 7.9 | 11.9 |



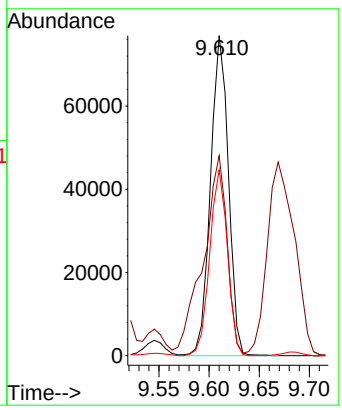


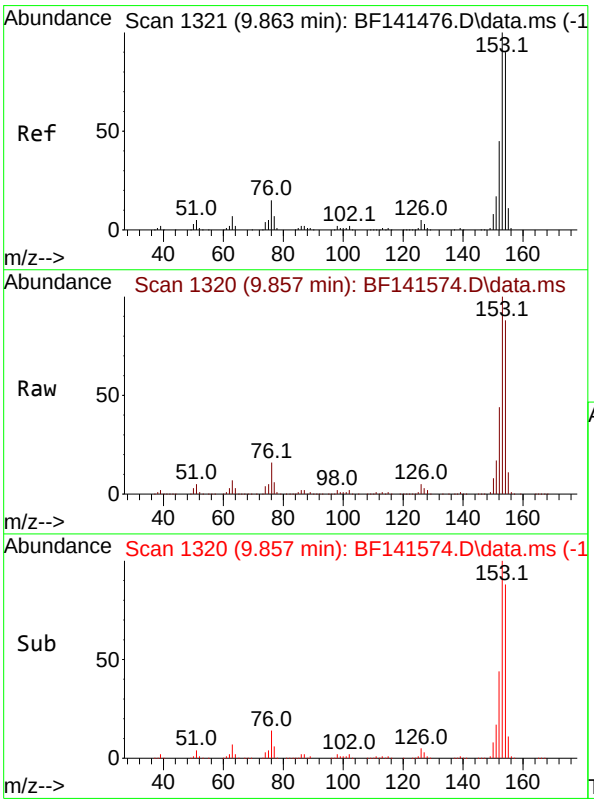

#51
2,6-Dinitrotoluene
Concen: 43.621 ng
RT: 9.610 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:165 Resp: 95272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 62.5 | 49.4 | 74.0 |
| 89 | 58.0 | 46.5 | 69.7 |

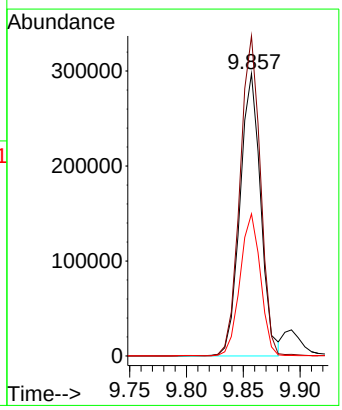


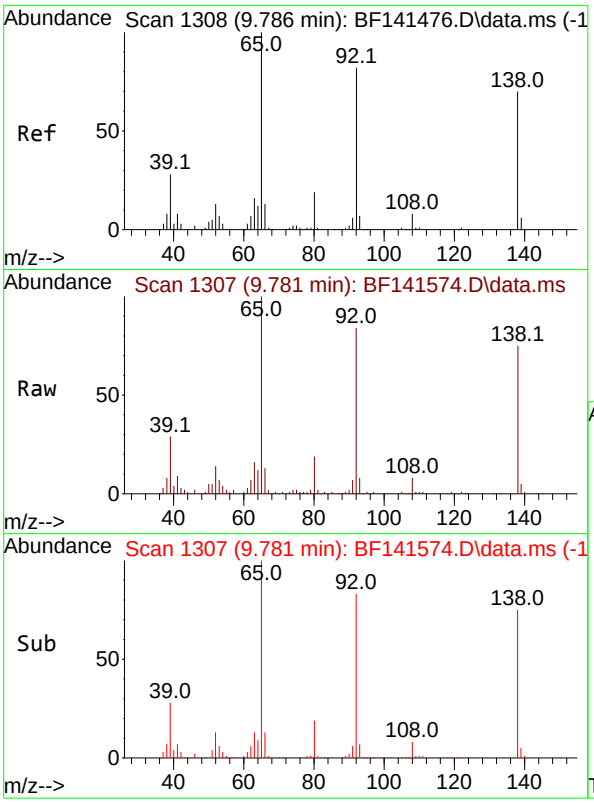




#52
Acenaphthene
Concen: 44.607 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.011 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:154 Resp: 376338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.4 | 89.2 | 133.8 |
| 152 | 50.4 | 39.8 | 59.8 |



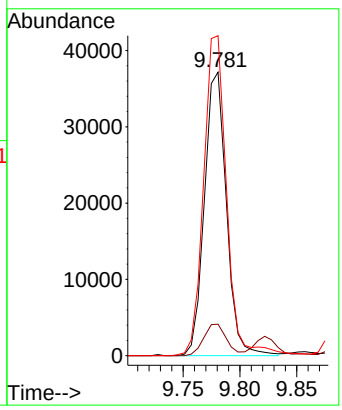


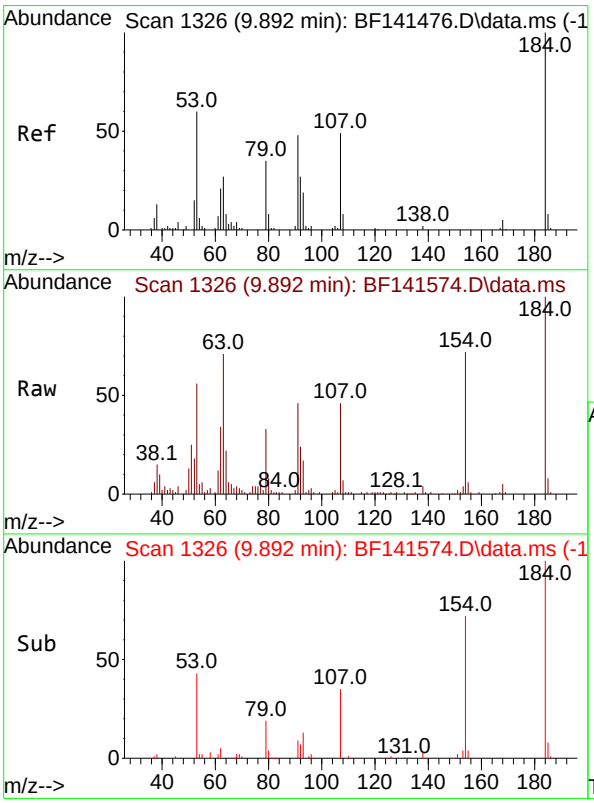

#53
3-Nitroaniline
Concen: 21.363 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:138 Resp: 50219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.1 | 9.0 | 13.4 |
| 92 | 112.8 | 93.7 | 140.5 |

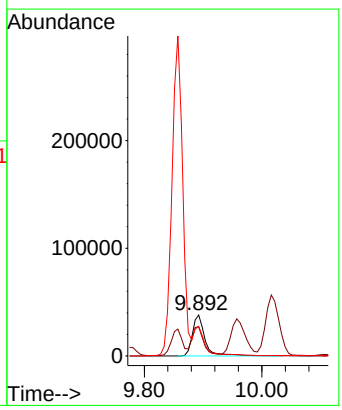


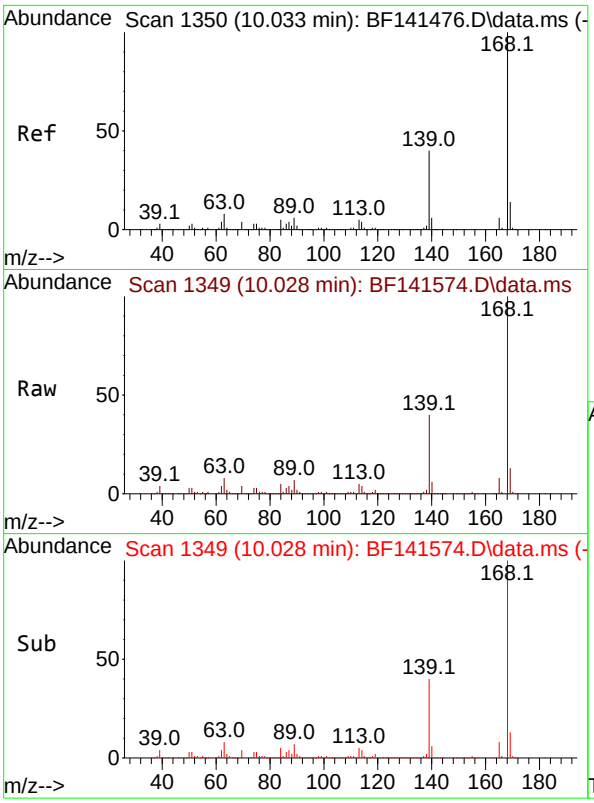




#54
2,4-Dinitrophenol
Concen: 43.616 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:184 Resp: 56617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 70.9 | 61.0 | 91.6 |
| 154 | 72.0 | 59.9 | 89.9 |



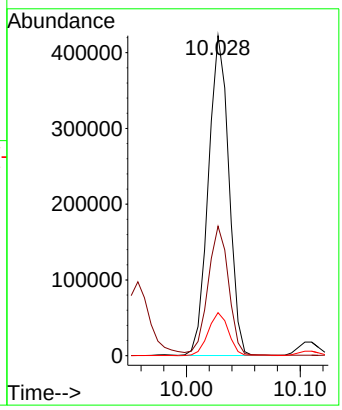


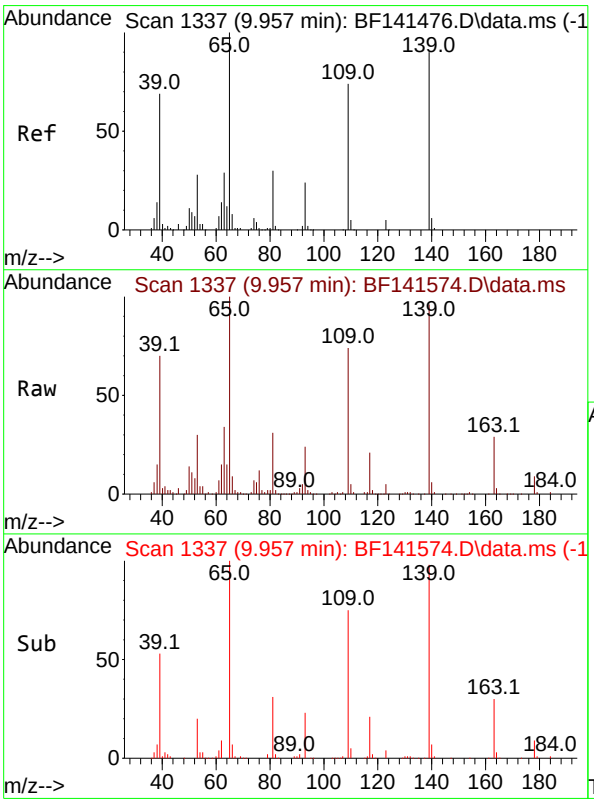

#55
Dibenzofuran
Concen: 42.589 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:168 Resp: 527415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.4 | 32.7 | 49.1 |
| 169 | 13.5 | 10.8 | 16.2 |

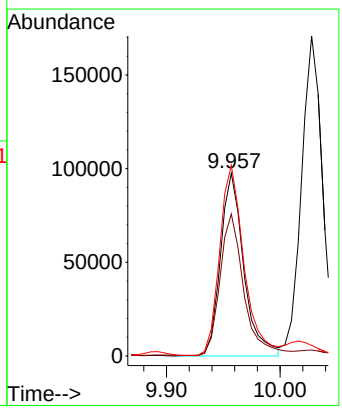


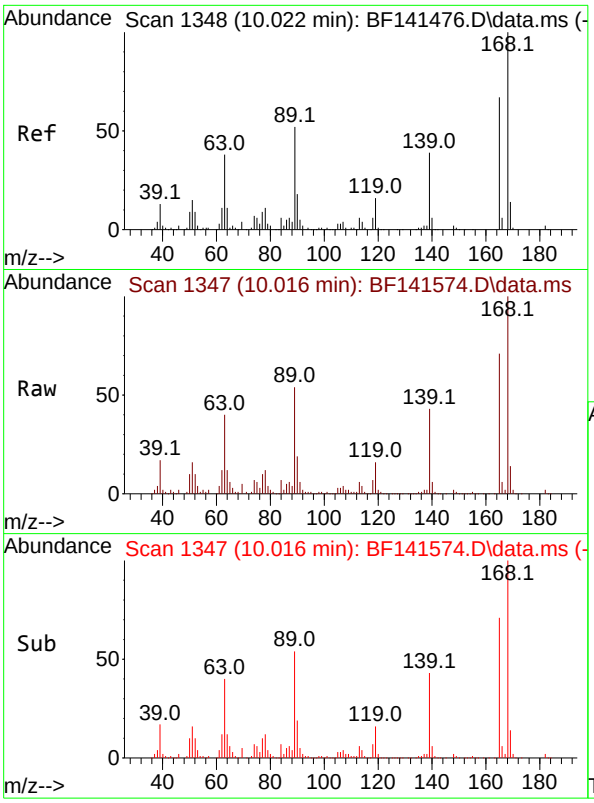




#56
4-Nitrophenol
Concen: 79.747 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:139 Resp: 139161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 77.6 | 62.0 | 102.0 |
| 65 | 104.3 | 91.2 | 131.2 |



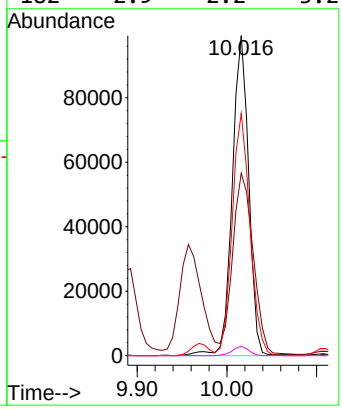


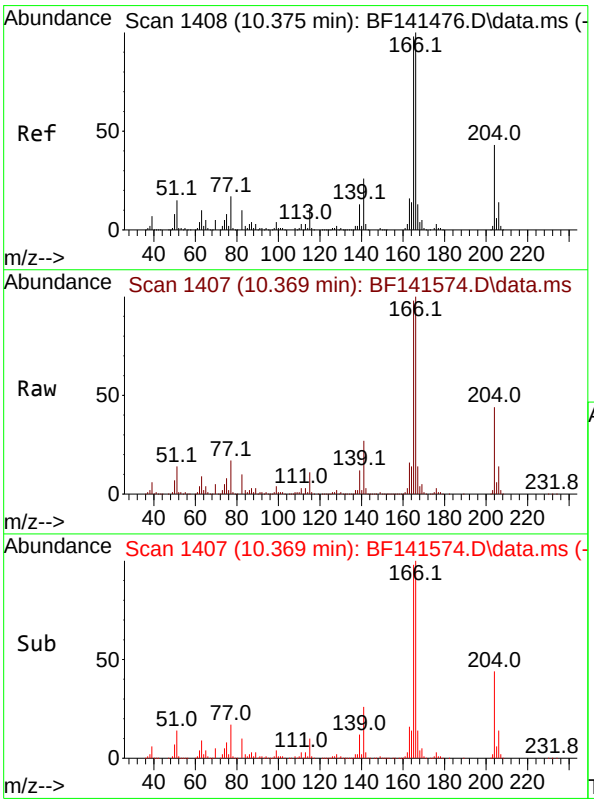

#57
2,4-Dinitrotoluene
Concen: 43.365 ng
RT: 10.016 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:165 Resp: 126086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 57.0 | 46.4 | 69.6 |
| 89 | 75.6 | 61.8 | 92.6 |
| 182 | 2.9 | 2.2 | 3.2 |

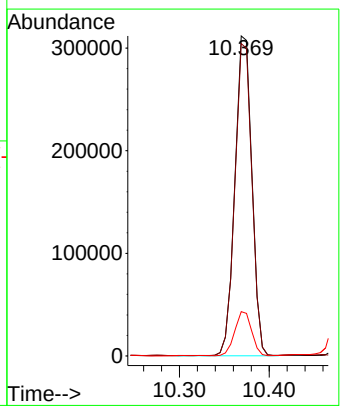


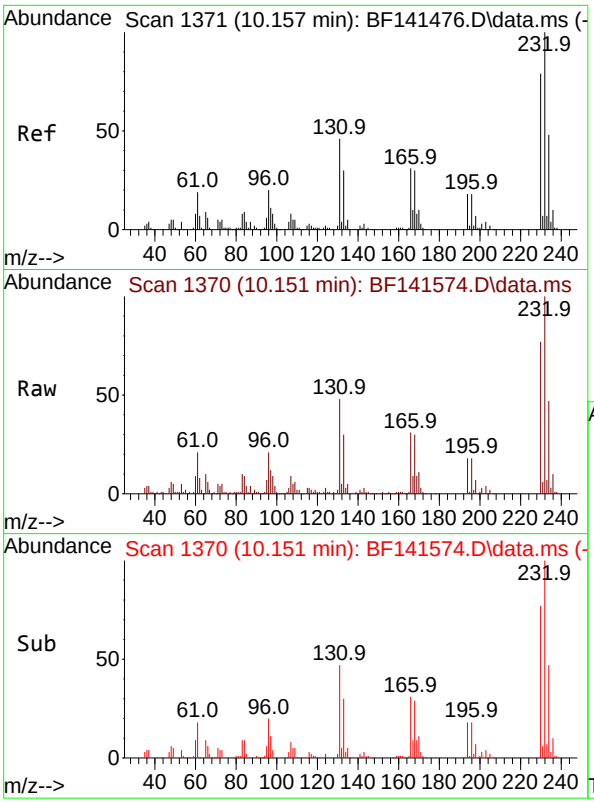




#58
Fluorene
Concen: 42.734 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:166 Resp: 409183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.6 | 78.2 | 117.2 |
| 167 | 13.9 | 10.7 | 16.1 |



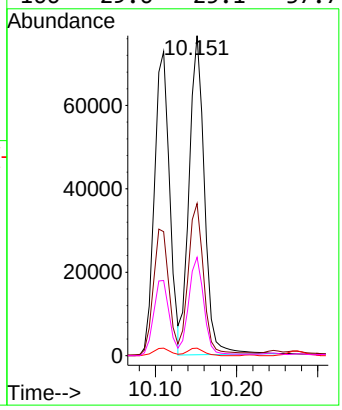


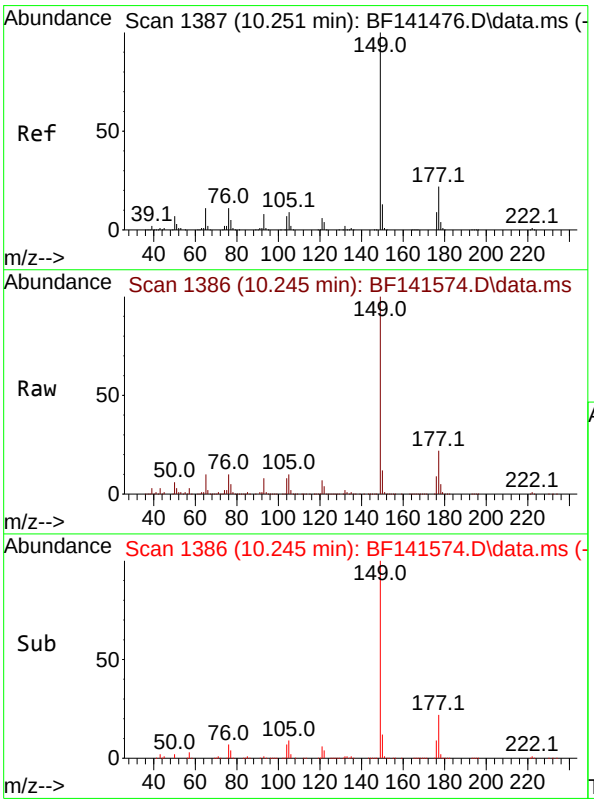

#59
2,3,4,6-Tetrachlorophenol
Concen: 39.164 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:232 Resp: 100561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.1 | 39.2 | 58.8 |
| 130 | 2.6 | 2.1 | 3.1 |
| 166 | 29.6 | 25.1 | 37.7 |

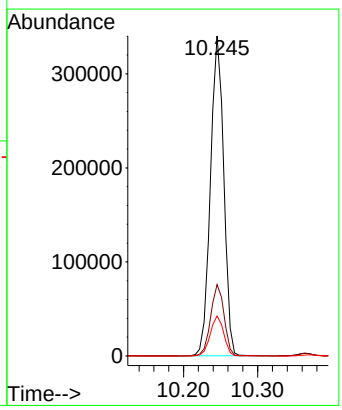


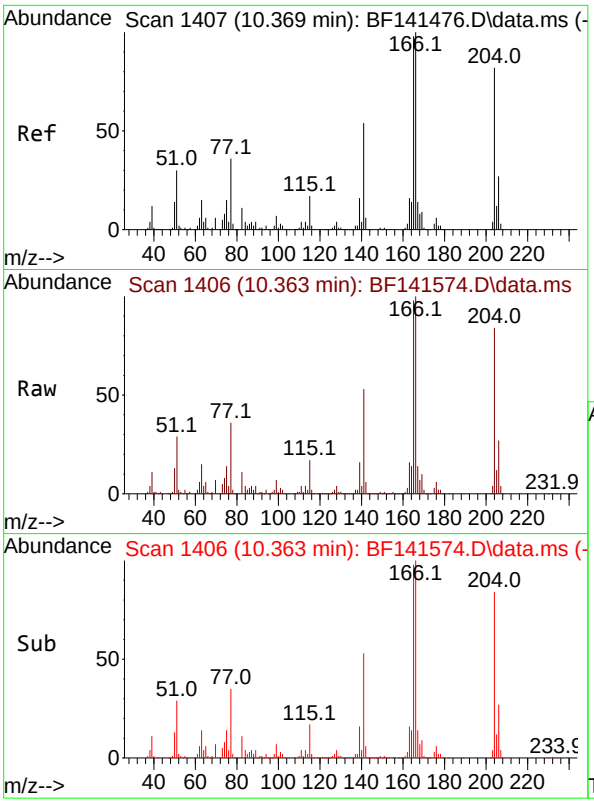




#60
Diethylphthalate
Concen: 43.093 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:149 Resp: 423603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.3 | 17.8 | 26.6 |
| 150 | 12.5 | 10.1 | 15.1 |



