284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# Cover Page

**Order ID :** Q1069

**Project ID :** NWIRP Bethpage 112G08005-WE13

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

| Lab Sample Number | Client Sample Number |
|---|---|
| Q1069-01 | RW7B-CARBON-20250109 |
| Q1069-02 | RW7B-CARBON-20250109 |

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: 1/16/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

# DATA REPORTING QUALIFIERS- ORGANIC

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

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

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**APPENDIX A**

**QA REVIEW GENERAL DOCUMENTATION**

**Project #:** **Q1069**

| | 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:** **PATEL VAISHALI** **Date:** **01/16/2025**

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q1069 | **OrderDate:** | 1/10/2025 1:20:00 PM |
| **Client:** | Tetra Tech NUS, Inc. | **Project:** | NWIRP Bethpage 112G08005-WE13 |
| **Contact:** | Ernie Wu | **Location:** | M11 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q1069-01** | **RW7B-CARBON-20250109** | **SOIL** | | | **01/09/25** | | | **01/09/25** |
| | | | SVOC-TCL BNA -20 | 8270E | | 01/13/25 | 01/15/25 | |
| **Q1069-01RX** | **RW7B-CARBON-20250109RX** | **SOIL** | | | **01/09/25** | | | **01/09/25** |
| | | | SVOC-TCL BNA -20 | 8270E | | 01/15/25 | 01/15/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1069

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

| Sample ID | Client ID | Matrix | Parameter | | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|---|
| **Client ID :** | **RW7B-CARBON-20250109** | | | | | | | | | |
| Q1069-01 | RW7B-CARBON-20250109 | SOIL | Bis(2-ethylhexyl)phthalate | | 280.000 | J | 160 | 230 | 310 | ug/Kg |
| | | | **Total Svoc :** | | **280.00** | | | | | |
| Q1069-01 | RW7B-CARBON-20250109 | SOIL | 1,2-Ethanediol, diformate | * | 1,800.000 | J | 0 | | 0 | ug/Kg |
| Q1069-01 | RW7B-CARBON-20250109 | SOIL | 2-Pentanone, 4-hydroxy-4-methyl | * | 230.000 | AB | 0 | | 0 | ug/Kg |
| Q1069-01 | RW7B-CARBON-20250109 | SOIL | Benzophenone | * | 290.000 | J | 0 | | 0 | ug/Kg |
| Q1069-01 | RW7B-CARBON-20250109 | SOIL | Ethane, 1,1,2-trichloro- | * | 2,000.000 | J | 0 | | 0 | ug/Kg |
| Q1069-01 | RW7B-CARBON-20250109 | SOIL | Hexasiloxane, 1,1,3,3,5,5,7,7,9,9, | * | 320.000 | J | 0 | | 0 | ug/Kg |
| Q1069-01 | RW7B-CARBON-20250109 | SOIL | n-Hexadecanoic acid | * | 260.000 | J | 0 | | 0 | ug/Kg |
| Q1069-01 | RW7B-CARBON-20250109 | SOIL | Trichloroethylene | * | 14,000.000 | J | 0 | | 0 | ug/Kg |
| Q1069-01 | RW7B-CARBON-20250109 | SOIL | Pyridine | * | 230.000 | J | 140 | | 310 | ug/Kg |
| | | | **Total Tics :** | | **19,130.00** | | | | | |
| | | | **Total Concentration:** | | **19,410.00** | | | | | |
| **Client ID :** | **RW7B-CARBON-20250109RX** | | | | | | | | | |
| Q1069-01RX | RW7B-CARBON-20250109 | SOIL | Bis(2-ethylhexyl)phthalate | | 560.000 | | 160 | 230 | 310 | ug/Kg |
| Q1069-01RX | RW7B-CARBON-20250109 | SOIL | Di-n-octyl phthalate | | 210.000 | J | 200 | 480 | 590 | ug/Kg |
| | | | **Total Svoc :** | | **770.00** | | | | | |
| | | | **Total Concentration:** | | **770.00** | | | | | |




# QC SUMMARY

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# Surrogate Summary

**SW-846**

**SDG No.:** Q1069

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

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| PB166035BL | PB166035BL | 2-Fluorophenol | 150 | 137 | 92 | | 35 | 115 |
| | | Phenol-d6 | 150 | 136 | 90 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 96.4 | 96 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 97.6 | 98 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 153 | 102 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 82.6 | 83 | | 54 | 127 |
| PB166035BS | PB166035BS | 2-Fluorophenol | 150 | 128 | 85 | | 35 | 115 |
| | | Phenol-d6 | 150 | 127 | 85 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 88.7 | 89 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 88.5 | 89 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 147 | 98 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 88.7 | 89 | | 54 | 127 |
| Q1068-01MS | TR-06-1-10-2025MS | 2-Fluorophenol | 150 | 69.8 | 47 | | 35 | 115 |
| | | Phenol-d6 | 150 | 80.8 | 54 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 61.4 | 61 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 65.8 | 66 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 33.3 | 22 | * | 39 | 132 |
| | | Terphenyl-d14 | 100 | 45.4 | 45 | * | 54 | 127 |
| Q1068-01MSD | TR-06-1-10-2025MSD | 2-Fluorophenol | 150 | 74.2 | 49 | | 35 | 115 |
| | | Phenol-d6 | 150 | 88.2 | 59 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 62.1 | 62 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 62.6 | 63 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 37.1 | 25 | * | 39 | 132 |
| | | Terphenyl-d14 | 100 | 52.3 | 52 | * | 54 | 127 |
| Q1069-01 | RW7B-CARBON-20250109 | 2-Fluorophenol | 150 | 7.86 | 5 | * | 35 | 115 |
| | | Phenol-d6 | 150 | 8.17 | 5 | * | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 8.53 | 9 | * | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 8.53 | 9 | * | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 9.68 | 6 | * | 39 | 132 |
| | | Terphenyl-d14 | 100 | 7.98 | 8 | * | 54 | 127 |

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# Surrogate Summary

**SW-846**

**SDG No.:** Q1069

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

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| PB166061BL | PB166061BL | 2-Fluorophenol | 150 | 138 | 92 | | 35 | 115 |
| | | Phenol-d6 | 150 | 135 | 90 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 96.3 | 96 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 96.1 | 96 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 148 | 99 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 82.0 | 82 | | 54 | 127 |
| PB166061BS | PB166061BS | 2-Fluorophenol | 150 | 139 | 92 | | 35 | 115 |
| | | Phenol-d6 | 150 | 138 | 92 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 95.6 | 96 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 94.8 | 95 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 156 | 104 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 96.5 | 97 | | 54 | 127 |
| Q1069-01RX | RW7B-CARBON-20250109RX | 2-Fluorophenol | 150 | 49.5 | 33 | * | 35 | 115 |
| | | Phenol-d6 | 150 | 48.3 | 32 | * | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 38.0 | 38 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 39.2 | 39 | * | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 50.3 | 34 | * | 39 | 132 |
| | | Terphenyl-d14 | 100 | 28.7 | 29 | * | 54 | 127 |

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**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q1069

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

**Analytical Method:** SW8270E

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: Q1068-01MS** | | **Client Sample ID: TR-06-1-10-2025MS** | | | | | | **DataFile: BF141175.D** | | | |
| Benzaldehyde | 1100 | 0 | 120 | ug/Kg | 11 | | | | 10 | 161 | |
| Phenol | 1100 | 0 | 630 | ug/Kg | 57 | | | | 34 | 121 | |
| bis(2-Chloroethyl)ether | 1100 | 0 | 670 | ug/Kg | 61 | | | | 31 | 120 | |
| 2-Chlorophenol | 1100 | 0 | 620 | ug/Kg | 56 | | | | 34 | 121 | |
| 2-Methylphenol | 1100 | 0 | 640 | ug/Kg | 58 | | | | 32 | 122 | |
| 2,2-oxybis(1-Chloropropane) | 1100 | 0 | 640 | ug/Kg | 58 | | | | 33 | 131 | |
| Acetophenone | 1100 | 0 | 690 | ug/Kg | 63 | | | | 33 | 115 | |
| 3+4-Methylphenols | 1100 | 0 | 640 | ug/Kg | 58 | | | | 34 | 119 | |
| N-Nitroso-di-n-propylamine | 1100 | 0 | 650 | ug/Kg | 59 | | | | 36 | 120 | |
| Hexachloroethane | 1100 | 0 | 620 | ug/Kg | 56 | | | | 28 | 117 | |
| Nitrobenzene | 1100 | 0 | 640 | ug/Kg | 58 | | | | 34 | 122 | |
| Isophorone | 1100 | 0 | 700 | ug/Kg | 64 | | | | 30 | 122 | |
| 2-Nitrophenol | 1100 | 0 | 530 | ug/Kg | 48 | | | | 36 | 123 | |
| 2,4-Dimethylphenol | 1100 | 0 | 790 | ug/Kg | 72 | | | | 30 | 127 | |
| bis(2-Chloroethoxy)methane | 1100 | 0 | 690 | ug/Kg | 63 | | | | 36 | 121 | |
| 2,4-Dichlorophenol | 1100 | 0 | 600 | ug/Kg | 55 | | | | 40 | 122 | |
| Naphthalene | 1100 | 0 | 690 | ug/Kg | 63 | | | | 35 | 123 | |
| 4-Chloroaniline | 1100 | 0 | 250 | ug/Kg | 23 | | | | 17 | 106 | |
| Hexachlorobutadiene | 1100 | 0 | 650 | ug/Kg | 59 | | | | 32 | 123 | |
| Caprolactam | 1100 | 0 | 580 | ug/Kg | 53 | | | | 46 | 117 | |
| 4-Chloro-3-methylphenol | 1100 | 0 | 620 | ug/Kg | 56 | | | | 45 | 122 | |
| 2-Methylnaphthalene | 1100 | 0 | 680 | ug/Kg | 62 | | | | 38 | 122 | |
| Hexachlorocyclopentadiene | 2200 | 0 | 1400 | ug/Kg | 64 | | | | 43 | 112 | |
| 2,4,6-Trichlorophenol | 1100 | 0 | 380 | ug/Kg | 35 | * | | | 39 | 126 | |
| 2,4,5-Trichlorophenol | 1100 | 0 | 490 | ug/Kg | 45 | | | | 41 | 124 | |
| 1,1-Biphenyl | 1100 | 0 | 740 | ug/Kg | 67 | | | | 40 | 117 | |
| 2-Chloronaphthalene | 1100 | 0 | 680 | ug/Kg | 62 | | | | 41 | 114 | |
| 2-Nitroaniline | 1100 | 0 | 690 | ug/Kg | 63 | | | | 44 | 127 | |
| Dimethylphthalate | 1100 | 0 | 730 | ug/Kg | 66 | | | | 48 | 124 | |
| Acenaphthylene | 1100 | 110 | 850 | ug/Kg | 67 | | | | 32 | 132 | |
| 2,6-Dinitrotoluene | 1100 | 0 | 650 | ug/Kg | 59 | | | | 46 | 124 | |
| 3-Nitroaniline | 1100 | 0 | 500 | ug/Kg | 45 | | | | 33 | 119 | |
| Acenaphthene | 1100 | 0 | 670 | ug/Kg | 61 | | | | 40 | 123 | |
| 2,4-Dinitrophenol | 2200 | 0 | 0 | ug/Kg | 0 | * | | | 15 | 130 | |
| 4-Nitrophenol | 2200 | 0 | 460 | ug/Kg | 21 | * | | | 30 | 132 | |
| Dibenzofuran | 1100 | 0 | 680 | ug/Kg | 62 | | | | 44 | 120 | |
| 2,4-Dinitrotoluene | 1100 | 0 | 620 | ug/Kg | 56 | | | | 48 | 126 | |
| Diethylphthalate | 1100 | 0 | 690 | ug/Kg | 63 | | | | 50 | 124 | |
| 4-Chlorophenyl-phenylether | 1100 | 0 | 660 | ug/Kg | 60 | | | | 45 | 121 | |
| Fluorene | 1100 | 0 | 680 | ug/Kg | 62 | | | | 43 | 125 | |
| 4-Nitroaniline | 1100 | 0 | 530 | ug/Kg | 48 | | | | 35 | 115 | |
| 4,6-Dinitro-2-methylphenol | 1100 | 0 | 130 | ug/Kg | 12 | * | | | 29 | 132 | |
| N-Nitrosodiphenylamine | 1100 | 0 | 840 | ug/Kg | 76 | | | | 38 | 127 | |
| 4-Bromophenyl-phenylether | 1100 | 0 | 800 | ug/Kg | 73 | | | | 46 | 124 | |
| Hexachlorobenzene | 1100 | 0 | 740 | ug/Kg | 67 | | | | 45 | 122 | |
| Atrazine | 1100 | 0 | 980 | ug/Kg | 89 | | | | 47 | 127 | |

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**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q1069

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

**Analytical Method:** SW8270E

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pentachlorophenol | 2200 | 0 | 530 | ug/Kg | 24 | * | | | 25 | 133 | |
| Phenanthrene | 1100 | 130 | 880 | ug/Kg | 68 | | | | 50 | 121 | |
| Anthracene | 1100 | 100 | 880 | ug/Kg | 71 | | | | 47 | 123 | |
| Carbazole | 1100 | 0 | 730 | ug/Kg | 66 | | | | 50 | 123 | |
| Di-n-butylphthalate | 1100 | 0 | 790 | ug/Kg | 72 | | | | 51 | 128 | |
| Fluoranthene | 1100 | 190 | 1000 | ug/Kg | 74 | | | | 50 | 127 | |
| Pyrene | 1100 | 210 | 750 | ug/Kg | 49 | | | | 47 | 127 | |
| Butylbenzylphthalate | 1100 | 0 | 610 | ug/Kg | 55 | | | | 48 | 132 | |
| 3,3-Dichlorobenzidine | 1100 | 0 | 450 | ug/Kg | 41 | | | | 22 | 121 | |
| Benzo(a)anthracene | 1100 | 160 | 920 | ug/Kg | 69 | | | | 49 | 126 | |
| Chrysene | 1100 | 130 | 830 | ug/Kg | 64 | | | | 50 | 124 | |
| bis(2-Ethylhexyl)phthalate | 1100 | 0 | 710 | ug/Kg | 65 | | | | 51 | 133 | |
| Di-n-octyl phthalate | 1100 | 0 | 860 | ug/Kg | 78 | | | | 45 | 140 | |
| Benzo(b)fluoranthene | 1100 | 230 | 990 | ug/Kg | 69 | | | | 45 | 132 | |
| Benzo(k)fluoranthene | 1100 | 110 | 910 | ug/Kg | 73 | | | | 47 | 132 | |
| Benzo(a)pyrene | 1100 | 280 | 1100 | ug/Kg | 75 | | | | 45 | 129 | |
| Indeno(1,2,3-cd)pyrene | 1100 | 130 | 660 | ug/Kg | 48 | | | | 45 | 133 | |
| Dibenz(a,h)anthracene | 1100 | 0 | 550 | ug/Kg | 50 | | | | 45 | 134 | |
| Benzo(g,h,i)perylene | 1100 | 200 | 690 | ug/Kg | 45 | | | | 43 | 134 | |
| 1,2,4,5-Tetrachlorobenzene | 1100 | 0 | 740 | ug/Kg | 67 | | | | 37 | 119 | |
| 1,4-Dioxane | 1100 | 0 | 530 | ug/Kg | 48 | * | | | 70 | 130 | |
| 2,3,4,6-Tetrachlorophenol | 1100 | 0 | 250 | ug/Kg | 23 | * | | | 44 | 125 | |

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**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q1069

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

**Analytical Method:** SW8270E

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: Q1068-01MSD** | | **Client Sample ID: TR-06-1-10-2025MSD** | | | | | | **DataFile: BF141176.D** | | | |
| Benzaldehyde | 1100 | 0 | 130 | ug/Kg | 12 | | 9 | | 10 | 161 | 20 |
| Phenol | 1100 | 0 | 700 | ug/Kg | 64 | | 12 | | 34 | 121 | 20 |
| bis(2-Chloroethyl)ether | 1100 | 0 | 700 | ug/Kg | 64 | | 5 | | 31 | 120 | 20 |
| 2-Chlorophenol | 1100 | 0 | 670 | ug/Kg | 61 | | 9 | | 34 | 121 | 20 |
| 2-Methylphenol | 1100 | 0 | 700 | ug/Kg | 64 | | 10 | | 32 | 122 | 20 |
| 2,2-oxybis(1-Chloropropane) | 1100 | 0 | 660 | ug/Kg | 60 | | 3 | | 33 | 131 | 20 |
| Acetophenone | 1100 | 0 | 690 | ug/Kg | 63 | | 0 | | 33 | 115 | 20 |
| 3+4-Methylphenols | 1100 | 0 | 710 | ug/Kg | 65 | | 11 | | 34 | 119 | 20 |
| N-Nitroso-di-n-propylamine | 1100 | 0 | 690 | ug/Kg | 63 | | 7 | | 36 | 120 | 20 |
| Hexachloroethane | 1100 | 0 | 640 | ug/Kg | 58 | | 4 | | 28 | 117 | 20 |
| Nitrobenzene | 1100 | 0 | 640 | ug/Kg | 58 | | 0 | | 34 | 122 | 20 |
| Isophorone | 1100 | 0 | 700 | ug/Kg | 64 | | 0 | | 30 | 122 | 20 |
| 2-Nitrophenol | 1100 | 0 | 550 | ug/Kg | 50 | | 4 | | 36 | 123 | 20 |
| 2,4-Dimethylphenol | 1100 | 0 | 810 | ug/Kg | 74 | | 3 | | 30 | 127 | 20 |
| bis(2-Chloroethoxy)methane | 1100 | 0 | 680 | ug/Kg | 62 | | 2 | | 36 | 121 | 20 |
| 2,4-Dichlorophenol | 1100 | 0 | 640 | ug/Kg | 58 | | 5 | | 40 | 122 | 20 |
| Naphthalene | 1100 | 0 | 700 | ug/Kg | 64 | | 2 | | 35 | 123 | 20 |
| 4-Chloroaniline | 1100 | 0 | 290 | ug/Kg | 26 | | 12 | | 17 | 106 | 20 |
| Hexachlorobutadiene | 1100 | 0 | 630 | ug/Kg | 57 | | 3 | | 32 | 123 | 20 |
| Caprolactam | 1100 | 0 | 670 | ug/Kg | 61 | | 14 | | 46 | 117 | 20 |
| 4-Chloro-3-methylphenol | 1100 | 0 | 710 | ug/Kg | 65 | | 15 | | 45 | 122 | 20 |
| 2-Methylnaphthalene | 1100 | 0 | 710 | ug/Kg | 65 | | 5 | | 38 | 122 | 20 |
| Hexachlorocyclopentadiene | 2200 | 0 | 970 | ug/Kg | 44 | | 37 | * | 43 | 112 | 20 |
| 2,4,6-Trichlorophenol | 1100 | 0 | 390 | ug/Kg | 35 | * | 0 | | 39 | 126 | 20 |
| 2,4,5-Trichlorophenol | 1100 | 0 | 510 | ug/Kg | 46 | | 2 | | 41 | 124 | 20 |
| 1,1-Biphenyl | 1100 | 0 | 720 | ug/Kg | 65 | | 3 | | 40 | 117 | 20 |
| 2-Chloronaphthalene | 1100 | 0 | 680 | ug/Kg | 62 | | 0 | | 41 | 114 | 20 |
| 2-Nitroaniline | 1100 | 0 | 730 | ug/Kg | 66 | | 5 | | 44 | 127 | 20 |
| Dimethylphthalate | 1100 | 0 | 720 | ug/Kg | 65 | | 2 | | 48 | 124 | 20 |
| Acenaphthylene | 1100 | 110 | 850 | ug/Kg | 67 | | 0 | | 32 | 132 | 20 |
| 2,6-Dinitrotoluene | 1100 | 0 | 680 | ug/Kg | 62 | | 5 | | 46 | 124 | 20 |
| 3-Nitroaniline | 1100 | 0 | 560 | ug/Kg | 51 | | 13 | | 33 | 119 | 20 |
| Acenaphthene | 1100 | 0 | 680 | ug/Kg | 62 | | 2 | | 40 | 123 | 20 |
| 2,4-Dinitrophenol | 2200 | 0 | 0 | ug/Kg | 0 | * | 0 | | 15 | 130 | 20 |
| 4-Nitrophenol | 2200 | 0 | 540 | ug/Kg | 25 | * | 17 | | 30 | 132 | 20 |
| Dibenzofuran | 1100 | 0 | 700 | ug/Kg | 64 | | 3 | | 44 | 120 | 20 |
| 2,4-Dinitrotoluene | 1100 | 0 | 700 | ug/Kg | 64 | | 13 | | 48 | 126 | 20 |
| Diethylphthalate | 1100 | 0 | 710 | ug/Kg | 65 | | 3 | | 50 | 124 | 20 |
| 4-Chlorophenyl-phenylether | 1100 | 0 | 700 | ug/Kg | 64 | | 6 | | 45 | 121 | 20 |
| Fluorene | 1100 | 0 | 720 | ug/Kg | 65 | | 5 | | 43 | 125 | 20 |
| 4-Nitroaniline | 1100 | 0 | 620 | ug/Kg | 56 | | 15 | | 35 | 115 | 20 |
| 4,6-Dinitro-2-methylphenol | 1100 | 0 | 99.8 | ug/Kg | 9 | * | 29 | * | 29 | 132 | 20 |
| N-Nitrosodiphenylamine | 1100 | 0 | 840 | ug/Kg | 76 | | 0 | | 38 | 127 | 20 |
| 4-Bromophenyl-phenylether | 1100 | 0 | 780 | ug/Kg | 71 | | 3 | | 46 | 124 | 20 |
| Hexachlorobenzene | 1100 | 0 | 740 | ug/Kg | 67 | | 0 | | 45 | 122 | 20 |
| Atrazine | 1100 | 0 | 990 | ug/Kg | 90 | | 1 | | 47 | 127 | 20 |

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**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q1069

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

**Analytical Method:** SW8270E

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pentachlorophenol | 2200 | 0 | 510 | ug/Kg | 23 | * | 4 | | 25 | 133 | 20 |
| Phenanthrene | 1100 | 130 | 890 | ug/Kg | 69 | | 1 | | 50 | 121 | 20 |
| Anthracene | 1100 | 100 | 900 | ug/Kg | 73 | | 3 | | 47 | 123 | 20 |
| Carbazole | 1100 | 0 | 730 | ug/Kg | 66 | | 0 | | 50 | 123 | 20 |
| Di-n-butylphthalate | 1100 | 0 | 780 | ug/Kg | 71 | | 1 | | 51 | 128 | 20 |
| Fluoranthene | 1100 | 190 | 930 | ug/Kg | 67 | | 10 | | 50 | 127 | 20 |
| Pyrene | 1100 | 210 | 870 | ug/Kg | 60 | | 20 | | 47 | 127 | 20 |
| Butylbenzylphthalate | 1100 | 0 | 690 | ug/Kg | 63 | | 14 | | 48 | 132 | 20 |
| 3,3-Dichlorobenzidine | 1100 | 0 | 460 | ug/Kg | 42 | | 2 | | 22 | 121 | 20 |
| Benzo(a)anthracene | 1100 | 160 | 870 | ug/Kg | 65 | | 6 | | 49 | 126 | 20 |
| Chrysene | 1100 | 130 | 900 | ug/Kg | 70 | | 9 | | 50 | 124 | 20 |
| bis(2-Ethylhexyl)phthalate | 1100 | 0 | 770 | ug/Kg | 70 | | 7 | | 51 | 133 | 20 |
| Di-n-octyl phthalate | 1100 | 0 | 830 | ug/Kg | 75 | | 4 | | 45 | 140 | 20 |
| Benzo(b)fluoranthene | 1100 | 230 | 1100 | ug/Kg | 79 | | 14 | | 45 | 132 | 20 |
| Benzo(k)fluoranthene | 1100 | 110 | 890 | ug/Kg | 71 | | 3 | | 47 | 132 | 20 |
| Benzo(a)pyrene | 1100 | 280 | 1200 | ug/Kg | 84 | | 11 | | 45 | 129 | 20 |
| Indeno(1,2,3-cd)pyrene | 1100 | 130 | 730 | ug/Kg | 55 | | 14 | | 45 | 133 | 20 |
| Dibenz(a,h)anthracene | 1100 | 0 | 610 | ug/Kg | 55 | | 10 | | 45 | 134 | 20 |
| Benzo(g,h,i)perylene | 1100 | 200 | 770 | ug/Kg | 52 | | 14 | | 43 | 134 | 20 |
| 1,2,4,5-Tetrachlorobenzene | 1100 | 0 | 720 | ug/Kg | 65 | | 3 | | 37 | 119 | 20 |
| 1,4-Dioxane | 1100 | 0 | 540 | ug/Kg | 49 | * | 2 | | 70 | 130 | 20 |
| 2,3,4,6-Tetrachlorophenol | 1100 | 0 | 290 | ug/Kg | 26 | * | 12 | | 44 | 125 | 20 |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1069

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

**Analytical Method:** 8270E **DataFile:** BF141165.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB166035BS | Benzaldehyde | 1700 | 280 | ug/Kg | 16 | | | | 10 | 161 | |
| | Phenol | 1700 | 1500 | ug/Kg | 88 | | | | 34 | 121 | |
| | bis(2-Chloroethyl)ether | 1700 | 1500 | ug/Kg | 88 | | | | 31 | 120 | |
| | 2-Chlorophenol | 1700 | 1600 | ug/Kg | 94 | | | | 34 | 121 | |
| | 2-Methylphenol | 1700 | 1500 | ug/Kg | 88 | | | | 32 | 122 | |
| | 2,2-oxybis(1-Chloropropane) | 1700 | 1500 | ug/Kg | 88 | | | | 33 | 131 | |
| | Acetophenone | 1700 | 1500 | ug/Kg | 88 | | | | 33 | 115 | |
| | 3+4-Methylphenols | 1700 | 1500 | ug/Kg | 88 | | | | 34 | 119 | |
| | N-Nitroso-di-n-propylamine | 1700 | 1500 | ug/Kg | 88 | | | | 36 | 120 | |
| | Hexachloroethane | 1700 | 1500 | ug/Kg | 88 | | | | 28 | 117 | |
| | Nitrobenzene | 1700 | 1400 | ug/Kg | 82 | | | | 34 | 122 | |
| | Isophorone | 1700 | 1500 | ug/Kg | 88 | | | | 30 | 122 | |
| | 2-Nitrophenol | 1700 | 1600 | ug/Kg | 94 | | | | 36 | 123 | |
| | 2,4-Dimethylphenol | 1700 | 1800 | ug/Kg | 106 | | | | 30 | 127 | |
| | bis(2-Chloroethoxy)methane | 1700 | 1500 | ug/Kg | 88 | | | | 36 | 121 | |
| | 2,4-Dichlorophenol | 1700 | 1600 | ug/Kg | 94 | | | | 40 | 122 | |
| | Naphthalene | 1700 | 1500 | ug/Kg | 88 | | | | 35 | 123 | |
| | 4-Chloroaniline | 1700 | 740 | ug/Kg | 44 | | | | 17 | 106 | |
| | Hexachlorobutadiene | 1700 | 1500 | ug/Kg | 88 | | | | 32 | 123 | |
| | Caprolactam | 1700 | 1500 | ug/Kg | 88 | | | | 46 | 117 | |
| | 4-Chloro-3-methylphenol | 1700 | 1600 | ug/Kg | 94 | | | | 45 | 122 | |
| | 2-Methylnaphthalene | 1700 | 1500 | ug/Kg | 88 | | | | 38 | 122 | |
| | Hexachlorocyclopentadiene | 3300 | 5900 | ug/Kg | 179 | | * | | 43 | 112 | |
| | 2,4,6-Trichlorophenol | 1700 | 1600 | ug/Kg | 94 | | | | 39 | 126 | |
| | 2,4,5-Trichlorophenol | 1700 | 1500 | ug/Kg | 88 | | | | 41 | 124 | |
| | 1,1-Biphenyl | 1700 | 1500 | ug/Kg | 88 | | | | 40 | 117 | |
| | 2-Chloronaphthalene | 1700 | 1500 | ug/Kg | 88 | | | | 41 | 114 | |
| | 2-Nitroaniline | 1700 | 1600 | ug/Kg | 94 | | | | 44 | 127 | |
| | Dimethylphthalate | 1700 | 1500 | ug/Kg | 88 | | | | 48 | 124 | |
| | Acenaphthylene | 1700 | 1600 | ug/Kg | 94 | | | | 32 | 132 | |
| | 2,6-Dinitrotoluene | 1700 | 1500 | ug/Kg | 88 | | | | 46 | 124 | |
| | 3-Nitroaniline | 1700 | 940 | ug/Kg | 55 | | | | 33 | 119 | |
| | Acenaphthene | 1700 | 1700 | ug/Kg | 100 | | | | 40 | 123 | |
| | 2,4-Dinitrophenol | 3300 | 3600 | ug/Kg | 109 | | | | 15 | 130 | |
| | 4-Nitrophenol | 3300 | 3400 | ug/Kg | 103 | | | | 30 | 132 | |
| | Dibenzofuran | 1700 | 1500 | ug/Kg | 88 | | | | 44 | 120 | |
| | 2,4-Dinitrotoluene | 1700 | 1600 | ug/Kg | 94 | | | | 48 | 126 | |
| | Diethylphthalate | 1700 | 1500 | ug/Kg | 88 | | | | 50 | 124 | |
| | 4-Chlorophenyl-phenylether | 1700 | 1500 | ug/Kg | 88 | | | | 45 | 121 | |
| | Fluorene | 1700 | 1500 | ug/Kg | 88 | | | | 43 | 125 | |
| | 4-Nitroaniline | 1700 | 1600 | ug/Kg | 94 | | | | 35 | 115 | |
| | 4,6-Dinitro-2-methylphenol | 1700 | 1800 | ug/Kg | 106 | | | | 29 | 132 | |
| | N-Nitrosodiphenylamine | 1700 | 1500 | ug/Kg | 88 | | | | 38 | 127 | |
| | 4-Bromophenyl-phenylether | 1700 | 1500 | ug/Kg | 88 | | | | 46 | 124 | |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1069

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

**Analytical Method:** 8270E **DataFile:** BF141165.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB166035BS | Hexachlorobenzene | 1700 | 1600 | ug/Kg | 94 | | | | 45 | 122 | |
| | Atrazine | 1700 | 2000 | ug/Kg | 118 | | | | 47 | 127 | |
| | Pentachlorophenol | 3300 | 3200 | ug/Kg | 97 | | | | 25 | 133 | |
| | Phenanthrene | 1700 | 1600 | ug/Kg | 94 | | | | 50 | 121 | |
| | Anthracene | 1700 | 1700 | ug/Kg | 100 | | | | 47 | 123 | |
| | Carbazole | 1700 | 1700 | ug/Kg | 100 | | | | 50 | 123 | |
| | Di-n-butylphthalate | 1700 | 1600 | ug/Kg | 94 | | | | 51 | 128 | |
| | Fluoranthene | 1700 | 1700 | ug/Kg | 100 | | | | 50 | 127 | |
| | Pyrene | 1700 | 1500 | ug/Kg | 88 | | | | 47 | 127 | |
| | Butylbenzylphthalate | 1700 | 1600 | ug/Kg | 94 | | | | 48 | 132 | |
| | 3,3-Dichlorobenzidine | 1700 | 1000 | ug/Kg | 59 | | | | 22 | 121 | |
| | Benzo(a)anthracene | 1700 | 1600 | ug/Kg | 94 | | | | 49 | 126 | |
| | Chrysene | 1700 | 1500 | ug/Kg | 88 | | | | 50 | 124 | |
| | bis(2-Ethylhexyl)phthalate | 1700 | 1600 | ug/Kg | 94 | | | | 51 | 133 | |
| | Di-n-octyl phthalate | 1700 | 1500 | ug/Kg | 88 | | | | 45 | 140 | |
| | Benzo(b)fluoranthene | 1700 | 1600 | ug/Kg | 94 | | | | 45 | 132 | |
| | Benzo(k)fluoranthene | 1700 | 1600 | ug/Kg | 94 | | | | 47 | 132 | |
| | Benzo(a)pyrene | 1700 | 1700 | ug/Kg | 100 | | | | 45 | 129 | |
| | Indeno(1,2,3-cd)pyrene | 1700 | 1500 | ug/Kg | 88 | | | | 45 | 133 | |
| | Dibenz(a,h)anthracene | 1700 | 1500 | ug/Kg | 88 | | | | 45 | 134 | |
| | Benzo(g,h,i)perylene | 1700 | 1400 | ug/Kg | 82 | | | | 43 | 134 | |
| | 1,2,4,5-Tetrachlorobenzene | 1700 | 1500 | ug/Kg | 88 | | | | 37 | 119 | |
| | 1,4-Dioxane | 1700 | 1300 | ug/Kg | 76 | | | | 70 | 130 | |
| | 2,3,4,6-Tetrachlorophenol | 1700 | 1600 | ug/Kg | 94 | | | | 44 | 125 | |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1069

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

**Analytical Method:** 8270E **DataFile:** BF141172.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB166061BS | Benzaldehyde | 1700 | 310 | ug/Kg | 18 | | | | 10 | 161 | |
| | Phenol | 1700 | 1700 | ug/Kg | 100 | | | | 34 | 121 | |
| | bis(2-Chloroethyl)ether | 1700 | 1600 | ug/Kg | 94 | | | | 31 | 120 | |
| | 2-Chlorophenol | 1700 | 1700 | ug/Kg | 100 | | | | 34 | 121 | |
| | 2-Methylphenol | 1700 | 1700 | ug/Kg | 100 | | | | 32 | 122 | |
| | 2,2-oxybis(1-Chloropropane) | 1700 | 1600 | ug/Kg | 94 | | | | 33 | 131 | |
| | Acetophenone | 1700 | 1700 | ug/Kg | 100 | | | | 33 | 115 | |
| | 3+4-Methylphenols | 1700 | 1700 | ug/Kg | 100 | | | | 34 | 119 | |
| | N-Nitroso-di-n-propylamine | 1700 | 1600 | ug/Kg | 94 | | | | 36 | 120 | |
| | Hexachloroethane | 1700 | 1600 | ug/Kg | 94 | | | | 28 | 117 | |
| | Nitrobenzene | 1700 | 1600 | ug/Kg | 94 | | | | 34 | 122 | |
| | Isophorone | 1700 | 1700 | ug/Kg | 100 | | | | 30 | 122 | |
| | 2-Nitrophenol | 1700 | 1800 | ug/Kg | 106 | | | | 36 | 123 | |
| | 2,4-Dimethylphenol | 1700 | 2000 | ug/Kg | 118 | | | | 30 | 127 | |
| | bis(2-Chloroethoxy)methane | 1700 | 1600 | ug/Kg | 94 | | | | 36 | 121 | |
| | 2,4-Dichlorophenol | 1700 | 1700 | ug/Kg | 100 | | | | 40 | 122 | |
| | Naphthalene | 1700 | 1700 | ug/Kg | 100 | | | | 35 | 123 | |
| | 4-Chloroaniline | 1700 | 690 | ug/Kg | 41 | | | | 17 | 106 | |
| | Hexachlorobutadiene | 1700 | 1600 | ug/Kg | 94 | | | | 32 | 123 | |
| | Caprolactam | 1700 | 1700 | ug/Kg | 100 | | | | 46 | 117 | |
| | 4-Chloro-3-methylphenol | 1700 | 1700 | ug/Kg | 100 | | | | 45 | 122 | |
| | 2-Methylnaphthalene | 1700 | 1700 | ug/Kg | 100 | | | | 38 | 122 | |
| | Hexachlorocyclopentadiene | 3300 | 6300 | ug/Kg | 191 | | * | | 43 | 112 | |
| | 2,4,6-Trichlorophenol | 1700 | 1800 | ug/Kg | 106 | | | | 39 | 126 | |
| | 2,4,5-Trichlorophenol | 1700 | 1700 | ug/Kg | 100 | | | | 41 | 124 | |
| | 1,1-Biphenyl | 1700 | 1700 | ug/Kg | 100 | | | | 40 | 117 | |
| | 2-Chloronaphthalene | 1700 | 1600 | ug/Kg | 94 | | | | 41 | 114 | |
| | 2-Nitroaniline | 1700 | 1700 | ug/Kg | 100 | | | | 44 | 127 | |
| | Dimethylphthalate | 1700 | 1700 | ug/Kg | 100 | | | | 48 | 124 | |
| | Acenaphthylene | 1700 | 1800 | ug/Kg | 106 | | | | 32 | 132 | |
| | 2,6-Dinitrotoluene | 1700 | 1700 | ug/Kg | 100 | | | | 46 | 124 | |
| | 3-Nitroaniline | 1700 | 960 | ug/Kg | 56 | | | | 33 | 119 | |
| | Acenaphthene | 1700 | 1900 | ug/Kg | 112 | | | | 40 | 123 | |
| | 2,4-Dinitrophenol | 3300 | 4100 | ug/Kg | 124 | | | | 15 | 130 | |
| | 4-Nitrophenol | 3300 | 3700 | ug/Kg | 112 | | | | 30 | 132 | |
| | Dibenzofuran | 1700 | 1700 | ug/Kg | 100 | | | | 44 | 120 | |
| | 2,4-Dinitrotoluene | 1700 | 1800 | ug/Kg | 106 | | | | 48 | 126 | |
| | Diethylphthalate | 1700 | 1700 | ug/Kg | 100 | | | | 50 | 124 | |
| | 4-Chlorophenyl-phenylether | 1700 | 1700 | ug/Kg | 100 | | | | 45 | 121 | |
| | Fluorene | 1700 | 1700 | ug/Kg | 100 | | | | 43 | 125 | |
| | 4-Nitroaniline | 1700 | 1700 | ug/Kg | 100 | | | | 35 | 115 | |
| | 4,6-Dinitro-2-methylphenol | 1700 | 2000 | ug/Kg | 118 | | | | 29 | 132 | |
| | N-Nitrosodiphenylamine | 1700 | 1700 | ug/Kg | 100 | | | | 38 | 127 | |
| | 4-Bromophenyl-phenylether | 1700 | 1700 | ug/Kg | 100 | | | | 46 | 124 | |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1069

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

**Analytical Method:** 8270E **DataFile:** BF141172.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB166061BS | Hexachlorobenzene | 1700 | 1800 | ug/Kg | 106 | | | | 45 | 122 | |
| | Atrazine | 1700 | 2200 | ug/Kg | 129 | | * | | 47 | 127 | |
| | Pentachlorophenol | 3300 | 3500 | ug/Kg | 106 | | | | 25 | 133 | |
| | Phenanthrene | 1700 | 1800 | ug/Kg | 106 | | | | 50 | 121 | |
| | Anthracene | 1700 | 1900 | ug/Kg | 112 | | | | 47 | 123 | |
| | Carbazole | 1700 | 1800 | ug/Kg | 106 | | | | 50 | 123 | |
| | Di-n-butylphthalate | 1700 | 1700 | ug/Kg | 100 | | | | 51 | 128 | |
| | Fluoranthene | 1700 | 1900 | ug/Kg | 112 | | | | 50 | 127 | |
| | Pyrene | 1700 | 1700 | ug/Kg | 100 | | | | 47 | 127 | |
| | Butylbenzylphthalate | 1700 | 1800 | ug/Kg | 106 | | | | 48 | 132 | |
| | 3,3-Dichlorobenzidine | 1700 | 1100 | ug/Kg | 65 | | | | 22 | 121 | |
| | Benzo(a)anthracene | 1700 | 1700 | ug/Kg | 100 | | | | 49 | 126 | |
| | Chrysene | 1700 | 1700 | ug/Kg | 100 | | | | 50 | 124 | |
| | bis(2-Ethylhexyl)phthalate | 1700 | 1700 | ug/Kg | 100 | | | | 51 | 133 | |
| | Di-n-octyl phthalate | 1700 | 1700 | ug/Kg | 100 | | | | 45 | 140 | |
| | Benzo(b)fluoranthene | 1700 | 1800 | ug/Kg | 106 | | | | 45 | 132 | |
| | Benzo(k)fluoranthene | 1700 | 1800 | ug/Kg | 106 | | | | 47 | 132 | |
| | Benzo(a)pyrene | 1700 | 1900 | ug/Kg | 112 | | | | 45 | 129 | |
| | Indeno(1,2,3-cd)pyrene | 1700 | 1700 | ug/Kg | 100 | | | | 45 | 133 | |
| | Dibenz(a,h)anthracene | 1700 | 1700 | ug/Kg | 100 | | | | 45 | 134 | |
| | Benzo(g,h,i)perylene | 1700 | 1500 | ug/Kg | 88 | | | | 43 | 134 | |
| | 1,2,4,5-Tetrachlorobenzene | 1700 | 1700 | ug/Kg | 100 | | | | 37 | 119 | |
| | 1,4-Dioxane | 1700 | 1400 | ug/Kg | 82 | | | | 70 | 130 | |
| | 2,3,4,6-Tetrachlorophenol | 1700 | 1800 | ug/Kg | 106 | | | | 44 | 125 | |

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166035BL

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

Lab File ID: BF141169.D Lab Sample ID: PB166035BL

Instrument ID: BNA_F Date Extracted: 01/13/2025

Matrix: (soil/water) SOIL Date Analyzed: 01/15/2025

Level: (low/med) LOW Time Analyzed: 12:11

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| PB166035BS | PB166035BS | BF141165.D | 01/15/2025 |
| TR-06-1-10-2025MS | Q1068-01MS | BF141175.D | 01/15/2025 |
| TR-06-1-10-2025MSD | Q1068-01MSD | BF141176.D | 01/15/2025 |
| RW7B-CARBON-20250109 | Q1069-01 | BF141173.D | 01/15/2025 |

COMMENTS:

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4B

# SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166061BL

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

Lab File ID: BF141171.D Lab Sample ID: PB166061BL

Instrument ID: BNA_F Date Extracted: 01/15/2025

Matrix: (soil/water) SOIL Date Analyzed: 01/15/2025

Level: (low/med) LOW Time Analyzed: 13:12

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| PB166061BS | PB166061BS | BF141172.D | 01/15/2025 |
| RW7B-CARBON-20250109RX | Q1069-01RX | BF141174.D | 01/15/2025 |

COMMENTS:

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**5B**

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

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q1069 SDG NO.: Q1069

Lab File ID: BF141108.D DFTPP Injection Date: 01/10/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:32

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 39.2 |
| 68 | Less than 2.0% of mass 69 | 0.7 ( 1.8 ) 1 |
| 69 | Mass 69 relative abundance | 38 |
| 70 | Less than 2.0% of mass 69 | 0.3 ( 0.7 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 49.8 |
| 197 | Less than 2.0% of mass 198 | 0.0 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.6 |
| 275 | 10.0 - 60.0% of mass 198 | 27.9 |
| 365 | Greater than 1% of mass 198 | 3.5 |
| 441 | Present, but less than mass 443 | 13.9 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 17.1 (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 | BF141109.D | 01/10/2025 | 11:58 |
| SSTDICC005 | SSTDICC005 | BF141110.D | 01/10/2025 | 12:25 |
| SSTDICC010 | SSTDICC010 | BF141111.D | 01/10/2025 | 13:17 |
| SSTDICC020 | SSTDICC020 | BF141112.D | 01/10/2025 | 14:10 |
| SSTDICCC040 | SSTDICCC040 | BF141113.D | 01/10/2025 | 14:36 |
| SSTDICC050 | SSTDICC050 | BF141117.D | 01/10/2025 | 16:53 |
| SSTDICC060 | SSTDICC060 | BF141118.D | 01/10/2025 | 17:19 |
| SSTDICC080 | SSTDICC080 | BF141119.D | 01/10/2025 | 17:45 |

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**5B**

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

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q1069 SDG NO.: Q1069

Lab File ID: BF141162.D DFTPP Injection Date: 01/15/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:08

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 36.0 |
| 68 | Less than 2.0% of mass 69 | 0.6 ( 1.9 ) 1 |
| 69 | Mass 69 relative abundance | 35.5 |
| 70 | Less than 2.0% of mass 69 | 0.3 ( 0.8 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 48.1 |
| 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 | 6.9 |
| 275 | 10.0 - 60.0% of mass 198 | 30.4 |
| 365 | Greater than 1% of mass 198 | 3.8 |
| 441 | Present, but less than mass 443 | 15.8 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 18.5 (18.5) 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 | BF141163.D | 01/15/2025 | 09:34 |
| PB166035BS | PB166035BS | BF141165.D | 01/15/2025 | 10:26 |
| PB166035BL | PB166035BL | BF141169.D | 01/15/2025 | 12:11 |
| PB166061BL | PB166061BL | BF141171.D | 01/15/2025 | 13:12 |
| PB166061BS | PB166061BS | BF141172.D | 01/15/2025 | 13:38 |
| RW7B-CARBON-20250109 | Q1069-01 | BF141173.D | 01/15/2025 | 14:13 |
| RW7B-CARBON-20250109RX | Q1069-01RX | BF141174.D | 01/15/2025 | 14:39 |
| TR-06-1-10-2025MS | Q1068-01MS | BF141175.D | 01/15/2025 | 15:05 |
| TR-06-1-10-2025MSD | Q1068-01MSD | BF141176.D | 01/15/2025 | 16:40 |
| SSTDCCC040EC | SSTDCCC040 | BF141177.D | 01/15/2025 | 17:10 |

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/15/2025

Lab File ID: BF141163.D Time Analyzed: 09:34

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 | 160442 | 6.822 | 621128 | 8.10 | 331065 | 9.86 |
| | UPPER LIMIT | 320884 | 7.322 | 1242260 | 8.604 | 662130 | 10.363 |
| | LOWER LIMIT | 80221 | 6.322 | 310564 | 7.604 | 165533 | 9.363 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB166035BS | 141578 | 6.82 | 559409 | 8.10 | 296383 | 9.86 |
| 02 | PB166035BL | 136764 | 6.82 | 539364 | 8.10 | 276861 | 9.86 |
| 03 | PB166061BL | 139696 | 6.82 | 549482 | 8.10 | 287376 | 9.86 |
| 04 | PB166061BS | 125655 | 6.82 | 494978 | 8.10 | 264175 | 9.86 |
| 05 | TR-06-1-10-2025MS | 151239 | 6.82 | 561441 | 8.10 | 265282 | 9.86 |
| 06 | TR-06-1-10-2025MSD | 143081 | 6.82 | 569188 | 8.10 | 294771 | 9.86 |
| 07 | RW7B-CARBON-20250109 | 131077 | 6.82 | 520865 | 8.10 | 287776 | 9.86 |
| 08 | RW7B-CARBON-20250109RX | 130568 | 6.82 | 511298 | 8.10 | 277574 | 9.86 |

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.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/15/2025

Lab File ID: BF141163.D Time Analyzed: 09:34

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 | 558521 | 11.345 | 351337 | 13.986 | 315529 | 15.445 |
| | UPPER LIMIT | 1117040 | 11.845 | 702674 | 14.486 | 631058 | 15.945 |
| | LOWER LIMIT | 279261 | 10.845 | 175669 | 13.486 | 157765 | 14.945 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB166035BS | 515619 | 11.35 | 346259 | 13.99 | 300143 | 15.45 |
| 02 | PB166035BL | 476305 | 11.34 | 381699 | 13.98 | 303475 | 15.44 |
| 03 | PB166061BL | 484833 | 11.35 | 391933 | 13.98 | 312524 | 15.45 |
| 04 | PB166061BS | 452645 | 11.35 | 303424 | 13.99 | 262459 | 15.45 |
| 05 | TR-06-1-10-2025MS | 349564 | 11.35 | 322664 | 13.99 | 314686 | 15.45 |
| 06 | TR-06-1-10-2025MSD | 427420 | 11.35 | 307236 | 13.99 | 256318 | 15.47 |
| 07 | RW7B-CARBON-20250109 | 491216 | 11.34 | 326348 | 13.98 | 301825 | 15.44 |
| 08 | RW7B-CARBON-20250109RX | 450100 | 11.34 | 280945 | 13.98 | 283392 | 15.44 |

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: **BF141173.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 01/09/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 01/09/25 |
| Client Sample ID: | RW7B-CARBON-20250109 | SDG No.: | Q1069 |
| Lab Sample ID: | Q1069-01 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 55.6 |
| Sample Wt/Vol: | 30.03 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 |
|---|---|---|---|---|
| BF141173.D | 1 | 01/13/25 08:54 | 01/15/25 14:13 | PB166035 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 490 | U | 330 | 490 | 590 | ug/Kg |
| 108-95-2 | Phenol | 230 | U | 150 | 230 | 310 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 230 | U | 150 | 230 | 310 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 230 | U | 150 | 230 | 310 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 230 | U | 140 | 230 | 310 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 230 | U | 160 | 230 | 310 | ug/Kg |
| 98-86-2 | Acetophenone | 230 | U | 160 | 230 | 310 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 490 | U | 140 | 490 | 590 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 140 | U | 72.4 | 140 | 140 | ug/Kg |
| 67-72-1 | Hexachloroethane | 230 | U | 150 | 230 | 310 | ug/Kg |
| 98-95-3 | Nitrobenzene | 230 | U | 160 | 230 | 310 | ug/Kg |
| 78-59-1 | Isophorone | 230 | U | 150 | 230 | 310 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 230 | U | 170 | 230 | 310 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 230 | U | 170 | 230 | 310 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 230 | U | 150 | 230 | 310 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 230 | U | 140 | 230 | 310 | ug/Kg |
| 91-20-3 | Naphthalene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 230 | U | 150 | 230 | 310 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 105-60-2 | Caprolactam | 490 | U | 160 | 490 | 590 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 230 | U | 140 | 230 | 310 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 490 | UQ | 280 | 490 | 590 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 230 | U | 130 | 230 | 310 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 230 | U | 130 | 230 | 310 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 230 | U | 160 | 230 | 310 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 230 | U | 170 | 230 | 310 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 230 | U | 150 | 230 | 310 | ug/Kg |

Raw Data: **BF141173.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 01/09/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 01/09/25 |
| Client Sample ID: | RW7B-CARBON-20250109 | SDG No.: | Q1069 |
| Lab Sample ID: | Q1069-01 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 55.6 |
| Sample Wt/Vol: | 30.03 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 |
|---|---|---|---|---|
| BF141173.D | 1 | 01/13/25 08:54 | 01/15/25 14:13 | PB166035 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 230 | U | 160 | 230 | 310 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 230 | U | 160 | 230 | 310 | ug/Kg |
| 83-32-9 | Acenaphthene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 490 | U | 440 | 490 | 590 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 490 | U | 210 | 490 | 590 | ug/Kg |
| 132-64-9 | Dibenzofuran | 230 | U | 150 | 230 | 310 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 84-66-2 | Diethylphthalate | 230 | U | 140 | 230 | 310 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 230 | U | 150 | 230 | 310 | ug/Kg |
| 86-73-7 | Fluorene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 230 | U | 190 | 230 | 310 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 490 | U | 210 | 490 | 590 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 230 | U | 150 | 230 | 310 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 230 | U | 140 | 230 | 310 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 1912-24-9 | Atrazine | 230 | U | 160 | 230 | 310 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 490 | U | 140 | 490 | 590 | ug/Kg |
| 85-01-8 | Phenanthrene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 120-12-7 | Anthracene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 86-74-8 | Carbazole | 230 | U | 140 | 230 | 310 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 230 | U | 150 | 230 | 310 | ug/Kg |
| 206-44-0 | Fluoranthene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 129-00-0 | Pyrene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 230 | U | 170 | 230 | 310 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 490 | U | 180 | 490 | 590 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 230 | U | 140 | 230 | 310 | ug/Kg |
| 218-01-9 | Chrysene | 230 | U | 140 | 230 | 310 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 280 | J | 160 | 230 | 310 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 490 | U | 200 | 490 | 590 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 230 | U | 150 | 230 | 310 | ug/Kg |

Raw Data: **BF141173.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 01/09/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 01/09/25 |
| Client Sample ID: | RW7B-CARBON-20250109 | SDG No.: | Q1069 |
| Lab Sample ID: | Q1069-01 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 55.6 |
| Sample Wt/Vol: | 30.03 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 |
|---|---|---|---|---|
| BF141173.D | 1 | 01/13/25 08:54 | 01/15/25 14:13 | PB166035 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 230 | U | 170 | 230 | 310 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 230 | U | 140 | 230 | 310 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 230 | U | 140 | 230 | 310 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 230 | U | 160 | 230 | 310 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 230 | U | 200 | 230 | 310 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 230 | U | 130 | 230 | 310 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 7.86 | * | 35 - 115 | | 5% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 8.17 | * | 34 - 127 | | 5% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 8.53 | * | 37 - 122 | | 9% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 8.53 | * | 44 - 115 | | 9% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 9.68 | * | 39 - 132 | | 6% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 7.98 | * | 54 - 127 | | 8% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 131000 | 6.822 | | | | |
| 1146-65-2 | Naphthalene-d8 | 521000 | 8.104 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 288000 | 9.857 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 491000 | 11.339 | | | | |
| 1719-03-5 | Chrysene-d12 | 326000 | 13.98 | | | | |
| 1520-96-3 | Perylene-d12 | 302000 | 15.439 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 000995-82-4 | Hexasiloxane, 1,1,3,3,5,5,7,7,9,9, | 320 | J | | | 2.14 | ug/Kg |
| 000079-01-6 | Trichloroethylene | 14000 | J | | | 2.43 | ug/Kg |
| 110-86-1 | Pyridine | 230 | J | | | 3.31 | ug/Kg |
| 000079-00-5 | Ethane, 1,1,2-trichloro- | 2000 | J | | | 4.09 | ug/Kg |
| 000629-15-2 | 1,2-Ethanediol, diformate | 1800 | J | | | 4.99 | ug/Kg |
| 000123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 230 | AB | | | 5.03 | ug/Kg |
| 000119-61-9 | Benzophenone | 290 | J | | | 10.6 | ug/Kg |

Raw Data: **BF141173.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 01/09/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 01/09/25 |
| Client Sample ID: | RW7B-CARBON-20250109 | SDG No.: | Q1069 |
| Lab Sample ID: | Q1069-01 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 55.6 |
| Sample Wt/Vol: | 30.03 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 |
|---|---|---|---|---|
| BF141173.D | 1 | 01/13/25 08:54 | 01/15/25 14:13 | PB166035 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 000057-10-3 | n-Hexadecanoic acid | 260 | J | | | 11.9 | 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\BF011525\
Data File : BF141173.D
Acq On : 15 Jan 2025 14:13
Operator : RC/JU
Sample : Q1069-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109

Quant Time: Jan 15 14:34:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

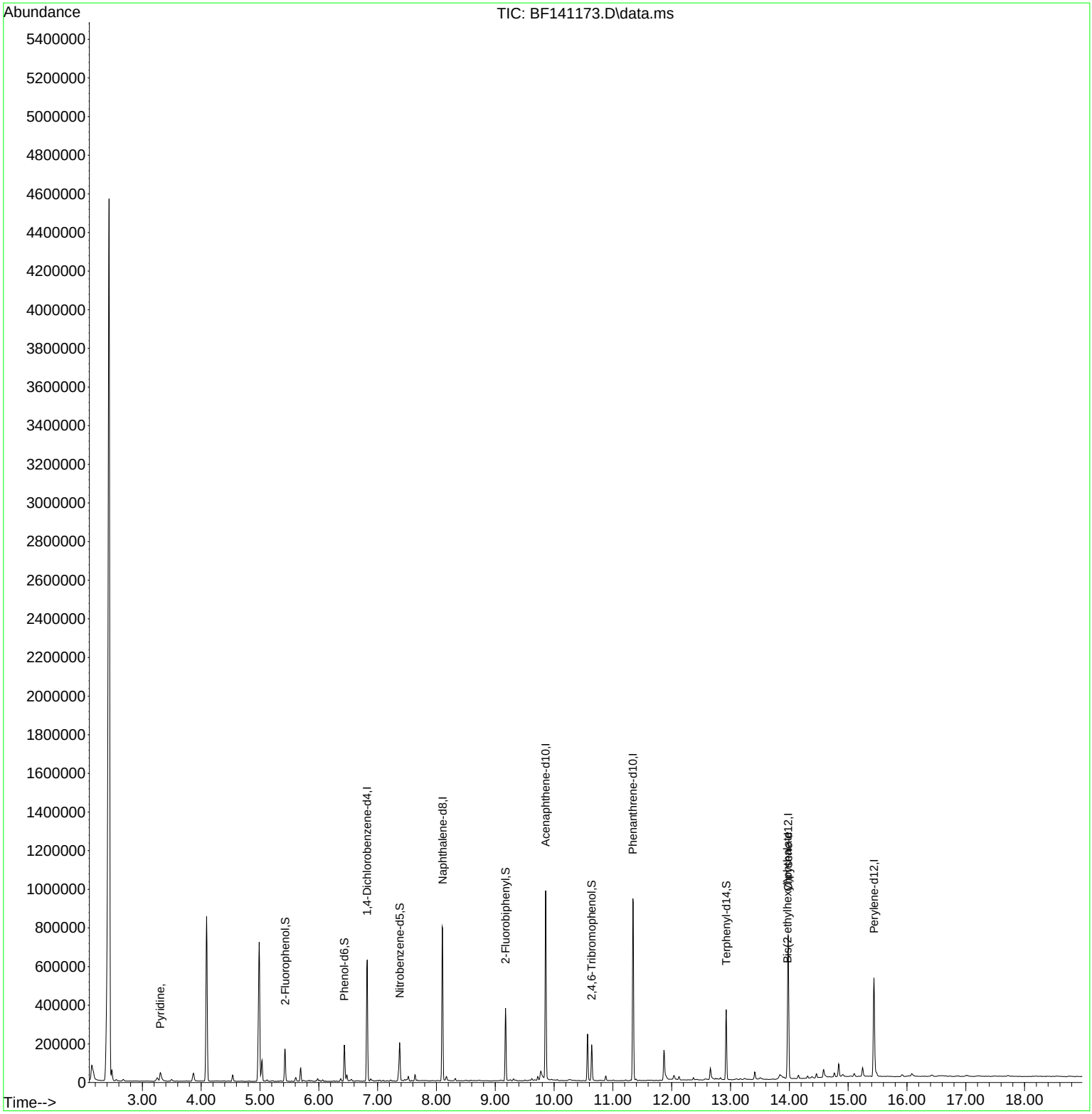
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 131077 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 520865 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.857 | 164 | 287776 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.339 | 188 | 491216 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.980 | 240 | 326348 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.439 | 264 | 301825 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.428 | 112 | 66661 | 7.856 | ng | 0.00 |
| 7) Phenol-d6 | 6.434 | 99 | 87820 | 8.171 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.375 | 82 | 83781 | 8.526 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.639 | 330 | 31725 | 9.675 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 9.175 | 172 | 160676 | 8.526 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.927 | 244 | 175195 | 7.979 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 3) Pyridine | 3.305 | 79 | 36219 | 3.909 | ng | 97 |
| 84) Bis(2-ethylhexyl)phtha... | 13.969 | 149 | 57753 | 4.632 | ng | 96 |

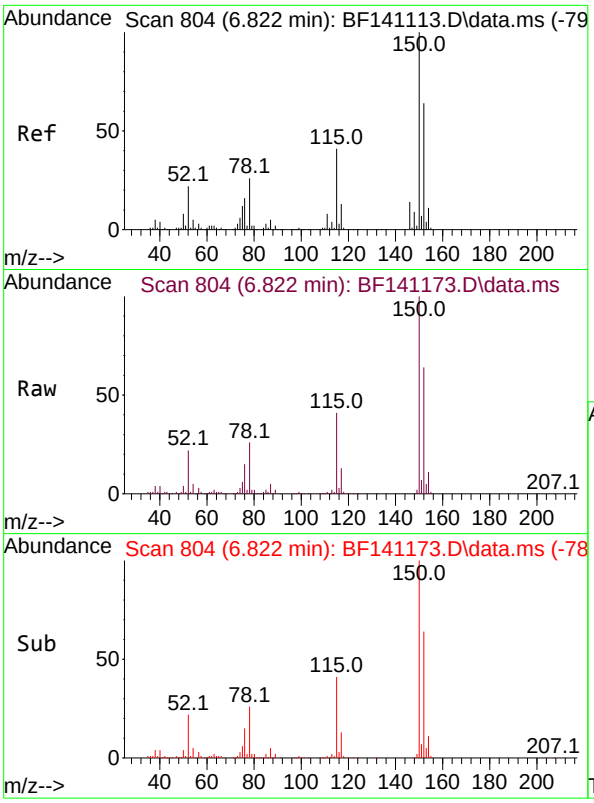
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141173.D
Acq On : 15 Jan 2025 14:13
Operator : RC/JU
Sample : Q1069-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109

Quant Time: Jan 15 14:34:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



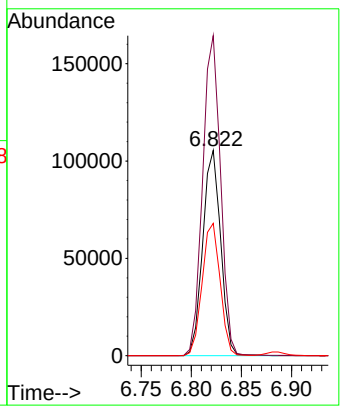


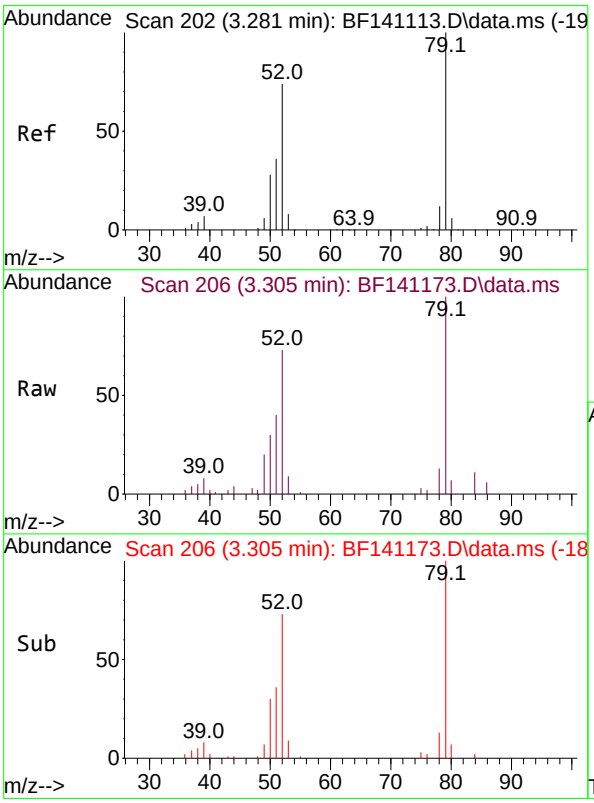

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141173.D
Acq: 15 Jan 2025 14:13

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109

Tgt Ion:152 Resp: 131077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.9 | 125.8 | 188.8 |
| 115 | 64.5 | 51.4 | 77.2 |

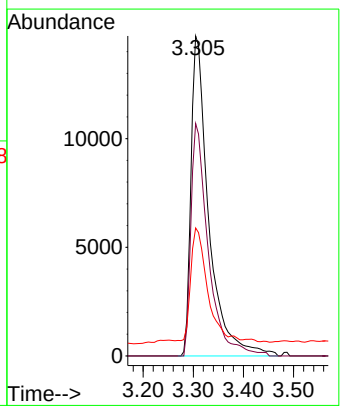


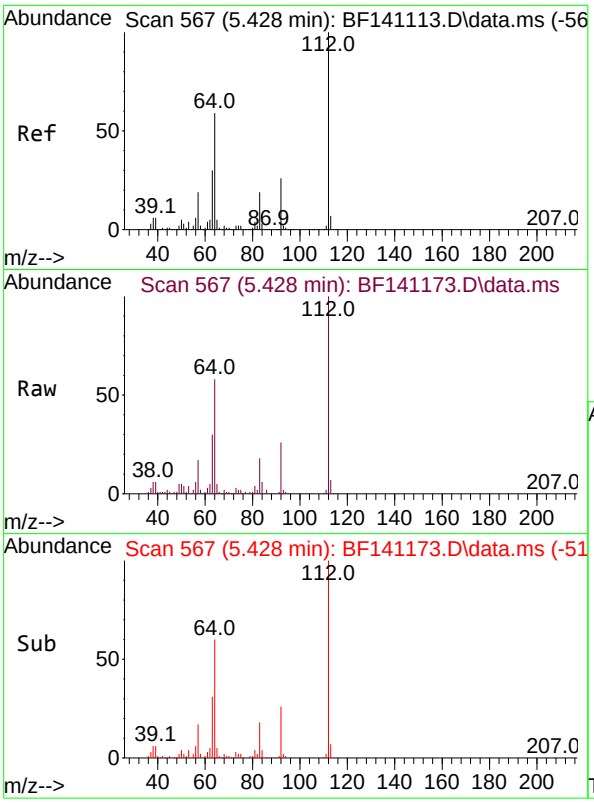




#3
Pyridine
Concen: 3.909 ng
RT: 3.305 min Scan# 206
Delta R.T. 0.024 min
Lab File: BF141173.D
Acq: 15 Jan 2025 14:13

Tgt Ion: 79 Resp: 36219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 72.6 | 58.9 | 88.3 |
| 51 | 40.0 | 29.1 | 43.7 |



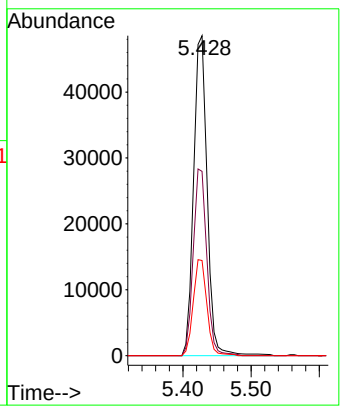


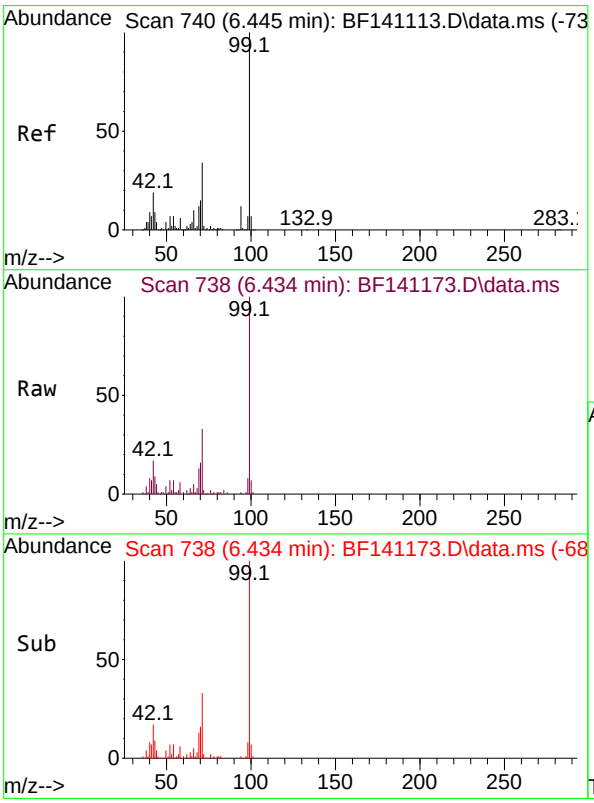

#5
2-Fluorophenol
Concen: 7.856 ng
RT: 5.428 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141173.D
Acq: 15 Jan 2025 14:13

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109

Tgt Ion:112 Resp: 66661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.6 | 47.3 | 70.9 |
| 63 | 29.8 | 24.2 | 36.2 |

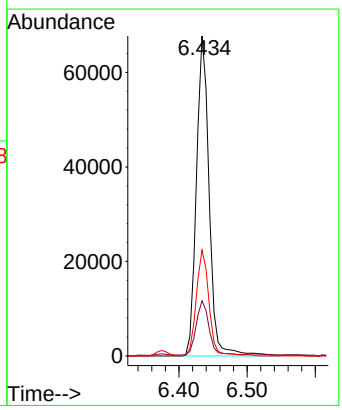


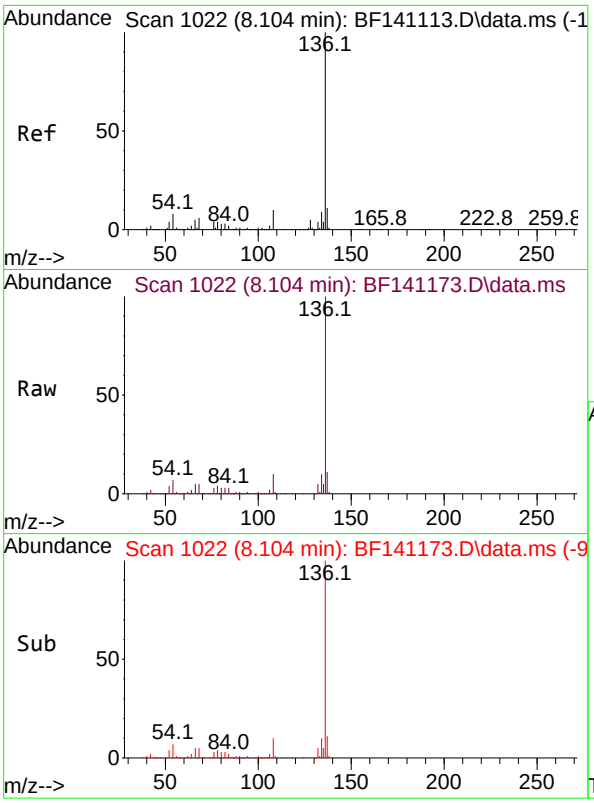




#7
Phenol-d6
Concen: 8.171 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF141173.D
Acq: 15 Jan 2025 14:13

Tgt Ion: 99 Resp: 87820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.2 | 15.0 | 22.4 |
| 71 | 33.1 | 27.6 | 41.4 |



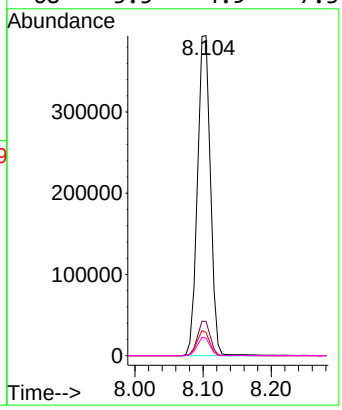


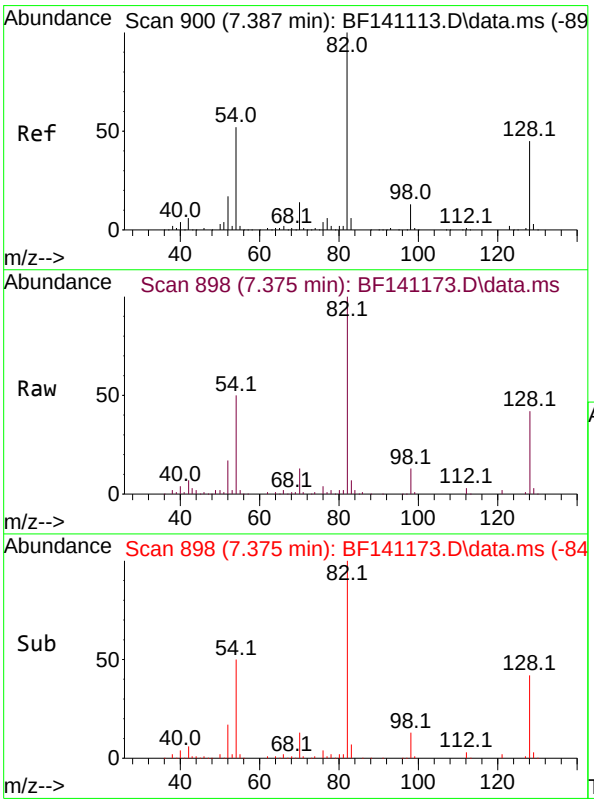

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141173.D
Acq: 15 Jan 2025 14:13

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109

Tgt Ion:136 Resp: 520865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.8 | 13.2 |
| 54 | 7.2 | 6.3 | 9.5 |
| 68 | 5.5 | 4.9 | 7.3 |

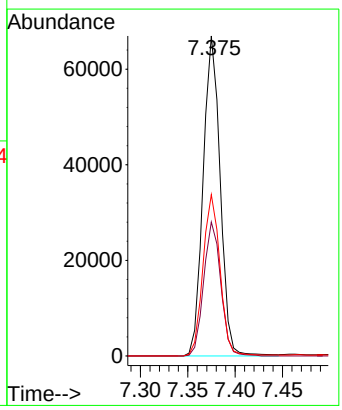


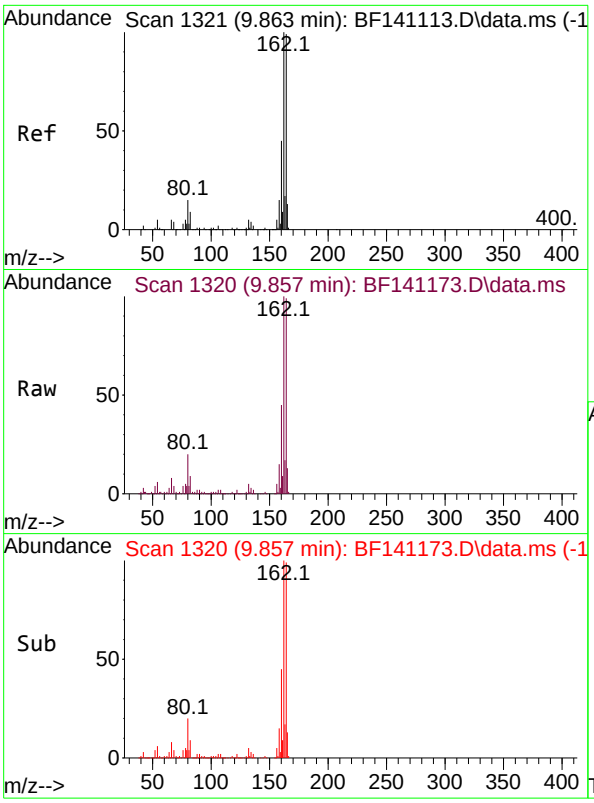




#23
Nitrobenzene-d5
Concen: 8.526 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF141173.D
Acq: 15 Jan 2025 14:13

Tgt Ion: 82 Resp: 83781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.9 | 36.1 | 54.1 |
| 54 | 50.4 | 41.0 | 61.4 |



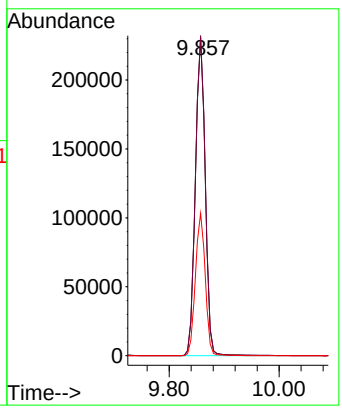


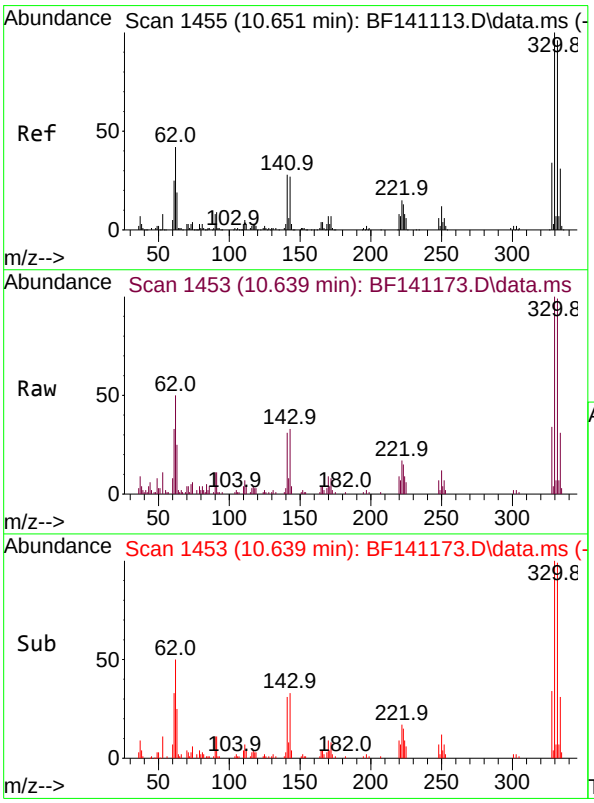

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141173.D
Acq: 15 Jan 2025 14:13

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109

Tgt Ion:164 Resp: 287776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.6 | 81.0 | 121.4 |
| 160 | 44.8 | 36.1 | 54.1 |

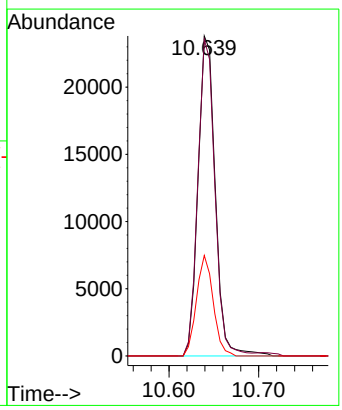


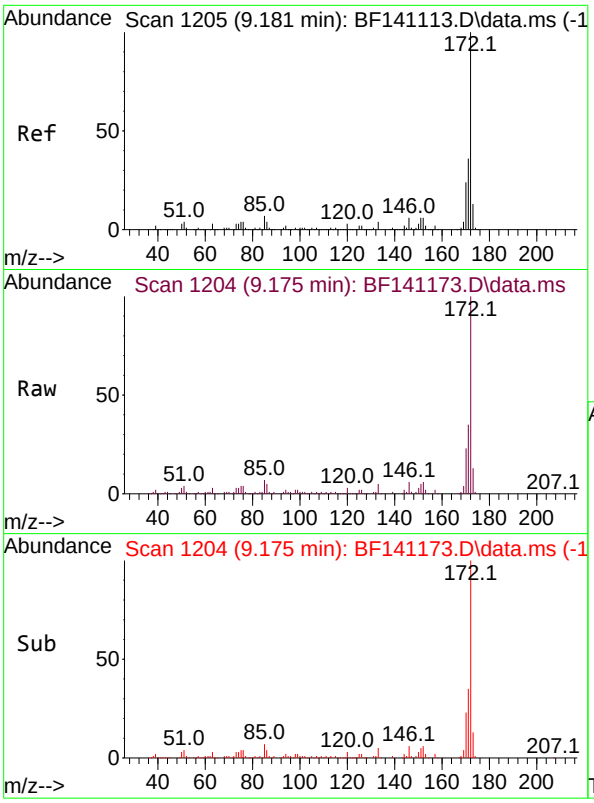




#42
2,4,6-Tribromophenol
Concen: 9.675 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141173.D
Acq: 15 Jan 2025 14:13

Tgt Ion:330 Resp: 31725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.8 | 76.9 | 115.3 |
| 141 | 30.5 | 25.2 | 37.8 |



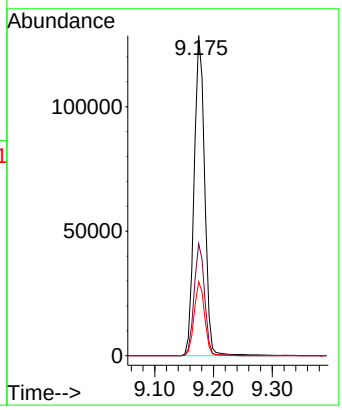


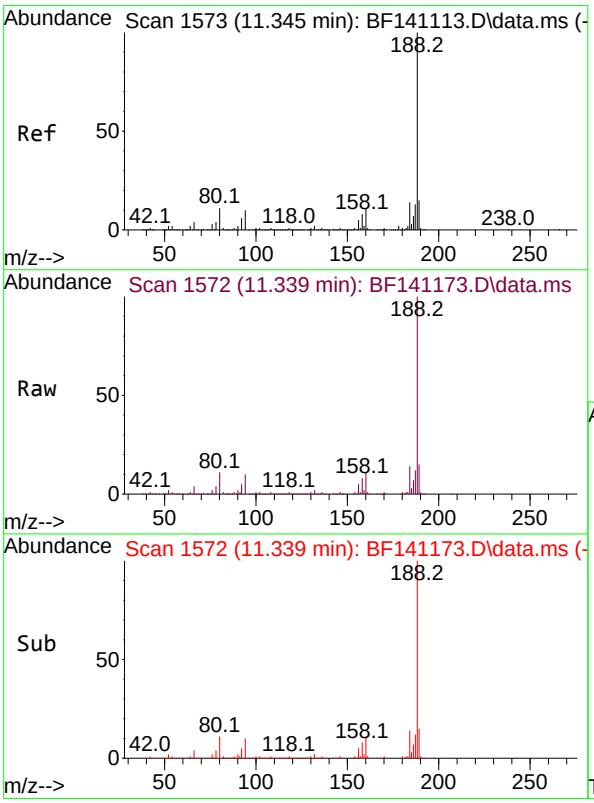

#45
2-Fluorobiphenyl
Concen: 8.526 ng
RT: 9.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141173.D
Acq: 15 Jan 2025 14:13

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109

Tgt Ion:172 Resp: 160676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.0 | 28.7 | 43.1 |
| 170 | 23.1 | 19.0 | 28.6 |

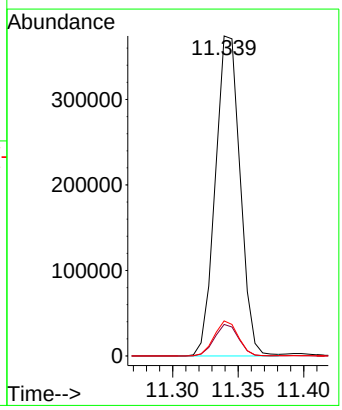


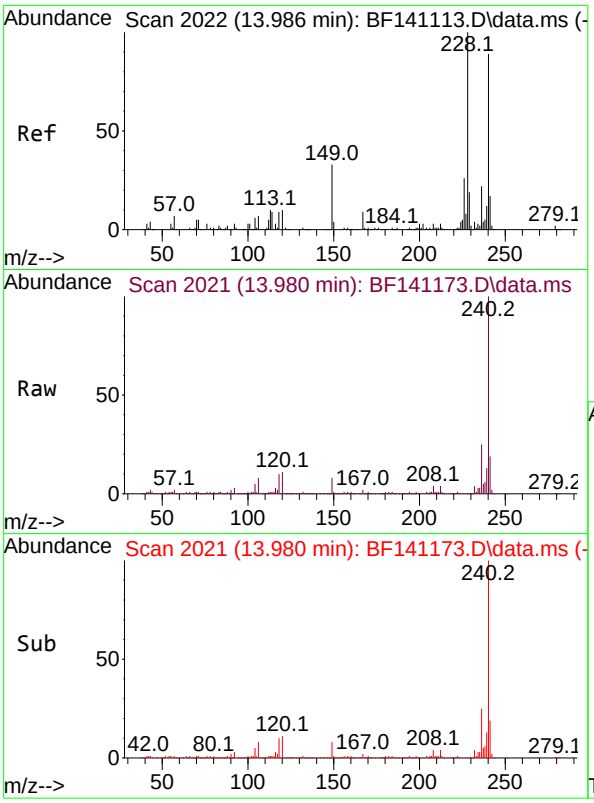




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141173.D
Acq: 15 Jan 2025 14:13

Tgt Ion:188 Resp: 491216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.8 | 8.3 | 12.5 |
| 80 | 11.0 | 9.0 | 13.4 |



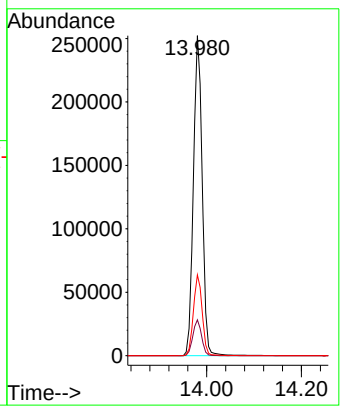


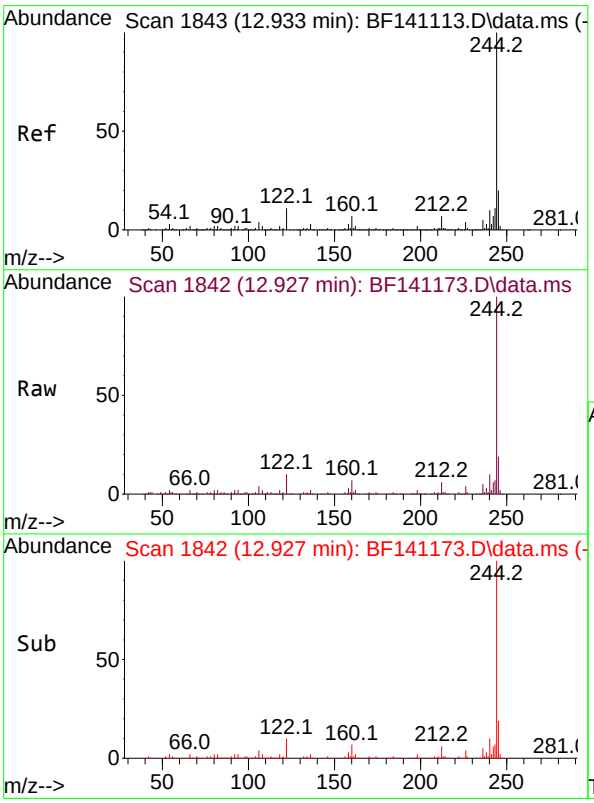

#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141173.D
Acq: 15 Jan 2025 14:13