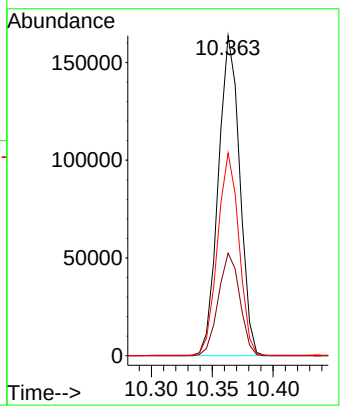


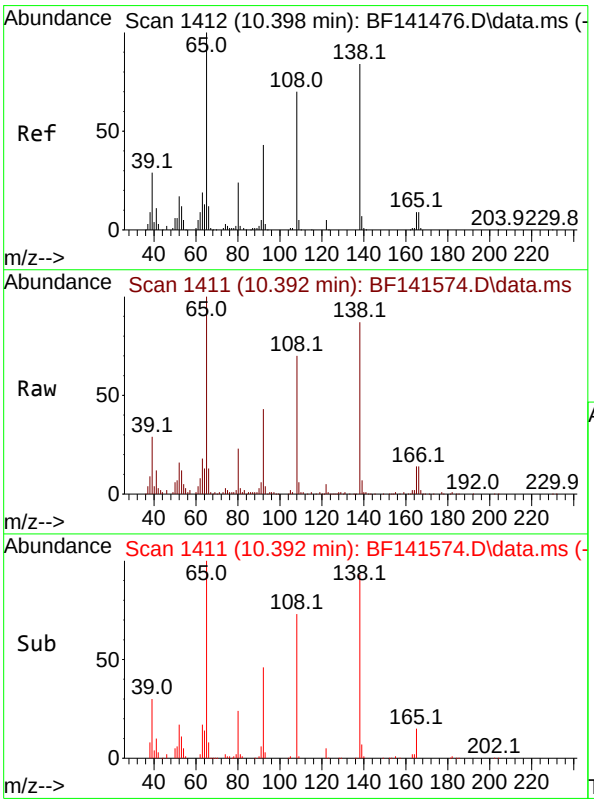

#61
4-Chlorophenyl-phenylether
Concen: 43.439 ng
RT: 10.363 min Scan# 14
Delta R.T. -0.011 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:204 Resp: 200100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.1 | 26.6 | 40.0 |
| 141 | 63.3 | 51.9 | 77.9 |

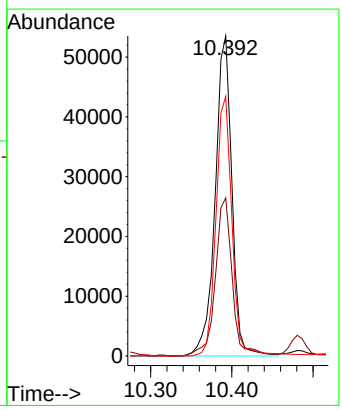


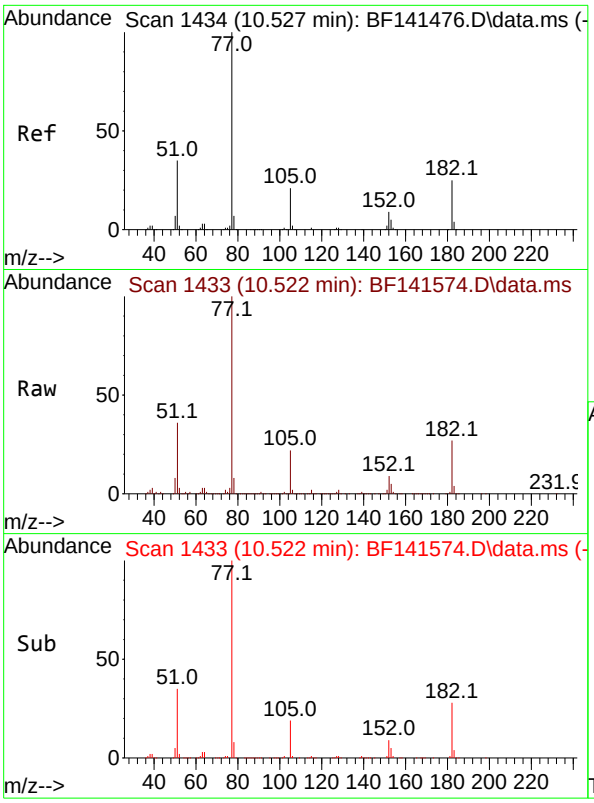




#62
4-Nitroaniline
Concen: 32.272 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:138 Resp: 77033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.4 | 31.3 | 71.3 |
| 108 | 81.1 | 63.7 | 103.7 |



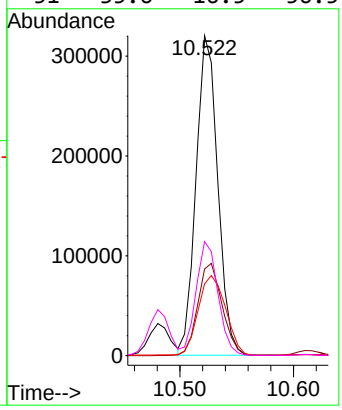


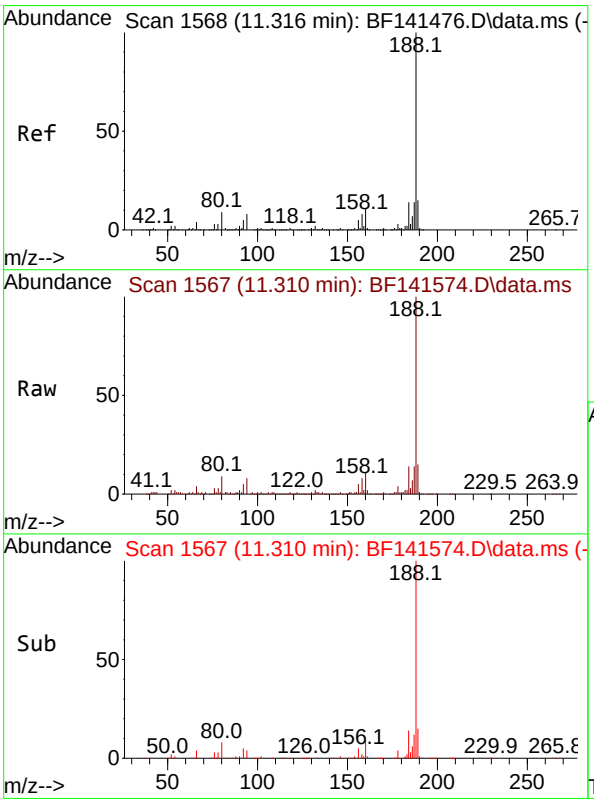

#63
Azobenzene
Concen: 43.531 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion: 77 Resp: 425393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.1 | 4.7 | 44.7 |
| 105 | 22.5 | 0.4 | 40.4 |
| 51 | 35.6 | 16.5 | 56.5 |

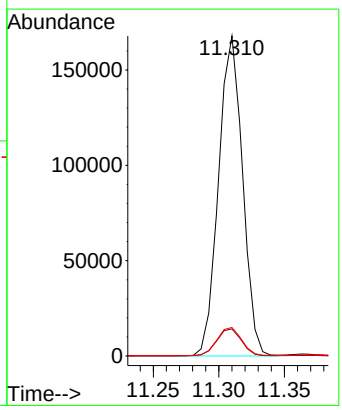


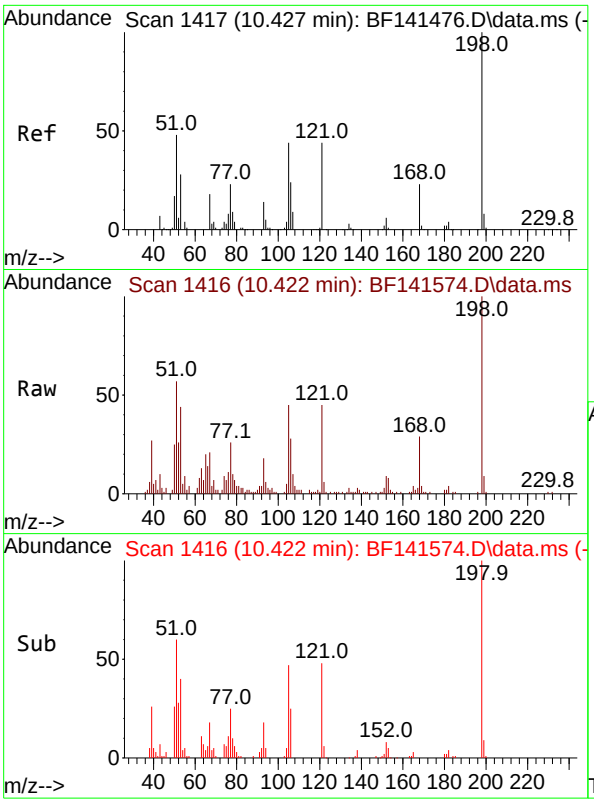




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:188 Resp: 213794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 6.6 | 10.0 |
| 80 | 8.9 | 7.3 | 10.9 |



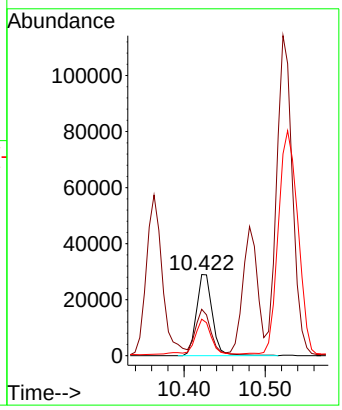


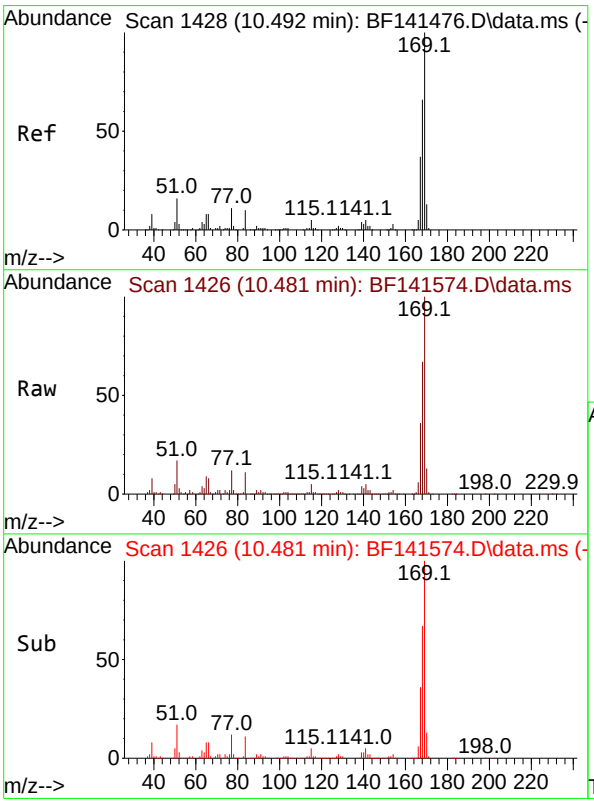

#65
4,6-Dinitro-2-methylphenol
Concen: 26.594 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:198 Resp: 39496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 57.3 | 37.4 | 77.4 |
| 105 | 45.0 | 25.2 | 65.2 |

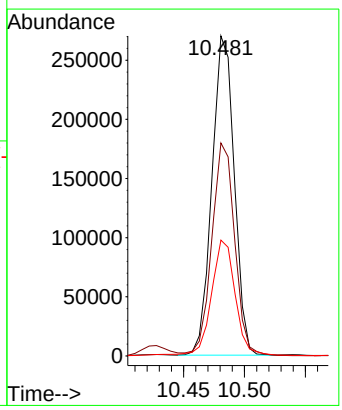


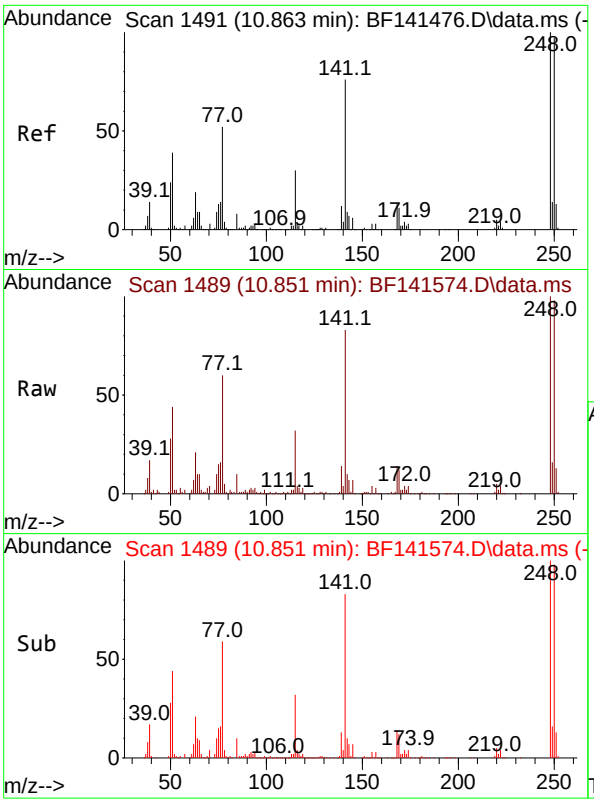




#66
n-Nitrosodiphenylamine
Concen: 50.246 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.017 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:169 Resp: 343871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.5 | 53.3 | 79.9 |
| 167 | 36.2 | 29.4 | 44.2 |



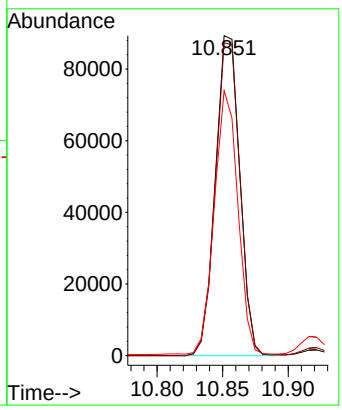


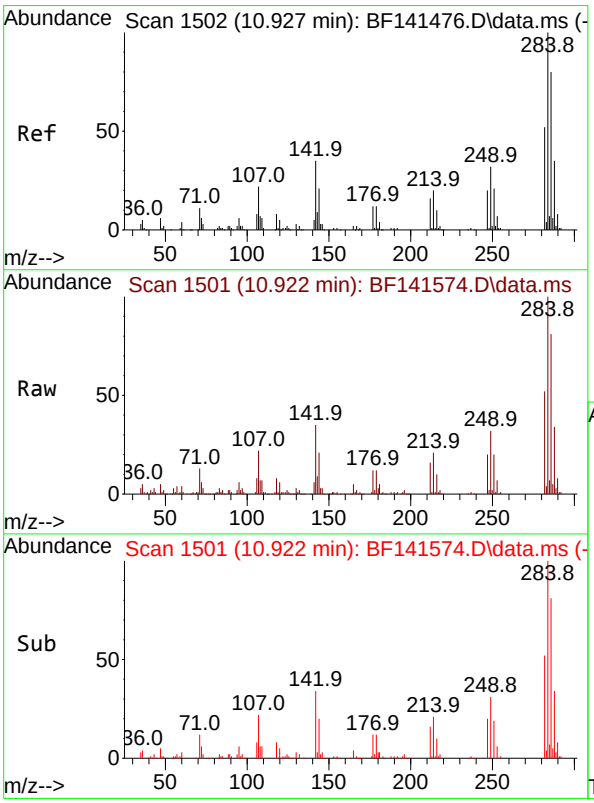

#67
4-Bromophenyl-phenylether
Concen: 48.623 ng
RT: 10.851 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:248 Resp: 116182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.8 | 77.8 | 116.6 |
| 141 | 82.8 | 60.6 | 90.8 |

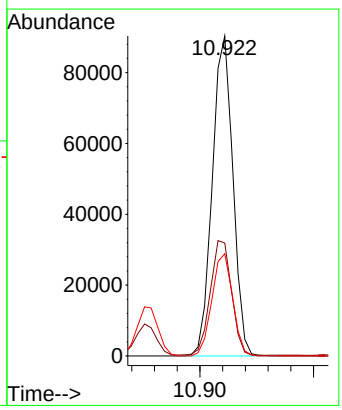


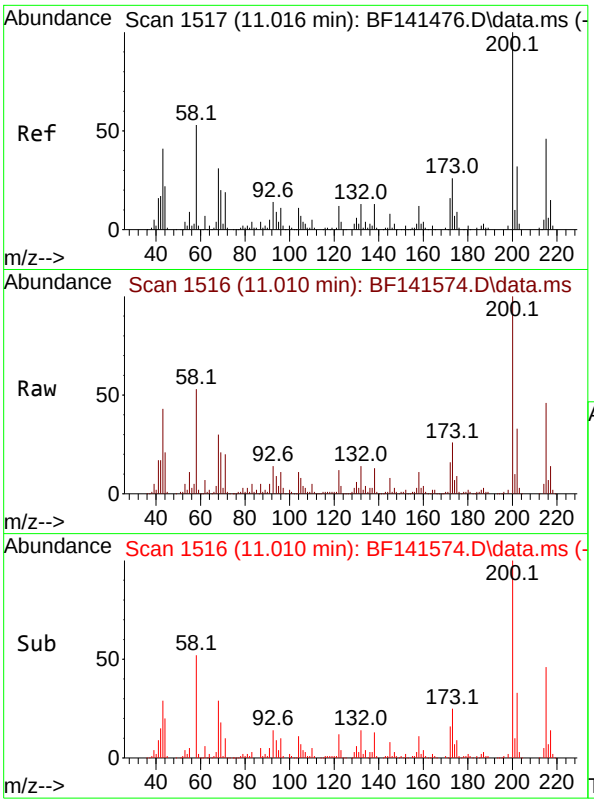




#68
Hexachlorobenzene
Concen: 46.245 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:284 Resp: 113784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 35.3 | 28.0 | 42.0 |
| 249 | 32.0 | 25.8 | 38.8 |



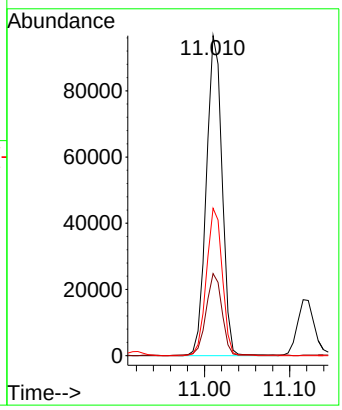


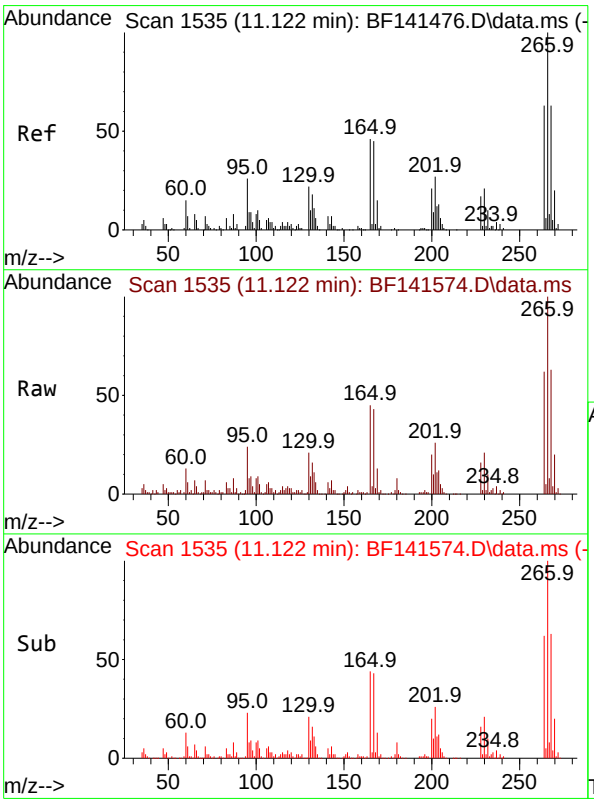

#69
Atrazine
Concen: 60.357 ng
RT: 11.010 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:200 Resp: 123922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.6 | 5.9 | 45.9 |
| 215 | 46.0 | 25.9 | 65.9 |

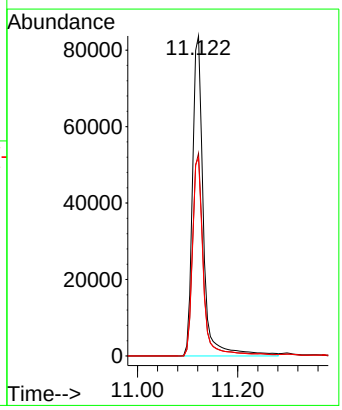


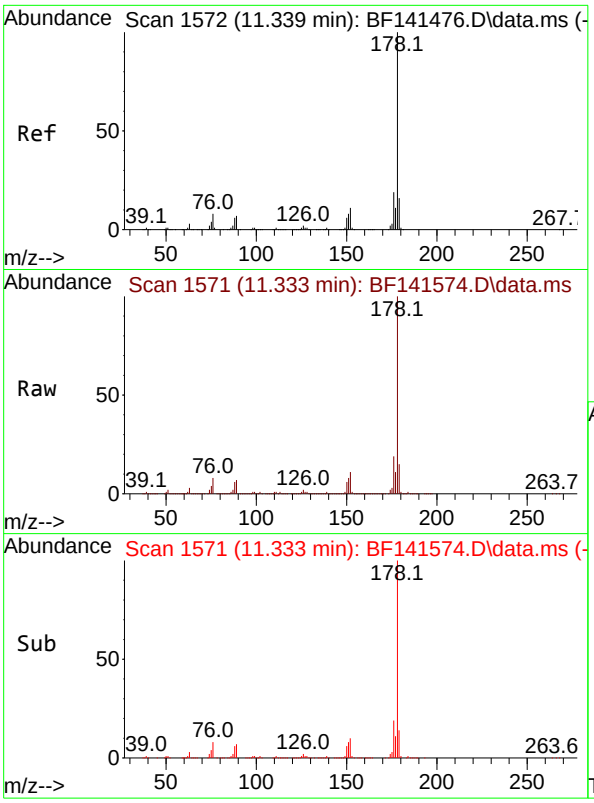




#70
Pentachlorophenol
Concen: 79.942 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:266 Resp: 125770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.3 | 50.1 | 75.1 |
| 264 | 61.9 | 50.1 | 75.1 |