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109

Tgt Ion:240 Resp: 326348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.2 | 9.1 | 13.7 |
| 236 | 25.2 | 19.8 | 29.6 |

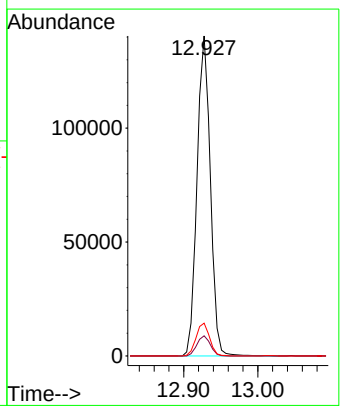


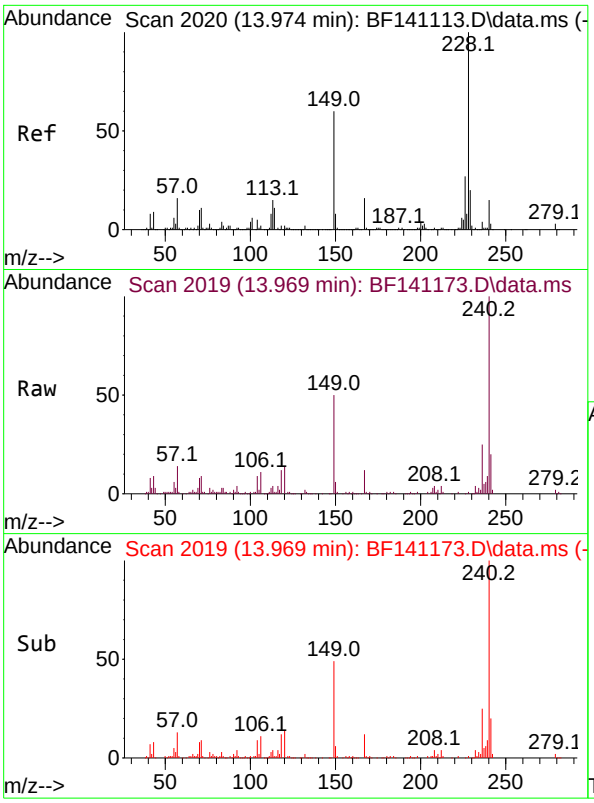




#79
Terphenyl-d14
Concen: 7.979 ng
RT: 12.927 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF141173.D
Acq: 15 Jan 2025 14:13

Tgt Ion:244 Resp: 175195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.3 | 5.4 | 8.2 |
| 122 | 10.3 | 8.8 | 13.2 |



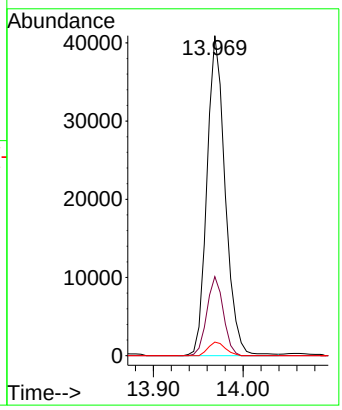


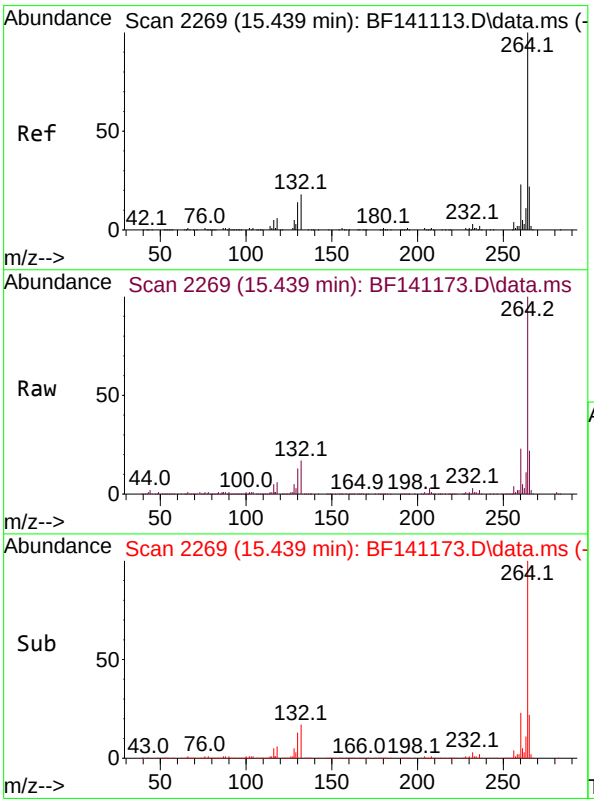

#84
Bis(2-ethylhexyl)phthalate
Concen: 4.632 ng
RT: 13.969 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141173.D
Acq: 15 Jan 2025 14:13

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109

Tgt Ion:149 Resp: 57753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 24.7 | 21.4 | 32.2 |
| 279 | 4.2 | 3.4 | 5.2 |

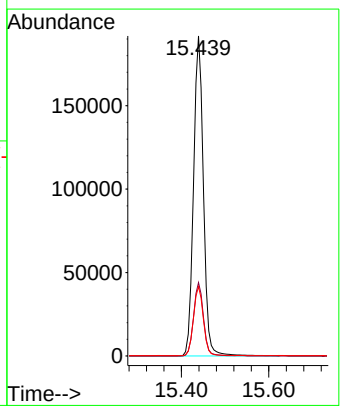



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141173.D
Acq: 15 Jan 2025 14:13

Tgt Ion:264 Resp: 301825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 18.6 | 28.0 |
| 265 | 21.7 | 17.4 | 26.0 |



Sample Results: **BF141173.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141173.D
Acq On : 15 Jan 2025 14:13
Operator : RC/JU
Sample : Q1069-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109

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-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141173.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.140 | 3 | 8 | 26 | rVB3 | 77456 | 212109 | 2.28% | 1.001% |
| 2 | 2.434 | 42 | 58 | 64 | rBV | 4564522 | 9304909 | 100.00% | 43.911% |
| 3 | 3.305 | 202 | 206 | 227 | rVB | 44506 | 107232 | 1.15% | 0.506% |
| 4 | 4.093 | 333 | 340 | 352 | rVB | 853689 | 1297729 | 13.95% | 6.124% |
| 5 | 4.987 | 484 | 492 | 496 | rBV | 719850 | 1202673 | 12.93% | 5.676% |
| 6 | 5.034 | 496 | 500 | 505 | rVB | 107577 | 154536 | 1.66% | 0.729% |
| 7 | 5.422 | 559 | 566 | 577 | rBV | 166432 | 231450 | 2.49% | 1.092% |
| 8 | 6.434 | 733 | 738 | 743 | rBV | 187589 | 252731 | 2.72% | 1.193% |
| 9 | 6.822 | 798 | 804 | 811 | rBV | 628178 | 794956 | 8.54% | 3.751% |
| 10 | 7.375 | 887 | 898 | 903 | rBV2 | 199779 | 309188 | 3.32% | 1.459% |
| 11 | 8.098 | 1016 | 1021 | 1027 | rBV | 797984 | 1043340 | 11.21% | 4.924% |
| 12 | 9.175 | 1199 | 1204 | 1209 | rBV | 376437 | 459948 | 4.94% | 2.171% |
| 13 | 9.775 | 1301 | 1306 | 1315 | rBV | 45098 | 115480 | 1.24% | 0.545% |
| 14 | 9.857 | 1315 | 1320 | 1332 | rVB | 979618 | 1235112 | 13.27% | 5.829% |
| 15 | 10.569 | 1436 | 1441 | 1448 | rBV | 241360 | 298077 | 3.20% | 1.407% |
| 16 | 10.639 | 1448 | 1453 | 1464 | rVB | 185315 | 237804 | 2.56% | 1.122% |
| 17 | 11.339 | 1567 | 1572 | 1579 | rBV | 940278 | 1228022 | 13.20% | 5.795% |
| 18 | 11.869 | 1657 | 1662 | 1676 | rBV2 | 156122 | 271441 | 2.92% | 1.281% |
| 19 | 12.657 | 1791 | 1796 | 1808 | rBV | 58592 | 103155 | 1.11% | 0.487% |
| 20 | 12.927 | 1837 | 1842 | 1851 | rVB | 362487 | 453127 | 4.87% | 2.138% |
| 21 | 13.980 | 2014 | 2021 | 2032 | rVB2 | 738425 | 1053913 | 11.33% | 4.974% |
| 22 | 15.439 | 2263 | 2269 | 2284 | rBV | 510111 | 823618 | 8.85% | 3.887% |

Sum of corrected areas: 21190550

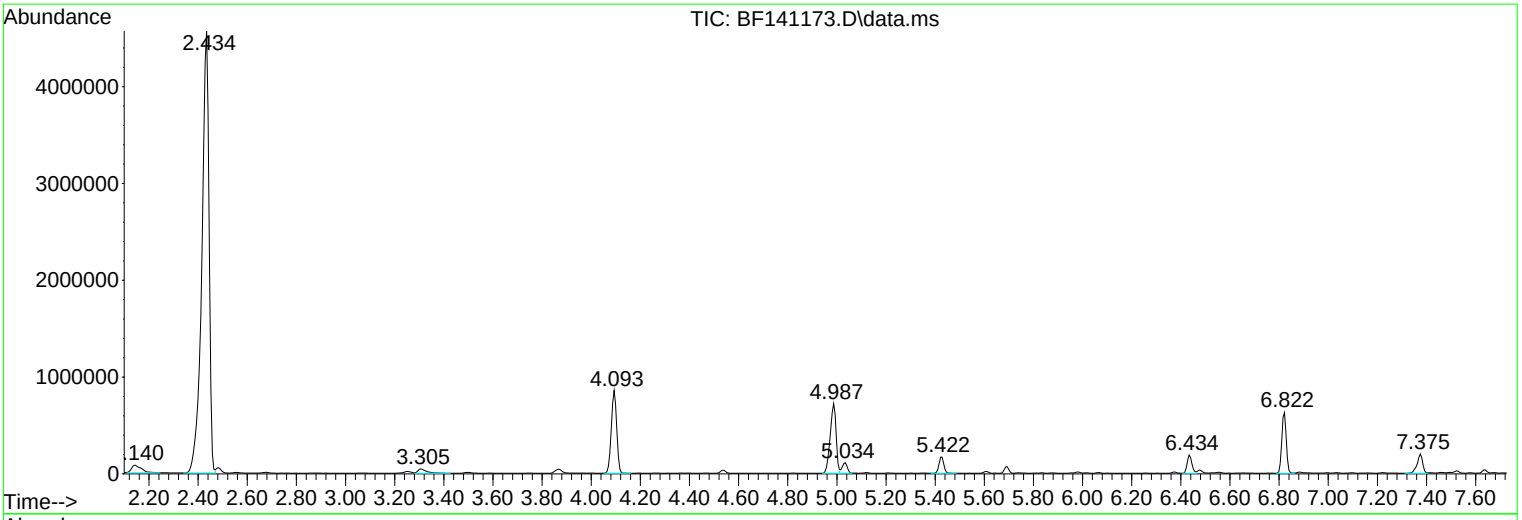
Sample Results: **BF141173.D**

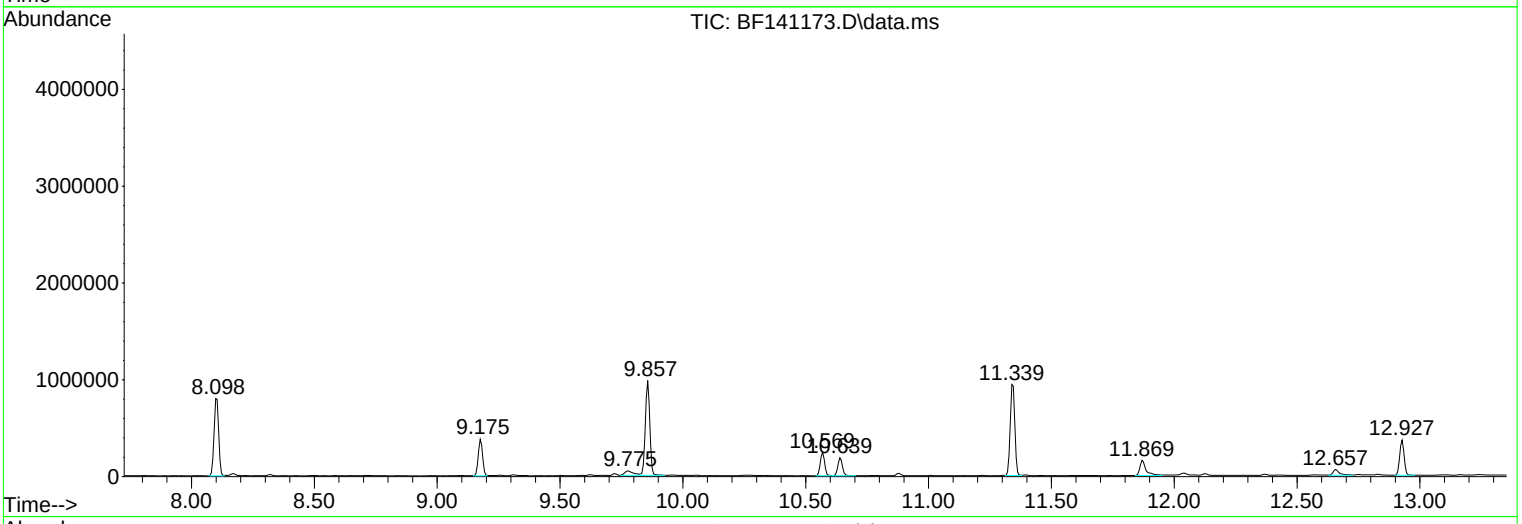
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141173.D
Acq On : 15 Jan 2025 14:13
Operator : RC/JU
Sample : Q1069-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

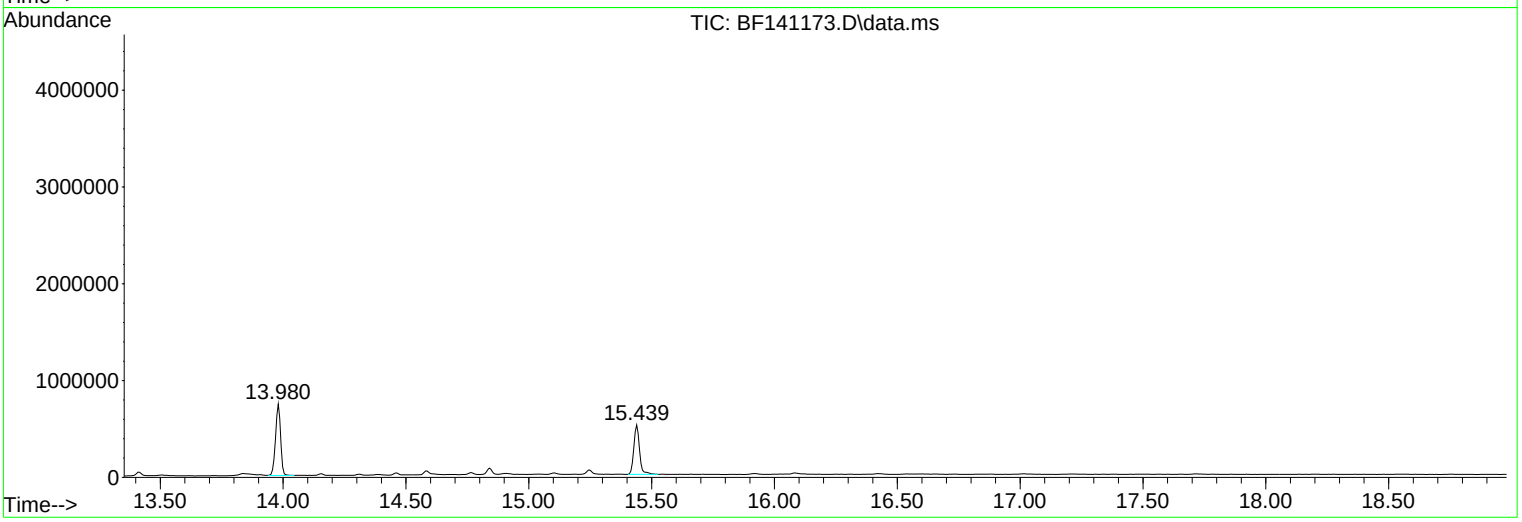
**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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\BF011525\
Data File : BF141173.D
Acq On : 15 Jan 2025 14:13
Operator : RC/JU
Sample : Q1069-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109

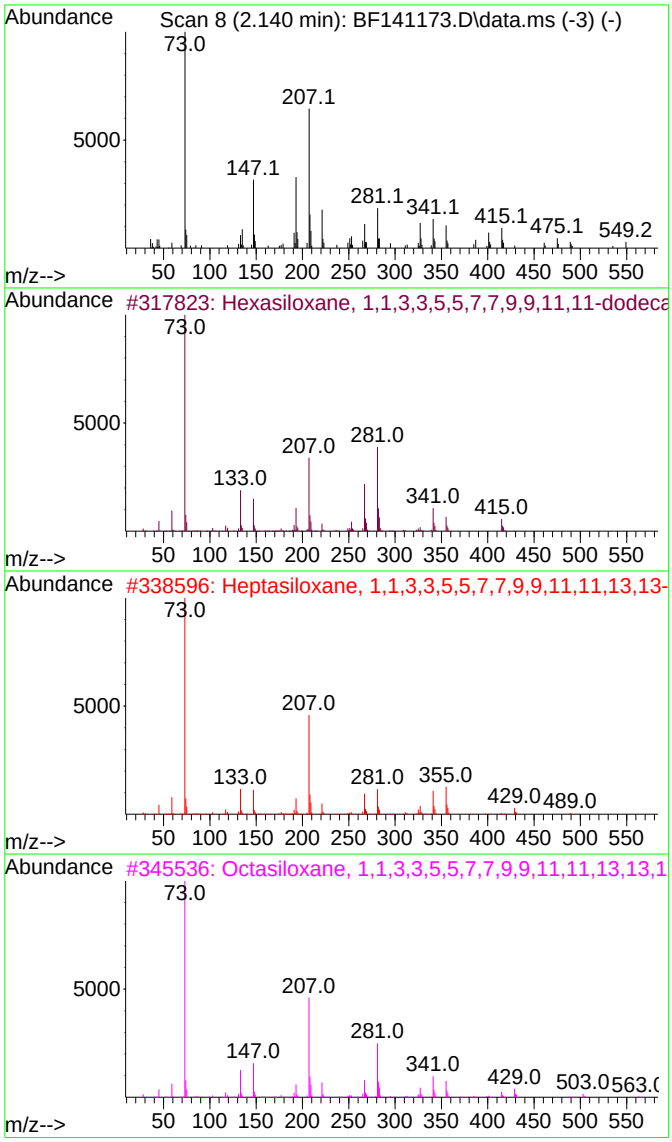
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

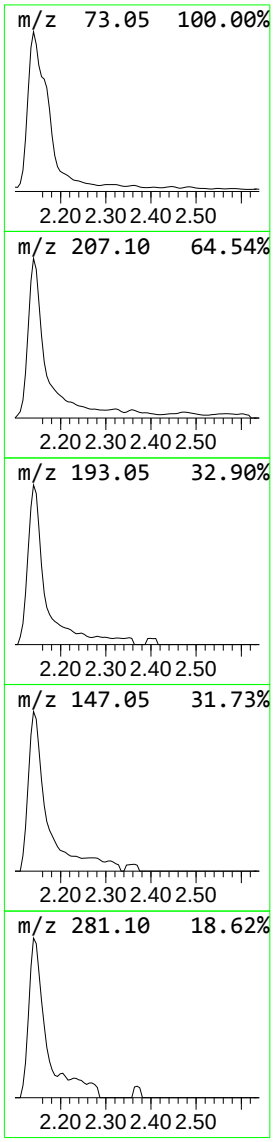
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Hexasiloxane, 1,1,3,3,5,5,7... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.140 | 5.34 ng | 212109 | 1,4-Dichlorobenzene-d4 | 6.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexasiloxane, 1,1,3,3,5,5,7,7,9,... | 430 | C12H38O5Si6 | 000995-82-4 | 59 |
| 2 | Heptasiloxane, 1,1,3,3,5,5,7,7,9... | 504 | C14H44O6Si7 | 019095-23-9 | 58 |
| 3 | Octasiloxane, 1,1,3,3,5,5,7,7,9,... | 578 | C16H50O7Si8 | 019095-24-0 | 40 |
| 4 | Methyltris(trimethylsiloxy)silane | 310 | C10H30O3Si4 | 017928-28-8 | 27 |
| 5 | 2-(1H-Benzimidazol-2-ylthio)-N,N... | 293 | C14H23N3SSi | 1000485-02-6 | 27 |



Sample Results: **BF141173.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141173.D
Acq On : 15 Jan 2025 14:13
Operator : RC/JU
Sample : Q1069-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109

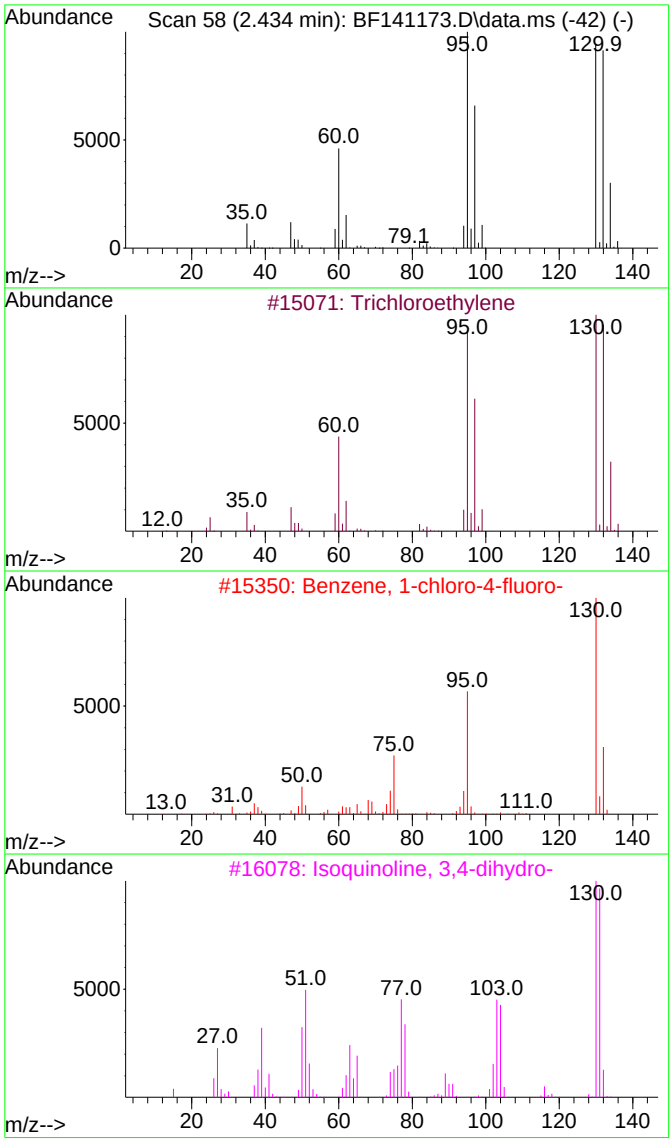
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

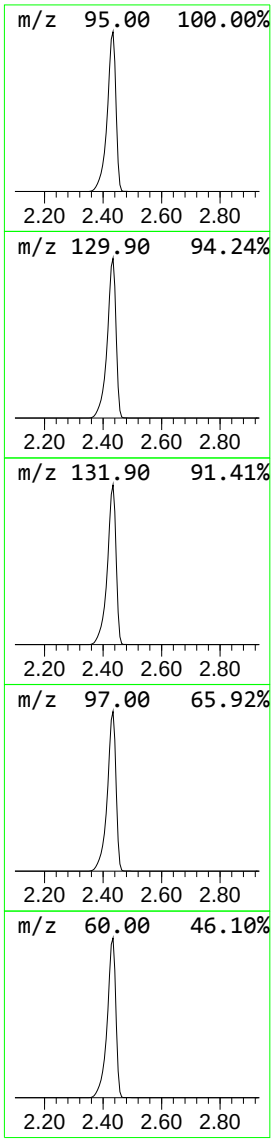
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Trichloroethylene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.434 | 234.10 ng | 9304910 | 1,4-Dichlorobenzene-d4 | 6.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trichloroethylene | 130 | C2HCl3 | 000079-01-6 | 99 |
| 2 | Benzene, 1-chloro-4-fluoro- | 130 | C6H4ClF | 000352-33-0 | 22 |
| 3 | Isoquinoline, 3,4-dihydro- | 131 | C9H9N | 003230-65-7 | 12 |
| 4 | 1,3-Oxathiane, 4,6-dimethyl-, tr... | 132 | C6H12OS | 022452-26-2 | 10 |
| 5 | 1H-1,2,4-Triazol-3-amine, 5-(met... | 130 | C3H6N4S | 045534-08-5 | 10 |



Sample Results: **BF141173.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141173.D
Acq On : 15 Jan 2025 14:13
Operator : RC/JU
Sample : Q1069-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109

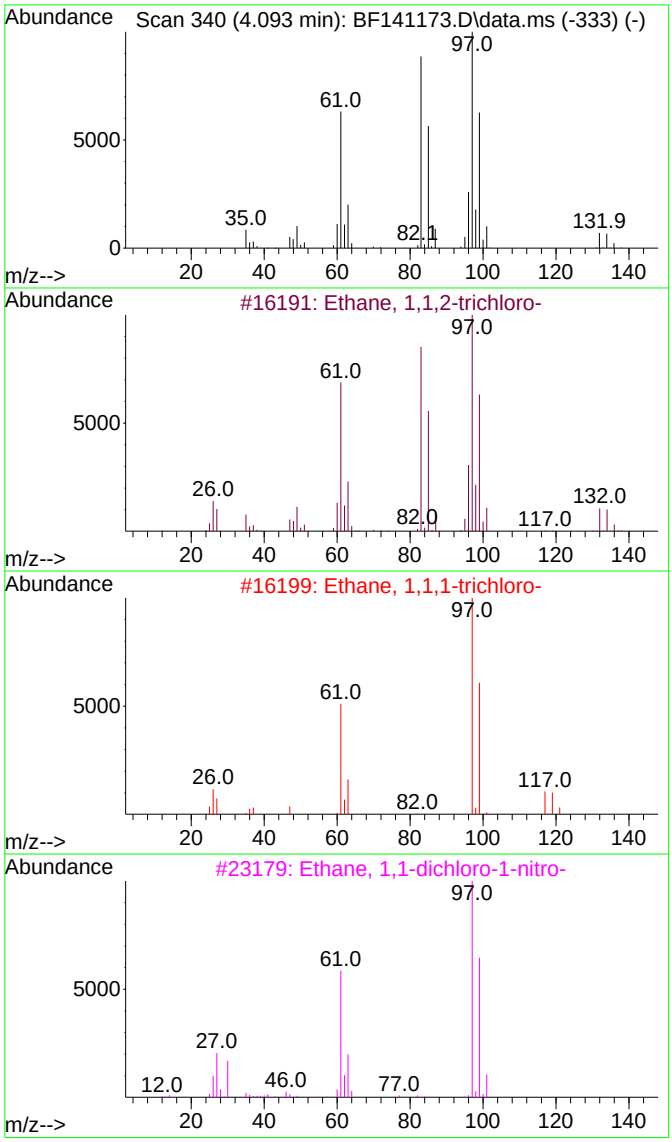
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

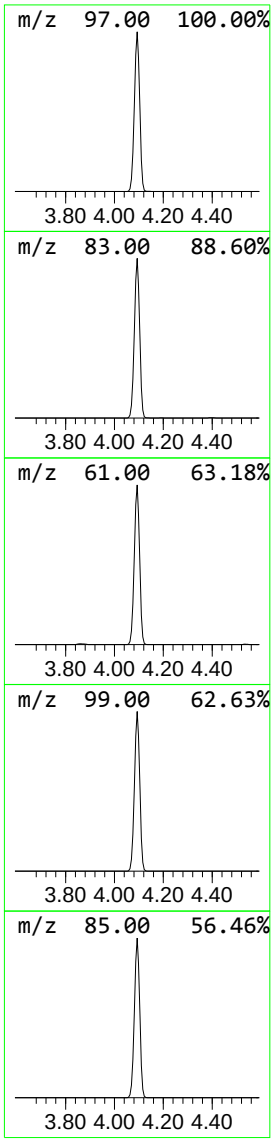
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Ethane, 1,1,2-trichloro- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.093 | 32.65 ng | 1297730 | 1,4-Dichlorobenzene-d4 | 6.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethane, 1,1,2-trichloro- | 132 | C2H3Cl3 | 000079-00-5 | 97 |
| 2 | Ethane, 1,1,1-trichloro- | 132 | C2H3Cl3 | 000071-55-6 | 43 |
| 3 | Ethane, 1,1-dichloro-1-nitro- | 143 | C2H3Cl2NO2 | 000594-72-9 | 43 |
| 4 | Propanoyl chloride, 2,2-dichloro- | 160 | C3H3Cl3O | 026073-26-7 | 32 |
| 5 | Propane, 1,2,2-trichloro- | 146 | C3H5Cl3 | 003175-23-3 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141173.D
Acq On : 15 Jan 2025 14:13
Operator : RC/JU
Sample : Q1069-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

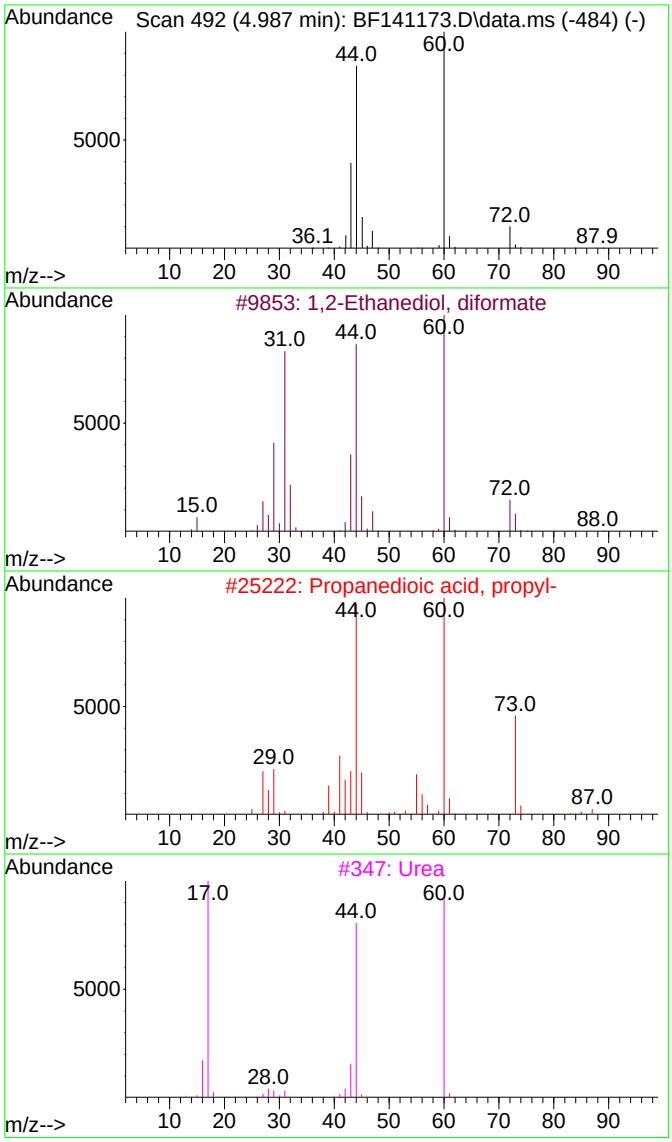
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

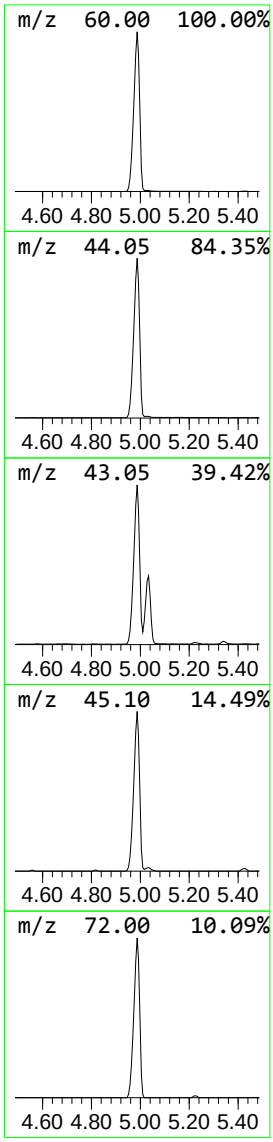
**********

Peak Number 4 1,2-Ethanediol, diformate Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.987 | 30.26 ng | 1202670 | 1,4-Dichlorobenzene-d4 | 6.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2-Ethanediol, diformate | 118 | C4H6O4 | 000629-15-2 | 78 |
| 2 | Propanedioic acid, propyl- | 146 | C6H10O4 | 000616-62-6 | 72 |
| 3 | Urea | 60 | CH4N2O | 000057-13-6 | 9 |
| 4 | 1,2-Propanediamine | 74 | C3H10N2 | 000078-90-0 | 7 |
| 5 | Ethyne, chloro- | 60 | C2HCl | 000593-63-5 | 7 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141173.D
Acq On : 15 Jan 2025 14:13
Operator : RC/JU
Sample : Q1069-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109

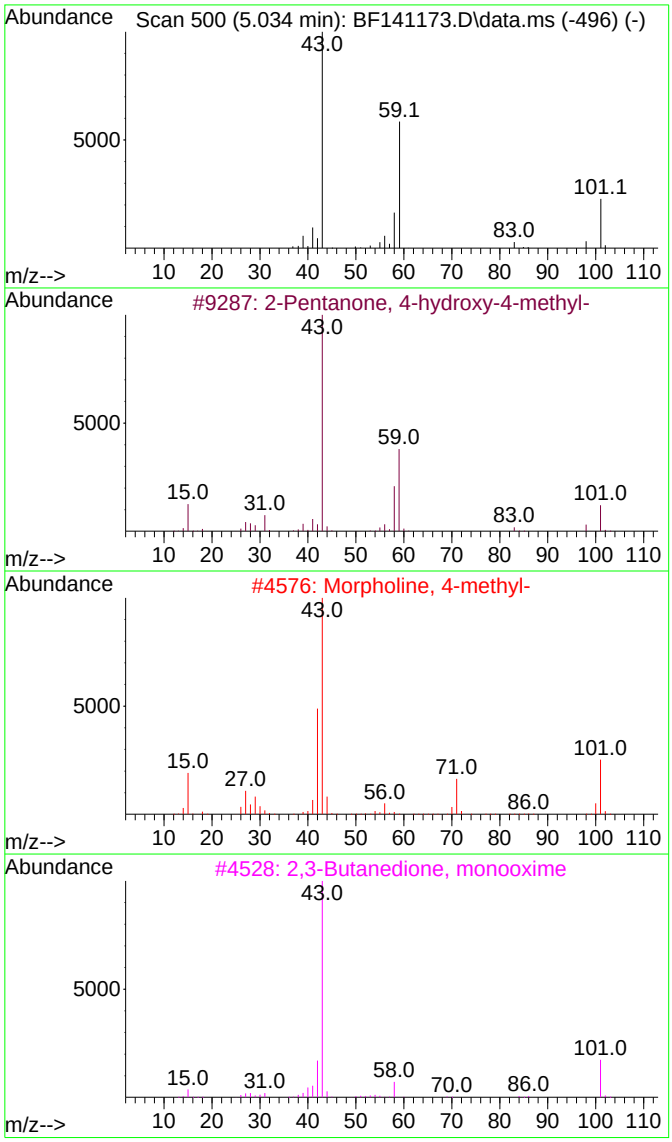
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

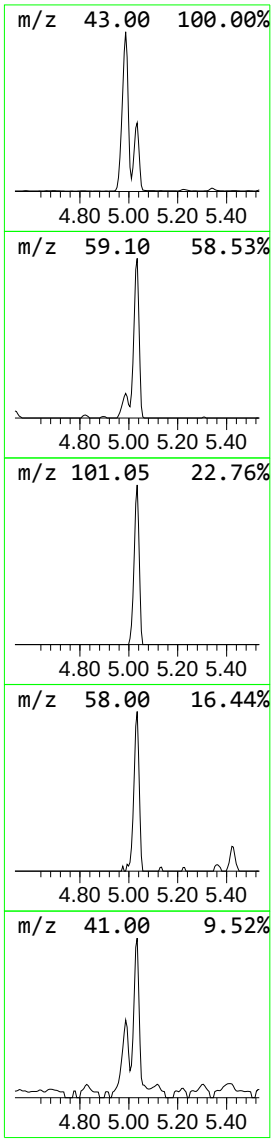
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.034 | 3.89 ng | 154536 | 1,4-Dichlorobenzene-d4 | 6.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 9 |
| 5 | n-Propyl t-butyl ether | 116 | C7H16O | 1000334-81-9 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141173.D
Acq On : 15 Jan 2025 14:13
Operator : RC/JU
Sample : Q1069-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

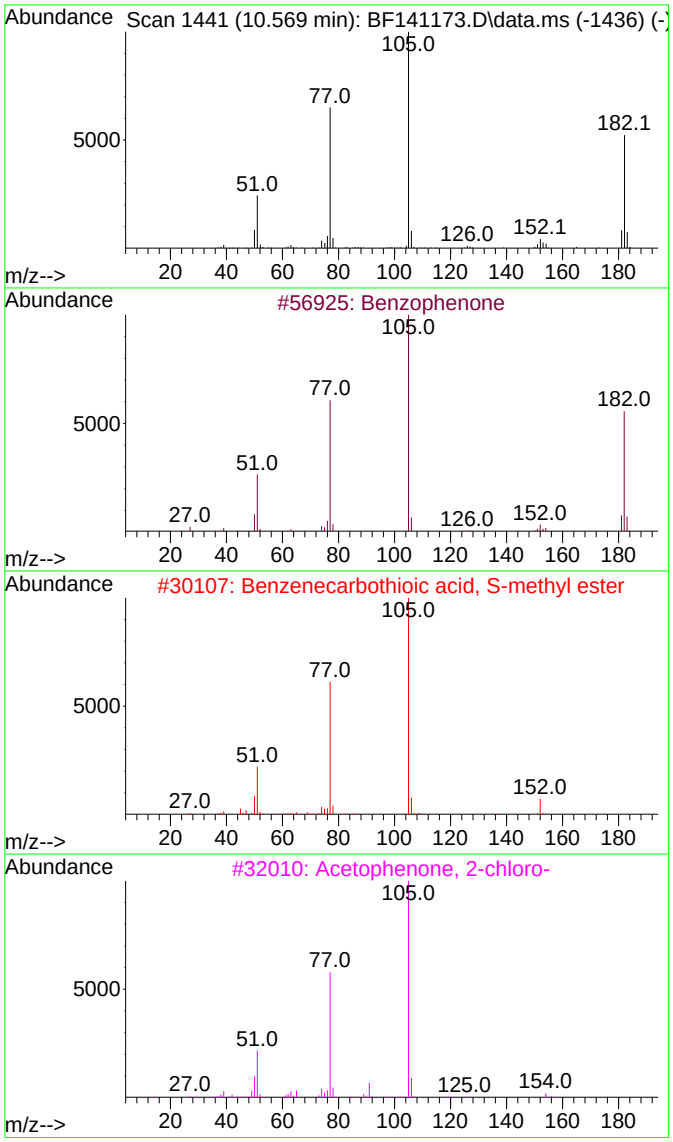
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

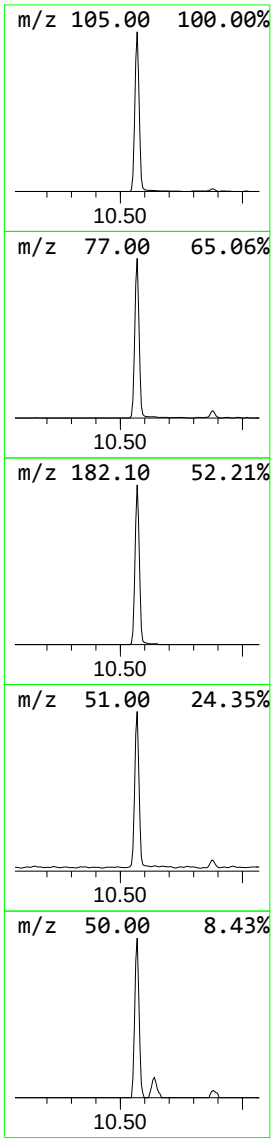
**********

Peak Number 6 Benzophenone Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.569 | 4.83 ng | 298077 | Acenaphthene-d10 | 9.857 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS | 005925-68-8 | 50 |
| 3 | Acetophenone, 2-chloro- | 154 | C8H7ClO | 000532-27-4 | 49 |
| 4 | N-Methylbenzamide, N-trifluoroac... | 231 | C10H8F3NO2 | 1000446-91-5 | 47 |
| 5 | 1-Propanone, 3-chloro-1-phenyl- | 168 | C9H9ClO | 000936-59-4 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141173.D
Acq On : 15 Jan 2025 14:13
Operator : RC/JU
Sample : Q1069-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

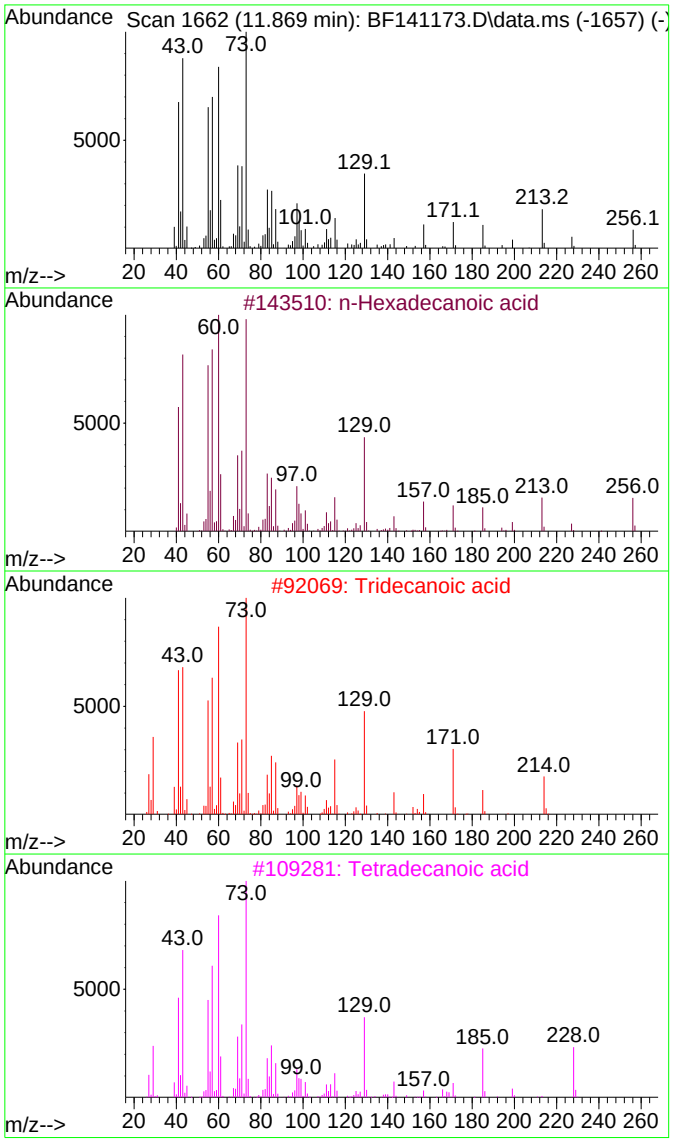
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

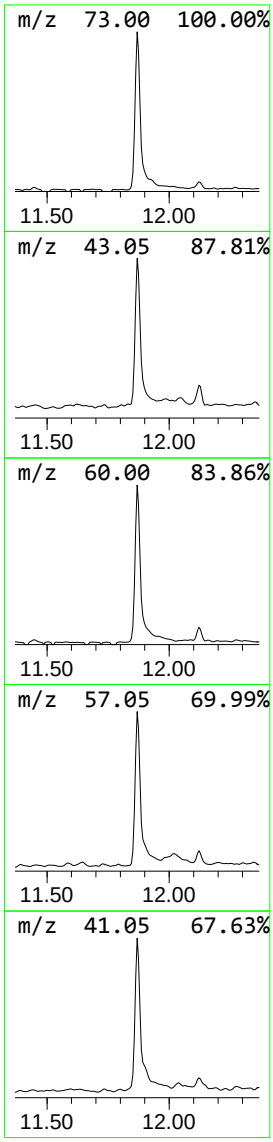
**********

Peak Number 7 n-Hexadecanoic acid Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.869 | 4.42 ng | 271441 | Phenanthrene-d10 | 11.339 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 92 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 91 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 90 |
| 5 | 8-Methylnonanoic acid | 172 | C10H20O2 | 005963-14-4 | 60 |



Sample Results: **BF141173.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141173.D
Acq On : 15 Jan 2025 14:13
Operator : RC/JU
Sample : Q1069-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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 |
| Hexasiloxane, 1... | 2.140 | 5.3 | ng | 212109 | 1 | 6.822 | 794956 | 20.0 |
| Trichloroethylene | 2.434 | 234.1 | ng | 9304910 | 1 | 6.822 | 794956 | 20.0 |
| Ethane, 1,1,2-t... | 4.093 | 32.6 | ng | 1297730 | 1 | 6.822 | 794956 | 20.0 |
| 1,2-Ethanediol,... | 4.987 | 30.3 | ng | 1202670 | 1 | 6.822 | 794956 | 20.0 |
| 2-Pentanone, 4-... | 5.034 | 3.9 | ng | 154536 | 1 | 6.822 | 794956 | 20.0 |
| Benzophenone | 10.569 | 4.8 | ng | 298077 | 3 | 9.857 | 1235110 | 20.0 |
| n-Hexadecanoic ... | 11.869 | 4.4 | ng | 271441 | 4 | 11.339 | 1228020 | 20.0 |

Raw Data: **BF141174.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 01/09/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 01/09/25 |
| Client Sample ID: | RW7B-CARBON-20250109RX | SDG No.: | Q1069 |
| Lab Sample ID: | Q1069-01RX | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 55.6 |
| 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 |
|---|---|---|---|---|
| BF141174.D | 1 | 01/15/25 09:15 | 01/15/25 14:39 | PB166061 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 480 | U | 330 | 480 | 590 | ug/Kg |
| 108-95-2 | Phenol | 230 | U | 150 | 230 | 310 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 230 | U | 150 | 230 | 310 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 230 | U | 150 | 230 | 310 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 230 | U | 140 | 230 | 310 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 230 | U | 160 | 230 | 310 | ug/Kg |
| 98-86-2 | Acetophenone | 230 | U | 160 | 230 | 310 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 480 | U | 140 | 480 | 590 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 140 | U | 72.3 | 140 | 140 | ug/Kg |
| 67-72-1 | Hexachloroethane | 230 | U | 150 | 230 | 310 | ug/Kg |
| 98-95-3 | Nitrobenzene | 230 | U | 160 | 230 | 310 | ug/Kg |
| 78-59-1 | Isophorone | 230 | U | 150 | 230 | 310 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 230 | U | 170 | 230 | 310 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 230 | U | 170 | 230 | 310 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 230 | U | 150 | 230 | 310 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 230 | U | 140 | 230 | 310 | ug/Kg |
| 91-20-3 | Naphthalene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 230 | U | 150 | 230 | 310 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 105-60-2 | Caprolactam | 480 | U | 160 | 480 | 590 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 230 | U | 140 | 230 | 310 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 480 | UQ | 280 | 480 | 590 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 230 | U | 130 | 230 | 310 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 230 | U | 130 | 230 | 310 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 230 | U | 160 | 230 | 310 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 230 | U | 170 | 230 | 310 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 230 | U | 150 | 230 | 310 | ug/Kg |

Raw Data: **BF141174.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 01/09/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 01/09/25 |
| Client Sample ID: | RW7B-CARBON-20250109RX | SDG No.: | Q1069 |
| Lab Sample ID: | Q1069-01RX | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 55.6 |
| 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 |
|---|---|---|---|---|
| BF141174.D | 1 | 01/15/25 09:15 | 01/15/25 14:39 | PB166061 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 230 | U | 160 | 230 | 310 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 230 | U | 160 | 230 | 310 | ug/Kg |
| 83-32-9 | Acenaphthene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 480 | U | 440 | 480 | 590 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 480 | U | 210 | 480 | 590 | ug/Kg |
| 132-64-9 | Dibenzofuran | 230 | U | 150 | 230 | 310 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 84-66-2 | Diethylphthalate | 230 | U | 140 | 230 | 310 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 230 | U | 150 | 230 | 310 | ug/Kg |
| 86-73-7 | Fluorene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 230 | U | 190 | 230 | 310 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 480 | U | 210 | 480 | 590 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 230 | U | 150 | 230 | 310 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 230 | U | 140 | 230 | 310 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 1912-24-9 | Atrazine | 230 | UQ | 160 | 230 | 310 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 480 | U | 140 | 480 | 590 | ug/Kg |
| 85-01-8 | Phenanthrene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 120-12-7 | Anthracene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 86-74-8 | Carbazole | 230 | U | 140 | 230 | 310 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 230 | U | 150 | 230 | 310 | ug/Kg |
| 206-44-0 | Fluoranthene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 129-00-0 | Pyrene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 230 | U | 170 | 230 | 310 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 480 | U | 180 | 480 | 590 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 230 | U | 140 | 230 | 310 | ug/Kg |
| 218-01-9 | Chrysene | 230 | U | 140 | 230 | 310 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 560 | | 160 | 230 | 310 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 210 | J | 200 | 480 | 590 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 230 | U | 150 | 230 | 310 | ug/Kg |

Raw Data: **BF141174.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 01/09/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 01/09/25 |
| Client Sample ID: | RW7B-CARBON-20250109RX | SDG No.: | Q1069 |
| Lab Sample ID: | Q1069-01RX | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 55.6 |
| 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 |
|---|---|---|---|---|
| BF141174.D | 1 | 01/15/25 09:15 | 01/15/25 14:39 | PB166061 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 230 | U | 170 | 230 | 310 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 230 | U | 140 | 230 | 310 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 230 | U | 150 | 230 | 310 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 230 | U | 140 | 230 | 310 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 230 | U | 160 | 230 | 310 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 230 | U | 200 | 230 | 310 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 230 | U | 130 | 230 | 310 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 49.5 | * | 35 - 115 | | 33% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 48.3 | * | 34 - 127 | | 32% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 38.0 | | 37 - 122 | | 38% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 39.2 | * | 44 - 115 | | 39% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 50.3 | * | 39 - 132 | | 34% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 28.7 | * | 54 - 127 | | 29% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 131000 | 6.822 | | | | |
| 1146-65-2 | Naphthalene-d8 | 511000 | 8.104 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 278000 | 9.857 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 450000 | 11.339 | | | | |
| 1719-03-5 | Chrysene-d12 | 281000 | 13.98 | | | | |
| 1520-96-3 | Perylene-d12 | 283000 | 15.439 | | | | |

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\BF011525\
Data File : BF141174.D
Acq On : 15 Jan 2025 14:39
Operator : RC/JU
Sample : Q1069-01RX
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109RX

Quant Time: Jan 15 15:17:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

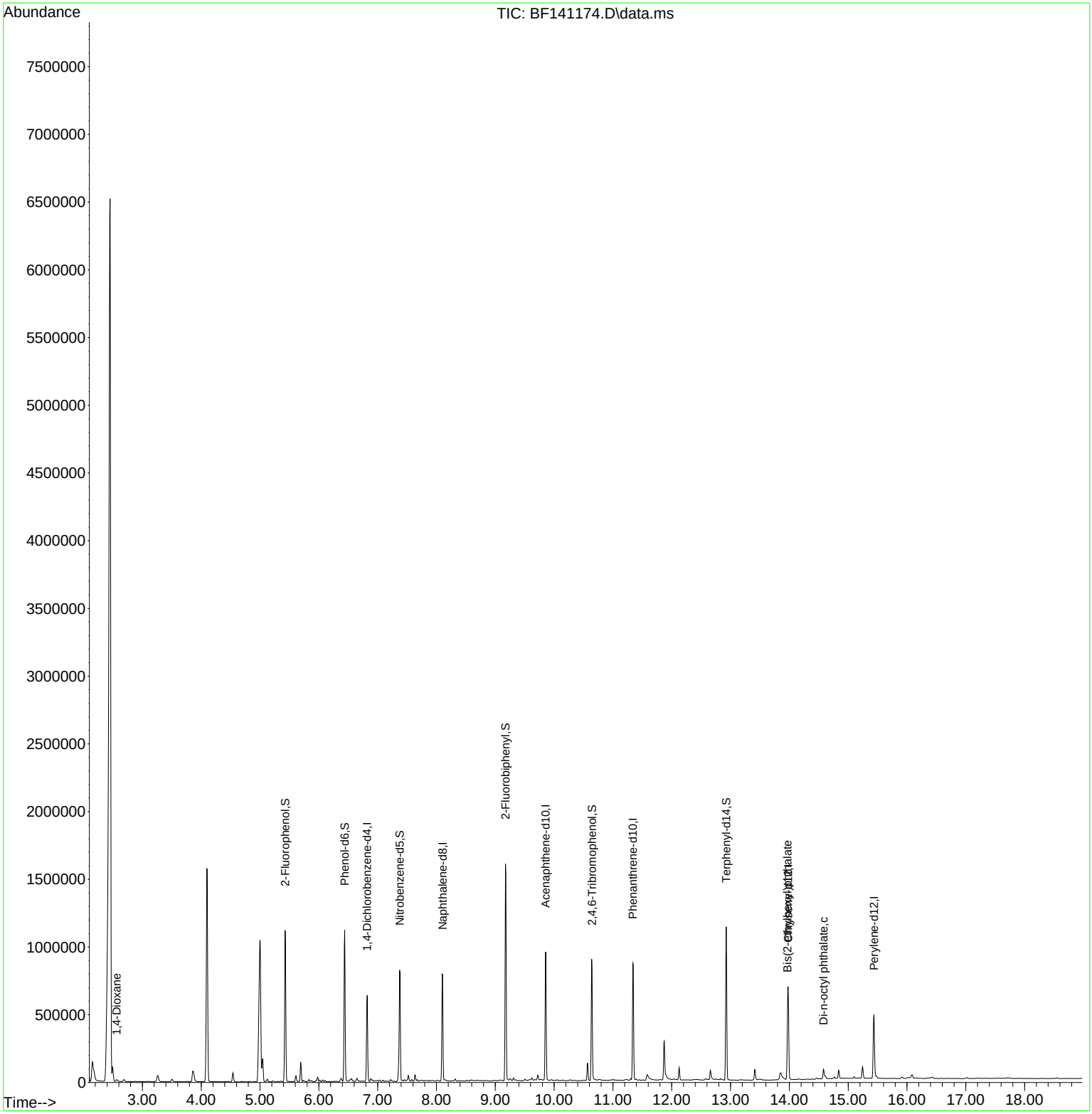
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 130568 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 511298 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.857 | 164 | 277574 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.339 | 188 | 450100 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.980 | 240 | 280945 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.439 | 264 | 283392 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.428 | 112 | 418792 | 49.549 | ng | 0.00 |
| 7) Phenol-d6 | 6.439 | 99 | 517567 | 48.342 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.375 | 82 | 366655 | 38.013 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.645 | 330 | 159084 | 50.299 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.175 | 172 | 712202 | 39.181 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.927 | 244 | 542897 | 28.721 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.563 | 88 | 8683 | 2.307 | ng | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149 | 101289 | 9.436 | ng | 98 |
| 85) Di-n-octyl phthalate | 14.580 | 149 | 56716 | 3.499 | ng | 96 |

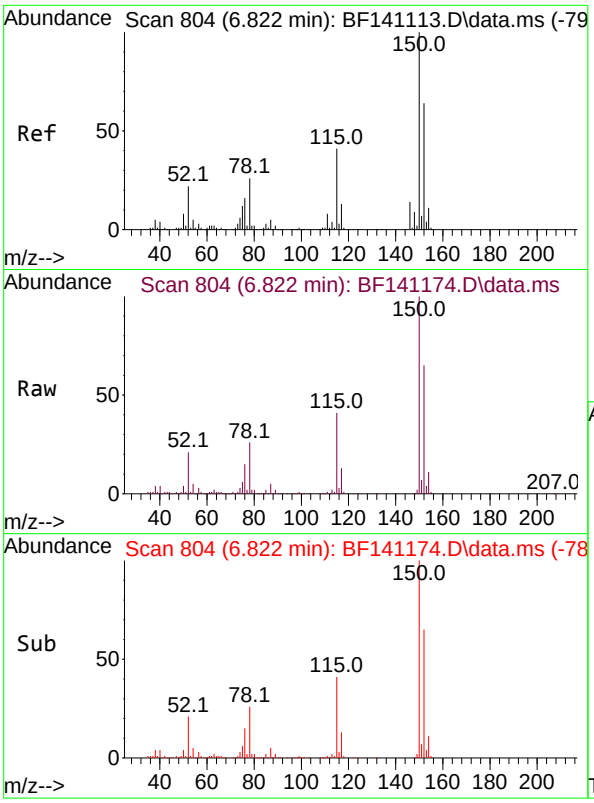
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141174.D
Acq On : 15 Jan 2025 14:39
Operator : RC/JU
Sample : Q1069-01RX
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109RX

Quant Time: Jan 15 15:17:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



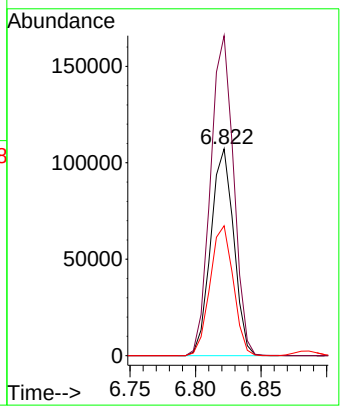


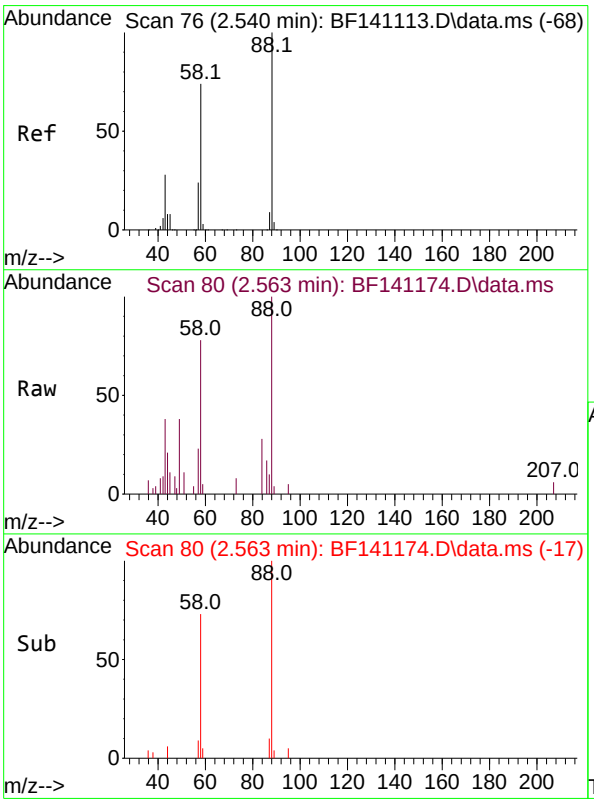

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141174.D
Acq: 15 Jan 2025 14:39

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109RX

Tgt Ion:152 Resp: 130568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.7 | 125.8 | 188.8 |
| 115 | 62.8 | 51.4 | 77.2 |

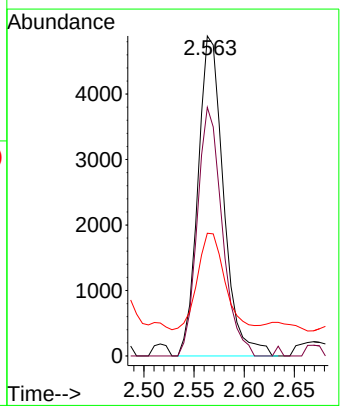


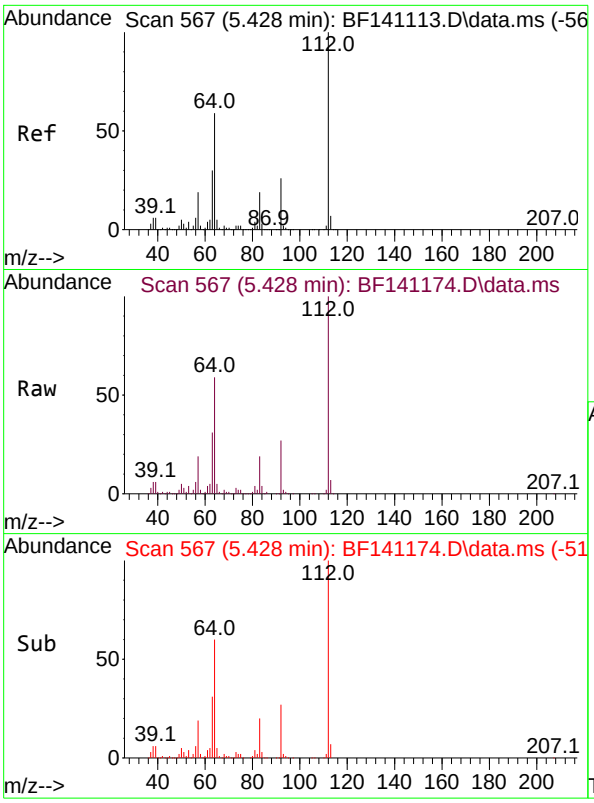




#2
1,4-Dioxane
Concen: 2.307 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.023 min
Lab File: BF141174.D
Acq: 15 Jan 2025 14:39

Tgt Ion: 88 Resp: 8683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.5 | 60.1 | 90.1 |
| 43 | 32.1 | 23.1 | 34.7 |



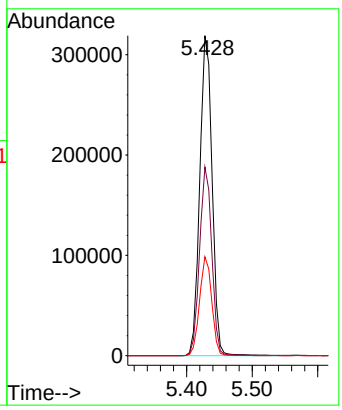


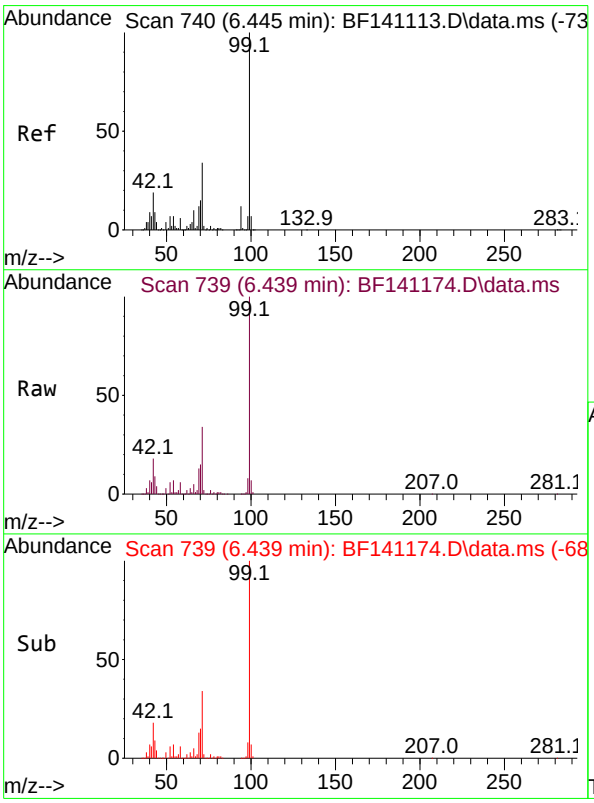

#5
2-Fluorophenol
Concen: 49.549 ng
RT: 5.428 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141174.D
Acq: 15 Jan 2025 14:39

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109RX

Tgt Ion:112 Resp: 418792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.0 | 47.3 | 70.9 |
| 63 | 30.9 | 24.2 | 36.2 |

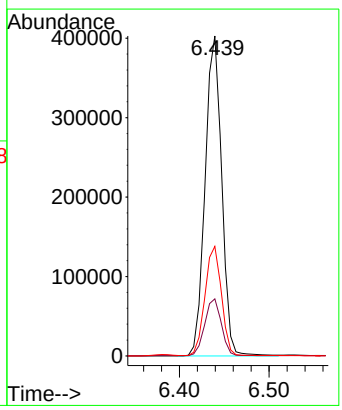


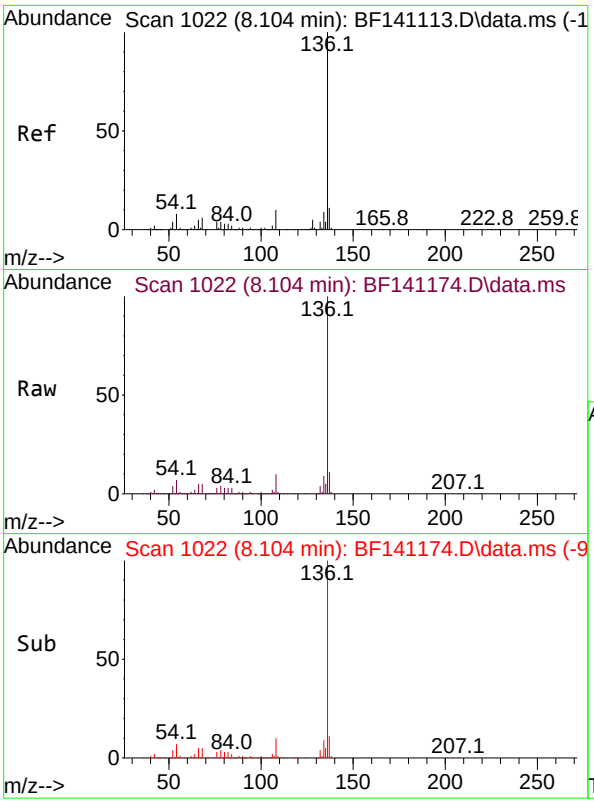




#7
Phenol-d6
Concen: 48.342 ng
RT: 6.439 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF141174.D
Acq: 15 Jan 2025 14:39

Tgt Ion: 99 Resp: 517567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.9 | 15.0 | 22.4 |
| 71 | 34.2 | 27.6 | 41.4 |



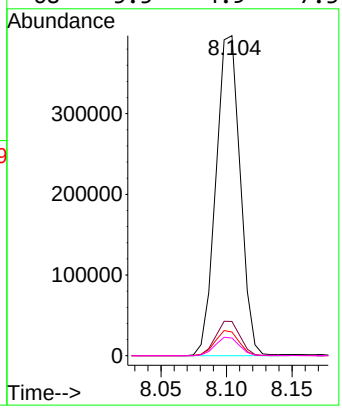


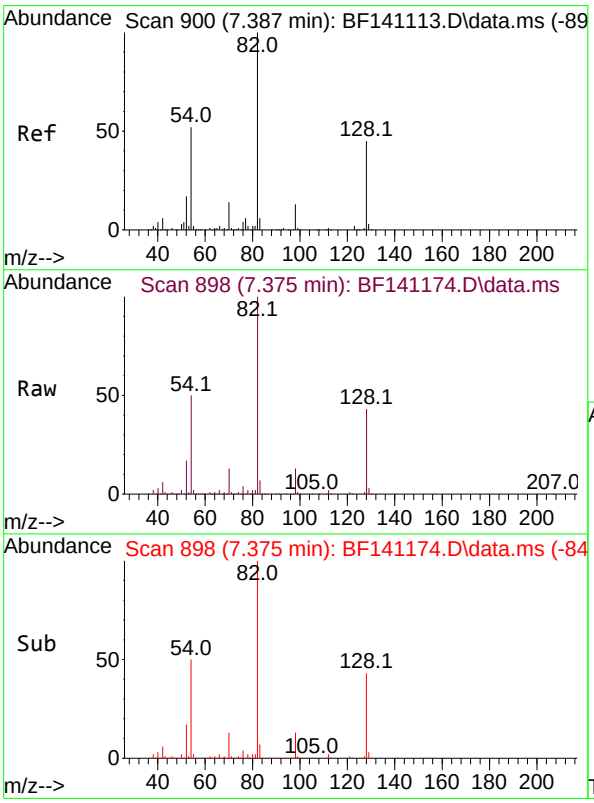

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141174.D
Acq: 15 Jan 2025 14:39

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109RX

Tgt Ion:136 Resp: 511298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.8 | 13.2 |
| 54 | 7.4 | 6.3 | 9.5 |
| 68 | 5.5 | 4.9 | 7.3 |

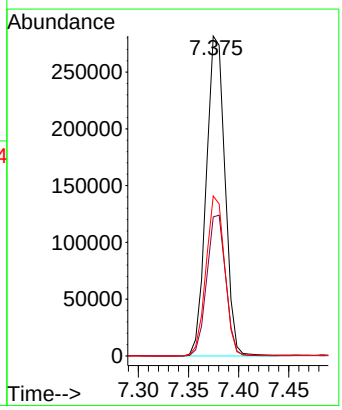


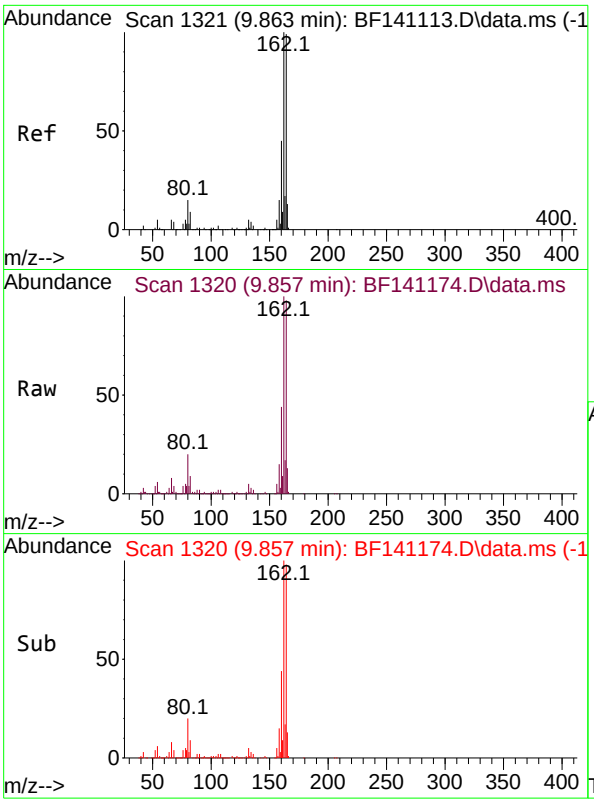




#23
Nitrobenzene-d5
Concen: 38.013 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF141174.D
Acq: 15 Jan 2025 14:39

Tgt Ion: 82 Resp: 366655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.4 | 36.1 | 54.1 |
| 54 | 50.0 | 41.0 | 61.4 |



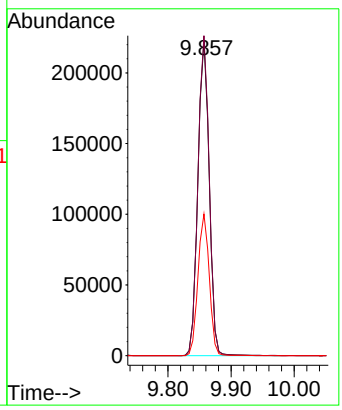


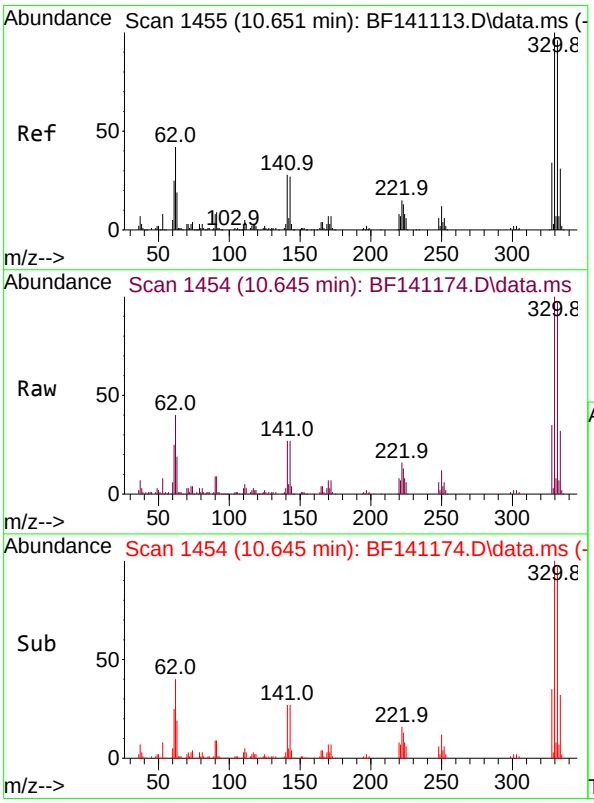

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141174.D
Acq: 15 Jan 2025 14:39

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109RX

Tgt Ion:164 Resp: 277574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.7 | 81.0 | 121.4 |
| 160 | 45.0 | 36.1 | 54.1 |

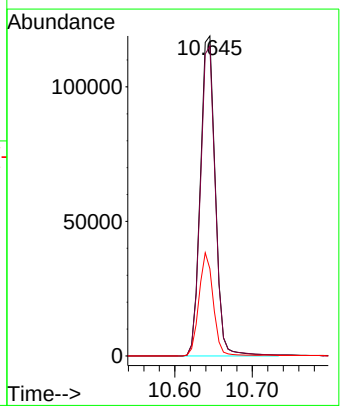


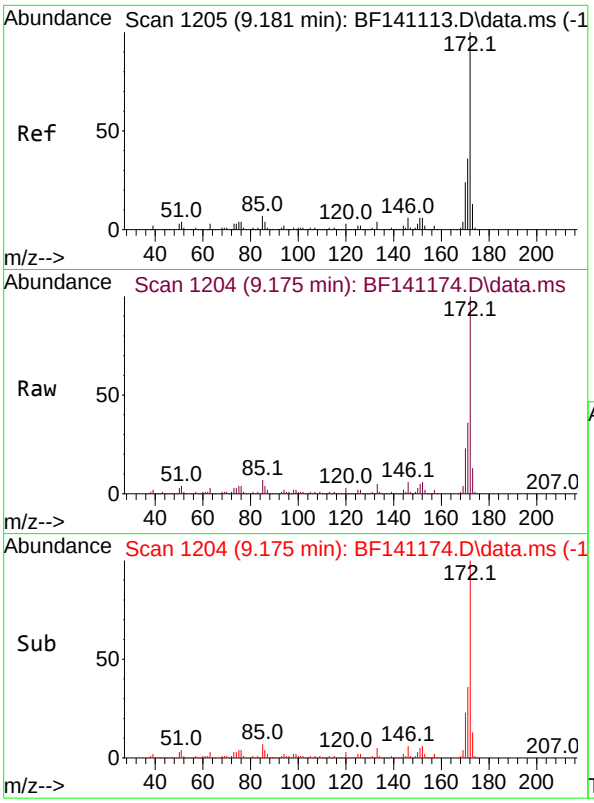




#42
2,4,6-Tribromophenol
Concen: 50.299 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141174.D
Acq: 15 Jan 2025 14:39

Tgt Ion:330 Resp: 159084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.5 | 76.9 | 115.3 |
| 141 | 30.9 | 25.2 | 37.8 |



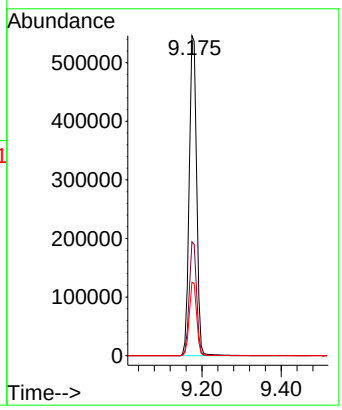


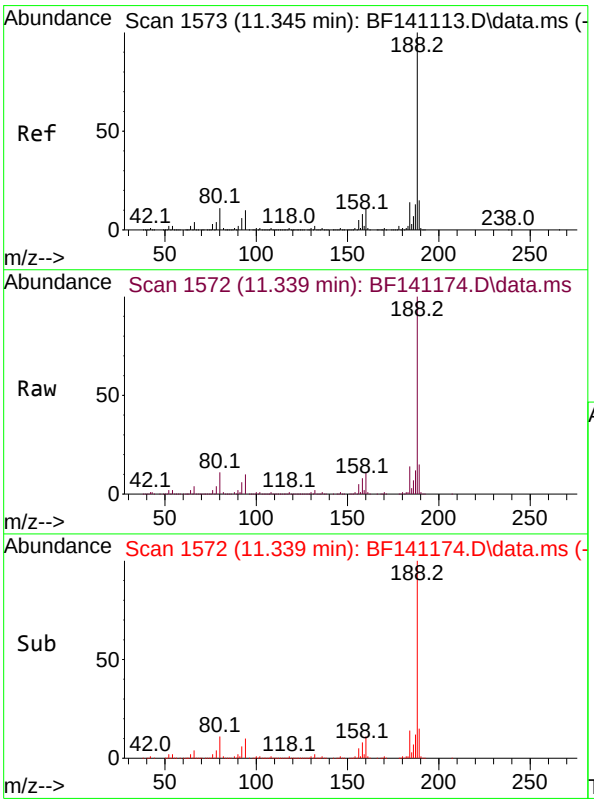

#45
2-Fluorobiphenyl
Concen: 39.181 ng
RT: 9.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141174.D
Acq: 15 Jan 2025 14:39

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109RX

Tgt Ion:172 Resp: 712202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 28.7 | 43.1 |
| 170 | 23.0 | 19.0 | 28.6 |

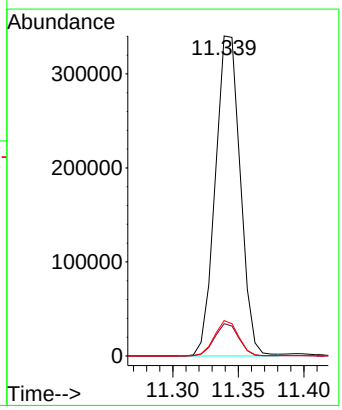


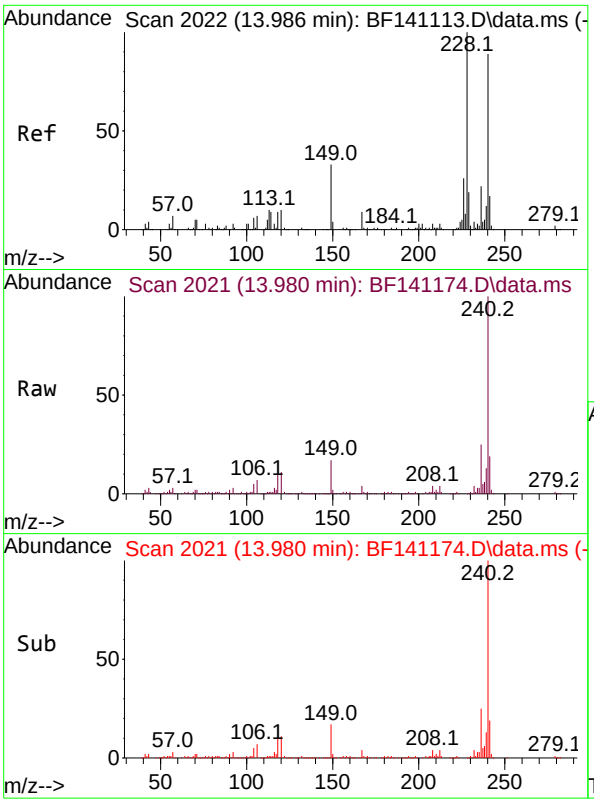




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141174.D
Acq: 15 Jan 2025 14:39

Tgt Ion:188 Resp: 450100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.1 | 8.3 | 12.5 |
| 80 | 11.0 | 9.0 | 13.4 |



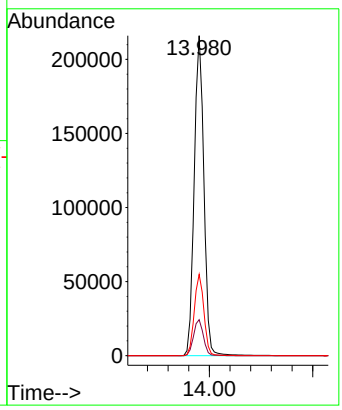


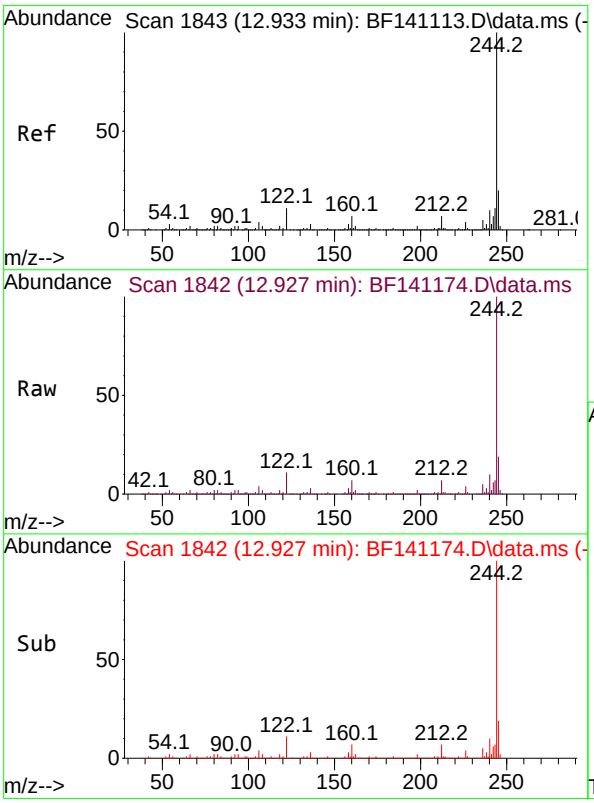

#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141174.D
Acq: 15 Jan 2025 14:39

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109RX

Tgt Ion:240 Resp: 280945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.3 | 9.1 | 13.7 |
| 236 | 25.4 | 19.8 | 29.6 |

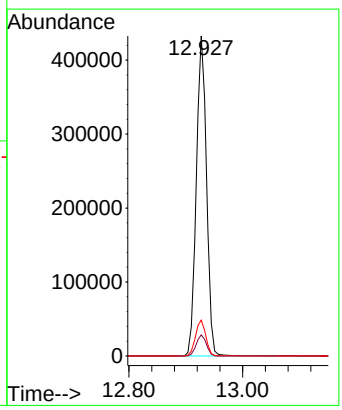


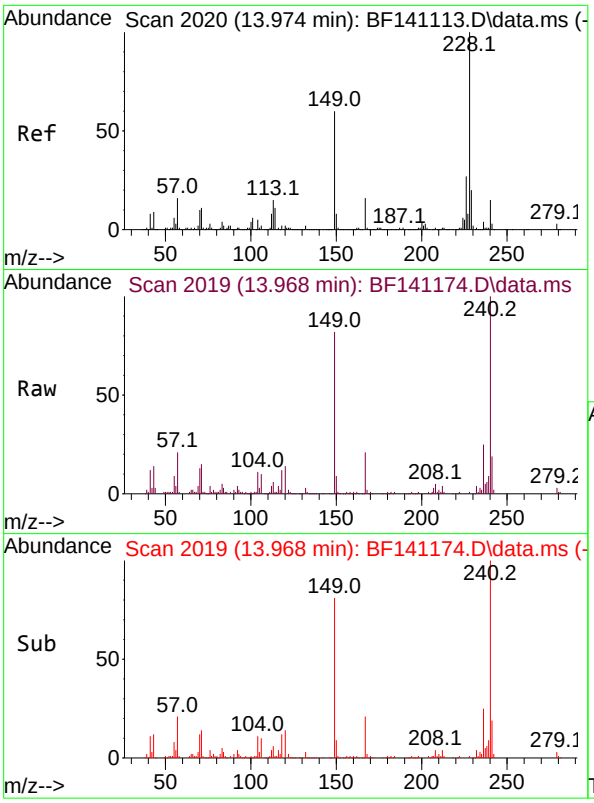




#79
Terphenyl-d14
Concen: 28.721 ng
RT: 12.927 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF141174.D
Acq: 15 Jan 2025 14:39