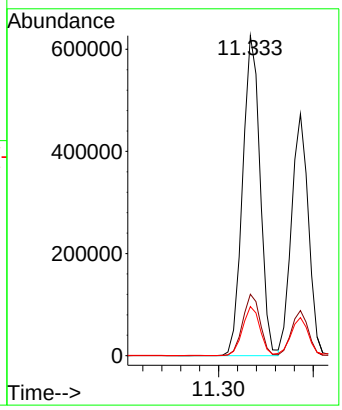


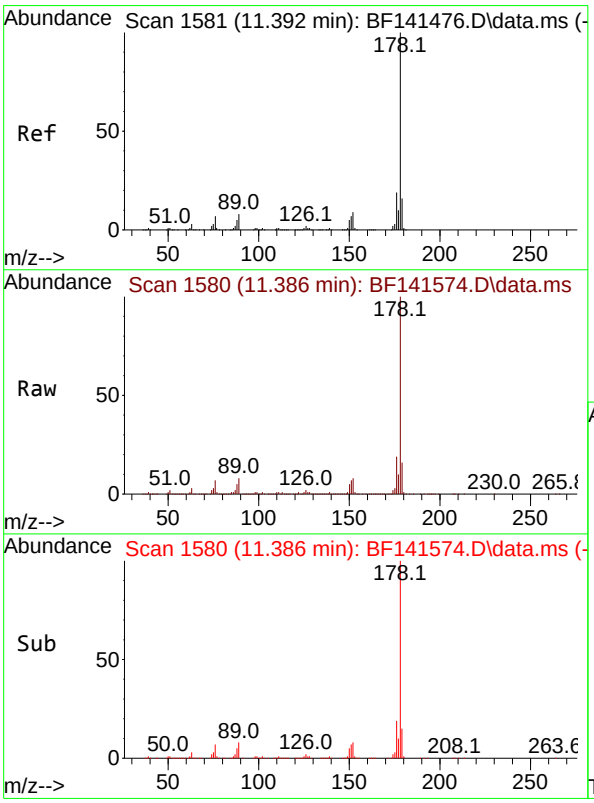

#71
Phenanthrene
Concen: 67.959 ng
RT: 11.333 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:178 Resp: 799767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.4 | 23.0 |
| 179 | 15.3 | 12.4 | 18.6 |

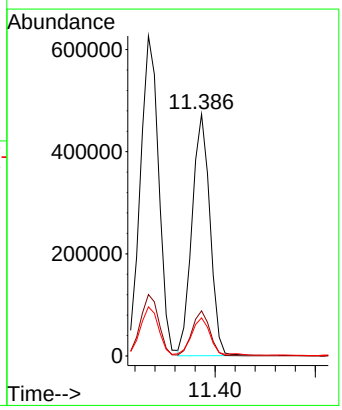


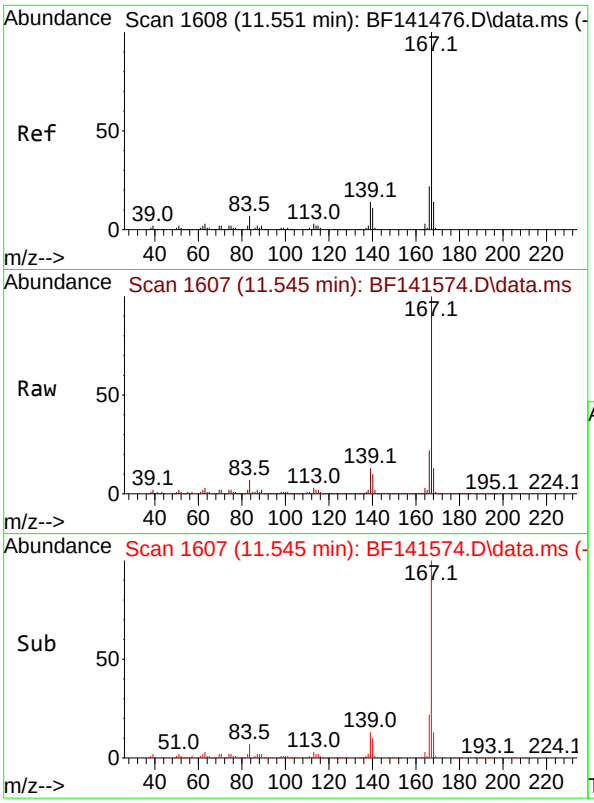




#72
Anthracene
Concen: 49.607 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:178 Resp: 586861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 14.8 | 22.2 |
| 179 | 15.8 | 12.4 | 18.6 |



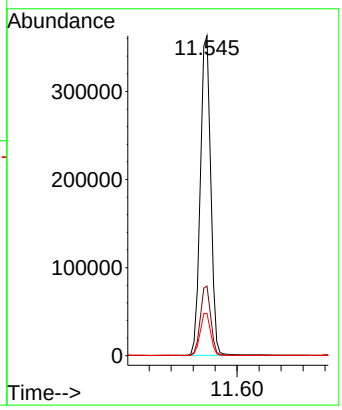


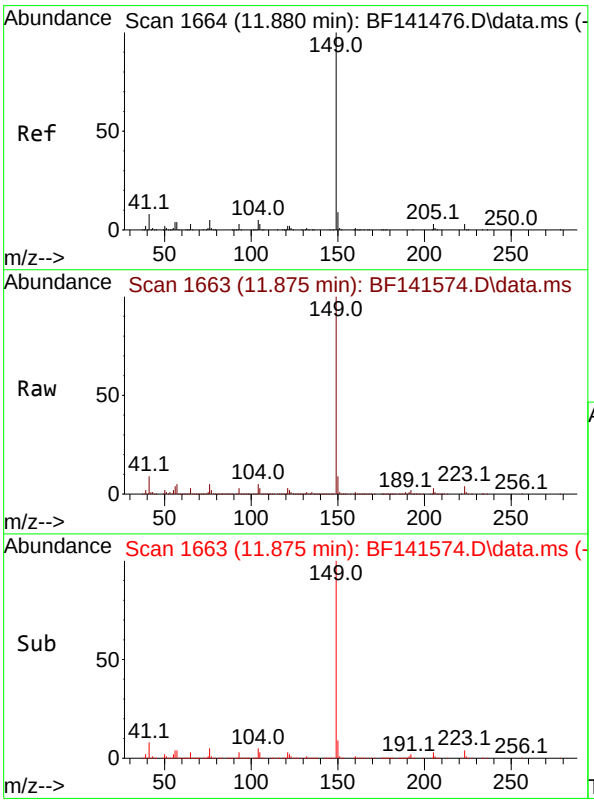

#73
Carbazole
Concen: 44.951 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:167 Resp: 478486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.7 | 17.4 | 26.2 |
| 139 | 13.2 | 10.9 | 16.3 |

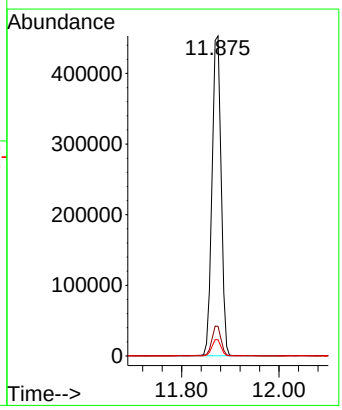


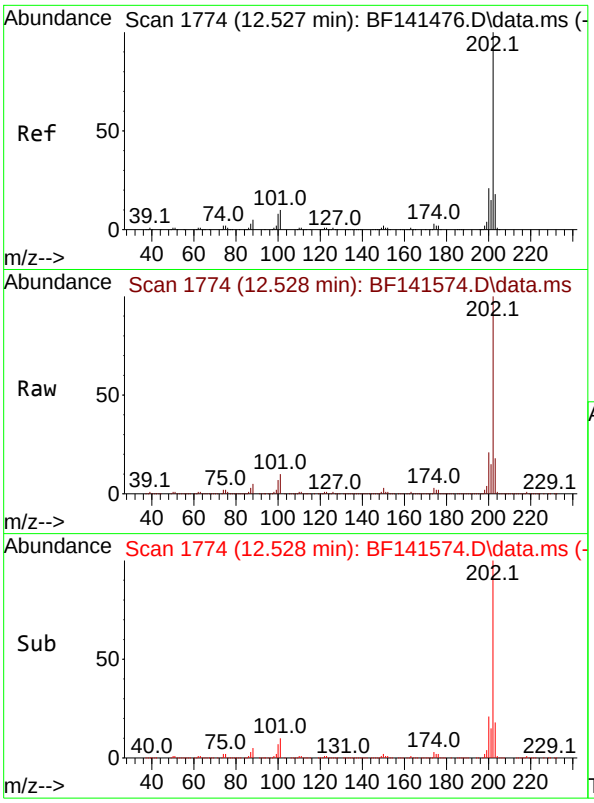




#74
Di-n-butylphthalate
Concen: 47.586 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:149 Resp: 584882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.4 | 11.0 |
| 104 | 5.0 | 4.2 | 6.2 |



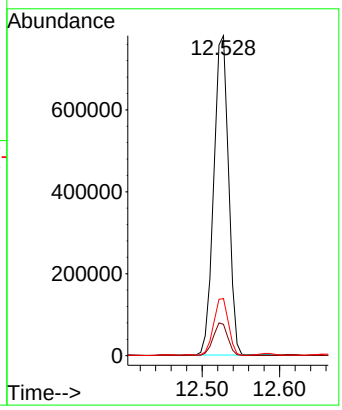


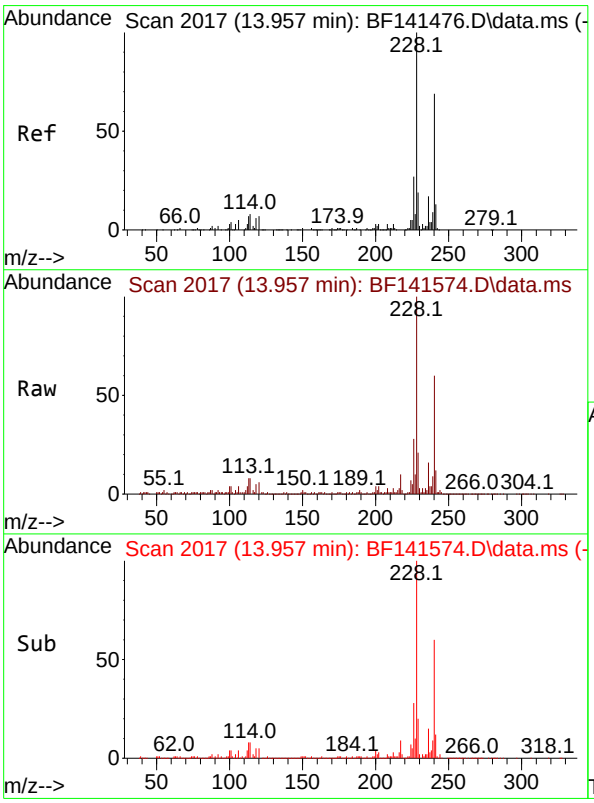

#75
Fluoranthene
Concen: 83.295 ng
RT: 12.528 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:202 Resp: 1039256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.8 | 0.0 | 30.2 |
| 203 | 17.8 | 0.0 | 37.6 |

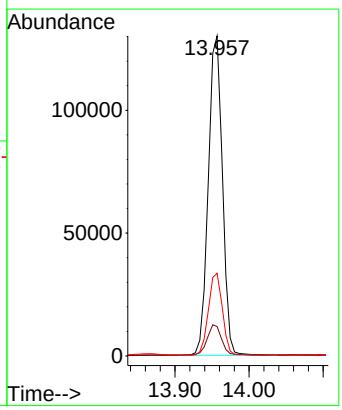


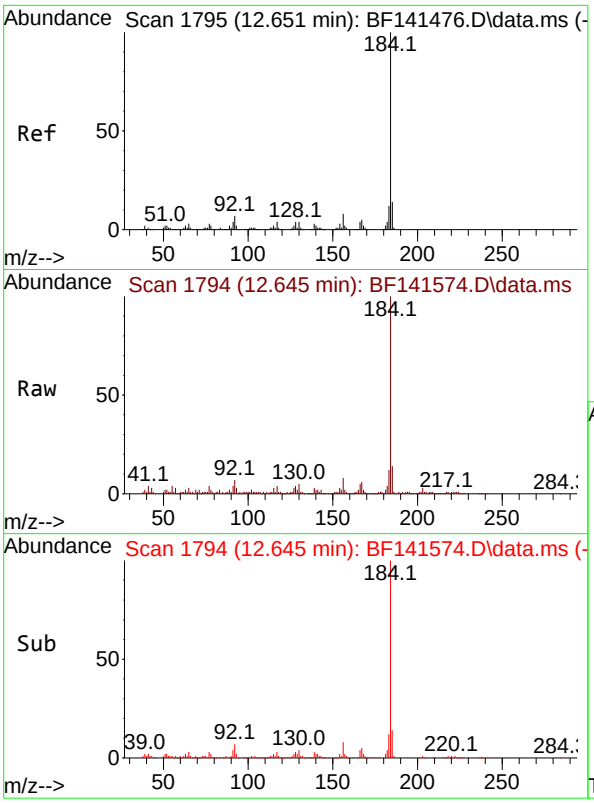




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:240 Resp: 172116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.2 | 8.0 | 12.0 |
| 236 | 25.8 | 19.8 | 29.8 |



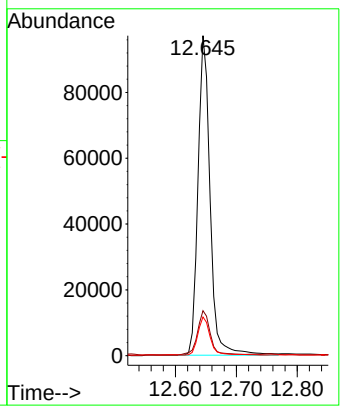


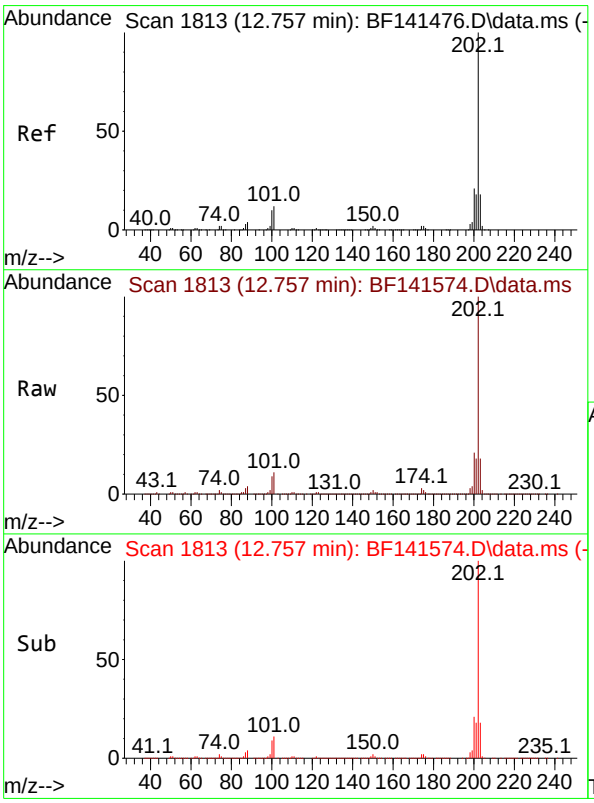

#77
Benzidine
Concen: 35.342 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:184 Resp: 134156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.1 | 11.3 | 16.9 |
| 183 | 12.1 | 9.3 | 13.9 |

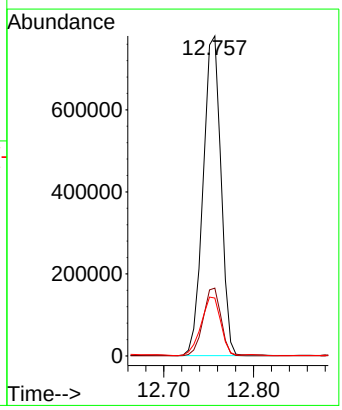


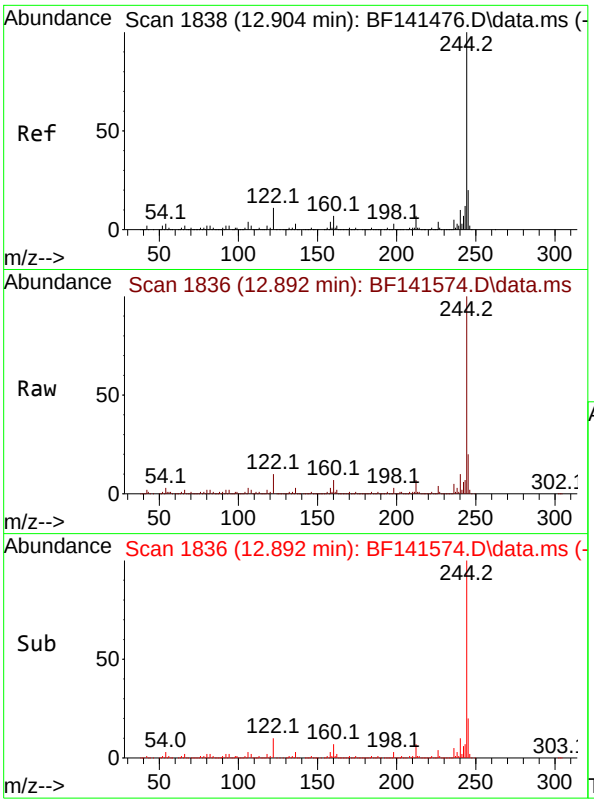




#78
Pyrene
Concen: 73.310 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:202 Resp: 1074122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 17.0 | 25.4 |
| 203 | 18.1 | 14.3 | 21.5 |



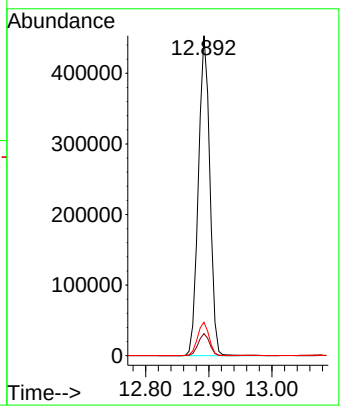


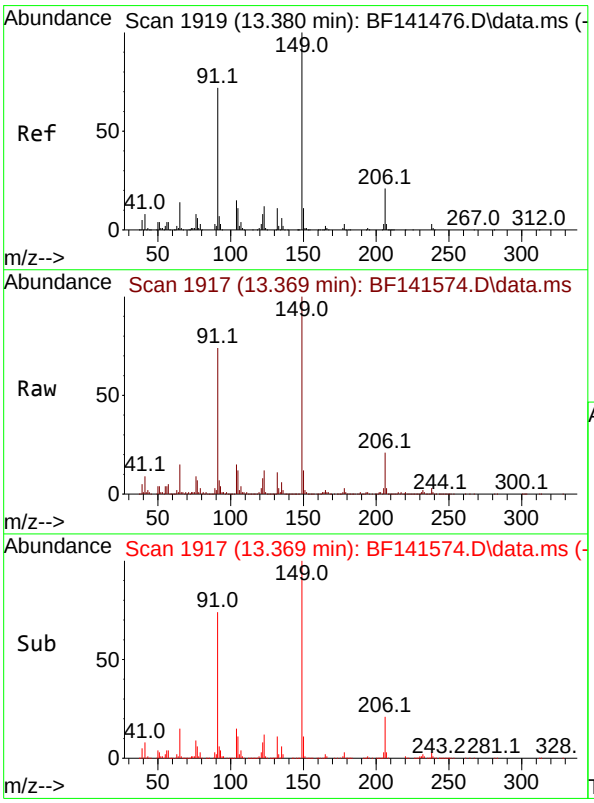

#79
Terphenyl-d14
Concen: 55.971 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:244 Resp: 570645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.6 | 8.4 |
| 122 | 10.4 | 8.4 | 12.6 |

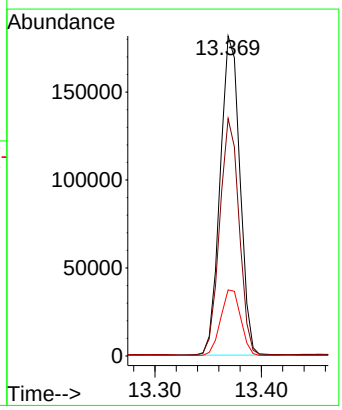


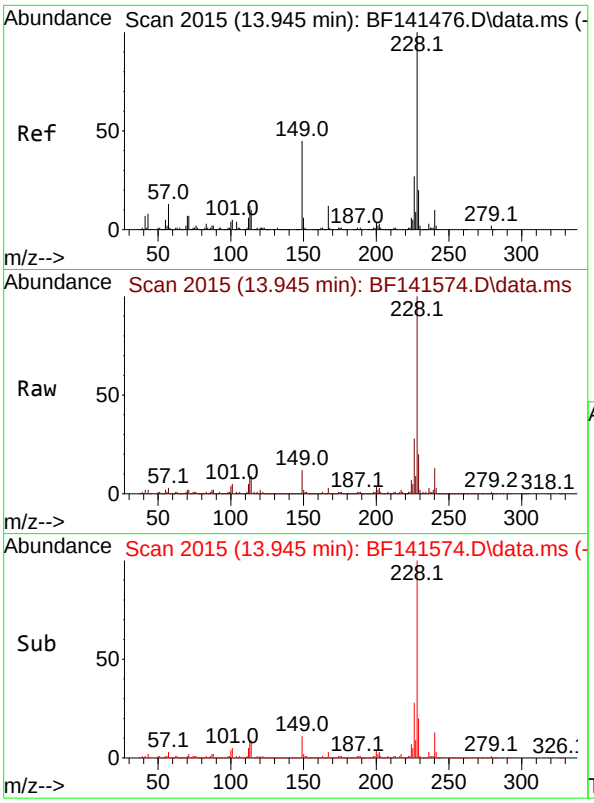




#80
Butylbenzylphthalate
Concen: 45.949 ng
RT: 13.369 min Scan# 1917
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:149 Resp: 233190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 74.2 | 57.8 | 86.8 |
| 206 | 20.7 | 16.7 | 25.1 |