Tgt Ion:244 Resp: 542897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.4 | 8.2 |
| 122 | 11.2 | 8.8 | 13.2 |



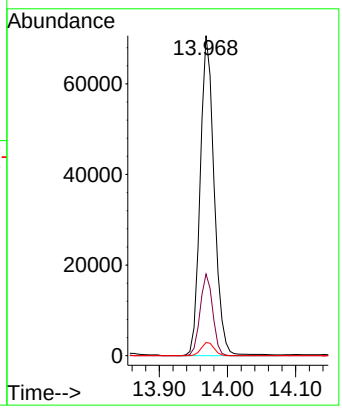


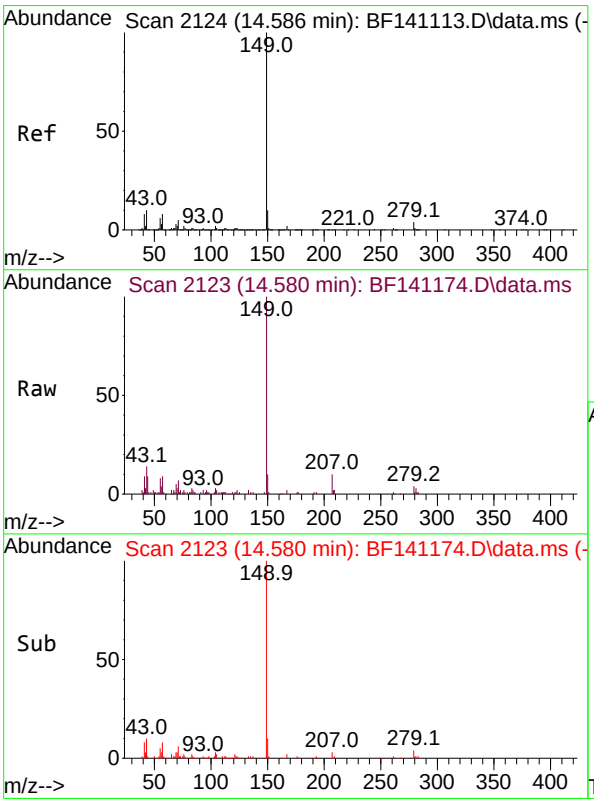

#84
Bis(2-ethylhexyl)phthalate
Concen: 9.436 ng
RT: 13.968 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141174.D
Acq: 15 Jan 2025 14:39

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109RX

Tgt Ion:149 Resp: 101289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 25.5 | 21.4 | 32.2 |
| 279 | 4.1 | 3.4 | 5.2 |

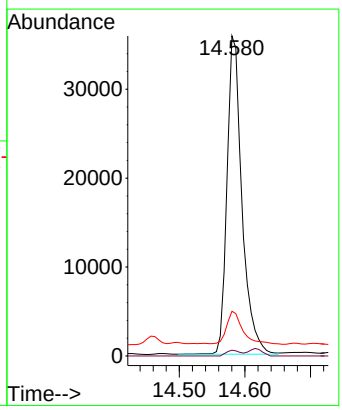


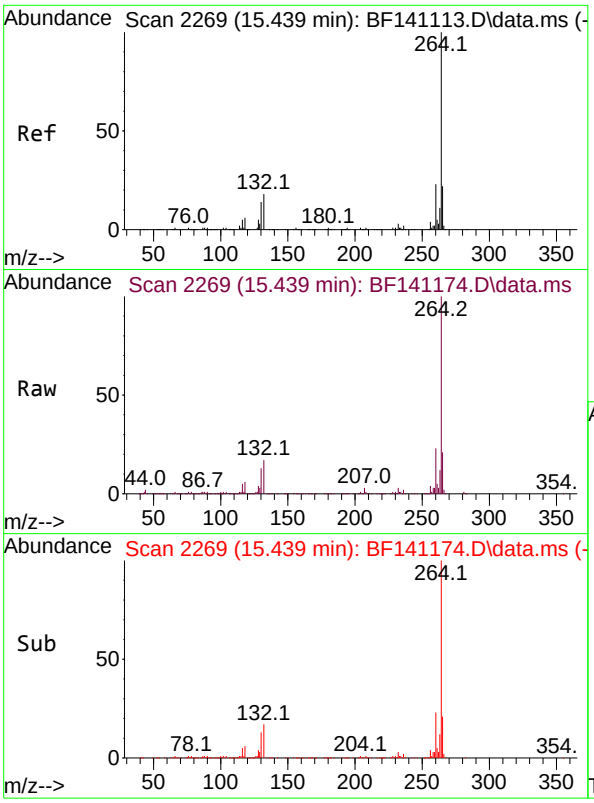




#85
Di-n-octyl phthalate
Concen: 3.499 ng
RT: 14.580 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF141174.D
Acq: 15 Jan 2025 14:39

Tgt Ion:149 Resp: 56716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.7 | 1.3 | 1.9 |
| 43 | 12.2 | 8.4 | 12.6 |



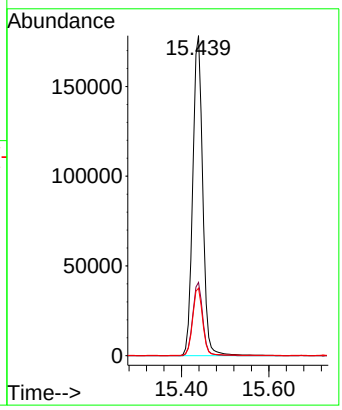



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141174.D
Acq: 15 Jan 2025 14:39

**Instrument :**
BNA_F
**ClientSampleId :**
RW7B-CARBON-20250109RX

Tgt Ion:264 Resp: 283392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.9 | 18.6 | 28.0 |
| 265 | 21.1 | 17.4 | 26.0 |



# 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: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG No.: Q1069

Instrument ID: BNA_F Calibration Date(s): 01/10/2025 01/10/2025

Calibration Time(s): 11:58 17:45

LAB FILE ID: RRF2.5 = BF141109.D RRF005 = BF141110.D RRF010 = BF141111.D
RRF020 = BF141112.D RRF040 = BF141113.D RRF050 = BF141117.D

| COMPOUND | RRF2.5 | RRF005 | RRF010 | RRF020 | RRF040 | RRF050 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| 2-Fluorophenol | | 1.453 | 1.400 | 1.378 | 1.248 | 1.236 | 1.295 | 9.1 |
| Benzaldehyde | | 1.215 | 1.139 | 1.040 | 0.849 | 0.782 | 0.966 | 19.8 |
| Phenol-d6 | | 1.834 | 1.773 | 1.736 | 1.566 | 1.569 | 1.640 | 8.6 |
| Phenol | | 1.943 | 1.902 | 1.861 | 1.701 | 1.665 | 1.756 | 8.4 |
| bis(2-Chloroethyl)ether | | 1.445 | 1.372 | 1.363 | 1.256 | 1.279 | 1.308 | 6.9 |
| 2-Chlorophenol | | 1.561 | 1.476 | 1.458 | 1.345 | 1.338 | 1.389 | 8.2 |
| 2-Methylphenol | | 1.209 | 1.175 | 1.182 | 1.088 | 1.091 | 1.121 | 6.0 |
| 2,2-oxybis(1-Chloropropane) | | 2.046 | 1.913 | 1.939 | 1.766 | 1.746 | 1.826 | 7.8 |
| Acetophenone | | 0.539 | 0.516 | 0.507 | 0.445 | 0.455 | 0.475 | 9.4 |
| 3+4-Methylphenols | | 1.631 | 1.529 | 1.527 | 1.375 | 1.342 | 1.415 | 10.9 |
| n-Nitroso-di-n-propylamine | 1.062 | 1.068 | 1.011 | 1.009 | 0.906 | 0.915 | 0.966 | 8.4 |
| Nitrobenzene-d5 | | 0.400 | 0.390 | 0.394 | 0.365 | 0.370 | 0.377 | 4.8 |
| Hexachloroethane | | 0.610 | 0.591 | 0.595 | 0.548 | 0.551 | 0.565 | 6.4 |
| Nitrobenzene | | 0.419 | 0.410 | 0.411 | 0.377 | 0.384 | 0.393 | 5.2 |
| Isophorone | | 0.692 | 0.668 | 0.674 | 0.617 | 0.629 | 0.645 | 5.1 |
| 2-Nitrophenol | | 0.161 | 0.173 | 0.190 | 0.178 | 0.184 | 0.179 | 5.3 |
| 2,4-Dimethylphenol | | 0.252 | 0.244 | 0.250 | 0.236 | 0.239 | 0.241 | 3.3 |
| bis(2-Chloroethoxy)methane | | 0.435 | 0.419 | 0.430 | 0.387 | 0.393 | 0.405 | 5.6 |
| 2,4-Dichlorophenol | | 0.296 | 0.296 | 0.300 | 0.277 | 0.286 | 0.287 | 4.3 |
| Naphthalene | | 1.178 | 1.126 | 1.131 | 0.998 | 1.023 | 1.055 | 8.6 |
| 4-Chloroaniline | | 0.397 | 0.390 | 0.386 | 0.345 | 0.349 | 0.365 | 7.1 |
| Hexachlorobutadiene | | 0.213 | 0.207 | 0.208 | 0.188 | 0.194 | 0.197 | 6.2 |
| Caprolactam | | 0.096 | 0.092 | 0.099 | 0.091 | 0.094 | 0.094 | 3.0 |
| 4-Chloro-3-methylphenol | | 0.331 | 0.322 | 0.327 | 0.302 | 0.313 | 0.313 | 4.4 |
| 2-Methylnaphthalene | | 0.751 | 0.719 | 0.710 | 0.638 | 0.654 | 0.672 | 8.3 |
| Hexachlorocyclopentadiene | | 0.170 | 0.181 | 0.201 | 0.200 | 0.189 | 0.188 | 5.7 |
| 2,4,6-Trichlorophenol | | 0.399 | 0.384 | 0.412 | 0.380 | 0.382 | 0.387 | 3.4 |
| 2-Fluorobiphenyl | | 1.582 | 1.459 | 1.408 | 1.225 | 1.224 | 1.310 | 13.4 |
| 2,4,5-Trichlorophenol | | 0.429 | 0.419 | 0.418 | 0.401 | 0.411 | 0.409 | 4.1 |
| 1,1-Biphenyl | | 1.761 | 1.671 | 1.654 | 1.490 | 1.491 | 1.553 | 9.3 |
| 2-Chloronaphthalene | | 1.345 | 1.288 | 1.273 | 1.164 | 1.174 | 1.210 | 7.8 |
| 2-Nitroaniline | | 0.360 | 0.358 | 0.365 | 0.351 | 0.365 | 0.359 | 2.0 |
| Dimethylphthalate | | 1.447 | 1.406 | 1.404 | 1.299 | 1.318 | 1.343 | 5.8 |
| Acenaphthylene | | 1.915 | 1.820 | 1.830 | 1.660 | 1.678 | 1.728 | 7.5 |

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: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG No.: Q1069

Instrument ID: BNA_F Calibration Date(s): 01/10/2025 01/10/2025

Calibration Time(s): 11:58 17:45

LAB FILE ID: RRF2.5 = BF141109.D RRF005 = BF141110.D RRF010 = BF141111.D
RRF020 = BF141112.D RRF040 = BF141113.D RRF050 = BF141117.D

| COMPOUND | RRF2.5 | RRF005 | RRF010 | RRF020 | RRF040 | RRF050 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| 2,6-Dinitrotoluene | | 0.308 | 0.317 | 0.328 | 0.312 | 0.315 | 0.312 | 3.3 |
| 3-Nitroaniline | | 0.321 | 0.324 | 0.333 | 0.316 | 0.320 | 0.317 | 3.7 |
| Acenaphthene | | 1.317 | 1.267 | 1.274 | 1.165 | 1.185 | 1.208 | 6.7 |
| 2,4-Dinitrophenol | | | 0.097 | 0.133 | 0.155 | 0.168 | 0.148 | 19.4 |
| 4-Nitrophenol | | 0.224 | 0.241 | 0.255 | 0.250 | 0.264 | 0.248 | 5.3 |
| Dibenzofuran | | 1.866 | 1.736 | 1.738 | 1.586 | 1.585 | 1.642 | 8.8 |
| 2,4-Dinitrotoluene | | 0.372 | 0.401 | 0.423 | 0.395 | 0.424 | 0.402 | 4.7 |
| Diethylphthalate | | 1.416 | 1.397 | 1.378 | 1.253 | 1.289 | 1.311 | 6.6 |
| 4-Chlorophenyl-phenylether | | 0.709 | 0.672 | 0.663 | 0.594 | 0.593 | 0.622 | 9.7 |
| Fluorene | | 1.488 | 1.403 | 1.359 | 1.197 | 1.213 | 1.276 | 11.1 |
| 4-Nitroaniline | | 0.314 | 0.312 | 0.315 | 0.300 | 0.323 | 0.311 | 3.1 |
| 4,6-Dinitro-2-methylphenol | | 0.077 | 0.095 | 0.120 | 0.129 | 0.130 | 0.116 | 18.4 |
| n-Nitrosodiphenylamine | | 0.706 | 0.677 | 0.683 | 0.651 | 0.603 | 0.645 | 7.4 |
| 2,4,6-Tribromophenol | | 0.233 | 0.233 | 0.235 | 0.219 | 0.230 | 0.228 | 3.0 |
| 4-Bromophenyl-phenylether | | 0.241 | 0.237 | 0.238 | 0.232 | 0.220 | 0.230 | 4.2 |
| Hexachlorobenzene | | 0.273 | 0.263 | 0.266 | 0.257 | 0.244 | 0.256 | 4.8 |
| Atrazine | | 0.213 | 0.201 | 0.170 | 0.141 | 0.184 | 0.174 | 16.3 |
| Pentachlorophenol | | 0.142 | 0.162 | 0.171 | 0.173 | 0.169 | 0.164 | 6.6 |
| Phenanthrene | | 1.218 | 1.152 | 1.122 | 1.064 | 1.014 | 1.074 | 9.0 |
| Anthracene | | 1.162 | 1.111 | 1.095 | 1.042 | 0.994 | 1.044 | 8.2 |
| Carbazole | | 1.052 | 1.025 | 1.011 | 0.944 | 0.935 | 0.957 | 8.1 |
| Di-n-butylphthalate | | 1.186 | 1.177 | 1.139 | 1.087 | 1.079 | 1.096 | 7.3 |
| Fluoranthene | | 1.211 | 1.188 | 1.104 | 1.037 | 1.051 | 1.071 | 9.7 |
| Pyrene | | 1.952 | 1.977 | 2.081 | 1.848 | 1.839 | 1.910 | 6.1 |
| Terphenyl-d14 | | 1.444 | 1.424 | 1.483 | 1.272 | 1.280 | 1.346 | 8.4 |
| Butylbenzylphthalate | | 0.583 | 0.629 | 0.663 | 0.614 | 0.677 | 0.637 | 5.4 |
| 3,3-Dichlorobenzidine | | 0.434 | 0.422 | 0.444 | 0.418 | 0.426 | 0.433 | 2.7 |
| Benzo(a)anthracene | | 1.473 | 1.420 | 1.427 | 1.245 | 1.329 | 1.361 | 6.3 |
| Chrysene | | 1.382 | 1.316 | 1.336 | 1.207 | 1.237 | 1.274 | 5.5 |
| Bis(2-ethylhexyl)phthalate | | 0.734 | 0.768 | 0.807 | 0.726 | 0.819 | 0.764 | 5.4 |
| Di-n-octyl phthalate | | 0.950 | 1.039 | 1.169 | 1.151 | 1.235 | 1.154 | 10.5 |
| Benzo(b)fluoranthene | | 1.461 | 1.415 | 1.290 | 1.201 | 1.315 | 1.290 | 9.0 |
| Benzo(k)fluoranthene | | 1.128 | 1.102 | 1.141 | 1.043 | 1.038 | 1.090 | 3.7 |
| Benzo(a)pyrene | | 1.103 | 1.090 | 1.095 | 1.039 | 1.048 | 1.064 | 3.3 |
| Indeno(1,2,3-cd)pyrene | | 1.472 | 1.420 | 1.558 | 1.472 | 1.421 | 1.465 | 4.5 |

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: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG No.: Q1069

Instrument ID: BNA_F Calibration Date(s): 01/10/2025 01/10/2025

Calibration Time(s): 11:58 17:45

LAB FILE ID: RRF2.5 = BF141109.D RRF005 = BF141110.D RRF010 = BF141111.D
RRF020 = BF141112.D RRF040 = BF141113.D RRF050 = BF141117.D

| COMPOUND | RRF2.5 | RRF005 | RRF010 | RRF020 | RRF040 | RRF050 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dibenzo(a,h)anthracene | | 1.174 | 1.178 | 1.262 | 1.197 | 1.150 | 1.185 | 5.0 |
| Benzo(g,h,i)perylene | | 1.256 | 1.221 | 1.347 | 1.263 | 1.195 | 1.233 | 7.6 |
| 1,2,4,5-Tetrachlorobenzene | | 0.632 | 0.601 | 0.604 | 0.554 | 0.552 | 0.574 | 6.8 |
| 1,4-Dioxane | | 0.616 | 0.596 | 0.598 | 0.563 | 0.573 | 0.577 | 5.2 |
| 2,3,4,6-Tetrachlorophenol | | 0.353 | 0.358 | 0.354 | 0.332 | 0.333 | 0.340 | 4.7 |

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-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 10 22:54:19 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141109.D 5 =BF141110.D 10 =BF141111.D 20 =BF141112.D 40 =BF141113.D 50 =BF141117.D 60 =BF141118.D 80 =BF1411
19.D

| | | Compound | 2.5 | 5 | 10 | 20 | 40 | 50 | 60 | 80 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | | | |
| 2) | | 1,4-Dioxane | | 0.616 | 0.596 | 0.598 | 0.563 | 0.573 | 0.564 | 0.525 | 0.577 | 5.24 |
| 3) | | Pyridine | | 1.579 | 1.520 | 1.486 | 1.360 | 1.364 | 1.346 | 1.242 | 1.414 | 8.34 |
| 4) | | n-Nitrosodimet... | | 0.716 | 0.715 | 0.709 | 0.678 | 0.688 | 0.688 | 0.644 | 0.691 | 3.71 |
| 5) | S | 2-Fluorophenol | | 1.453 | 1.400 | 1.378 | 1.248 | 1.236 | 1.227 | 1.121 | 1.295 | 9.11 |
| 6) | | Aniline | | 1.656 | 1.583 | 1.561 | 1.424 | 1.385 | 1.360 | 1.222 | 1.456 | 10.39 |
| 7) | S | Phenol-d6 | | 1.834 | 1.773 | 1.736 | 1.566 | 1.569 | 1.547 | 1.454 | 1.640 | 8.56 |
| 8) | | 2-Chlorophenol | | 1.561 | 1.476 | 1.458 | 1.345 | 1.338 | 1.321 | 1.225 | 1.389 | 8.20 |
| 9) | | Benzaldehyde | | 1.215 | 1.139 | 1.040 | 0.849 | 0.782 | 0.771 | | 0.966 | 19.81 |
| 10) | C | Phenol | | 1.943 | 1.902 | 1.861 | 1.701 | 1.665 | 1.668 | 1.548 | 1.756 | 8.38 |
| 11) | | bis(2-Chloroet... | | 1.445 | 1.372 | 1.363 | 1.256 | 1.279 | 1.264 | 1.178 | 1.308 | 6.86 |
| 12) | | 1,3-Dichlorobe... | | 1.714 | 1.662 | 1.648 | 1.476 | 1.506 | 1.466 | 1.372 | 1.549 | 8.14 |
| 13) | C | 1,4-Dichlorobe... | | 1.766 | 1.653 | 1.668 | 1.495 | 1.495 | 1.480 | 1.370 | 1.561 | 8.81 |
| 14) | | 1,2-Dichlorobe... | | 1.670 | 1.579 | 1.572 | 1.382 | 1.388 | 1.363 | 1.239 | 1.456 | 10.50 |
| 15) | | Benzyl Alcohol | | 1.291 | 1.240 | 1.244 | 1.158 | 1.164 | 1.144 | 1.048 | 1.184 | 6.85 |
| 16) | | 2,2'-oxybis(1-... | | 2.046 | 1.913 | 1.939 | 1.766 | 1.746 | 1.730 | 1.640 | 1.826 | 7.82 |
| 17) | | 2-Methylphenol | | 1.209 | 1.175 | 1.182 | 1.088 | 1.091 | 1.077 | 1.027 | 1.121 | 6.00 |
| 18) | | Hexachloroethane | | 0.610 | 0.591 | 0.595 | 0.548 | 0.551 | 0.550 | 0.507 | 0.565 | 6.35 |
| 19) | P | n-Nitroso-di-n... | 1.062 | 1.068 | 1.011 | 1.009 | 0.906 | 0.915 | 0.902 | 0.854 | 0.966 | 8.40 |
| 20) | | 3+4-Methylphenols | | 1.631 | 1.529 | 1.527 | 1.375 | 1.342 | 1.319 | 1.180 | 1.415 | 10.93 |
| 21) | I | Naphthalene-d8 | ----------ISTD---------- | | | | | | | | | |
| 22) | | Acetophenone | | 0.539 | 0.516 | 0.507 | 0.445 | 0.455 | 0.449 | 0.417 | 0.475 | 9.43 |
| 23) | S | Nitrobenzene-d5 | | 0.400 | 0.390 | 0.394 | 0.365 | 0.370 | 0.372 | 0.349 | 0.377 | 4.82 |
| 24) | | Nitrobenzene | | 0.419 | 0.410 | 0.411 | 0.377 | 0.384 | 0.388 | 0.364 | 0.393 | 5.20 |
| 25) | | Isophorone | | 0.692 | 0.668 | 0.674 | 0.617 | 0.629 | 0.628 | 0.605 | 0.645 | 5.09 |
| 26) | C | 2-Nitrophenol | | 0.161 | 0.173 | 0.190 | 0.178 | 0.184 | 0.187 | 0.179 | 0.179 | 5.30 |
| 27) | | 2,4-Dimethylph... | | 0.252 | 0.244 | 0.250 | 0.236 | 0.239 | 0.238 | 0.229 | 0.241 | 3.27 |
| 28) | | bis(2-Chloroet... | | 0.435 | 0.419 | 0.430 | 0.387 | 0.393 | 0.393 | 0.377 | 0.405 | 5.61 |
| 29) | C | 2,4-Dichloroph... | | 0.296 | 0.296 | 0.300 | 0.277 | 0.286 | 0.284 | 0.266 | 0.287 | 4.31 |
| 30) | | 1,2,4-Trichlor... | | 0.356 | 0.344 | 0.348 | 0.314 | 0.317 | 0.316 | 0.299 | 0.328 | 6.49 |
| 31) | | Naphthalene | | 1.178 | 1.126 | 1.131 | 0.998 | 1.023 | 0.997 | 0.929 | 1.055 | 8.60 |
| 32) | | Benzoic acid | | 0.182 | 0.211 | 0.231 | 0.238 | 0.251 | 0.258 | 0.250 | 0.231 | 11.68 |
| 33) | | 4-Chloroaniline | | 0.397 | 0.390 | 0.386 | 0.345 | 0.349 | 0.355 | 0.331 | 0.365 | 7.09 |
| 34) | C | Hexachlorobuta... | | 0.213 | 0.207 | 0.208 | 0.188 | 0.194 | 0.191 | 0.180 | 0.197 | 6.17 |
| 35) | | Caprolactam | | 0.096 | 0.092 | 0.099 | 0.091 | 0.094 | 0.094 | 0.091 | 0.094 | 3.00 |
| 36) | C | 4-Chloro-3-met... | | 0.331 | 0.322 | 0.327 | 0.302 | 0.313 | 0.307 | 0.293 | 0.313 | 4.39 |
| 37) | | 2-Methylnaphth... | | 0.751 | 0.719 | 0.710 | 0.638 | 0.654 | 0.637 | 0.595 | 0.672 | 8.30 |
| 38) | | 1-Methylnaphth... | | 0.747 | 0.712 | 0.710 | 0.625 | 0.635 | 0.627 | 0.581 | 0.662 | 9.11 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF011025.M

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 39) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 40) | | 1,2,4,5-Tetrac... | 0.632 | 0.601 | 0.604 | 0.554 | 0.552 | 0.554 | 0.520 | 0.574 | 6.83 |
| 41) | P | Hexachlorocycl... | 0.170 | 0.181 | 0.201 | 0.200 | 0.189 | 0.191 | 0.182 | 0.188 | 5.74 |
| 42) | S | 2,4,6-Tribromo... | 0.233 | 0.233 | 0.235 | 0.219 | 0.230 | 0.226 | 0.220 | 0.228 | 2.96 |
| 43) | C | 2,4,6-Trichlor... | 0.399 | 0.384 | 0.412 | 0.380 | 0.382 | 0.377 | 0.377 | 0.387 | 3.37 |
| 44) | | 2,4,5-Trichlor... | 0.429 | 0.419 | 0.418 | 0.401 | 0.411 | 0.407 | 0.377 | 0.409 | 4.07 |
| 45) | S | 2-Fluorobiphenyl | 1.582 | 1.459 | 1.408 | 1.225 | 1.224 | 1.176 | 1.094 | 1.310 | 13.42 |
| 46) | | 1,1'-Biphenyl | 1.761 | 1.671 | 1.654 | 1.490 | 1.491 | 1.452 | 1.354 | 1.553 | 9.28 |
| 47) | | 2-Chloronaphth... | 1.345 | 1.288 | 1.273 | 1.164 | 1.174 | 1.145 | 1.079 | 1.210 | 7.78 |
| 48) | | 2-Nitroaniline | 0.360 | 0.358 | 0.365 | 0.351 | 0.365 | 0.365 | 0.347 | 0.359 | 2.04 |
| 49) | | Acenaphthylene | 1.915 | 1.820 | 1.830 | 1.660 | 1.678 | 1.654 | 1.540 | 1.728 | 7.54 |
| 50) | | Dimethylphthalate | 1.447 | 1.406 | 1.404 | 1.299 | 1.318 | 1.292 | 1.232 | 1.343 | 5.76 |
| 51) | | 2,6-Dinitrotol... | 0.308 | 0.317 | 0.328 | 0.312 | 0.315 | 0.312 | 0.294 | 0.312 | 3.27 |
| 52) | C | Acenaphthene | 1.317 | 1.267 | 1.274 | 1.165 | 1.185 | 1.160 | 1.086 | 1.208 | 6.69 |
| 53) | | 3-Nitroaniline | 0.321 | 0.324 | 0.333 | 0.316 | 0.320 | 0.312 | 0.295 | 0.317 | 3.73 |
| 54) | P | 2,4-Dinitrophenol | | 0.097 | 0.133 | 0.155 | 0.168 | 0.167 | 0.171 | 0.148 | 19.39 |
| 55) | | Dibenzofuran | 1.866 | 1.736 | 1.738 | 1.586 | 1.585 | 1.546 | 1.440 | 1.642 | 8.77 |
| 56) | P | 4-Nitrophenol | 0.224 | 0.241 | 0.255 | 0.250 | 0.264 | 0.258 | 0.248 | 0.248 | 5.29 |
| 57) | | 2,4-Dinitrotol... | 0.372 | 0.401 | 0.423 | 0.395 | 0.424 | 0.411 | 0.390 | 0.402 | 4.69 |
| 58) | | Fluorene | 1.488 | 1.403 | 1.359 | 1.197 | 1.213 | 1.182 | 1.091 | 1.276 | 11.13 |
| 59) | | 2,3,4,6-Tetrac... | 0.353 | 0.358 | 0.354 | 0.332 | 0.333 | 0.337 | 0.313 | 0.340 | 4.72 |
| 60) | | Diethylphthalate | 1.416 | 1.397 | 1.378 | 1.253 | 1.289 | 1.257 | 1.186 | 1.311 | 6.64 |
| 61) | | 4-Chlorophenyl... | 0.709 | 0.672 | 0.663 | 0.594 | 0.593 | 0.584 | 0.540 | 0.622 | 9.65 |
| 62) | | 4-Nitroaniline | 0.314 | 0.312 | 0.315 | 0.300 | 0.323 | 0.315 | 0.295 | 0.311 | 3.12 |
| 63) | | Azobenzene | 1.430 | 1.363 | 1.353 | 1.245 | 1.264 | 1.233 | 1.166 | 1.293 | 7.05 |
| 64) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 65) | | 4,6-Dinitro-2-... | 0.077 | 0.095 | 0.120 | 0.129 | 0.130 | 0.132 | 0.128 | 0.116 | 18.43 |
| 66) | c | n-Nitrosodiphe... | 0.706 | 0.677 | 0.683 | 0.651 | 0.603 | 0.622 | 0.574 | 0.645 | 7.39 |
| 67) | | 4-Bromophenyl-... | 0.241 | 0.237 | 0.238 | 0.232 | 0.220 | 0.229 | 0.215 | 0.230 | 4.20 |
| 68) | | Hexachlorobenzene | 0.273 | 0.263 | 0.266 | 0.257 | 0.244 | 0.252 | 0.239 | 0.256 | 4.81 |
| 69) | | Atrazine | 0.213 | 0.201 | 0.170 | 0.141 | 0.184 | 0.169 | 0.138 | 0.174 | 16.26 |
| 70) | C | Pentachlorophenol | 0.142 | 0.162 | 0.171 | 0.173 | 0.169 | 0.171 | 0.160 | 0.164 | 6.59 |
| 71) | | Phenanthrene | 1.218 | 1.152 | 1.122 | 1.064 | 1.014 | 1.012 | 0.935 | 1.074 | 8.98 |
| 72) | | Anthracene | 1.162 | 1.111 | 1.095 | 1.042 | 0.994 | 0.997 | 0.908 | 1.044 | 8.22 |
| 73) | | Carbazole | 1.052 | 1.025 | 1.011 | 0.944 | 0.935 | 0.901 | 0.833 | 0.957 | 8.09 |
| 74) | | Di-n-butylphth... | 1.186 | 1.177 | 1.139 | 1.087 | 1.079 | 1.043 | 0.958 | 1.096 | 7.33 |
| 75) | C | Fluoranthene | 1.211 | 1.188 | 1.104 | 1.037 | 1.051 | 0.987 | 0.923 | 1.071 | 9.70 |
| 76) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 77) | | Benzidine | 0.380 | 0.309 | 0.310 | 0.409 | 0.340 | 0.418 | 0.430 | 0.371 | 13.83 |
| 78) | | Pyrene | 1.952 | 1.977 | 2.081 | 1.848 | 1.839 | 1.955 | 1.720 | 1.910 | 6.14 |
| 79) | S | Terphenyl-d14 | 1.444 | 1.424 | 1.483 | 1.272 | 1.280 | 1.352 | 1.164 | 1.346 | 8.44 |
| 80) | | Butylbenzylpht... | 0.583 | 0.629 | 0.663 | 0.614 | 0.677 | 0.669 | 0.623 | 0.637 | 5.39 |
| 81) | | Benzo(a)anthra... | 1.473 | 1.420 | 1.427 | 1.245 | 1.329 | 1.367 | 1.266 | 1.361 | 6.28 |
| 82) | | 3,3'-Dichlorob... | 0.434 | 0.422 | 0.444 | 0.418 | 0.426 | 0.441 | 0.448 | 0.433 | 2.72 |
| 83) | | Chrysene | 1.382 | 1.316 | 1.336 | 1.207 | 1.237 | 1.238 | 1.200 | 1.274 | 5.54 |
| 84) | | Bis(2-ethylhex... | 0.734 | 0.768 | 0.807 | 0.726 | 0.819 | 0.783 | 0.712 | 0.764 | 5.41 |
| 85) | c | Di-n-octyl pht... | 0.950 | 1.039 | 1.169 | 1.151 | 1.235 | 1.244 | 1.291 | 1.154 | 10.51 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF011025.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 86) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | |
| 87) | | Indeno(1,2,3-c... | 1.472 | 1.420 | 1.558 | 1.472 | 1.421 | 1.539 | 1.374 | 1.465 | 4.55 |
| 88) | | Benzo(b)fluora... | 1.461 | 1.415 | 1.290 | 1.201 | 1.315 | 1.191 | 1.156 | 1.290 | 9.03 |
| 89) | | Benzo(k)fluora... | 1.128 | 1.102 | 1.141 | 1.043 | 1.038 | 1.103 | 1.074 | 1.090 | 3.67 |
| 90) | C | Benzo(a)pyrene | 1.103 | 1.090 | 1.095 | 1.039 | 1.048 | 1.067 | 1.007 | 1.064 | 3.29 |
| 91) | | Dibenzo(a,h)an... | 1.174 | 1.178 | 1.262 | 1.197 | 1.150 | 1.247 | 1.088 | 1.185 | 4.95 |
| 92) | | Benzo(g,h,i)pe... | 1.256 | 1.221 | 1.347 | 1.263 | 1.195 | 1.296 | 1.051 | 1.233 | 7.65 |

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141109.D
Acq On : 10 Jan 2025 11:58
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 10 22:17:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 168291 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.098 | 136 | 666433 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.857 | 164 | 361428 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.339 | 188 | 653596 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.986 | 240 | 377428 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.468 | 264 | 355792 | 20.000 | ng | 0.03 |
| 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... | 7.222 | 70 | 22337 | 2.748 | ng | 98 |

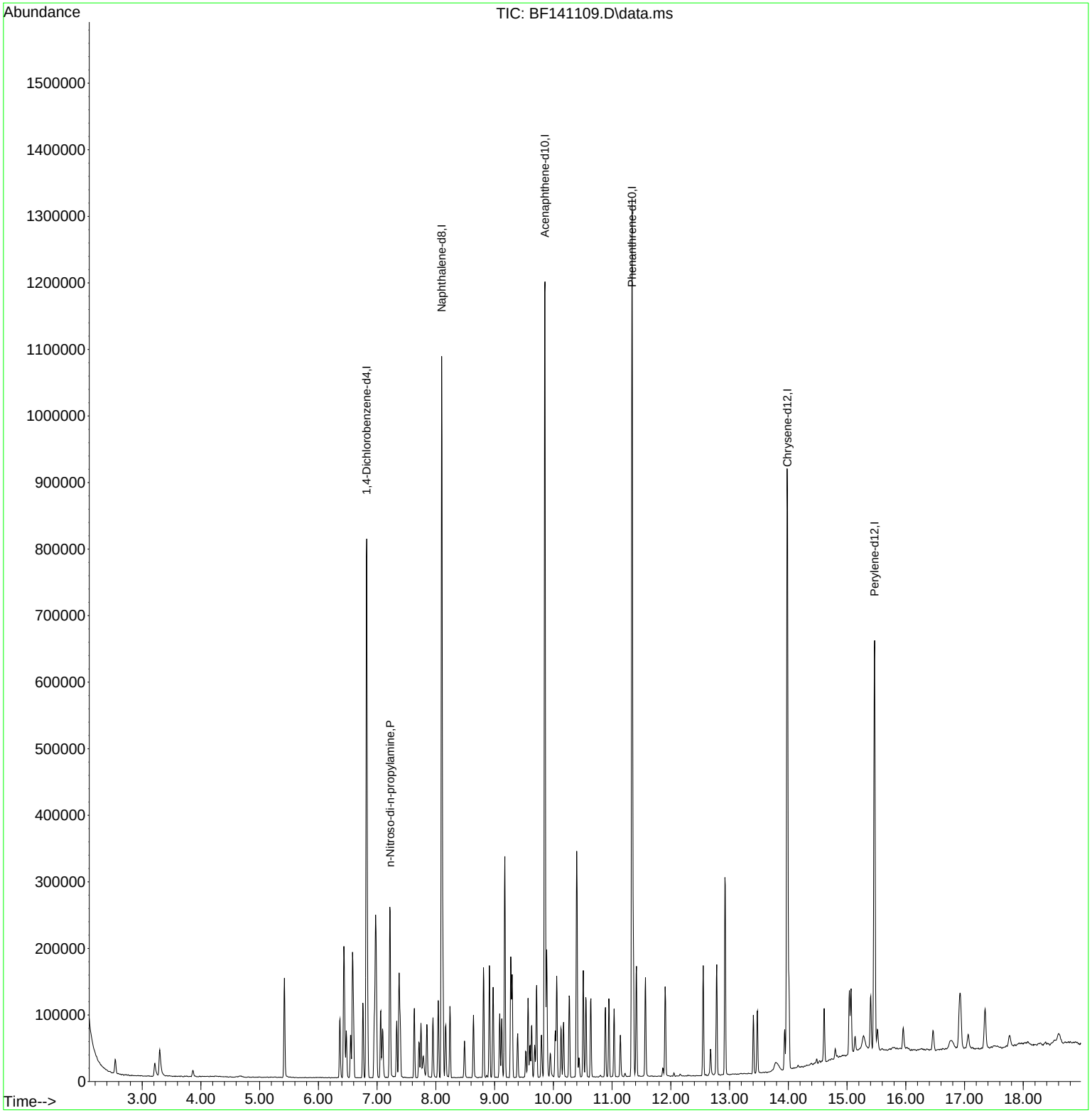
(#) = qualifier out of range (m) = manual integration (+) = signals summed

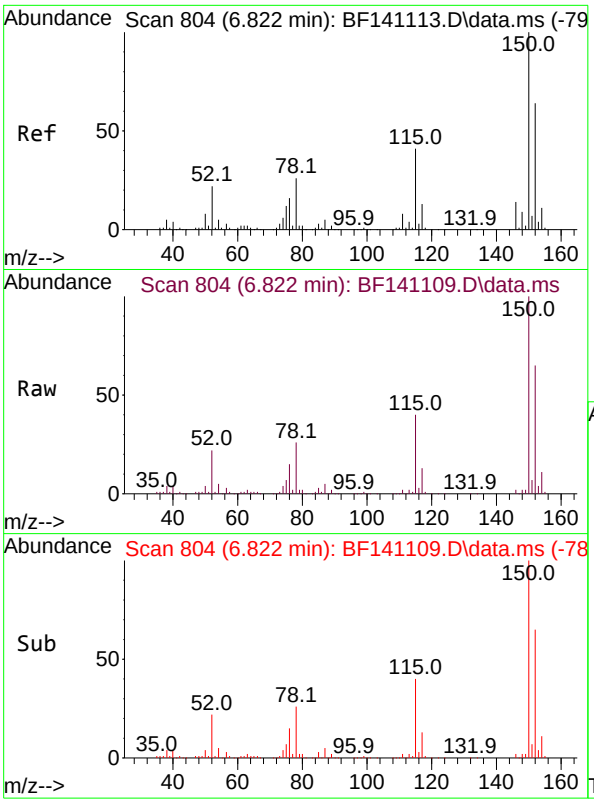
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141109.D
Acq On : 10 Jan 2025 11:58
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 10 22:17:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration



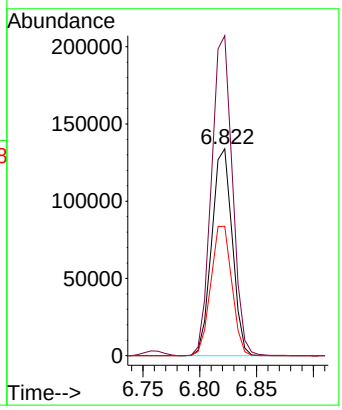


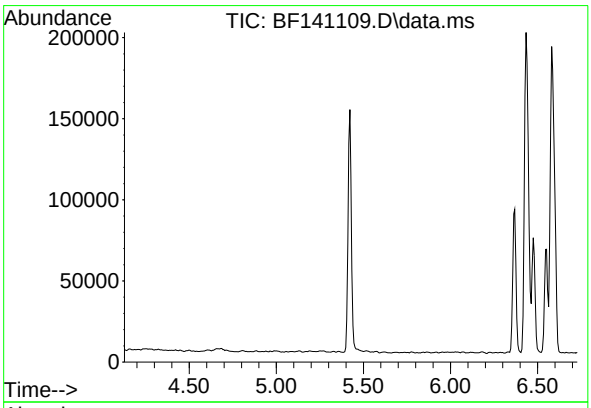

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

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

Tgt Ion:152 Resp: 168291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.7 | 125.8 | 188.8 |
| 115 | 62.6 | 51.4 | 77.2 |



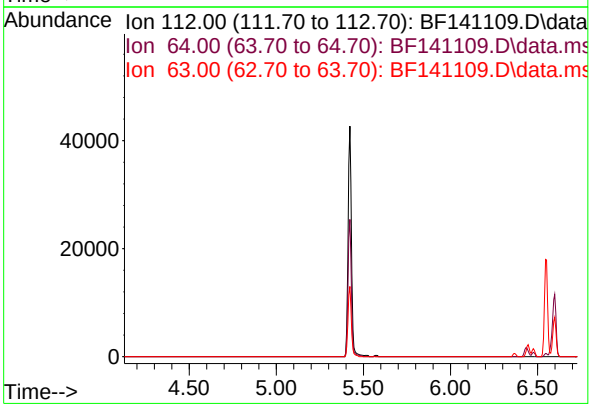



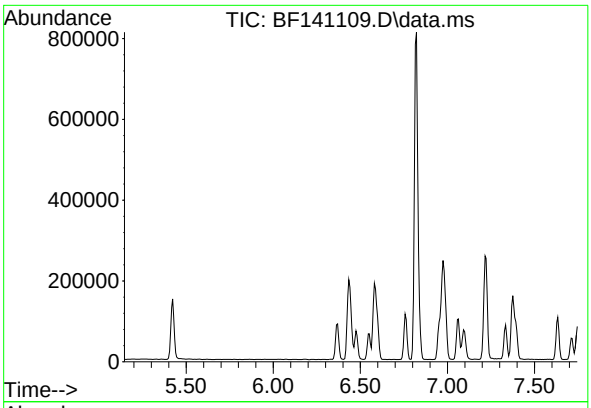

#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.43 min

Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

Tgt Ion: 112

| Sig | Exp Ratio |
|---|---|
| 112 | 100 |
| 64 | 59.1 |
| 63 | 30.2 |





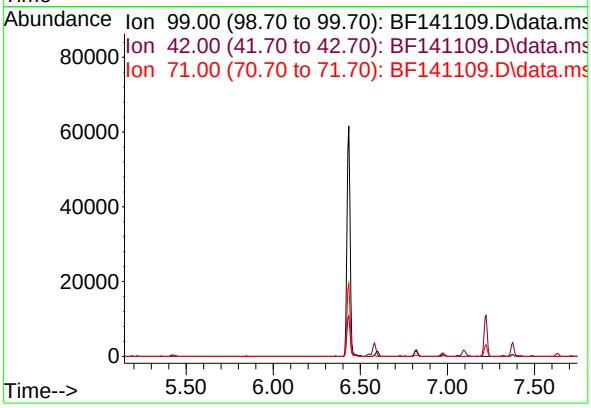

#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.45 min

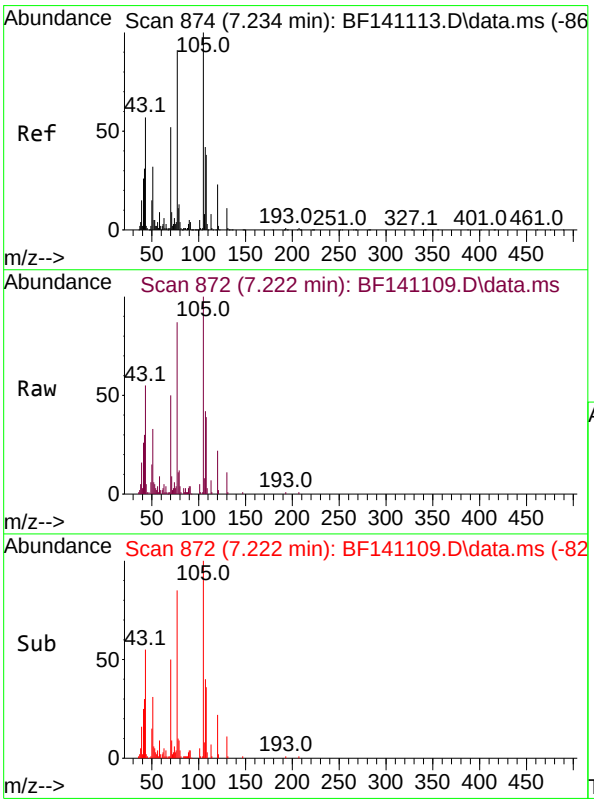
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC2.5

Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

Tgt Ion: 99

| Sig | Exp Ratio |
|---|---|
| 99 | 100 |
| 42 | 18.7 |
| 71 | 34.5 |

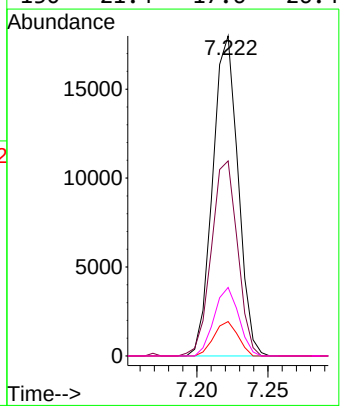


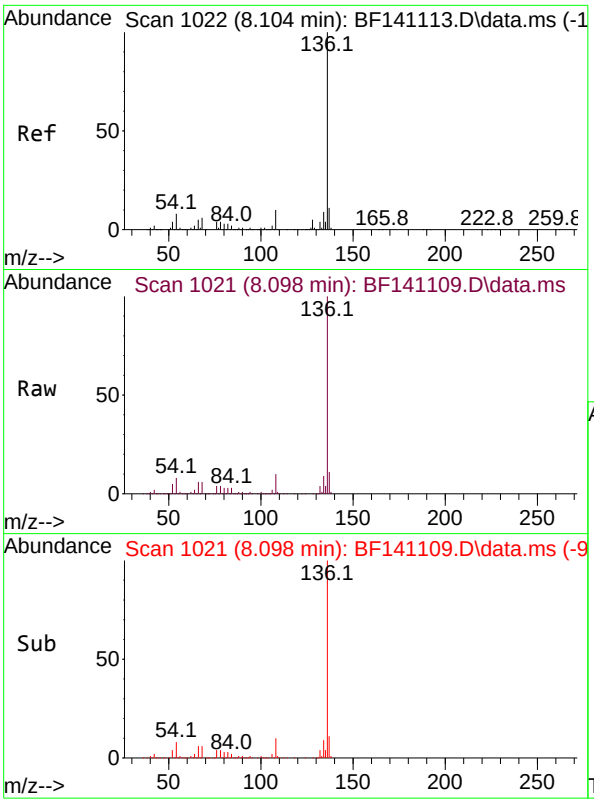




#19
n-Nitroso-di-n-propylamine
Concen: 2.748 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

Tgt Ion: 70 Resp: 22337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 61.0 | 47.8 | 71.6 |
| 101 | 10.7 | 7.9 | 11.9 |
| 130 | 21.4 | 17.6 | 26.4 |



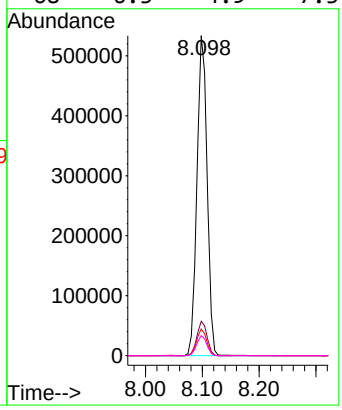


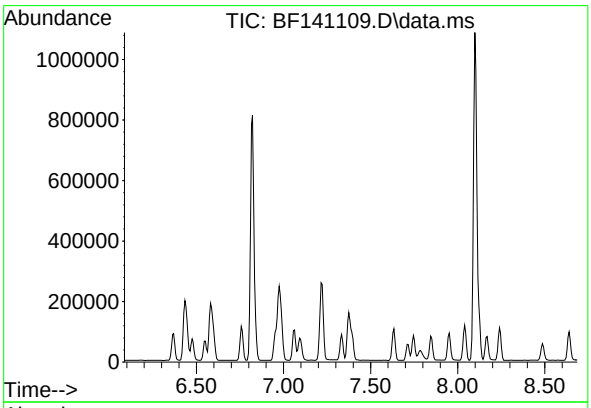

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

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

Tgt Ion:136 Resp: 666433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.8 | 13.2 |
| 54 | 8.3 | 6.3 | 9.5 |
| 68 | 6.3 | 4.9 | 7.3 |



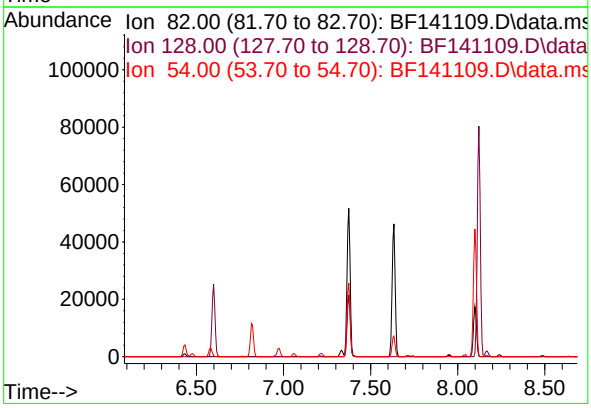



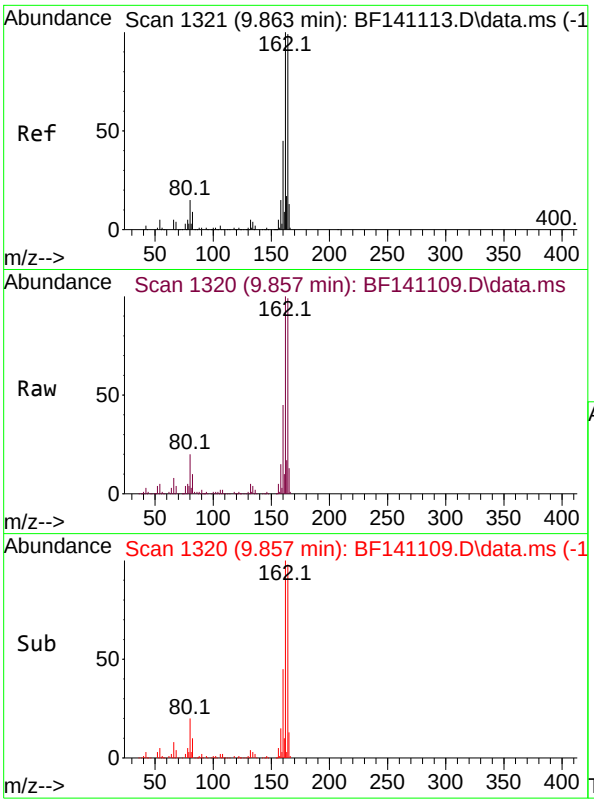

#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.39 min

Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

Tgt Ion: 82

| Sig | Exp Ratio |
|---|---|
| 82 | 100 |
| 128 | 45.1 |
| 54 | 51.2 |



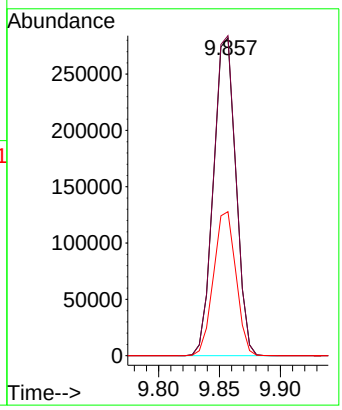


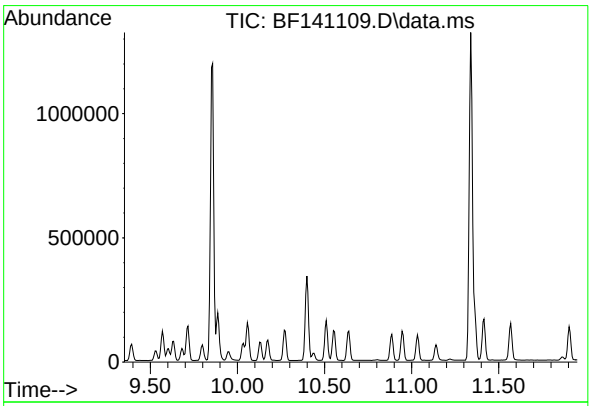

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

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

Tgt Ion:164 Resp: 361428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.7 | 81.0 | 121.4 |
| 160 | 45.3 | 36.1 | 54.1 |



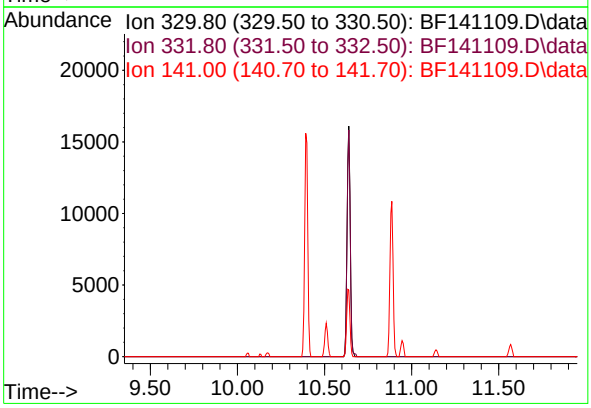



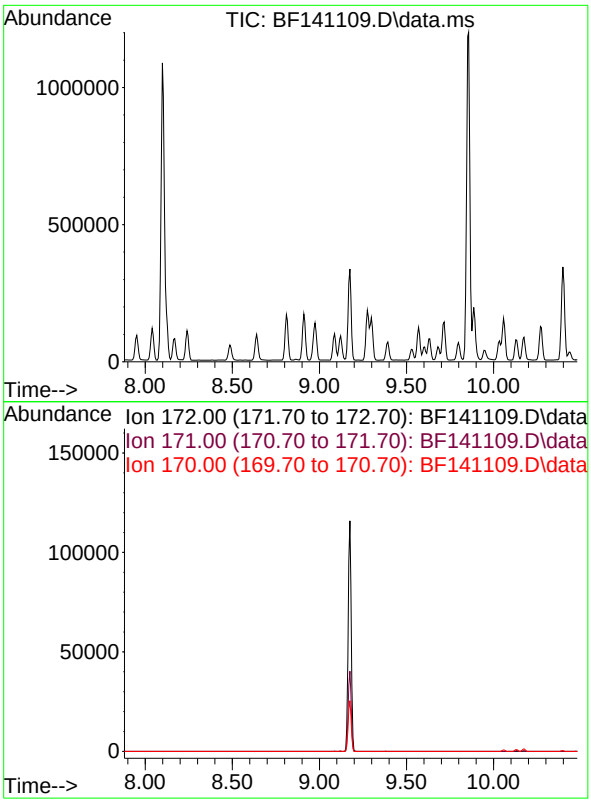

#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.65 min

Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

Tgt Ion: 330

| Sig | Exp Ratio |
|---|---|
| 330 | 100 |
| 332 | 96.1 |
| 141 | 31.5 |





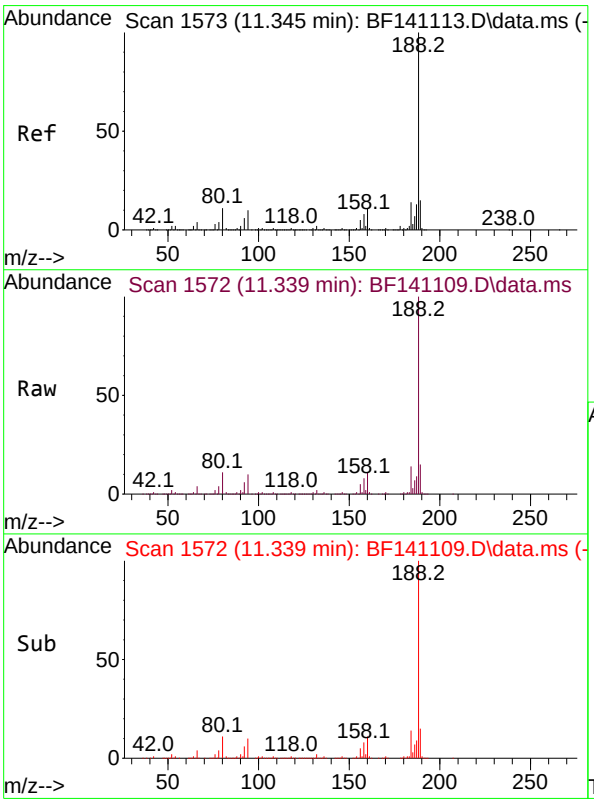

#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.18 min

Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

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

Tgt Ion: 172

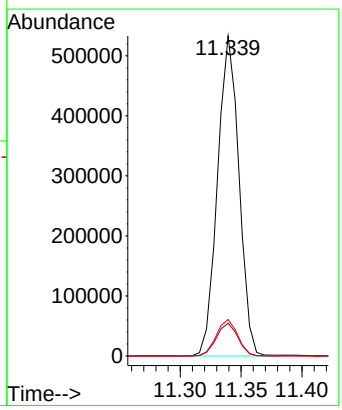
| Sig | Exp Ratio |
|---|---|
| 172 | 100 |
| 171 | 35.9 |
| 170 | 23.8 |

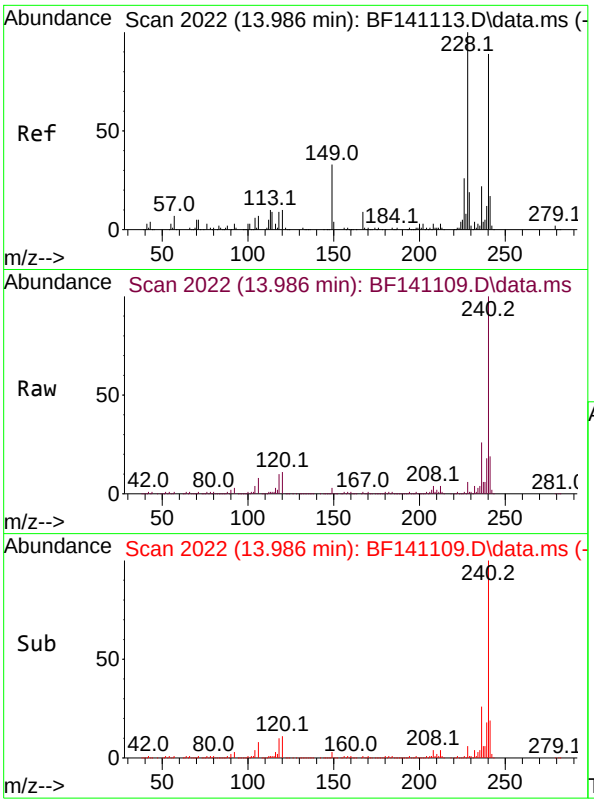



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

Tgt Ion:188 Resp: 653596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.2 | 8.3 | 12.5 |
| 80 | 11.4 | 9.0 | 13.4 |



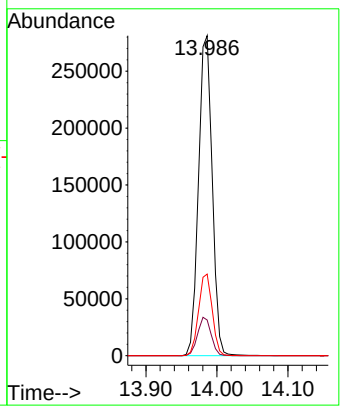


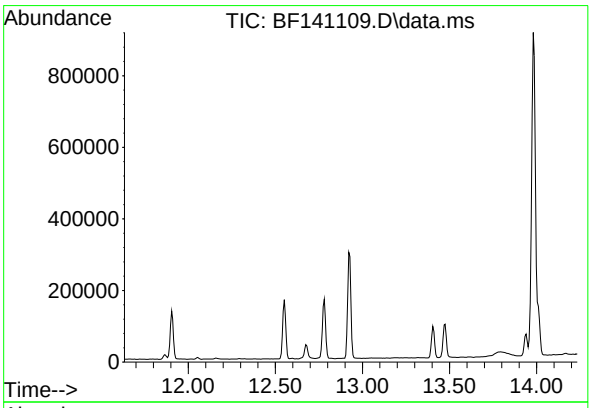

#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

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

Tgt Ion:240 Resp: 377428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.1 | 9.1 | 13.7 |
| 236 | 25.5 | 19.8 | 29.6 |



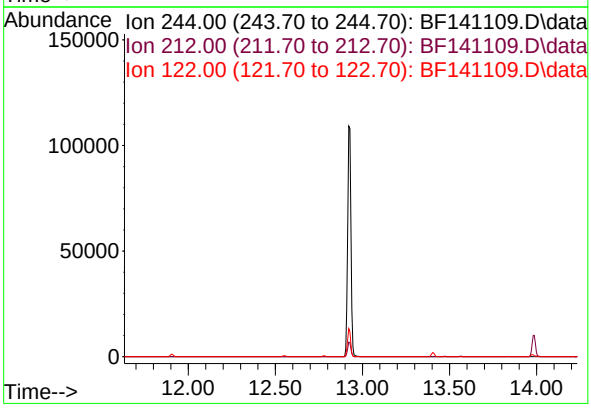



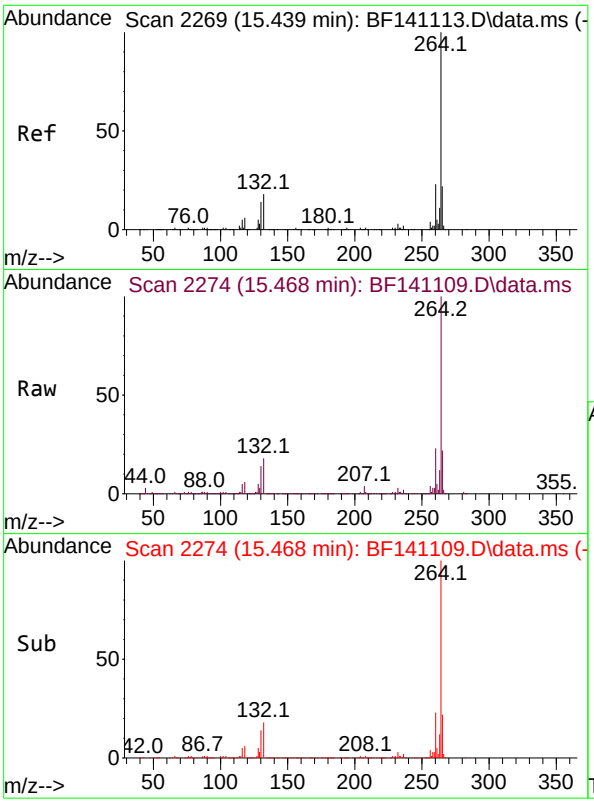

#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.93 min

Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

Tgt Ion: 244

| Sig | Exp Ratio |
|---|---|
| 244 | 100 |
| 212 | 6.8 |
| 122 | 11.0 |



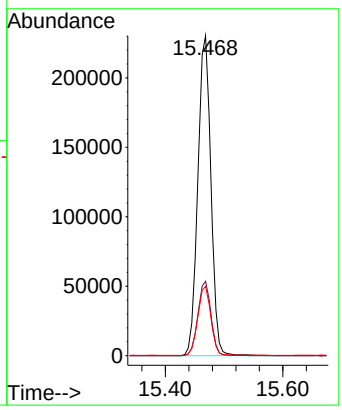



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

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

Tgt Ion:264 Resp: 355792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.6 | 28.0 |
| 265 | 21.6 | 17.4 | 26.0 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141110.D
Acq On : 10 Jan 2025 12:25
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jan 10 22:17:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 153416 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.098 | 136 | 614947 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.857 | 164 | 332087 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.339 | 188 | 581741 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.986 | 240 | 370828 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.463 | 264 | 306986 | 20.000 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.422 | 112 | 111466 | 11.224 | ng | | 0.00 |
| 7) Phenol-d6 | 6.434 | 99 | 140674 | 11.182 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.375 | 82 | 123133 | 10.614 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.639 | 330 | 38615 | 10.205 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.175 | 172 | 262701 | 12.080 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.927 | 244 | 267821 | 10.734 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.534 | 88 | 23641 | 5.346 | ng | | 98 |
| 3) Pyridine | 3.281 | 79 | 60557 | 5.584 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.205 | 42 | 27465 | 5.179 | ng | # | 99 |
| 6) Aniline | 6.475 | 93 | 63517 | 5.687 | ng | | 100 |
| 8) 2-Chlorophenol | 6.598 | 128 | 59870 | 5.619 | ng | | 98 |
| 9) Benzaldehyde | 6.369 | 77 | 46588 | 6.629 | ng | | 97 |
| 10) Phenol | 6.446 | 94 | 74522 | 5.534 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.551 | 93 | 55432 | 5.523 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.757 | 146 | 65753 | 5.533 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.840 | 146 | 67741 | 5.657 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.987 | 146 | 64051 | 5.734 | ng | | 98 |
| 15) Benzyl Alcohol | 6.951 | 79 | 49532 | 5.452 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.093 | 45 | 78464 | 5.603 | ng | | 99 |
| 17) 2-Methylphenol | 7.063 | 107 | 46377 | 5.391 | ng | | 98 |
| 18) Hexachloroethane | 7.334 | 117 | 23414 | 5.407 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.222 | 70 | 40948 | 5.526 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.216 | 107 | 62539 | 5.763 | ng | # | 84 |
| 22) Acetophenone | 7.222 | 105 | 82845 | 5.667 | ng | | 99 |
| 24) Nitrobenzene | 7.393 | 77 | 64399 | 5.326 | ng | | 97 |
| 25) Isophorone | 7.634 | 82 | 106336 | 5.364 | ng | | 100 |
| 26) 2-Nitrophenol | 7.716 | 139 | 24814 | 4.512 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.745 | 122 | 38719 | 5.219 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.845 | 93 | 66840 | 5.372 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 7.951 | 162 | 45561 | 5.171 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.040 | 180 | 54712 | 5.433 | ng | | 99 |
| 31) Naphthalene | 8.122 | 128 | 181124 | 5.585 | ng | | 99 |
| 32) Benzoic acid | 7.792 | 122 | 27905 | 3.921 | ng | | 98 |
| 33) 4-Chloroaniline | 8.169 | 127 | 61099 | 5.448 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.240 | 225 | 32815 | 5.408 | ng | | 99 |
| 35) Caprolactam | 8.492 | 113 | 14819 | 5.127 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.639 | 107 | 50853 | 5.278 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.810 | 142 | 115532 | 5.591 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.910 | 142 | 114809 | 5.637 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.981 | 216 | 52480 | 5.506 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 14138 | 4.534 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.087 | 196 | 33100 | 5.149 | ng | | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141110.D
Acq On : 10 Jan 2025 12:25
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jan 10 22:17:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.122 | 196 | 35605 | 5.244 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.275 | 154 | 146178 | 5.668 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.298 | 162 | 111654 | 5.559 | ng | 99 |
| 48) 2-Nitroaniline | 9.392 | 65 | 29900 | 5.021 | ng | 93 |
| 49) Acenaphthylene | 9.716 | 152 | 159028 | 5.541 | ng | 98 |
| 50) Dimethylphthalate | 9.569 | 163 | 120152 | 5.389 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.634 | 165 | 25553 | 4.929 | ng | 93 |
| 52) Acenaphthene | 9.886 | 154 | 109318 | 5.452 | ng | 98 |
| 53) 3-Nitroaniline | 9.798 | 138 | 26650 | 5.058 | ng | 96 |
| 55) Dibenzofuran | 10.057 | 168 | 154910 | 5.680 | ng | 98 |
| 56) 4-Nitrophenol | 9.951 | 139 | 18587 | 4.505 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 10.034 | 165 | 30860 | 4.619 | ng | 94 |
| 58) Fluorene | 10.404 | 166 | 123503 | 5.829 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.175 | 232 | 29338 | 5.199 | ng | 98 |
| 60) Diethylphthalate | 10.275 | 149 | 117549 | 5.401 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.398 | 204 | 58845 | 5.698 | ng | 99 |
| 62) 4-Nitroaniline | 10.404 | 138 | 26092 | 5.060 | ng | 98 |
| 63) Azobenzene | 10.557 | 77 | 118725 | 5.528 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.439 | 198 | 11249 | 3.337 | ng | 95 |
| 66) n-Nitrosodiphenylamine | 10.510 | 169 | 102664 | 5.471 | ng | 98 |
| 67) 4-Bromophenyl-phenylether | 10.886 | 248 | 35042 | 5.232 | ng | 99 |
| 68) Hexachlorobenzene | 10.951 | 284 | 39756 | 5.332 | ng | 98 |
| 69) Atrazine | 11.033 | 200 | 30974 | 6.131 | ng | 96 |
| 70) Pentachlorophenol | 11.139 | 266 | 20711 | 4.338 | ng | 94 |
| 71) Phenanthrene | 11.363 | 178 | 177095 | 5.670 | ng | 98 |
| 72) Anthracene | 11.416 | 178 | 168968 | 5.564 | ng | 98 |
| 73) Carbazole | 11.569 | 167 | 153065 | 5.497 | ng | 99 |
| 74) Di-n-butylphthalate | 11.904 | 149 | 172526 | 5.414 | ng | 99 |
| 75) Fluoranthene | 12.551 | 202 | 176105 | 5.650 | ng | 100 |
| 77) Benzidine | 12.680 | 184 | 35213 | 5.121 | ng | 98 |
| 78) Pyrene | 12.780 | 202 | 180982 | 5.110 | ng | 99 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 54011 | 4.574 | ng | 96 |
| 81) Benzo(a)anthracene | 13.974 | 228 | 136580 | 5.412 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.939 | 252 | 40239 | 5.007 | ng | 100 |
| 83) Chrysene | 14.010 | 228 | 128102 | 5.425 | ng | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149 | 68031 | 4.801 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.604 | 149 | 88039 | 4.115 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.904 | 276 | 113009 | 5.025 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.033 | 252 | 112121 | 5.664 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.063 | 252 | 86565 | 5.175 | ng | 98 |
| 90) Benzo(a)pyrene | 15.398 | 252 | 84656 | 5.183 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.927 | 278 | 90084 | 4.952 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.345 | 276 | 96418 | 5.096 | ng | 100 |

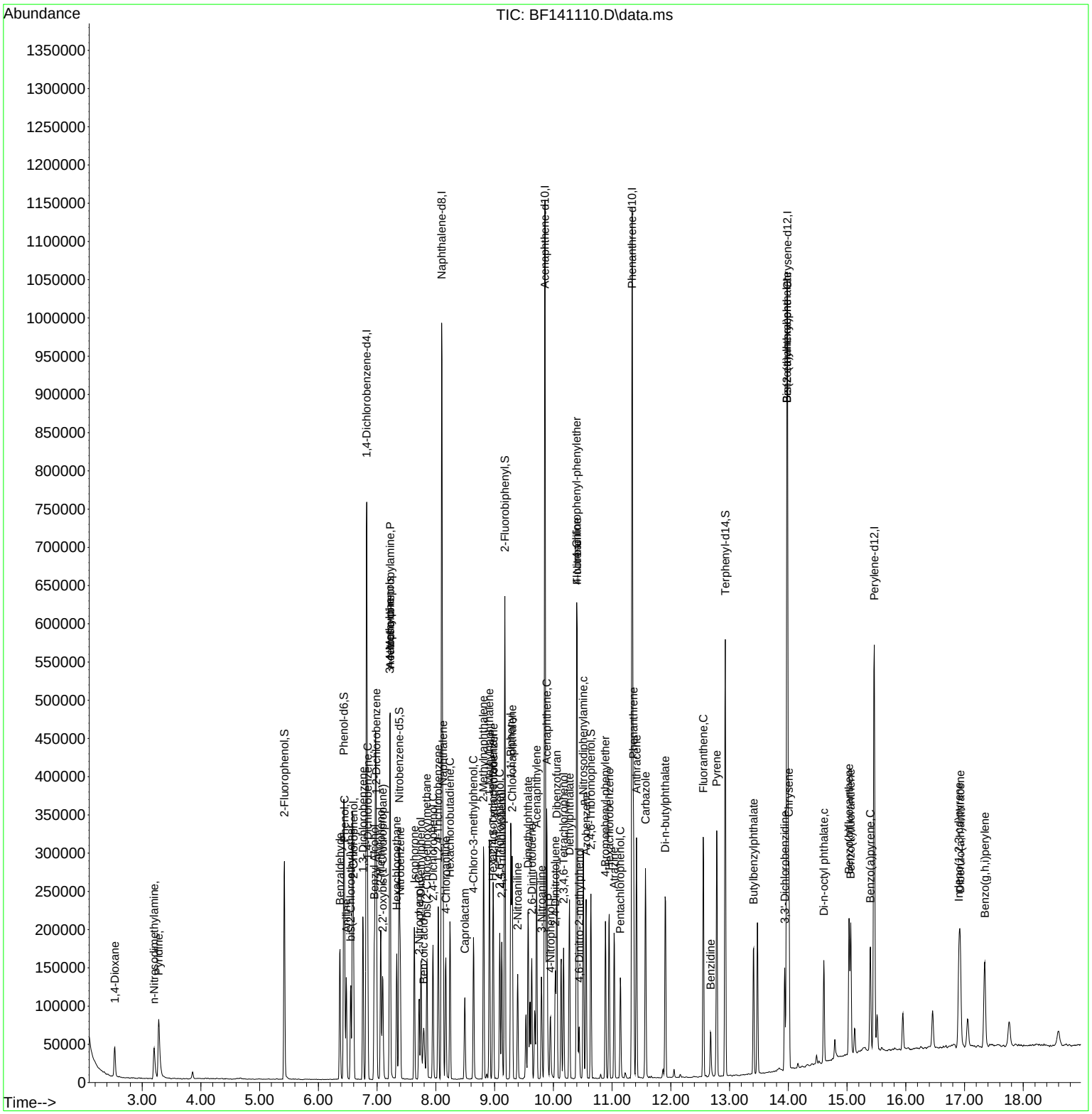
(#) = qualifier out of range (m) = manual integration (+) = signals summed

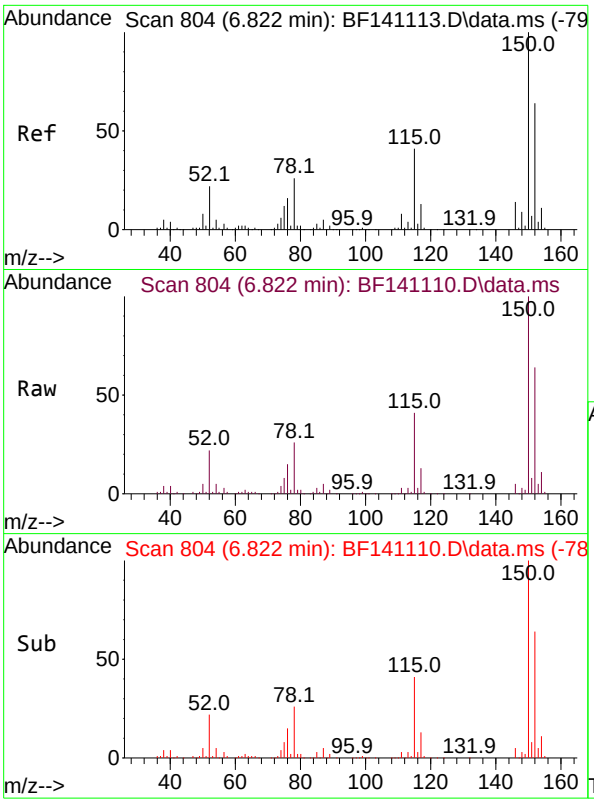
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141110.D
Acq On : 10 Jan 2025 12:25
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jan 10 22:17:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration



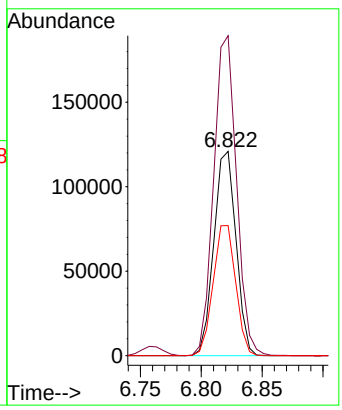


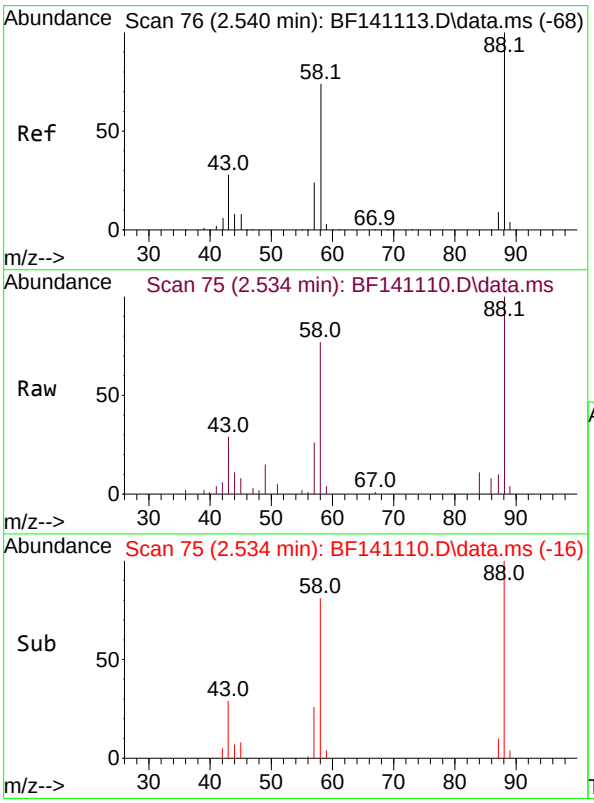

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:152 Resp: 153416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.7 | 125.8 | 188.8 |
| 115 | 63.7 | 51.4 | 77.2 |

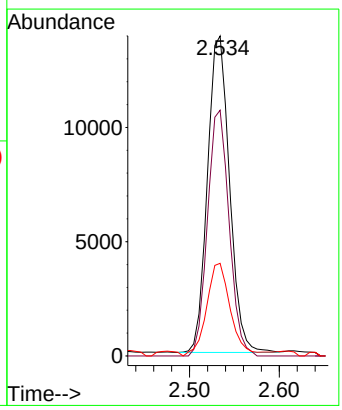


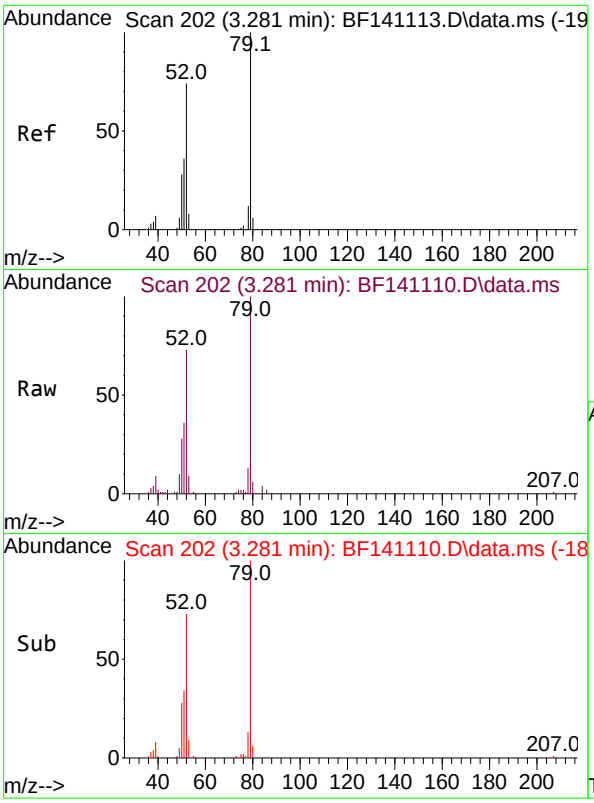




#2
1,4-Dioxane
Concen: 5.346 ng
RT: 2.534 min Scan# 75
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion: 88 Resp: 23641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 76.0 | 60.1 | 90.1 |
| 43 | 31.7 | 23.1 | 34.7 |



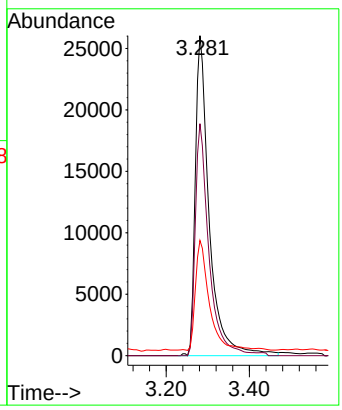


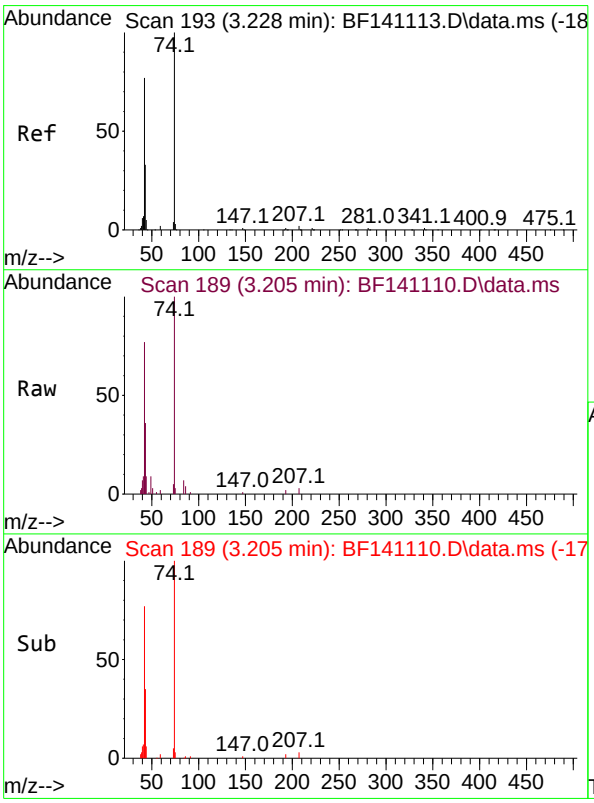

#3
Pyridine
Concen: 5.584 ng
RT: 3.281 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion: 79 Resp: 60557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 72.5 | 58.9 | 88.3 |
| 51 | 36.0 | 29.1 | 43.7 |

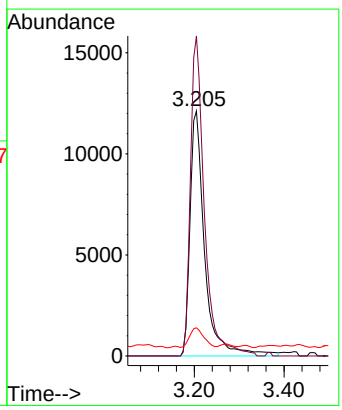


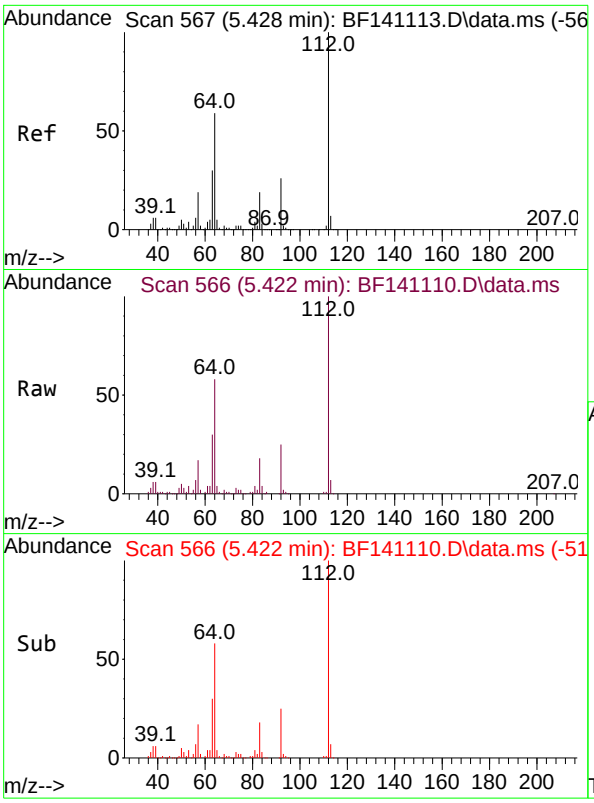




#4
n-Nitrosodimethylamine
Concen: 5.179 ng
RT: 3.205 min Scan# 189
Delta R.T. -0.023 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion: 42 Resp: 27465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 130.6 | 103.8 | 155.6 |
| 44 | 11.5 | 5.3 | 7.9# |