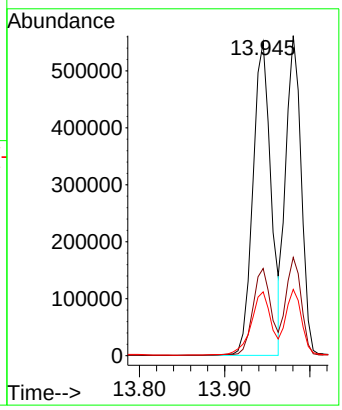


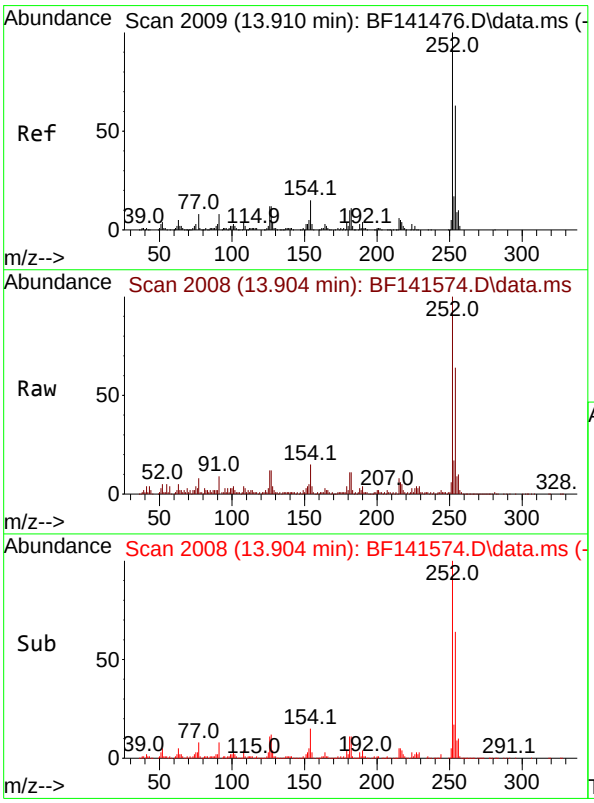

#81
Benzo(a)anthracene
Concen: 71.079 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:228 Resp: 813229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.9 | 21.8 | 32.8 |
| 229 | 20.4 | 15.8 | 23.6 |

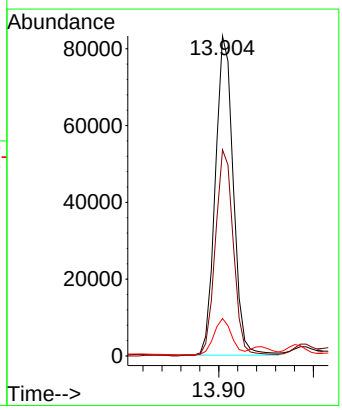


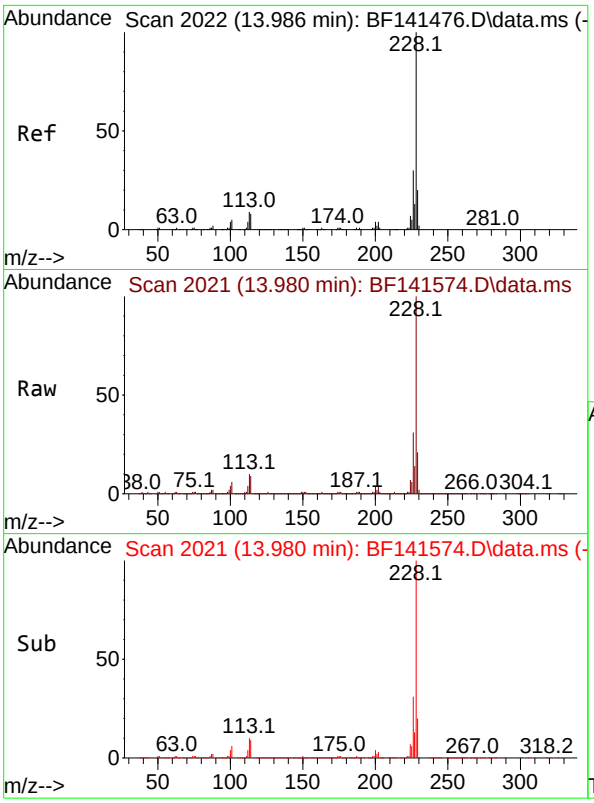




#82
3,3'-Dichlorobenzidine
Concen: 33.418 ng
RT: 13.904 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:252 Resp: 109523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.4 | 50.6 | 76.0 |
| 126 | 11.7 | 9.3 | 13.9 |



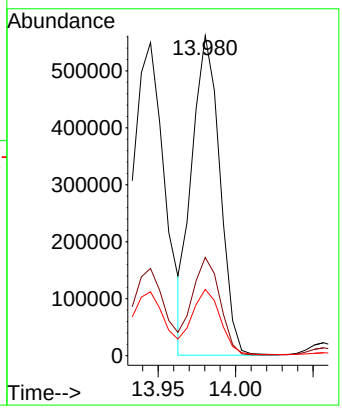


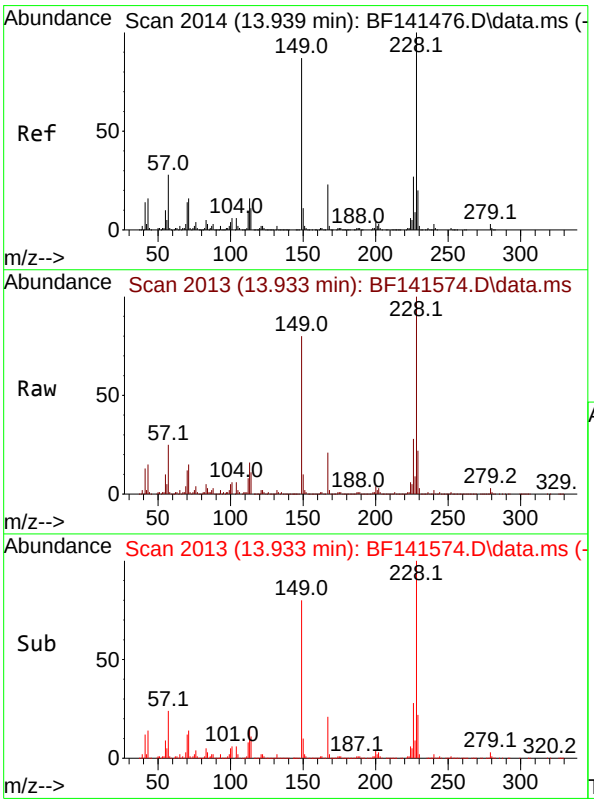

#83
Chrysene
Concen: 66.736 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:228 Resp: 705014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.7 | 24.0 | 36.0 |
| 229 | 20.7 | 15.7 | 23.5 |

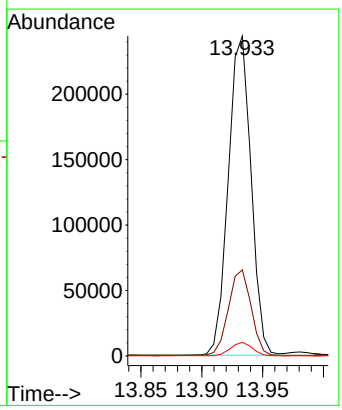


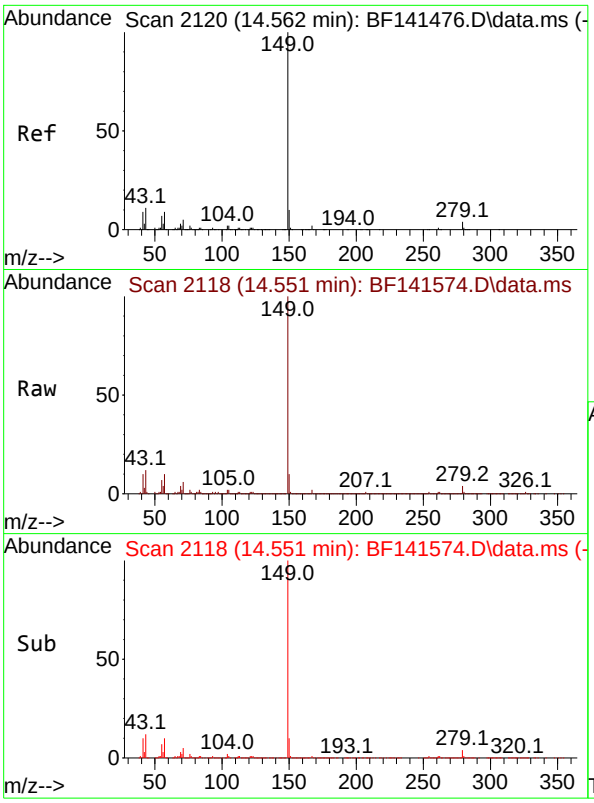




#84
Bis(2-ethylhexyl)phthalate
Concen: 55.348 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:149 Resp: 316795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.9 | 21.4 | 32.0 |
| 279 | 4.3 | 3.1 | 4.7 |



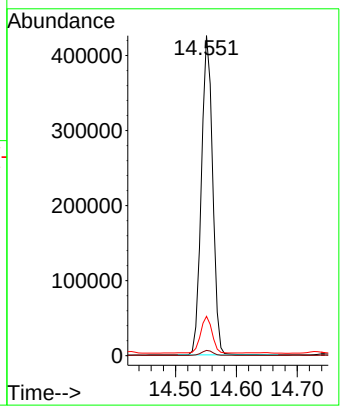


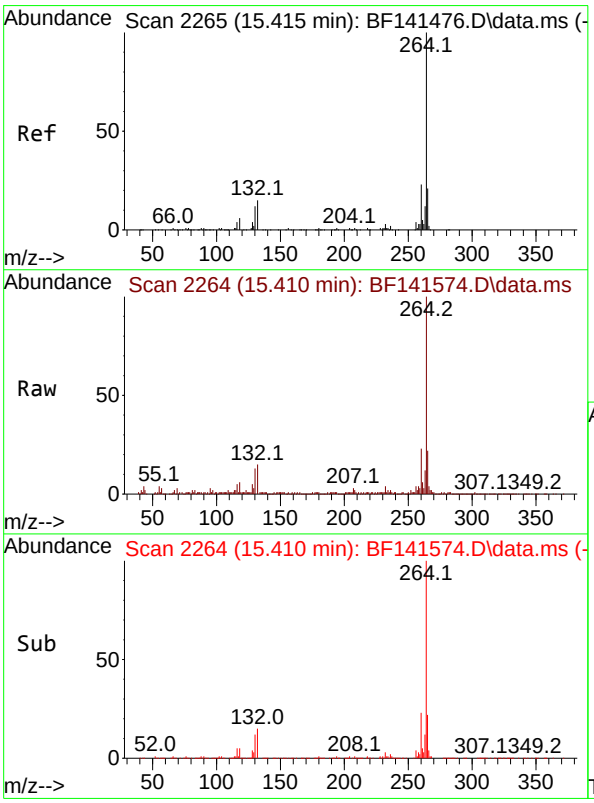

#85
Di-n-octyl phthalate
Concen: 66.944 ng
RT: 14.551 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:149 Resp: 546624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.7 | 1.3 | 1.9 |
| 43 | 11.6 | 9.5 | 14.3 |

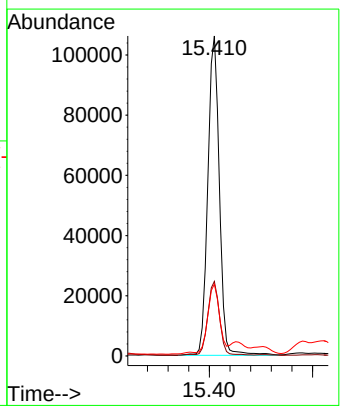


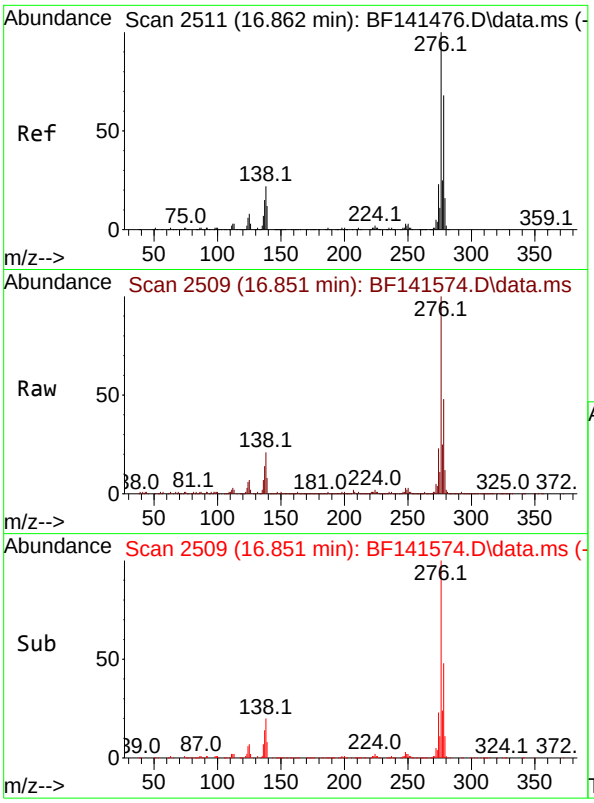




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:264 Resp: 164980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.6 | 28.0 |
| 265 | 22.4 | 17.0 | 25.4 |



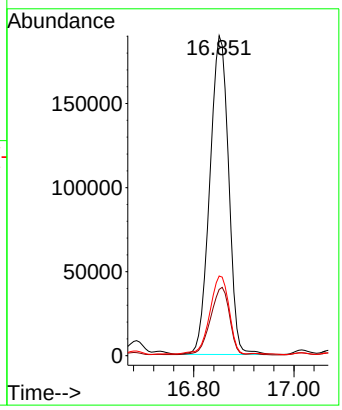


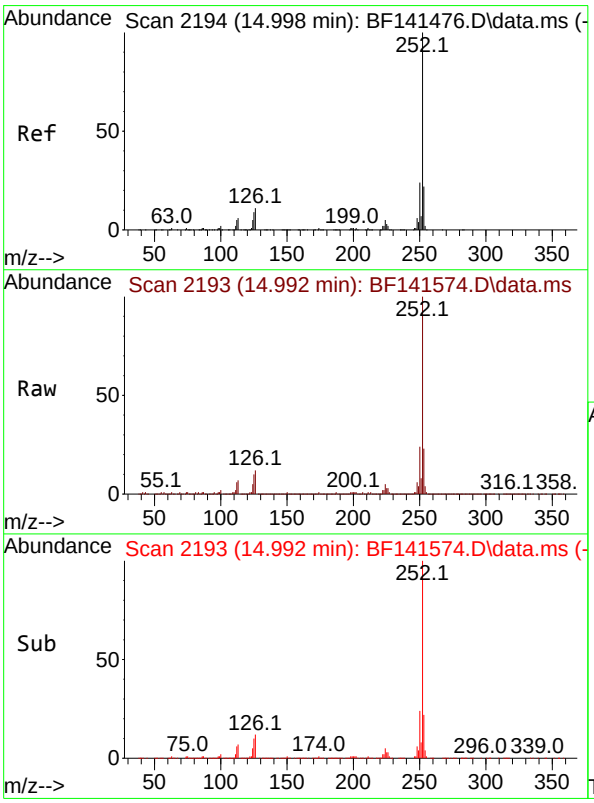

#87
Indeno(1,2,3-cd)pyrene
Concen: 48.291 ng
RT: 16.851 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:276 Resp: 492273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.3 | 18.0 | 27.0 |
| 277 | 24.8 | 20.4 | 30.6 |

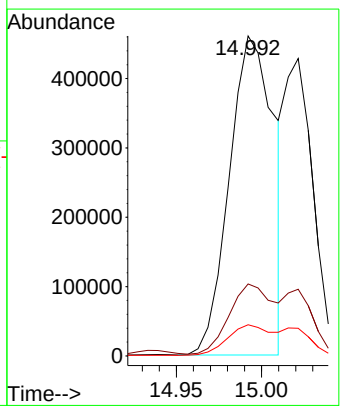


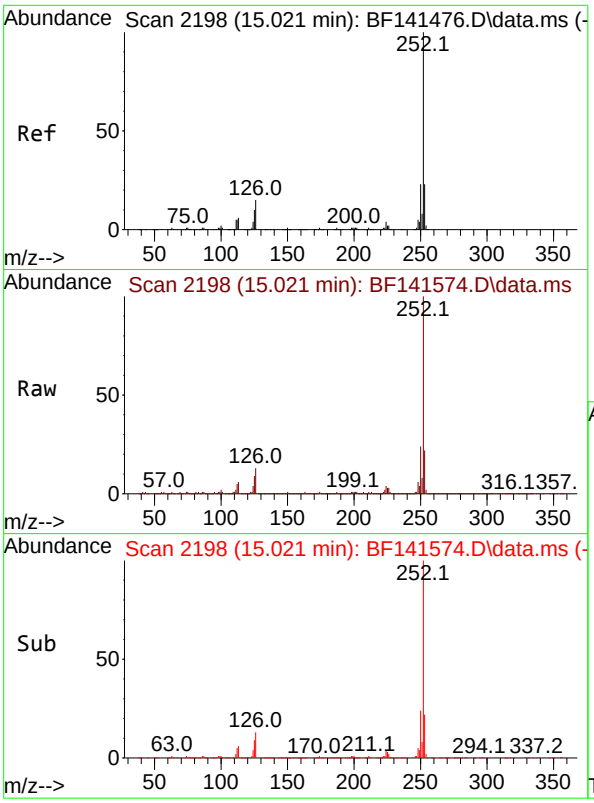




#88
Benzo(b)fluoranthene
Concen: 75.605 ng
RT: 14.992 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:252 Resp: 837524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.5 | 26.3 |
| 125 | 9.8 | 7.0 | 10.6 |



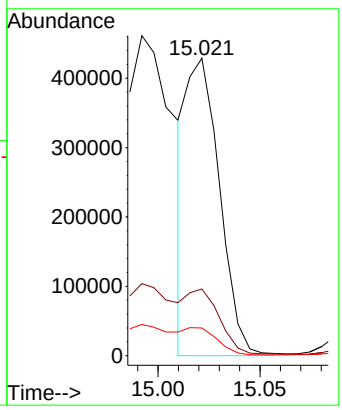


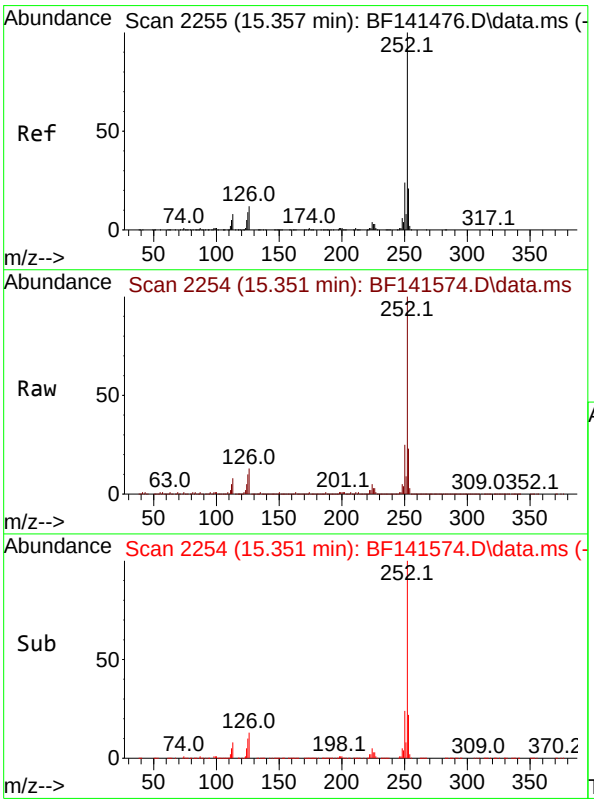

#89
Benzo(k)fluoranthene
Concen: 51.395 ng m
RT: 15.021 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:252 Resp: 486157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 18.0 | 27.0 |
| 125 | 9.3 | 7.4 | 11.0 |

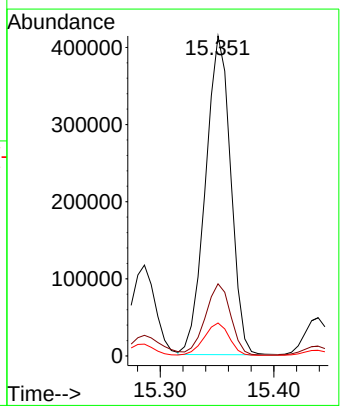


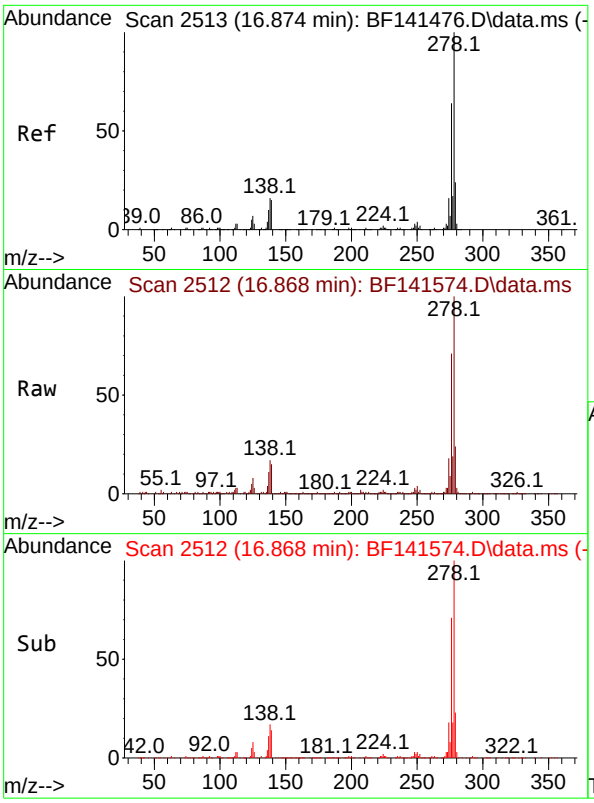




#90
Benzo(a)pyrene
Concen: 71.197 ng
RT: 15.351 min Scan# 2254
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:252 Resp: 638187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 17.1 | 25.7 |
| 125 | 10.3 | 7.4 | 11.2 |