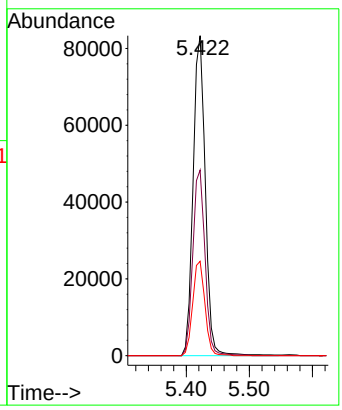


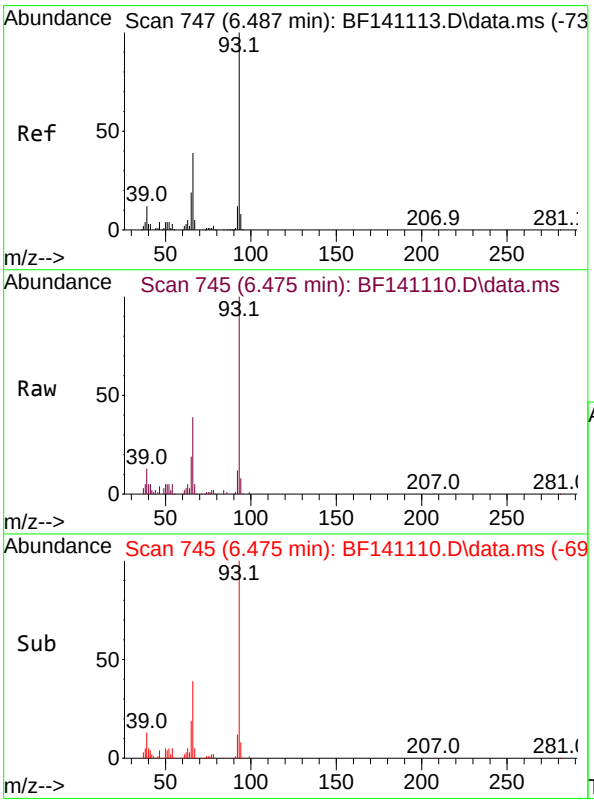

#5
2-Fluorophenol
Concen: 11.224 ng
RT: 5.422 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:112 Resp: 111466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.0 | 47.3 | 70.9 |
| 63 | 29.5 | 24.2 | 36.2 |

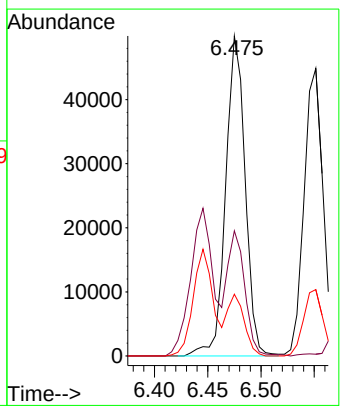


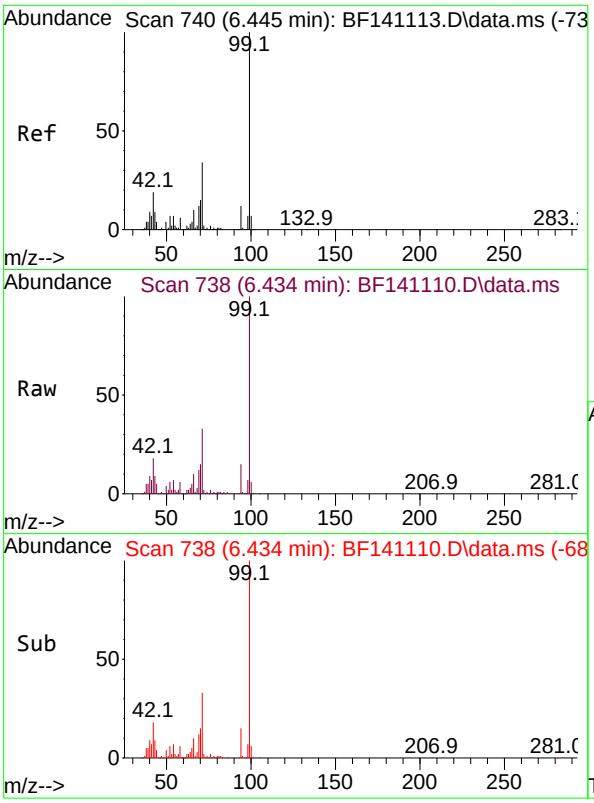




#6
Aniline
Concen: 5.687 ng
RT: 6.475 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion: 93 Resp: 63517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.1 | 31.5 | 47.3 |
| 65 | 19.3 | 15.3 | 22.9 |



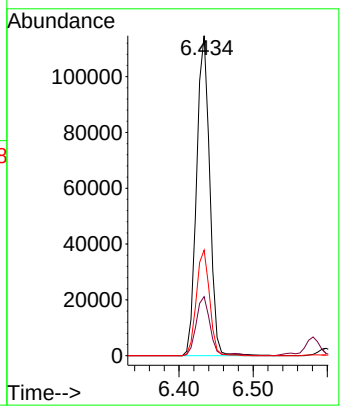


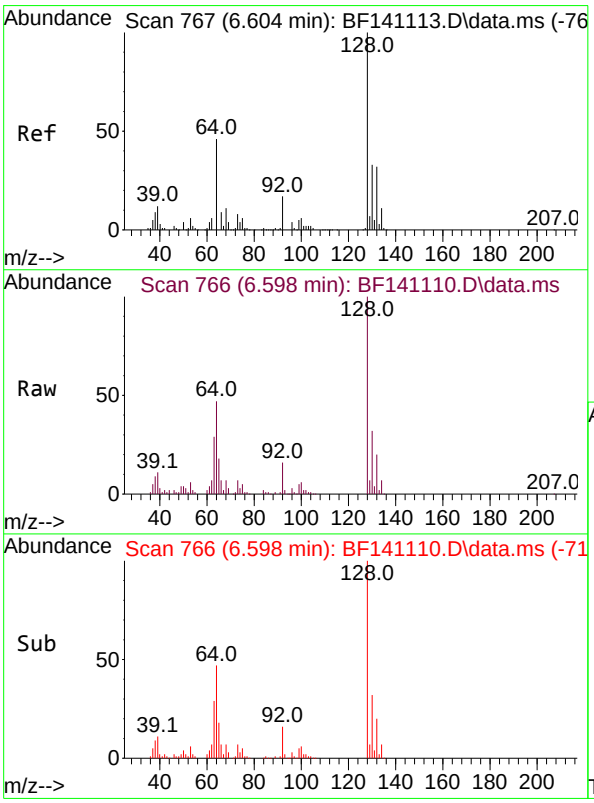

#7
Phenol-d6
Concen: 11.182 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion: 99 Resp: 140674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.4 | 15.0 | 22.4 |
| 71 | 33.0 | 27.6 | 41.4 |

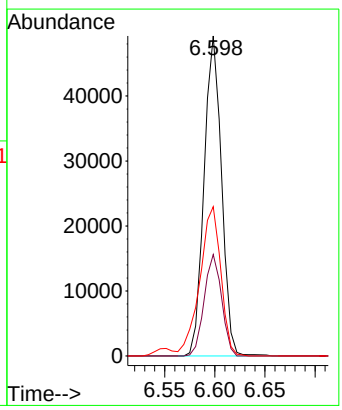


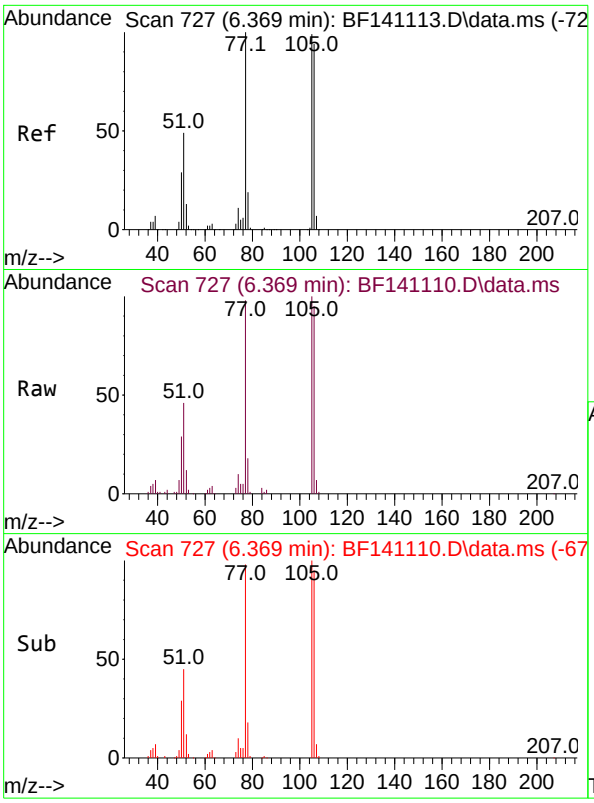




#8
2-Chlorophenol
Concen: 5.619 ng
RT: 6.598 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:128 Resp: 59870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.7 | 12.5 | 52.5 |
| 64 | 46.6 | 28.3 | 68.3 |



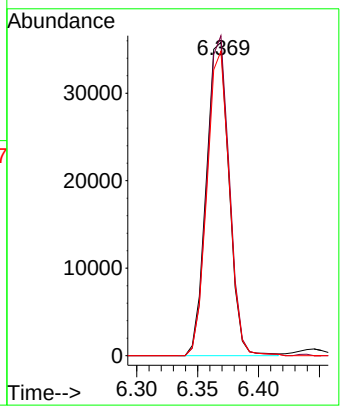


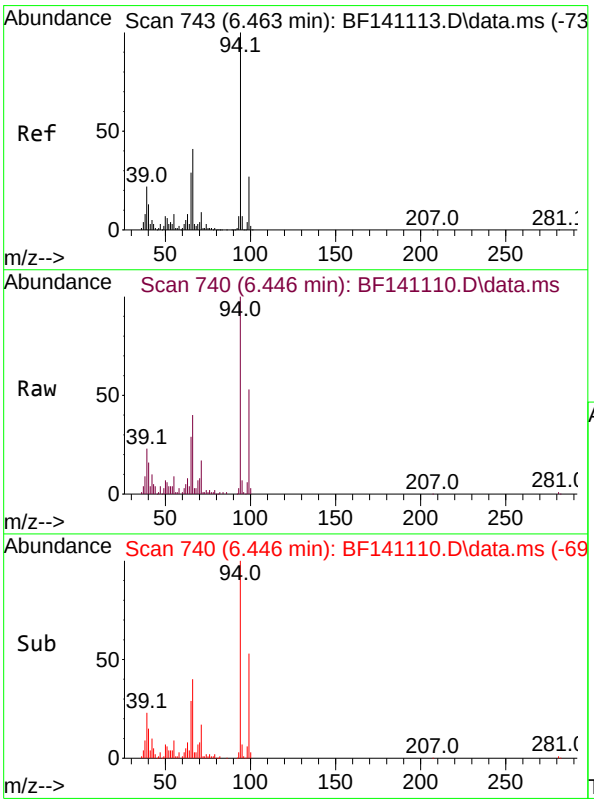

#9
Benzaldehyde
Concen: 6.629 ng
RT: 6.369 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion: 77 Resp: 46588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 102.1 | 78.9 | 118.9 |
| 106 | 97.2 | 73.6 | 113.6 |

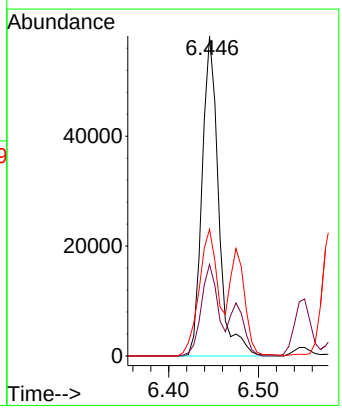


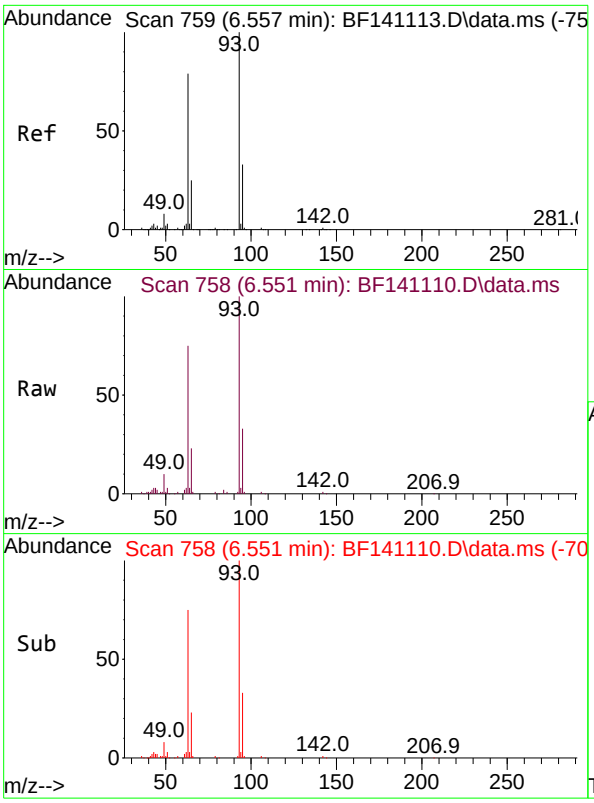




#10
Phenol
Concen: 5.534 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.018 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion: 94 Resp: 74522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.6 | 8.9 | 48.9 |
| 66 | 39.6 | 21.2 | 61.2 |



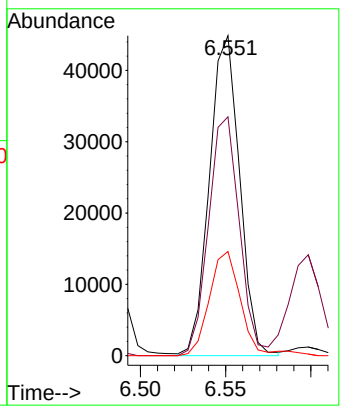


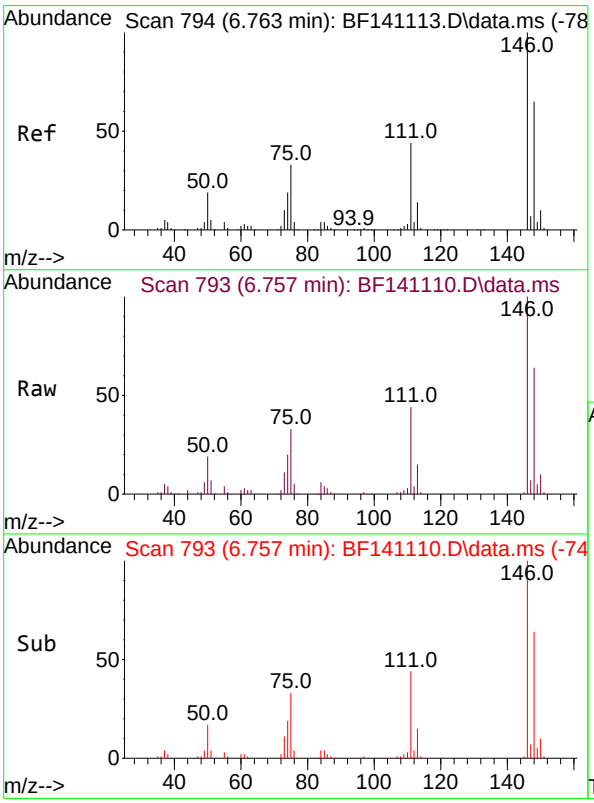

#11
bis(2-Chloroethyl)ether
Concen: 5.523 ng
RT: 6.551 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion: 93 Resp: 55432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 74.6 | 58.0 | 98.0 |
| 95 | 32.6 | 12.5 | 52.5 |

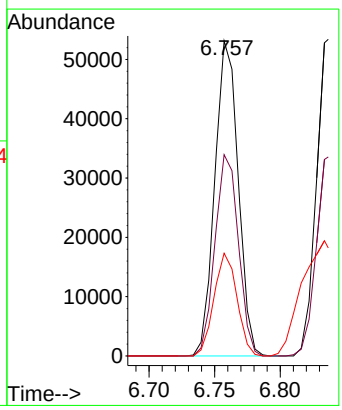


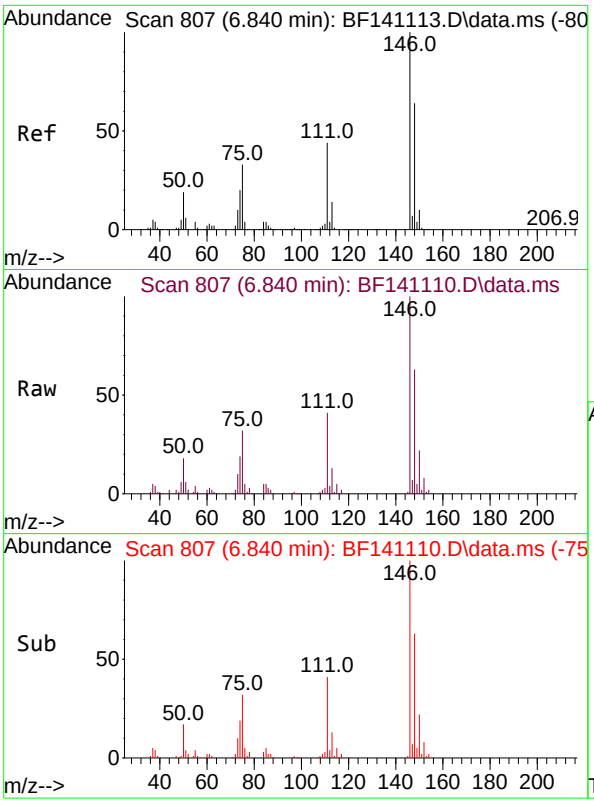




#12
1,3-Dichlorobenzene
Concen: 5.533 ng
RT: 6.757 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:146 Resp: 65753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 51.6 | 77.4 |
| 75 | 32.6 | 26.2 | 39.2 |



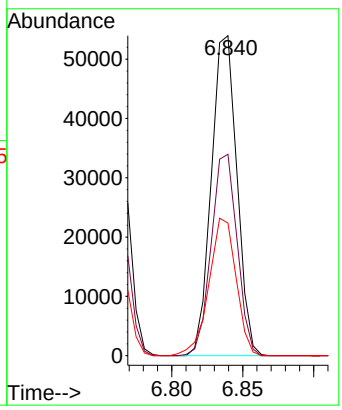


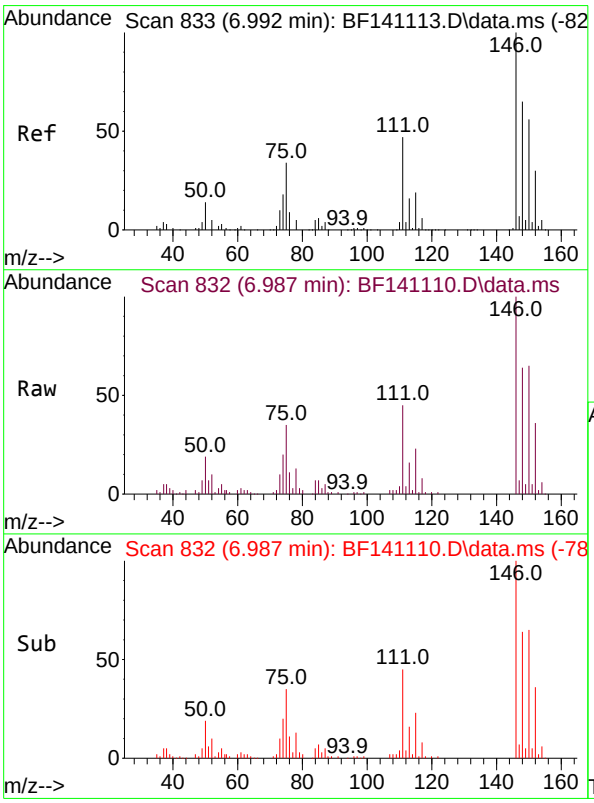

#13
1,4-Dichlorobenzene
Concen: 5.657 ng
RT: 6.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:146 Resp: 67741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.0 | 51.0 | 76.6 |
| 111 | 41.4 | 34.9 | 52.3 |

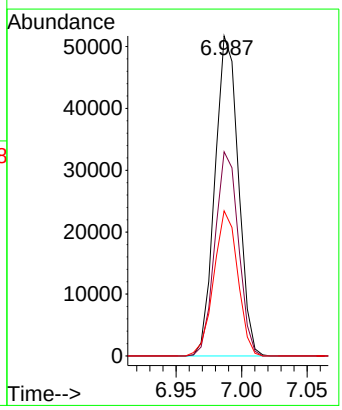


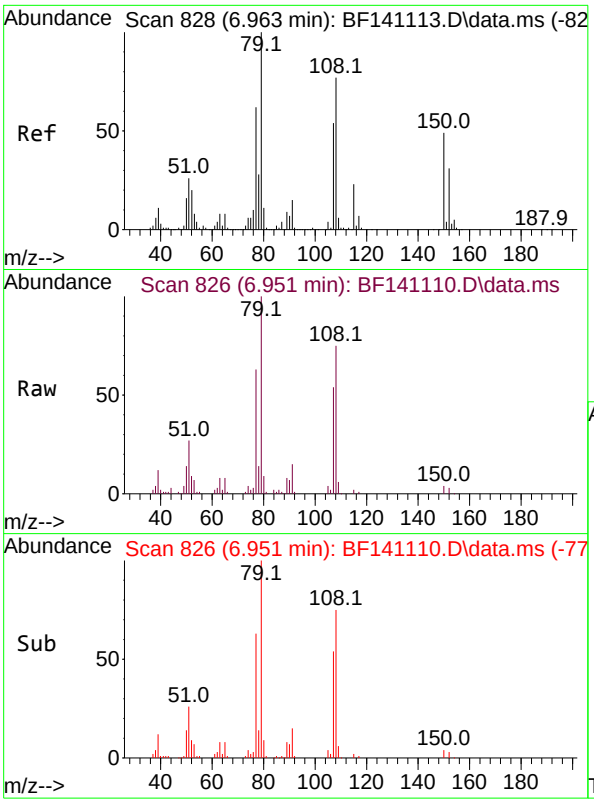




#14
1,2-Dichlorobenzene
Concen: 5.734 ng
RT: 6.987 min Scan# 832
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:146 Resp: 64051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 52.2 | 78.4 |
| 111 | 45.4 | 37.5 | 56.3 |



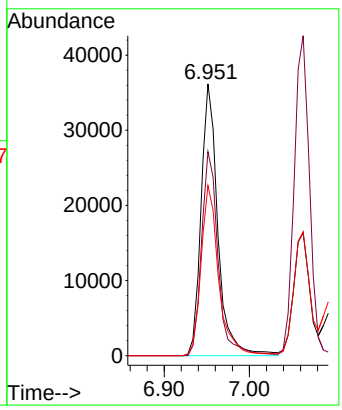


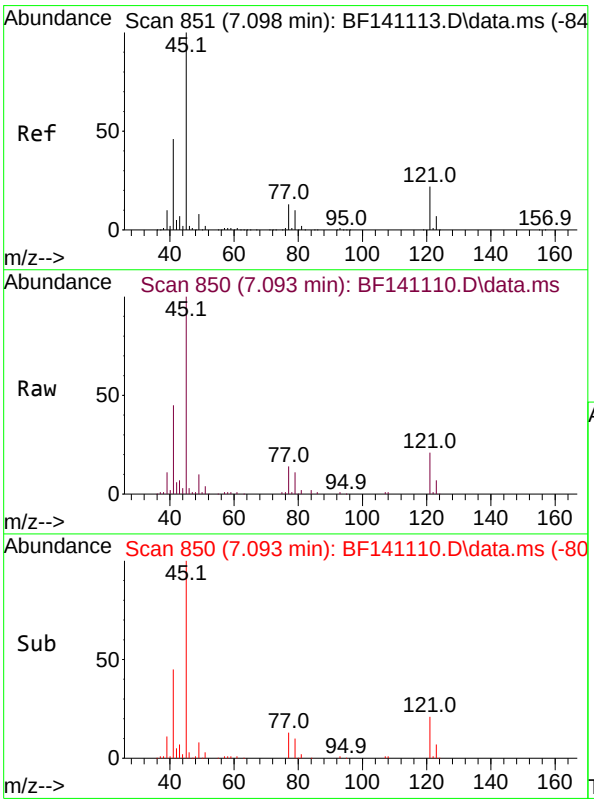

#15
Benzyl Alcohol
Concen: 5.452 ng
RT: 6.951 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion: 79 Resp: 49532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 75.0 | 61.4 | 92.0 |
| 77 | 62.6 | 49.8 | 74.6 |

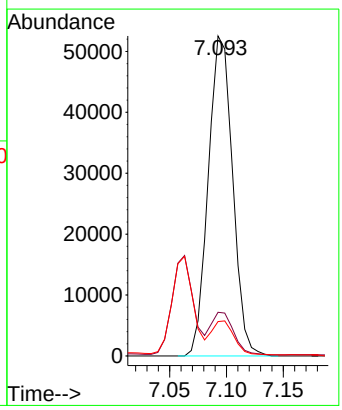


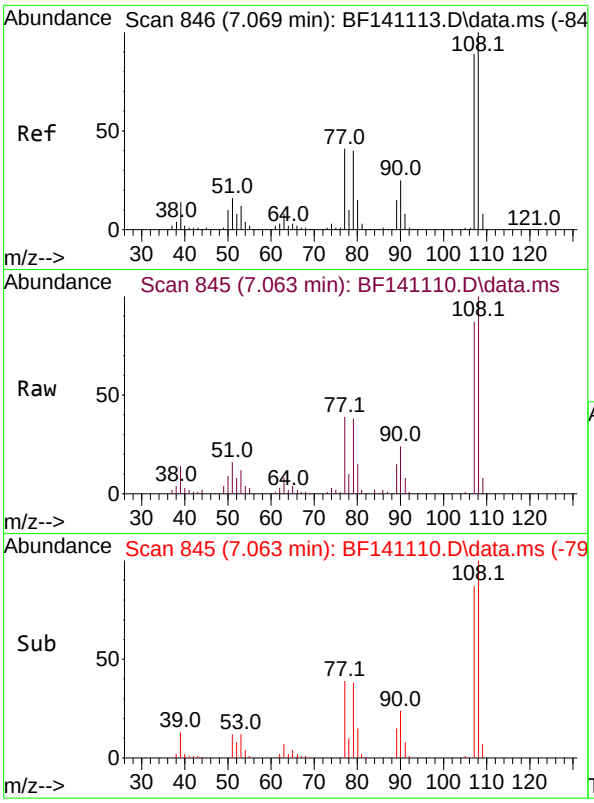




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.603 ng
RT: 7.093 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion: 45 Resp: 78464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.6 | 0.0 | 34.1 |
| 79 | 10.8 | 0.0 | 31.0 |



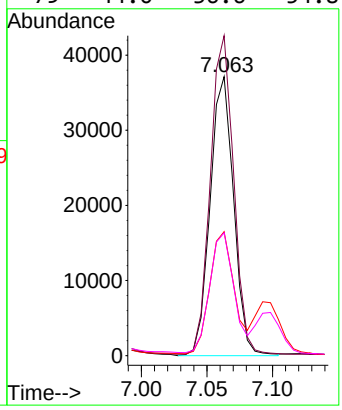


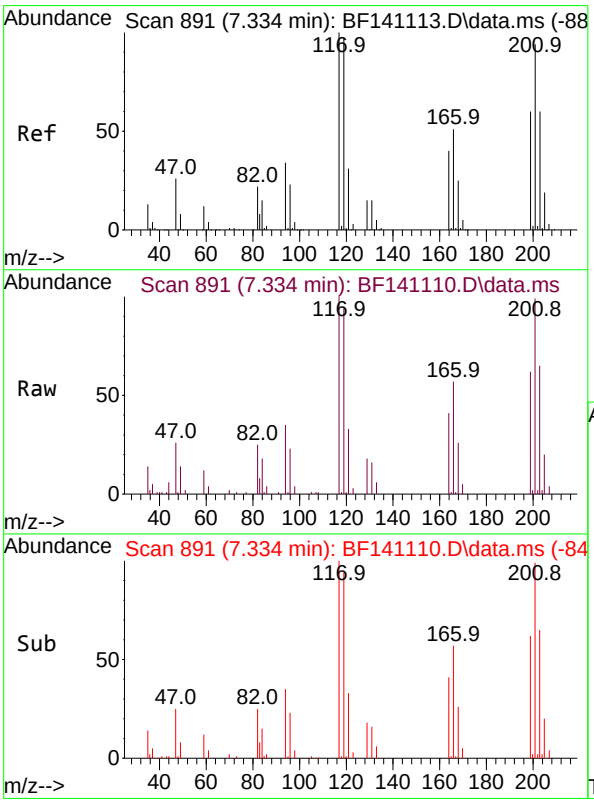

#17
2-Methylphenol
Concen: 5.391 ng
RT: 7.063 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:107 Resp: 46377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.7 | 90.1 | 135.1 |
| 77 | 44.4 | 36.6 | 55.0 |
| 79 | 44.0 | 36.6 | 54.8 |

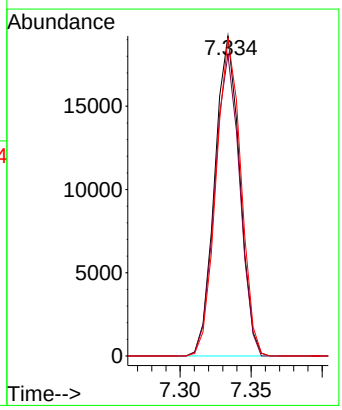


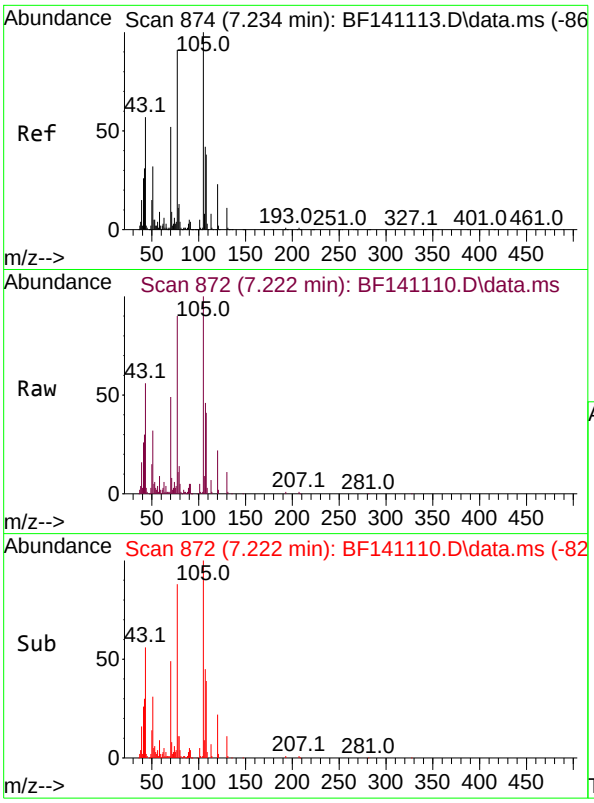




#18
Hexachloroethane
Concen: 5.407 ng
RT: 7.334 min Scan# 891
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:117 Resp: 23414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.1 | 77.6 | 116.4 |
| 201 | 99.2 | 75.1 | 112.7 |



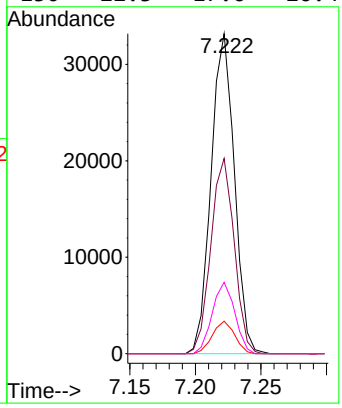


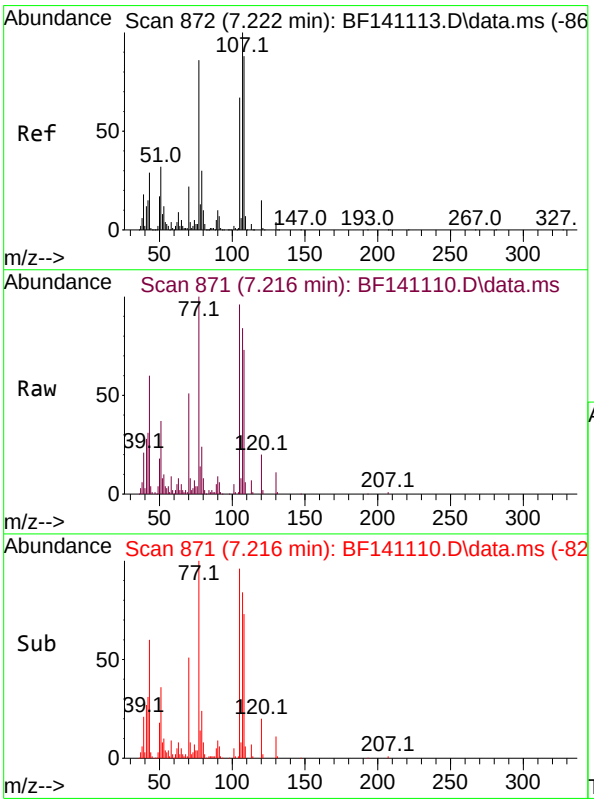

#19
n-Nitroso-di-n-propylamine
Concen: 5.526 ng
RT: 7.222 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion: 70 Resp: 40948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 61.0 | 47.8 | 71.6 |
| 101 | 10.2 | 7.9 | 11.9 |
| 130 | 22.3 | 17.6 | 26.4 |

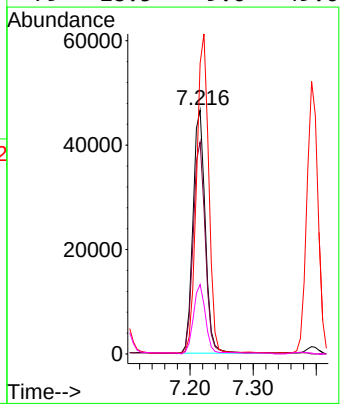


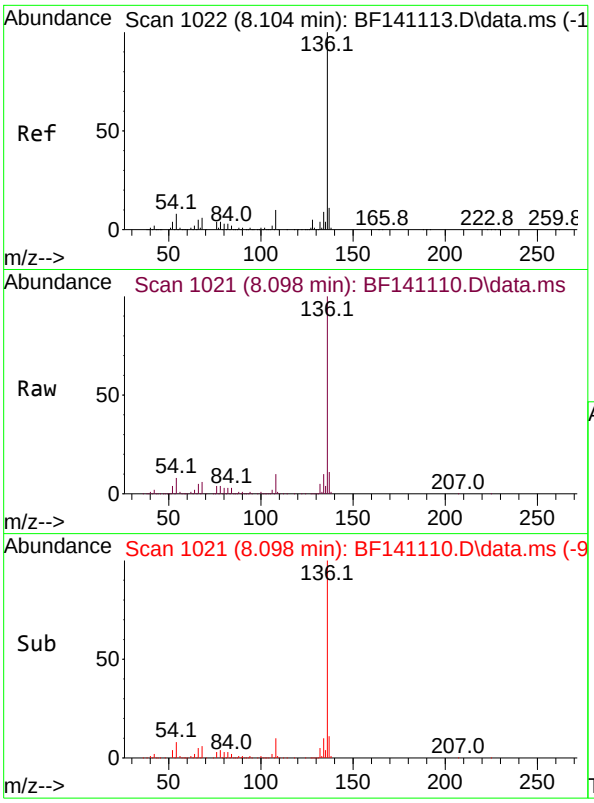




#20
3+4-Methylphenols
Concen: 5.763 ng
RT: 7.216 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:107 Resp: 62539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 86.9 | 68.3 | 108.3 |
| 77 | 119.2 | 66.4 | 106.4# |
| 79 | 28.5 | 9.6 | 49.6 |



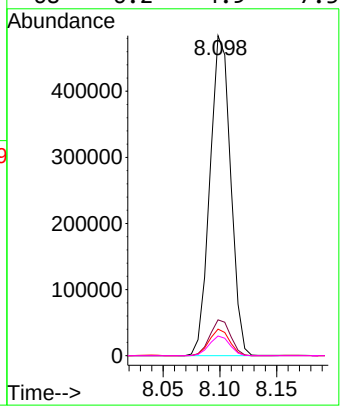


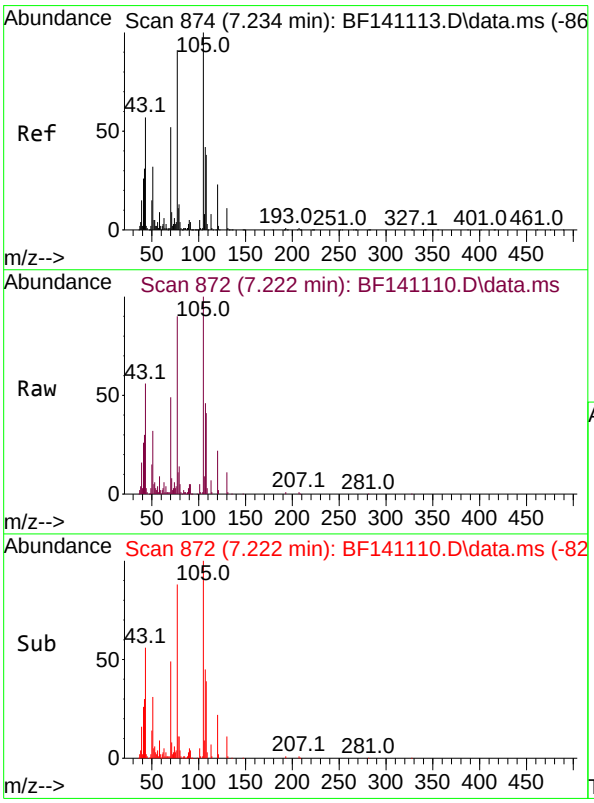

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:136 Resp: 614947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.8 | 13.2 |
| 54 | 8.3 | 6.3 | 9.5 |
| 68 | 6.2 | 4.9 | 7.3 |

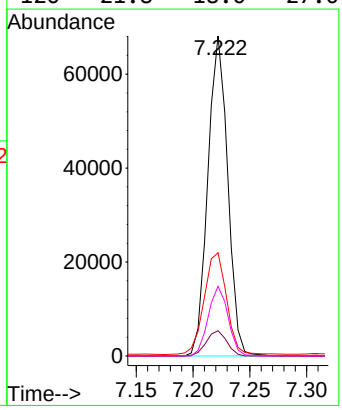


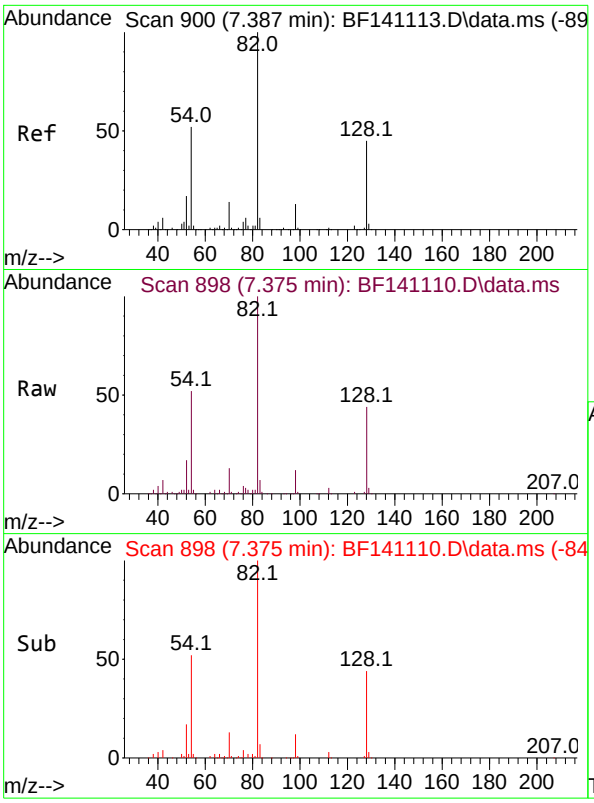




#22
Acetophenone
Concen: 5.667 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:105 Resp: 82845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.9 | 7.1 | 10.7 |
| 51 | 32.2 | 25.4 | 38.2 |
| 120 | 21.8 | 18.0 | 27.0 |



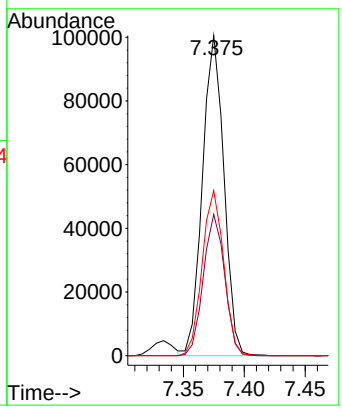


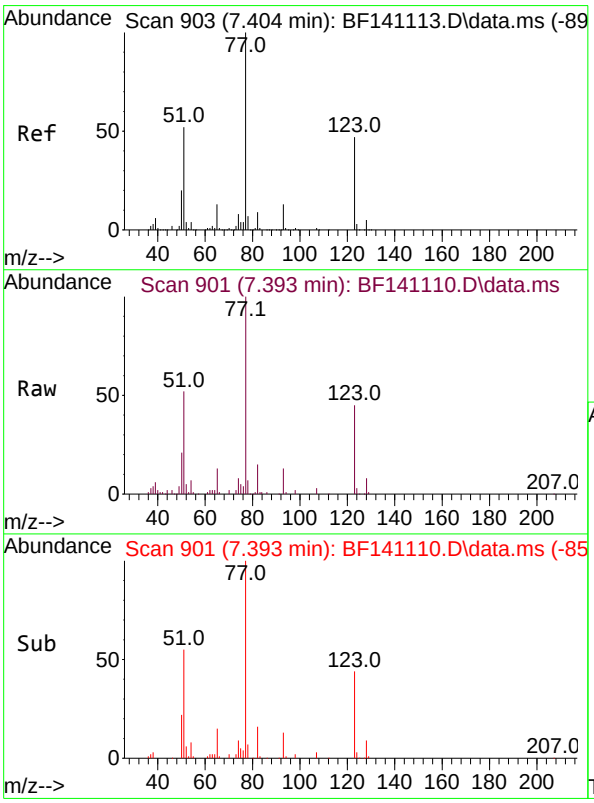

#23
Nitrobenzene-d5
Concen: 10.614 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion: 82 Resp: 123133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.1 | 36.1 | 54.1 |
| 54 | 51.6 | 41.0 | 61.4 |

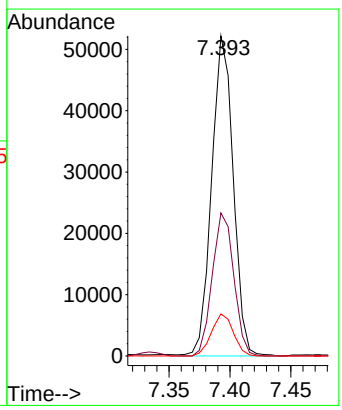


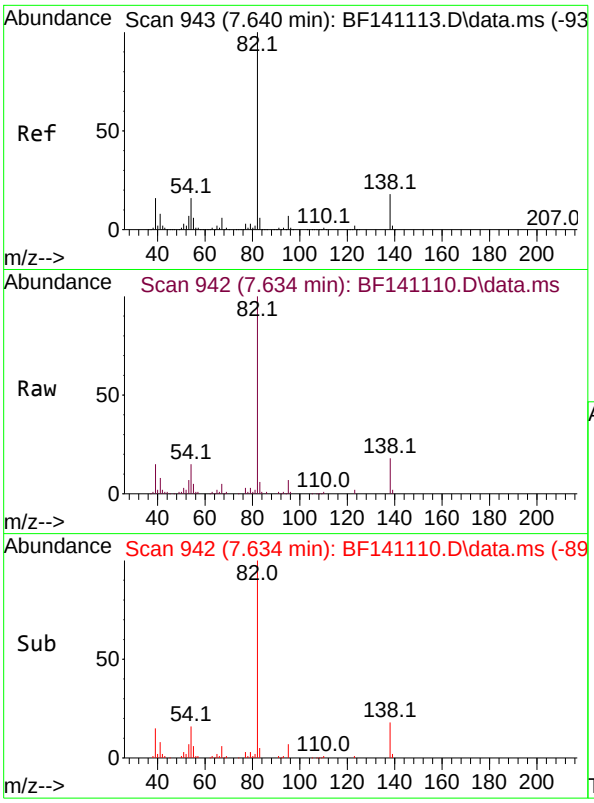




#24
Nitrobenzene
Concen: 5.326 ng
RT: 7.393 min Scan# 901
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion: 77 Resp: 64399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 44.7 | 37.7 | 56.5 |
| 65 | 13.1 | 10.6 | 16.0 |



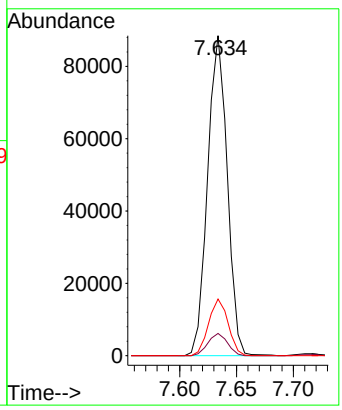


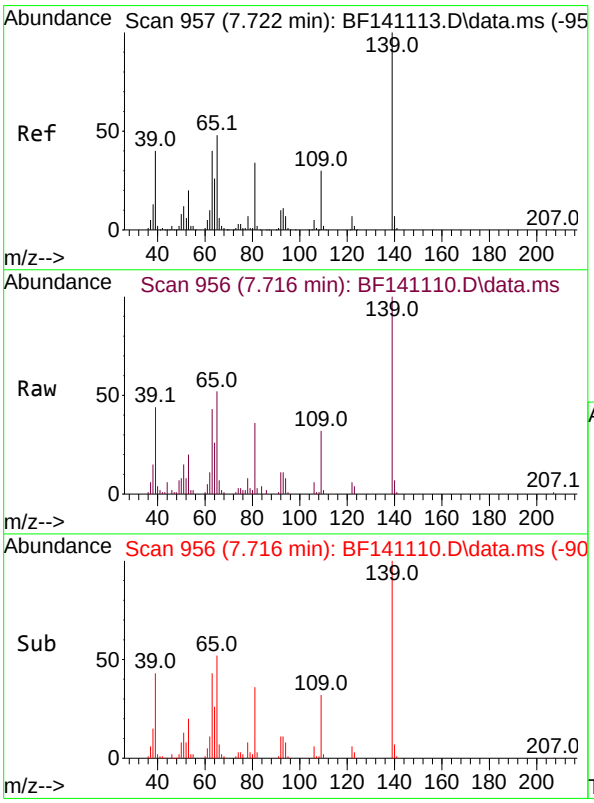

#25
Isophorone
Concen: 5.364 ng
RT: 7.634 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion: 82 Resp: 106336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.9 | 5.9 | 8.9 |
| 138 | 17.7 | 14.2 | 21.2 |

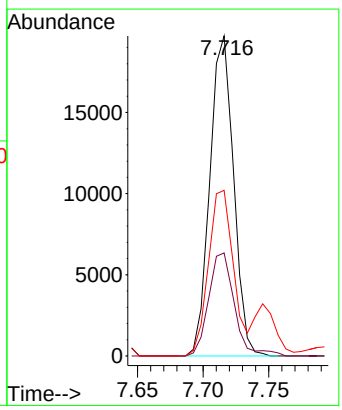


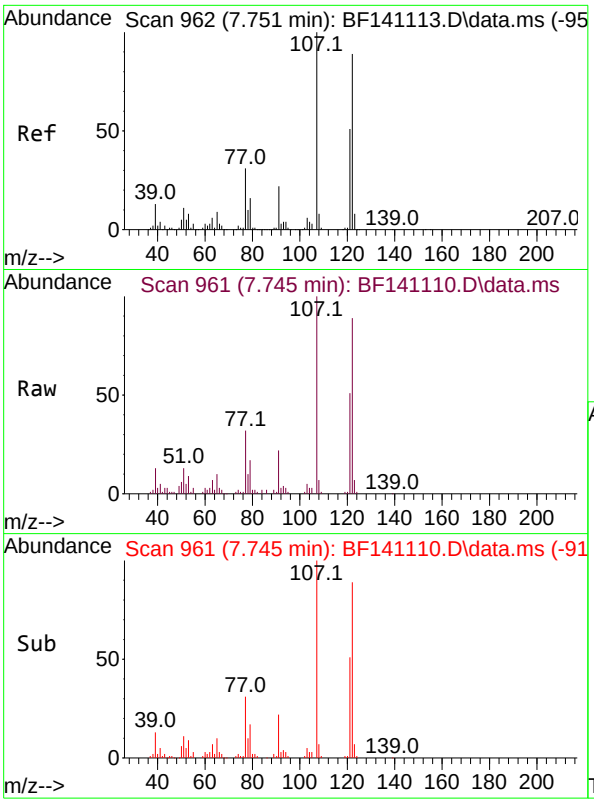




#26
2-Nitrophenol
Concen: 4.512 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:139 Resp: 24814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.2 | 23.8 | 35.6 |
| 65 | 51.8 | 38.5 | 57.7 |



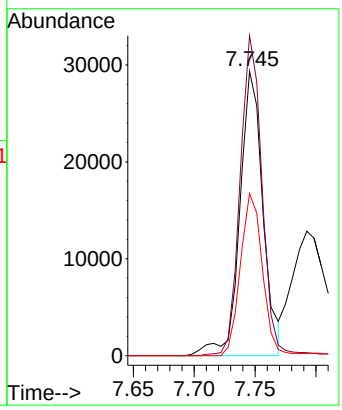


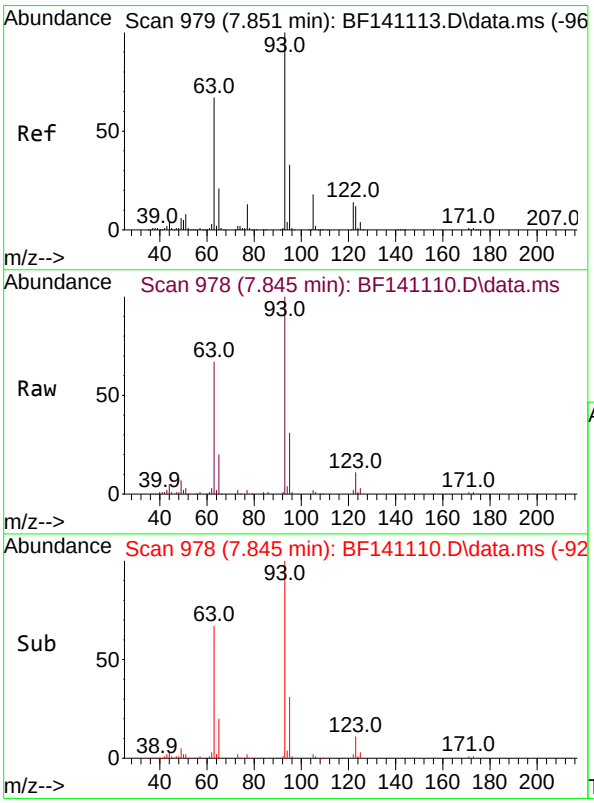

#27
2,4-Dimethylphenol
Concen: 5.219 ng
RT: 7.745 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:122 Resp: 38719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.5 | 90.3 | 135.5 |
| 121 | 57.0 | 46.5 | 69.7 |

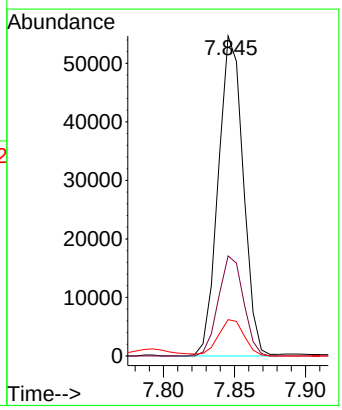


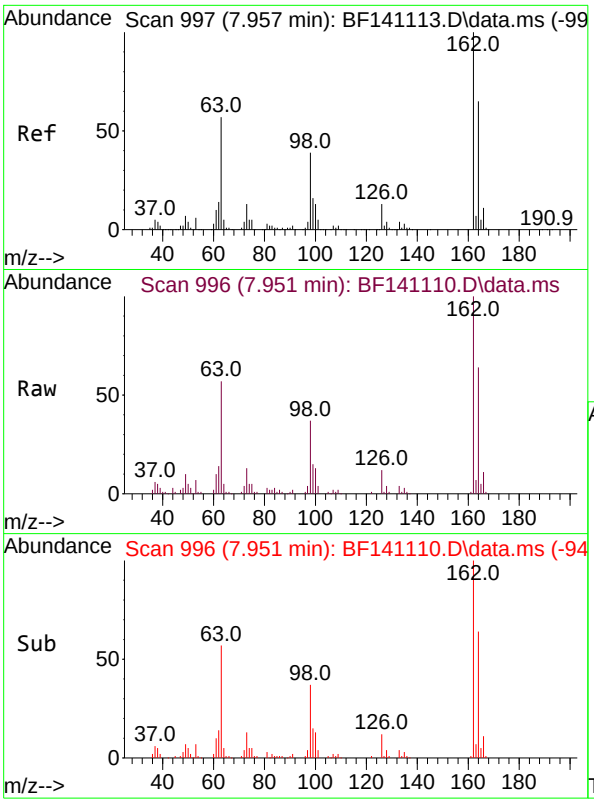




#28
bis(2-Chloroethoxy)methane
Concen: 5.372 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion: 93 Resp: 66840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 31.3 | 26.2 | 39.4 |
| 123 | 11.4 | 10.1 | 15.1 |



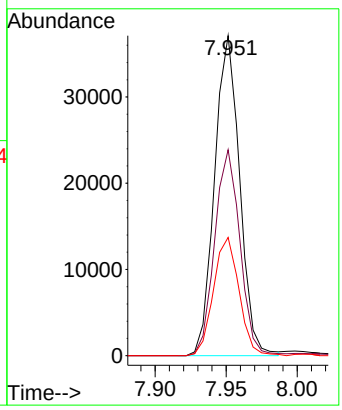


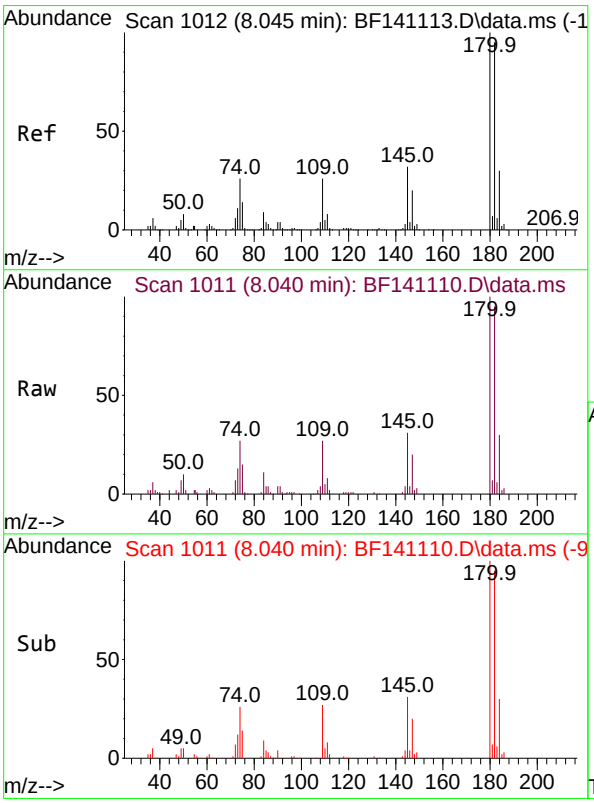

#29
2,4-Dichlorophenol
Concen: 5.171 ng
RT: 7.951 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:162 Resp: 45561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.3 | 44.5 | 84.5 |
| 98 | 36.9 | 18.5 | 58.5 |

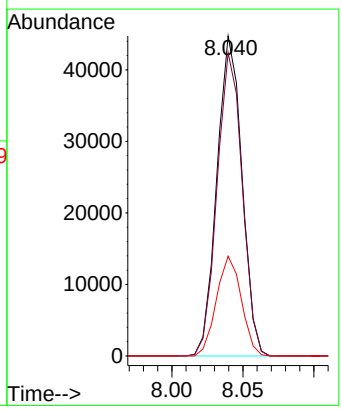


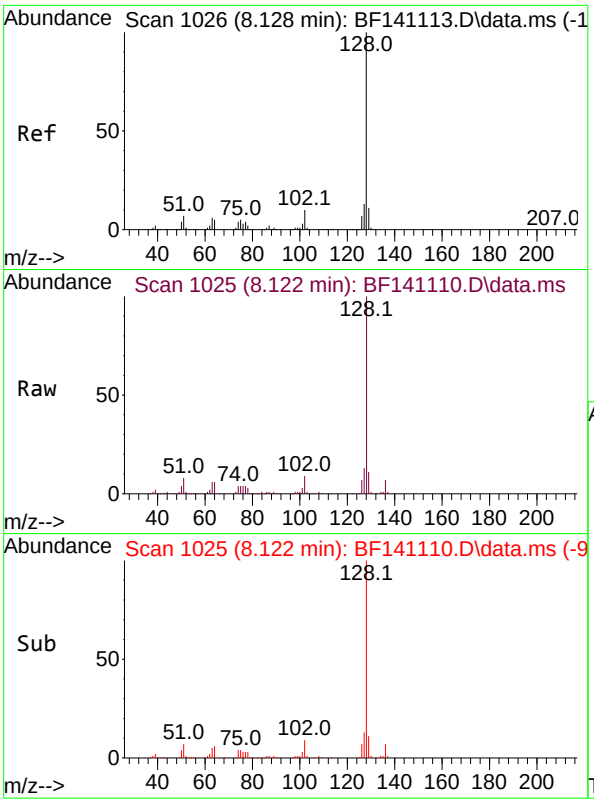




#30
1,2,4-Trichlorobenzene
Concen: 5.433 ng
RT: 8.040 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:180 Resp: 54712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 76.2 | 114.2 |
| 145 | 31.2 | 25.3 | 37.9 |



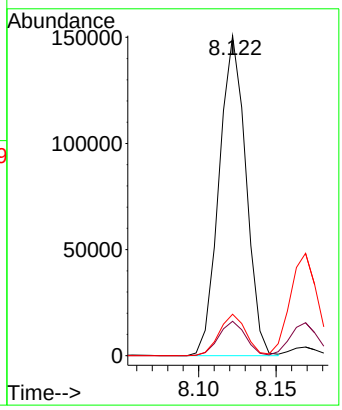


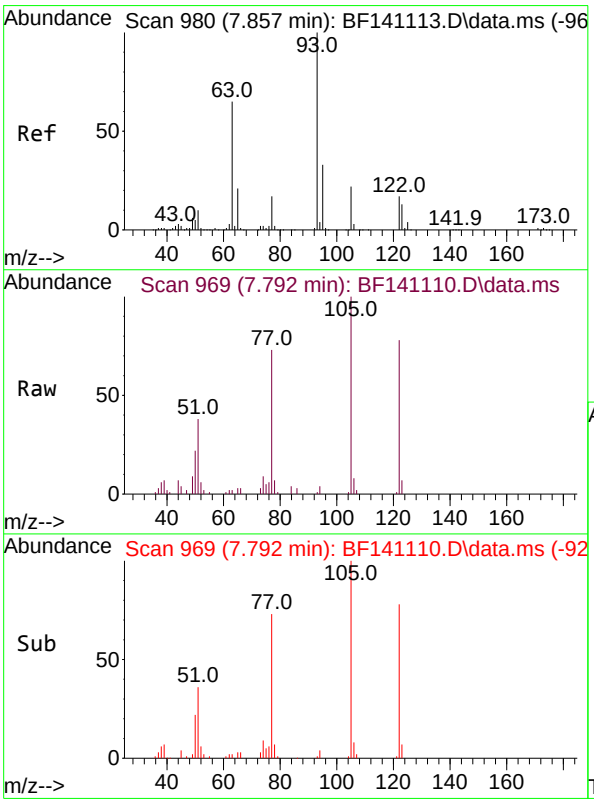

#31
Naphthalene
Concen: 5.585 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:128 Resp: 181124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.7 | 9.0 | 13.6 |
| 127 | 13.0 | 10.8 | 16.2 |

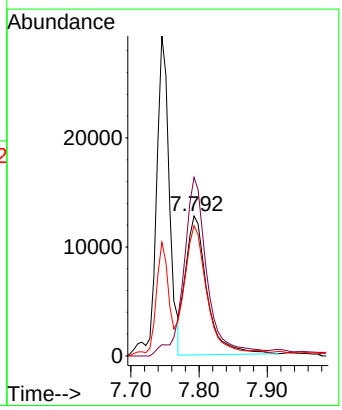


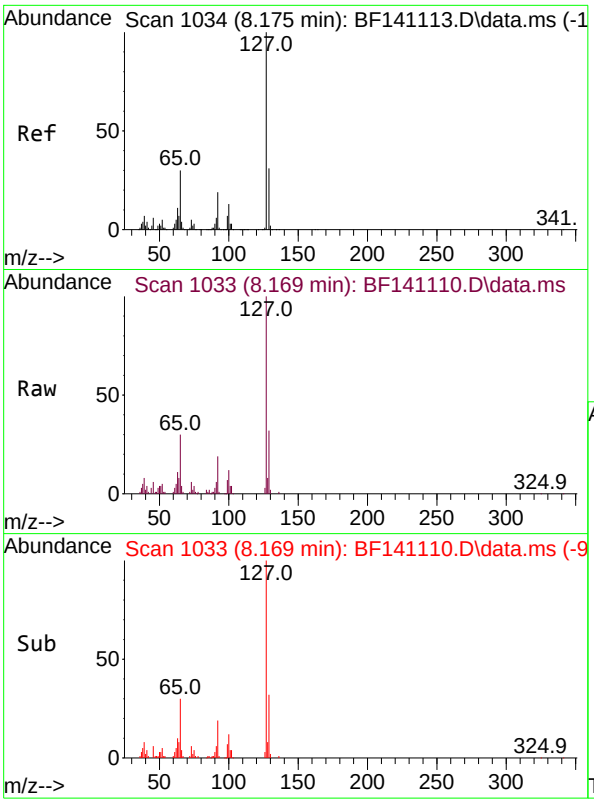




#32
Benzoic acid
Concen: 3.921 ng
RT: 7.792 min Scan# 969
Delta R.T. -0.065 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:122 Resp: 27905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 127.6 | 105.5 | 145.5 |
| 77 | 93.1 | 75.1 | 115.1 |



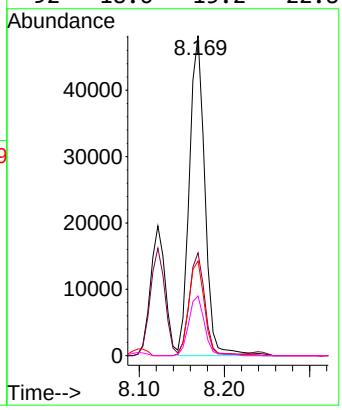


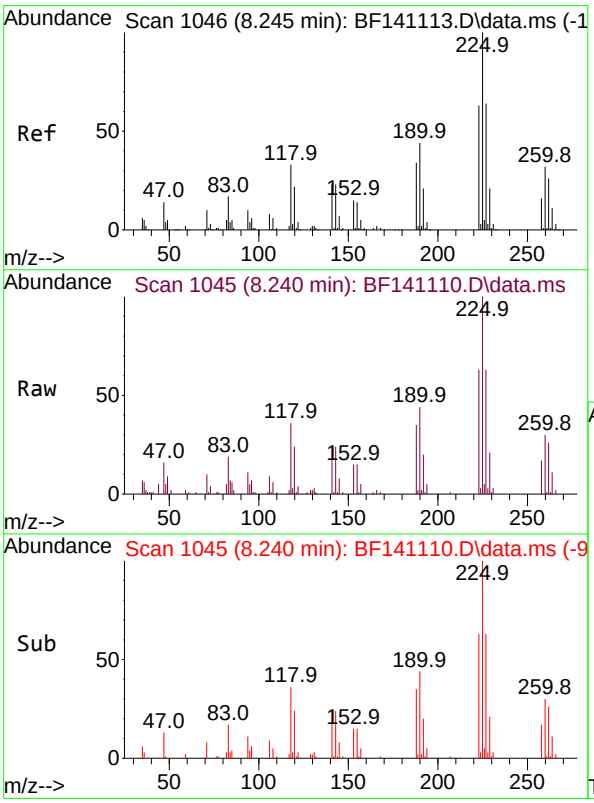

#33
4-Chloroaniline
Concen: 5.448 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:127 Resp: 61099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.1 | 25.9 | 38.9 |
| 65 | 29.6 | 23.8 | 35.8 |
| 92 | 18.6 | 15.2 | 22.8 |

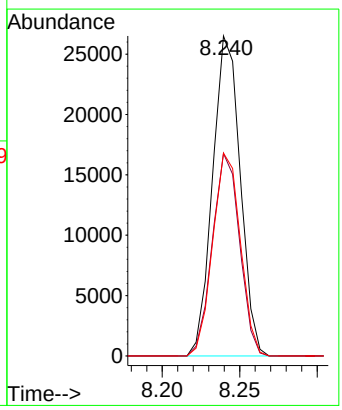


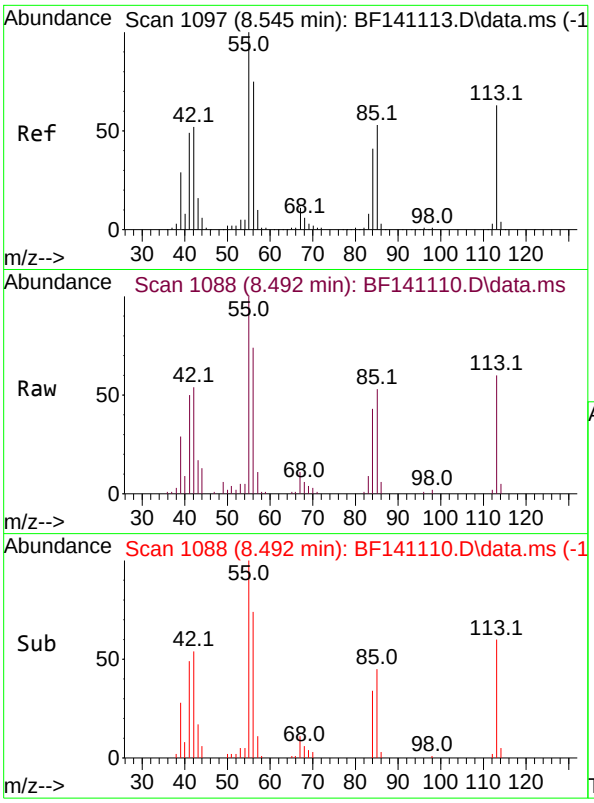




#34
Hexachlorobutadiene
Concen: 5.408 ng
RT: 8.240 min Scan# 1045
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:225 Resp: 32815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.3 | 50.6 | 76.0 |
| 227 | 63.4 | 51.6 | 77.4 |



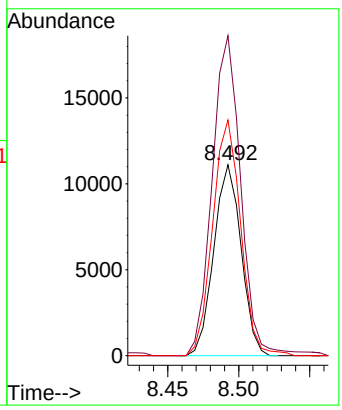


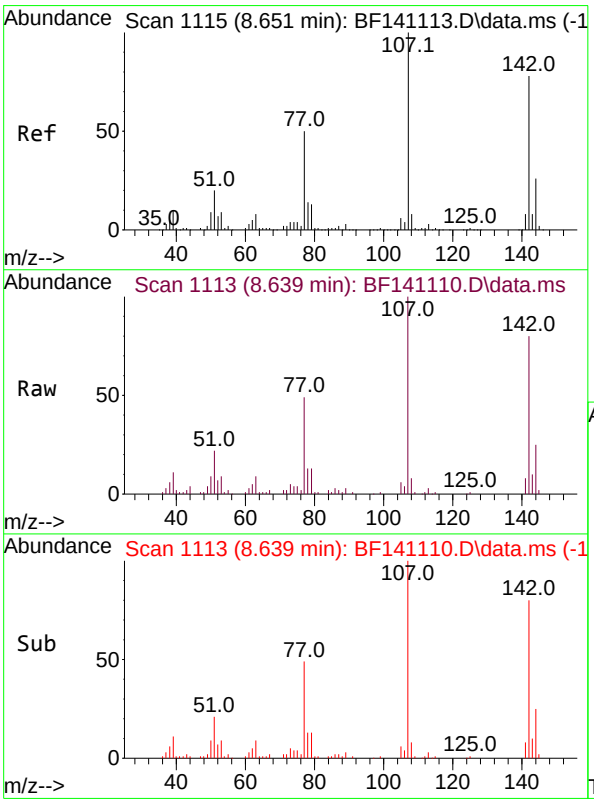

#35
Caprolactam
Concen: 5.127 ng
RT: 8.492 min Scan# 1
Delta R.T. -0.053 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:113 Resp: 14819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 167.7 | 139.7 | 179.7 |
| 56 | 123.5 | 99.4 | 139.4 |

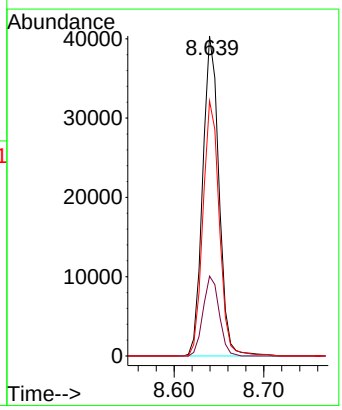


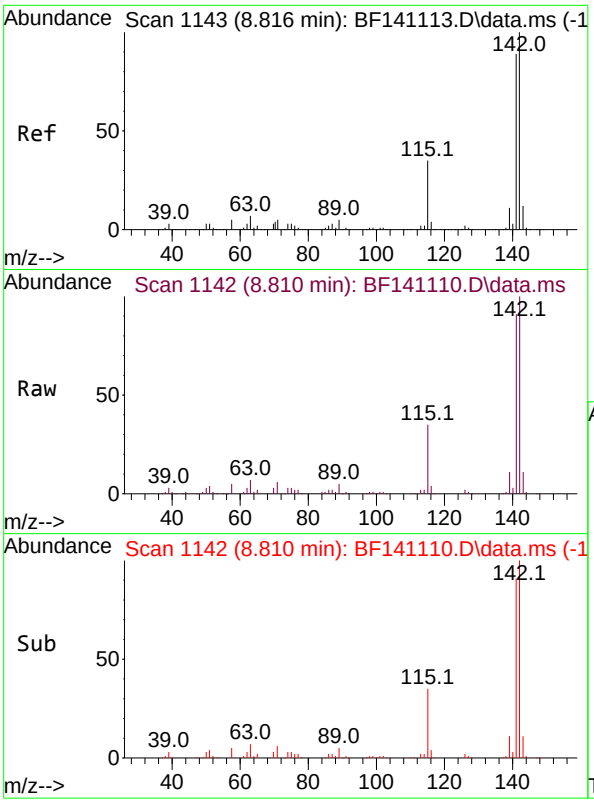




#36
4-Chloro-3-methylphenol
Concen: 5.278 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:107 Resp: 50853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.0 | 20.4 | 30.6 |
| 142 | 79.7 | 62.2 | 93.2 |



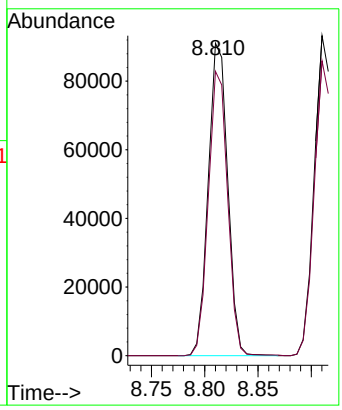


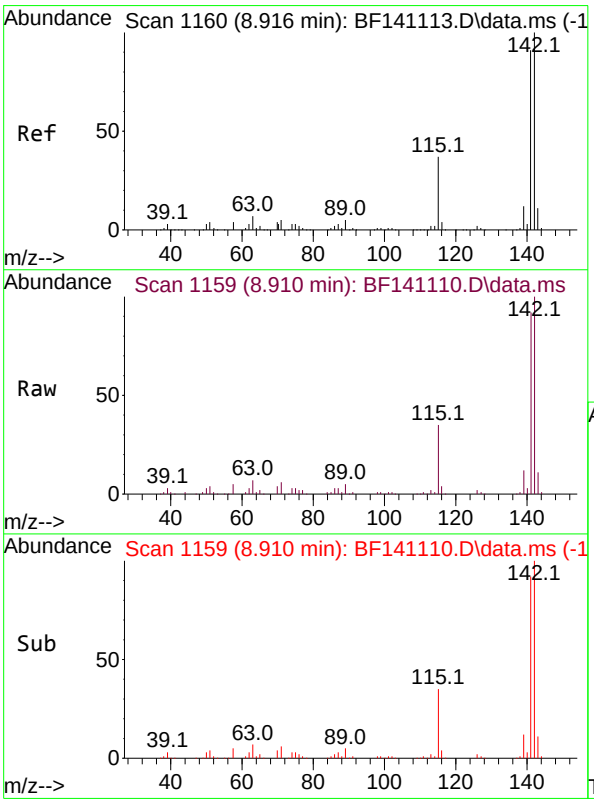

#37
2-Methylnaphthalene
Concen: 5.591 ng
RT: 8.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:142 Resp: 115532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.0 | 71.3 | 106.9 |

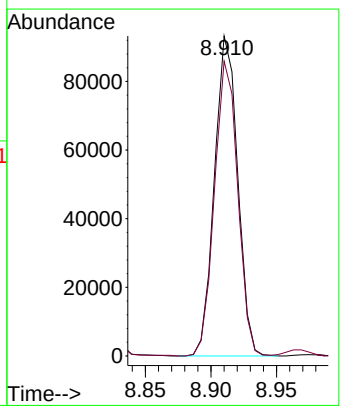


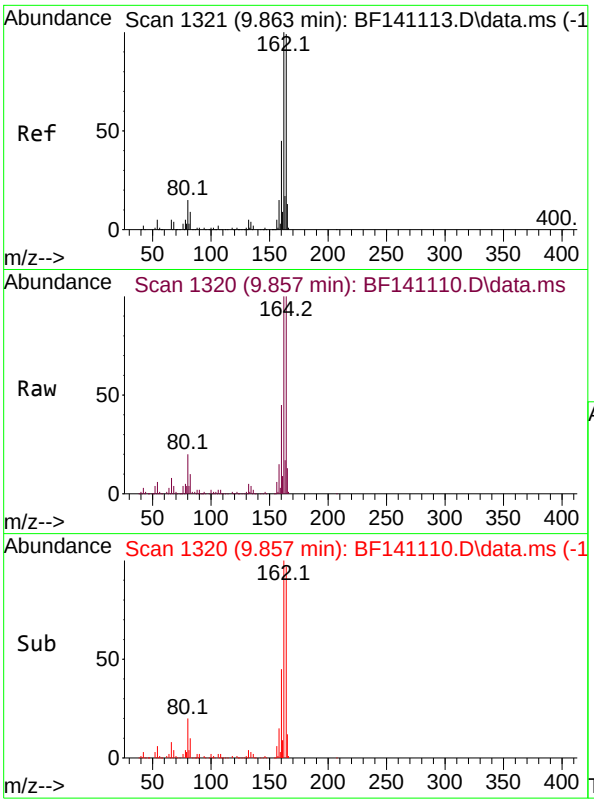




#38
1-Methylnaphthalene
Concen: 5.637 ng
RT: 8.910 min Scan# 1159
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:142 Resp: 114809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.2 | 73.1 | 109.7 |



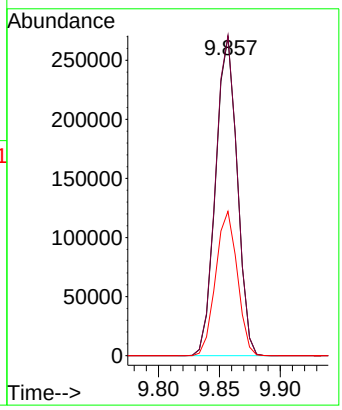


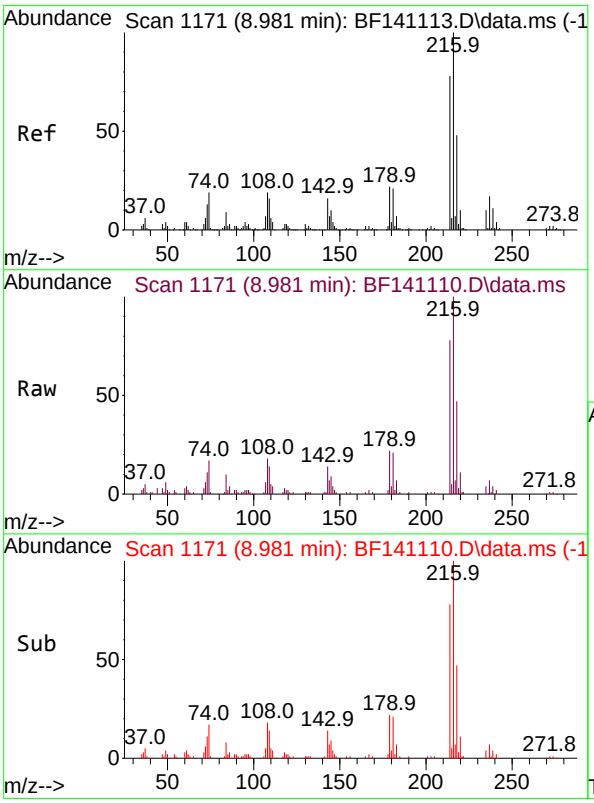

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:164 Resp: 332087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.4 | 81.0 | 121.4 |
| 160 | 45.3 | 36.1 | 54.1 |

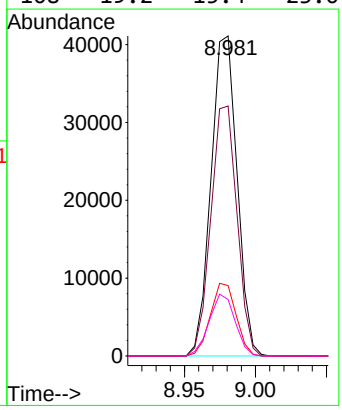


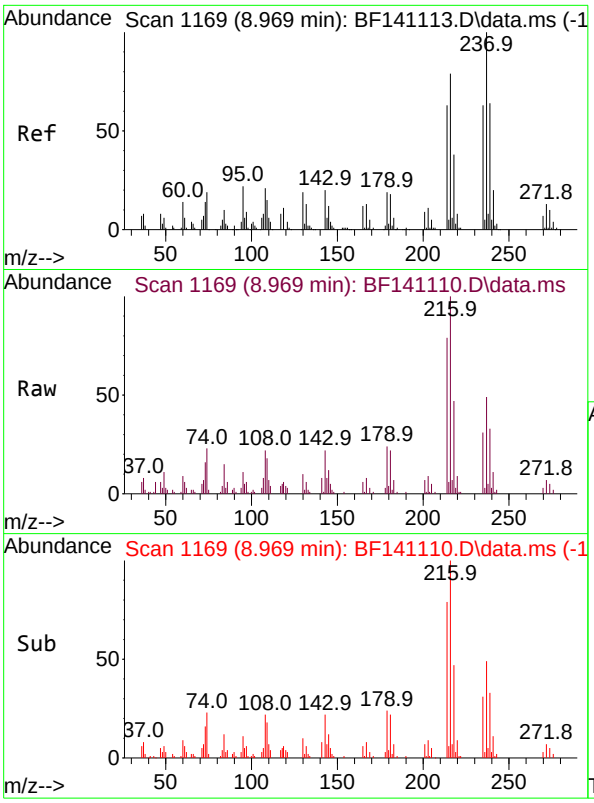




#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.506 ng
RT: 8.981 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:216 Resp: 52480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.2 | 62.6 | 94.0 |
| 179 | 22.4 | 17.7 | 26.5 |
| 108 | 19.2 | 15.4 | 23.0 |



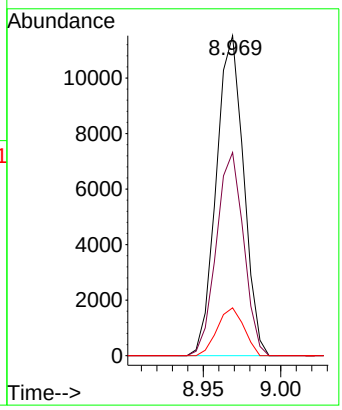


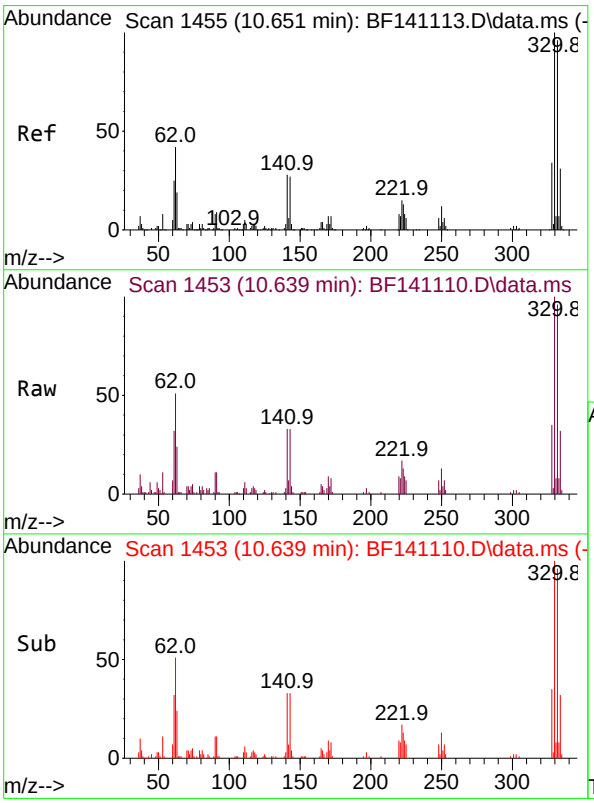

#41
Hexachlorocyclopentadiene
Concen: 4.534 ng
RT: 8.969 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:237 Resp: 14138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.5 | 43.0 | 83.0 |
| 272 | 15.0 | 0.0 | 33.0 |

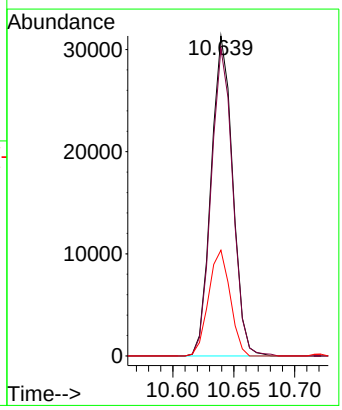


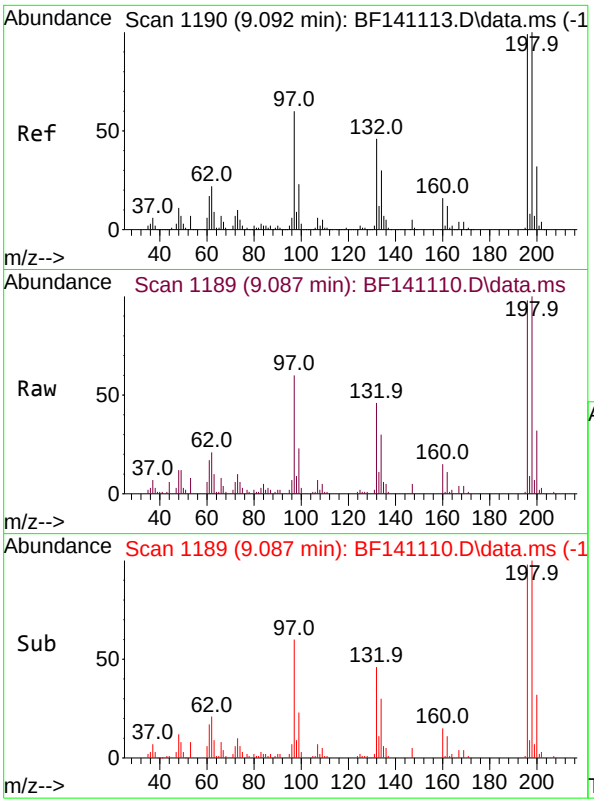




#42
2,4,6-Tribromophenol
Concen: 10.205 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:330 Resp: 38615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 76.9 | 115.3 |
| 141 | 33.2 | 25.2 | 37.8 |



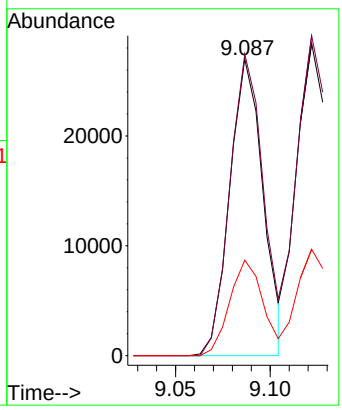


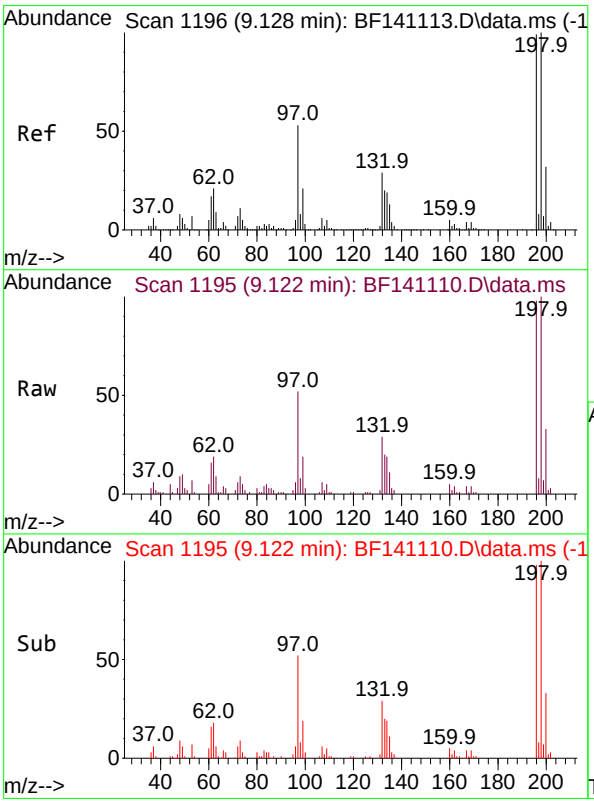

#43
2,4,6-Trichlorophenol
Concen: 5.149 ng
RT: 9.087 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:196 Resp: 33100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.7 | 80.8 | 121.2 |
| 200 | 32.2 | 25.7 | 38.5 |

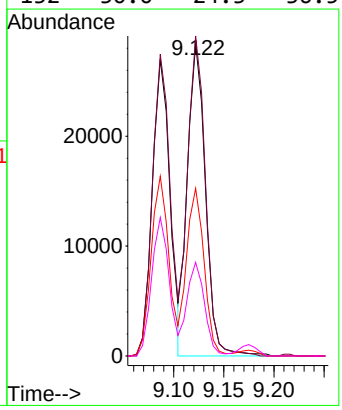


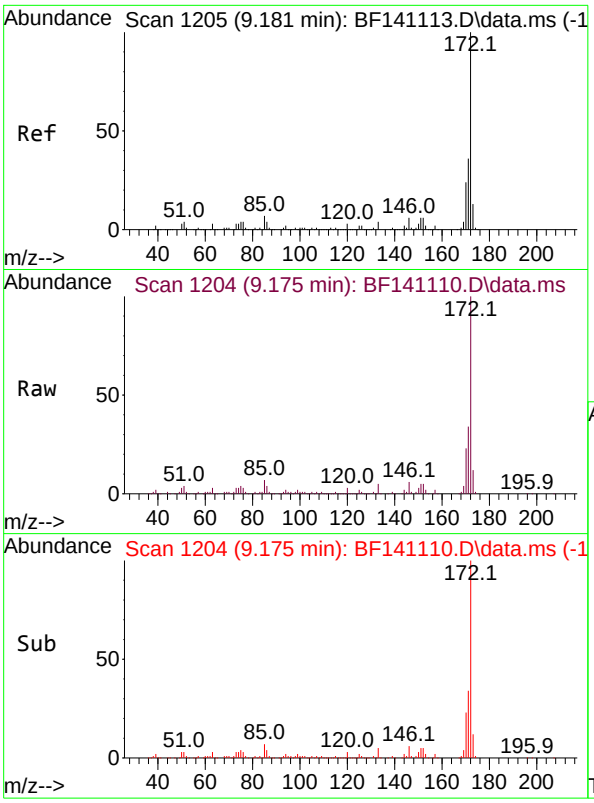




#44
2,4,5-Trichlorophenol
Concen: 5.244 ng
RT: 9.122 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:196 Resp: 35605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 102.5 | 80.6 | 120.8 |
| 97 | 53.7 | 43.1 | 64.7 |
| 132 | 30.0 | 24.3 | 36.5 |



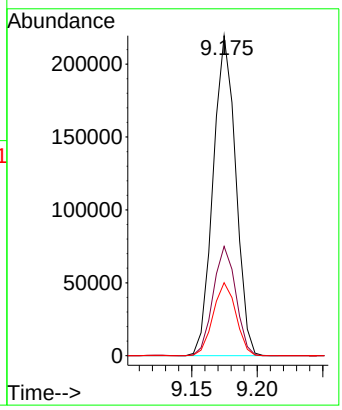


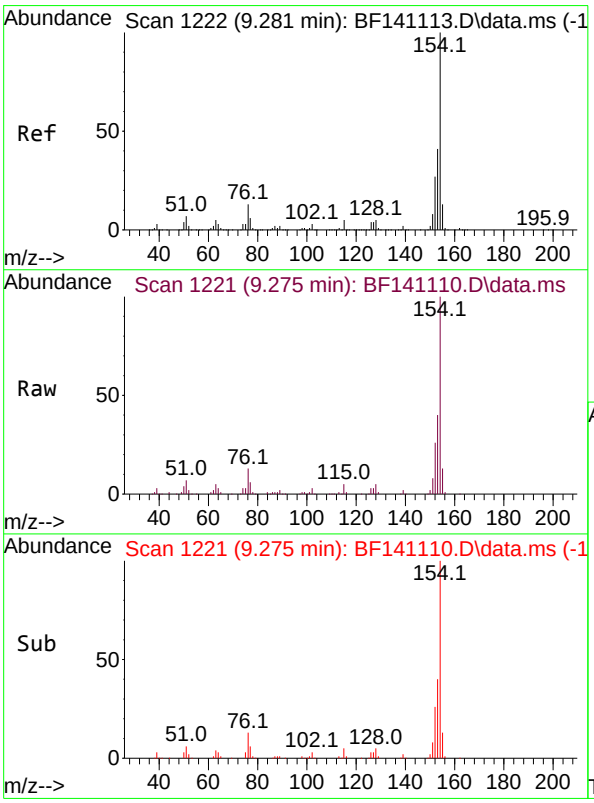

#45
2-Fluorobiphenyl
Concen: 12.080 ng
RT: 9.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:172 Resp: 262701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.2 | 28.7 | 43.1 |
| 170 | 22.8 | 19.0 | 28.6 |

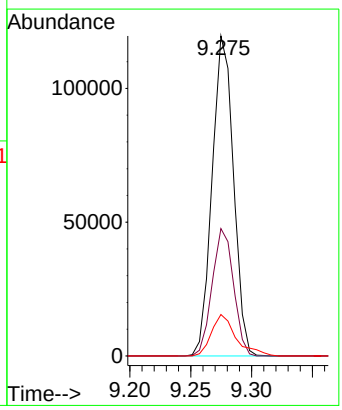


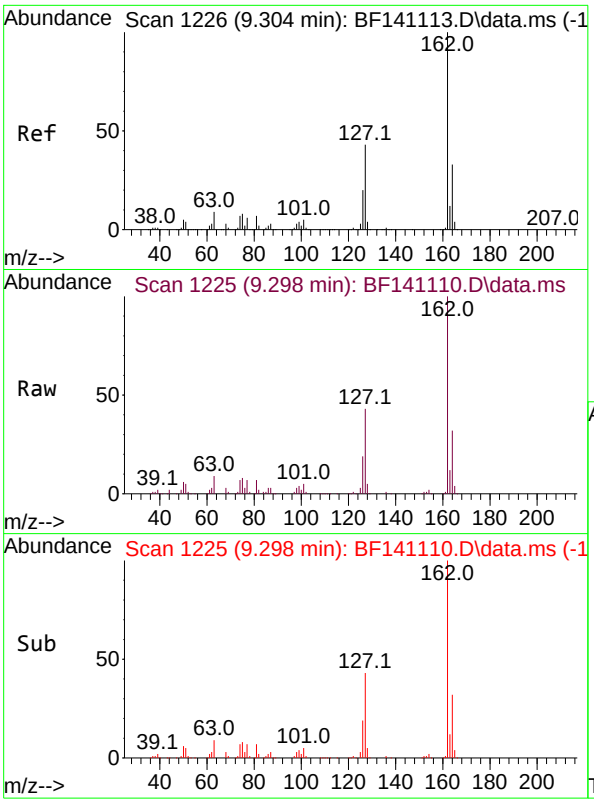




#46
1,1'-Biphenyl
Concen: 5.668 ng
RT: 9.275 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:154 Resp: 146178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.8 | 20.7 | 60.7 |
| 76 | 13.0 | 0.0 | 33.1 |



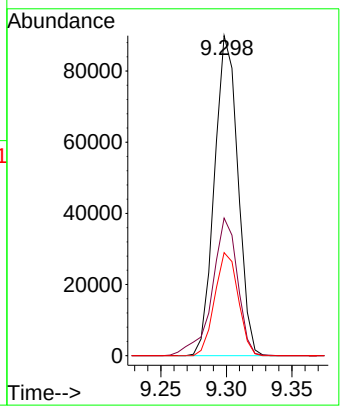


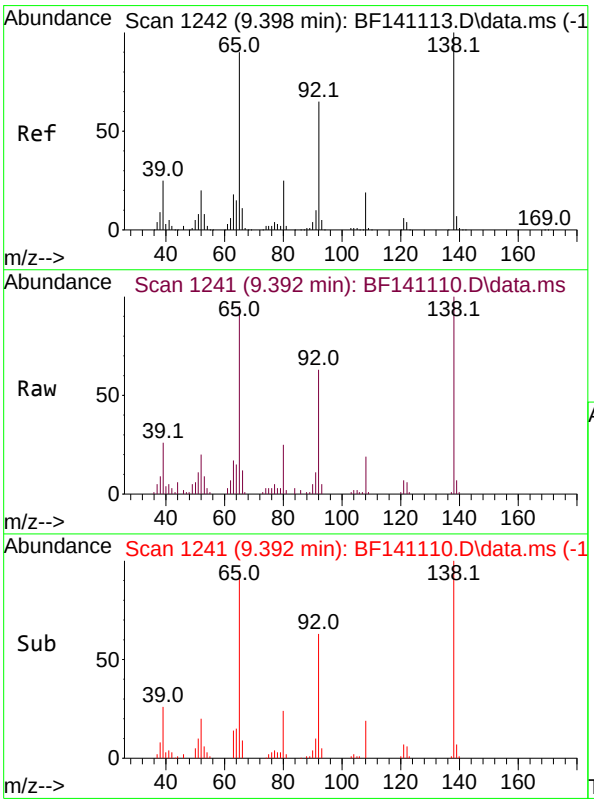

#47
2-Chloronaphthalene
Concen: 5.559 ng
RT: 9.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:162 Resp: 111654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.0 | 34.6 | 51.8 |
| 164 | 32.2 | 26.5 | 39.7 |

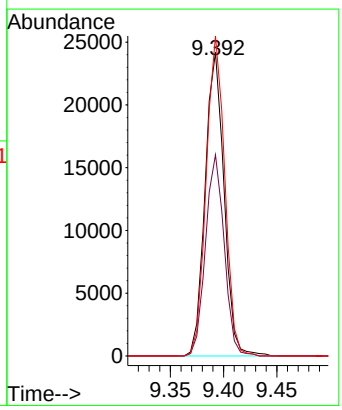


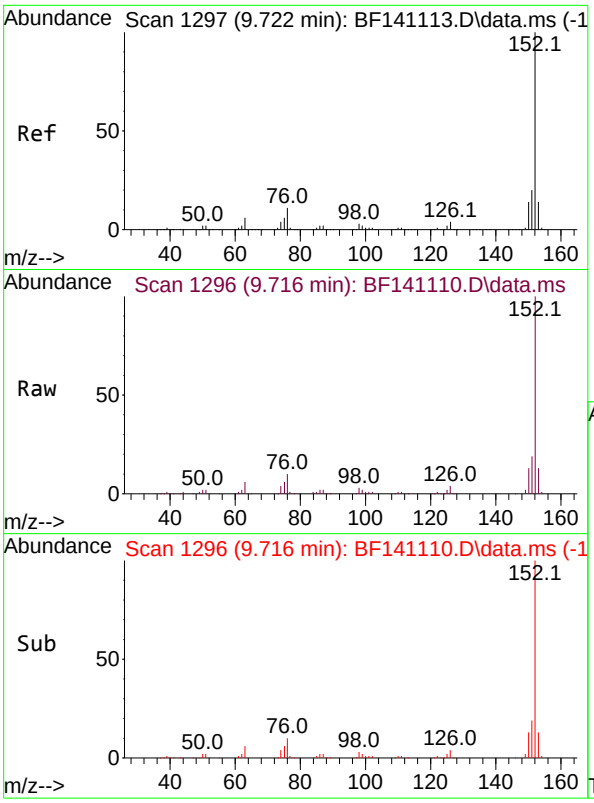




#48
2-Nitroaniline
Concen: 5.021 ng
RT: 9.392 min Scan# 1241
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion: 65 Resp: 29900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 66.2 | 58.3 | 87.5 |
| 138 | 105.4 | 89.1 | 133.7 |



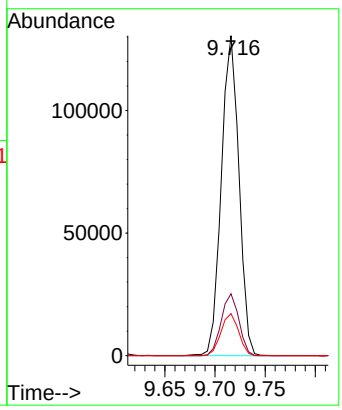


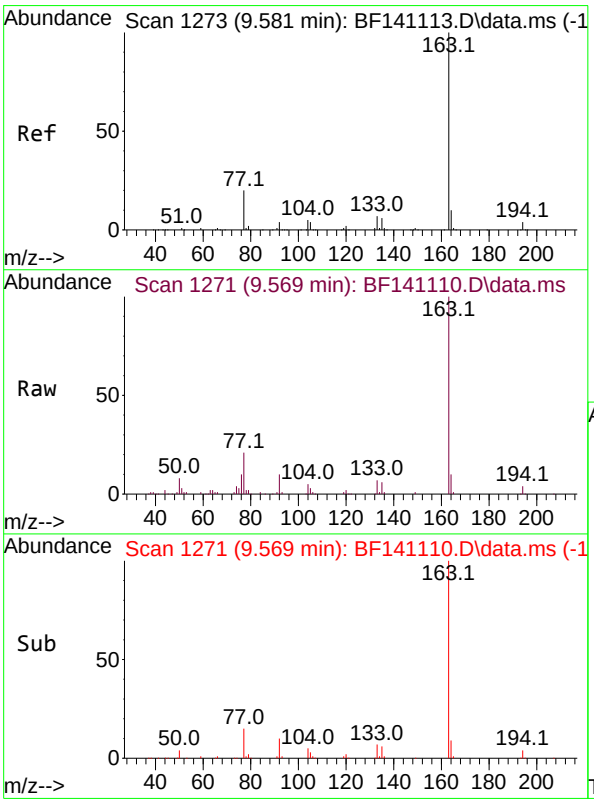

#49
Acenaphthylene
Concen: 5.541 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:152 Resp: 159028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.4 | 16.1 | 24.1 |
| 153 | 13.1 | 11.1 | 16.7 |

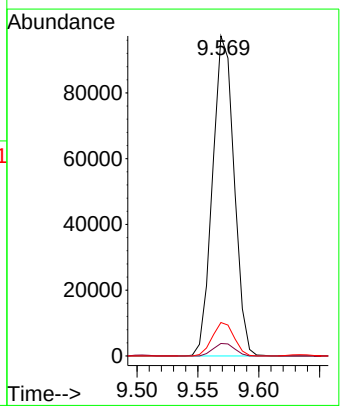


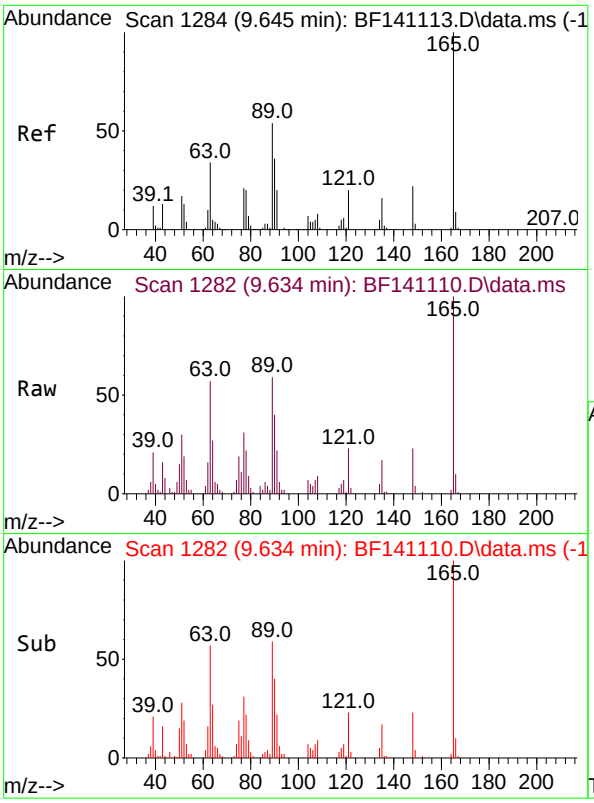




#50
Dimethylphthalate
Concen: 5.389 ng
RT: 9.569 min Scan# 1271
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:163 Resp: 120152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.0 | 4.6 |
| 164 | 10.5 | 8.2 | 12.4 |



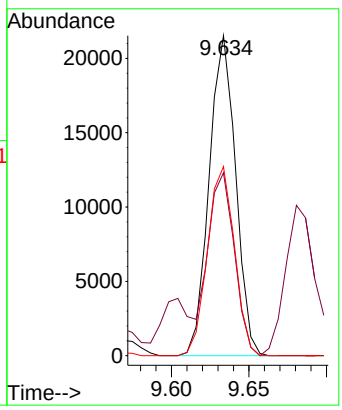


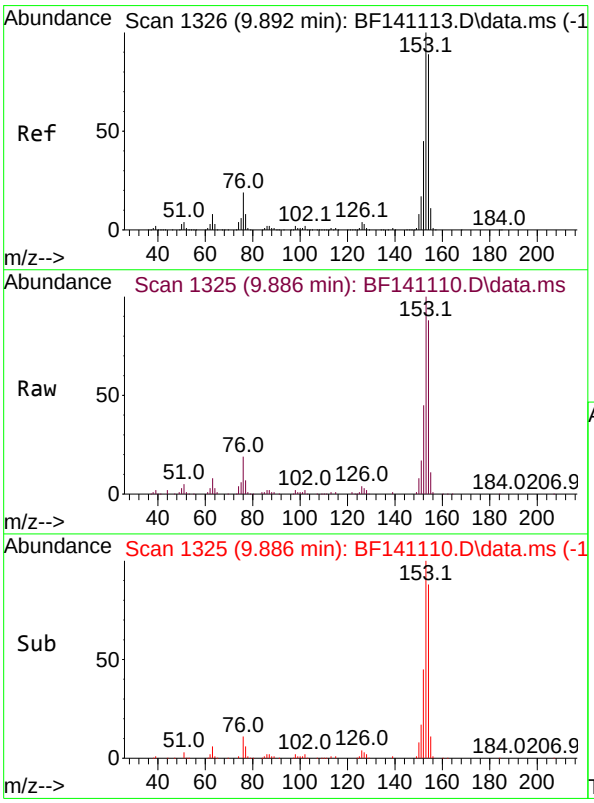

#51
2,6-Dinitrotoluene
Concen: 4.929 ng
RT: 9.634 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:165 Resp: 25553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 57.2 | 42.3 | 63.5 |
| 89 | 59.1 | 43.1 | 64.7 |

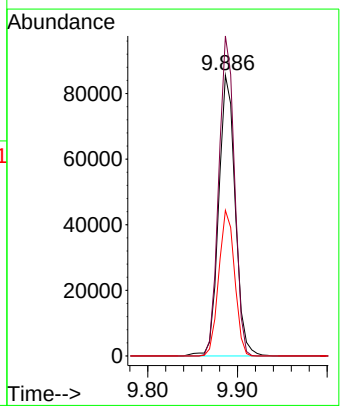


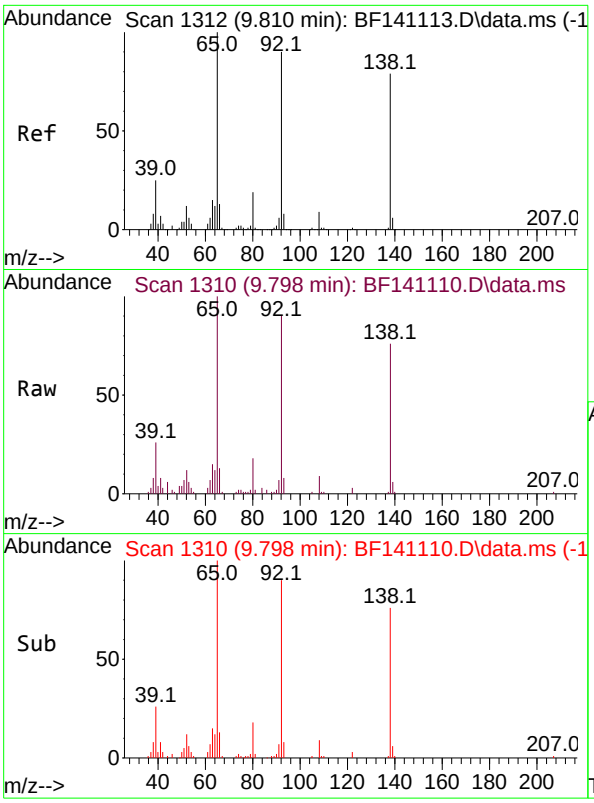




#52
Acenaphthene
Concen: 5.452 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:154 Resp: 109318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.0 | 89.8 | 134.6 |
| 152 | 51.9 | 40.8 | 61.2 |



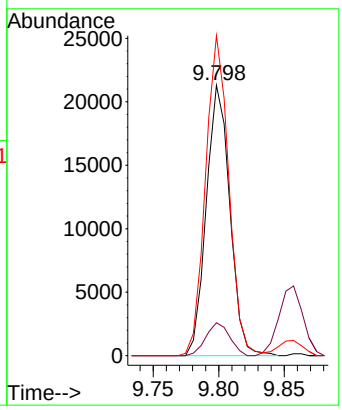


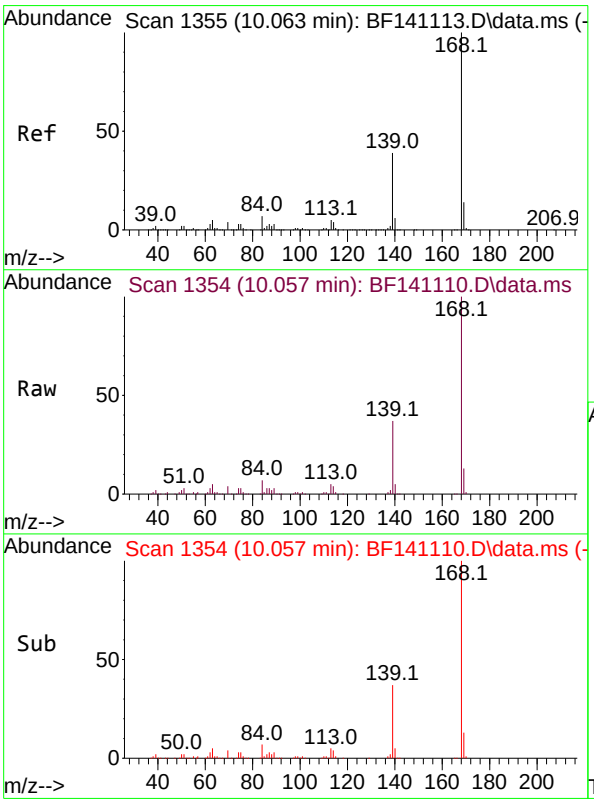

#53
3-Nitroaniline
Concen: 5.058 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:138 Resp: 26650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 12.2 | 8.8 | 13.2 |
| 92 | 118.4 | 91.3 | 136.9 |

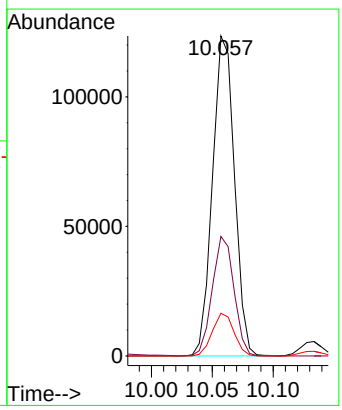


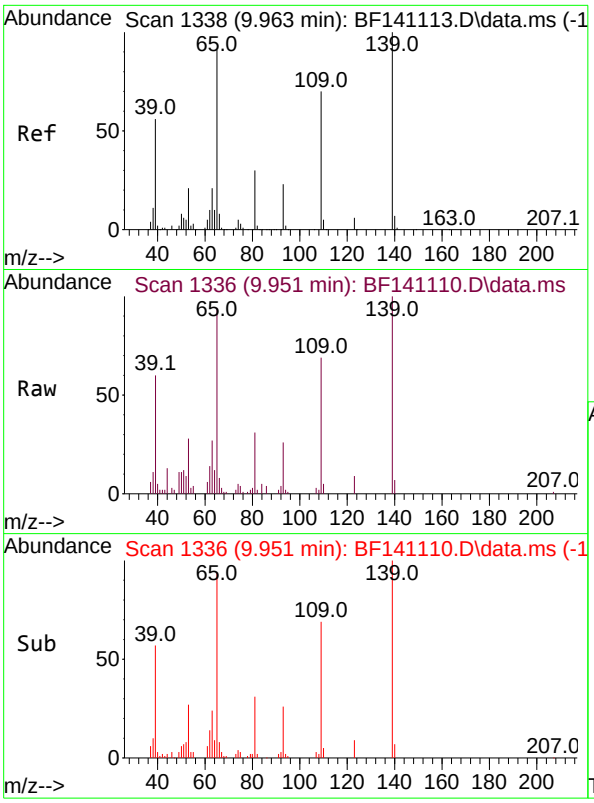




#55
Dibenzofuran
Concen: 5.680 ng
RT: 10.057 min Scan# 1354
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:168 Resp: 154910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.3 | 31.4 | 47.0 |
| 169 | 13.4 | 10.9 | 16.3 |



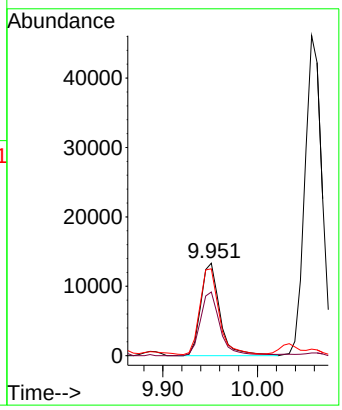


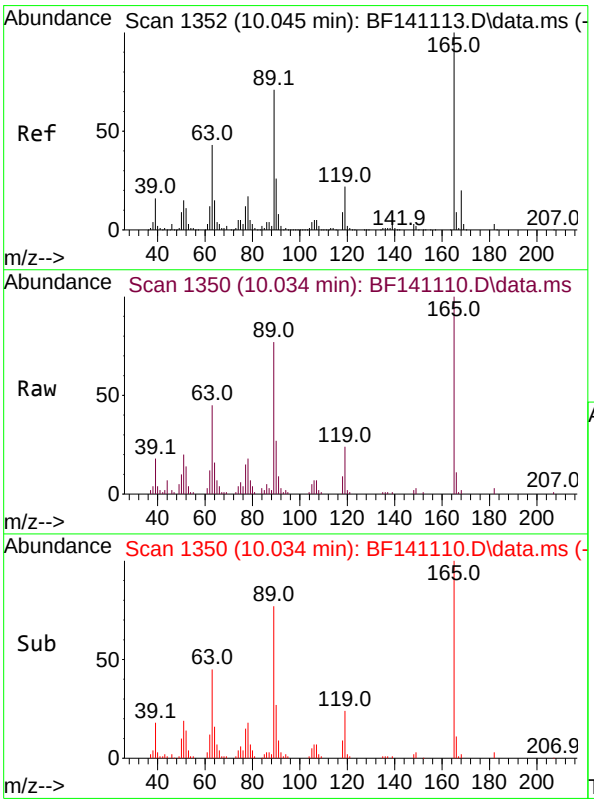

#56
4-Nitrophenol
Concen: 4.505 ng
RT: 9.951 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:139 Resp: 18587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 68.8 | 50.2 | 90.2 |
| 65 | 93.9 | 72.1 | 112.1 |

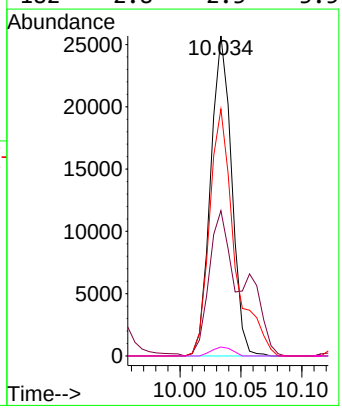


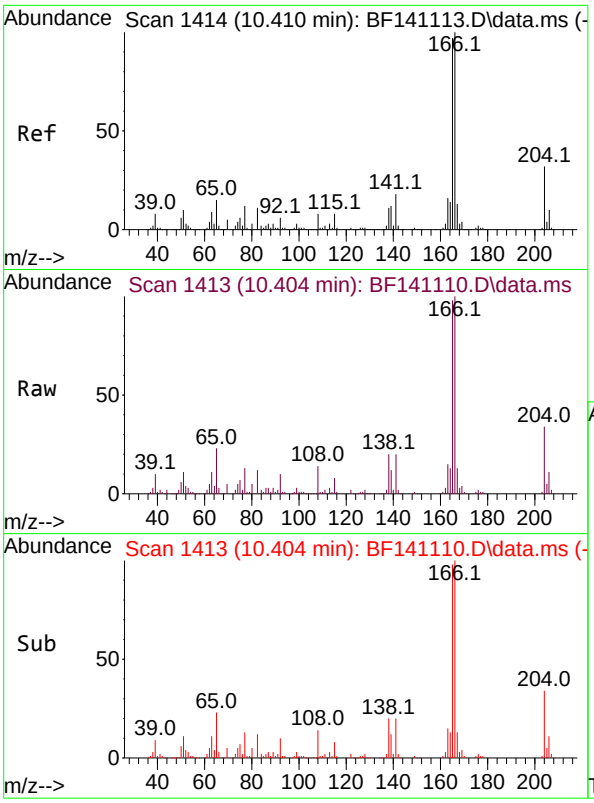




#57
2,4-Dinitrotoluene
Concen: 4.619 ng
RT: 10.034 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:165 Resp: 30860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 45.4 | 35.0 | 52.4 |
| 89 | 77.2 | 56.7 | 85.1 |
| 182 | 2.8 | 2.3 | 3.5 |



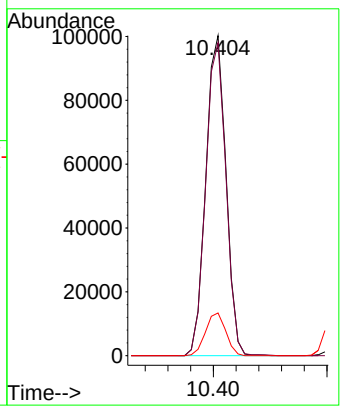


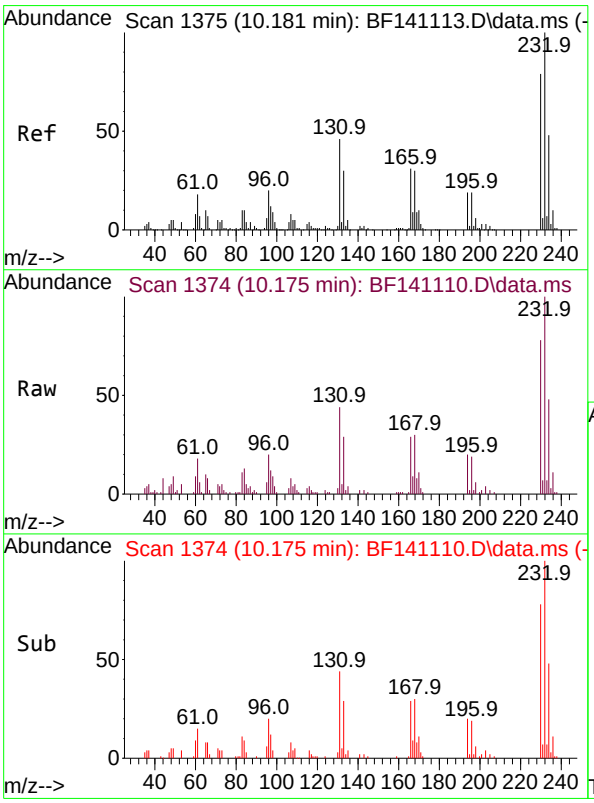

#58
Fluorene
Concen: 5.829 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:166 Resp: 123503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.8 | 77.8 | 116.8 |
| 167 | 13.3 | 10.8 | 16.2 |

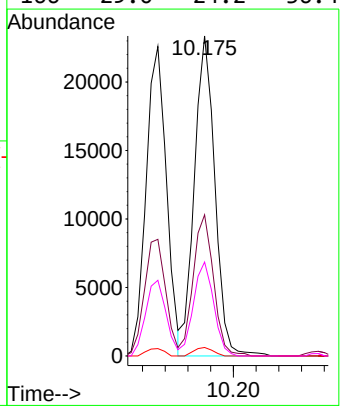


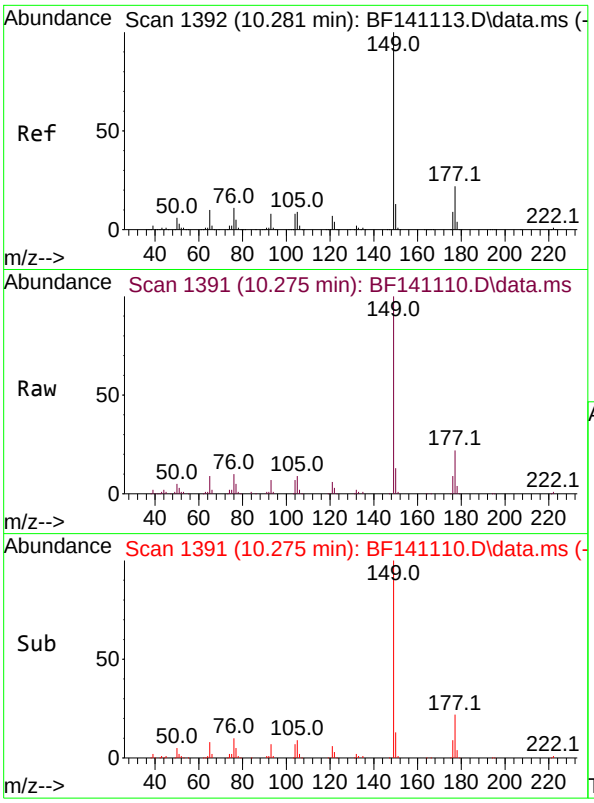




#59
2,3,4,6-Tetrachlorophenol
Concen: 5.199 ng
RT: 10.175 min Scan# 1374
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:232 Resp: 29338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 43.9 | 36.2 | 54.4 |
| 130 | 2.4 | 2.0 | 3.0 |
| 166 | 29.0 | 24.2 | 36.4 |



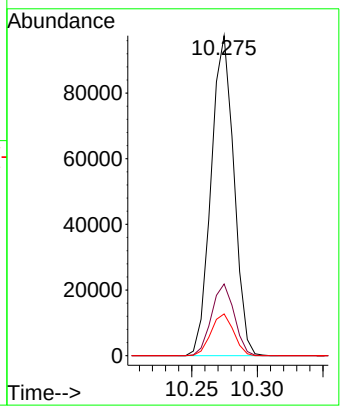


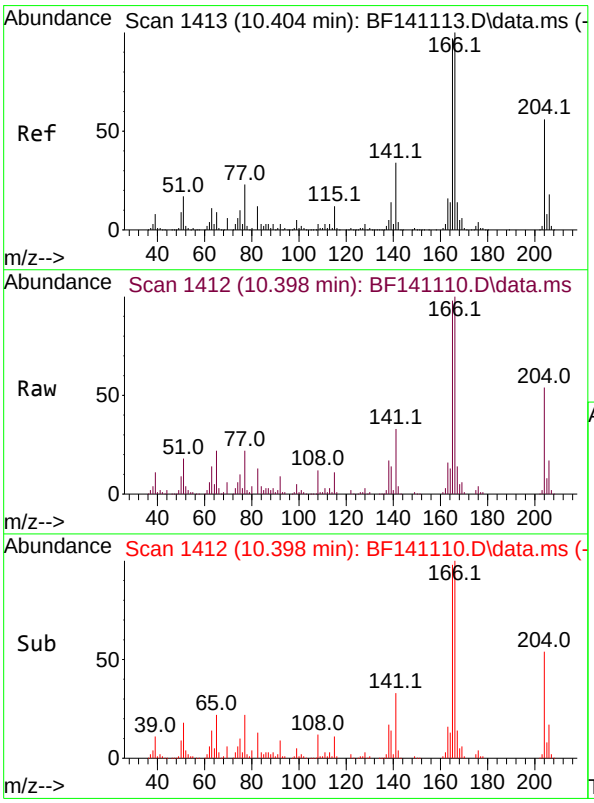

#60
Diethylphthalate
Concen: 5.401 ng
RT: 10.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:149 Resp: 117549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.4 | 17.9 | 26.9 |
| 150 | 13.0 | 10.2 | 15.2 |

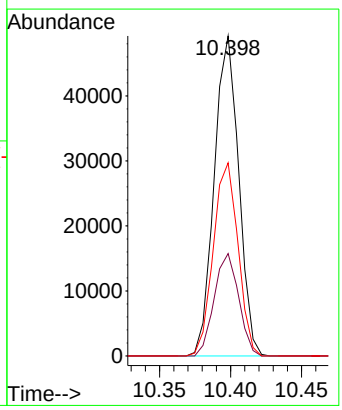


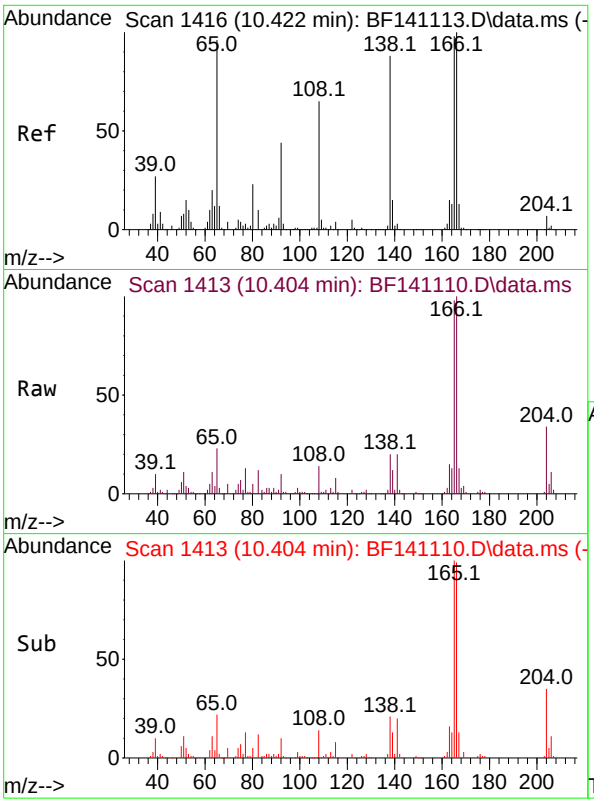




#61
4-Chlorophenyl-phenylether
Concen: 5.698 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:204 Resp: 58845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.0 | 25.9 | 38.9 |
| 141 | 60.3 | 49.1 | 73.7 |



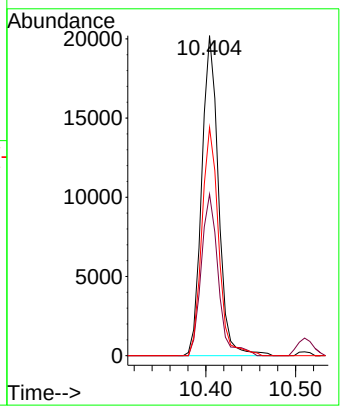


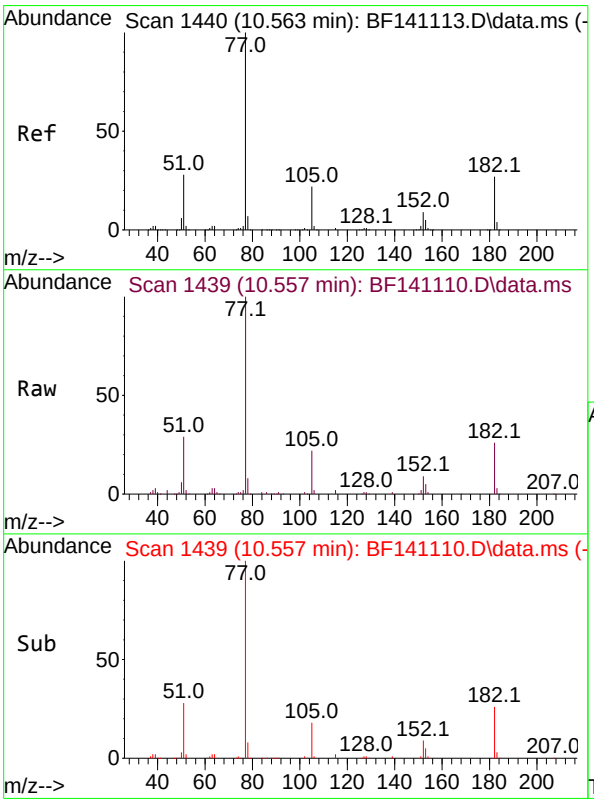

#62
4-Nitroaniline
Concen: 5.060 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:138 Resp: 26092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.5 | 29.4 | 69.4 |
| 108 | 71.3 | 53.7 | 93.7 |

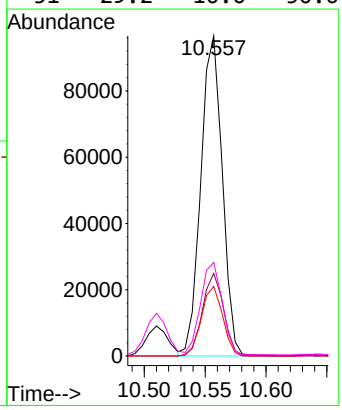


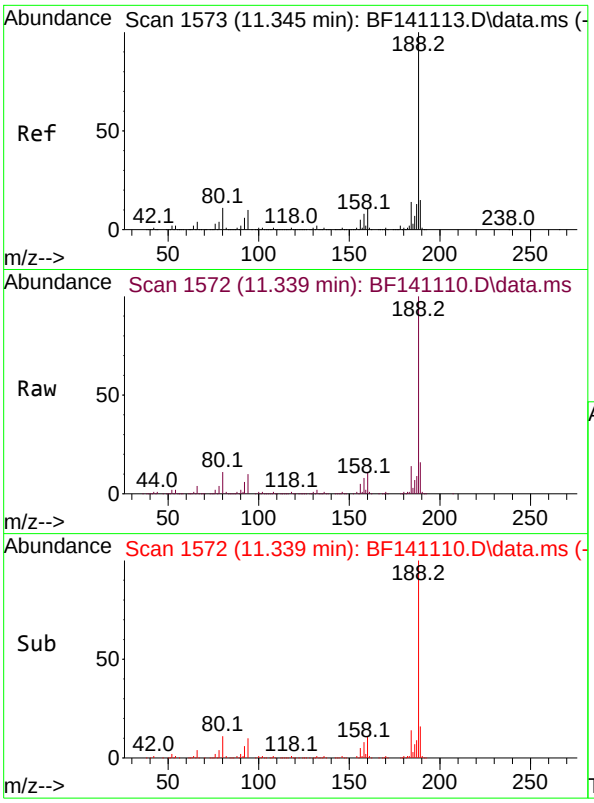




#63
Azobenzene
Concen: 5.528 ng
RT: 10.557 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion: 77 Resp: 118725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.8 | 6.1 | 46.1 |
| 105 | 21.8 | 2.1 | 42.1 |
| 51 | 29.2 | 10.0 | 50.0 |



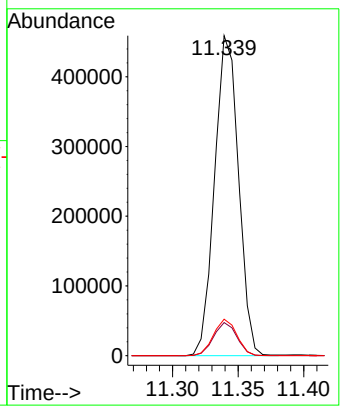


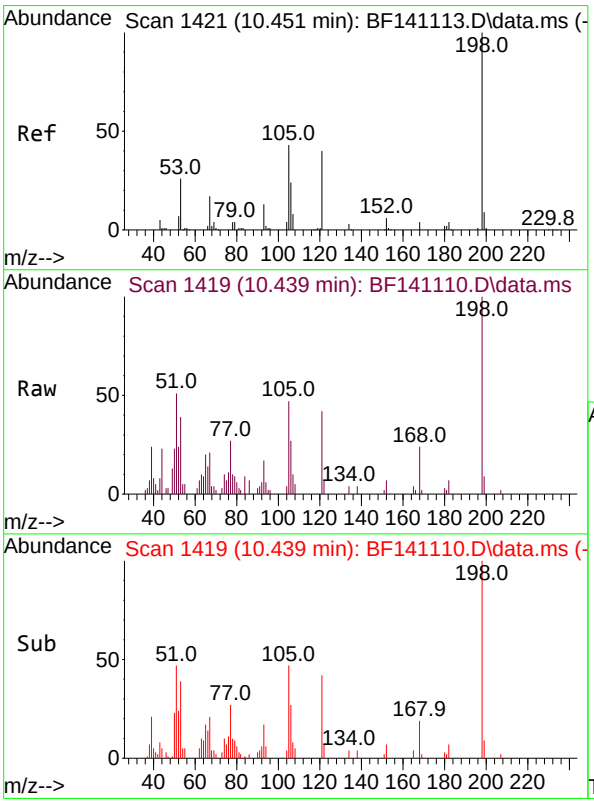

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:188 Resp: 581741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.3 | 8.3 | 12.5 |
| 80 | 11.4 | 9.0 | 13.4 |

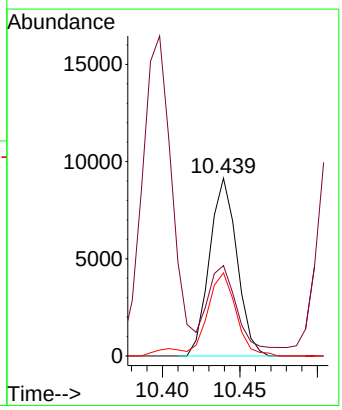


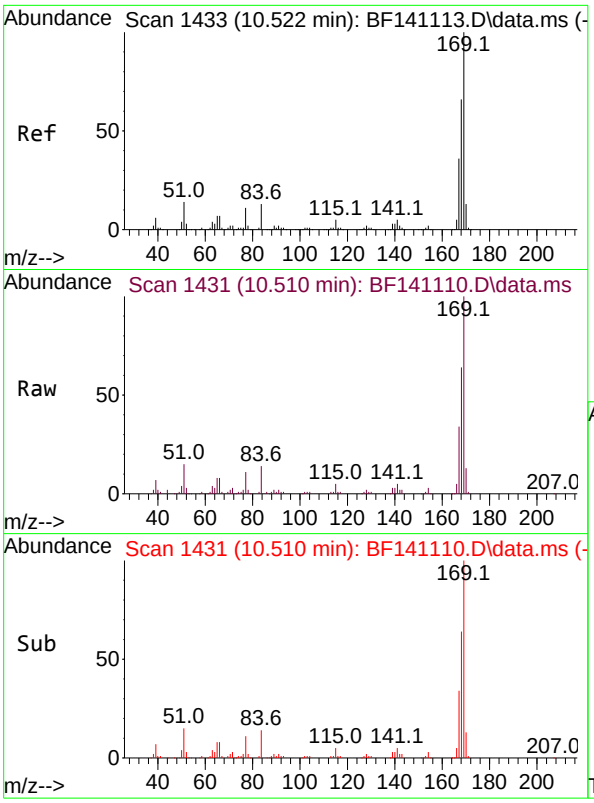




#65
4,6-Dinitro-2-methylphenol
Concen: 3.337 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:198 Resp: 11249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 50.8 | 27.1 | 67.1 |
| 105 | 46.7 | 24.2 | 64.2 |



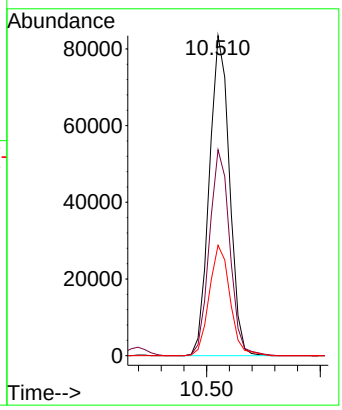


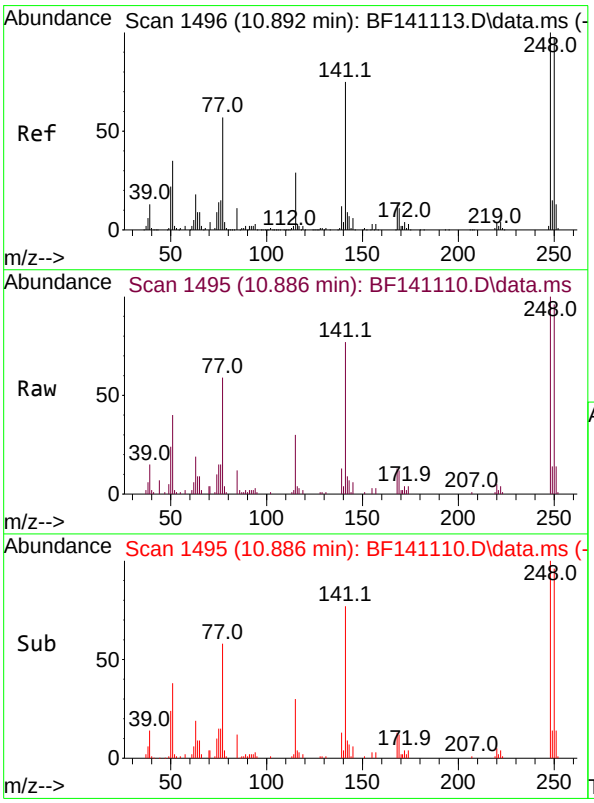

#66
n-Nitrosodiphenylamine
Concen: 5.471 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:169 Resp: 102664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 64.4 | 52.5 | 78.7 |
| 167 | 34.5 | 28.9 | 43.3 |

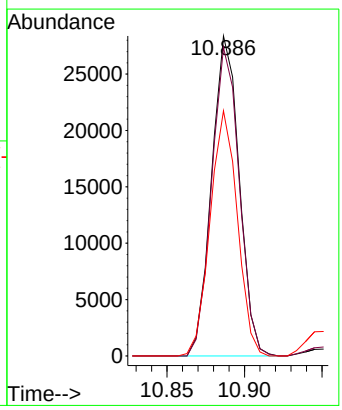


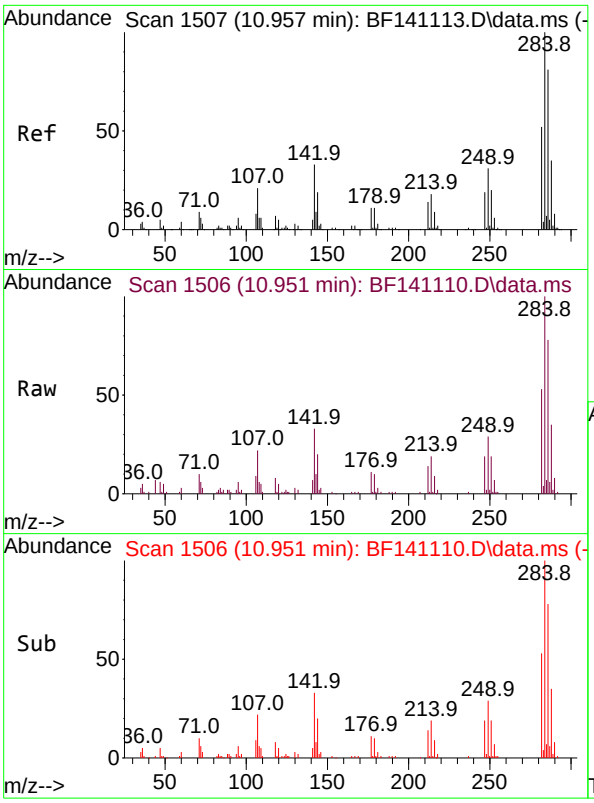




#67
4-Bromophenyl-phenylether
Concen: 5.232 ng
RT: 10.886 min Scan# 1495
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:248 Resp: 35042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.4 | 77.9 | 116.9 |
| 141 | 76.6 | 59.9 | 89.9 |



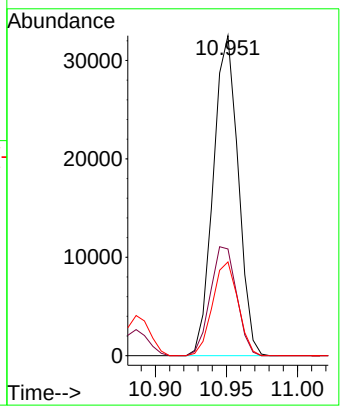


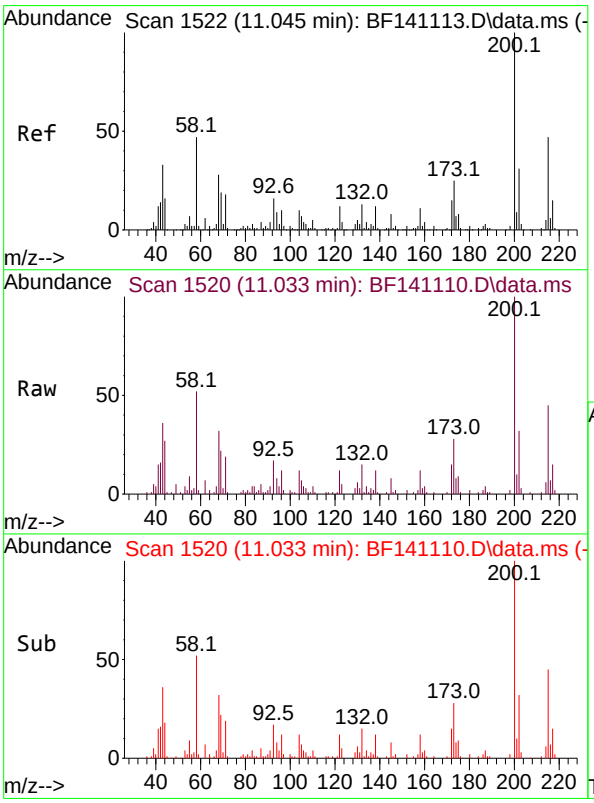

#68
Hexachlorobenzene
Concen: 5.332 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:284 Resp: 39756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.4 | 26.3 | 39.5 |
| 249 | 29.3 | 24.9 | 37.3 |

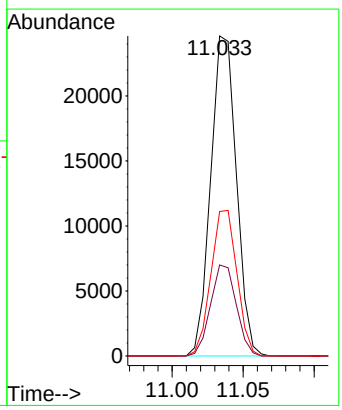


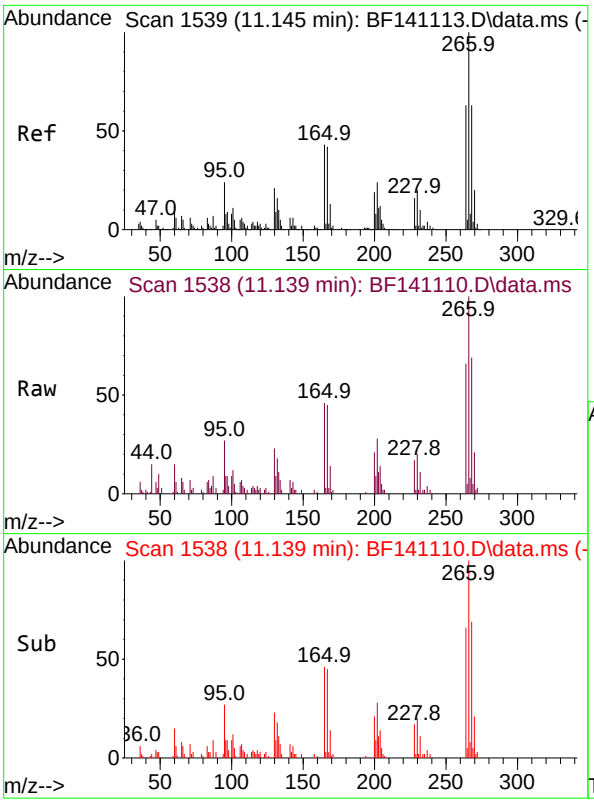




#69
Atrazine
Concen: 6.131 ng
RT: 11.033 min Scan# 1520
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:200 Resp: 30974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 28.5 | 5.4 | 45.4 |
| 215 | 45.2 | 26.6 | 66.6 |



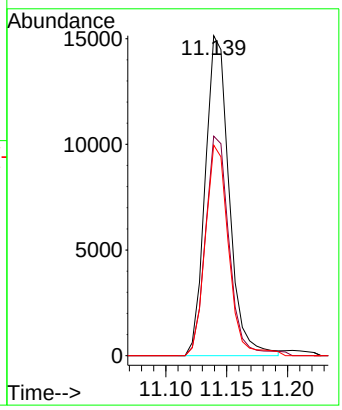


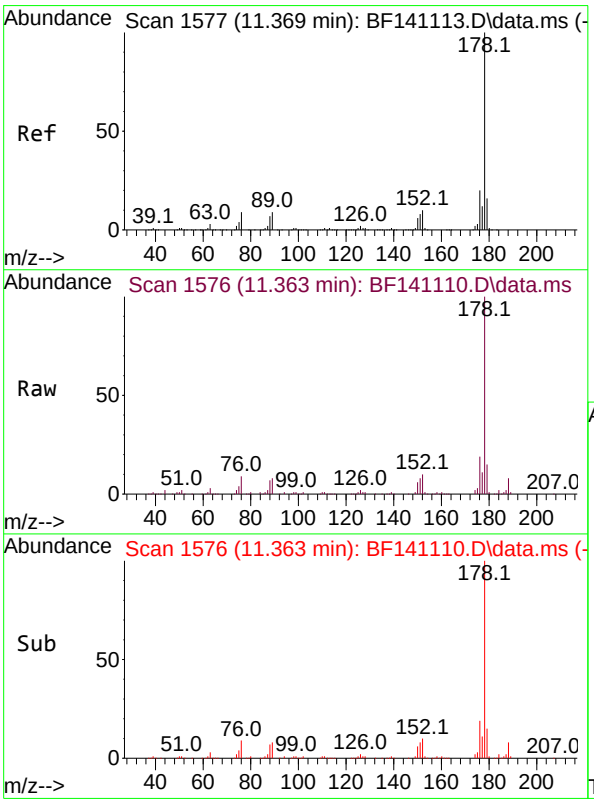

#70
Pentachlorophenol
Concen: 4.338 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:266 Resp: 20711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 68.6 | 50.4 | 75.6 |
| 264 | 65.8 | 50.2 | 75.2 |

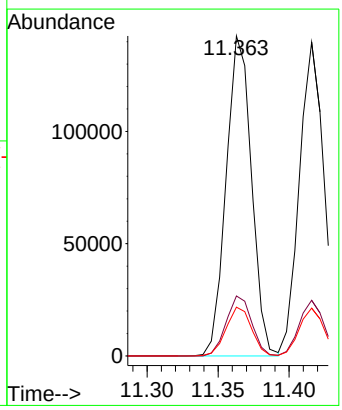


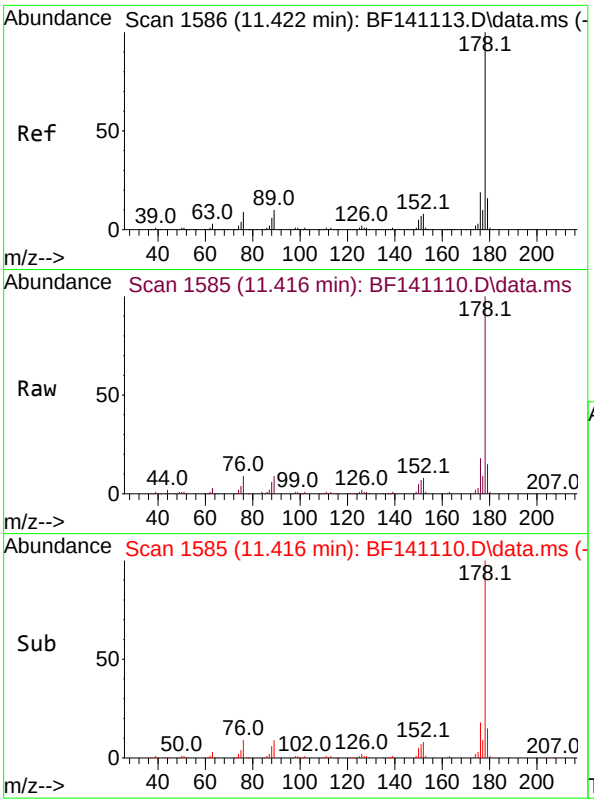




#71
Phenanthrene
Concen: 5.670 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:178 Resp: 177095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.7 | 23.5 |
| 179 | 15.3 | 12.6 | 19.0 |



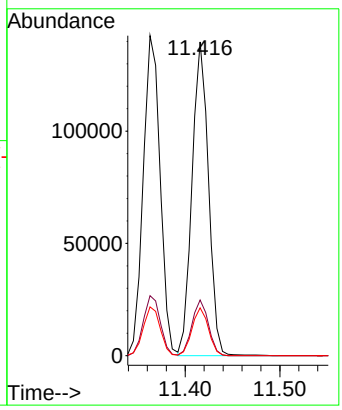


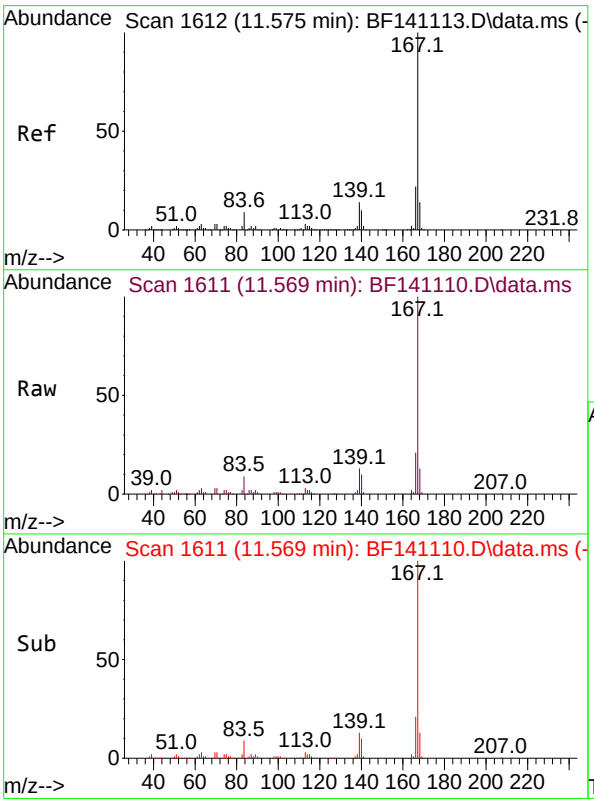

#72
Anthracene
Concen: 5.564 ng
RT: 11.416 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:178 Resp: 168968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.8 | 14.9 | 22.3 |
| 179 | 15.2 | 12.6 | 19.0 |

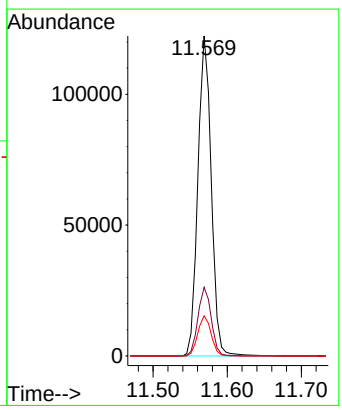


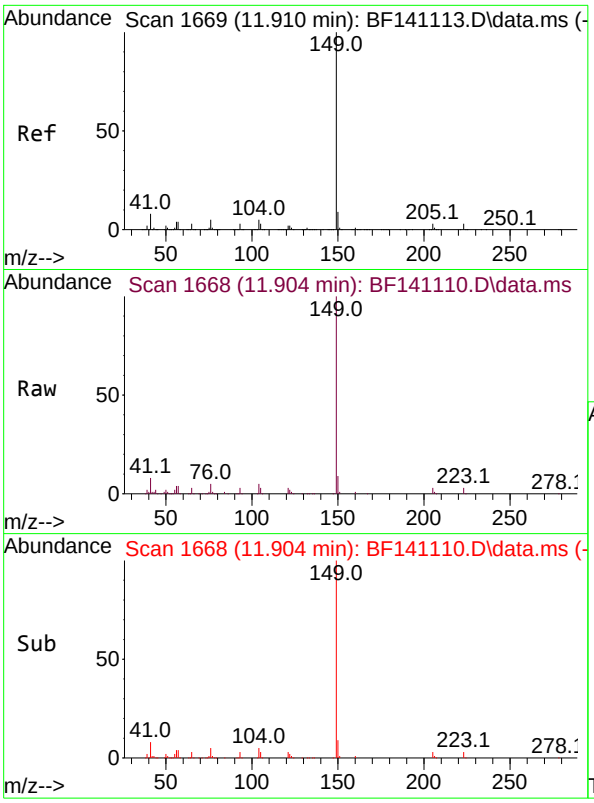




#73
Carbazole
Concen: 5.497 ng
RT: 11.569 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:167 Resp: 153065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.4 | 26.2 |
| 139 | 12.6 | 10.9 | 16.3 |



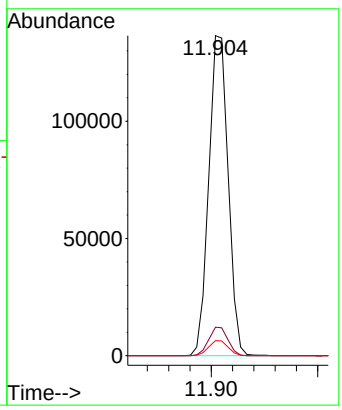


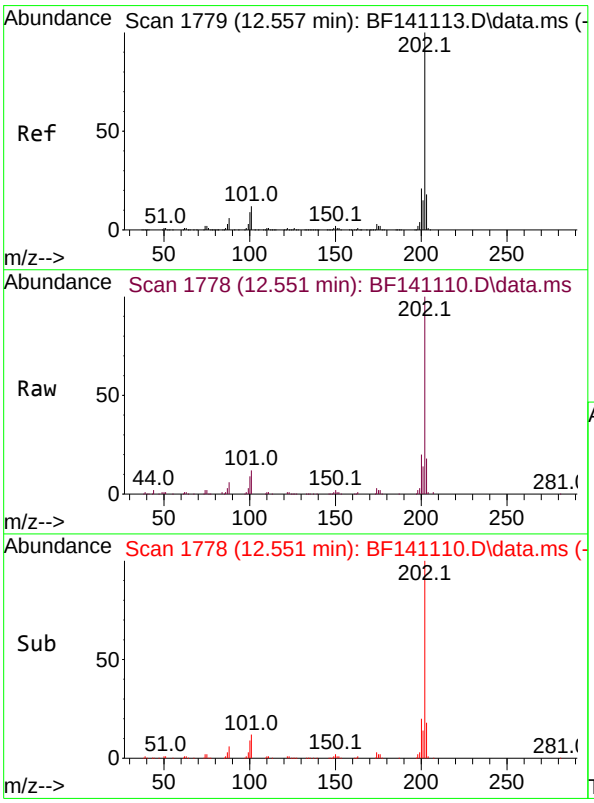

#74
Di-n-butylphthalate
Concen: 5.414 ng
RT: 11.904 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:149 Resp: 172526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 8.9 | 7.4 | 11.2 |
| 104 | 4.7 | 4.2 | 6.2 |

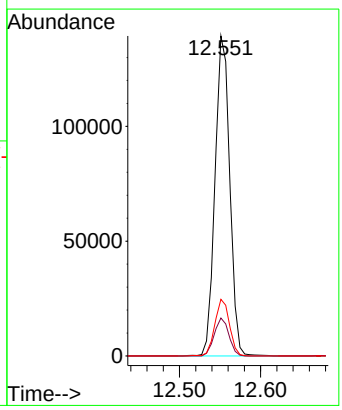


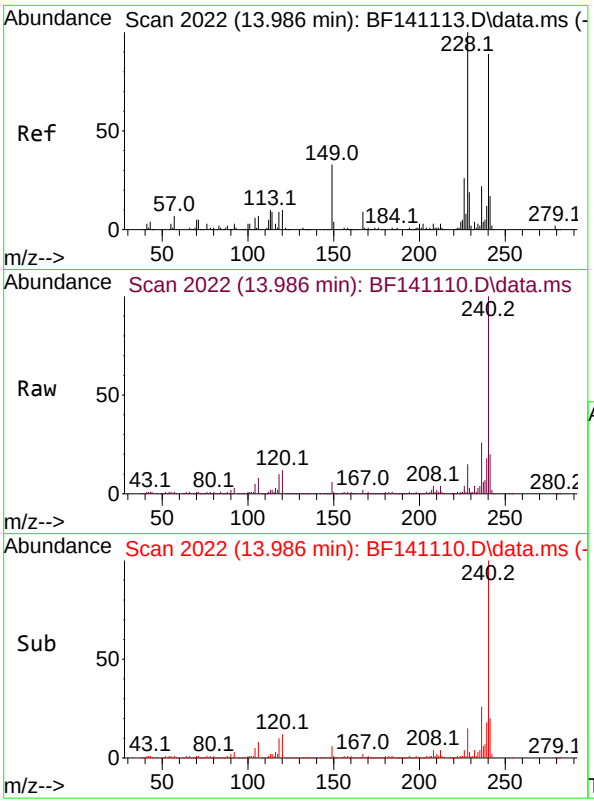




#75
Fluoranthene
Concen: 5.650 ng
RT: 12.551 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:202 Resp: 176105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.8 | 0.0 | 32.3 |
| 203 | 17.7 | 0.0 | 37.7 |



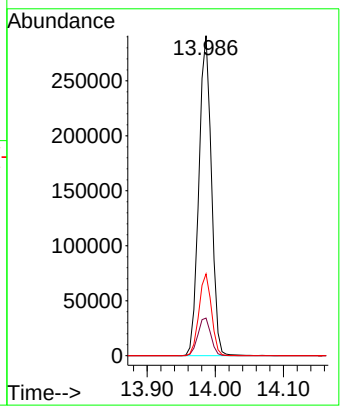


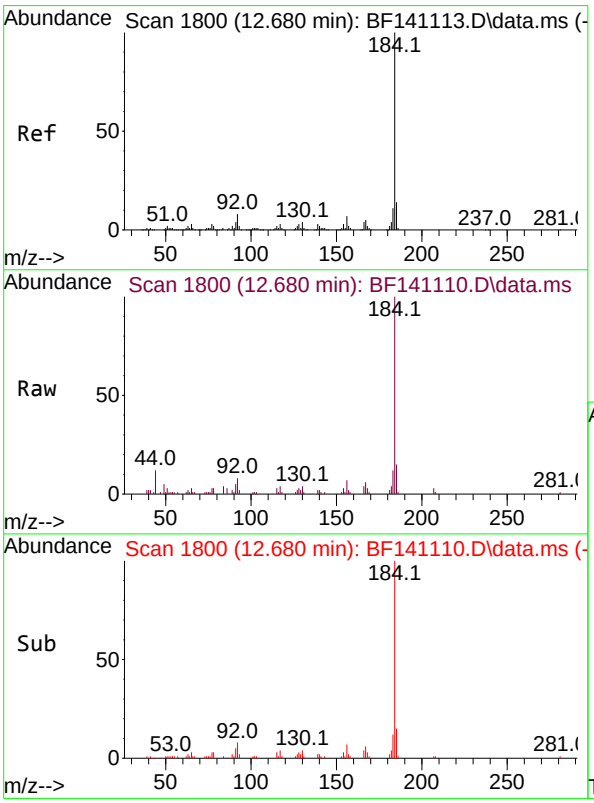

#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:240 Resp: 370828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.7 | 9.1 | 13.7 |
| 236 | 25.5 | 19.8 | 29.6 |

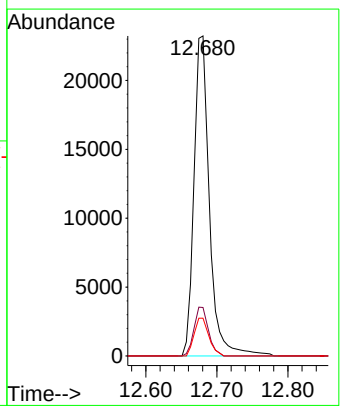


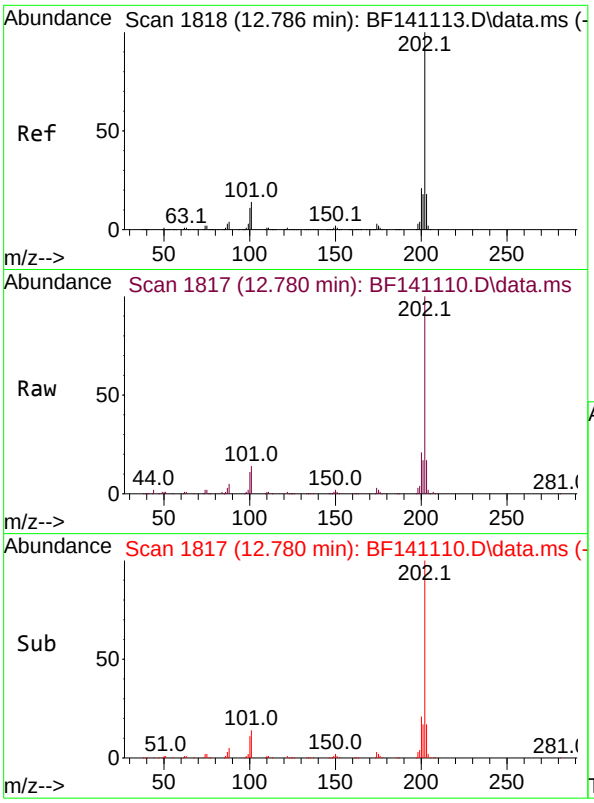




#77
Benzidine
Concen: 5.121 ng
RT: 12.680 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:184 Resp: 35213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.2 | 11.4 | 17.0 |
| 183 | 11.8 | 9.2 | 13.8 |



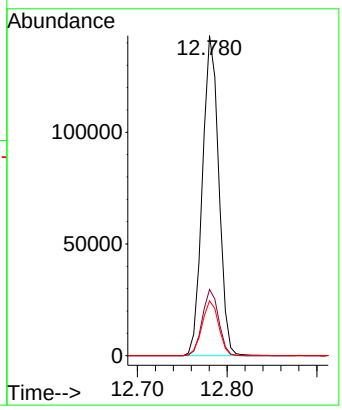


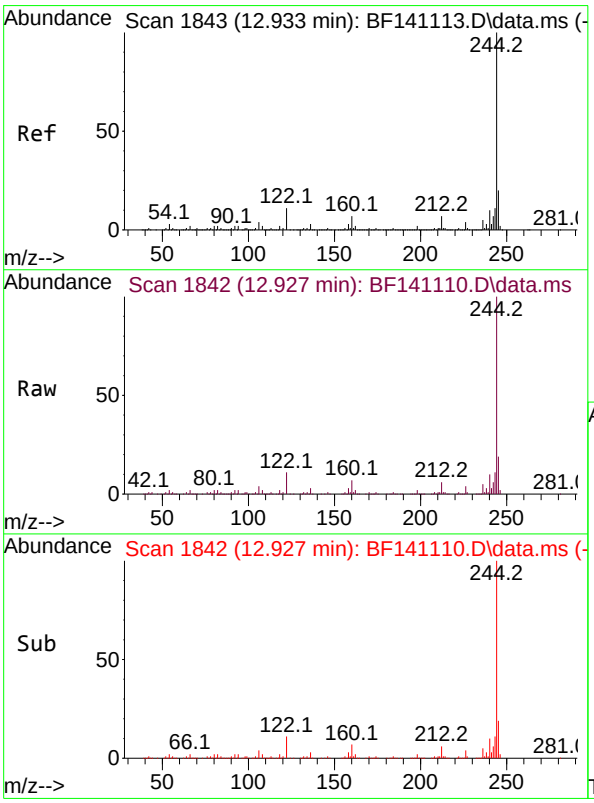

#78
Pyrene
Concen: 5.110 ng
RT: 12.780 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:202 Resp: 180982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.7 | 16.8 | 25.2 |
| 203 | 17.2 | 14.3 | 21.5 |

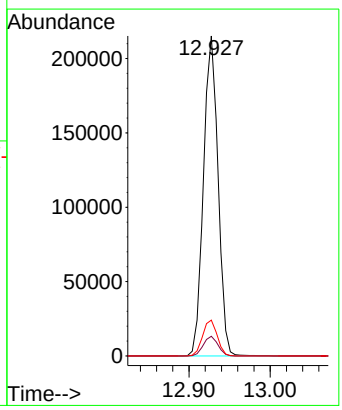


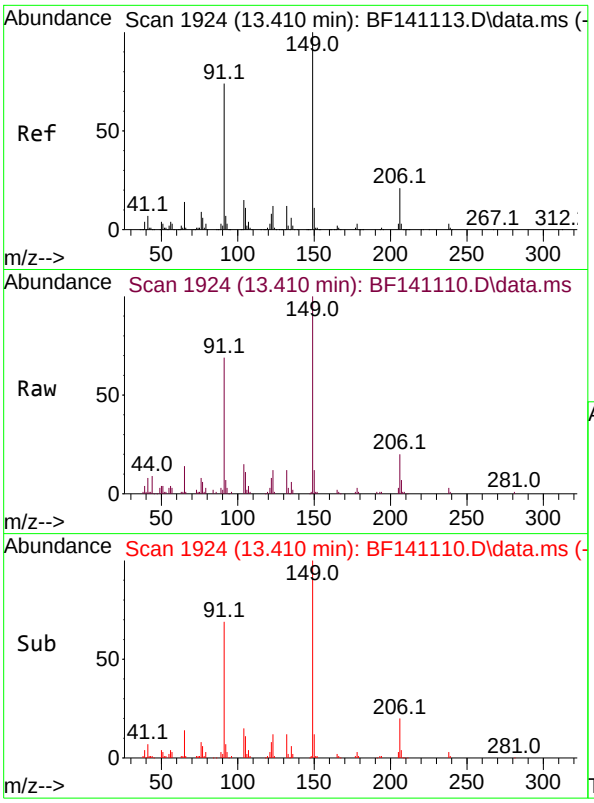




#79
Terphenyl-d14
Concen: 10.734 ng
RT: 12.927 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:244 Resp: 267821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.1 | 5.4 | 8.2 |
| 122 | 11.2 | 8.8 | 13.2 |



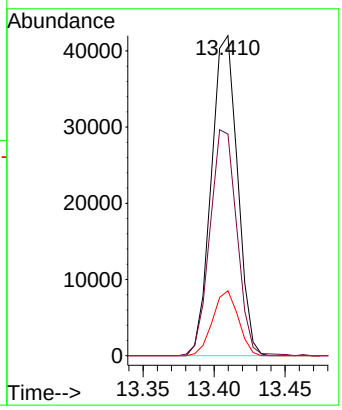


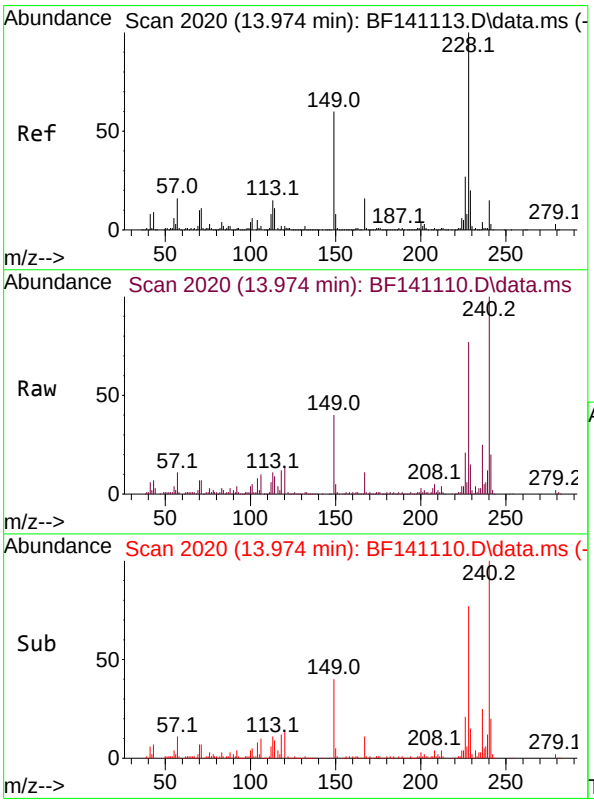

#80
Butylbenzylphthalate
Concen: 4.574 ng
RT: 13.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:149 Resp: 54011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.3 | 59.0 | 88.6 |
| 206 | 20.3 | 16.5 | 24.7 |

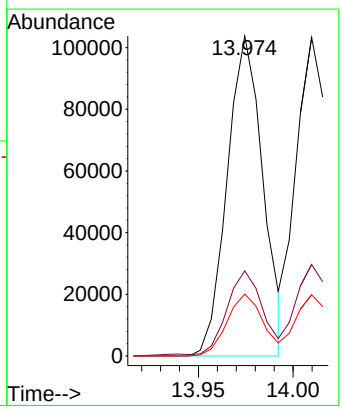


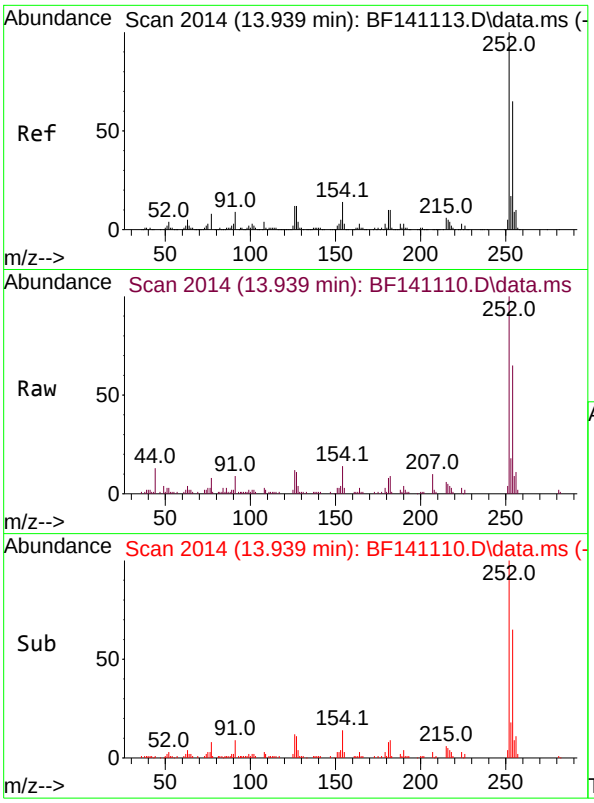




#81
Benzo(a)anthracene
Concen: 5.412 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:228 Resp: 136580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.6 | 21.7 | 32.5 |
| 229 | 19.4 | 15.7 | 23.5 |