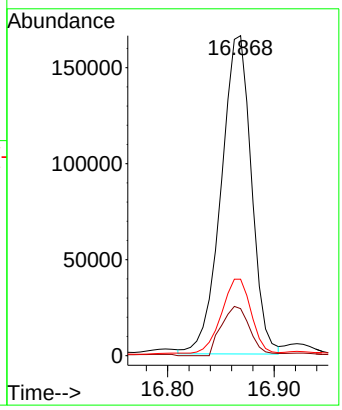


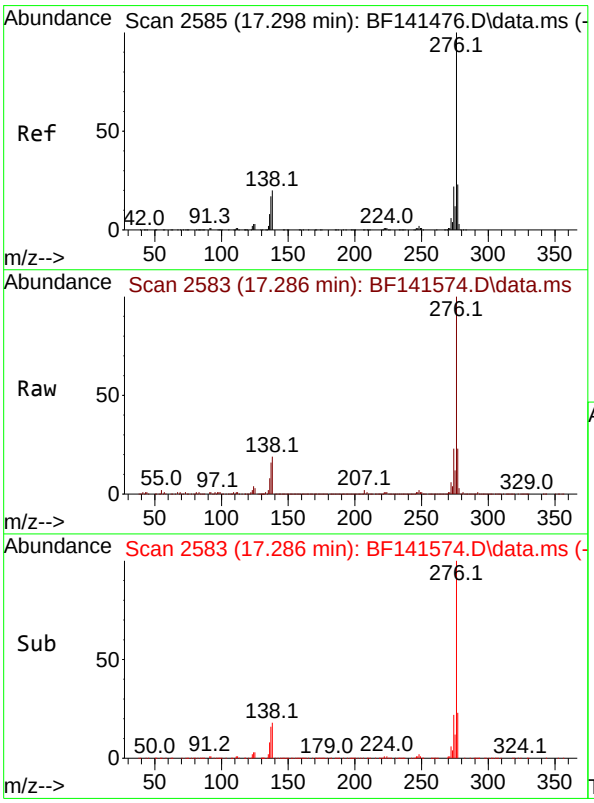

#91
Dibenzo(a,h)anthracene
Concen: 39.677 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

**Instrument :**
BNA_F
**ClientSampleId :**
JPP-29.1-012825MSD

Tgt Ion:278 Resp: 327735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.7 | 11.8 | 17.6 |
| 279 | 23.9 | 19.1 | 28.7 |

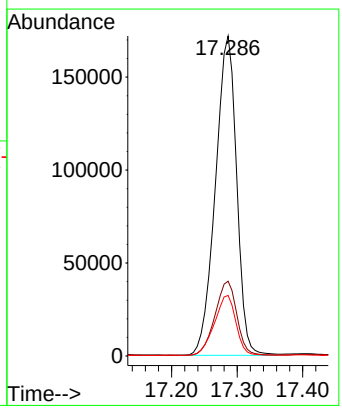



#92
Benzo(g,h,i)perylene
Concen: 44.688 ng
RT: 17.286 min Scan# 2583
Delta R.T. -0.029 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:276 Resp: 386271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.4 | 18.6 | 28.0 |
| 138 | 18.9 | 15.9 | 23.9 |



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# Manual Integration Report

| Sequence: | BF012925 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDICC010 | BF141292.D | 2,4-Dimethylphenol | yogesh | 1/30/2025 7:49:04 AM | mohammad | 2/4/2025 7:21:59 AM | Peak Integrated by Software |
| SSTDICC020 | BF141293.D | 2,4-Dimethylphenol | yogesh | 1/30/2025 7:49:07 AM | mohammad | 2/4/2025 7:21:59 AM | Peak Integrated by Software |
| SSTDICC050 | BF141295.D | 2,4-Dimethylphenol | yogesh | 1/30/2025 7:49:10 AM | mohammad | 2/4/2025 7:21:59 AM | Peak Integrated by Software |
| SSTDICC060 | BF141296.D | 2,4-Dimethylphenol | yogesh | 1/30/2025 7:49:13 AM | mohammad | 2/4/2025 7:21:59 AM | Peak Integrated by Software |
| SSTDICC060 | BF141296.D | Benzoic acid | yogesh | 1/30/2025 7:49:13 AM | mohammad | 2/4/2025 7:21:59 AM | Peak Integrated by Software |
| SSTDICV040 | BF141298.D | 2,4-Dimethylphenol | yogesh | 1/30/2025 7:49:17 AM | mohammad | 2/4/2025 7:21:59 AM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | bf020325 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDCCC040 | BF141361.D | 2,4-Dimethylphenol | Jagrut | 2/4/2025 4:42:01 PM | mohammad | 2/6/2025 8:40:16 AM | Peak Integrated by Software |
| SSTDCCC040 | BF141373.D | 2,4-Dimethylphenol | Jagrut | 2/4/2025 4:42:09 PM | mohammad | 2/6/2025 8:40:16 AM | Peak Integrated by Software |
| Q1216-19 | BF141391.D | Benzo(b)fluoranthene | Jagrut | 2/4/2025 4:42:32 PM | mohammad | 2/6/2025 8:40:16 AM | Peak Integrated by Software |
| Q1216-19 | BF141391.D | Benzo(k)fluoranthene | Jagrut | 2/4/2025 4:42:32 PM | mohammad | 2/6/2025 8:40:16 AM | Peak Integrated by Software |
| Q1216-11 | BF141392.D | Benzo(b)fluoranthene | Jagrut | 2/4/2025 4:42:21 PM | mohammad | 2/6/2025 8:40:16 AM | Peak Integrated by Software |
| Q1216-11 | BF141392.D | Benzo(k)fluoranthene | Jagrut | 2/4/2025 4:42:21 PM | mohammad | 2/6/2025 8:40:16 AM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | bf020425 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDCCC040 | BF141398.D | 2,4-Dimethylphenol | yogesh | 2/5/2025 9:09:09 AM | mohammad | 2/5/2025 9:47:32 AM | Peak Integrated by Software |
| SSTDCCC040 | BF141398.D | n-Nitrosodimethylamine | yogesh | 2/5/2025 9:09:09 AM | mohammad | 2/5/2025 9:47:32 AM | Peak Integrated by Software |
| PB166360BS | BF141405.D | 2,4-Dimethylphenol | yogesh | 2/5/2025 9:09:15 AM | mohammad | 2/5/2025 9:47:32 AM | Peak Integrated by Software |
| PB166360BS | BF141405.D | Acenaphthene | yogesh | 2/5/2025 9:09:15 AM | mohammad | 2/5/2025 9:47:32 AM | Peak Integrated by Software |
| PB166360BS | BF141405.D | Caprolactam | yogesh | 2/5/2025 9:09:15 AM | mohammad | 2/5/2025 9:47:32 AM | Peak Integrated by Software |
| SSTDCCC040 | BF141410.D | 2,4-Dimethylphenol | yogesh | 2/5/2025 9:09:18 AM | mohammad | 2/5/2025 9:47:32 AM | Peak Integrated by Software |
| SSTDCCC040 | BF141410.D | n-Nitrosodimethylamine | yogesh | 2/5/2025 9:09:18 AM | mohammad | 2/5/2025 9:47:32 AM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | bf020625 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDICC010 | BF141474.D | Acenaphthene | Jagrut | 2/7/2025 3:49:22 PM | mohammad | 2/7/2025 10:09:12 PM | Peak Integrated by Software |
| SSTDICC020 | BF141475.D | Acenaphthene | Jagrut | 2/7/2025 3:49:24 PM | mohammad | 2/7/2025 10:09:12 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | bf020725 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDCCC040 | BF141506.D | Acenaphthene | anahy | 2/10/2025 12:38:30 PM |   |   | Peak Integrated by Software |
| Q1216-07 | BF141516.D | Benzo(b)fluoranthene | Rahul | 2/10/2025 12:50:08 PM |   |   | Peak Integrated by Software |
| Q1216-07 | BF141516.D | Benzo(k)fluoranthene | Rahul | 2/10/2025 12:50:08 PM |   |   | Peak Integrated by Software |
| Q1216-03 | BF141517.D | Benzo(b)fluoranthene | Rahul | 2/10/2025 12:50:16 PM |   |   | Peak Integrated by Software |
| Q1216-03 | BF141517.D | Benzo(k)fluoranthene | Rahul | 2/10/2025 12:50:16 PM |   |   | Peak Integrated by Software |
| Q1216-15 | BF141520.D | Benzo(b)fluoranthene | Rahul | 2/10/2025 12:51:43 PM |   |   | Peak Integrated by Software |
| Q1216-15 | BF141520.D | Benzo(k)fluoranthene | Rahul | 2/10/2025 12:51:43 PM |   |   | Peak Integrated by Software |
| Q1216-15 | BF141520.D | Dibenzo(a,h)anthracene | Rahul | 2/10/2025 12:51:43 PM |   |   | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | BF021025 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| Q1216-15DL | BF141548.D | Benzo(b)fluoranthene | anahy | 2/11/2025 12:26:57 PM | Jagrut | 2/11/2025 6:20:37 PM | Peak Integrated by Software |
| Q1216-15DL | BF141548.D | Benzo(k)fluoranthene | anahy | 2/11/2025 12:26:57 PM | Jagrut | 2/11/2025 6:20:37 PM | Peak Integrated by Software |
| Q1216-15DL | BF141548.D | Dibenzo(a,h)anthracene | anahy | 2/11/2025 12:26:57 PM | Jagrut | 2/11/2025 6:20:37 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | BF021125 | Instrument | BNA_f |
|---|---|---|---|

| 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 # BF012925

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 1/31/2025 4:39:47 PM | | | | |
| Supervise By | mohammad | Supervise On | 2/4/2025 7:21:59 AM | | | | |
| SubDirectory | BF012925 | HP Acquire Method | BNA_F | | HP Processing Method | bf012925 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12649,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF141289.D | 29 Jan 2025 10:03 | RC/JU | Ok |
| 2 | SSTDICC2.5 | BF141290.D | 29 Jan 2025 10:30 | RC/JU | Ok |
| 3 | SSTDICC005 | BF141291.D | 29 Jan 2025 10:56 | RC/JU | Ok |
| 4 | SSTDICC010 | BF141292.D | 29 Jan 2025 11:49 | RC/JU | Ok,M |
| 5 | SSTDICC020 | BF141293.D | 29 Jan 2025 15:17 | RC/JU | Ok,M |
| 6 | SSTDICCC040 | BF141294.D | 29 Jan 2025 15:45 | RC/JU | Ok |
| 7 | SSTDICC050 | BF141295.D | 29 Jan 2025 16:11 | RC/JU | Ok,M |
| 8 | SSTDICC060 | BF141296.D | 29 Jan 2025 16:38 | RC/JU | Ok,M |
| 9 | SSTDICC080 | BF141297.D | 29 Jan 2025 17:05 | RC/JU | Ok |
| 10 | SSTDICV040 | BF141298.D | 29 Jan 2025 17:31 | RC/JU | Ok,M |
| 11 | PB166167BL | BF141299.D | 29 Jan 2025 18:24 | RC/JU | Ok |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 2/4/2025 4:42:42 PM | | | | |
| Supervise By | mohammad | Supervise On | 2/6/2025 8:40:16 AM | | | | |
| SubDirectory | BF020325 | HP Acquire Method | BNA_F | | | HP Processing Method | bf012925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12649,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF141360.D | 03 Feb 2025 09:53 | RC/JU | Ok |
| 2 | SSTDCCC040 | BF141361.D | 03 Feb 2025 11:24 | RC/JU | Ok,M |
| 3 | PB166426BL | BF141362.D | 03 Feb 2025 11:51 | RC/JU | Ok |
| 4 | PB166468BS | BF141363.D | 03 Feb 2025 12:18 | RC/JU | Not Ok |
| 5 | PB166468BSD | BF141364.D | 03 Feb 2025 12:44 | RC/JU | Not Ok |
| 6 | PB166468BL | BF141365.D | 03 Feb 2025 13:10 | RC/JU | Not Ok |
| 7 | Q1214-01 | BF141366.D | 03 Feb 2025 13:41 | RC/JU | ReRun |
| 8 | Q1194-08 | BF141367.D | 03 Feb 2025 14:08 | RC/JU | Ok |
| 9 | Q1239-02 | BF141368.D | 03 Feb 2025 14:34 | RC/JU | Ok |
| 10 | Q1239-05 | BF141369.D | 03 Feb 2025 15:00 | RC/JU | Ok |
| 11 | Q1239-08 | BF141370.D | 03 Feb 2025 15:26 | RC/JU | Ok |
| 12 | Q1239-11 | BF141371.D | 03 Feb 2025 15:52 | RC/JU | Ok |
| 13 | DFTPP | BF141372.D | 03 Feb 2025 16:43 | RC/JU | Ok |
| 14 | SSTDCCC040 | BF141373.D | 03 Feb 2025 17:14 | RC/JU | Ok,M |
| 15 | PB166335BL | BF141374.D | 03 Feb 2025 17:41 | RC/JU | Ok |
| 16 | Q1216-12 | BF141375.D | 03 Feb 2025 18:12 | RC/JU | Ok |
| 17 | Q1216-16 | BF141376.D | 03 Feb 2025 18:38 | RC/JU | Ok |
| 18 | Q1216-20 | BF141377.D | 03 Feb 2025 19:04 | RC/JU | Ok |
| 19 | Q1235-04 | BF141378.D | 03 Feb 2025 19:31 | RC/JU | Ok |
| 20 | Q1235-08 | BF141379.D | 03 Feb 2025 19:57 | RC/JU | Ok |
| 21 | Q1232-04 | BF141380.D | 03 Feb 2025 20:24 | RC/JU | Ok |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 2/4/2025 4:42:42 PM | | | | |
| Supervise By | mohammad | Supervise On | 2/6/2025 8:40:16 AM | | | | |
| SubDirectory | BF020325 | HP Acquire Method | BNA_F | | | HP Processing Method | bf012925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12649,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q1232-08 | BF141381.D | 03 Feb 2025 20:51 | RC/JU | Ok |
| 23 | Q1232-12 | BF141382.D | 03 Feb 2025 21:17 | RC/JU | Ok |
| 24 | Q1232-16 | BF141383.D | 03 Feb 2025 21:44 | RC/JU | Ok |
| 25 | Q1232-20 | BF141384.D | 03 Feb 2025 22:11 | RC/JU | Ok |
| 26 | Q1269-01 | BF141385.D | 03 Feb 2025 22:37 | RC/JU | Ok |
| 27 | Q1271-01 | BF141386.D | 03 Feb 2025 23:04 | RC/JU | Ok |
| 28 | Q1271-01MS | BF141387.D | 03 Feb 2025 23:30 | RC/JU | Ok,M |
| 29 | Q1271-01MSD | BF141388.D | 03 Feb 2025 23:56 | RC/JU | Ok,M |
| 30 | Q1262-01 | BF141389.D | 04 Feb 2025 00:23 | RC/JU | Dilution |
| 31 | Q1232-03 | BF141390.D | 04 Feb 2025 00:49 | RC/JU | Dilution |
| 32 | Q1216-19 | BF141391.D | 04 Feb 2025 01:16 | RC/JU | Ok,M |
| 33 | Q1216-11 | BF141392.D | 04 Feb 2025 01:42 | RC/JU | Ok,M |
| 34 | Q1219-01 | BF141393.D | 04 Feb 2025 02:09 | RC/JU | Ok |
| 35 | Q1261-01 | BF141394.D | 04 Feb 2025 02:35 | RC/JU | Ok |
| 36 | Q1218-01 | BF141395.D | 04 Feb 2025 03:01 | RC/JU | Ok |
| 37 | Q1254-01 | BF141396.D | 04 Feb 2025 03:28 | RC/JU | Ok,M |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | yogesh | Review On | 2/5/2025 9:10:01 AM | | | | |
| Supervise By | mohammad | Supervise On | 2/5/2025 9:47:32 AM | | | | |
| SubDirectory | BF020425 | HP Acquire Method | BNA_F | | HP Processing Method | bf012925 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12650,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF141397.D | 04 Feb 2025 10:16 | RC/JU | Ok |
| 2 | SSTDCCC040 | BF141398.D | 04 Feb 2025 10:42 | RC/JU | Ok,M |
| 3 | PB166483BL | BF141399.D | 04 Feb 2025 11:08 | RC/JU | Ok |
| 4 | PB166483BS | BF141400.D | 04 Feb 2025 11:35 | RC/JU | Ok,M |
| 5 | PB166423TB | BF141401.D | 04 Feb 2025 12:02 | RC/JU | Ok |
| 6 | PB166465BS | BF141402.D | 04 Feb 2025 12:28 | RC/JU | Ok,M |
| 7 | PB166465BL | BF141403.D | 04 Feb 2025 12:54 | RC/JU | Ok |
| 8 | PB166360BL | BF141404.D | 04 Feb 2025 13:21 | RC/JU | Ok |
| 9 | PB166360BS | BF141405.D | 04 Feb 2025 13:47 | RC/JU | Ok,M |
| 10 | PB166356TB | BF141406.D | 04 Feb 2025 14:13 | RC/JU | Ok |
| 11 | PB166426BS | BF141407.D | 04 Feb 2025 14:39 | RC/JU | Ok,M |
| 12 | PB166294BL | BF141408.D | 04 Feb 2025 15:06 | RC/JU | Ok |
| 13 | DFTPP | BF141409.D | 04 Feb 2025 15:32 | RC/JU | Ok |
| 14 | SSTDCCC040 | BF141410.D | 04 Feb 2025 15:58 | RC/JU | Ok,M |
| 15 | PB166525BL | BF141411.D | 04 Feb 2025 16:24 | RC/JU | Ok |
| 16 | Q1262-03 | BF141412.D | 04 Feb 2025 16:56 | RC/JU | Ok |
| 17 | Q1239-02MS | BF141413.D | 04 Feb 2025 17:22 | RC/JU | Ok,M |
| 18 | Q1239-02MSD | BF141414.D | 04 Feb 2025 17:49 | RC/JU | Ok,M |
| 19 | Q1241-08 | BF141415.D | 04 Feb 2025 18:15 | RC/JU | Ok |
| 20 | Q1241-12 | BF141416.D | 04 Feb 2025 18:41 | RC/JU | Ok,M |
| 21 | Q1241-16 | BF141417.D | 04 Feb 2025 19:07 | RC/JU | Ok |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 2/5/2025 9:10:01 AM | | |
| Supervise By | mohammad | Supervise On | 2/5/2025 9:47:32 AM | | |
| SubDirectory | BF020425 | HP Acquire Method | BNA_F | HP Processing Method | bf012925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12650,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q1241-20 | BF141418.D | 04 Feb 2025 19:34 | RC/JU | Ok |
| 23 | Q1242-04 | BF141419.D | 04 Feb 2025 20:00 | RC/JU | Ok |
| 24 | Q1241-04 | BF141420.D | 04 Feb 2025 20:26 | RC/JU | Ok |
| 25 | Q1216-08 | BF141421.D | 04 Feb 2025 20:52 | RC/JU | Ok |
| 26 | Q1206-04 | BF141422.D | 04 Feb 2025 21:19 | RC/JU | Ok |
| 27 | Q1206-08 | BF141423.D | 04 Feb 2025 21:45 | RC/JU | Ok |
| 28 | Q1194-03 | BF141424.D | 04 Feb 2025 22:11 | RC/JU | Ok,M |
| 29 | Q1262-01DL | BF141425.D | 04 Feb 2025 22:38 | RC/JU | Ok,M |
| 30 | Q1232-03DL | BF141426.D | 04 Feb 2025 23:04 | RC/JU | Ok,M |
| 31 | Q1280-01 | BF141427.D | 04 Feb 2025 23:30 | RC/JU | Ok,M |
| 32 | Q1280-01MS | BF141428.D | 04 Feb 2025 23:56 | RC/JU | Ok,M |
| 33 | Q1280-01MSD | BF141429.D | 05 Feb 2025 00:22 | RC/JU | Ok,M |
| 34 | Q1276-01 | BF141430.D | 05 Feb 2025 00:48 | RC/JU | Ok,M |
| 35 | Q1277-02 | BF141431.D | 05 Feb 2025 01:15 | RC/JU | Ok |
| 36 | Q1281-01 | BF141432.D | 05 Feb 2025 01:41 | RC/JU | Ok,M |
| 37 | Q1241-07 | BF141433.D | 05 Feb 2025 02:07 | RC/JU | Ok,M |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 2/7/2025 3:49:55 PM | | | | |
| Supervise By | mohammad | Supervise On | 2/7/2025 10:09:12 PM | | | | |
| SubDirectory | BF020625 | HP Acquire Method | BNA_F | | | HP Processing Method | bf020625 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12650,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF141471.D | 06 Feb 2025 10:41 | RC/JU | Ok |
| 2 | SSTDICC2.5 | BF141472.D | 06 Feb 2025 11:07 | RC/JU | Ok |
| 3 | SSTDICC005 | BF141473.D | 06 Feb 2025 11:34 | RC/JU | Ok |
| 4 | SSTDICC010 | BF141474.D | 06 Feb 2025 12:00 | RC/JU | Ok,M |
| 5 | SSTDICC020 | BF141475.D | 06 Feb 2025 12:26 | RC/JU | Ok,M |
| 6 | SSTDICCC040 | BF141476.D | 06 Feb 2025 12:55 | RC/JU | Ok |
| 7 | SSTDICC050 | BF141477.D | 06 Feb 2025 13:21 | RC/JU | Ok |
| 8 | SSTDICC060 | BF141478.D | 06 Feb 2025 13:47 | RC/JU | Ok |
| 9 | SSTDICC080 | BF141479.D | 06 Feb 2025 14:14 | RC/JU | Ok |
| 10 | SSTDICV040 | BF141480.D | 06 Feb 2025 15:03 | RC/JU | Ok |
| 11 | PB166563BL | BF141481.D | 06 Feb 2025 15:43 | RC/JU | Ok |
| 12 | PB166468BS | BF141482.D | 06 Feb 2025 16:09 | RC/JU | Ok,M |
| 13 | PB166468BSD | BF141483.D | 06 Feb 2025 16:36 | RC/JU | Ok,M |
| 14 | PB166468BL | BF141484.D | 06 Feb 2025 17:02 | RC/JU | Ok |
| 15 | Q1214-01RE | BF141485.D | 06 Feb 2025 17:34 | RC/JU | Confirms |
| 16 | Q1309-01 | BF141486.D | 06 Feb 2025 18:00 | RC/JU | Ok |
| 17 | Q1309-05 | BF141487.D | 06 Feb 2025 18:27 | RC/JU | Ok |
| 18 | Q1309-09 | BF141488.D | 06 Feb 2025 18:53 | RC/JU | Ok |
| 19 | Q1309-13 | BF141489.D | 06 Feb 2025 19:19 | RC/JU | Ok |
| 20 | Q1309-13MS | BF141490.D | 06 Feb 2025 19:45 | RC/JU | Ok,M |
| 21 | Q1309-13MSD | BF141491.D | 06 Feb 2025 20:11 | RC/JU | Ok,M |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

| | | | | | |
|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 2/7/2025 3:49:55 PM | | |
| Supervise By | mohammad | Supervise On | 2/7/2025 10:09:12 PM | | |
| SubDirectory | BF020625 | HP Acquire Method | BNA_F | HP Processing Method | bf020625 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12650,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q1309-17 | BF141492.D | 06 Feb 2025 20:37 | RC/JU | Ok |
| 23 | Q1309-21 | BF141493.D | 06 Feb 2025 21:03 | RC/JU | Ok |
| 24 | Q1216-04 | BF141494.D | 06 Feb 2025 21:30 | RC/JU | Ok |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF020725