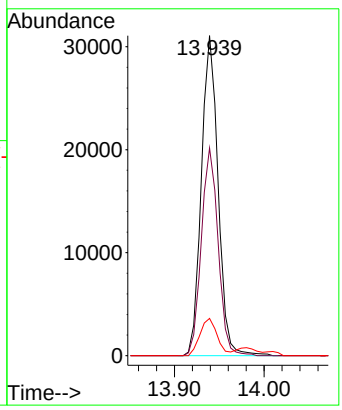


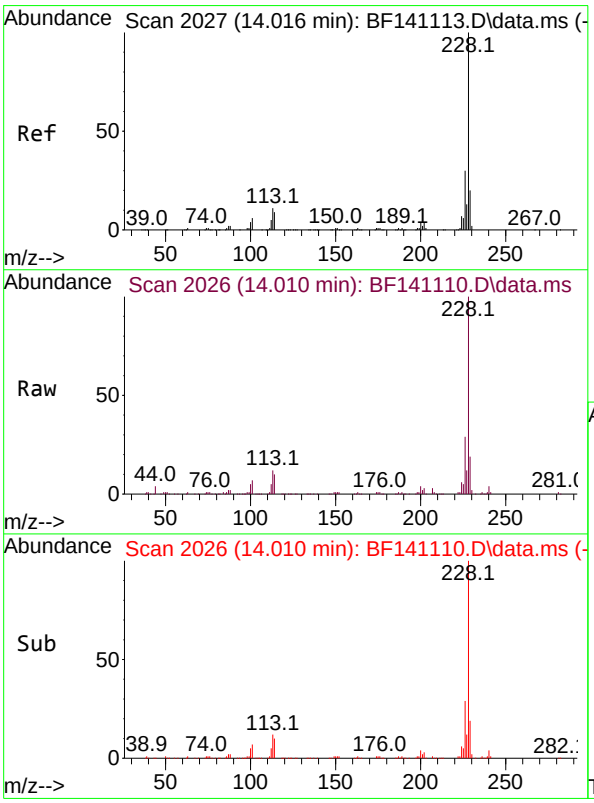

#82
3,3'-Dichlorobenzidine
Concen: 5.007 ng
RT: 13.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:252 Resp: 40239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.9 | 52.0 | 78.0 |
| 126 | 11.6 | 9.4 | 14.0 |

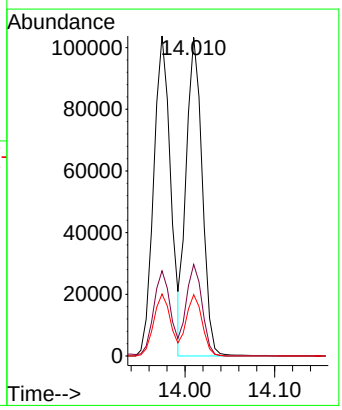


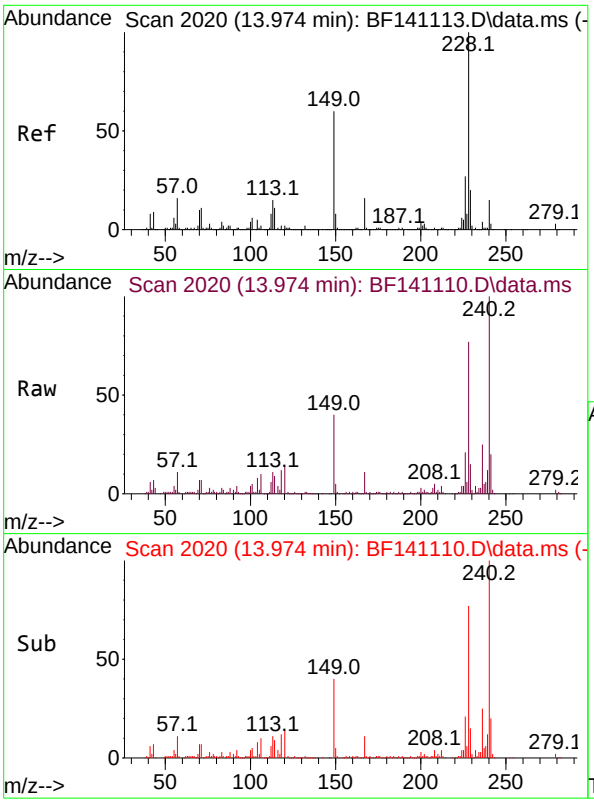




#83
Chrysene
Concen: 5.425 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:228 Resp: 128102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.7 | 23.8 | 35.8 |
| 229 | 19.2 | 15.8 | 23.8 |



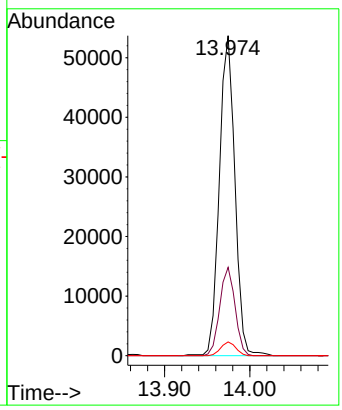


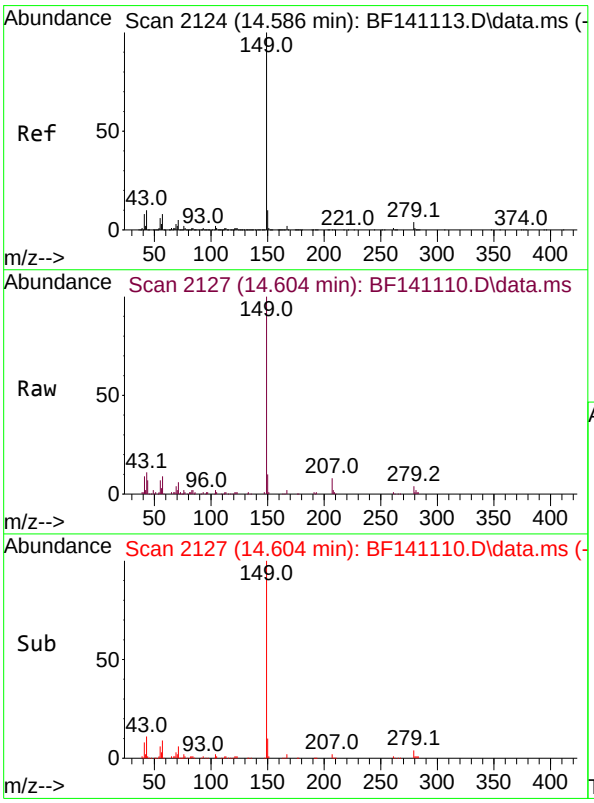

#84
Bis(2-ethylhexyl)phthalate
Concen: 4.801 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:149 Resp: 68031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.6 | 21.4 | 32.2 |
| 279 | 4.3 | 3.4 | 5.2 |

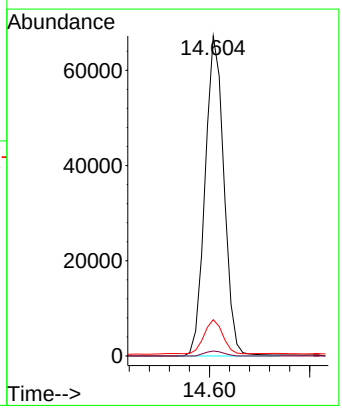


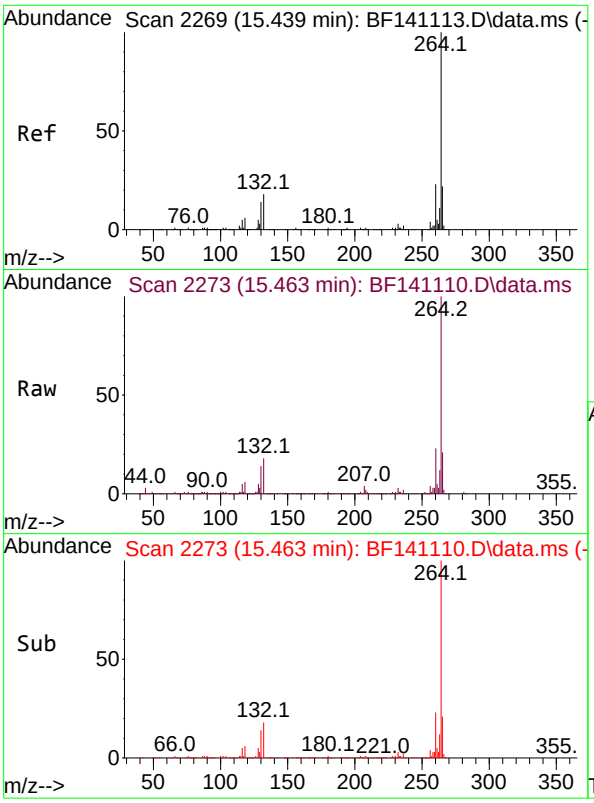




#85
Di-n-octyl phthalate
Concen: 4.115 ng
RT: 14.604 min Scan# 2127
Delta R.T. 0.018 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:149 Resp: 88039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 10.5 | 8.4 | 12.6 |



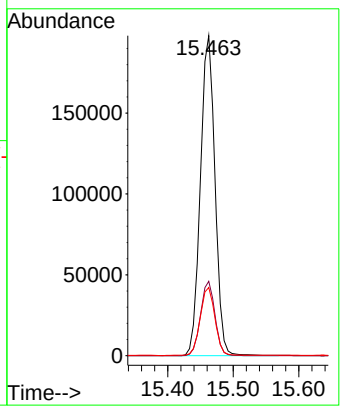


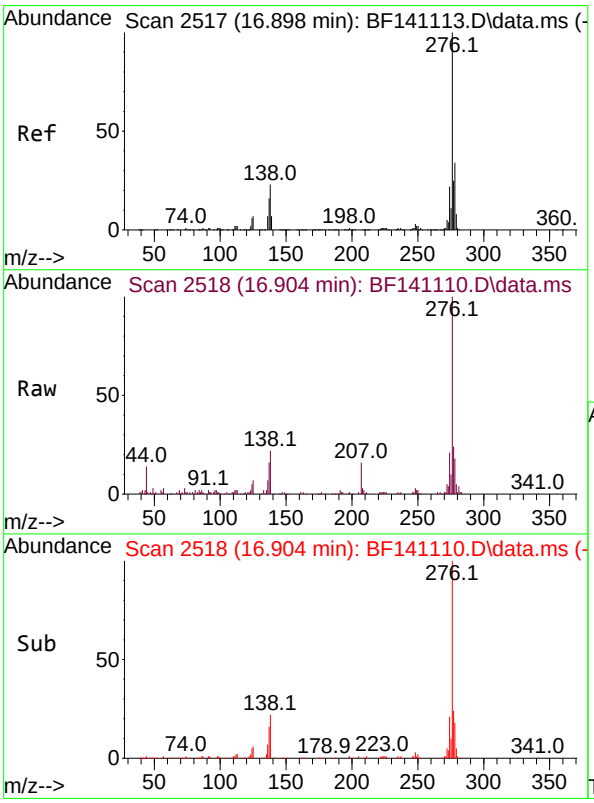

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:264 Resp: 306986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.6 | 28.0 |
| 265 | 21.3 | 17.4 | 26.0 |

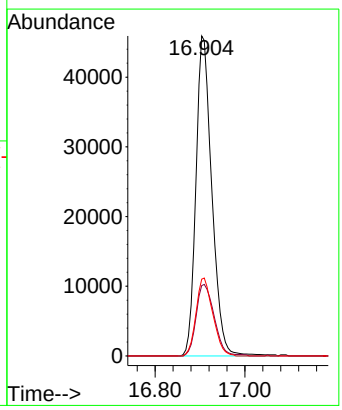


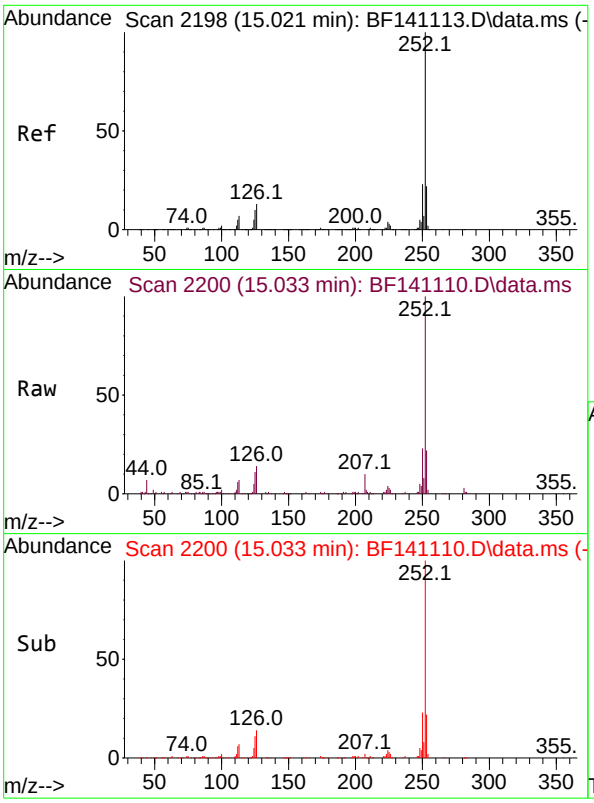




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.025 ng
RT: 16.904 min Scan# 2518
Delta R.T. 0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:276 Resp: 113009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.4 | 20.7 | 31.1 |
| 277 | 25.6 | 20.6 | 30.8 |



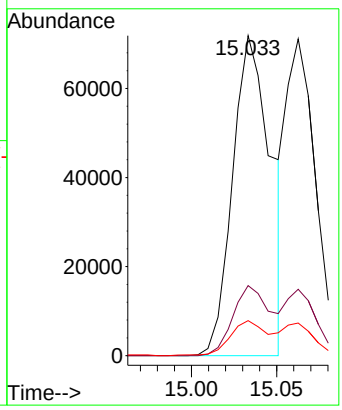


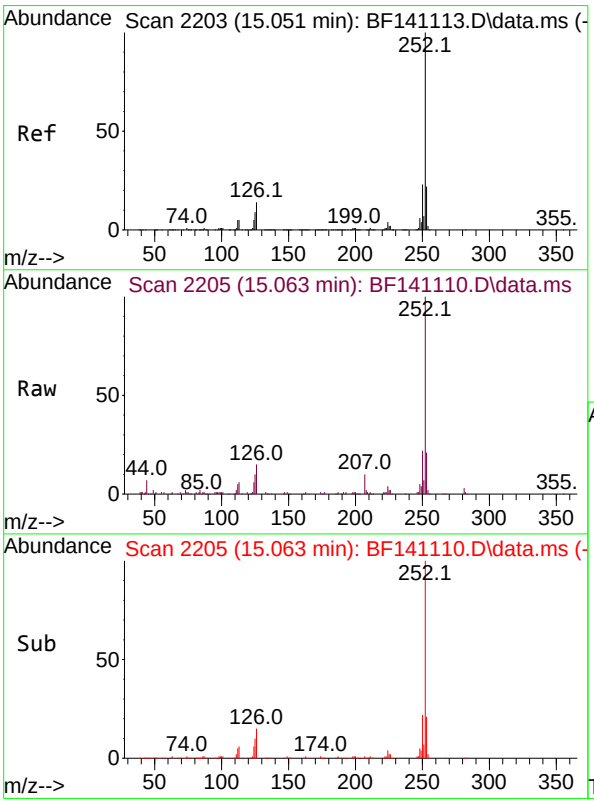

#88
Benzo(b)fluoranthene
Concen: 5.664 ng
RT: 15.033 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:252 Resp: 112121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.8 | 26.6 |
| 125 | 11.0 | 8.1 | 12.1 |

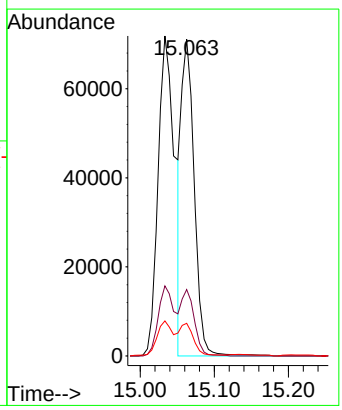


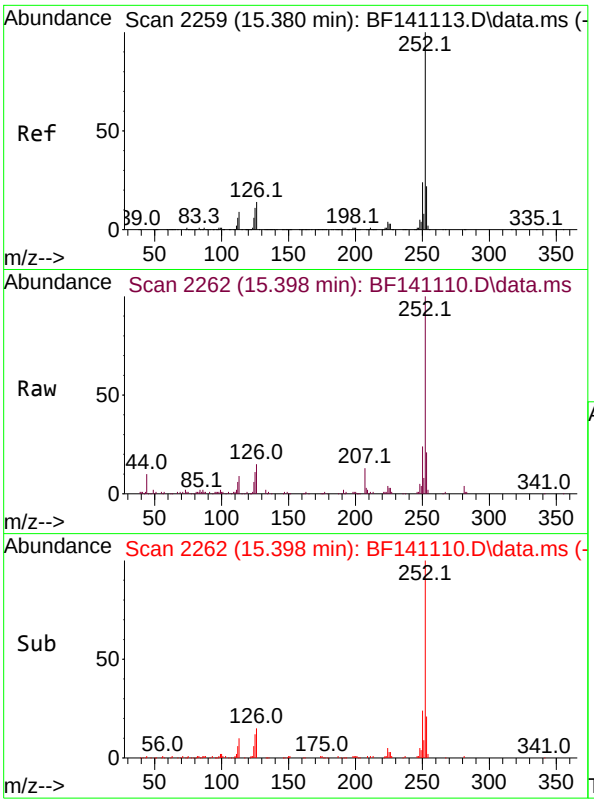




#89
Benzo(k)fluoranthene
Concen: 5.175 ng
RT: 15.063 min Scan# 2205
Delta R.T. 0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:252 Resp: 86565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.0 | 17.8 | 26.8 |
| 125 | 10.3 | 7.9 | 11.9 |



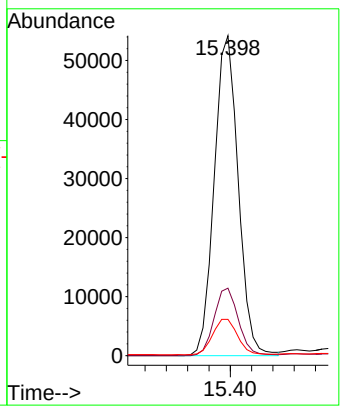


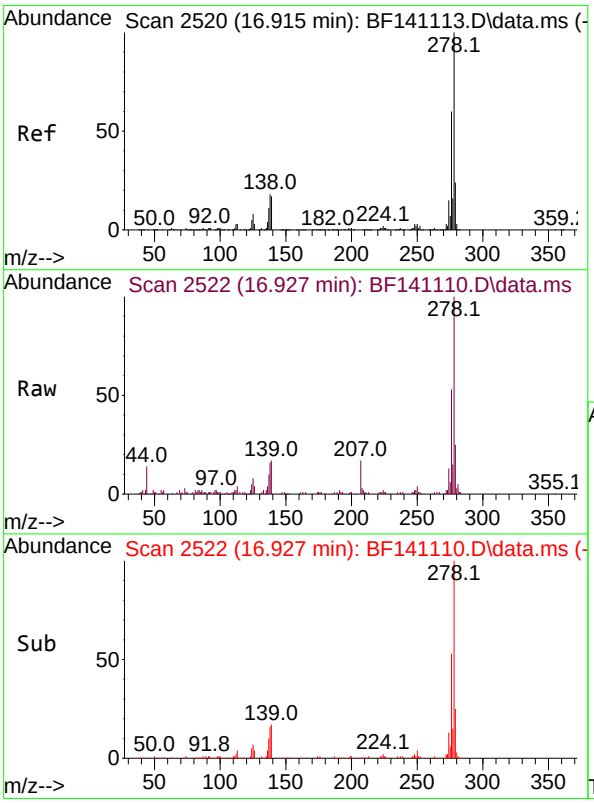

#90
Benzo(a)pyrene
Concen: 5.183 ng
RT: 15.398 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:252 Resp: 84656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.1 | 17.7 | 26.5 |
| 125 | 11.3 | 9.1 | 13.7 |

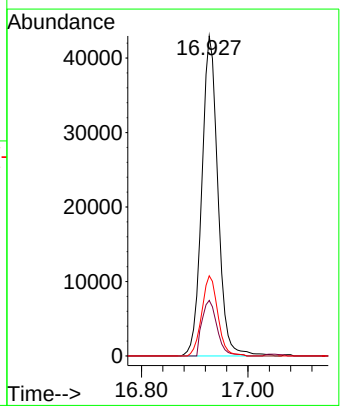


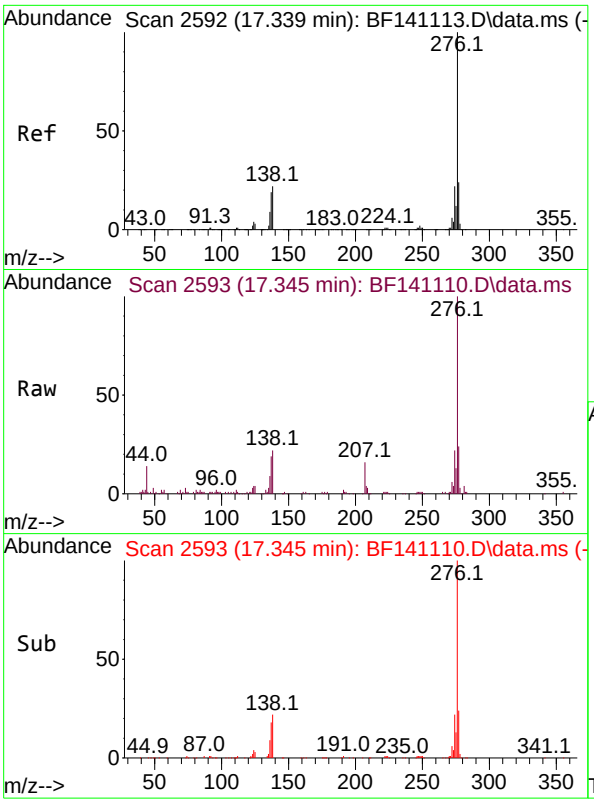




#91
Dibenzo(a,h)anthracene
Concen: 4.952 ng
RT: 16.927 min Scan# 2522
Delta R.T. 0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:278 Resp: 90084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.4 | 13.8 | 20.6 |
| 279 | 25.1 | 19.1 | 28.7 |



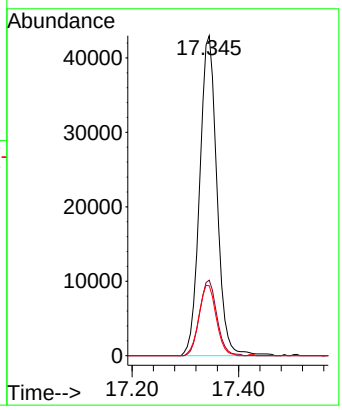



#92
Benzo(g,h,i)perylene
Concen: 5.096 ng
RT: 17.345 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

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

Tgt Ion:276 Resp: 96418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 19.0 | 28.4 |
| 138 | 21.9 | 17.4 | 26.2 |



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141111.D
Acq On : 10 Jan 2025 13:17
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jan 10 22:18:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 152818 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.098 | 136 | 604478 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.857 | 164 | 323407 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.339 | 188 | 565570 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.986 | 240 | 345946 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.463 | 264 | 298779 | 20.000 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.422 | 112 | 213934 | 21.626 | ng | | 0.00 |
| 7) Phenol-d6 | 6.434 | 99 | 271016 | 21.628 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.375 | 82 | 235613 | 20.662 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.639 | 330 | 75448 | 20.474 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.175 | 172 | 471901 | 22.282 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.927 | 244 | 492528 | 21.161 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.528 | 88 | 45563 | 10.343 | ng | | 98 |
| 3) Pyridine | 3.269 | 79 | 116138 | 10.751 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.199 | 42 | 54661 | 10.348 | ng | # | 97 |
| 6) Aniline | 6.475 | 93 | 120980 | 10.874 | ng | | 98 |
| 8) 2-Chlorophenol | 6.598 | 128 | 112757 | 10.624 | ng | | 100 |
| 9) Benzaldehyde | 6.369 | 77 | 87029 | 12.433 | ng | | 99 |
| 10) Phenol | 6.446 | 94 | 145362 | 10.837 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.551 | 93 | 104839 | 10.487 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.757 | 146 | 127000 | 10.729 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.840 | 146 | 126297 | 10.588 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.987 | 146 | 120656 | 10.844 | ng | | 99 |
| 15) Benzyl Alcohol | 6.951 | 79 | 94737 | 10.469 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.093 | 45 | 146135 | 10.476 | ng | | 99 |
| 17) 2-Methylphenol | 7.063 | 107 | 89782 | 10.478 | ng | | 98 |
| 18) Hexachloroethane | 7.334 | 117 | 45125 | 10.461 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.222 | 70 | 77270 | 10.468 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.216 | 107 | 116842 | 10.809 | ng | # | 89 |
| 22) Acetophenone | 7.222 | 105 | 155933 | 10.851 | ng | | 98 |
| 24) Nitrobenzene | 7.393 | 77 | 123929 | 10.428 | ng | | 98 |
| 25) Isophorone | 7.634 | 82 | 201958 | 10.363 | ng | | 98 |
| 26) 2-Nitrophenol | 7.716 | 139 | 52430 | 9.698 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.745 | 122 | 73818 | 10.123 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.845 | 93 | 126489 | 10.342 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.951 | 162 | 89559 | 10.341 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.040 | 180 | 103848 | 10.490 | ng | | 100 |
| 31) Naphthalene | 8.122 | 128 | 340302 | 10.675 | ng | | 99 |
| 32) Benzoic acid | 7.810 | 122 | 63791 | 9.119 | ng | | 96 |
| 33) 4-Chloroaniline | 8.169 | 127 | 117726 | 10.679 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.240 | 225 | 62610 | 10.496 | ng | | 98 |
| 35) Caprolactam | 8.498 | 113 | 27881 | 9.814 | ng | | 89 |
| 36) 4-Chloro-3-methylphenol | 8.640 | 107 | 97256 | 10.268 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.810 | 142 | 217446 | 10.704 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.910 | 142 | 215158 | 10.747 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.981 | 216 | 97255 | 10.477 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 29312 | 9.652 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.087 | 196 | 62070 | 9.915 | ng | | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141111.D
Acq On : 10 Jan 2025 13:17
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jan 10 22:18:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

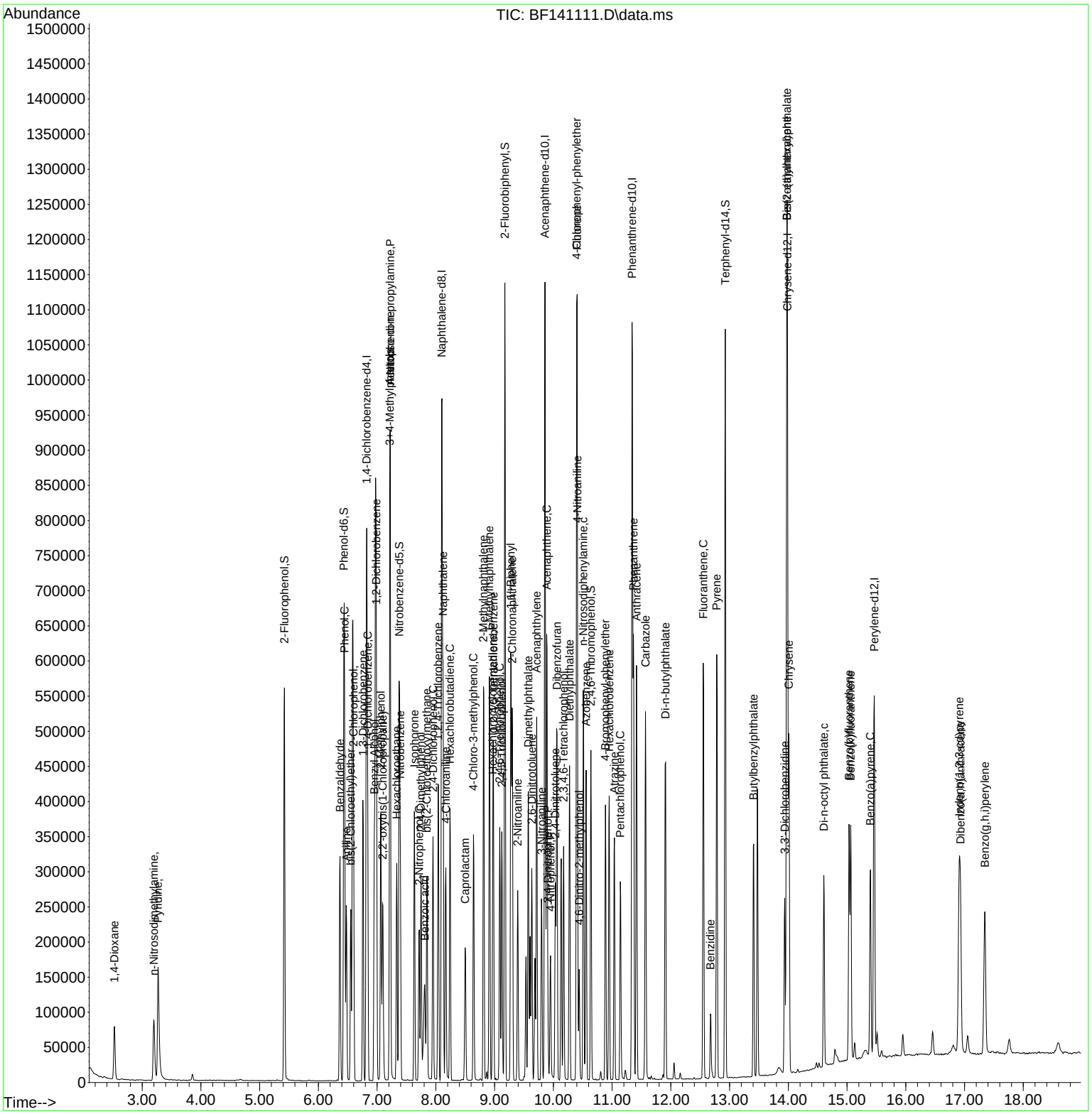
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.122 | 196 | 67822 | 10.258 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.275 | 154 | 270164 | 10.757 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.298 | 162 | 208316 | 10.649 | ng | | 99 |
| 48) 2-Nitroaniline | 9.392 | 65 | 57839 | 9.974 | ng | | 98 |
| 49) Acenaphthylene | 9.716 | 152 | 294365 | 10.532 | ng | | 99 |
| 50) Dimethylphthalate | 9.575 | 163 | 227434 | 10.475 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.634 | 165 | 51195 | 10.140 | ng | | 96 |
| 52) Acenaphthene | 9.886 | 154 | 204827 | 10.490 | ng | | 100 |
| 53) 3-Nitroaniline | 9.798 | 138 | 52358 | 10.205 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.904 | 184 | 15639 | 6.517 | ng | # | 1 |
| 55) Dibenzofuran | 10.063 | 168 | 280708 | 10.569 | ng | | 99 |
| 56) 4-Nitrophenol | 9.951 | 139 | 39013 | 9.709 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 10.034 | 165 | 64903 | 9.975 | ng | | 95 |
| 58) Fluorene | 10.404 | 166 | 226791 | 10.991 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.175 | 232 | 57812 | 10.519 | ng | | 97 |
| 60) Diethylphthalate | 10.275 | 149 | 225896 | 10.657 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.398 | 204 | 108674 | 10.806 | ng | | 100 |
| 62) 4-Nitroaniline | 10.410 | 138 | 50381 | 10.033 | ng | | 97 |
| 63) Azobenzene | 10.557 | 77 | 220351 | 10.536 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.439 | 198 | 26799 | 8.177 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 10.510 | 169 | 191433 | 10.494 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.886 | 248 | 67025 | 10.293 | ng | | 99 |
| 68) Hexachlorobenzene | 10.951 | 284 | 74450 | 10.271 | ng | | 99 |
| 69) Atrazine | 11.039 | 200 | 56963 | 11.597 | ng | | 99 |
| 70) Pentachlorophenol | 11.139 | 266 | 45847 | 9.877 | ng | | 98 |
| 71) Phenanthrene | 11.363 | 178 | 325737 | 10.728 | ng | | 98 |
| 72) Anthracene | 11.416 | 178 | 314077 | 10.638 | ng | | 99 |
| 73) Carbazole | 11.569 | 167 | 289945 | 10.710 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 332734 | 10.740 | ng | | 99 |
| 75) Fluoranthene | 12.551 | 202 | 335808 | 11.083 | ng | | 99 |
| 77) Benzidine | 12.675 | 184 | 53526 | 8.343 | ng | | 99 |
| 78) Pyrene | 12.780 | 202 | 341925 | 10.348 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 108714 | 9.868 | ng | | 97 |
| 81) Benzo(a)anthracene | 13.974 | 228 | 245554 | 10.430 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.939 | 252 | 72963 | 9.733 | ng | | 100 |
| 83) Chrysene | 14.010 | 228 | 227579 | 10.331 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149 | 132798 | 10.047 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.604 | 149 | 179782 | 9.007 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.910 | 276 | 212077 | 9.689 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.033 | 252 | 211401 | 10.973 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.063 | 252 | 164685 | 10.115 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.398 | 252 | 162844 | 10.245 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.933 | 278 | 176005 | 9.941 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.345 | 276 | 182406 | 9.905 | ng | | 99 |

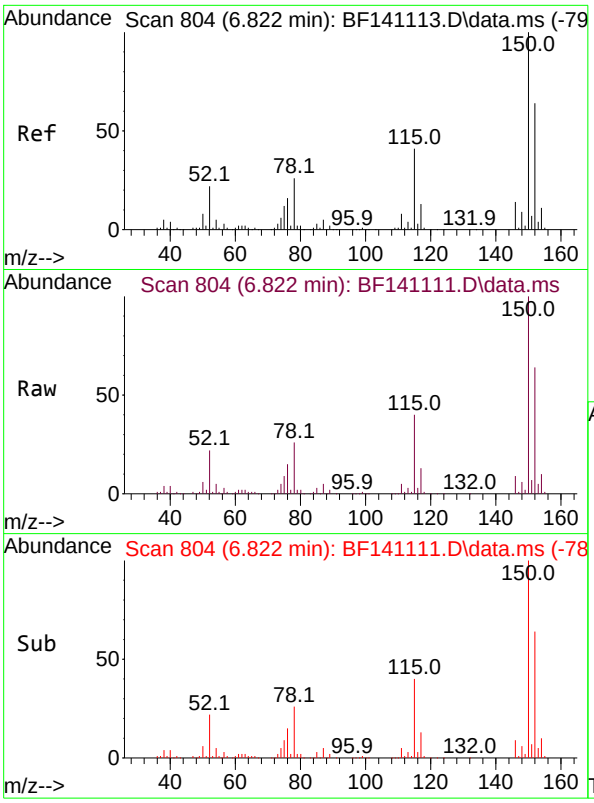
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141111.D
Acq On : 10 Jan 2025 13:17
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jan 10 22:18:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration



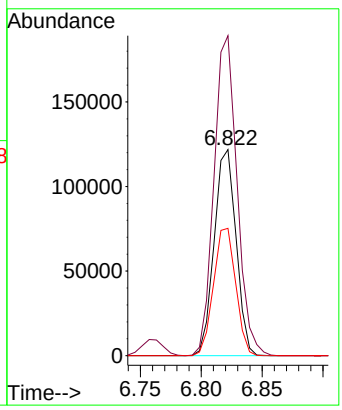


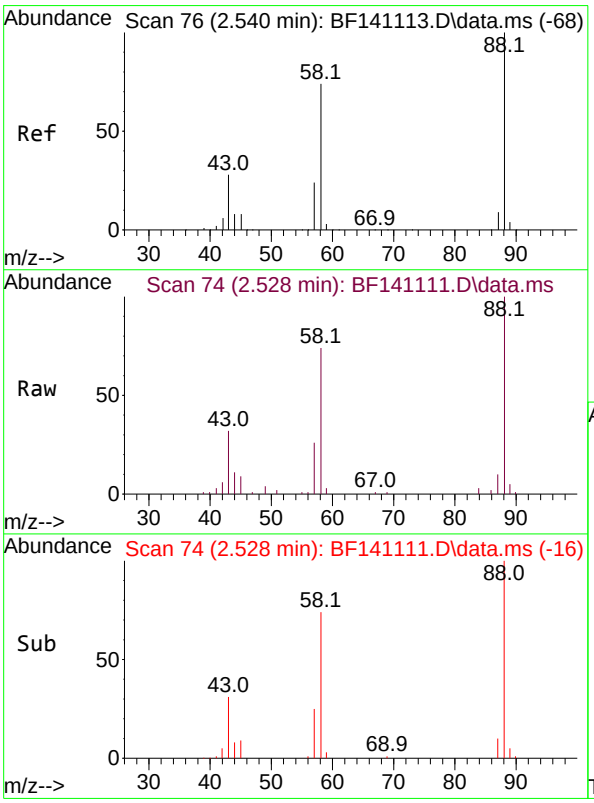

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:152 Resp: 152818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.3 | 125.8 | 188.8 |
| 115 | 61.8 | 51.4 | 77.2 |

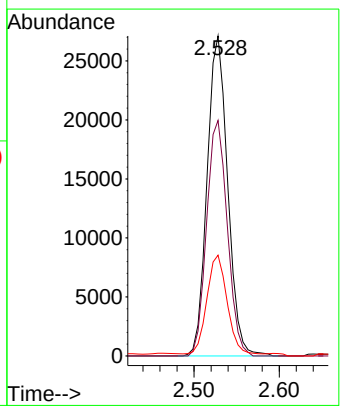


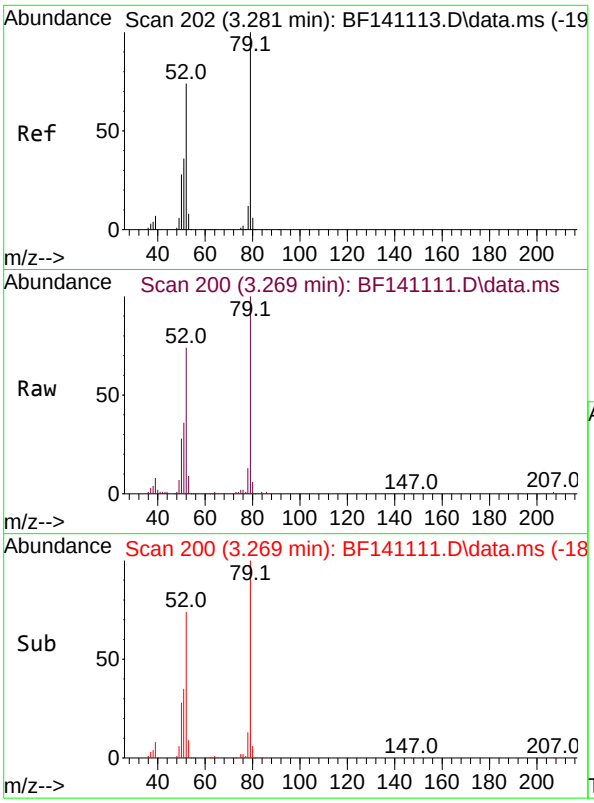




#2
1,4-Dioxane
Concen: 10.343 ng
RT: 2.528 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion: 88 Resp: 45563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 73.8 | 60.1 | 90.1 |
| 43 | 29.9 | 23.1 | 34.7 |



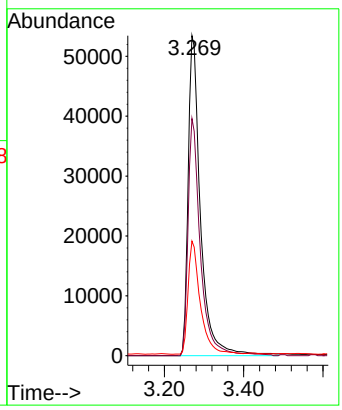


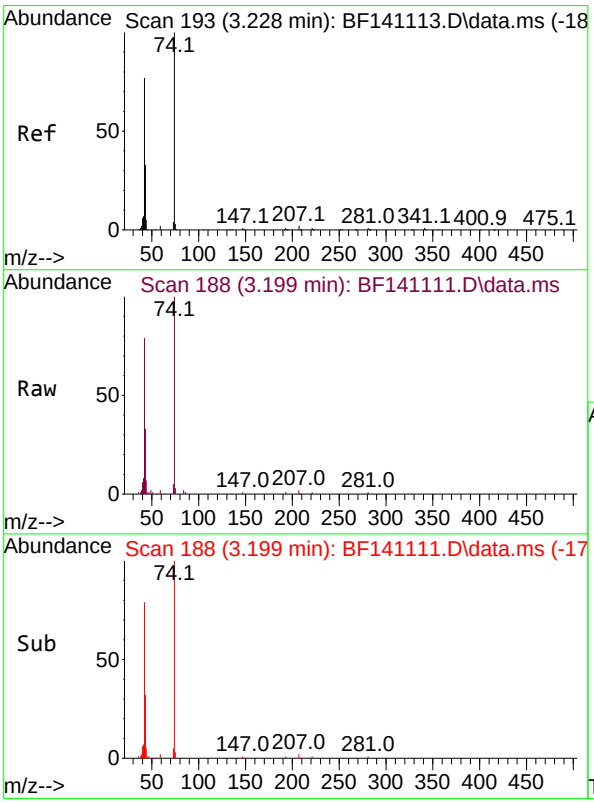

#3
Pyridine
Concen: 10.751 ng
RT: 3.269 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion: 79 Resp: 116138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 74.1 | 58.9 | 88.3 |
| 51 | 35.8 | 29.1 | 43.7 |

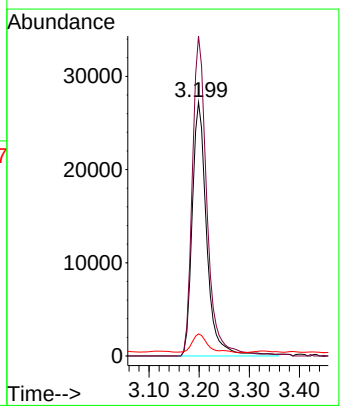


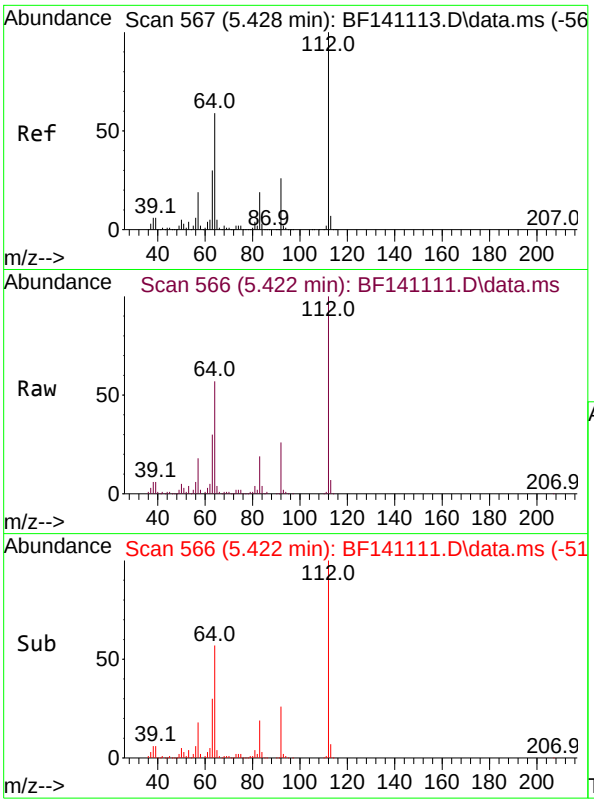




#4
n-Nitrosodimethylamine
Concen: 10.348 ng
RT: 3.199 min Scan# 188
Delta R.T. -0.029 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion: 42 Resp: 54661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 126.1 | 103.8 | 155.6 |
| 44 | 8.7 | 5.3 | 7.9# |



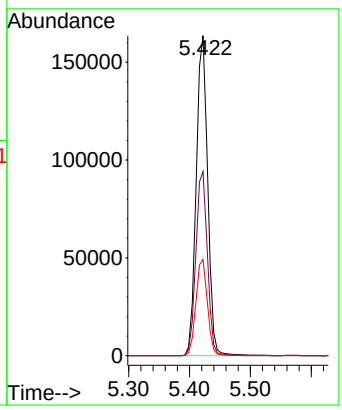


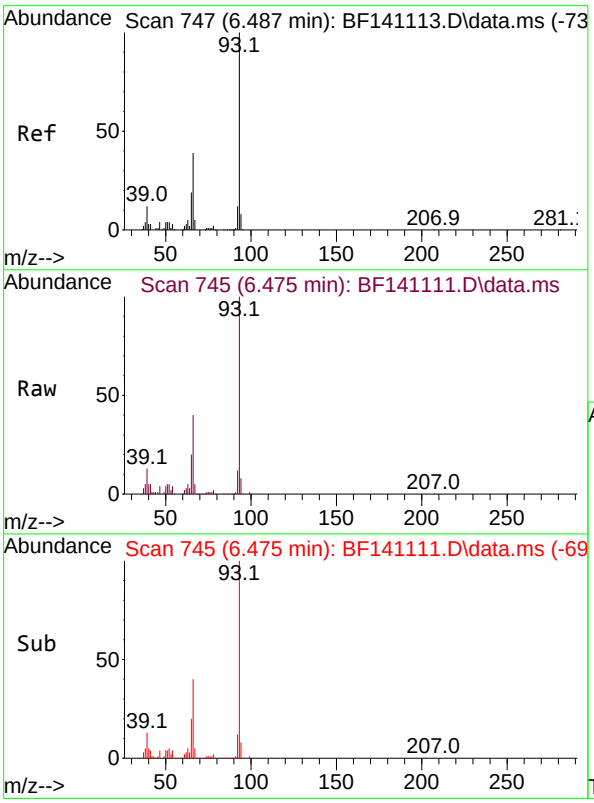

#5
2-Fluorophenol
Concen: 21.626 ng
RT: 5.422 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:112 Resp: 213934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.5 | 47.3 | 70.9 |
| 63 | 30.0 | 24.2 | 36.2 |

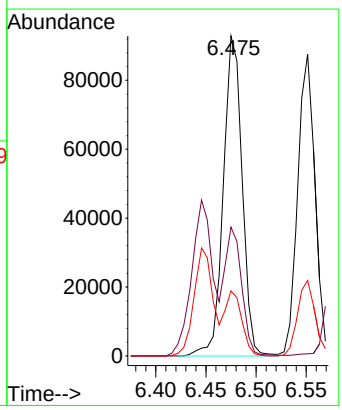


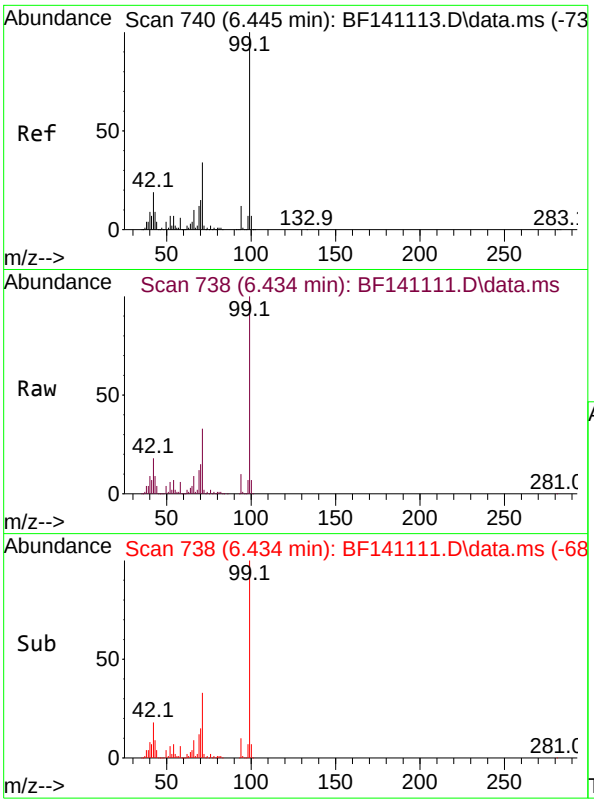




#6
Aniline
Concen: 10.874 ng
RT: 6.475 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion: 93 Resp: 120980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.2 | 31.5 | 47.3 |
| 65 | 20.4 | 15.3 | 22.9 |



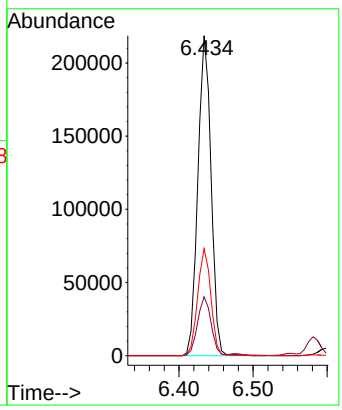


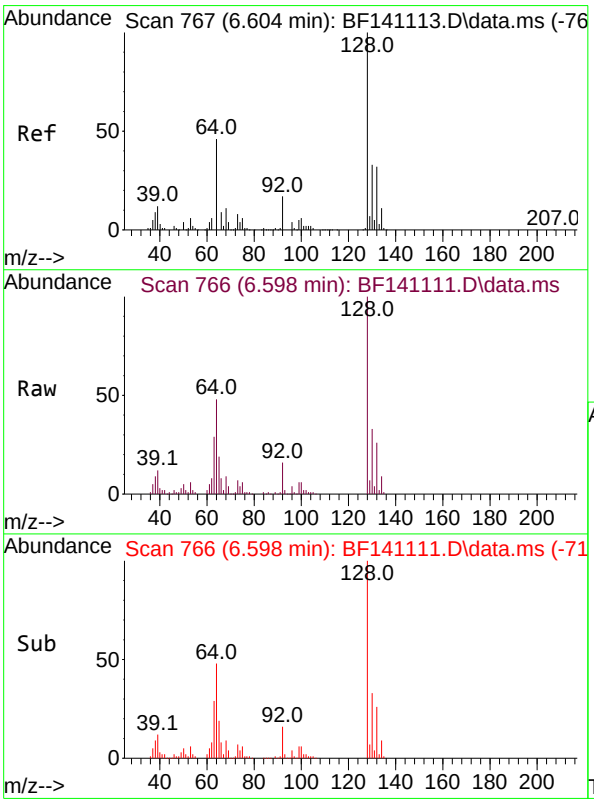

#7
Phenol-d6
Concen: 21.628 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion: 99 Resp: 271016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.4 | 15.0 | 22.4 |
| 71 | 33.5 | 27.6 | 41.4 |

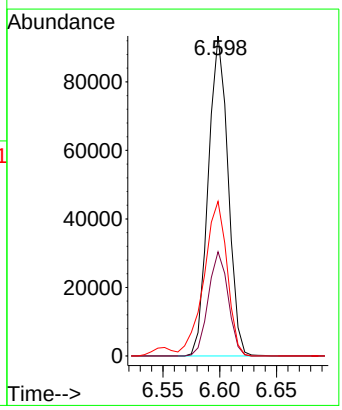


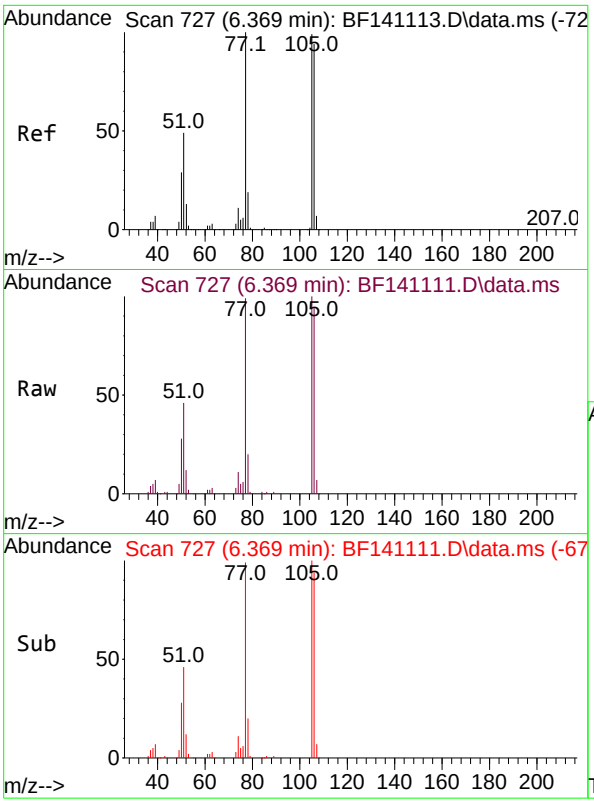




#8
2-Chlorophenol
Concen: 10.624 ng
RT: 6.598 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:128 Resp: 112757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.5 | 12.5 | 52.5 |
| 64 | 48.3 | 28.3 | 68.3 |



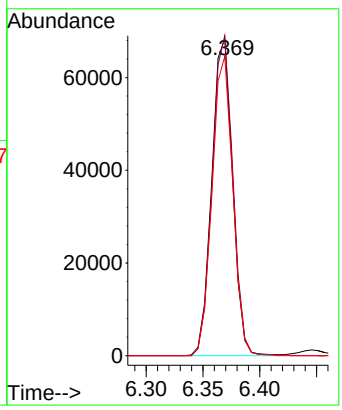


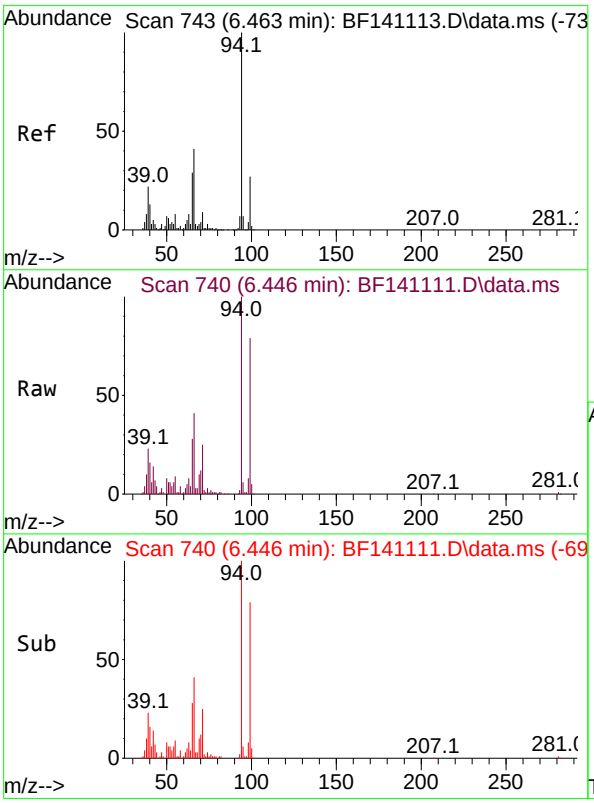

#9
Benzaldehyde
Concen: 12.433 ng
RT: 6.369 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion: 77 Resp: 87029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 100.9 | 78.9 | 118.9 |
| 106 | 94.4 | 73.6 | 113.6 |

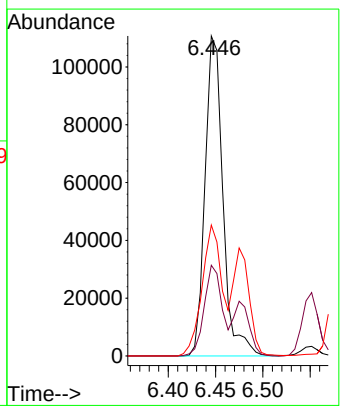


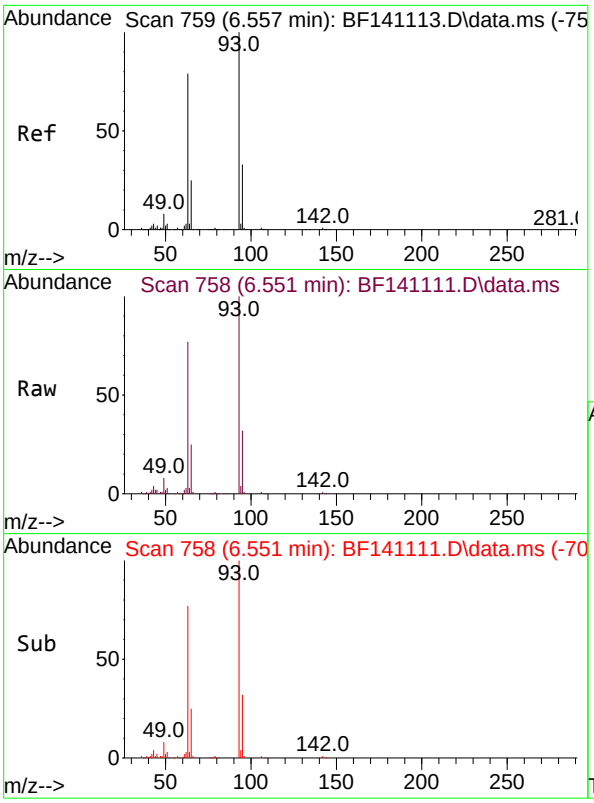




#10
Phenol
Concen: 10.837 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.018 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion: 94 Resp: 145362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.3 | 8.9 | 48.9 |
| 66 | 40.9 | 21.2 | 61.2 |



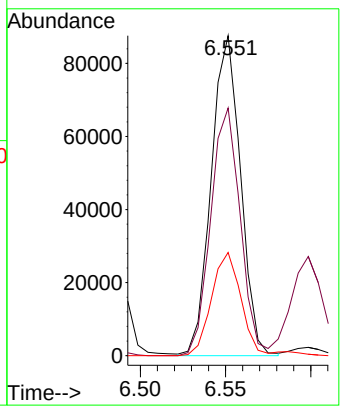


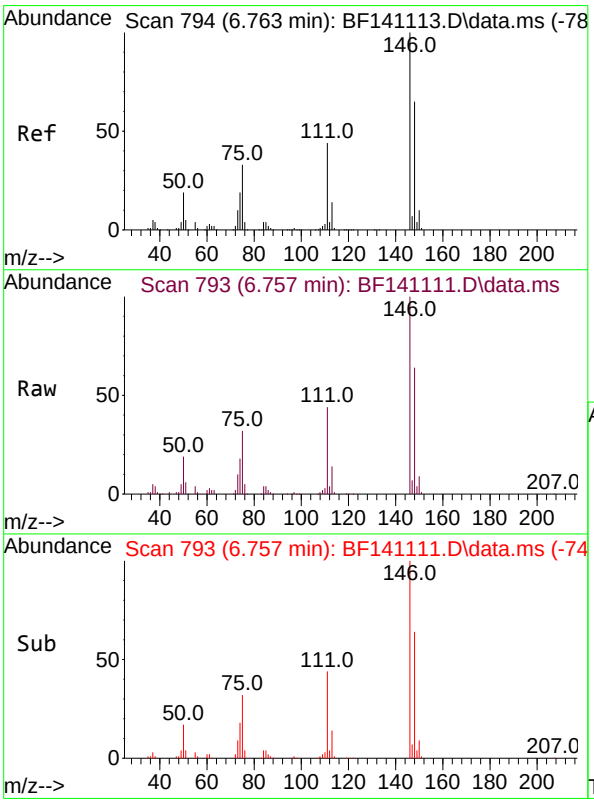

#11
bis(2-Chloroethyl)ether
Concen: 10.487 ng
RT: 6.551 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion: 93 Resp: 104839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 77.4 | 58.0 | 98.0 |
| 95 | 32.2 | 12.5 | 52.5 |

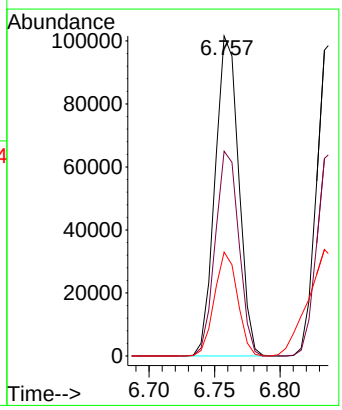


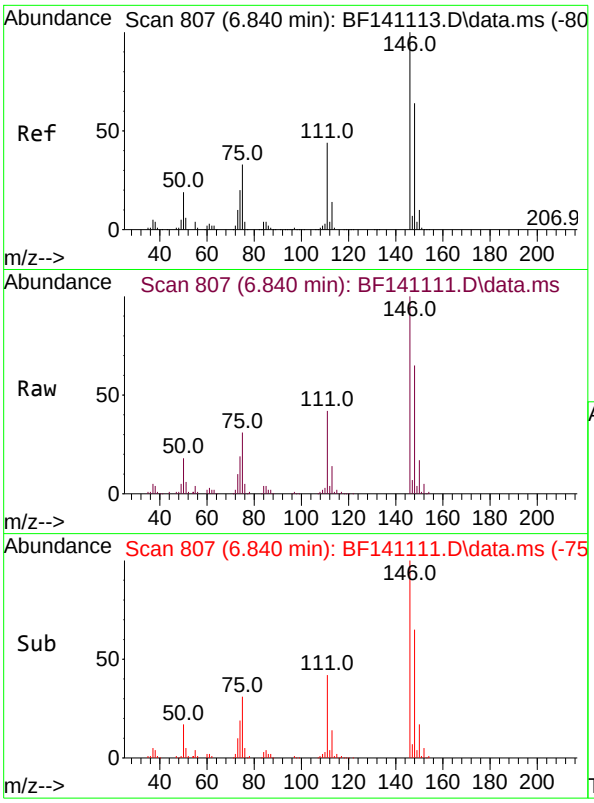




#12
1,3-Dichlorobenzene
Concen: 10.729 ng
RT: 6.757 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:146 Resp: 127000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.6 | 77.4 |
| 75 | 32.5 | 26.2 | 39.2 |



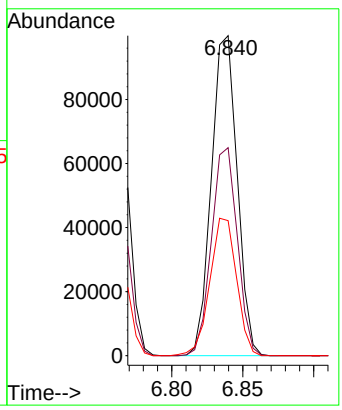


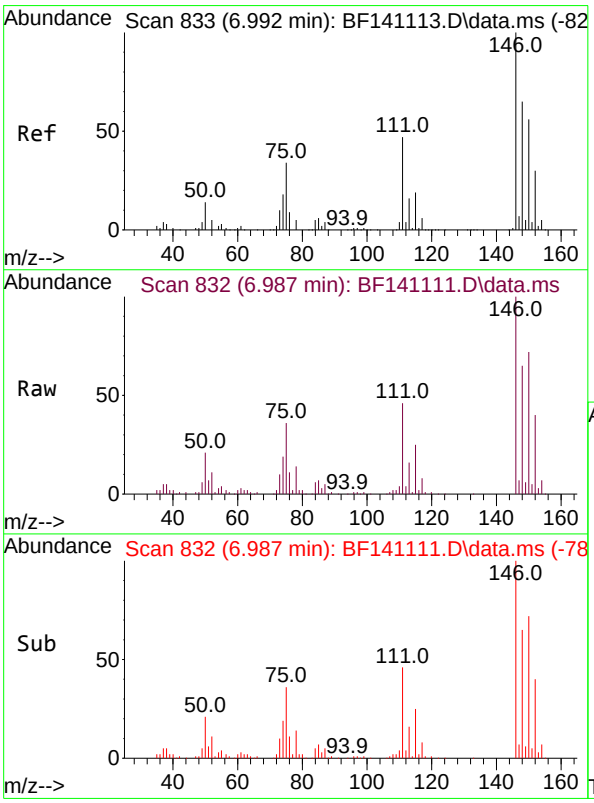

#13
1,4-Dichlorobenzene
Concen: 10.588 ng
RT: 6.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:146 Resp: 126297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.0 | 51.0 | 76.6 |
| 111 | 42.2 | 34.9 | 52.3 |

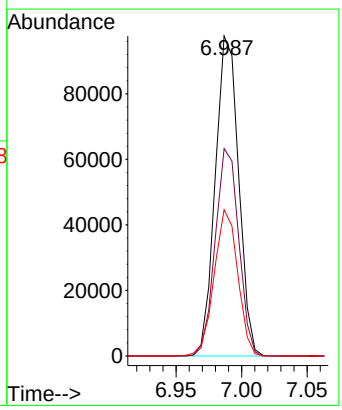


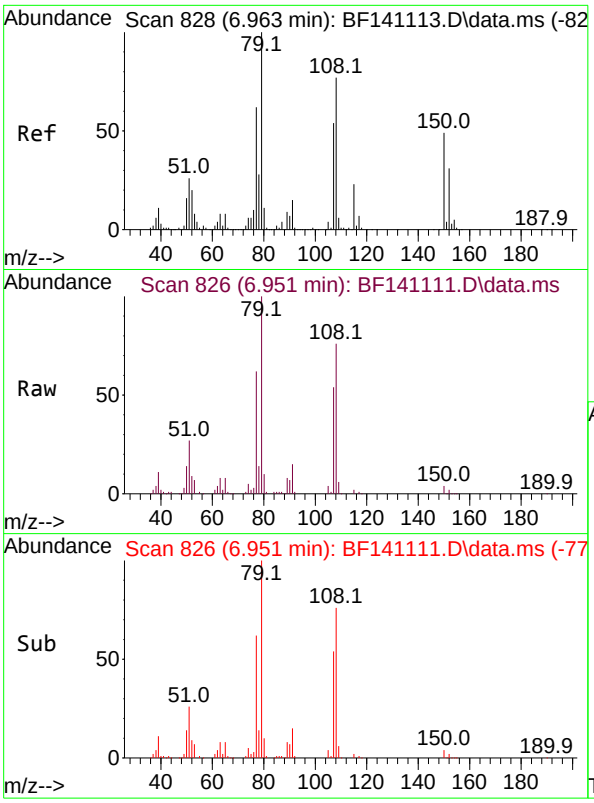




#14
1,2-Dichlorobenzene
Concen: 10.844 ng
RT: 6.987 min Scan# 832
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:146 Resp: 120656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 52.2 | 78.4 |
| 111 | 45.7 | 37.5 | 56.3 |



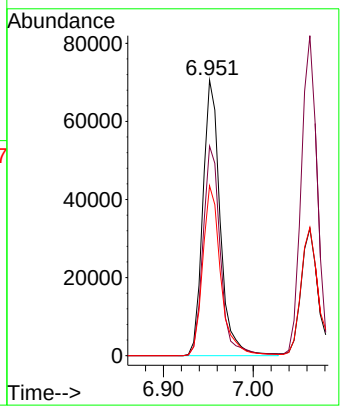


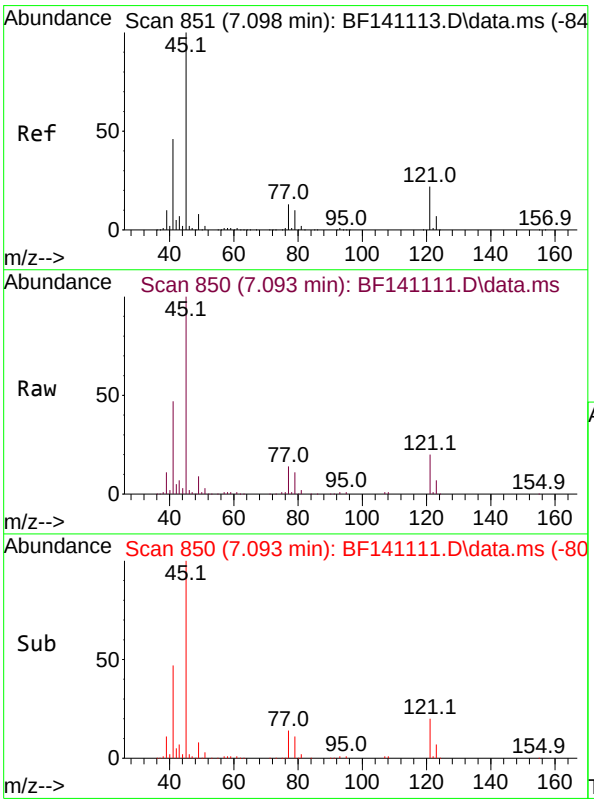

#15
Benzyl Alcohol
Concen: 10.469 ng
RT: 6.951 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion: 79 Resp: 94737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.1 | 61.4 | 92.0 |
| 77 | 61.7 | 49.8 | 74.6 |

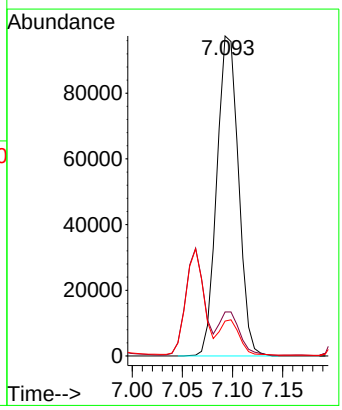


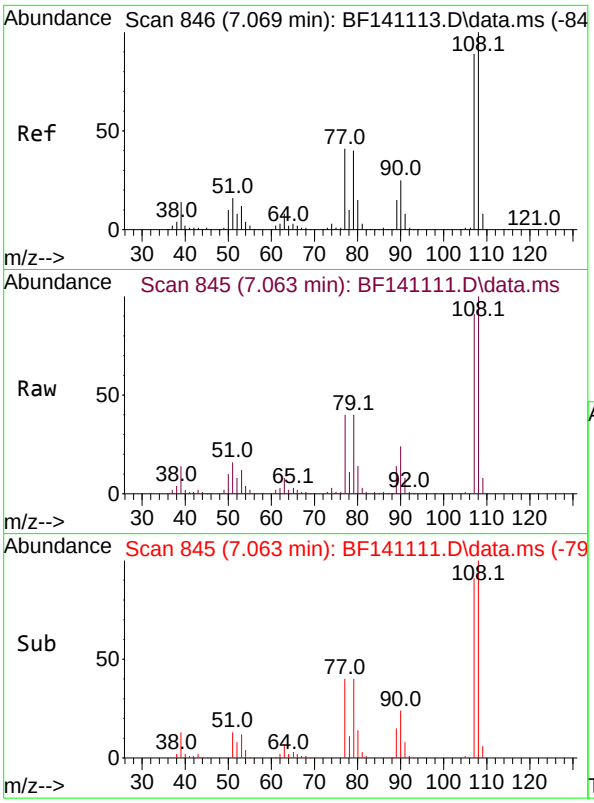




#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.476 ng
RT: 7.093 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion: 45 Resp: 146135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.8 | 0.0 | 34.1 |
| 79 | 10.9 | 0.0 | 31.0 |



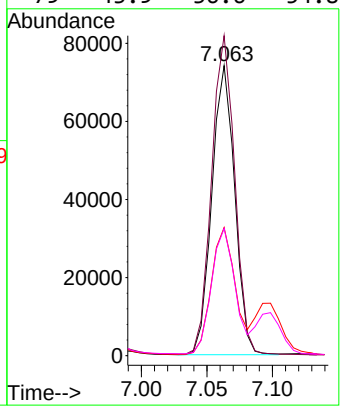


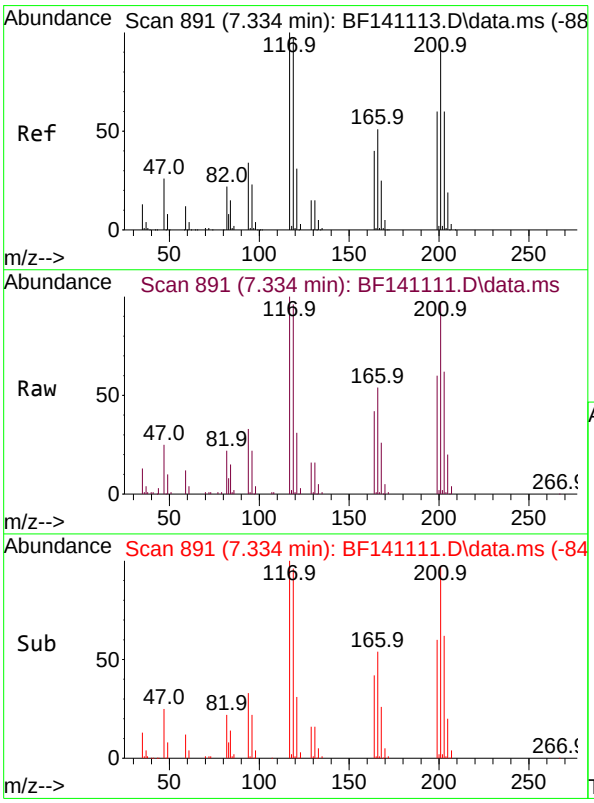

#17
2-Methylphenol
Concen: 10.478 ng
RT: 7.063 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:107 Resp: 89782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 110.3 | 90.1 | 135.1 |
| 77 | 44.2 | 36.6 | 55.0 |
| 79 | 43.9 | 36.6 | 54.8 |

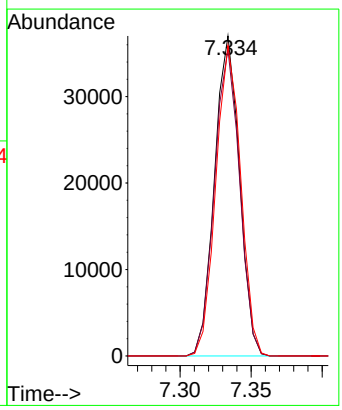


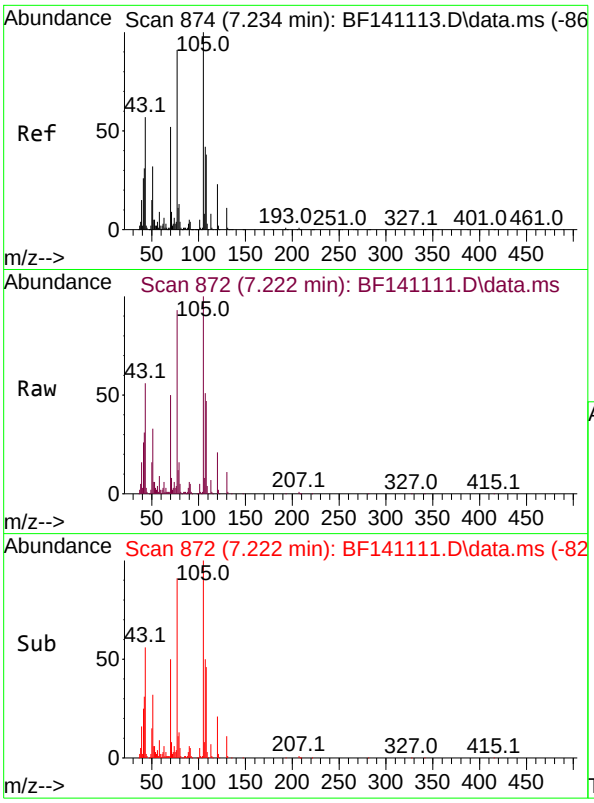




#18
Hexachloroethane
Concen: 10.461 ng
RT: 7.334 min Scan# 891
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:117 Resp: 45125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.9 | 77.6 | 116.4 |
| 201 | 97.0 | 75.1 | 112.7 |



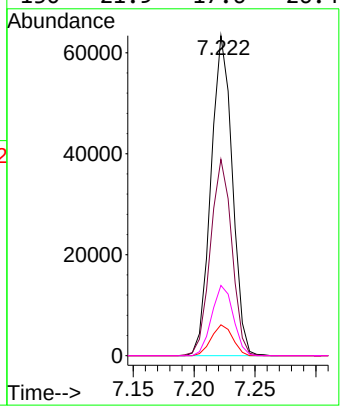


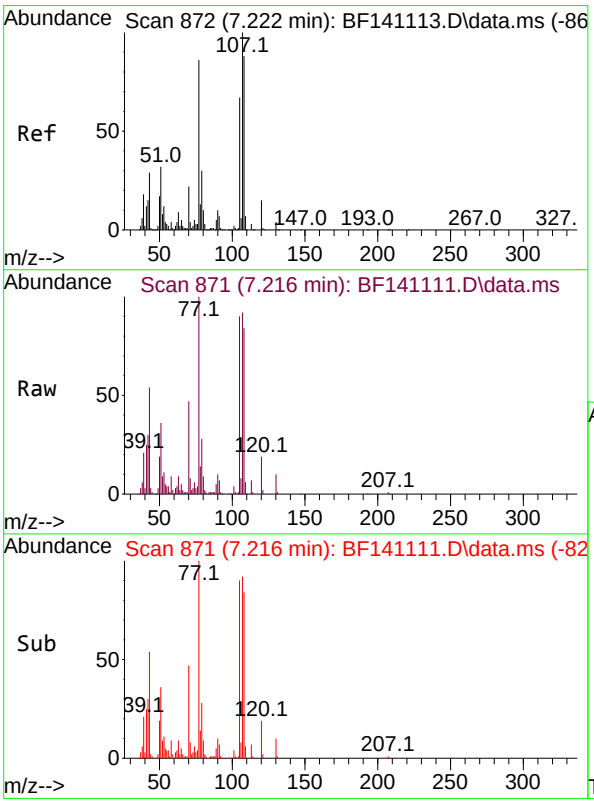

#19
n-Nitroso-di-n-propylamine
Concen: 10.468 ng
RT: 7.222 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion: 70 Resp: 77270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 61.4 | 47.8 | 71.6 |
| 101 | 9.6 | 7.9 | 11.9 |
| 130 | 21.9 | 17.6 | 26.4 |

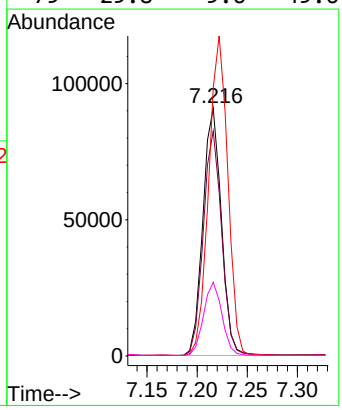


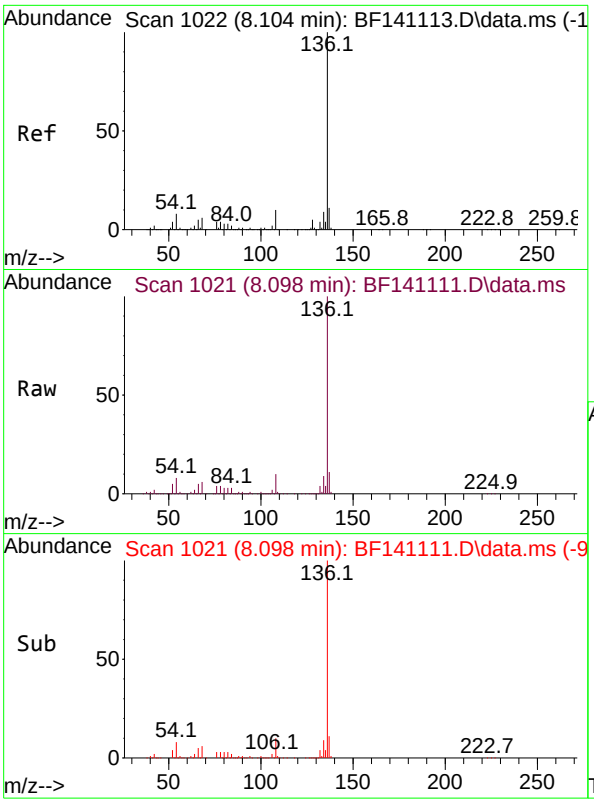




#20
3+4-Methylphenols
Concen: 10.809 ng
RT: 7.216 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:107 Resp: 116842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.8 | 68.3 | 108.3 |
| 77 | 108.2 | 66.4 | 106.4# |
| 79 | 29.8 | 9.6 | 49.6 |



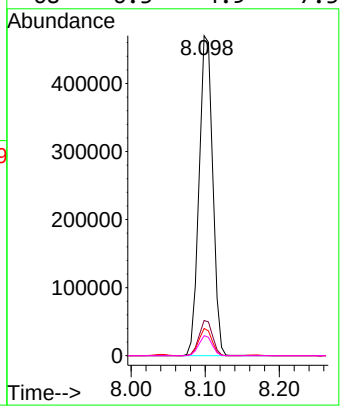


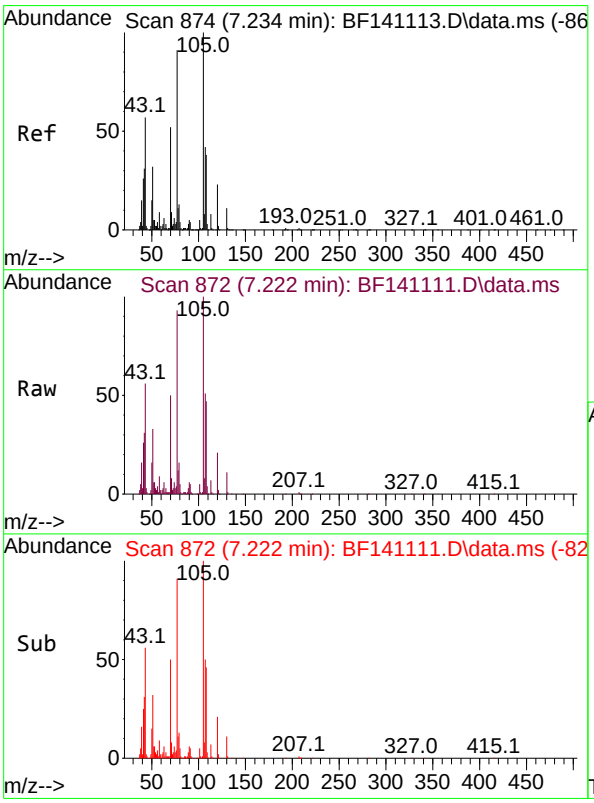

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:136 Resp: 604478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 8.5 | 6.3 | 9.5 |
| 68 | 6.3 | 4.9 | 7.3 |

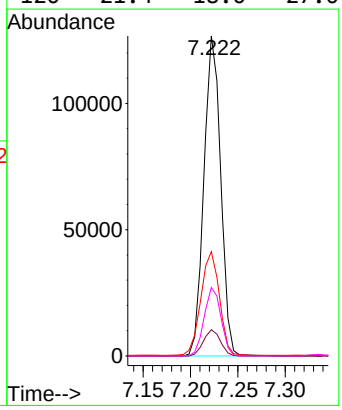


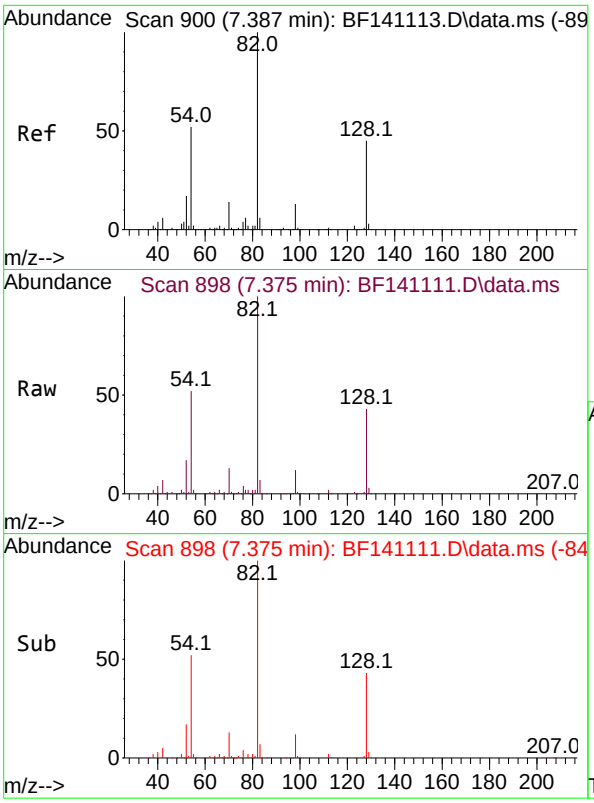




#22
Acetophenone
Concen: 10.851 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:105 Resp: 155933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.2 | 7.1 | 10.7 |
| 51 | 32.6 | 25.4 | 38.2 |
| 120 | 21.4 | 18.0 | 27.0 |



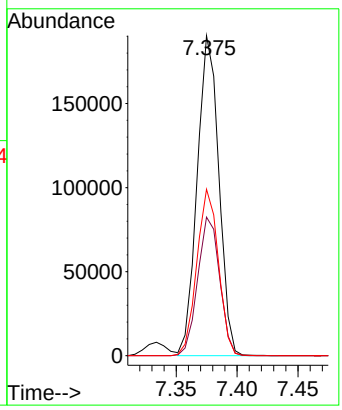


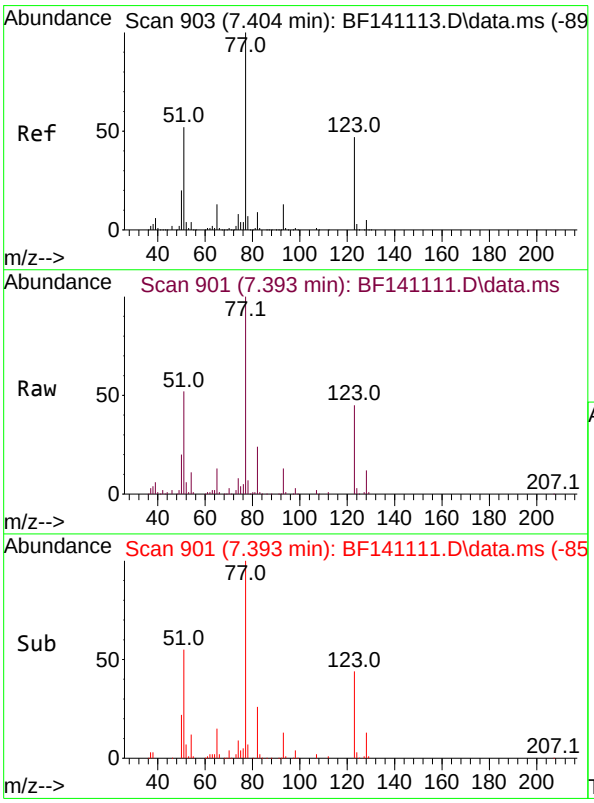

#23
Nitrobenzene-d5
Concen: 20.662 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion: 82 Resp: 235613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.3 | 36.1 | 54.1 |
| 54 | 52.0 | 41.0 | 61.4 |

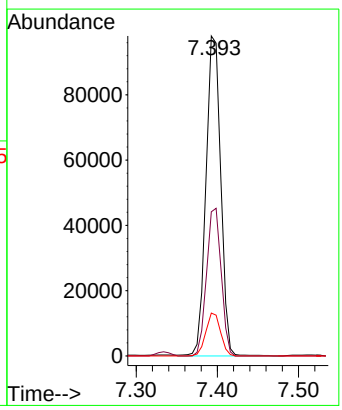


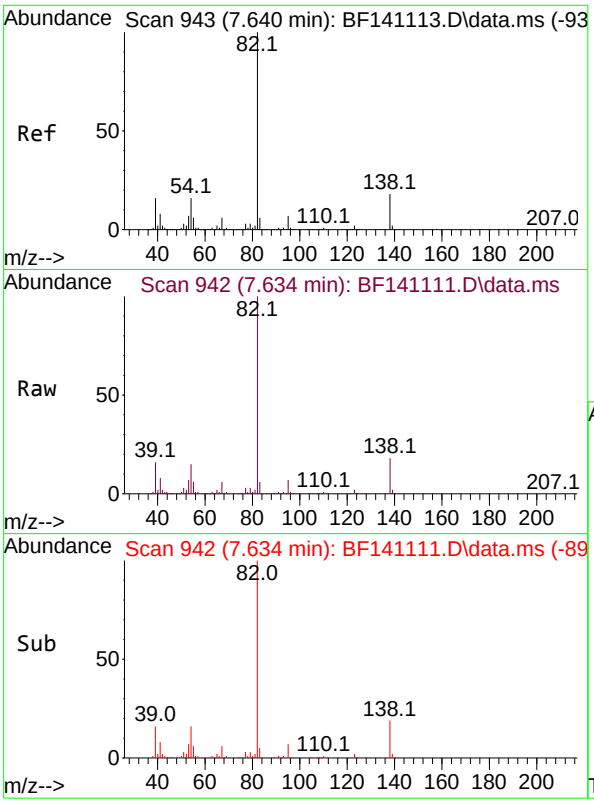




#24
Nitrobenzene
Concen: 10.428 ng
RT: 7.393 min Scan# 901
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion: 77 Resp: 123929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 45.1 | 37.7 | 56.5 |
| 65 | 13.4 | 10.6 | 16.0 |



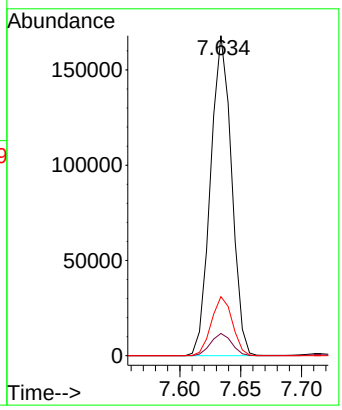


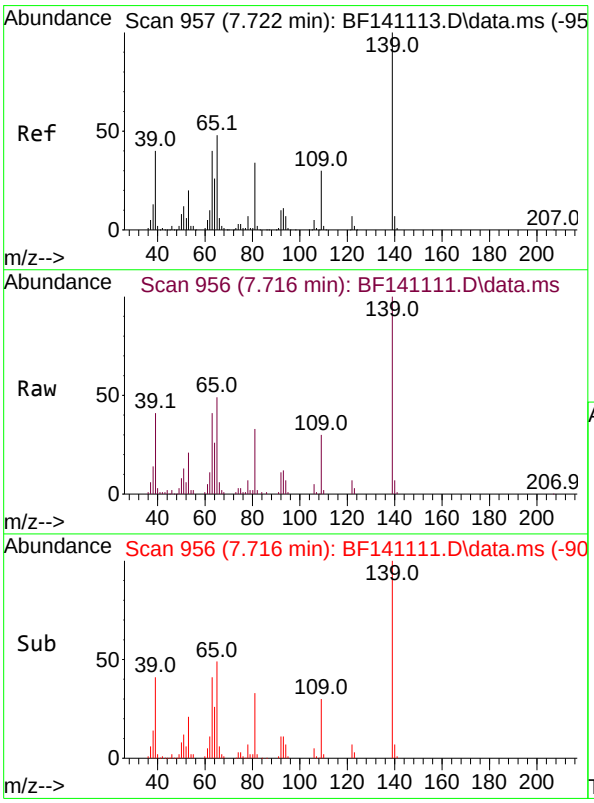

#25
Isophorone
Concen: 10.363 ng
RT: 7.634 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion: 82 Resp: 201958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.9 | 5.9 | 8.9 |
| 138 | 18.4 | 14.2 | 21.2 |

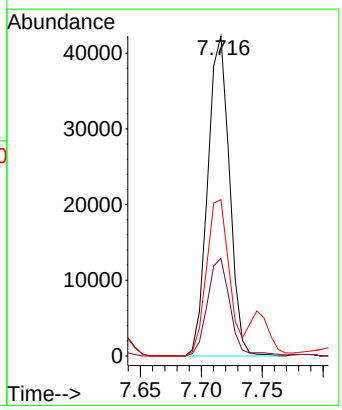


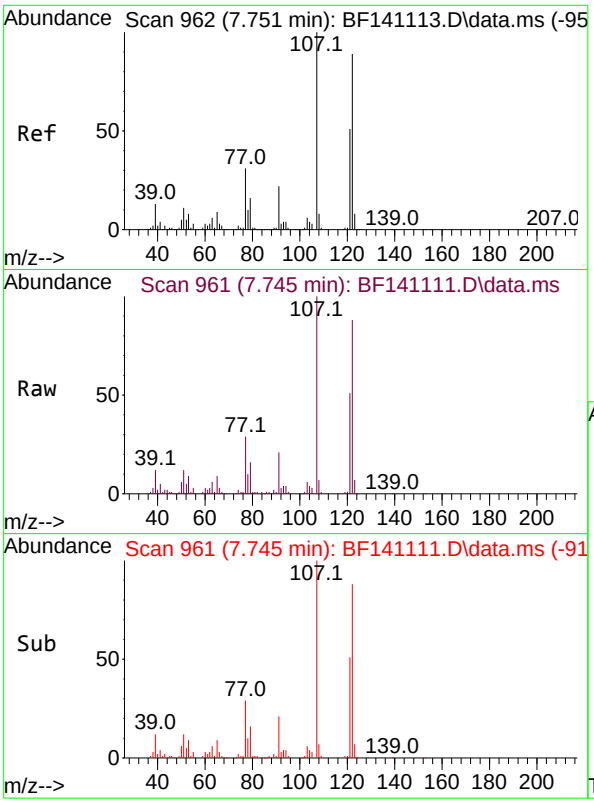




#26
2-Nitrophenol
Concen: 9.698 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:139 Resp: 52430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.5 | 23.8 | 35.6 |
| 65 | 48.8 | 38.5 | 57.7 |



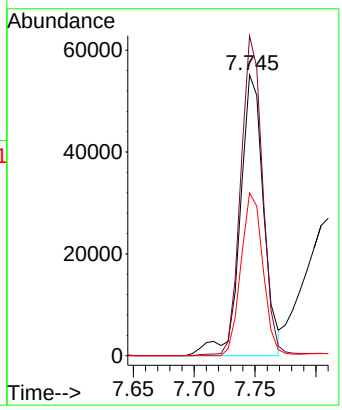


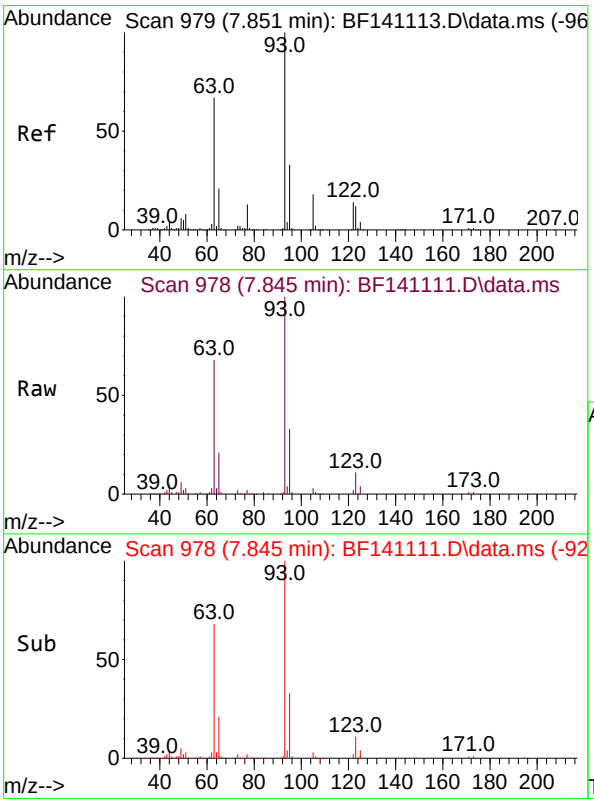

#27
2,4-Dimethylphenol
Concen: 10.123 ng
RT: 7.745 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:122 Resp: 73818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.0 | 90.3 | 135.5 |
| 121 | 58.0 | 46.5 | 69.7 |

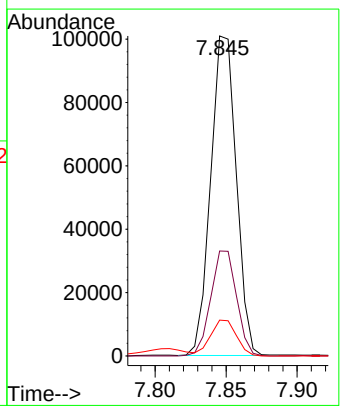


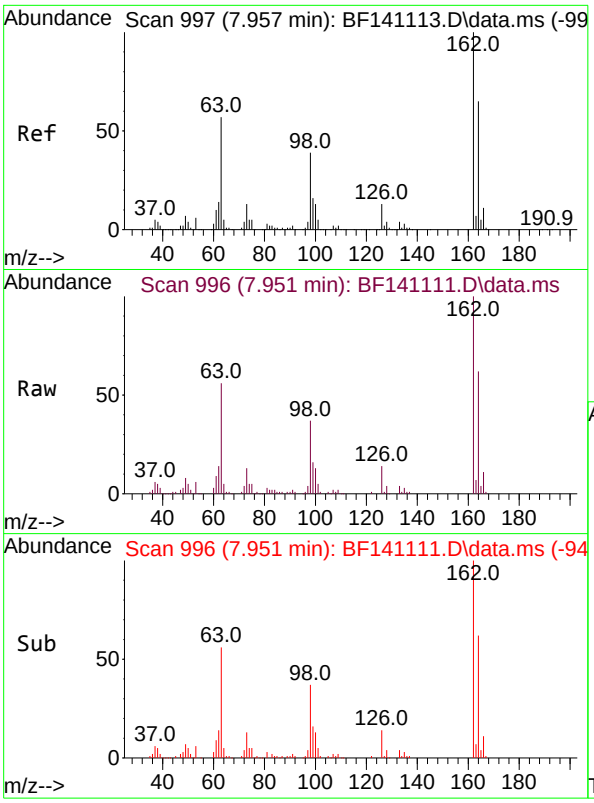




#28
bis(2-Chloroethoxy)methane
Concen: 10.342 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion: 93 Resp: 126489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.8 | 26.2 | 39.4 |
| 123 | 11.2 | 10.1 | 15.1 |



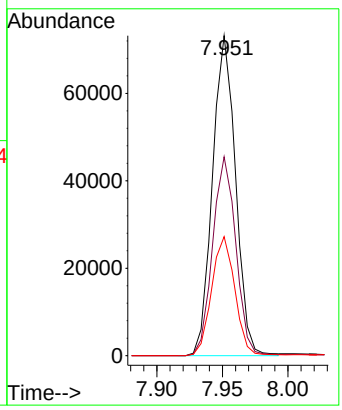


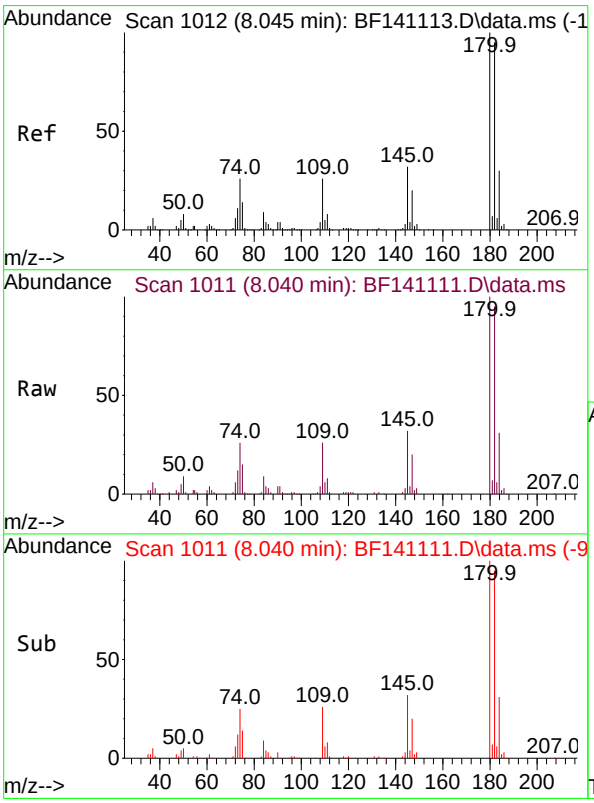

#29
2,4-Dichlorophenol
Concen: 10.341 ng
RT: 7.951 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:162 Resp: 89559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 62.2 | 44.5 | 84.5 |
| 98 | 37.2 | 18.5 | 58.5 |

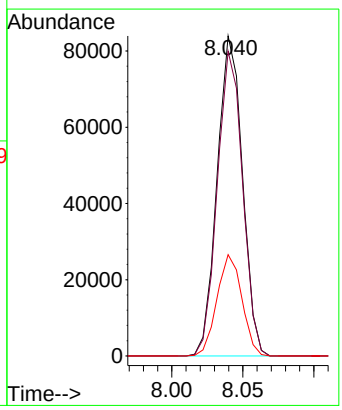


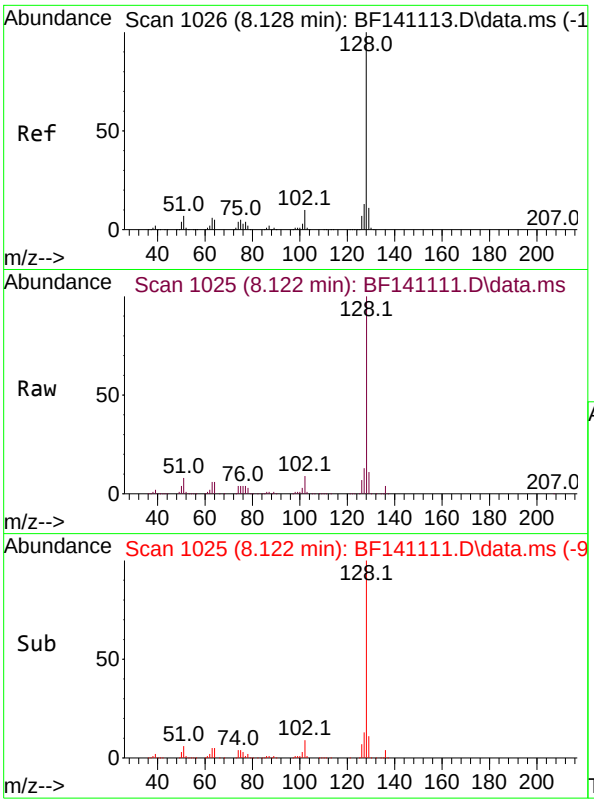




#30
1,2,4-Trichlorobenzene
Concen: 10.490 ng
RT: 8.040 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:180 Resp: 103848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 76.2 | 114.2 |
| 145 | 31.7 | 25.3 | 37.9 |



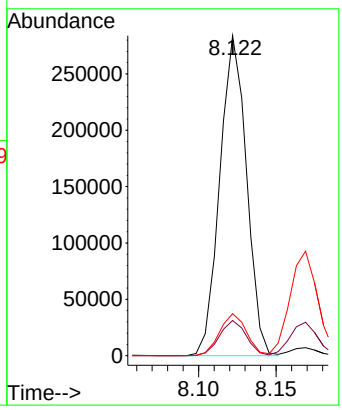


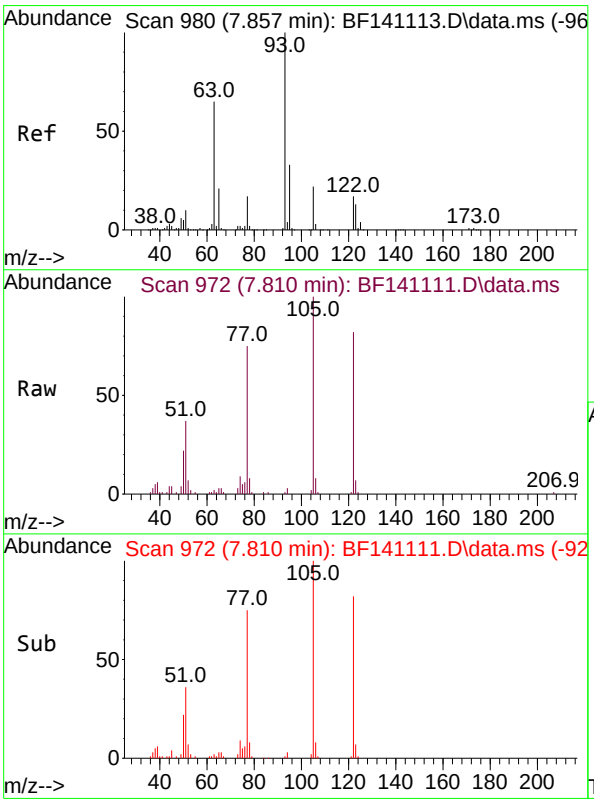

#31
Naphthalene
Concen: 10.675 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:128 Resp: 340302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 9.0 | 13.6 |
| 127 | 13.1 | 10.8 | 16.2 |

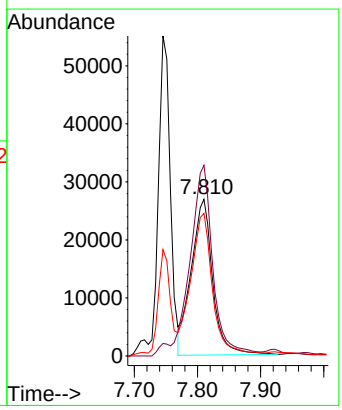


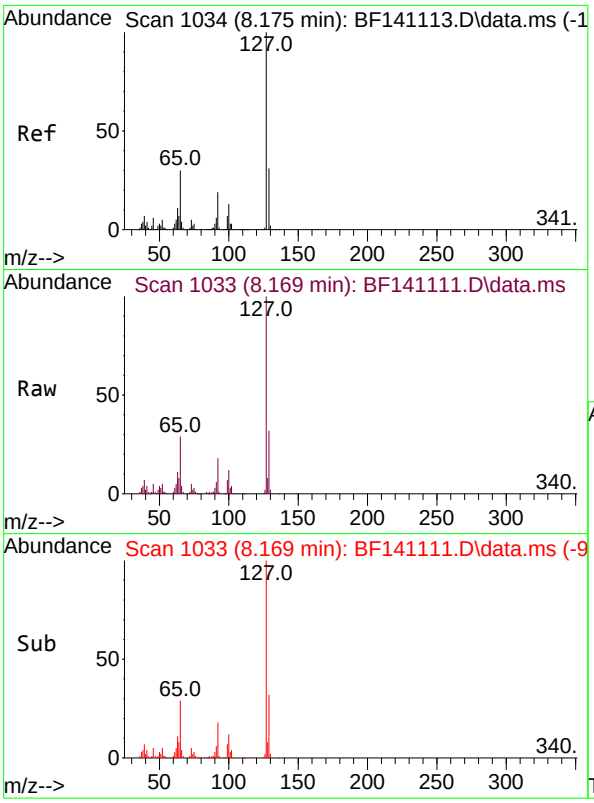




#32
Benzoic acid
Concen: 9.119 ng
RT: 7.810 min Scan# 972
Delta R.T. -0.047 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:122 Resp: 63791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 121.7 | 105.5 | 145.5 |
| 77 | 91.0 | 75.1 | 115.1 |



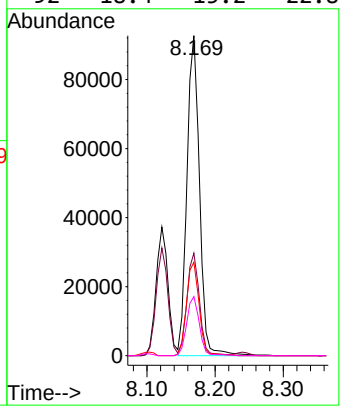


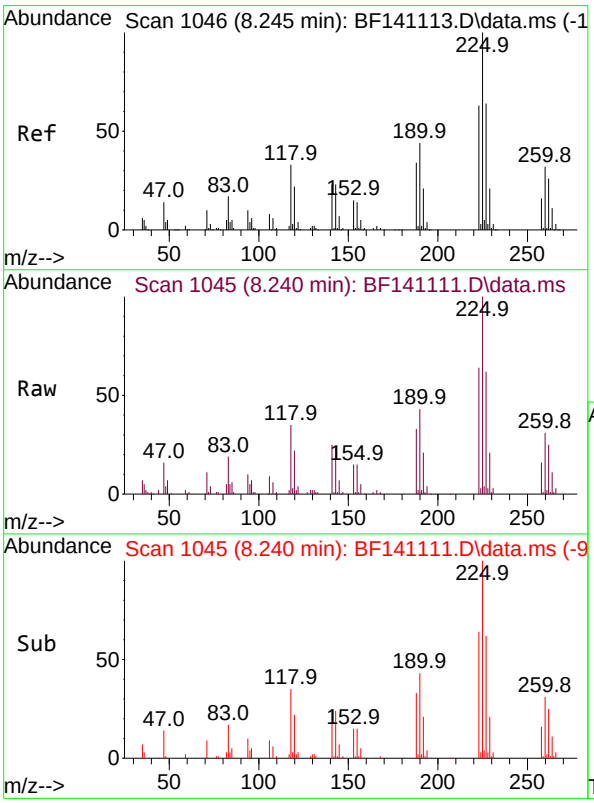

#33
4-Chloroaniline
Concen: 10.679 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:127 Resp: 117726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.1 | 25.9 | 38.9 |
| 65 | 29.2 | 23.8 | 35.8 |
| 92 | 18.4 | 15.2 | 22.8 |

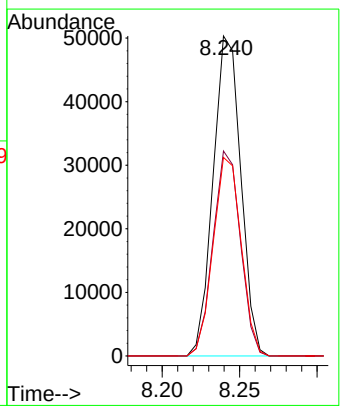


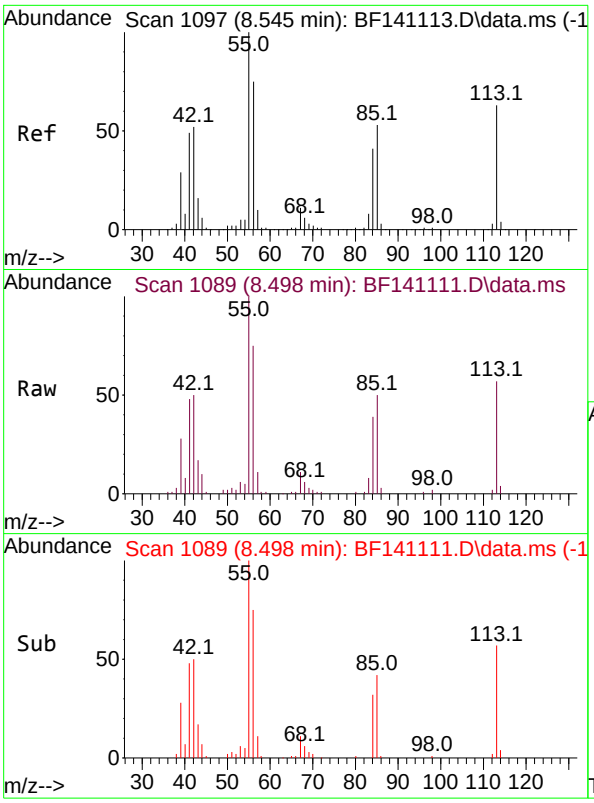




#34
Hexachlorobutadiene
Concen: 10.496 ng
RT: 8.240 min Scan# 1045
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:225 Resp: 62610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.0 | 50.6 | 76.0 |
| 227 | 62.0 | 51.6 | 77.4 |



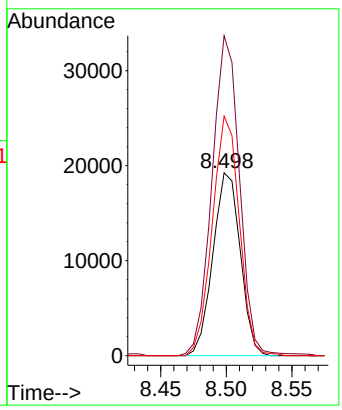


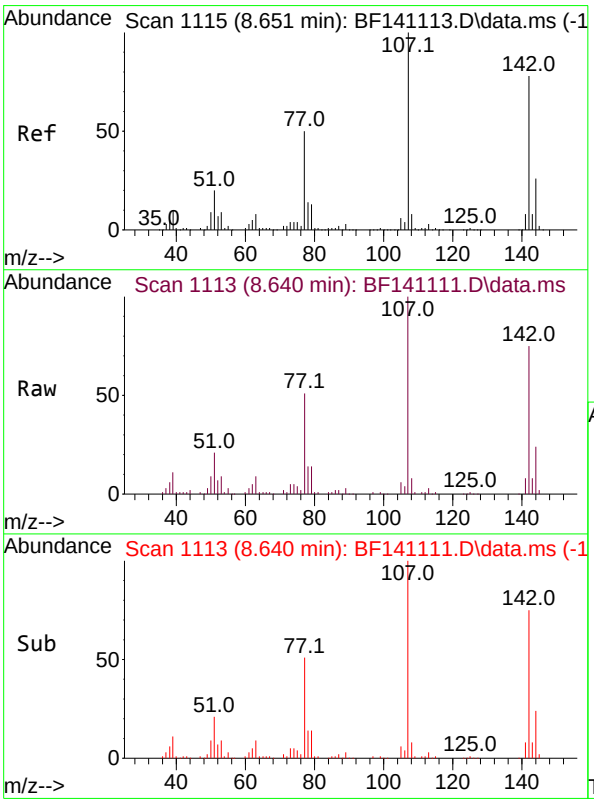

#35
Caprolactam
Concen: 9.814 ng
RT: 8.498 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:113 Resp: 27881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 175.0 | 139.7 | 179.7 |
| 56 | 131.0 | 99.4 | 139.4 |

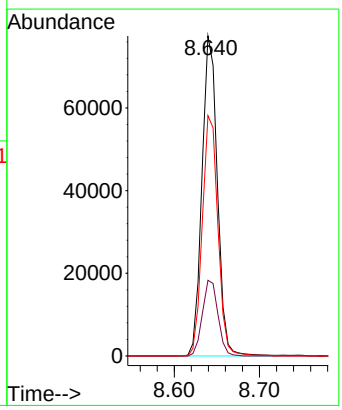


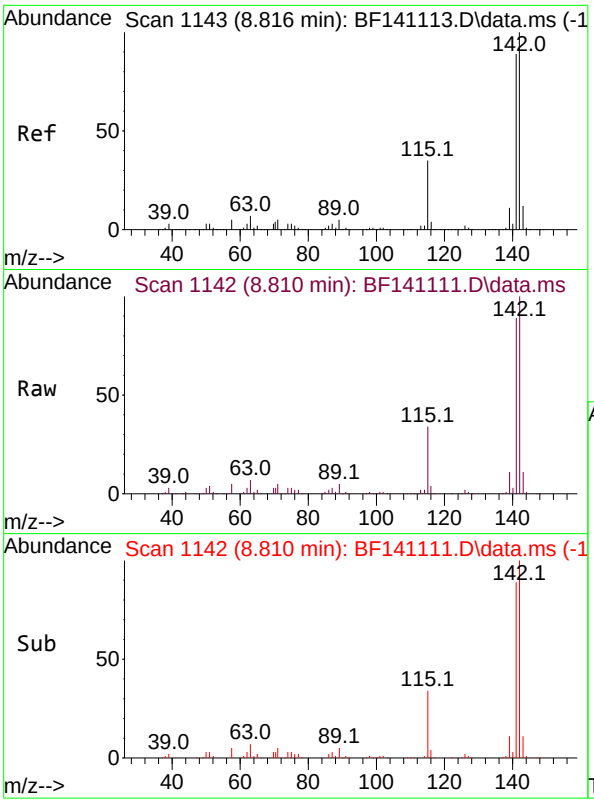




#36
4-Chloro-3-methylphenol
Concen: 10.268 ng
RT: 8.640 min Scan# 1113
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:107 Resp: 97256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 23.6 | 20.4 | 30.6 |
| 142 | 75.1 | 62.2 | 93.2 |



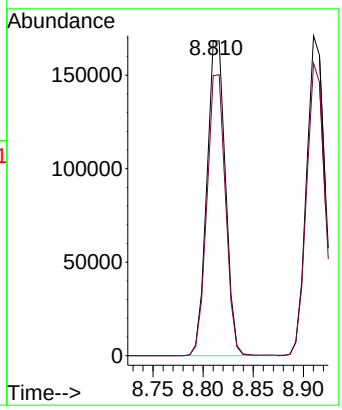


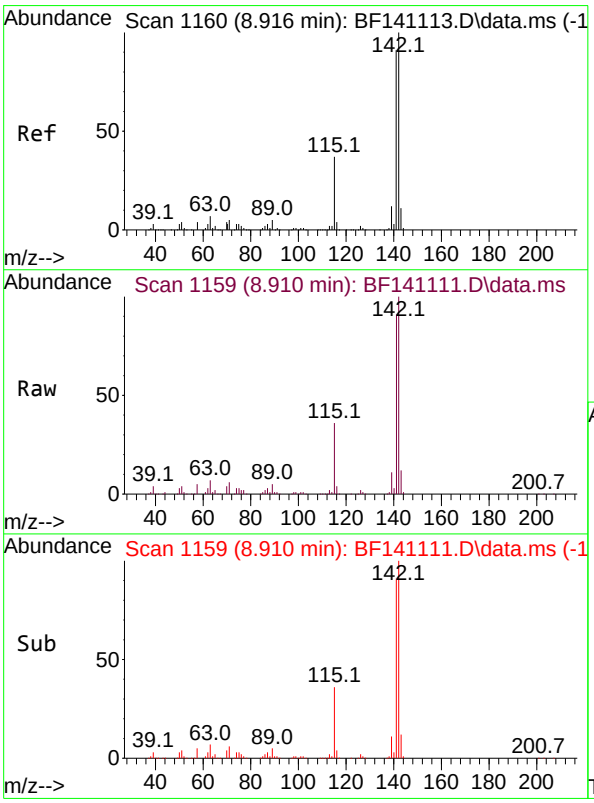

#37
2-Methylnaphthalene
Concen: 10.704 ng
RT: 8.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:142 Resp: 217446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.0 | 71.3 | 106.9 |

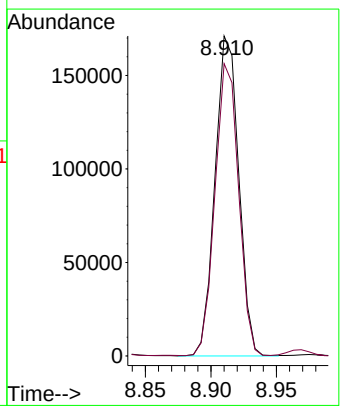


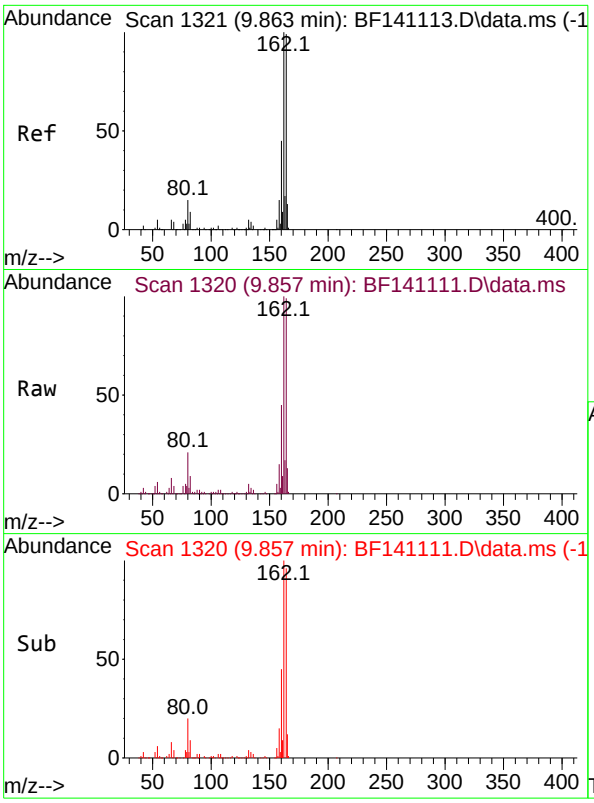




#38
1-Methylnaphthalene
Concen: 10.747 ng
RT: 8.910 min Scan# 1159
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:142 Resp: 215158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.4 | 73.1 | 109.7 |



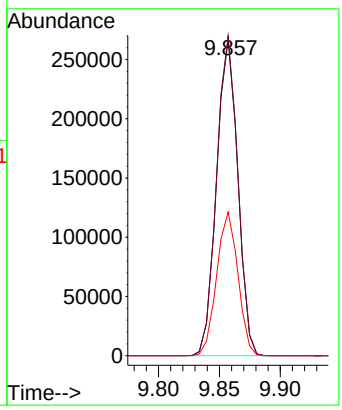


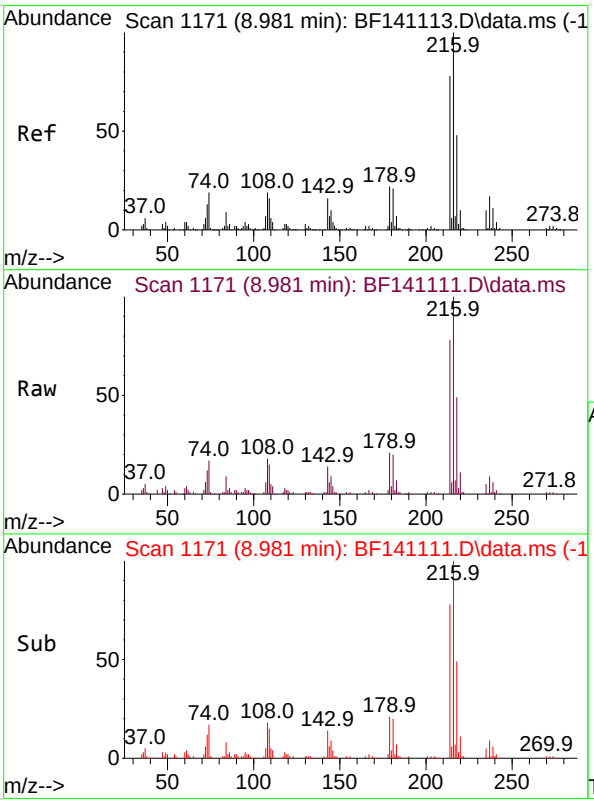

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:164 Resp: 323407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.2 | 81.0 | 121.4 |
| 160 | 45.5 | 36.1 | 54.1 |

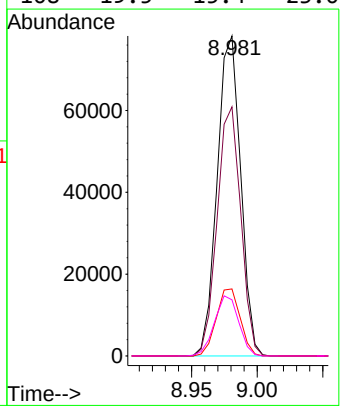


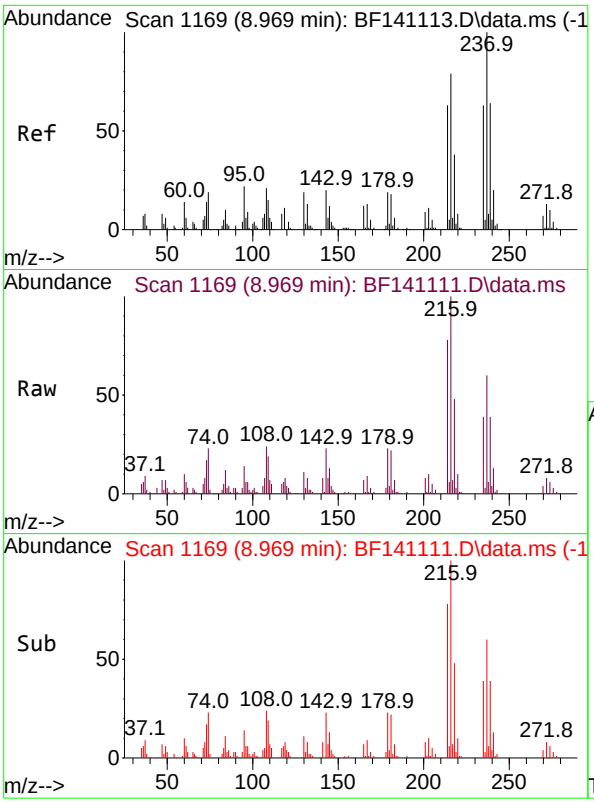




#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.477 ng
RT: 8.981 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:216 Resp: 97255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.3 | 62.6 | 94.0 |
| 179 | 21.4 | 17.7 | 26.5 |
| 108 | 19.5 | 15.4 | 23.0 |



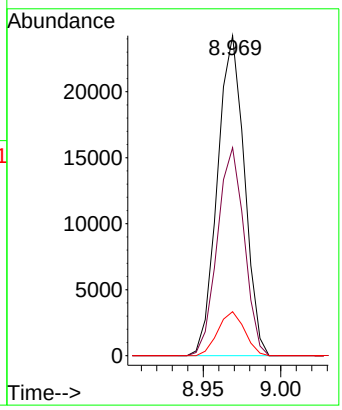


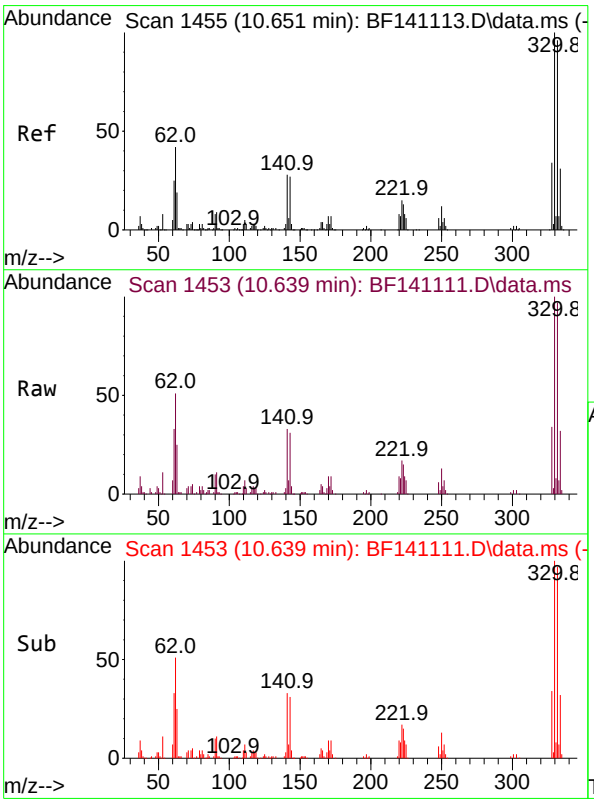

#41
Hexachlorocyclopentadiene
Concen: 9.652 ng
RT: 8.969 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:237 Resp: 29312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 65.0 | 43.0 | 83.0 |
| 272 | 13.7 | 0.0 | 33.0 |

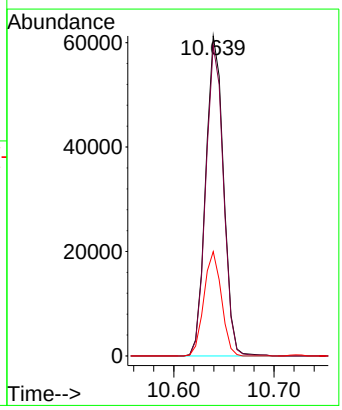


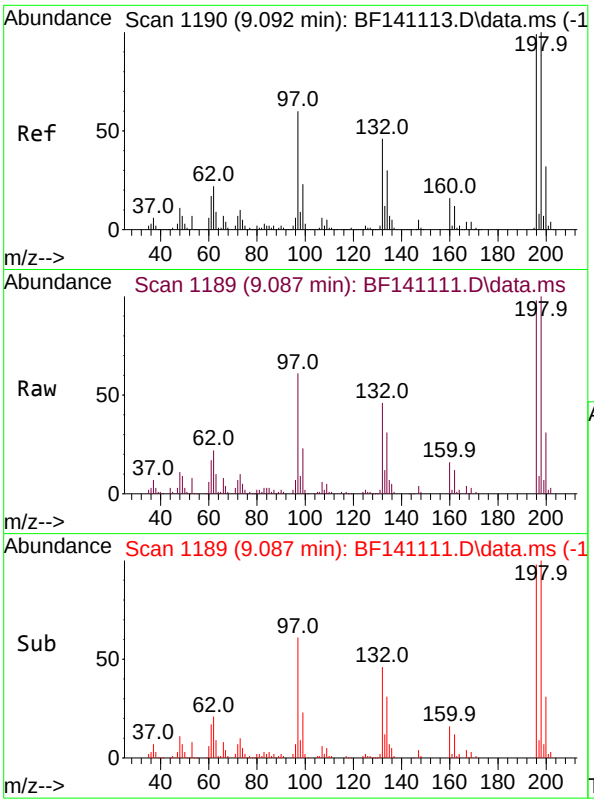




#42
2,4,6-Tribromophenol
Concen: 20.474 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:330 Resp: 75448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 76.9 | 115.3 |
| 141 | 32.1 | 25.2 | 37.8 |



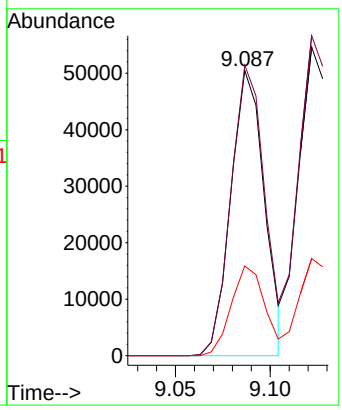


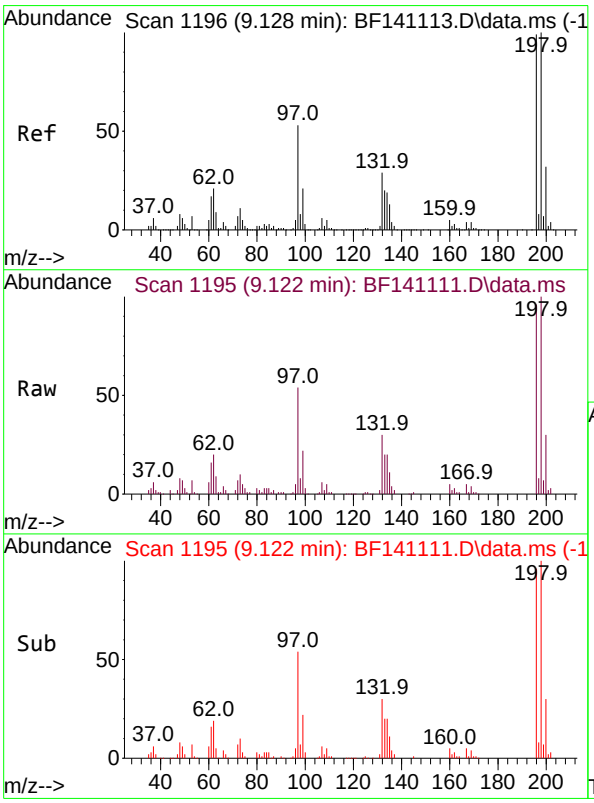

#43
2,4,6-Trichlorophenol
Concen: 9.915 ng
RT: 9.087 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:196 Resp: 62070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.9 | 80.8 | 121.2 |
| 200 | 31.5 | 25.7 | 38.5 |

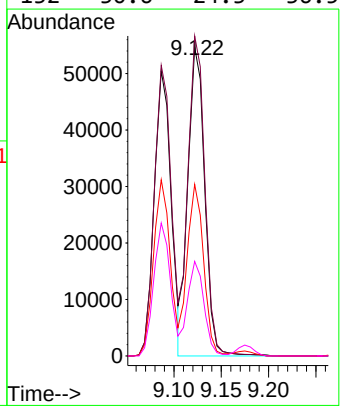


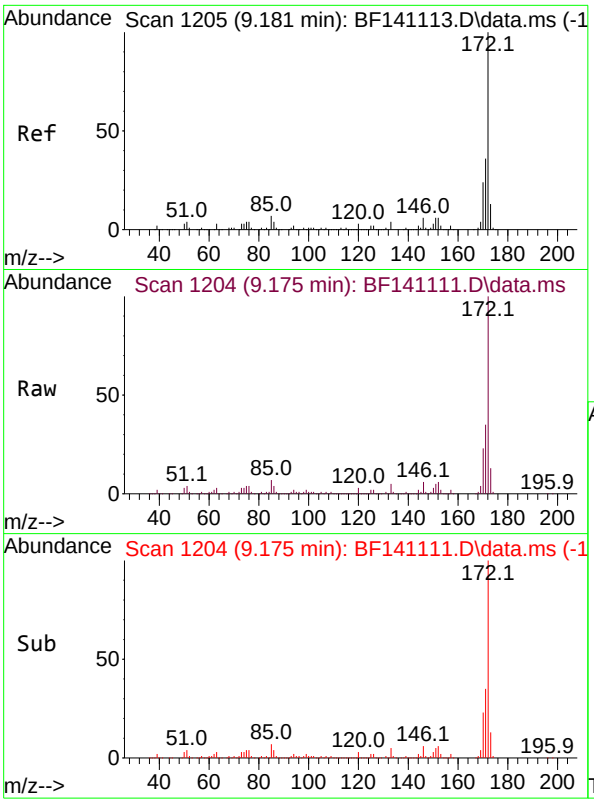




#44
2,4,5-Trichlorophenol
Concen: 10.258 ng
RT: 9.122 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:196 Resp: 67822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 103.7 | 80.6 | 120.8 |
| 97 | 55.5 | 43.1 | 64.7 |
| 132 | 30.6 | 24.3 | 36.5 |



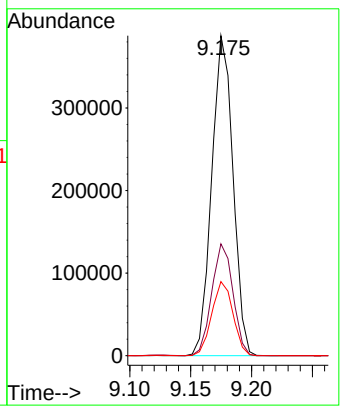


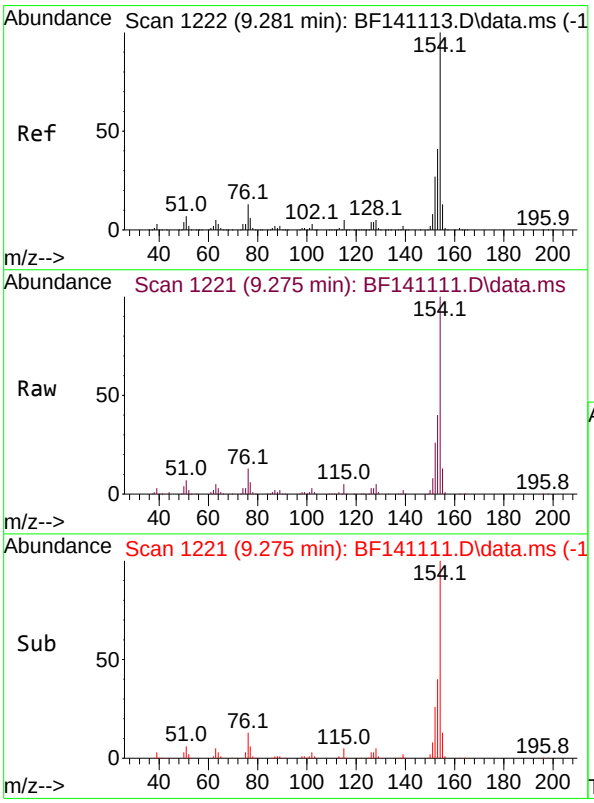

#45
2-Fluorobiphenyl
Concen: 22.282 ng
RT: 9.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:172 Resp: 471901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 28.7 | 43.1 |
| 170 | 23.1 | 19.0 | 28.6 |

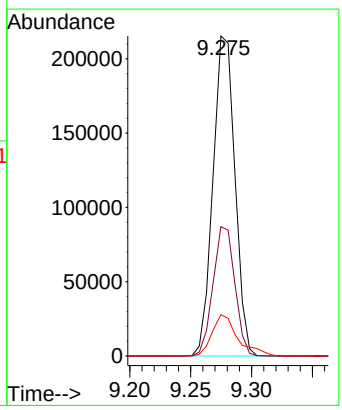


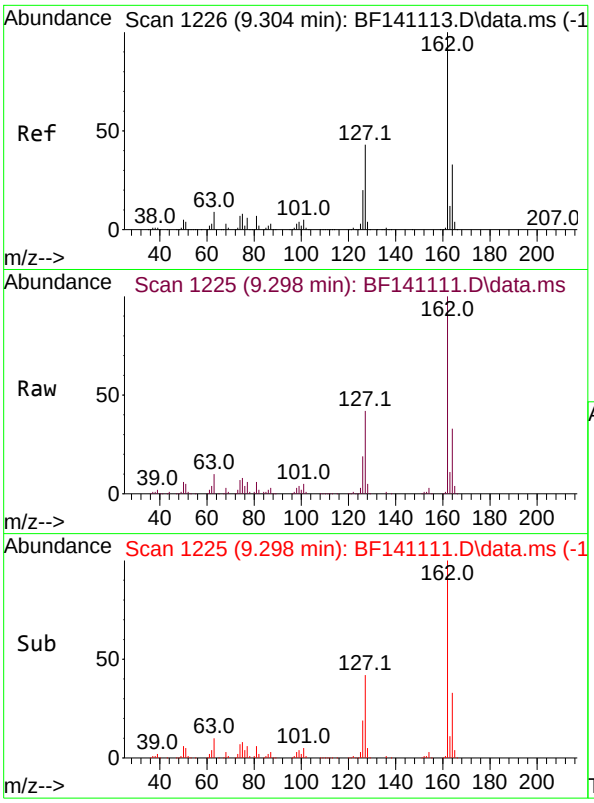




#46
1,1'-Biphenyl
Concen: 10.757 ng
RT: 9.275 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:154 Resp: 270164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.4 | 20.7 | 60.7 |
| 76 | 12.9 | 0.0 | 33.1 |



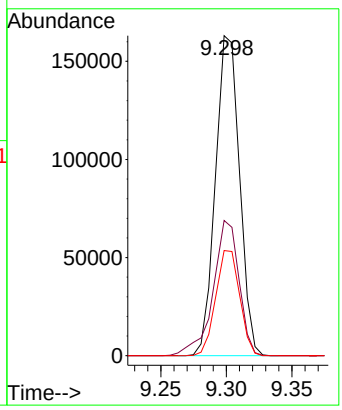


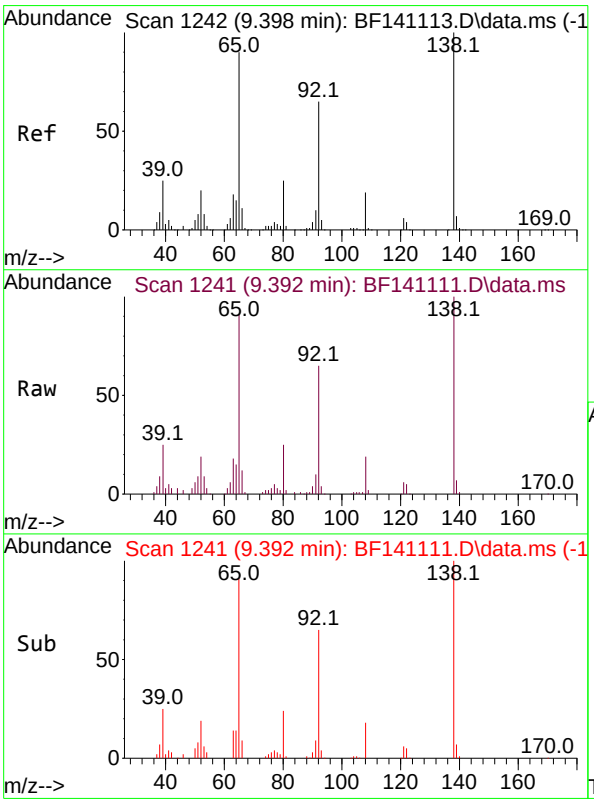

#47
2-Chloronaphthalene
Concen: 10.649 ng
RT: 9.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:162 Resp: 208316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.3 | 34.6 | 51.8 |
| 164 | 32.9 | 26.5 | 39.7 |

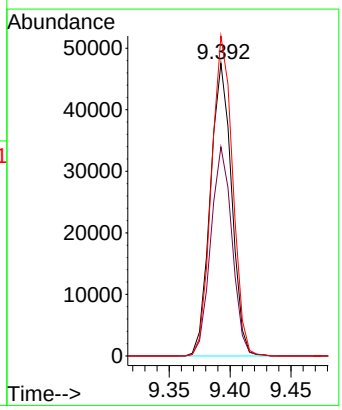


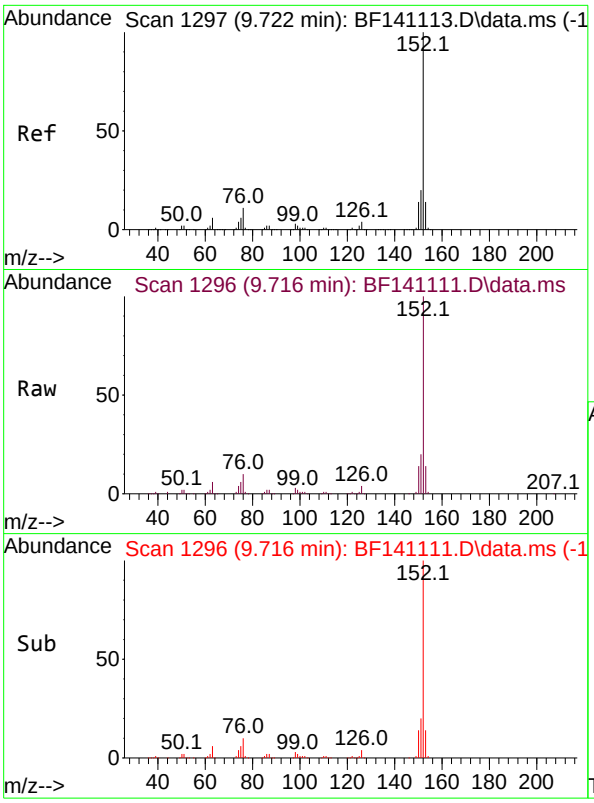




#48
2-Nitroaniline
Concen: 9.974 ng
RT: 9.392 min Scan# 1241
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion: 65 Resp: 57839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.5 | 58.3 | 87.5 |
| 138 | 109.4 | 89.1 | 133.7 |



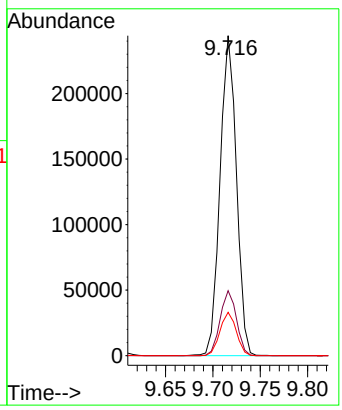


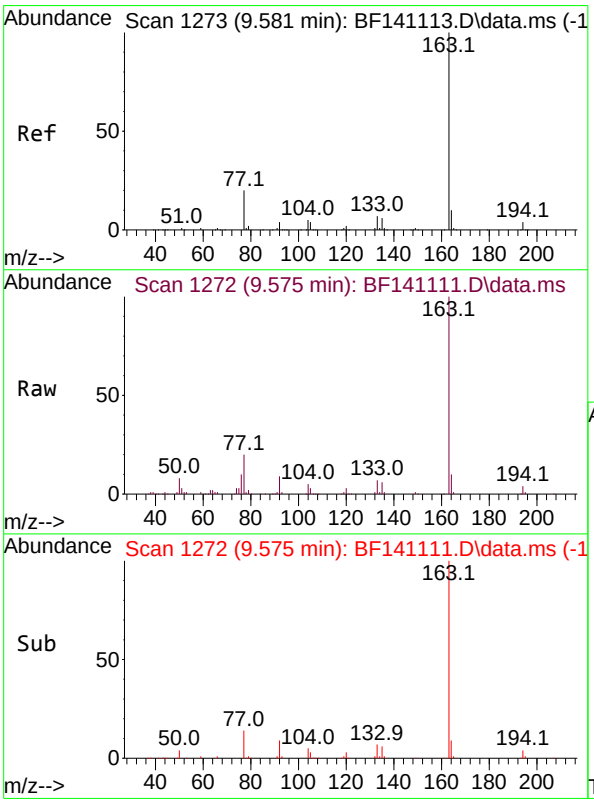

#49
Acenaphthylene
Concen: 10.532 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:152 Resp: 294365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.1 | 24.1 |
| 153 | 13.5 | 11.1 | 16.7 |

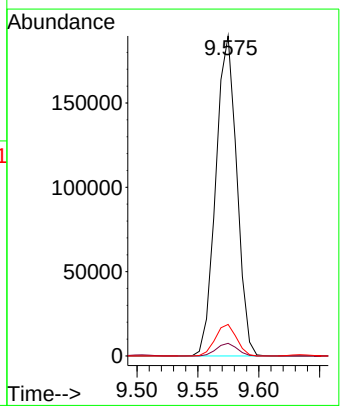


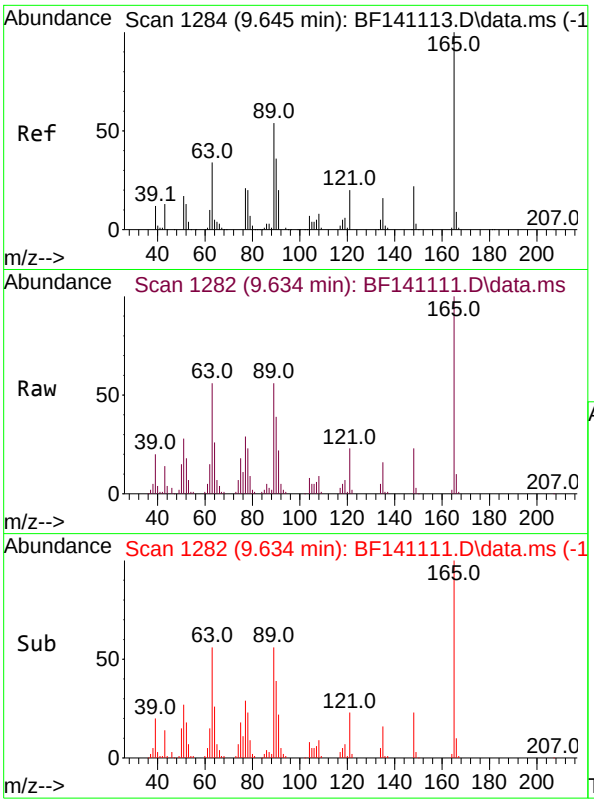




#50
Dimethylphthalate
Concen: 10.475 ng
RT: 9.575 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:163 Resp: 227434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.0 | 4.6 |
| 164 | 9.9 | 8.2 | 12.4 |



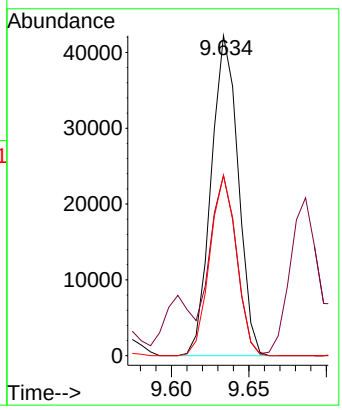


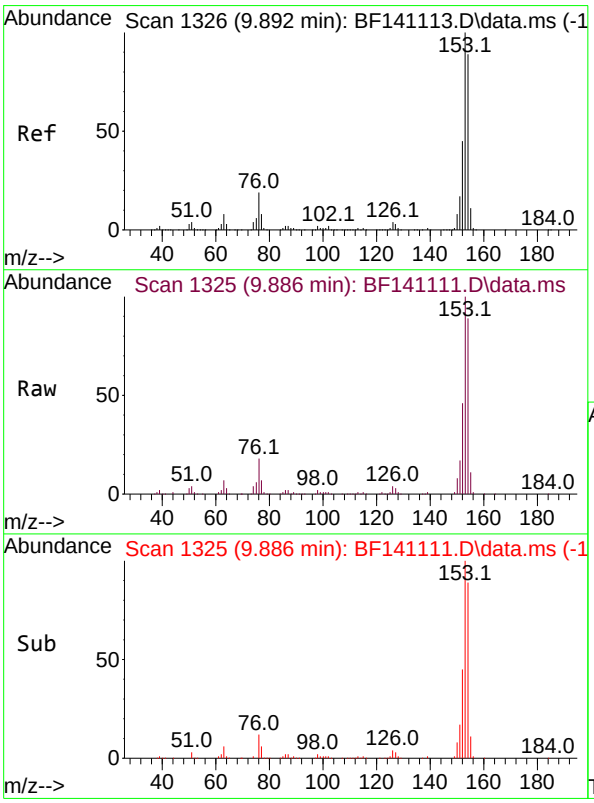

#51
2,6-Dinitrotoluene
Concen: 10.140 ng
RT: 9.634 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:165 Resp: 51195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 56.4 | 42.3 | 63.5 |
| 89 | 56.3 | 43.1 | 64.7 |

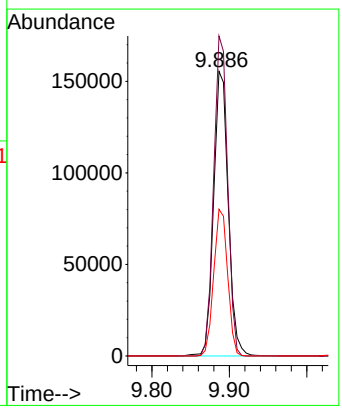


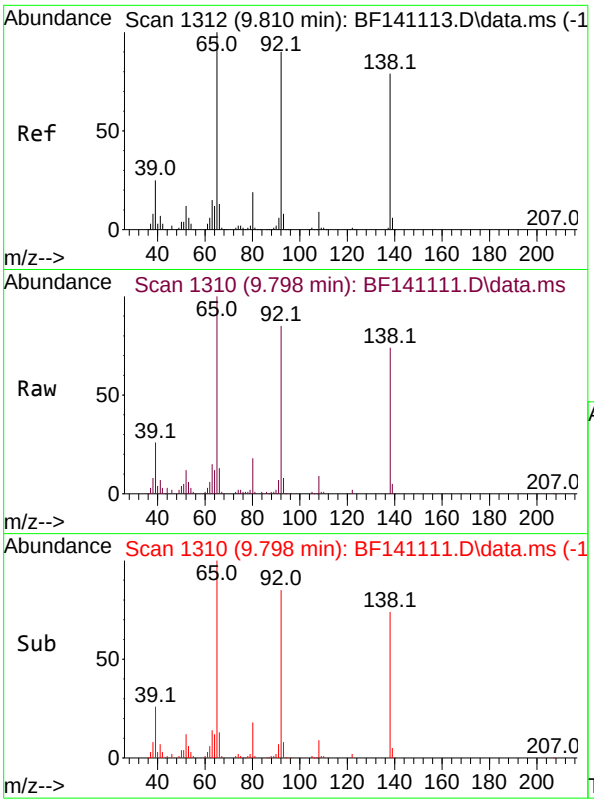




#52
Acenaphthene
Concen: 10.490 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:154 Resp: 204827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.4 | 89.8 | 134.6 |
| 152 | 51.6 | 40.8 | 61.2 |



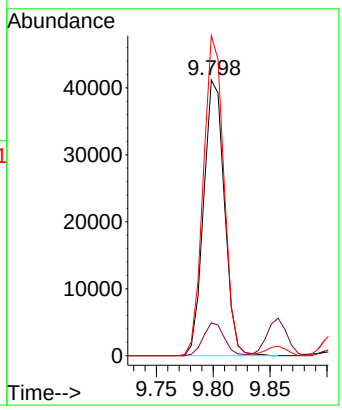


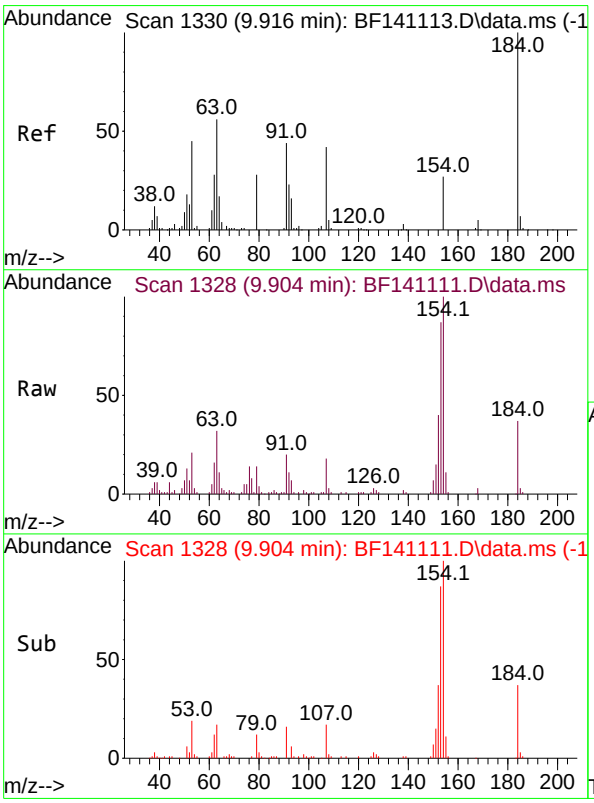

#53
3-Nitroaniline
Concen: 10.205 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:138 Resp: 52358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 12.0 | 8.8 | 13.2 |
| 92 | 116.1 | 91.3 | 136.9 |

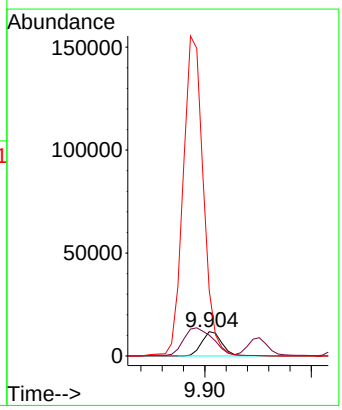


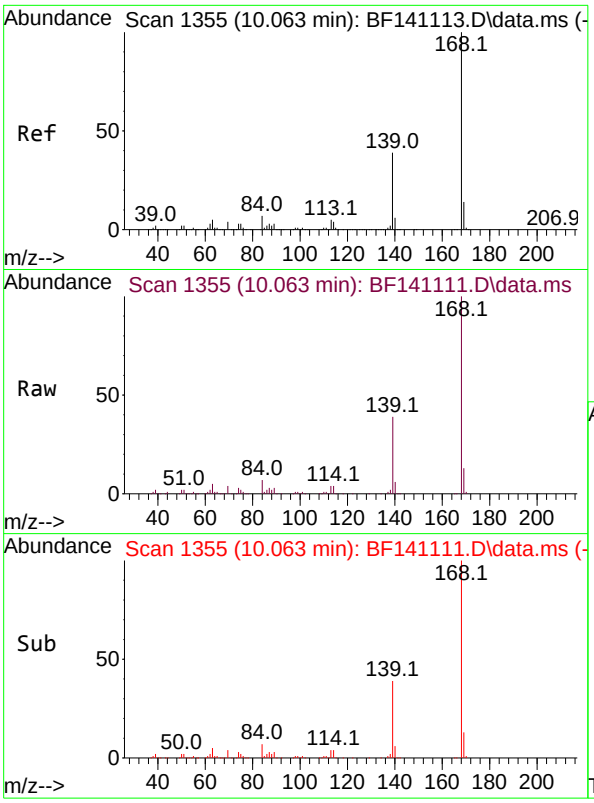




#54
2,4-Dinitrophenol
Concen: 6.517 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:184 Resp: 15639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 85.8 | 48.7 | 73.1# |
| 154 | 269.1 | 57.1 | 85.7# |



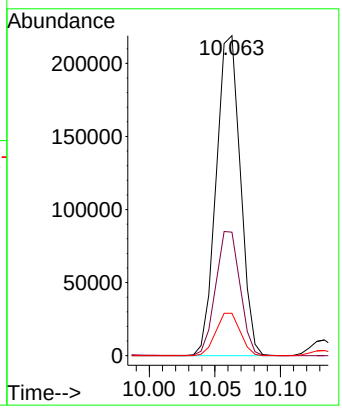


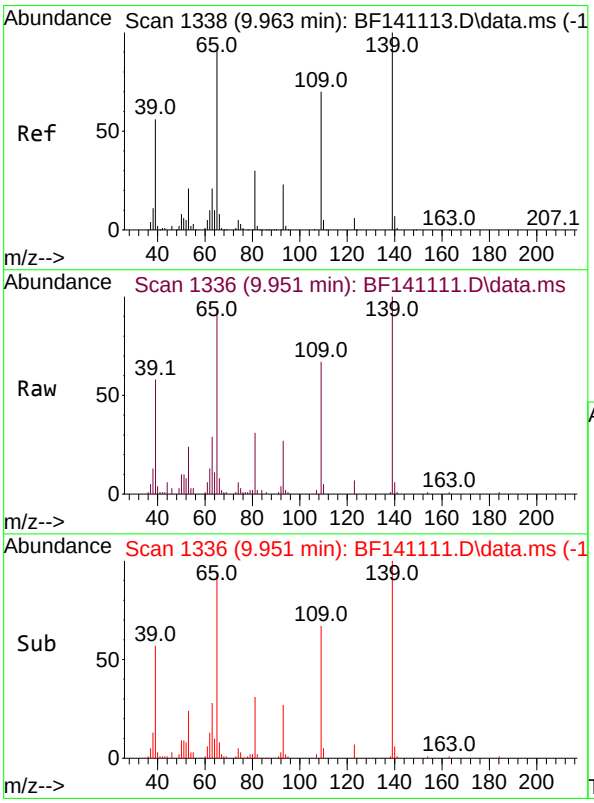

#55
Dibenzofuran
Concen: 10.569 ng
RT: 10.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:168 Resp: 280708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.6 | 31.4 | 47.0 |
| 169 | 13.3 | 10.9 | 16.3 |

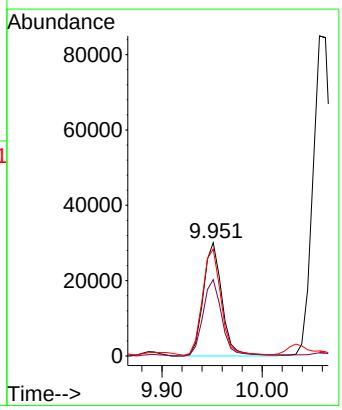


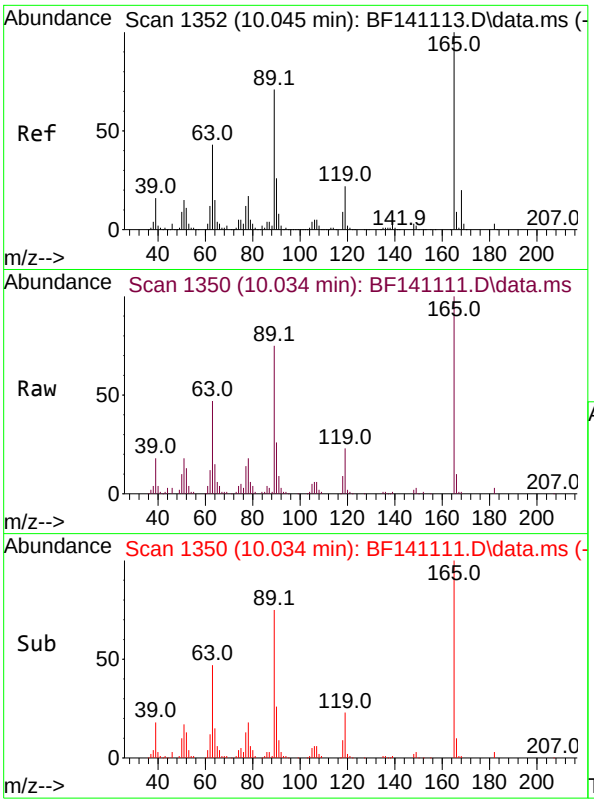




#56
4-Nitrophenol
Concen: 9.709 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:139 Resp: 39013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 67.3 | 50.2 | 90.2 |
| 65 | 94.3 | 72.1 | 112.1 |



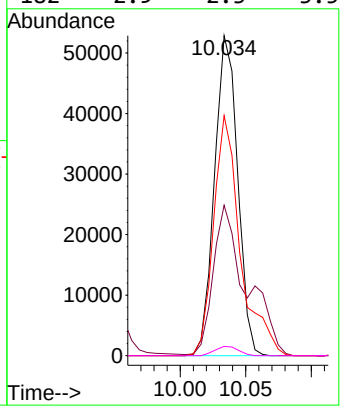


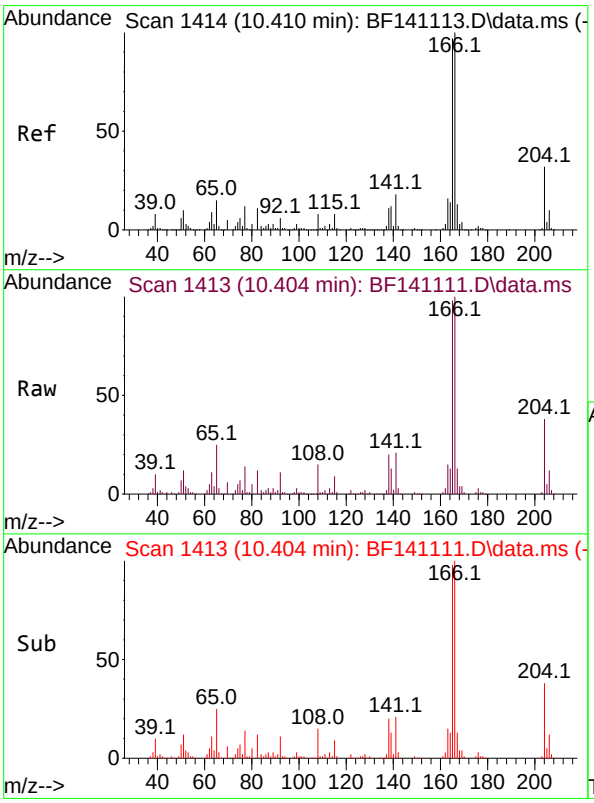

#57
2,4-Dinitrotoluene
Concen: 9.975 ng
RT: 10.034 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:165 Resp: 64903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.0 | 35.0 | 52.4 |
| 89 | 75.0 | 56.7 | 85.1 |
| 182 | 2.9 | 2.3 | 3.5 |

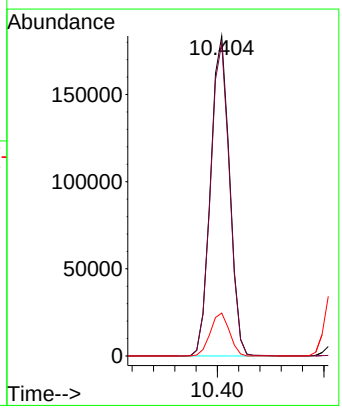


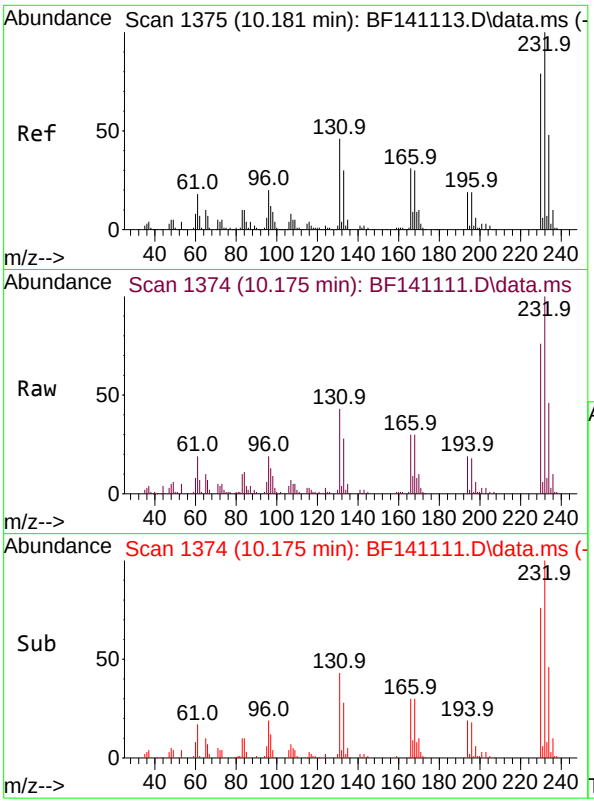




#58
Fluorene
Concen: 10.991 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:166 Resp: 226791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.7 | 77.8 | 116.8 |
| 167 | 13.4 | 10.8 | 16.2 |



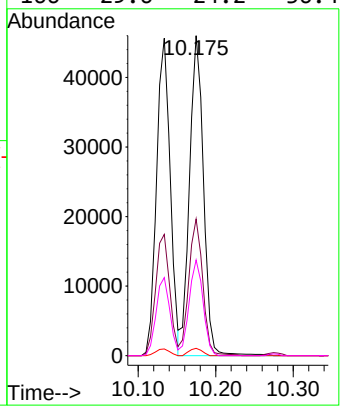


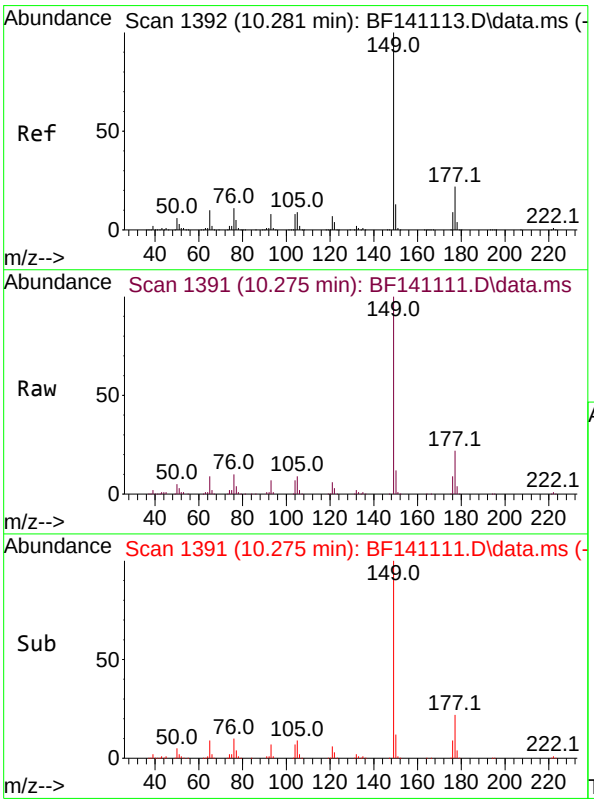

#59
2,3,4,6-Tetrachlorophenol
Concen: 10.519 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:232 Resp: 57812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 42.5 | 36.2 | 54.4 |
| 130 | 2.1 | 2.0 | 3.0 |
| 166 | 29.6 | 24.2 | 36.4 |

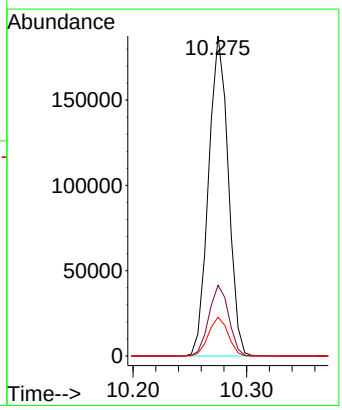


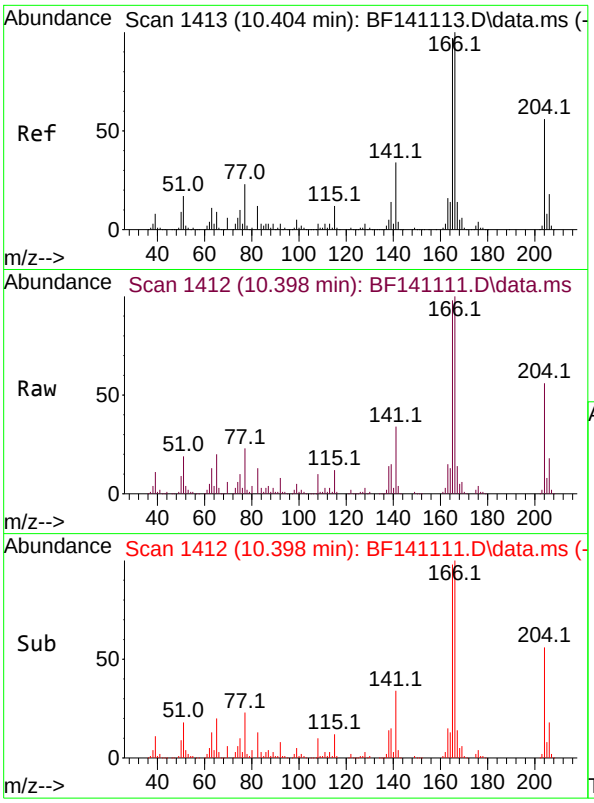




#60
Diethylphthalate
Concen: 10.657 ng
RT: 10.275 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:149 Resp: 225896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.1 | 17.9 | 26.9 |
| 150 | 12.1 | 10.2 | 15.2 |



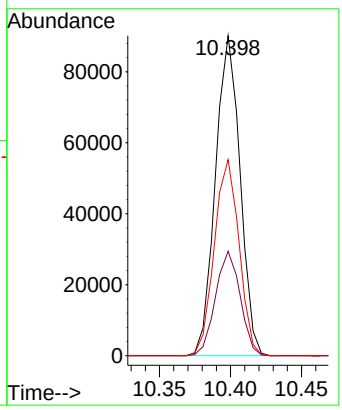


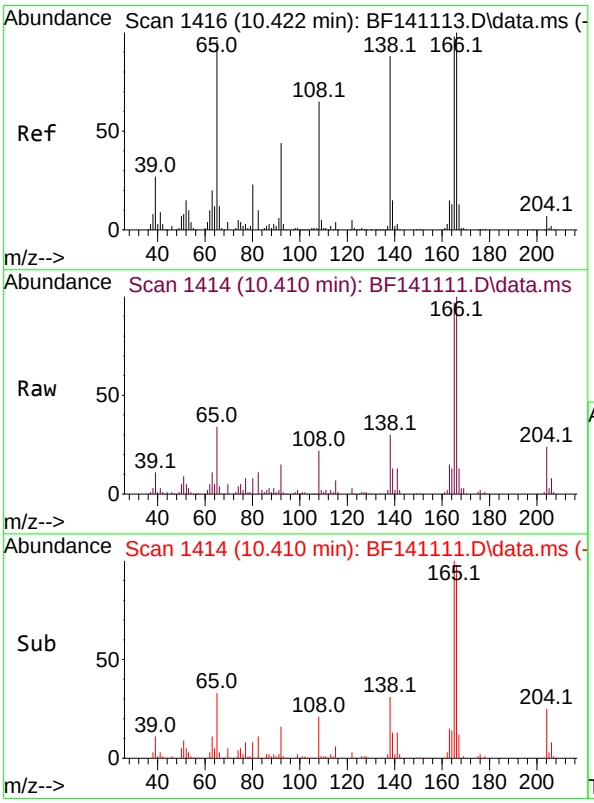

#61
4-Chlorophenyl-phenylether
Concen: 10.806 ng
RT: 10.398 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:204 Resp: 108674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.6 | 25.9 | 38.9 |
| 141 | 61.2 | 49.1 | 73.7 |