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Rahul | Review On | 2/11/2025 4:20:20 PM | | | | |
| Supervise By | | Supervise On | | | | | |
| SubDirectory | BF020725 | HP Acquire Method | BNA_F | | | HP Processing Method | bf020625 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12650,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF141495.D | 07 Feb 2025 09:28 | RC/JU | Ok |
| 2 | SSTDCCC040 | BF141496.D | 07 Feb 2025 09:55 | RC/JU | Ok |
| 3 | PB166588BL | BF141497.D | 07 Feb 2025 10:21 | RC/JU | Ok |
| 4 | PB166588BS | BF141498.D | 07 Feb 2025 10:47 | RC/JU | Ok,NS |
| 5 | PB166567BL | BF141499.D | 07 Feb 2025 11:13 | RC/JU | Ok |
| 6 | PB166563BS | BF141500.D | 07 Feb 2025 11:40 | RC/JU | Ok,NS |
| 7 | PB166567BS | BF141501.D | 07 Feb 2025 12:06 | RC/JU | Ok,NS |
| 8 | PB166567BSD | BF141502.D | 07 Feb 2025 12:32 | RC/JU | Ok,NS |
| 9 | PB166580BL | BF141503.D | 07 Feb 2025 12:58 | RC/JU | Ok |
| 10 | PB166580BS | BF141504.D | 07 Feb 2025 13:25 | RC/JU | Ok,NS |
| 11 | DFTPP | BF141505.D | 07 Feb 2025 14:07 | RC/JU | Ok |
| 12 | SSTDCCC040 | BF141506.D | 07 Feb 2025 14:33 | RC/JU | Ok,NS |
| 13 | PB166528TB | BF141507.D | 07 Feb 2025 15:00 | RC/JU | Ok |
| 14 | Q1285-02 | BF141508.D | 07 Feb 2025 15:31 | RC/JU | Ok |
| 15 | Q1304-01 | BF141509.D | 07 Feb 2025 15:58 | RC/JU | Ok |
| 16 | Q1299-01 | BF141510.D | 07 Feb 2025 16:24 | RC/JU | Ok |
| 17 | Q1299-05 | BF141511.D | 07 Feb 2025 16:50 | RC/JU | Ok,NS |
| 18 | Q1288-01 | BF141512.D | 07 Feb 2025 17:16 | RC/JU | Dilution |
| 19 | Q1288-01MS | BF141513.D | 07 Feb 2025 17:43 | RC/JU | Ok,NS |
| 20 | Q1288-01MSD | BF141514.D | 07 Feb 2025 18:09 | RC/JU | Ok,NS |
| 21 | Q1215-07 | BF141515.D | 07 Feb 2025 18:35 | RC/JU | Dilution |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF020725

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 2/11/2025 4:20:20 PM | | |
| Supervise By | | Supervise On | | | |
| SubDirectory | BF020725 | HP Acquire Method | BNA_F | HP Processing Method | bf020625 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12650,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q1216-07 | BF141516.D | 07 Feb 2025 19:02 | RC/JU | Ok,NS |
| 23 | Q1216-03 | BF141517.D | 07 Feb 2025 19:28 | RC/JU | Ok,NS |
| 24 | Q1241-03 | BF141518.D | 07 Feb 2025 19:54 | RC/JU | Dilution |
| 25 | Q1232-15 | BF141519.D | 07 Feb 2025 20:21 | RC/JU | Dilution |
| 26 | Q1216-15 | BF141520.D | 07 Feb 2025 20:47 | RC/JU | Dilution |
| 27 | Q1241-11 | BF141521.D | 07 Feb 2025 21:13 | RC/JU | Ok,NS |
| 28 | Q1235-07 | BF141522.D | 07 Feb 2025 21:40 | RC/JU | Ok,NS |
| 29 | Q1232-07 | BF141523.D | 07 Feb 2025 22:07 | RC/JU | Ok,NS |
| 30 | Q1241-19 | BF141524.D | 07 Feb 2025 22:33 | RC/JU | Ok,NS |
| 31 | Q1241-15 | BF141525.D | 07 Feb 2025 23:00 | RC/JU | Dilution |
| 32 | Q1242-03 | BF141526.D | 07 Feb 2025 23:27 | RC/JU | Ok,NS |
| 33 | Q1232-11 | BF141527.D | 07 Feb 2025 23:53 | RC/JU | Ok,NS |
| 34 | Q1232-19 | BF141528.D | 08 Feb 2025 00:20 | RC/JU | Ok,NS |
| 35 | Q1235-03 | BF141529.D | 08 Feb 2025 00:47 | RC/JU | Ok,NS |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF021025

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Rahul | Review On | 2/11/2025 4:19:14 PM | | | | |
| Supervise By | Jagrut | Supervise On | 2/11/2025 6:20:58 PM | | | | |
| SubDirectory | BF021025 | HP Acquire Method | BNA_F | | HP Processing Method | bf020625 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12651,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF141530.D | 10 Feb 2025 11:08 | RC/JU | Ok |
| 2 | SSTDCCC040 | BF141531.D | 10 Feb 2025 11:34 | RC/JU | Ok |
| 3 | PB166610BL | BF141532.D | 10 Feb 2025 12:00 | RC/JU | Ok |
| 4 | PB166619BS | BF141533.D | 10 Feb 2025 12:26 | RC/JU | Ok,M |
| 5 | PB166619BSD | BF141534.D | 10 Feb 2025 14:50 | RC/JU | Ok,M |
| 6 | PB166619BL | BF141535.D | 10 Feb 2025 15:17 | RC/JU | Ok |
| 7 | Q1322-01 | BF141536.D | 10 Feb 2025 15:57 | RC/JU | Ok |
| 8 | Q1299-04 | BF141537.D | 10 Feb 2025 16:23 | RC/JU | Ok |
| 9 | Q1299-04MS | BF141538.D | 10 Feb 2025 16:49 | RC/JU | Ok,M |
| 10 | Q1299-04MSD | BF141539.D | 10 Feb 2025 17:16 | RC/JU | Ok,M |
| 11 | Q1299-08 | BF141540.D | 10 Feb 2025 17:42 | RC/JU | Ok |
| 12 | Q1309-04 | BF141541.D | 10 Feb 2025 18:08 | RC/JU | Ok |
| 13 | Q1344-01 | BF141542.D | 10 Feb 2025 18:34 | RC/JU | Ok |
| 14 | Q1344-03 | BF141543.D | 10 Feb 2025 19:01 | RC/JU | Ok |
| 15 | Q1288-01DL | BF141544.D | 10 Feb 2025 19:27 | RC/JU | Ok,M |
| 16 | Q1215-07DL | BF141545.D | 10 Feb 2025 19:53 | RC/JU | Ok,M |
| 17 | Q1241-03DL | BF141546.D | 10 Feb 2025 20:19 | RC/JU | Ok,M |
| 18 | Q1232-15DL | BF141547.D | 10 Feb 2025 20:45 | RC/JU | Ok,M |
| 19 | Q1216-15DL | BF141548.D | 10 Feb 2025 21:12 | RC/JU | Ok,M |
| 20 | Q1241-15DL | BF141549.D | 10 Feb 2025 21:38 | RC/JU | Ok,M |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF021125

| | | | | | |
|---|---|---|---|---|---|
| Review By | | Review On | | | |
| Supervise By | | Supervise On | | | |
| SubDirectory | BF021125 | HP Acquire Method | BNA_F | HP Processing Method | bf020625 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12651,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF141550.D | 11 Feb 2025 10:02 | RC/JU | Ok |
| 2 | SSTDCCC040 | BF141551.D | 11 Feb 2025 10:28 | RC/JU | Ok |
| 3 | PB166640BL | BF141552.D | 11 Feb 2025 10:55 | RC/JU | Ok |
| 4 | PB166640BS | BF141553.D | 11 Feb 2025 11:21 | RC/JU | Ok,NS |
| 5 | PB166641BL | BF141554.D | 11 Feb 2025 11:47 | RC/JU | Ok |
| 6 | PB166641BS | BF141555.D | 11 Feb 2025 12:13 | RC/JU | Ok,NS |
| 7 | PB166641BSD | BF141556.D | 11 Feb 2025 12:39 | RC/JU | Ok,NS |
| 8 | PB166591TB | BF141557.D | 11 Feb 2025 13:05 | RC/JU | Ok |
| 9 | PB166610BS | BF141558.D | 11 Feb 2025 13:32 | RC/JU | Ok,NS |
| 10 | Q1309-20 | BF141559.D | 11 Feb 2025 14:04 | RC/JU | Ok |
| 11 | Q1309-24 | BF141560.D | 11 Feb 2025 14:30 | RC/JU | ReRun |
| 12 | Q1309-08 | BF141561.D | 11 Feb 2025 14:56 | RC/JU | Ok |
| 13 | Q1309-16 | BF141562.D | 11 Feb 2025 15:23 | RC/JU | Ok |
| 14 | Q1309-12 | BF141563.D | 11 Feb 2025 15:49 | RC/JU | Ok |
| 15 | Q1343-17 | BF141564.D | 11 Feb 2025 16:15 | RC/JU | Ok |
| 16 | Q1340-01 | BF141565.D | 11 Feb 2025 16:42 | RC/JU | Ok |
| 17 | Q1343-01 | BF141566.D | 11 Feb 2025 17:08 | RC/JU | Ok,NS |
| 18 | Q1206-03DL | BF141567.D | 11 Feb 2025 17:35 | RC/JU | Ok,NS |
| 19 | Q1285-01DL | BF141568.D | 11 Feb 2025 18:01 | RC/JU | Ok,NR |
| 20 | Q1346-01 | BF141569.D | 11 Feb 2025 18:27 | RC/JU | Ok,NR |
| 21 | Q1346-01MS | BF141570.D | 11 Feb 2025 18:53 | RC/JU | Ok,NR |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF021125

| | | | | | |
|---|---|---|---|---|---|
| Review By | | Review On | | | |
| Supervise By | | Supervise On | | | |
| SubDirectory | BF021125 | HP Acquire Method | BNA_F | HP Processing Method | bf020625 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12651,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q1346-01MSD | BF141571.D | 11 Feb 2025 19:19 | RC/JU | Ok,NR |
| 23 | Q1215-03 | BF141572.D | 11 Feb 2025 19:45 | RC/JU | Ok,NR |
| 24 | Q1215-03MS | BF141573.D | 11 Feb 2025 20:11 | RC/JU | Ok,NR |
| 25 | Q1215-03MSD | BF141574.D | 11 Feb 2025 20:38 | RC/JU | Ok,NR |
| 26 | Q1345-01 | BF141575.D | 11 Feb 2025 21:04 | RC/JU | Ok,NR |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF012925

| | | | | | |
|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 1/31/2025 4:39:47 PM | | |
| Supervise By | mohammad | Supervise On | 2/4/2025 7:21:59 AM | | |
| SubDirectory | BF012925 | HP Acquire Method | BNA_F | HP Processing Method | bf012925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12649,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF141289.D | 29 Jan 2025 10:03 | | RC/JU | Ok |
| 2 | SSTDICC2.5 | SSTDICC2.5 | BF141290.D | 29 Jan 2025 10:30 | | RC/JU | Ok |
| 3 | SSTDICC005 | SSTDICC005 | BF141291.D | 29 Jan 2025 10:56 | Compound #54 is removed from 5ppm | RC/JU | Ok |
| 4 | SSTDICC010 | SSTDICC010 | BF141292.D | 29 Jan 2025 11:49 | | RC/JU | Ok,M |
| 5 | SSTDICC020 | SSTDICC020 | BF141293.D | 29 Jan 2025 15:17 | The Calibration is fail for compound #77 | RC/JU | Ok,M |
| 6 | SSTDICCC040 | SSTDICCC040 | BF141294.D | 29 Jan 2025 15:45 | The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method Except com#77 | RC/JU | Ok |
| 7 | SSTDICC050 | SSTDICC050 | BF141295.D | 29 Jan 2025 16:11 | | RC/JU | Ok,M |
| 8 | SSTDICC060 | SSTDICC060 | BF141296.D | 29 Jan 2025 16:38 | | RC/JU | Ok,M |
| 9 | SSTDICC080 | SSTDICC080 | BF141297.D | 29 Jan 2025 17:05 | | RC/JU | Ok |
| 10 | SSTDICV040 | ICVBF012925 | BF141298.D | 29 Jan 2025 17:31 | | RC/JU | Ok,M |
| 11 | PB166167BL | PB166167BL | BF141299.D | 29 Jan 2025 18:24 | | RC/JU | Ok |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 2/4/2025 4:42:42 PM | | | | |
| Supervise By | mohammad | Supervise On | 2/6/2025 8:40:16 AM | | | | |
| SubDirectory | BF020325 | HP Acquire Method | BNA_F | HP Processing Method | bf012925 | | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12649,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF141360.D | 03 Feb 2025 09:53 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BF141361.D | 03 Feb 2025 11:24 | | RC/JU | Ok,M |
| 3 | PB166426BL | PB166426BL | BF141362.D | 03 Feb 2025 11:51 | | RC/JU | Ok |
| 4 | PB166468BS | PB166468BS | BF141363.D | 03 Feb 2025 12:18 | Com#77(Benzidine) Failed in the calibration | RC/JU | Not Ok |
| 5 | PB166468BSD | PB166468BSD | BF141364.D | 03 Feb 2025 12:44 | Com#77(Benzidine) Failed in the calibration | RC/JU | Not Ok |
| 6 | PB166468BL | PB166468BL | BF141365.D | 03 Feb 2025 13:10 | Com#77(Benzidine) Failed in the calibration | RC/JU | Not Ok |
| 7 | Q1214-01 | PARAMUS-CONDENS/ | BF141366.D | 03 Feb 2025 13:41 | Surrogate Fail,Com#77(Benzidine) Failed in the calibration | RC/JU | ReRun |
| 8 | Q1194-08 | EB | BF141367.D | 03 Feb 2025 14:08 | | RC/JU | Ok |
| 9 | Q1239-02 | 286 | BF141368.D | 03 Feb 2025 14:34 | | RC/JU | Ok |
| 10 | Q1239-05 | 348 | BF141369.D | 03 Feb 2025 15:00 | | RC/JU | Ok |
| 11 | Q1239-08 | RBR22266 | BF141370.D | 03 Feb 2025 15:26 | | RC/JU | Ok |
| 12 | Q1239-11 | 357 | BF141371.D | 03 Feb 2025 15:52 | | RC/JU | Ok |
| 13 | DFTPP | DFTPP | BF141372.D | 03 Feb 2025 16:43 | | RC/JU | Ok |
| 14 | SSTDCCC040 | SSTDCCC040 | BF141373.D | 03 Feb 2025 17:14 | | RC/JU | Ok,M |
| 15 | PB166335BL | PB166335BL | BF141374.D | 03 Feb 2025 17:41 | | RC/JU | Ok |
| 16 | Q1216-12 | JPP-21.2-012825 | BF141375.D | 03 Feb 2025 18:12 | | RC/JU | Ok |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

| | | | | | |
|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 2/4/2025 4:42:42 PM | | |
| Supervise By | mohammad | Supervise On | 2/6/2025 8:40:16 AM | | |
| SubDirectory | BF020325 | HP Acquire Method | BNA_F | HP Processing Method | bf012925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12649,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 17 | Q1216-16 | JPP-26.1-012825 | BF141376.D | 03 Feb 2025 18:38 | | RC/JU | Ok |
| 18 | Q1216-20 | JPP-26.2-012825 | BF141377.D | 03 Feb 2025 19:04 | | RC/JU | Ok |
| 19 | Q1235-04 | JPP-51.2-012925 | BF141378.D | 03 Feb 2025 19:31 | | RC/JU | Ok |
| 20 | Q1235-08 | JPP-16.1-012925 | BF141379.D | 03 Feb 2025 19:57 | | RC/JU | Ok |
| 21 | Q1232-04 | JPP-46.2-012925 | BF141380.D | 03 Feb 2025 20:24 | | RC/JU | Ok |
| 22 | Q1232-08 | JPP-46.1-012925 | BF141381.D | 03 Feb 2025 20:51 | | RC/JU | Ok |
| 23 | Q1232-12 | JPP-42.1-012925 | BF141382.D | 03 Feb 2025 21:17 | | RC/JU | Ok |
| 24 | Q1232-16 | JPP-42.2-012925 | BF141383.D | 03 Feb 2025 21:44 | | RC/JU | Ok |
| 25 | Q1232-20 | JPP-51.1-012925 | BF141384.D | 03 Feb 2025 22:11 | | RC/JU | Ok |
| 26 | Q1269-01 | VNJ-231 | BF141385.D | 03 Feb 2025 22:37 | | RC/JU | Ok |
| 27 | Q1271-01 | RBR200030 | BF141386.D | 03 Feb 2025 23:04 | | RC/JU | Ok |
| 28 | Q1271-01MS | RBR200030MS | BF141387.D | 03 Feb 2025 23:30 | | RC/JU | Ok,M |
| 29 | Q1271-01MSD | RBR200030MSD | BF141388.D | 03 Feb 2025 23:56 | | RC/JU | Ok,M |
| 30 | Q1262-01 | ETGI-371 | BF141389.D | 04 Feb 2025 00:23 | Need 5X Dilution | RC/JU | Dilution |
| 31 | Q1232-03 | JPP-46.2-012925 | BF141390.D | 04 Feb 2025 00:49 | Need 5X Dilution | RC/JU | Dilution |
| 32 | Q1216-19 | JPP-26.2-012825 | BF141391.D | 04 Feb 2025 01:16 | | RC/JU | Ok,M |
| 33 | Q1216-11 | JPP-21.2-012825 | BF141392.D | 04 Feb 2025 01:42 | Internal Standard Fail | RC/JU | Ok,M |
| 34 | Q1219-01 | LAW-25-0015 | BF141393.D | 04 Feb 2025 02:09 | Internal Standard Fail | RC/JU | Ok |
| 35 | Q1261-01 | CHRT-20430 | BF141394.D | 04 Feb 2025 02:35 | Internal Standard Fail | RC/JU | Ok |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

| | | | | | |
|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 2/4/2025 4:42:42 PM | | |
| Supervise By | mohammad | Supervise On | 2/6/2025 8:40:16 AM | | |
| SubDirectory | BF020325 | HP Acquire Method | BNA_F | HP Processing Method | bf012925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12649,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 36 | Q1218-01 | BELL-25-002 | BF141395.D | 04 Feb 2025 03:01 | Internal Standard Fail | RC/JU | Ok |
| 37 | Q1254-01 | OK-02-01312025 | BF141396.D | 04 Feb 2025 03:28 | | RC/JU | Ok,M |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 2/5/2025 9:10:01 AM | | |
| Supervise By | mohammad | Supervise On | 2/5/2025 9:47:32 AM | | |
| SubDirectory | BF020425 | HP Acquire Method | BNA_F | HP Processing Method | bf012925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12650,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF141397.D | 04 Feb 2025 10:16 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BF141398.D | 04 Feb 2025 10:42 | | RC/JU | Ok,M |
| 3 | PB166483BL | PB166483BL | BF141399.D | 04 Feb 2025 11:08 | | RC/JU | Ok |
| 4 | PB166483BS | PB166483BS | BF141400.D | 04 Feb 2025 11:35 | | RC/JU | Ok,M |
| 5 | PB166423TB | PB166423TB | BF141401.D | 04 Feb 2025 12:02 | | RC/JU | Ok |
| 6 | PB166465BS | PB166465BS | BF141402.D | 04 Feb 2025 12:28 | | RC/JU | Ok,M |
| 7 | PB166465BL | PB166465BL | BF141403.D | 04 Feb 2025 12:54 | | RC/JU | Ok |
| 8 | PB166360BL | PB166360BL | BF141404.D | 04 Feb 2025 13:21 | | RC/JU | Ok |
| 9 | PB166360BS | PB166360BS | BF141405.D | 04 Feb 2025 13:47 | | RC/JU | Ok,M |
| 10 | PB166356TB | PB166356TB | BF141406.D | 04 Feb 2025 14:13 | | RC/JU | Ok |
| 11 | PB166426BS | PB166426BS | BF141407.D | 04 Feb 2025 14:39 | | RC/JU | Ok,M |
| 12 | PB166294BL | PB166294BL | BF141408.D | 04 Feb 2025 15:06 | | RC/JU | Ok |
| 13 | DFTPP | DFTPP | BF141409.D | 04 Feb 2025 15:32 | | RC/JU | Ok |
| 14 | SSTDCCC040 | SSTDCCC040 | BF141410.D | 04 Feb 2025 15:58 | | RC/JU | Ok,M |
| 15 | PB166525BL | PB166525BL | BF141411.D | 04 Feb 2025 16:24 | | RC/JU | Ok |
| 16 | Q1262-03 | CONCRETE-PAD | BF141412.D | 04 Feb 2025 16:56 | | RC/JU | Ok |
| 17 | Q1239-02MS | 286MS | BF141413.D | 04 Feb 2025 17:22 | | RC/JU | Ok,M |
| 18 | Q1239-02MSD | 286MSD | BF141414.D | 04 Feb 2025 17:49 | | RC/JU | Ok,M |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 2/5/2025 9:10:01 AM | | |
| Supervise By | mohammad | Supervise On | 2/5/2025 9:47:32 AM | | |
| SubDirectory | BF020425 | HP Acquire Method | BNA_F | HP Processing Method | bf012925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12650,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q1241-08 | JPP-5.3-013025 | BF141415.D | 04 Feb 2025 18:15 | | RC/JU | Ok |
| 20 | Q1241-12 | JPP-5.2-013025 | BF141416.D | 04 Feb 2025 18:41 | | RC/JU | Ok,M |
| 21 | Q1241-16 | JPP-5.4-013025 | BF141417.D | 04 Feb 2025 19:07 | | RC/JU | Ok |
| 22 | Q1241-20 | JPP-51.4-013025 | BF141418.D | 04 Feb 2025 19:34 | | RC/JU | Ok |
| 23 | Q1242-04 | JPP-6.2-013025 | BF141419.D | 04 Feb 2025 20:00 | | RC/JU | Ok |
| 24 | Q1241-04 | JPP-3.5-013025 | BF141420.D | 04 Feb 2025 20:26 | | RC/JU | Ok |
| 25 | Q1216-08 | JPP-21.1-012825 | BF141421.D | 04 Feb 2025 20:52 | | RC/JU | Ok |
| 26 | Q1206-04 | JPP-20.1-012725 | BF141422.D | 04 Feb 2025 21:19 | | RC/JU | Ok |
| 27 | Q1206-08 | JPP-16.3-012725 | BF141423.D | 04 Feb 2025 21:45 | | RC/JU | Ok |
| 28 | Q1194-03 | B-113-SB01 | BF141424.D | 04 Feb 2025 22:11 | | RC/JU | Ok,M |
| 29 | Q1262-01DL | ETGI-371DL | BF141425.D | 04 Feb 2025 22:38 | | RC/JU | Ok,M |
| 30 | Q1232-03DL | JPP-46.2-012925DL | BF141426.D | 04 Feb 2025 23:04 | | RC/JU | Ok,M |
| 31 | Q1280-01 | 72-11984 | BF141427.D | 04 Feb 2025 23:30 | | RC/JU | Ok,M |
| 32 | Q1280-01MS | 72-11984MS | BF141428.D | 04 Feb 2025 23:56 | | RC/JU | Ok,M |
| 33 | Q1280-01MSD | 72-11984MSD | BF141429.D | 05 Feb 2025 00:22 | | RC/JU | Ok,M |
| 34 | Q1276-01 | TR-05-020325 | BF141430.D | 05 Feb 2025 00:48 | | RC/JU | Ok,M |
| 35 | Q1277-02 | RT 3249 | BF141431.D | 05 Feb 2025 01:15 | | RC/JU | Ok |
| 36 | Q1281-01 | OR-02--2-03-2025 | BF141432.D | 05 Feb 2025 01:41 | | RC/JU | Ok,M |
| 37 | Q1241-07 | JPP-5.3-013025 | BF141433.D | 05 Feb 2025 02:07 | | RC/JU | Ok,M |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 2/5/2025 9:10:01 AM | | |
| Supervise By | mohammad | Supervise On | 2/5/2025 9:47:32 AM | | |
| SubDirectory | BF020425 | HP Acquire Method | BNA_F | HP Processing Method | bf012925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12650,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

| | | | | | |
|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 2/7/2025 3:49:55 PM | | |
| Supervise By | mohammad | Supervise On | 2/7/2025 10:09:12 PM | | |
| SubDirectory | BF020625 | HP Acquire Method | BNA_F | HP Processing Method | bf020625 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12650,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF141471.D | 06 Feb 2025 10:41 | | RC/JU | Ok |
| 2 | SSTDICC2.5 | SSTDICC2.5 | BF141472.D | 06 Feb 2025 11:07 | | RC/JU | Ok |
| 3 | SSTDICC005 | SSTDICC005 | BF141473.D | 06 Feb 2025 11:34 | Compound #32,41,54 and #65 removed from 5PPM | RC/JU | Ok |
| 4 | SSTDICC010 | SSTDICC010 | BF141474.D | 06 Feb 2025 12:00 | | RC/JU | Ok,M |
| 5 | SSTDICC020 | SSTDICC020 | BF141475.D | 06 Feb 2025 12:26 | | RC/JU | Ok,M |
| 6 | SSTDICCC040 | SSTDICCC040 | BF141476.D | 06 Feb 2025 12:55 | The Calibration is Good For 8270 DOD and good for 625.1 Method | RC/JU | Ok |
| 7 | SSTDICC050 | SSTDICC050 | BF141477.D | 06 Feb 2025 13:21 | | RC/JU | Ok |
| 8 | SSTDICC060 | SSTDICC060 | BF141478.D | 06 Feb 2025 13:47 | | RC/JU | Ok |
| 9 | SSTDICC080 | SSTDICC080 | BF141479.D | 06 Feb 2025 14:14 | Compound #9 removed from 80ppm | RC/JU | Ok |
| 10 | SSTDICV040 | ICVBF020625 | BF141480.D | 06 Feb 2025 15:03 | | RC/JU | Ok |
| 11 | PB166563BL | PB166563BL | BF141481.D | 06 Feb 2025 15:43 | | RC/JU | Ok |
| 12 | PB166468BS | PB166468BS | BF141482.D | 06 Feb 2025 16:09 | | RC/JU | Ok,M |
| 13 | PB166468BSD | PB166468BSD | BF141483.D | 06 Feb 2025 16:36 | | RC/JU | Ok,M |
| 14 | PB166468BL | PB166468BL | BF141484.D | 06 Feb 2025 17:02 | | RC/JU | Ok |
| 15 | Q1214-01RE | PARAMUS-CONDENS/ | BF141485.D | 06 Feb 2025 17:34 | Surrogate Fail | RC/JU | Confirms |
| 16 | Q1309-01 | WC-2 | BF141486.D | 06 Feb 2025 18:00 | | RC/JU | Ok |
| 17 | Q1309-05 | WC-3 | BF141487.D | 06 Feb 2025 18:27 | | RC/JU | Ok |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

| | | | | | |
|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 2/7/2025 3:49:55 PM | | |
| Supervise By | mohammad | Supervise On | 2/7/2025 10:09:12 PM | | |
| SubDirectory | BF020625 | HP Acquire Method | BNA_F | HP Processing Method | bf020625 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12650,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Q1309-09 | WC-4 | BF141488.D | 06 Feb 2025 18:53 | | RC/JU | Ok |
| 19 | Q1309-13 | WC-5 | BF141489.D | 06 Feb 2025 19:19 | | RC/JU | Ok |
| 20 | Q1309-13MS | WC-5MS | BF141490.D | 06 Feb 2025 19:45 | | RC/JU | Ok,M |
| 21 | Q1309-13MSD | WC-5MSD | BF141491.D | 06 Feb 2025 20:11 | | RC/JU | Ok,M |
| 22 | Q1309-17 | WC-6 | BF141492.D | 06 Feb 2025 20:37 | | RC/JU | Ok |
| 23 | Q1309-21 | WC-8 | BF141493.D | 06 Feb 2025 21:03 | | RC/JU | Ok |
| 24 | Q1216-04 | JPP-18.1-012825 | BF141494.D | 06 Feb 2025 21:30 | | RC/JU | Ok |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF020725

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 2/11/2025 4:20:20 PM | | |
| Supervise By | | Supervise On | | | |
| SubDirectory | BF020725 | HP Acquire Method | BNA_F | HP Processing Method | bf020625 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12650,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF141495.D | 07 Feb 2025 09:28 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BF141496.D | 07 Feb 2025 09:55 | | RC/JU | Ok |
| 3 | PB166588BL | PB166588BL | BF141497.D | 07 Feb 2025 10:21 | | RC/JU | Ok |
| 4 | PB166588BS | PB166588BS | BF141498.D | 07 Feb 2025 10:47 | | RC/JU | Ok,NS |
| 5 | PB166567BL | PB166567BL | BF141499.D | 07 Feb 2025 11:13 | | RC/JU | Ok |
| 6 | PB166563BS | PB166563BS | BF141500.D | 07 Feb 2025 11:40 | | RC/JU | Ok,NS |
| 7 | PB166567BS | PB166567BS | BF141501.D | 07 Feb 2025 12:06 | | RC/JU | Ok,NS |
| 8 | PB166567BSD | PB166567BSD | BF141502.D | 07 Feb 2025 12:32 | | RC/JU | Ok,NS |
| 9 | PB166580BL | PB166580BL | BF141503.D | 07 Feb 2025 12:58 | | RC/JU | Ok |
| 10 | PB166580BS | PB166580BS | BF141504.D | 07 Feb 2025 13:25 | | RC/JU | Ok,NS |
| 11 | DFTPP | DFTPP | BF141505.D | 07 Feb 2025 14:07 | | RC/JU | Ok |
| 12 | SSTDCCC040 | SSTDCCC040 | BF141506.D | 07 Feb 2025 14:33 | | RC/JU | Ok,NS |
| 13 | PB166528TB | PB166528TB | BF141507.D | 07 Feb 2025 15:00 | | RC/JU | Ok |
| 14 | Q1285-02 | 72-11977 | BF141508.D | 07 Feb 2025 15:31 | | RC/JU | Ok |
| 15 | Q1304-01 | RB21140 | BF141509.D | 07 Feb 2025 15:58 | Internal Standard Fail | RC/JU | Ok |
| 16 | Q1299-01 | WC-1 | BF141510.D | 07 Feb 2025 16:24 | | RC/JU | Ok |
| 17 | Q1299-05 | WC-2 | BF141511.D | 07 Feb 2025 16:50 | | RC/JU | Ok,NS |
| 18 | Q1288-01 | HR-01-020425 | BF141512.D | 07 Feb 2025 17:16 | Need 2X Dilution | RC/JU | Dilution |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF020725

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 2/11/2025 4:20:20 PM | | |
| Supervise By | | Supervise On | | | |
| SubDirectory | BF020725 | HP Acquire Method | BNA_F | HP Processing Method | bf020625 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12650,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q1288-01MS | HR-01-020425MS | BF141513.D | 07 Feb 2025 17:43 | | RC/JU | Ok,NS |
| 20 | Q1288-01MSD | HR-01-020425MSD | BF141514.D | 07 Feb 2025 18:09 | | RC/JU | Ok,NS |
| 21 | Q1215-07 | JPP-29.2-012825 | BF141515.D | 07 Feb 2025 18:35 | Need 2X Dilution | RC/JU | Dilution |
| 22 | Q1216-07 | JPP-21.1-012825 | BF141516.D | 07 Feb 2025 19:02 | | RC/JU | Ok,NS |
| 23 | Q1216-03 | JPP-18.1-012825 | BF141517.D | 07 Feb 2025 19:28 | | RC/JU | Ok,NS |
| 24 | Q1241-03 | JPP-3.5-013025 | BF141518.D | 07 Feb 2025 19:54 | Need 5X Dilution | RC/JU | Dilution |
| 25 | Q1232-15 | JPP-42.2-012925 | BF141519.D | 07 Feb 2025 20:21 | Need 5X Dilution | RC/JU | Dilution |
| 26 | Q1216-15 | JPP-26.1-012825 | BF141520.D | 07 Feb 2025 20:47 | Internal Standard Fail, Need 5X Dilution | RC/JU | Dilution |
| 27 | Q1241-11 | JPP-5.2-013025 | BF141521.D | 07 Feb 2025 21:13 | Surrogate Fail | RC/JU | Ok,NS |
| 28 | Q1235-07 | JPP-16.1-012925 | BF141522.D | 07 Feb 2025 21:40 | | RC/JU | Ok,NS |
| 29 | Q1232-07 | JPP-46.1-012925 | BF141523.D | 07 Feb 2025 22:07 | | RC/JU | Ok,NS |
| 30 | Q1241-19 | JPP-51.4-013025 | BF141524.D | 07 Feb 2025 22:33 | | RC/JU | Ok,NS |
| 31 | Q1241-15 | JPP-5.4-013025 | BF141525.D | 07 Feb 2025 23:00 | Need further 5X Dilution | RC/JU | Dilution |
| 32 | Q1242-03 | JPP-6.2-013025 | BF141526.D | 07 Feb 2025 23:27 | Surrogate Fail | RC/JU | Ok,NS |
| 33 | Q1232-11 | JPP-42.1-012925 | BF141527.D | 07 Feb 2025 23:53 | | RC/JU | Ok,NS |
| 34 | Q1232-19 | JPP-51.1-012925 | BF141528.D | 08 Feb 2025 00:20 | | RC/JU | Ok,NS |
| 35 | Q1235-03 | JPP-51.2-012925 | BF141529.D | 08 Feb 2025 00:47 | Surrogate Fail | RC/JU | Ok,NS |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF021025

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 2/11/2025 4:19:14 PM | | |
| Supervise By | Jagrut | Supervise On | 2/11/2025 6:20:58 PM | | |
| SubDirectory | BF021025 | HP Acquire Method | BNA_F | HP Processing Method | bf020625 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12651,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF141530.D | 10 Feb 2025 11:08 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BF141531.D | 10 Feb 2025 11:34 | | RC/JU | Ok |
| 3 | PB166610BL | PB166610BL | BF141532.D | 10 Feb 2025 12:00 | | RC/JU | Ok |
| 4 | PB166619BS | PB166619BS | BF141533.D | 10 Feb 2025 12:26 | | RC/JU | Ok,M |
| 5 | PB166619BSD | PB166619BSD | BF141534.D | 10 Feb 2025 14:50 | | RC/JU | Ok,M |
| 6 | PB166619BL | PB166619BL | BF141535.D | 10 Feb 2025 15:17 | | RC/JU | Ok |
| 7 | Q1322-01 | MANHOLE | BF141536.D | 10 Feb 2025 15:57 | | RC/JU | Ok |
| 8 | Q1299-04 | WC-1 | BF141537.D | 10 Feb 2025 16:23 | | RC/JU | Ok |
| 9 | Q1299-04MS | WC-1MS | BF141538.D | 10 Feb 2025 16:49 | | RC/JU | Ok,M |
| 10 | Q1299-04MSD | WC-1MSD | BF141539.D | 10 Feb 2025 17:16 | | RC/JU | Ok,M |
| 11 | Q1299-08 | WC-2 | BF141540.D | 10 Feb 2025 17:42 | | RC/JU | Ok |
| 12 | Q1309-04 | WC-2 | BF141541.D | 10 Feb 2025 18:08 | | RC/JU | Ok |
| 13 | Q1344-01 | SOIL-1 | BF141542.D | 10 Feb 2025 18:34 | | RC/JU | Ok |
| 14 | Q1344-03 | SOIL-2 | BF141543.D | 10 Feb 2025 19:01 | | RC/JU | Ok |
| 15 | Q1288-01DL | HR-01-020425DL | BF141544.D | 10 Feb 2025 19:27 | | RC/JU | Ok,M |
| 16 | Q1215-07DL | JPP-29.2-012825DL | BF141545.D | 10 Feb 2025 19:53 | | RC/JU | Ok,M |
| 17 | Q1241-03DL | JPP-3.5-013025DL | BF141546.D | 10 Feb 2025 20:19 | | RC/JU | Ok,M |
| 18 | Q1232-15DL | JPP-42.2-012925DL | BF141547.D | 10 Feb 2025 20:45 | | RC/JU | Ok,M |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF021025

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 2/11/2025 4:19:14 PM | | |
| Supervise By | Jagrut | Supervise On | 2/11/2025 6:20:58 PM | | |
| SubDirectory | BF021025 | HP Acquire Method | BNA_F | HP Processing Method | bf020625 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12651,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q1216-15DL | JPP-26.1-012825DL | BF141548.D | 10 Feb 2025 21:12 | | RC/JU | Ok,M |
| 20 | Q1241-15DL | JPP-5.4-013025DL | BF141549.D | 10 Feb 2025 21:38 | | RC/JU | Ok,M |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF021125

| | | | | | |
|---|---|---|---|---|---|
| Review By | | Review On | | | |
| Supervise By | | Supervise On | | | |
| SubDirectory | BF021125 | HP Acquire Method | BNA_F | HP Processing Method | bf020625 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12651,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF141550.D | 11 Feb 2025 10:02 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BF141551.D | 11 Feb 2025 10:28 | | RC/JU | Ok |
| 3 | PB166640BL | PB166640BL | BF141552.D | 11 Feb 2025 10:55 | | RC/JU | Ok |
| 4 | PB166640BS | PB166640BS | BF141553.D | 11 Feb 2025 11:21 | | RC/JU | Ok,NS |
| 5 | PB166641BL | PB166641BL | BF141554.D | 11 Feb 2025 11:47 | | RC/JU | Ok |
| 6 | PB166641BS | PB166641BS | BF141555.D | 11 Feb 2025 12:13 | | RC/JU | Ok,NS |
| 7 | PB166641BSD | PB166641BSD | BF141556.D | 11 Feb 2025 12:39 | | RC/JU | Ok,NS |
| 8 | PB166591TB | PB166591TB | BF141557.D | 11 Feb 2025 13:05 | | RC/JU | Ok |
| 9 | PB166610BS | PB166610BS | BF141558.D | 11 Feb 2025 13:32 | | RC/JU | Ok,NS |
| 10 | Q1309-20 | WC-6 | BF141559.D | 11 Feb 2025 14:04 | | RC/JU | Ok |
| 11 | Q1309-24 | WC-8 | BF141560.D | 11 Feb 2025 14:30 | Internal Standard and surrogate fail | RC/JU | ReRun |
| 12 | Q1309-08 | WC-3 | BF141561.D | 11 Feb 2025 14:56 | | RC/JU | Ok |
| 13 | Q1309-16 | WC-5 | BF141562.D | 11 Feb 2025 15:23 | | RC/JU | Ok |
| 14 | Q1309-12 | WC-4 | BF141563.D | 11 Feb 2025 15:49 | | RC/JU | Ok |
| 15 | Q1343-17 | WC-14 | BF141564.D | 11 Feb 2025 16:15 | | RC/JU | Ok |
| 16 | Q1340-01 | RV-SOIL | BF141565.D | 11 Feb 2025 16:42 | | RC/JU | Ok |
| 17 | Q1343-01 | WC-9 | BF141566.D | 11 Feb 2025 17:08 | | RC/JU | Ok,NS |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF021125

| | | | | | |
|---|---|---|---|---|---|
| Review By | | Review On | | | |
| Supervise By | | Supervise On | | | |
| SubDirectory | BF021125 | HP Acquire Method | BNA_F | HP Processing Method | bf020625 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12651,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Q1206-03DL | JPP-20.1-012725DL | BF141567.D | 11 Feb 2025 17:35 | | RC/JU | Ok,NS |
| 19 | Q1285-01DL | 72-11977DL | BF141568.D | 11 Feb 2025 18:01 | | RC/JU | Ok,NR |
| 20 | Q1346-01 | SOIL-COMP | BF141569.D | 11 Feb 2025 18:27 | | RC/JU | Ok,NR |
| 21 | Q1346-01MS | SOIL-COMPMS | BF141570.D | 11 Feb 2025 18:53 | | RC/JU | Ok,NR |
| 22 | Q1346-01MSD | SOIL-COMPMSD | BF141571.D | 11 Feb 2025 19:19 | | RC/JU | Ok,NR |
| 23 | Q1215-03 | JPP-29.1-012825 | BF141572.D | 11 Feb 2025 19:45 | | RC/JU | Ok,NR |
| 24 | Q1215-03MS | JPP-29.1-012825MS | BF141573.D | 11 Feb 2025 20:11 | | RC/JU | Ok,NR |
| 25 | Q1215-03MSD | JPP-29.1-012825MSD | BF141574.D | 11 Feb 2025 20:38 | | RC/JU | Ok,NR |
| 26 | Q1345-01 | EO-01-021025 | BF141575.D | 11 Feb 2025 21:04 | | RC/JU | Ok,NR |

M : Manual Integration

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 1/31/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 16:45
**In Date:** 01/30/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:14
**Out Date:** 01/31/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB134481

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|
| Q1215-01 | JPP-29.1-012825 | 1 | 1.15 | 8.54 | 9.69 | 8.75 | 89.0 | |
| Q1215-03 | JPP-29.1-012825 | 2 | 1.16 | 8.48 | 9.64 | 8.69 | 88.8 | |
| Q1215-05 | JPP-29.2-012825 | 3 | 1.19 | 8.70 | 9.89 | 8.77 | 87.1 | |
| Q1215-07 | JPP-29.2-012825 | 4 | 1.15 | 8.63 | 9.78 | 8.81 | 88.8 | |
| Q1216-01 | JPP-18.1-012825 | 5 | 1.19 | 8.45 | 9.64 | 8.05 | 81.2 | |
| Q1216-03 | JPP-18.1-012825 | 6 | 1.16 | 8.82 | 9.98 | 8.51 | 83.3 | |
| Q1216-05 | JPP-21.1-012825 | 7 | 1.15 | 8.40 | 9.55 | 8.83 | 91.4 | |
| Q1216-07 | JPP-21.1-012825 | 8 | 1.15 | 8.75 | 9.9 | 9.06 | 90.4 | |
| Q1216-09 | JPP-21.2-012825 | 9 | 1.19 | 8.42 | 9.61 | 8.29 | 84.3 | |
| Q1216-11 | JPP-21.2-012825 | 10 | 1.15 | 8.36 | 9.51 | 8.2 | 84.3 | |
| Q1216-13 | JPP-26.1-012825 | 11 | 1.19 | 8.46 | 9.65 | 7.87 | 79.0 | |
| Q1216-15 | JPP-26.1-012825 | 12 | 1.17 | 8.76 | 9.93 | 8.42 | 82.8 | |
| Q1216-17 | JPP-26.2-012825 | 13 | 1.16 | 8.63 | 9.79 | 8.52 | 85.3 | |
| Q1216-19 | JPP-26.2-012825 | 14 | 1.17 | 8.51 | 9.68 | 8.47 | 85.8 | |
| Q1232-01 | JPP-46.2-012925 | 15 | 1.12 | 8.77 | 9.89 | 8.99 | 89.7 | |
| Q1232-03 | JPP-46.2-012925 | 16 | 1.15 | 8.37 | 9.52 | 8.62 | 89.2 | |
| Q1232-05 | JPP-46.1-012925 | 17 | 1.17 | 8.50 | 9.67 | 9.14 | 93.8 | |
| Q1232-07 | JPP-46.1-012925 | 18 | 1.15 | 8.72 | 9.87 | 9.35 | 94.0 | |
| Q1232-09 | JPP-42.1-012925 | 19 | 1.14 | 8.37 | 9.51 | 8.56 | 88.6 | |
| Q1232-11 | JPP-42.1-012925 | 20 | 1.19 | 8.43 | 9.62 | 8.62 | 88.1 | |
| Q1232-13 | JPP-42.2-012925 | 21 | 1.15 | 8.50 | 9.65 | 8.98 | 92.1 | |
| Q1232-15 | JPP-42.2-012925 | 22 | 1.15 | 8.37 | 9.52 | 8.95 | 93.2 | |
| Q1232-17 | JPP-51.1-012925 | 23 | 1.19 | 8.42 | 9.61 | 9.14 | 94.4 | |
| Q1232-19 | JPP-51.1-012925 | 24 | 1.12 | 8.75 | 9.87 | 9.44 | 95.1 | |
| Q1233-01 | WIPE-1 | 25 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | WIPE SAMPLE |
| Q1233-02 | WIPE-2 | 26 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | WIPE SAMPLE |
| Q1235-01 | JPP-51.2-012925 | 27 | 1.15 | 8.60 | 9.75 | 8.99 | 91.2 | |
| Q1235-03 | JPP-51.2-012925 | 28 | 1.15 | 8.51 | 9.66 | 8.96 | 91.8 | |

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 1/31/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 16:45
**In Date:** 01/30/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:14
**Out Date:** 01/31/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB134481

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|
| Q1235-05 | JPP-16.1-012925 | 29 | 1.15 | 8.75 | 9.9 | 8.94 | 89.0 | |
| Q1235-07 | JPP-16.1-012925 | 30 | 1.12 | 8.77 | 9.89 | 8.94 | 89.2 | |
| Q1237-01 | HL6PX1 | 31 | 1.16 | 8.53 | 9.69 | 9.27 | 95.1 | |
| Q1237-02 | HL6PX2 | 32 | 1.16 | 8.70 | 9.86 | 9.28 | 93.3 | |
| Q1237-03 | HL6PX3 | 33 | 1.15 | 8.82 | 9.97 | 9.27 | 92.1 | |
| Q1237-04 | HL6PX4 | 34 | 1.15 | 8.78 | 9.93 | 9.43 | 94.3 | |
| Q1237-05 | HL6PX5 | 35 | 1.17 | 8.54 | 9.71 | 9.33 | 95.6 | |
| Q1237-06 | HL6PX6 | 36 | 1.17 | 8.57 | 9.74 | 9.07 | 92.2 | |
| Q1239-01 | 286 | 37 | 1.14 | 8.49 | 9.63 | 8.68 | 88.8 | |
| Q1239-04 | 348 | 38 | 1.14 | 8.83 | 9.97 | 9.00 | 89.0 | |
| Q1239-07 | RBR22266 | 39 | 1.17 | 8.74 | 9.91 | 9.00 | 89.6 | |
| Q1239-10 | 357 | 40 | 1.16 | 8.80 | 9.96 | 8.62 | 84.8 | |
| Q1240-01 | MEG-OIL | 41 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | oil sample |

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

# WORKLIST(Hardcopy Internal Chain) (B 13448)

**WorkList Name :** %1-013025 **WorkList ID :** 187270 **Department :** Wet-Chemistry **Date :** 01-30-2025 07:55:51

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1215-01 | JPP-29.1-012825 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/28/2025 | Chemtech -SO |
| Q1215-03 | JPP-29.1-012825 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/28/2025 | Chemtech -SO |
| Q1215-05 | JPP-29.2-012825 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/28/2025 | Chemtech -SO |
| Q1215-07 | JPP-29.2-012825 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/28/2025 | Chemtech -SO |
| Q1216-01 | JPP-18.1-012825 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/28/2025 | Chemtech -SO |
| Q1216-03 | JPP-18.1-012825 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/28/2025 | Chemtech -SO |
| Q1216-05 | JPP-21.1-012825 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/28/2025 | Chemtech -SO |
| Q1216-07 | JPP-21.1-012825 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/28/2025 | Chemtech -SO |
| Q1216-09 | JPP-21.2-012825 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/28/2025 | Chemtech -SO |
| Q1216-11 | JPP-21.2-012825 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/28/2025 | Chemtech -SO |
| Q1216-13 | JPP-26.1-012825 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/28/2025 | Chemtech -SO |
| Q1216-15 | JPP-26.1-012825 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/28/2025 | Chemtech -SO |
| Q1216-17 | JPP-26.2-012825 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/28/2025 | Chemtech -SO |
| Q1216-19 | JPP-26.2-012825 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/28/2025 | Chemtech -SO |
| Q1232-01 | JPP-46.2-012925 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/28/2025 | Chemtech -SO |
| Q1232-03 | JPP-46.2-012925 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/29/2025 | Chemtech -SO |
| Q1232-05 | JPP-46.1-012925 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/29/2025 | Chemtech -SO |
| Q1232-07 | JPP-46.1-012925 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/29/2025 | Chemtech -SO |
| Q1232-09 | JPP-42.1-012925 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/29/2025 | Chemtech -SO |
| Q1232-11 | JPP-42.1-012925 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/29/2025 | Chemtech -SO |
| Q1232-13 | JPP-42.2-012925 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/29/2025 | Chemtech -SO |

**Date/Time** 01/30/25 1520

**Raw Sample Received by:** SB WC)

**Raw Sample Relinquished by:** CJSM

**Date/Time** 01/30/25 1711

**Raw Sample Received by:** CF SB

**Raw Sample Relinquished by:** SB WC)

# WORKLIST(Hardcopy Internal Chain)

JB 134481

**WorkList Name :** %1-013025 **WorkList ID :** 187270 **Department :** Wet-Chemistry **Date :** 01-30-2025 07:55:51

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1232-15 | JPP-42.2-012925 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/29/2025 | Chemtech -SO |
| Q1232-17 | JPP-51.1-012925 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/29/2025 | Chemtech -SO |
| Q1232-19 | JPP-51.1-012925 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/29/2025 | Chemtech -SO |
| Q1233-01 | WIPE-1 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/29/2025 | Chemtech -SO |
| Q1233-02 | WIPE-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | N41 | 01/30/2025 | Chemtech -SO |
| Q1235-01 | JPP-51.2-012925 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | N41 | 01/30/2025 | Chemtech -SO |
| Q1235-03 | JPP-51.2-012925 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/29/2025 | Chemtech -SO |
| Q1235-05 | JPP-16.1-012925 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/29/2025 | Chemtech -SO |
| Q1235-07 | JPP-16.1-012925 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/29/2025 | Chemtech -SO |
| Q1237-01 | HL6PX1 | Solid | Percent Solids | Cool 4 deg C | RUTW01 | E11 | 01/29/2025 | Chemtech -SO |
| Q1237-02 | HL6PX2 | Solid | Percent Solids | Cool 4 deg C | GENV01 | N31 | 01/30/2025 | Chemtech -SO |
| Q1237-03 | HL6PX3 | Solid | Percent Solids | Cool 4 deg C | GENV01 | N31 | 01/30/2025 | Chemtech -SO |
| Q1237-04 | HL6PX4 | Solid | Percent Solids | Cool 4 deg C | GENV01 | N31 | 01/30/2025 | Chemtech -SO |
| Q1237-05 | HL6PX5 | Solid | Percent Solids | Cool 4 deg C | GENV01 | N31 | 01/30/2025 | Chemtech -SO |
| Q1237-06 | HL6PX6 | Solid | Percent Solids | Cool 4 deg C | GENV01 | N31 | 01/30/2025 | Chemtech -SO |
| Q1239-01 | 286 | Solid | Percent Solids | Cool 4 deg C | GENV01 | N31 | 01/30/2025 | Chemtech -SO |
| Q1239-04 | 348 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | N31 | 01/30/2025 | Chemtech -SO |
| Q1239-07 | RBR22266 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | N31 | 01/30/2025 | Chemtech -SO |
| Q1239-10 | 357 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | N31 | 01/30/2025 | Chemtech -SO |
| Q1240-01 | MEG-OIL | Solid | Percent Solids | Cool 4 deg C | PSEG03 | N41 | 01/30/2025 | Chemtech -SO |

**Date/Time** 01/30/25 1512 0

**Raw Sample Received by:** JB WdC

**Raw Sample Relinquished by:** CF SM

**Date/Time** 01/30/25 1720

**Raw Sample Received by:** CF SM

**Raw Sample Relinquished by:** JB WdC

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB166360

**SOP ID:** M3541-ASE Extraction-14

**Clean Up SOP #:** N/A

**Matrix :** Solid

**Weigh By:** EH

**Balance check:** RJ

**Balance ID:** EX-SC-2

**pH Strip Lot#:** N/A

**Extraction By:** RJ

**Filter By:** RJ

**pH Meter ID:** N/A

**Hood ID:** 3,7

**Extraction Start Date :** 01/30/2025

**Extraction Start Time :** 09:15

**Extraction End Date :** 01/30/2025

**Extraction End Time :** 12:15

**Concentration By:** EH

**Supervisor By :** rajesh

**Extraction Method:** ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Spike Sol 1 | 1.0ML | 50/100 PPM | SP6720 |
| Surrogate | 1.0ML | 100/150 PPM | SP6638 |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| MeCl2/Acetone/1:1 | N/A | EP2578 |
| Baked Na2SO4 | N/A | EP2580 |
| Methylene Chloride | N/A | E3871 |
| Sand | N/A | E2865 |
| 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 |
| N/A | N/A | N/A |

**Extraction Conformance/Non-Conformance Comments:**

1.5 ML Vial lot # 2210673.Q1218-01,1219-01 Limited volume used as samples are Oily debries. Q1219-01 Due to Thick Oily matrix ,so, final volume 5ml made. -

**KD Bath ID:** N/A

**KD Bath Temperature:** N/A

**Envap ID:** NEVAP-02

**Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 01/30/25 | RP (Sol Gas) | AC/SVOC |
| 12:20 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB166360**

**Analytical Method:** M3541-ASE Extraction-14

**Concentration Date:** 01/30/2025

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB166360BL | SBLK360 | SVOC-TCL BNA -20 | 30.02 | N/A | ritesh | Evelyn | 1 | | | U2-1 |
| PB166360BS | SLCS360 | SVOC-TCL BNA -20 | 30.01 | N/A | ritesh | Evelyn | 1 | | | 2 |
| Q1215-03 | JPP-29.1-012825 | SVOC-TCL BNA -20 | 30.05 | N/A | ritesh | Evelyn | 1 | B | | 3 |
| Q1215-03MS | JPP-29.1-012825MS | SVOC-TCL BNA -20 | 30.06 | N/A | ritesh | Evelyn | 1 | B | | 4 |
| Q1215-03MSD | JPP-29.1-012825MSD | SVOC-TCL BNA -20 | 30.05 | N/A | ritesh | Evelyn | 1 | B | | 5 |
| Q1215-07 | JPP-29.2-012825 | SVOC-TCL BNA -20 | 30.03 | N/A | ritesh | Evelyn | 1 | B | | 6 |
| Q1216-03 | JPP-18.1-012825 | SVOC-TCL BNA -20 | 30.08 | N/A | ritesh | Evelyn | 1 | B | | U3-1 |
| Q1216-07 | JPP-21.1-012825 | SVOC-TCL BNA -20 | 30.06 | N/A | ritesh | Evelyn | 1 | B | | 2 |
| Q1216-11 | JPP-21.2-012825 | SVOC-TCL BNA -20 | 30.02 | N/A | ritesh | Evelyn | 1 | B | | 3 |
| Q1216-15 | JPP-26.1-012825 | SVOC-TCL BNA -20 | 30.05 | N/A | ritesh | Evelyn | 1 | B | | 4 |
| Q1216-19 | JPP-26.2-012825 | SVOC-TCL BNA -20 | 30.07 | N/A | ritesh | Evelyn | 1 | B | | 5 |
| Q1218-01 | BELL-25-002 | SVOC-TCL BNA -20 | 5.02 | N/A | ritesh | Evelyn | 1 | E | Oily Debris | 6 |
| Q1219-01 | LAW-25-0015 | SVOC-TCL BNA -20 | 5.06 | N/A | ritesh | Evelyn | 5 | E | Oily Debris | U6-1 |
| Q1220-01 | TR-06-01292025 | SVOC-TCL BNA -20 | 50.04 | N/A | ritesh | Evelyn | 1 | E | | 2 |
| Q1221-01 | CHESTNUT-CONCRETE | SVOC-TCL BNA -20 | 50.03 | N/A | ritesh | Evelyn | 1 | B | Concrete | 3 |

* **Extracts relinquished on the same date as received.**

1/30/25

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q1216 **WorkList ID :** 187283 **Department :** Extraction **Date :** 01-30-2025 08:27:30

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1215-03 | JPP-29.1-012825 | Solid | SVOC-TCL BNA -20 | | RUTW01 | E11 | 01/28/2025 | 8270E |
| Q1215-07 | JPP-29.2-012825 | Solid | SVOC-TCL BNA -20 | | RUTW01 | E11 | 01/28/2025 | 8270E |
| Q1216-03 | JPP-18.1-012825 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | RUTW01 | E11 | 01/28/2025 | 8270E |
| Q1216-07 | JPP-21.1-012825 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | RUTW01 | E11 | 01/28/2025 | 8270E |
| Q1216-11 | JPP-21.2-012825 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | RUTW01 | E11 | 01/28/2025 | 8270E |
| Q1216-15 | JPP-26.1-012825 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | RUTW01 | E11 | 01/28/2025 | 8270E |
| Q1216-19 | JPP-26.2-012825 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | RUTW01 | E11 | 01/28/2025 | 8270E |

**Date/Time** 01/30/25 9:10
**Raw Sample Received by:** RJ (Sat Lab)
**Raw Sample Relinquished by:** JD (SM)



**Date/Time** 01/30/25 9:45
**Raw Sample Received by:** JD (SM)
**Raw Sample Relinquished by:** RJ (Sat Lab)

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q1221 **WorkList ID :** 187274 **Department :** Extraction **Date :** 01-30-2025 08:07:24

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1218-01 | BELL-25-002 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | N41 | 01/29/2025 | 8270E |
| Q1219-01 | LAW-25-0015 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | N41 | 01/29/2025 | 8270E |
| Q1220-01 | TR-06-01292025 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG05 | N41 | 01/29/2025 | 8270E |
| Q1221-01 | CHESTNUT-CONCRETE | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | N41 | 01/29/2025 | 8270E |

**Date/Time** 01/30/25 9:10
**Raw Sample Received by:** RJ (Cool Log)
**Raw Sample Relinquished by:** JD CSM



**Date/Time** 01/30/25 9645
**Raw Sample Received by:** JD CSM
**Raw Sample Relinquished by:** RJ (Cool Log)




# SHIPPING DOCUMENTS

# CHEMTECH
## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. Q1216
QUOTE NO.
COC Number 2041068

### CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RU2 Engineering LLC
ADDRESS: 2 Melinda Drive, Monroe Twp, NJ 08831
CITY STATE: ZIP:
ATTENTION: Ruta Manani
PHONE: 609-409-4564 FAX:

### CLIENT PROJECT INFORMATION

PROJECT NAME: SANDTWOBR BMCR Project
PROJECT NO.: LOCATION: Brooklyn, NYC
PROJECT MANAGER: Ruta Manani
e-mail: Rmanani@Ru2eng.com
PHONE: FAX:

### CLIENT BILLING INFORMATION

BILL TO: Same as Company address PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

### DATA TURNAROUND INFORMATION

FAX (RUSH) Standard 10 days DAYS*
HARDCOPY (DATA PACKAGE): Standard 10 days DAYS*
EDD: Standard 10 days DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

### 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 VOC + TICs MTBE TBA
2 TCLP VOCs
3 TPH GRO - DRO
4 TCL SVOCs + TICs
5 TAL Metals
6 Pesticides, PCBs
7 RCRA characteristics
8 Paint filter
9 full TCLP

| CHEMTECH 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | JPP-18.1-012825 | Soil | | G | 1/28/25 | 8:35 | 3 | X | X | X | | | | | | | |
| 2. | JPP-18.1-012825 | Soil | C | | 1/28/25 | 8:41 | 7 | | | X | X | X | X | X | X | X | |
| 3. | JPP-21.1-012825 | Soil | | G | 1/28/25 | 9:25 | 3 | X | X | X | | | | | | | |
| 4. | JPP-21.1-012825 | Soil | C | | 1/28/25 | 9:30 | 7 | | | X | X | X | X | X | X | X | |
| 5. | JPP-21.2-012825 | Soil | | G | 1/28/25 | 10:44 | 3 | X | X | X | | | | | | | |
| 6. | JPP-21.2-012825 | Soil | C | | 1/28/25 | 10:50 | 7 | | | X | X | X | X | X | X | X | |
| 7. | JPP-26.1-012825 | Soil | | G | 1/28/25 | 11:28 | 3 | X | X | X | | | | | | | |
| 8. | JPP-26.1-012825 | Soil | C | | 1/28/25 | 11:35 | 7 | | | X | X | X | X | X | X | X | |
| 9. | JPP-26.2-012825 | Soil | | G | 1/28/25 | 13:20 | 3 | X | X | X | | | | | | | |
| 10. | JPP-26.2-012825 | Soil | C | | 1/28/25 | 13:32 | 7 | | | X | X | X | X | X | X | X | |

PRESERVATIVES: 1-A-HCl, 2-B-HN03, 3-C-H2SO4, 4-D-NaOH, 5-E-ICE, 6-F-OTHER

### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
|---|---|---|
| 1. AA | 1/29/2025 | 1. 1045 1-29-25 |
| 2. | | 2. |
| 3. | 1614 1.29.25 | 3. |

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.8 °C
Comments: Preserve extra sample jar if additional analysis is Required

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Laboratory Certification

| Certified By | License No. |
|---|---|
| | |
| CAS EPA CLP Contract | 68HERH20D0011 |
| | |
| Connecticut | PH-0830 |
| | |
| DOD ELAP (ANAB) | L2219 |
| | |
| Maine | 2024021 |
| | |
| Maryland | 296 |
| | |
| New Hampshire | 255424 Rev 1 |
| | |
| New Jersey | 20012 |
| | |
| New York | 11376 |
| | |
| Pennsylvania | 68-00548 |
| | |
| Soil Permit | 525-24-234-08441 |
| | |
| Texas | T104704488 |

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

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q1216 RUTW01
**Client Name :** RU2 Engineering, LLC
**Client Contact :** Rutu Manani
**Invoice Name :** RU2 Engineering, LLC
**Invoice Contact :** Rutu Manani

**Order Date :** 1/29/2025 11:54:00 AM
**Project Name :** ~~SANDTWOBR BMCR Bro~~ NYCDDC SANTWOBR Brooklyn Bridge BBMCR
**Receive DateTime :** 1/29/2025 4:14:00 PM
**Purchase Order :**

YG 02/03/25

**Project Mgr :**
**Report Type :** NYS ASP B
**EDD Type :** Excel NY
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| Q1216-01 | JPP-18.1-012825 | Solid | 01/28/2025 | 08:35 | | | | | |
| | | | | | VOCMS Group1 | | 8260D | | 10 Bus. Days |
| Q1216-05 | JPP-21.1-012825 | Solid | 01/28/2025 | 09:25 | | | | | |
| | | | | | VOCMS Group1 | | 8260D | | 10 Bus. Days |
| Q1216-09 | JPP-21.2-012825 | Solid | 01/28/2025 | 10:44 | | | | | |
| | | | | | VOCMS Group1 | | 8260D | | 10 Bus. Days |
| Q1216-13 | JPP-26.1-012825 | Solid | 01/28/2025 | 11:28 | | | | | |
| | | | | | VOCMS Group1 | | 8260D | | 10 Bus. Days |
| Q1216-17 | JPP-26.2-012825 | Solid | 01/28/2025 | 13:20 | | | | | |
| | | | | | VOCMS Group1 | | 8260D | | 10 Bus. Days |

**Relinguished By:**
**Date / Time :** 1-29-25 1700

**Received By :**
**Date / Time :** 1-29-25 17:00

**Storage Area :** VOA Refridgerator Room

Samples in Sm Frig @1700.