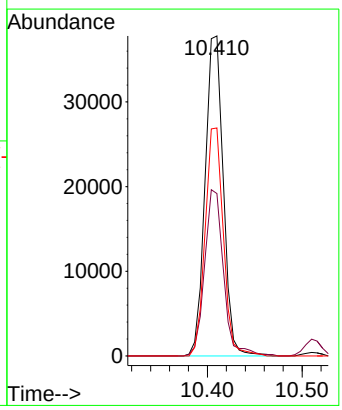


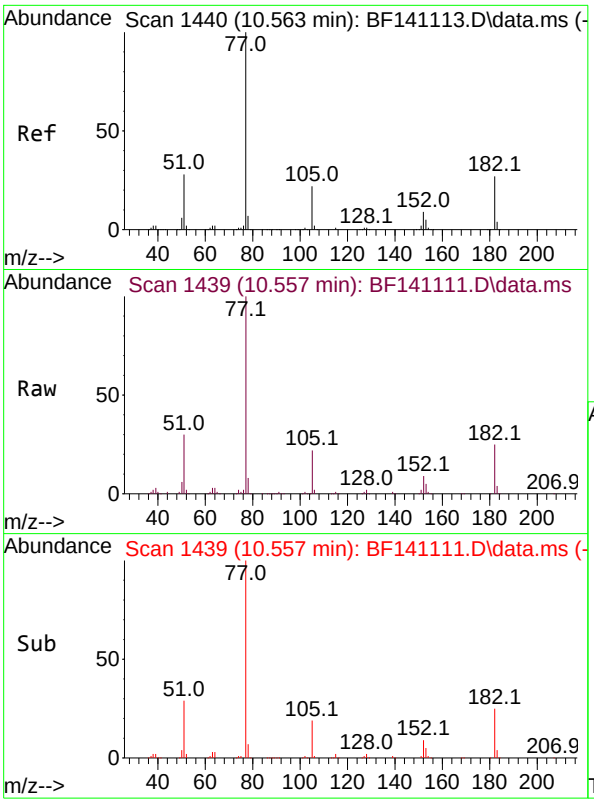




#62
4-Nitroaniline
Concen: 10.033 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:138 Resp: 50381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.8 | 29.4 | 69.4 |
| 108 | 71.3 | 53.7 | 93.7 |



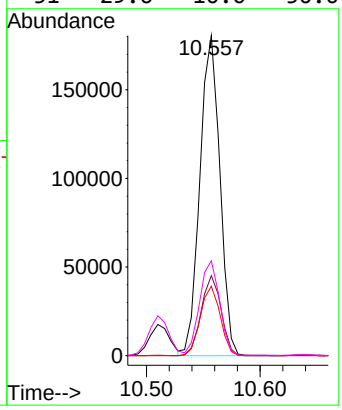


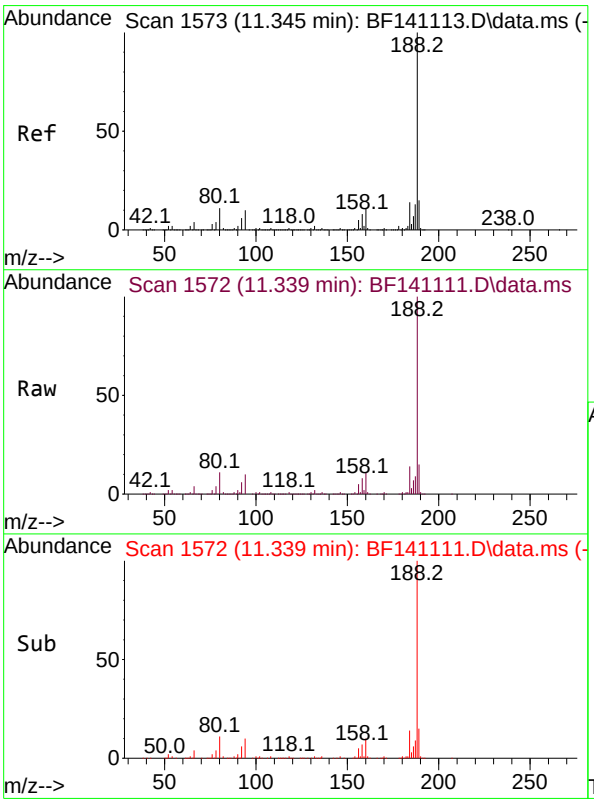

#63
Azobenzene
Concen: 10.536 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion: 77 Resp: 220351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.0 | 6.1 | 46.1 |
| 105 | 21.7 | 2.1 | 42.1 |
| 51 | 29.6 | 10.0 | 50.0 |

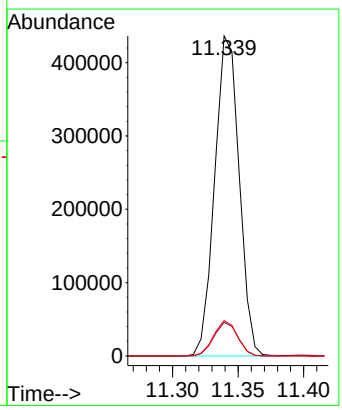


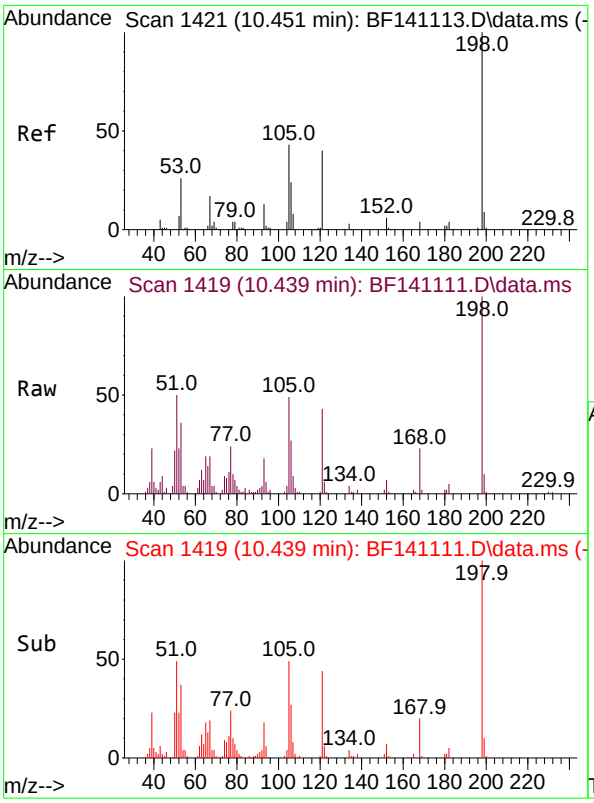




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:188 Resp: 565570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.5 | 8.3 | 12.5 |
| 80 | 11.1 | 9.0 | 13.4 |



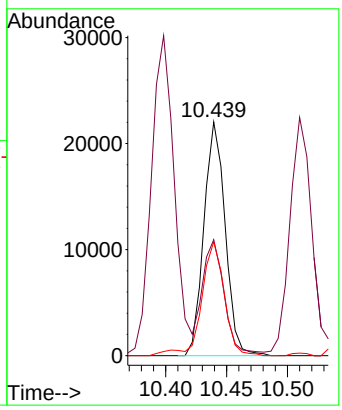


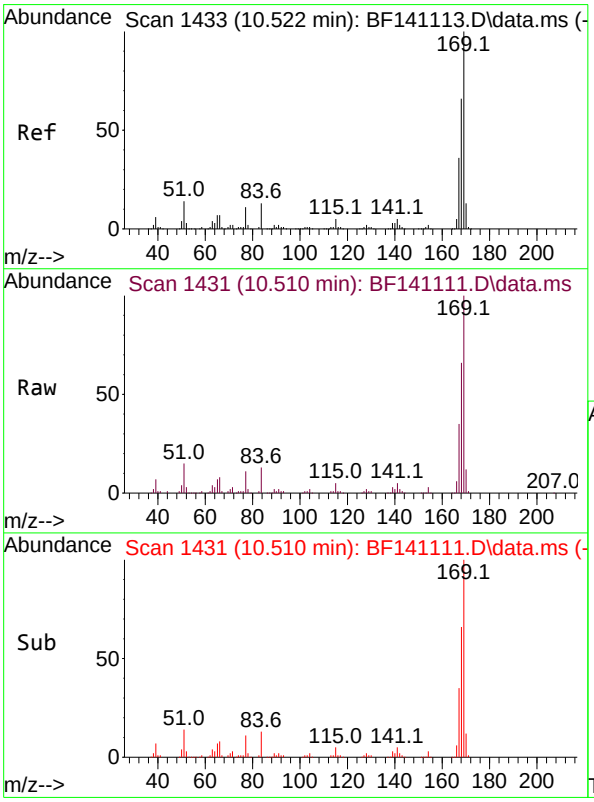

#65
4,6-Dinitro-2-methylphenol
Concen: 8.177 ng
RT: 10.439 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:198 Resp: 26799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 49.6 | 27.1 | 67.1 |
| 105 | 48.7 | 24.2 | 64.2 |

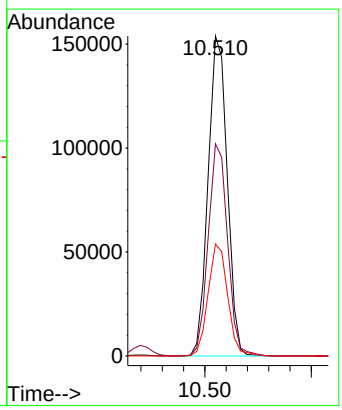


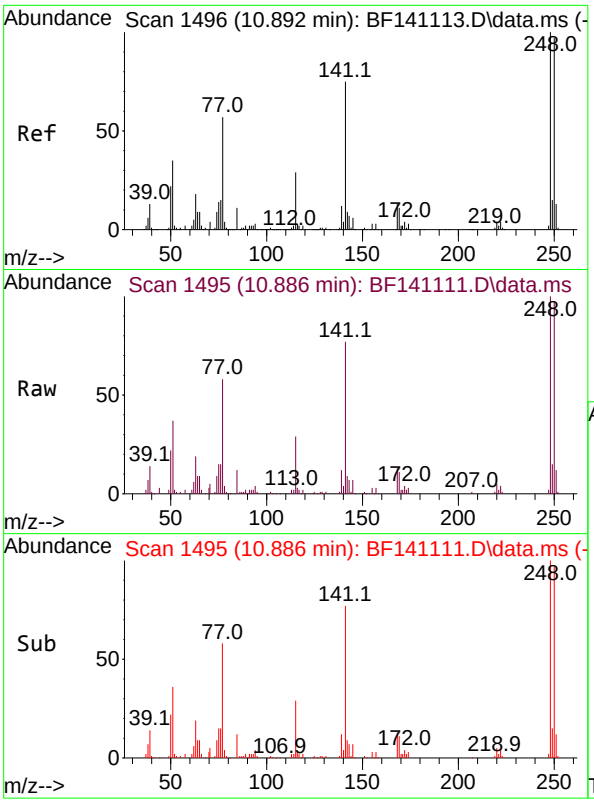




#66
n-Nitrosodiphenylamine
Concen: 10.494 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:169 Resp: 191433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.3 | 52.5 | 78.7 |
| 167 | 35.0 | 28.9 | 43.3 |



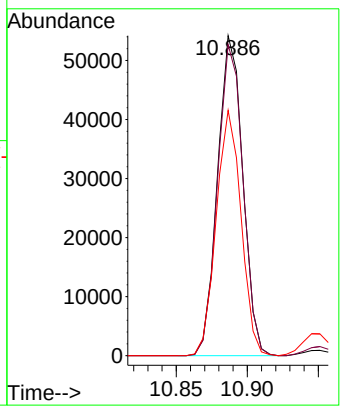


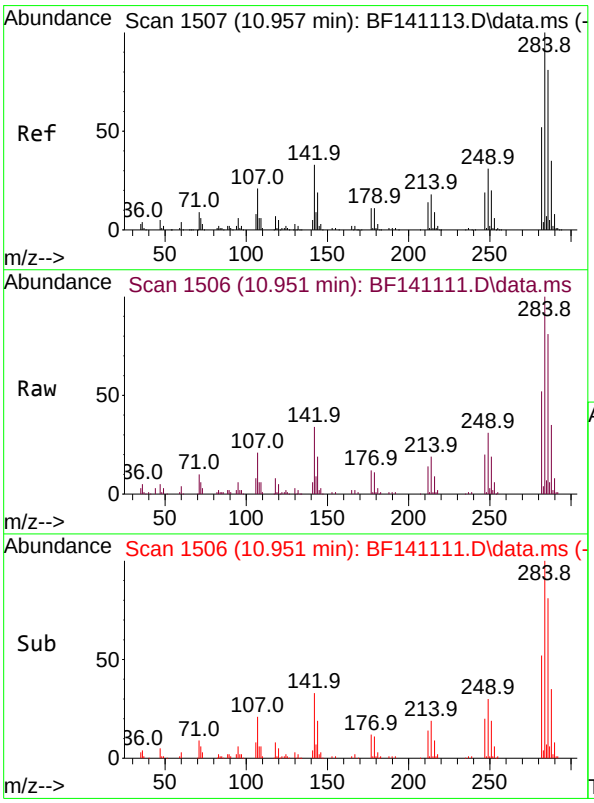

#67
4-Bromophenyl-phenylether
Concen: 10.293 ng
RT: 10.886 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:248 Resp: 67025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.2 | 77.9 | 116.9 |
| 141 | 76.6 | 59.9 | 89.9 |

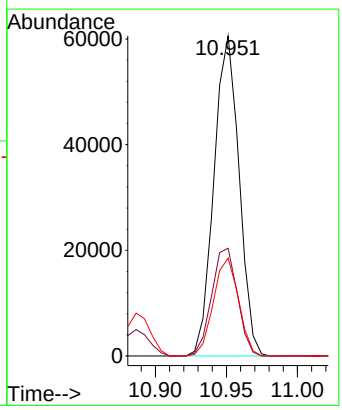


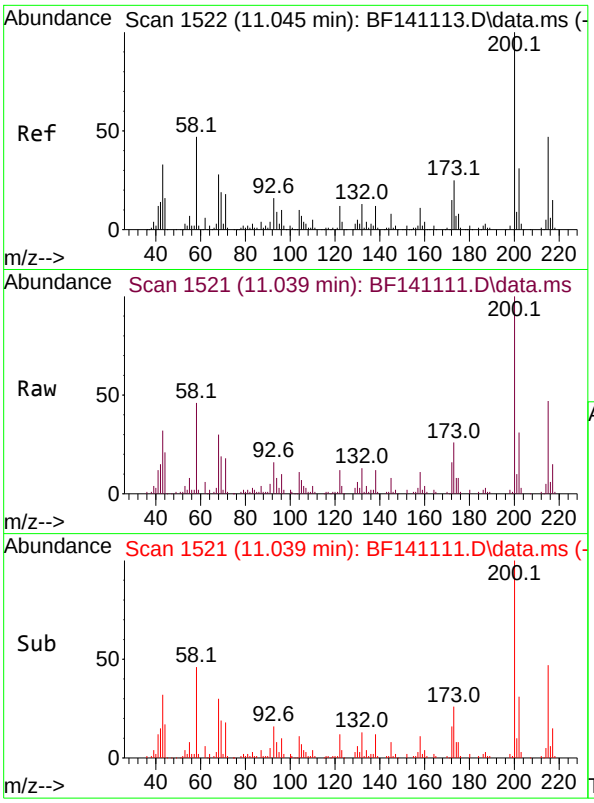




#68
Hexachlorobenzene
Concen: 10.271 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:284 Resp: 74450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.7 | 26.3 | 39.5 |
| 249 | 30.6 | 24.9 | 37.3 |



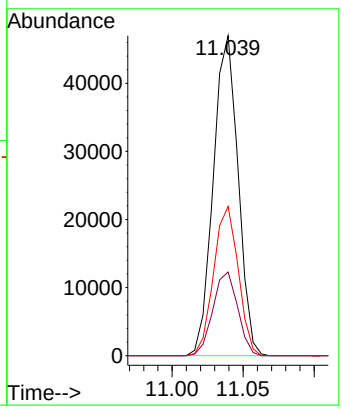


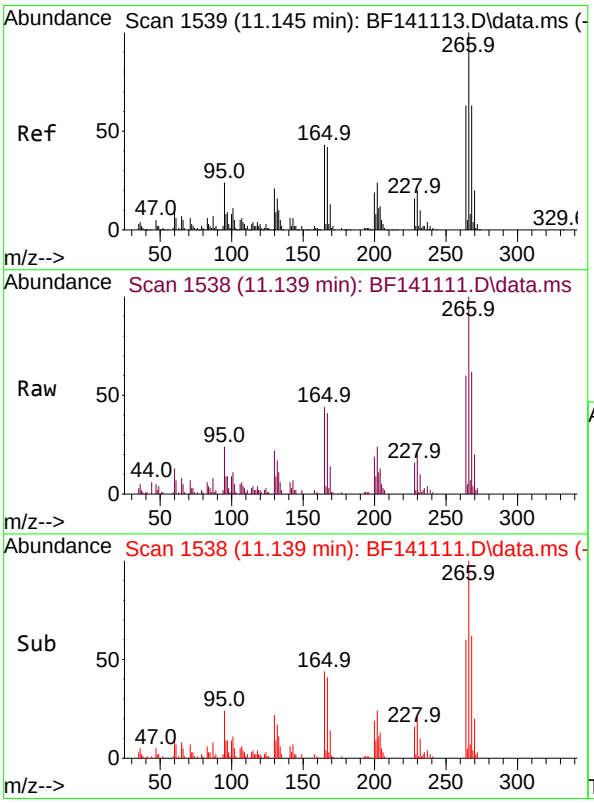

#69
Atrazine
Concen: 11.597 ng
RT: 11.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:200 Resp: 56963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.2 | 5.4 | 45.4 |
| 215 | 46.7 | 26.6 | 66.6 |

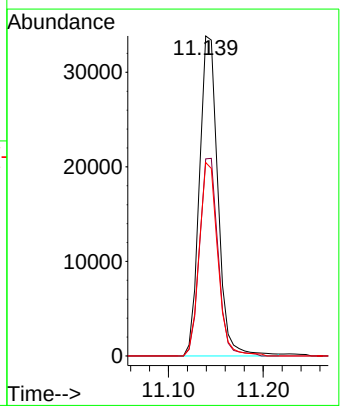


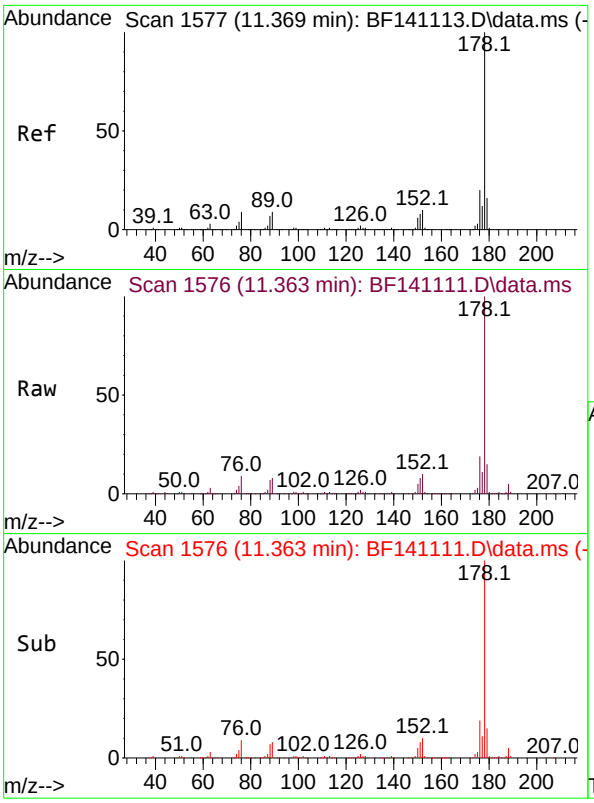




#70
Pentachlorophenol
Concen: 9.877 ng
RT: 11.139 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:266 Resp: 45847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 61.6 | 50.4 | 75.6 |
| 264 | 60.4 | 50.2 | 75.2 |



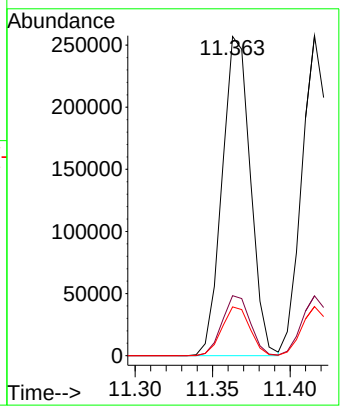


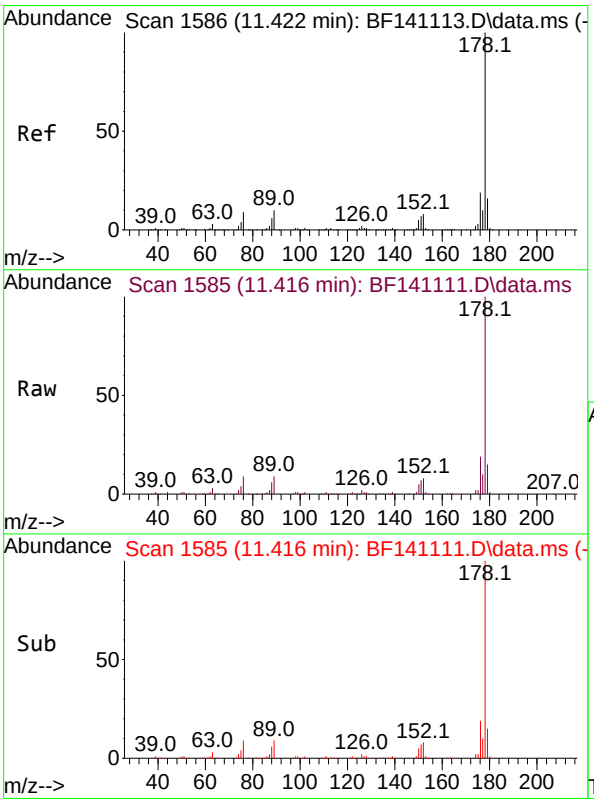

#71
Phenanthrene
Concen: 10.728 ng
RT: 11.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:178 Resp: 325737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.7 | 23.5 |
| 179 | 15.3 | 12.6 | 19.0 |

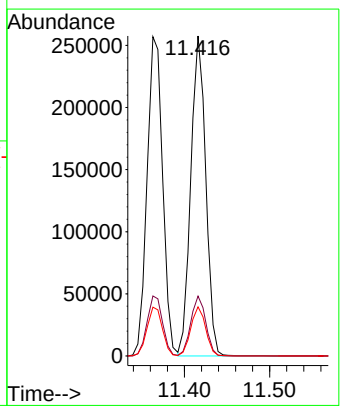


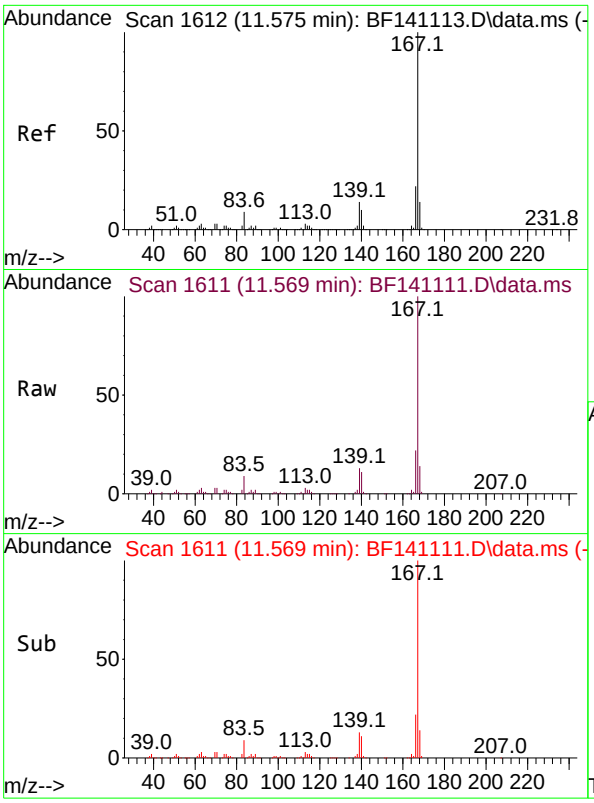




#72
Anthracene
Concen: 10.638 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:178 Resp: 314077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 14.9 | 22.3 |
| 179 | 15.3 | 12.6 | 19.0 |



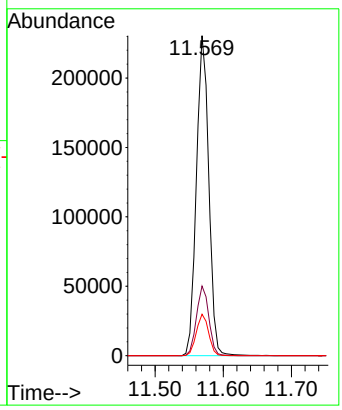


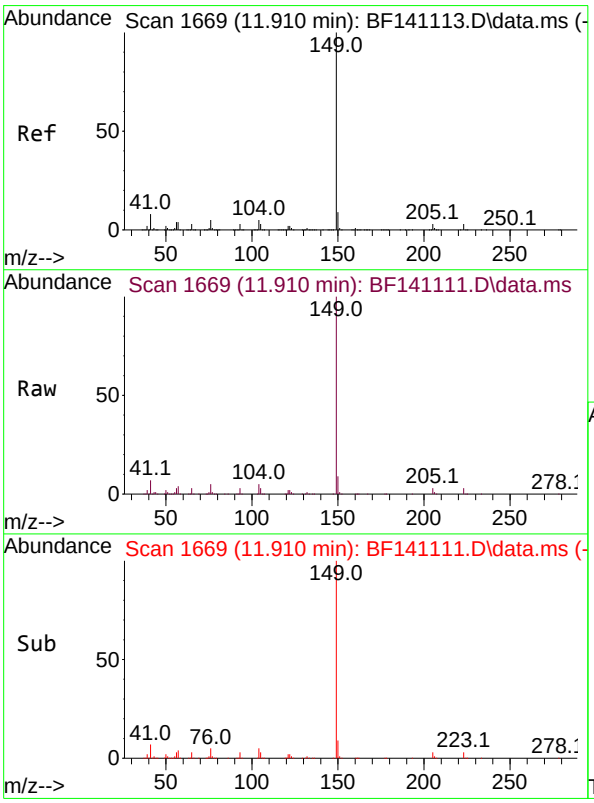

#73
Carbazole
Concen: 10.710 ng
RT: 11.569 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:167 Resp: 289945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.7 | 17.4 | 26.2 |
| 139 | 12.9 | 10.9 | 16.3 |

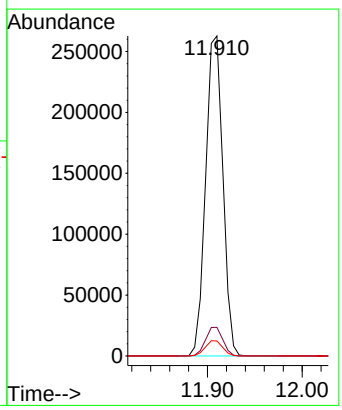


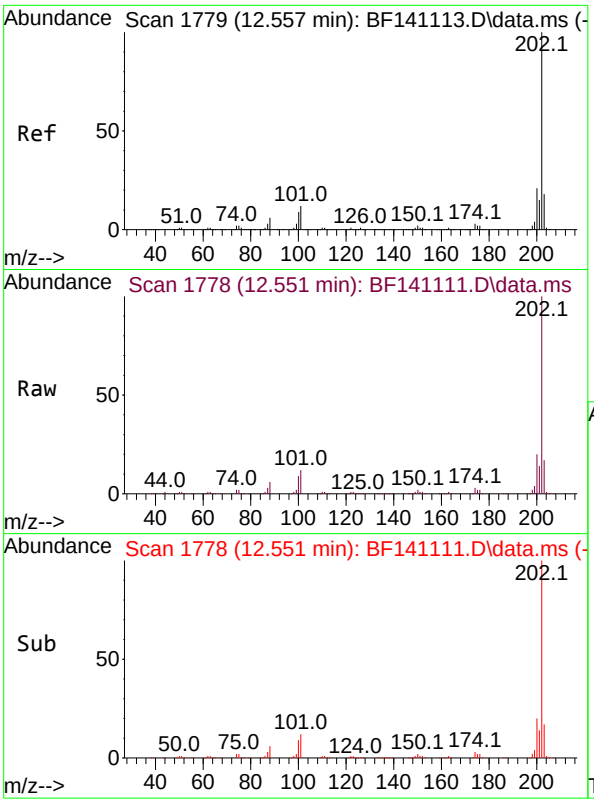




#74
Di-n-butylphthalate
Concen: 10.740 ng
RT: 11.910 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:149 Resp: 332734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.4 | 11.2 |
| 104 | 4.7 | 4.2 | 6.2 |



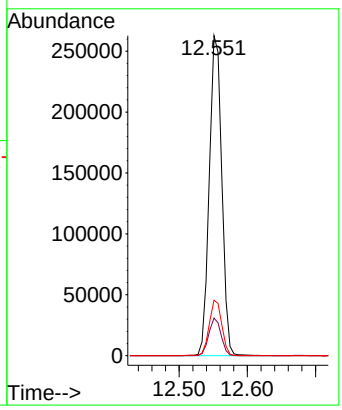


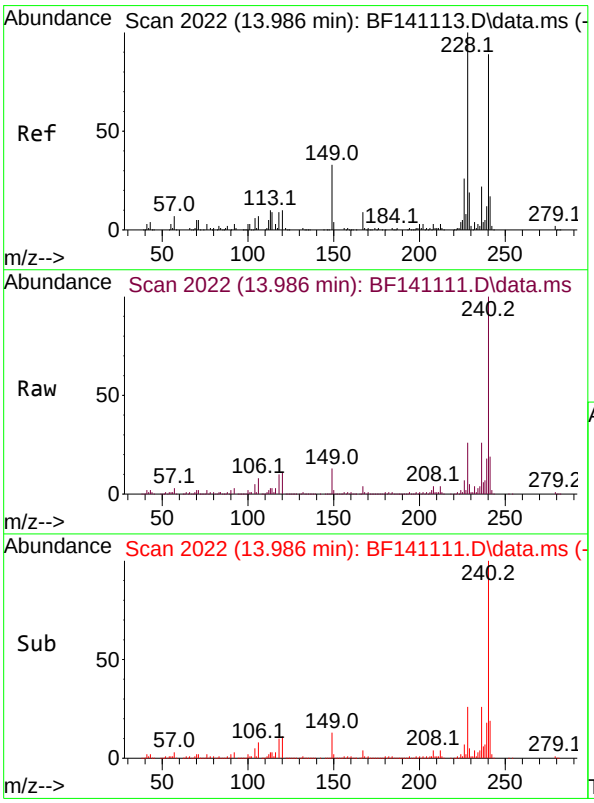

#75
Fluoranthene
Concen: 11.083 ng
RT: 12.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:202 Resp: 335808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.7 | 0.0 | 32.3 |
| 203 | 17.3 | 0.0 | 37.7 |

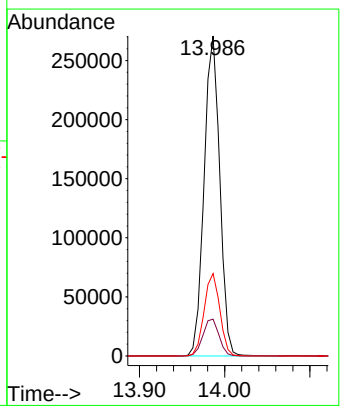


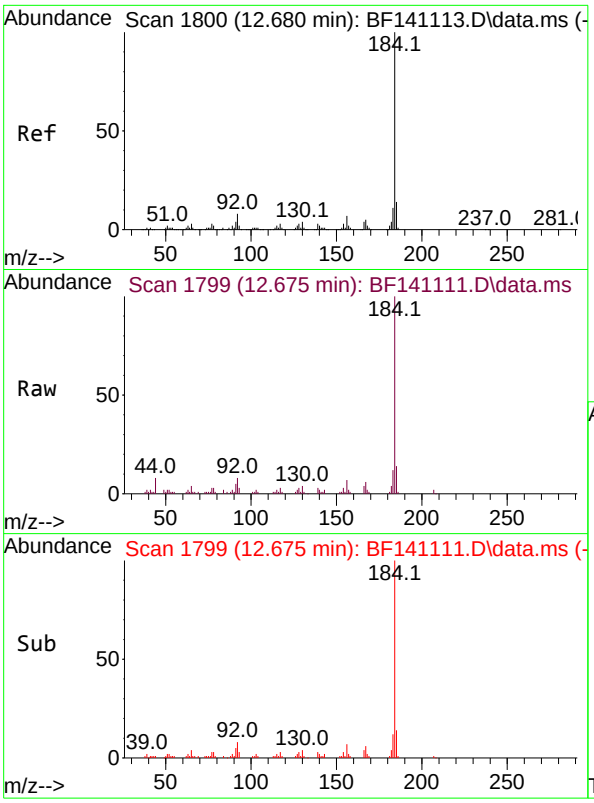




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:240 Resp: 345946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.5 | 9.1 | 13.7 |
| 236 | 25.7 | 19.8 | 29.6 |



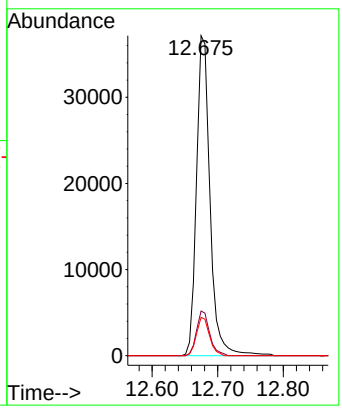


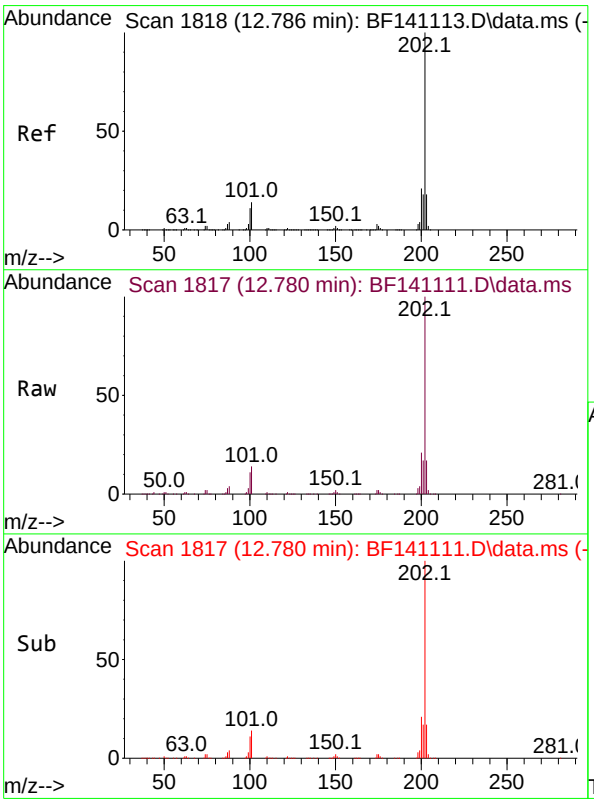

#77
Benzidine
Concen: 8.343 ng
RT: 12.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:184 Resp: 53526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.0 | 11.4 | 17.0 |
| 183 | 11.9 | 9.2 | 13.8 |

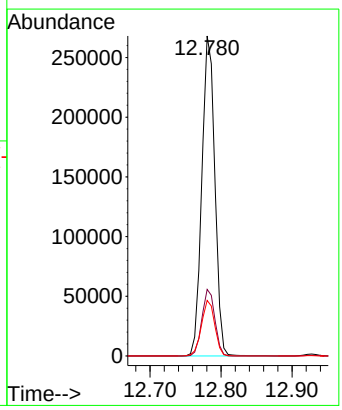


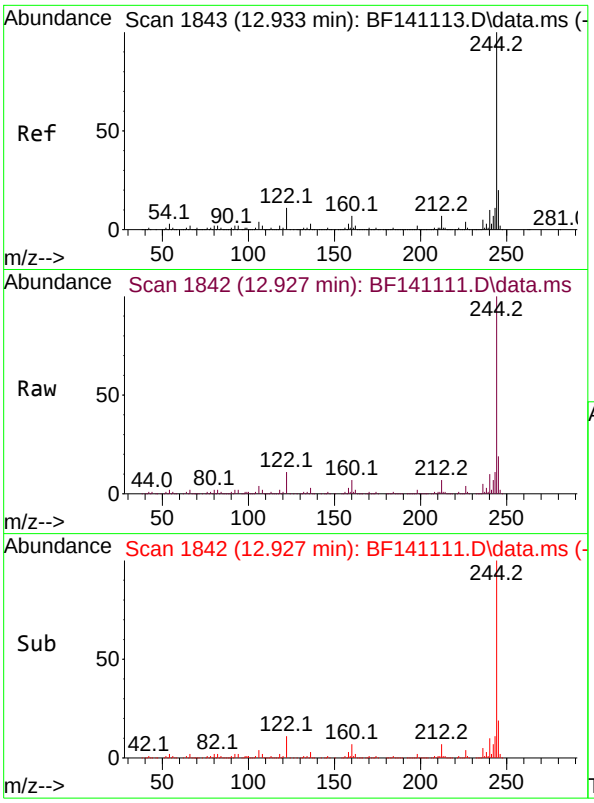




#78
Pyrene
Concen: 10.348 ng
RT: 12.780 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:202 Resp: 341925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.8 | 16.8 | 25.2 |
| 203 | 17.4 | 14.3 | 21.5 |



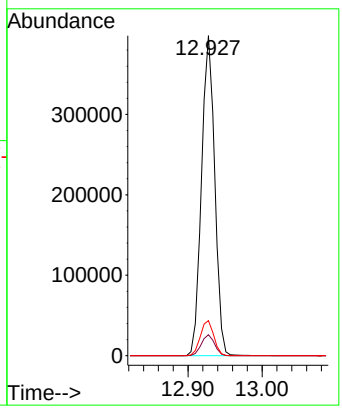


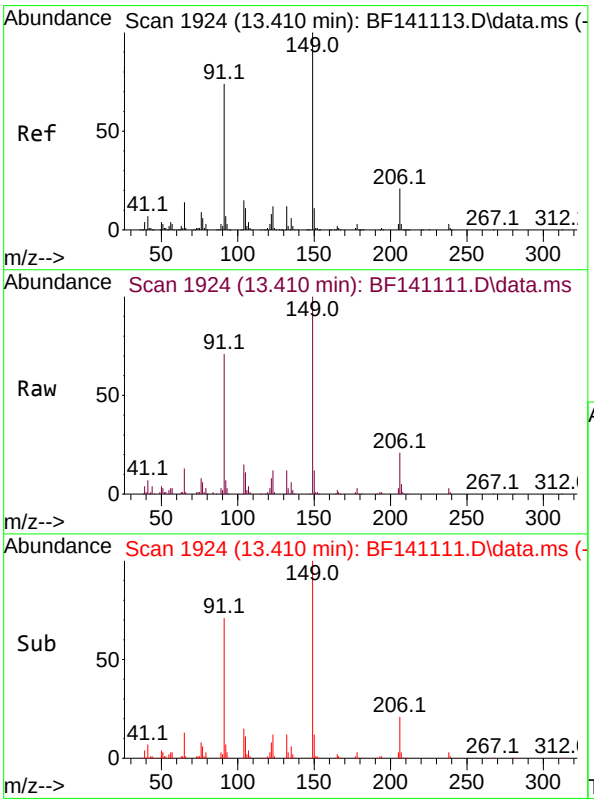

#79
Terphenyl-d14
Concen: 21.161 ng
RT: 12.927 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:244 Resp: 492528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.5 | 5.4 | 8.2 |
| 122 | 10.9 | 8.8 | 13.2 |

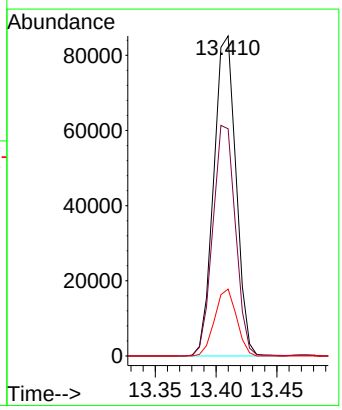


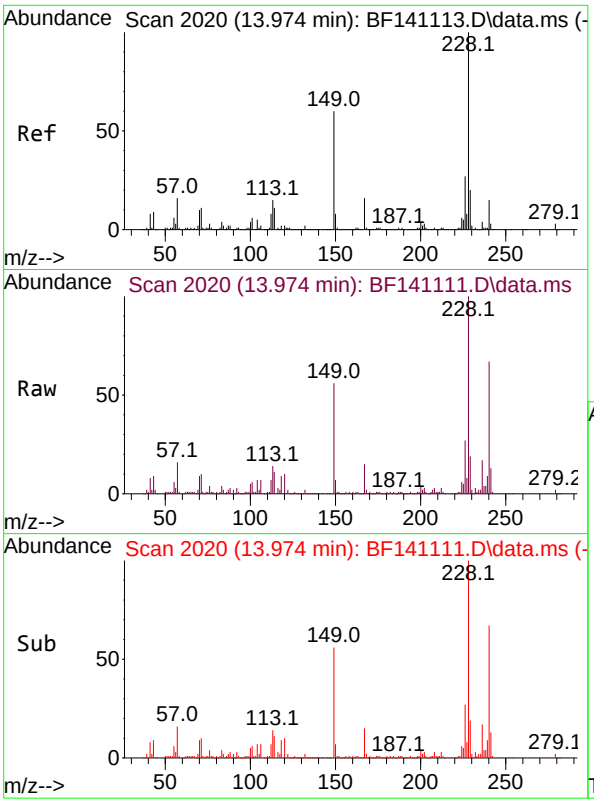




#80
Butylbenzylphthalate
Concen: 9.868 ng
RT: 13.410 min Scan# 1924
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:149 Resp: 108714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 71.0 | 59.0 | 88.6 |
| 206 | 20.9 | 16.5 | 24.7 |



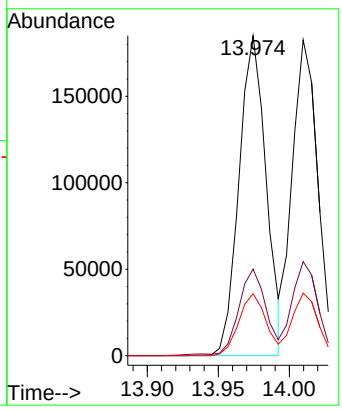


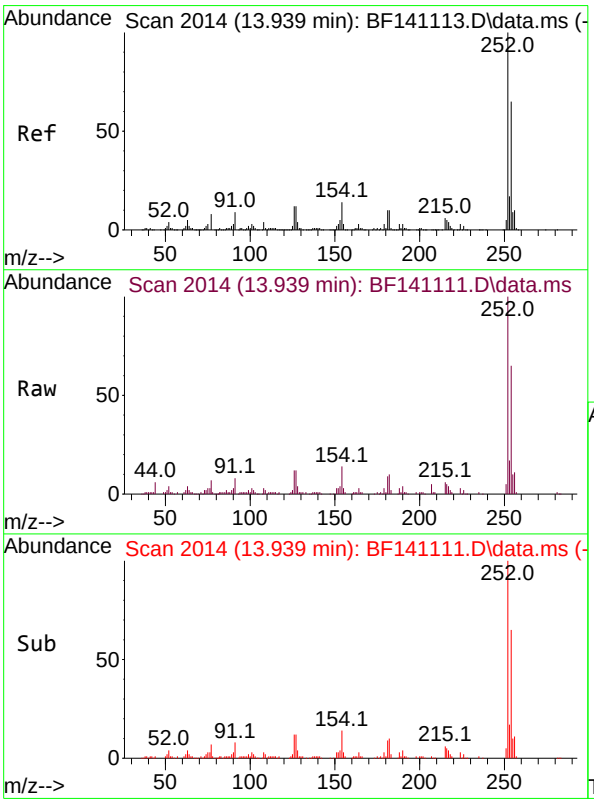

#81
Benzo(a)anthracene
Concen: 10.430 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:228 Resp: 245554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.0 | 21.7 | 32.5 |
| 229 | 19.4 | 15.7 | 23.5 |

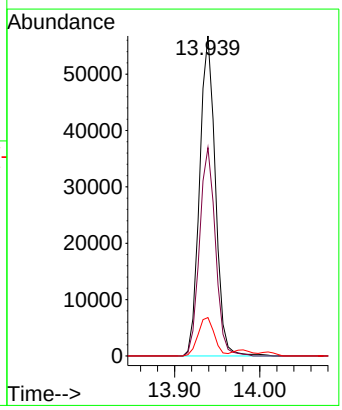


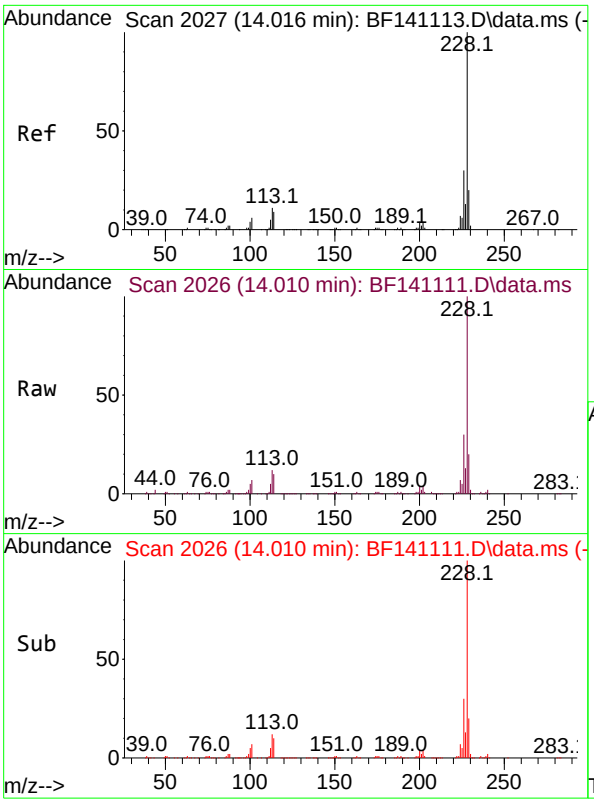




#82
3,3'-Dichlorobenzidine
Concen: 9.733 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:252 Resp: 72963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.1 | 52.0 | 78.0 |
| 126 | 12.0 | 9.4 | 14.0 |



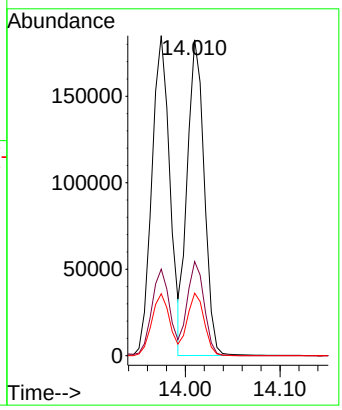


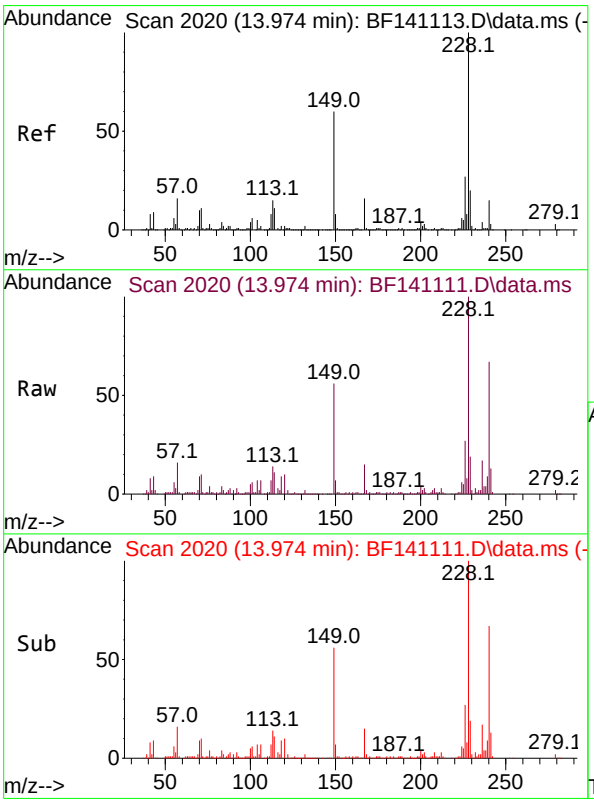

#83
Chrysene
Concen: 10.331 ng
RT: 14.010 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:228 Resp: 227579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 23.8 | 35.8 |
| 229 | 19.8 | 15.8 | 23.8 |

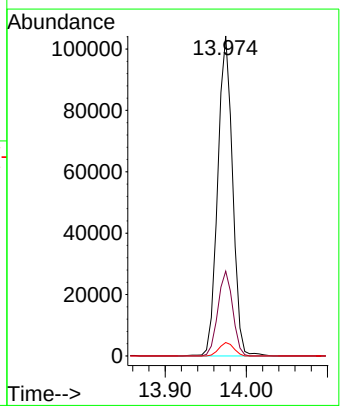


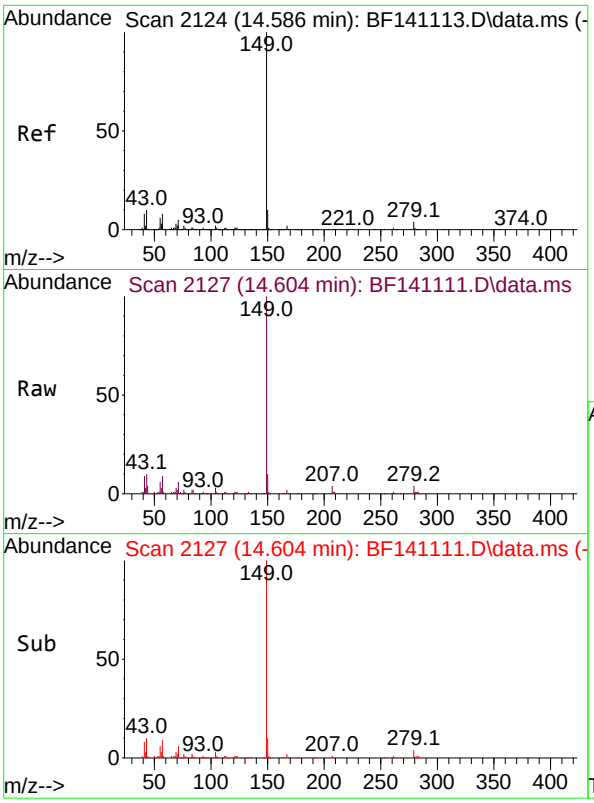




#84
Bis(2-ethylhexyl)phthalate
Concen: 10.047 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:149 Resp: 132798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.5 | 21.4 | 32.2 |
| 279 | 4.2 | 3.4 | 5.2 |



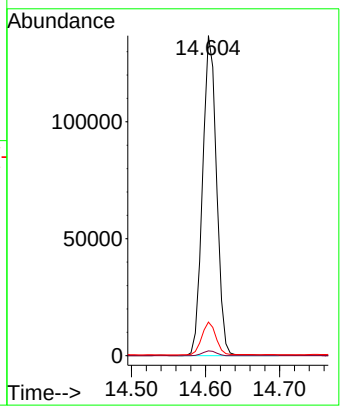


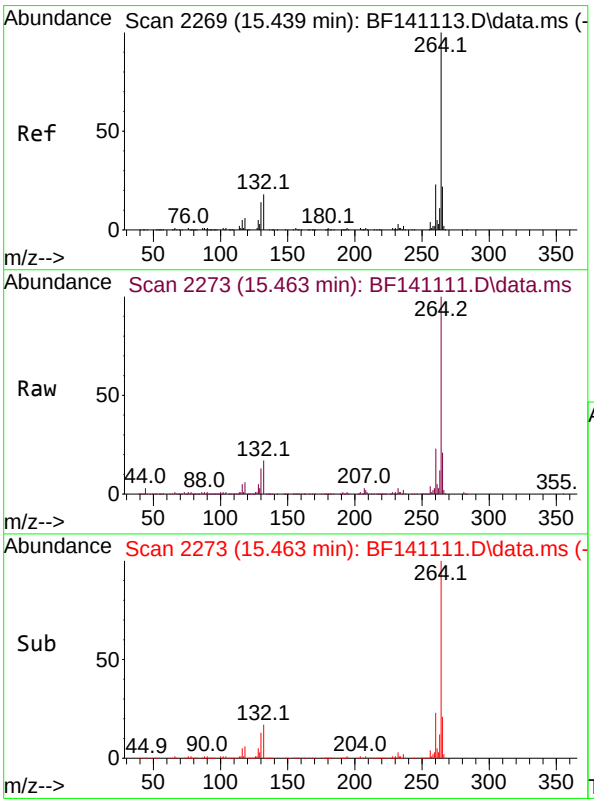

#85
Di-n-octyl phthalate
Concen: 9.007 ng
RT: 14.604 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:149 Resp: 179782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 10.5 | 8.4 | 12.6 |

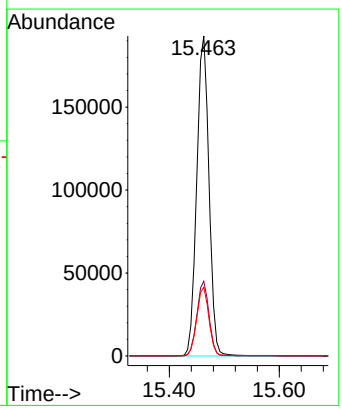


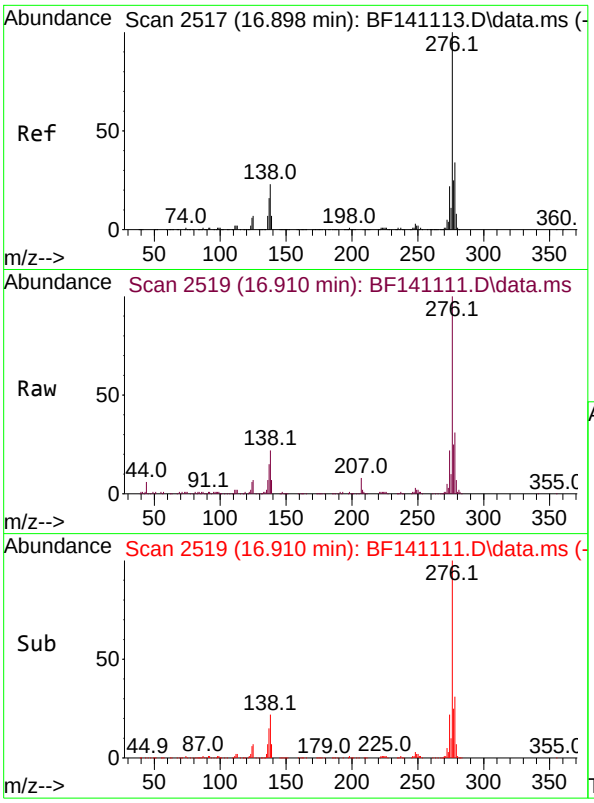




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. 0.024 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:264 Resp: 298779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.6 | 28.0 |
| 265 | 21.4 | 17.4 | 26.0 |



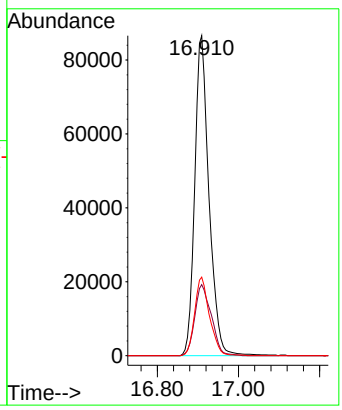


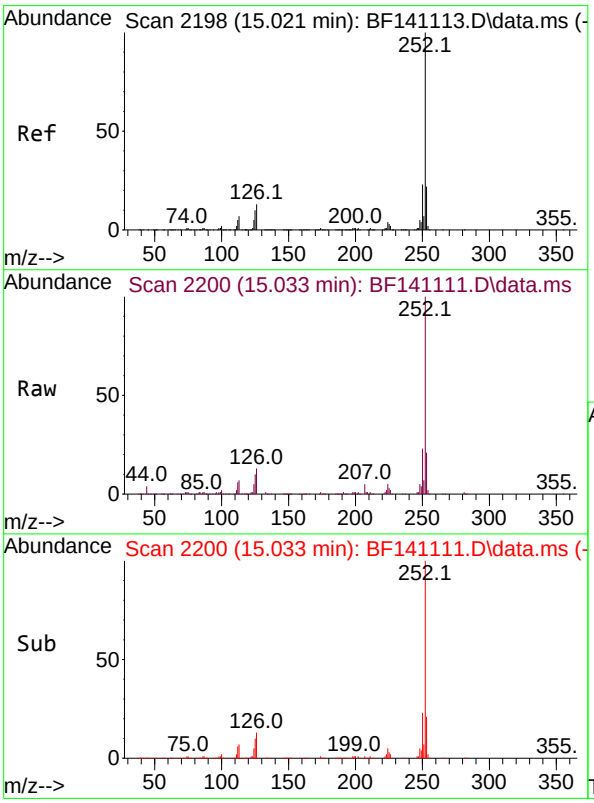

#87
Indeno(1,2,3-cd)pyrene
Concen: 9.689 ng
RT: 16.910 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:276 Resp: 212077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.7 | 20.7 | 31.1 |
| 277 | 25.6 | 20.6 | 30.8 |

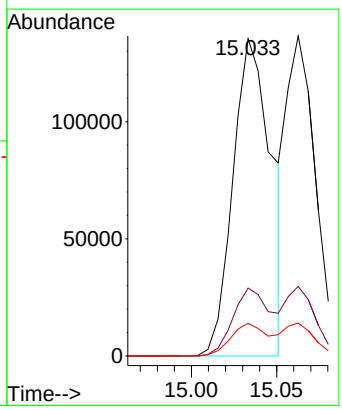


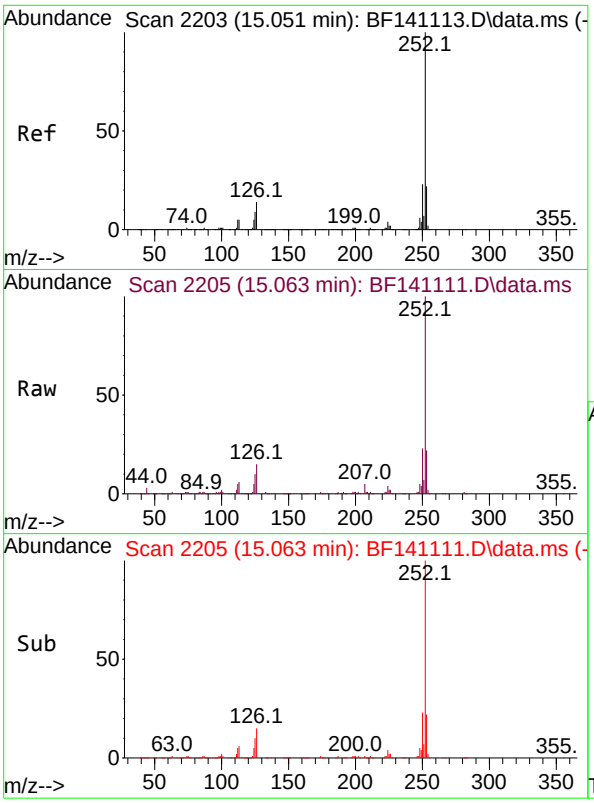




#88
Benzo(b)fluoranthene
Concen: 10.973 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:252 Resp: 211401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.8 | 26.6 |
| 125 | 10.3 | 8.1 | 12.1 |



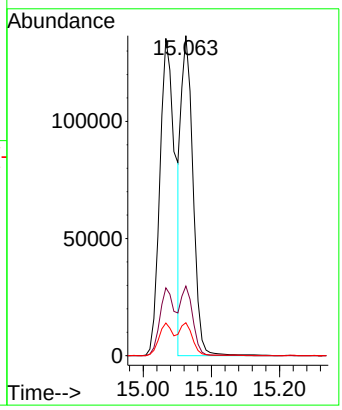


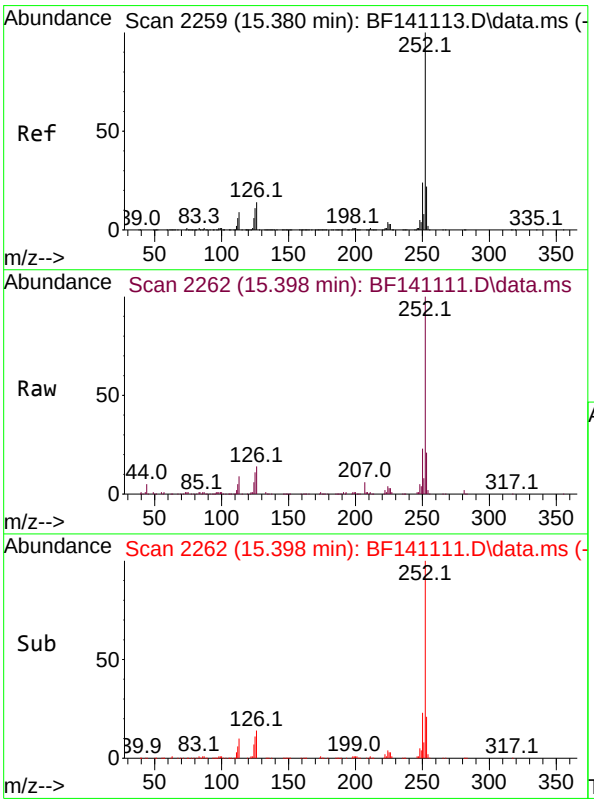

#89
Benzo(k)fluoranthene
Concen: 10.115 ng
RT: 15.063 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:252 Resp: 164685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.8 | 26.8 |
| 125 | 10.3 | 7.9 | 11.9 |

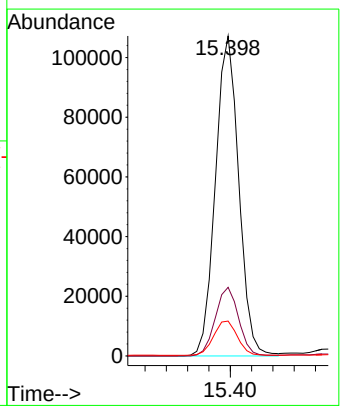


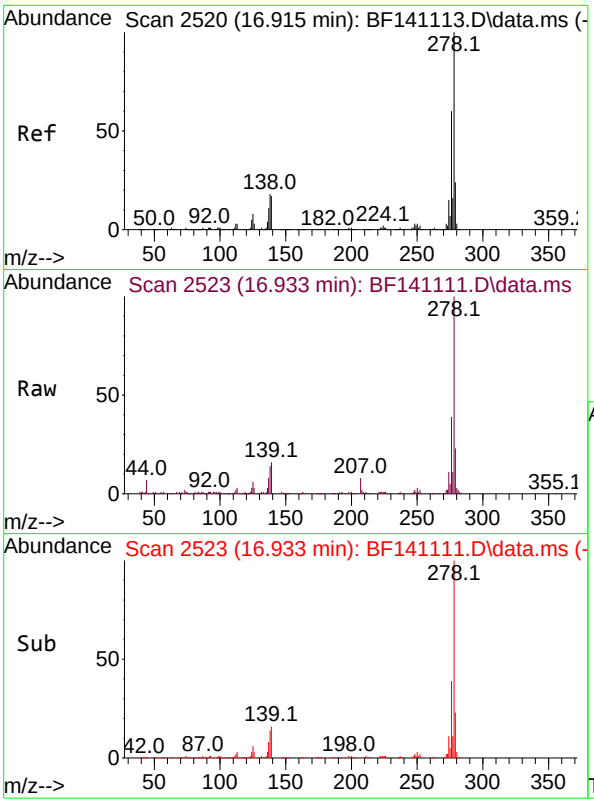




#90
Benzo(a)pyrene
Concen: 10.245 ng
RT: 15.398 min Scan# 2262
Delta R.T. 0.018 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:252 Resp: 162844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.7 | 26.5 |
| 125 | 10.9 | 9.1 | 13.7 |



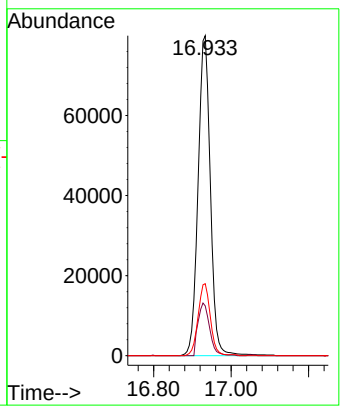


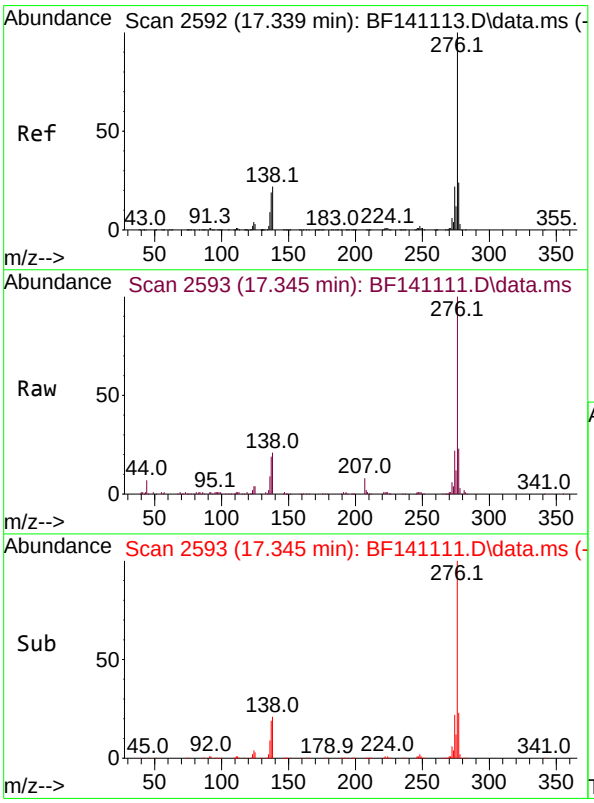

#91
Dibenzo(a,h)anthracene
Concen: 9.941 ng
RT: 16.933 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

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

Tgt Ion:278 Resp: 176005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.6 | 13.8 | 20.6 |
| 279 | 22.5 | 19.1 | 28.7 |

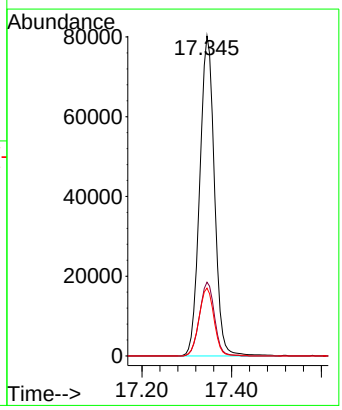



#92
Benzo(g,h,i)perylene
Concen: 9.905 ng
RT: 17.345 min Scan# 2593
Delta R.T. 0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:276 Resp: 182406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.0 | 19.0 | 28.4 |
| 138 | 21.2 | 17.4 | 26.2 |



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141112.D
Acq On : 10 Jan 2025 14:10
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jan 10 22:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 165025 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 641610 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.857 | 164 | 342827 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 590333 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.986 | 240 | 312856 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.451 | 264 | 318548 | 20.000 | ng | 0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.422 | 112 | 454711 | 42.566 | ng | 0.00 |
| 7) Phenol-d6 | 6.440 | 99 | 572898 | 42.337 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.381 | 82 | 505718 | 41.781 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.645 | 330 | 161318 | 41.297 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.181 | 172 | 965569 | 43.009 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 927987 | 44.086 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.534 | 88 | 98707 | 20.749 | ng | 99 |
| 3) Pyridine | 3.275 | 79 | 245303 | 21.028 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.210 | 42 | 117019 | 20.515 | ng | 97 |
| 6) Aniline | 6.481 | 93 | 257655 | 21.446 | ng | 100 |
| 8) 2-Chlorophenol | 6.604 | 128 | 240612 | 20.994 | ng | 97 |
| 9) Benzaldehyde | 6.369 | 77 | 171668 | 22.710 | ng | 97 |
| 10) Phenol | 6.451 | 94 | 307174 | 21.206 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 6.551 | 93 | 224939 | 20.837 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.763 | 146 | 271956 | 21.275 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.840 | 146 | 275255 | 21.369 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 6.993 | 146 | 259444 | 21.592 | ng | 96 |
| 15) Benzyl Alcohol | 6.957 | 79 | 205325 | 21.011 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098 | 45 | 319998 | 21.243 | ng | 99 |
| 17) 2-Methylphenol | 7.063 | 107 | 195053 | 21.080 | ng | 98 |
| 18) Hexachloroethane | 7.334 | 117 | 98162 | 21.073 | ng | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.228 | 70 | 166563 | 20.896 | ng | 99 |
| 20) 3+4-Methylphenols | 7.216 | 107 | 252067 | 21.593 | ng | 98 |
| 22) Acetophenone | 7.228 | 105 | 325163 | 21.318 | ng | 99 |
| 24) Nitrobenzene | 7.398 | 77 | 263687 | 20.903 | ng | 100 |
| 25) Isophorone | 7.640 | 82 | 432580 | 20.913 | ng | 99 |
| 26) 2-Nitrophenol | 7.716 | 139 | 121643 | 21.198 | ng | 99 |
| 27) 2,4-Dimethylphenol | 7.751 | 122 | 160116 | 20.686 | ng | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.851 | 93 | 275641 | 21.233 | ng | 99 |
| 29) 2,4-Dichlorophenol | 7.951 | 162 | 192733 | 20.966 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 223082 | 21.231 | ng | 99 |
| 31) Naphthalene | 8.122 | 128 | 725773 | 21.450 | ng | 99 |
| 32) Benzoic acid | 7.828 | 122 | 147997 | 19.932 | ng | 99 |
| 33) 4-Chloroaniline | 8.169 | 127 | 247958 | 21.190 | ng | 100 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 133140 | 21.028 | ng | 99 |
| 35) Caprolactam | 8.516 | 113 | 63223 | 20.967 | ng | 96 |
| 36) 4-Chloro-3-methylphenol | 8.645 | 107 | 209656 | 20.854 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 455728 | 21.136 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 455467 | 21.434 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.981 | 216 | 207159 | 21.053 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 68830 | 21.381 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 141110 | 21.263 | ng | 100 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141112.D
Acq On : 10 Jan 2025 14:10
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jan 10 22:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.128 | 196 | 143420 | 20.463 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.281 | 154 | 566930 | 21.294 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.304 | 162 | 436413 | 21.045 | ng | | 99 |
| 48) 2-Nitroaniline | 9.392 | 65 | 125270 | 20.379 | ng | | 96 |
| 49) Acenaphthylene | 9.716 | 152 | 627543 | 21.182 | ng | | 99 |
| 50) Dimethylphthalate | 9.575 | 163 | 481191 | 20.907 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.639 | 165 | 112600 | 21.038 | ng | | 99 |
| 52) Acenaphthene | 9.892 | 154 | 436615 | 21.094 | ng | | 99 |
| 53) 3-Nitroaniline | 9.804 | 138 | 114181 | 20.994 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.910 | 184 | 45746 | 17.982 | ng | # | 72 |
| 55) Dibenzofuran | 10.063 | 168 | 595943 | 21.167 | ng | | 99 |
| 56) 4-Nitrophenol | 9.951 | 139 | 87361 | 20.509 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.039 | 165 | 145002 | 21.023 | ng | | 98 |
| 58) Fluorene | 10.404 | 166 | 465998 | 21.305 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.175 | 232 | 121311 | 20.823 | ng | | 99 |
| 60) Diethylphthalate | 10.281 | 149 | 472480 | 21.028 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.398 | 204 | 227252 | 21.317 | ng | | 99 |
| 62) 4-Nitroaniline | 10.410 | 138 | 108089 | 20.305 | ng | | 98 |
| 63) Azobenzene | 10.557 | 77 | 463688 | 20.915 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198 | 70598 | 20.638 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 10.516 | 169 | 403436 | 21.188 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 140672 | 20.698 | ng | | 98 |
| 68) Hexachlorobenzene | 10.951 | 284 | 156770 | 20.721 | ng | | 99 |
| 69) Atrazine | 11.039 | 200 | 100524 | 19.607 | ng | | 100 |
| 70) Pentachlorophenol | 11.145 | 266 | 100960 | 20.837 | ng | | 98 |
| 71) Phenanthrene | 11.369 | 178 | 662092 | 20.891 | ng | | 99 |
| 72) Anthracene | 11.422 | 178 | 646616 | 20.983 | ng | | 100 |
| 73) Carbazole | 11.575 | 167 | 597025 | 21.128 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 672525 | 20.797 | ng | | 100 |
| 75) Fluoranthene | 12.557 | 202 | 651977 | 20.615 | ng | | 99 |
| 77) Benzidine | 12.680 | 184 | 96892 | 16.701 | ng | | 100 |
| 78) Pyrene | 12.786 | 202 | 651047 | 21.787 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 207563 | 20.834 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.974 | 228 | 446504 | 20.971 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.939 | 252 | 139050 | 20.510 | ng | | 100 |
| 83) Chrysene | 14.010 | 228 | 417881 | 20.975 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149 | 252397 | 21.114 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.598 | 149 | 365598 | 20.253 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.904 | 276 | 496449 | 21.272 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.027 | 252 | 410817 | 20.000 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.051 | 252 | 363482 | 20.939 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.386 | 252 | 348882 | 20.586 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.921 | 278 | 401882 | 21.291 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.339 | 276 | 429242 | 21.863 | ng | | 100 |

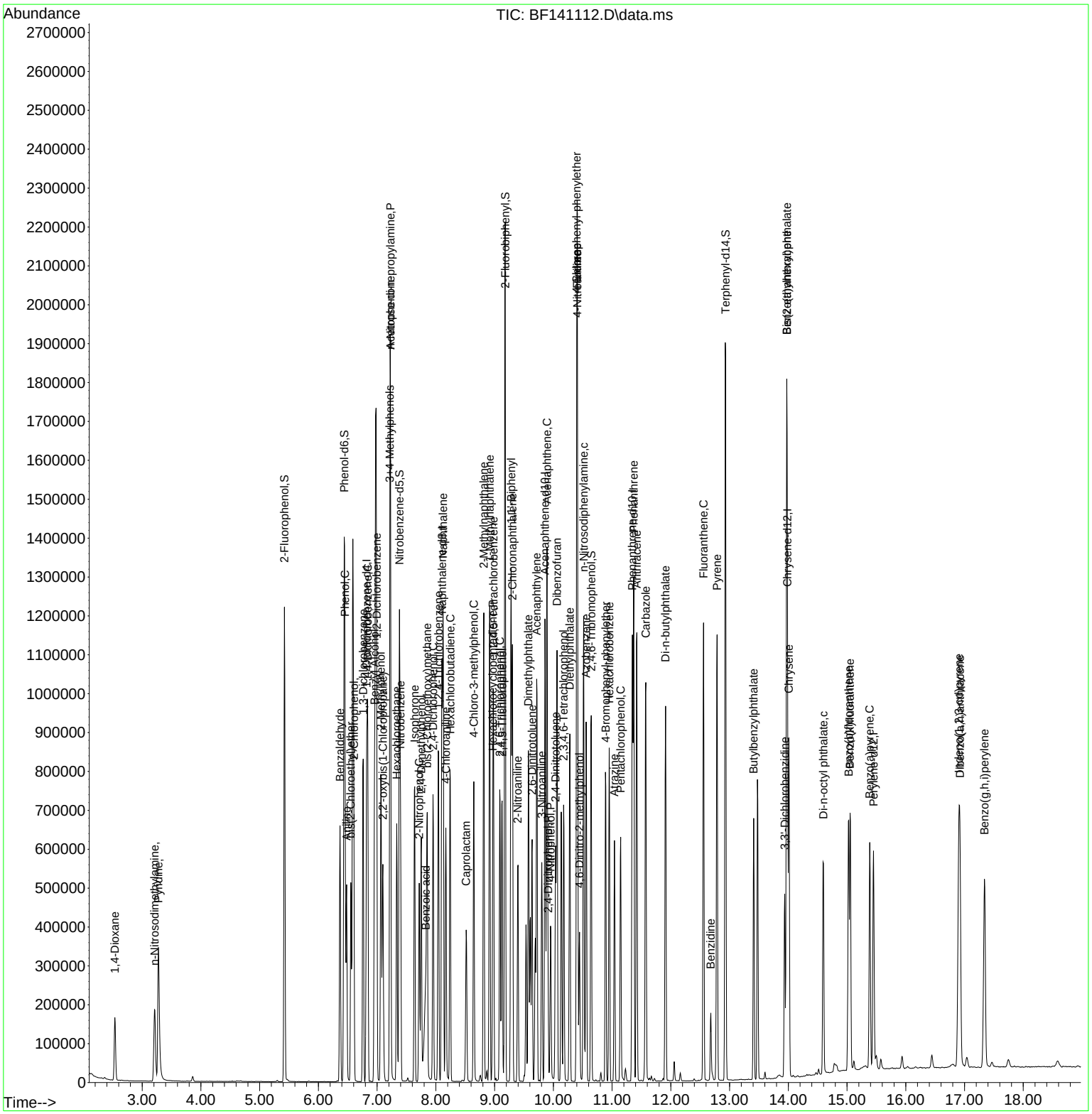
(#) = qualifier out of range (m) = manual integration (+) = signals summed

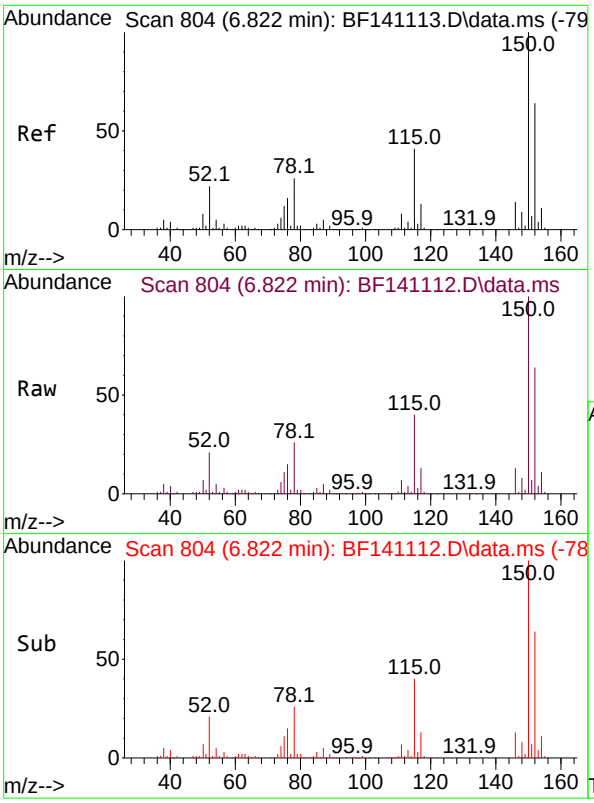
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141112.D
Acq On : 10 Jan 2025 14:10
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jan 10 22:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration



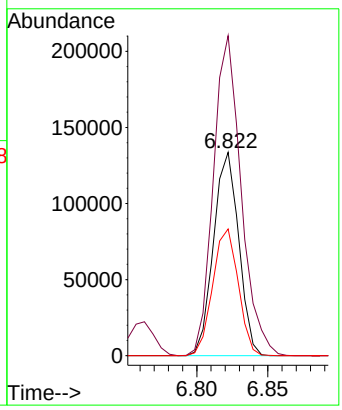


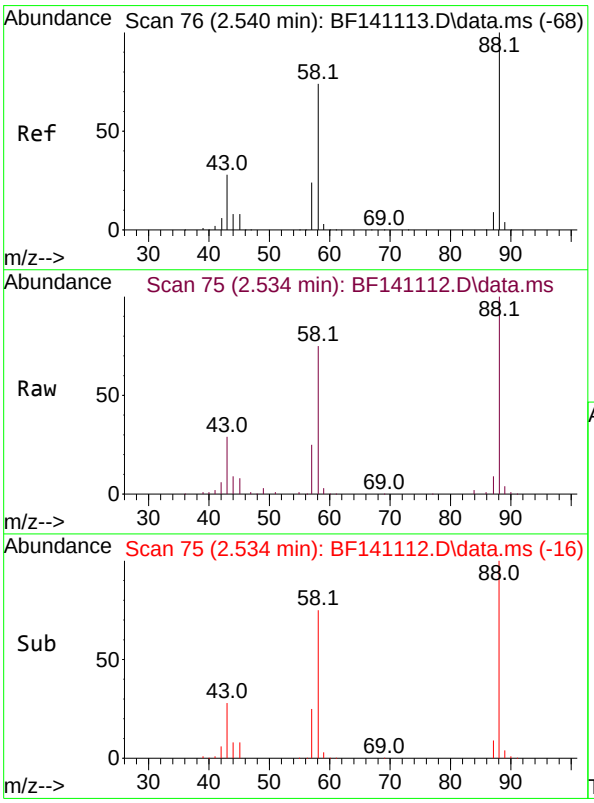

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:152 Resp: 165025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.4 | 125.8 | 188.8 |
| 115 | 62.3 | 51.4 | 77.2 |

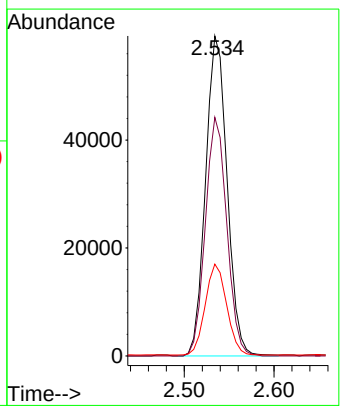


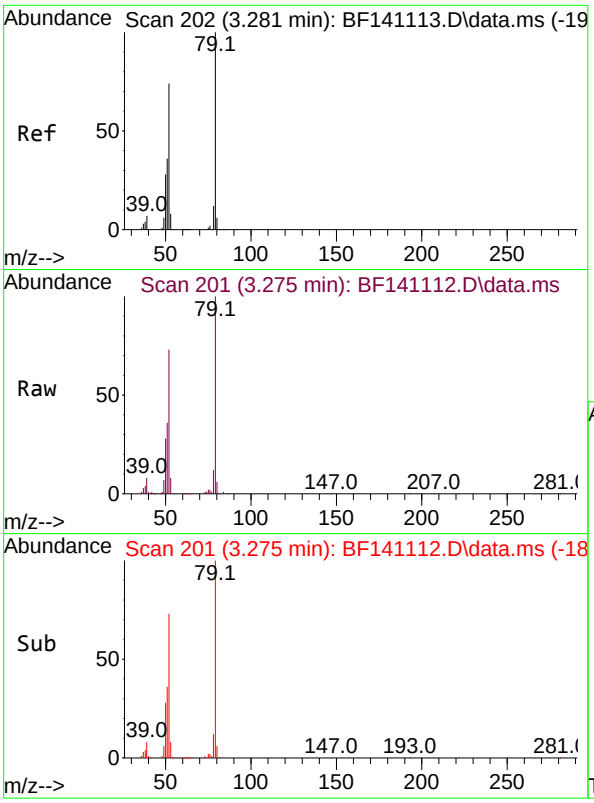




#2
1,4-Dioxane
Concen: 20.749 ng
RT: 2.534 min Scan# 75
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion: 88 Resp: 98707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.2 | 60.1 | 90.1 |
| 43 | 28.2 | 23.1 | 34.7 |



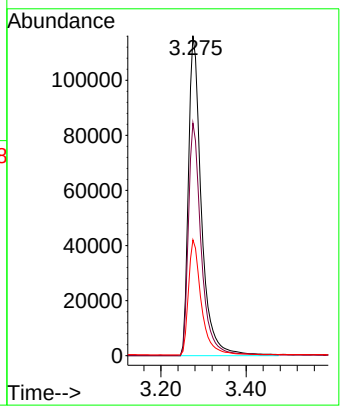


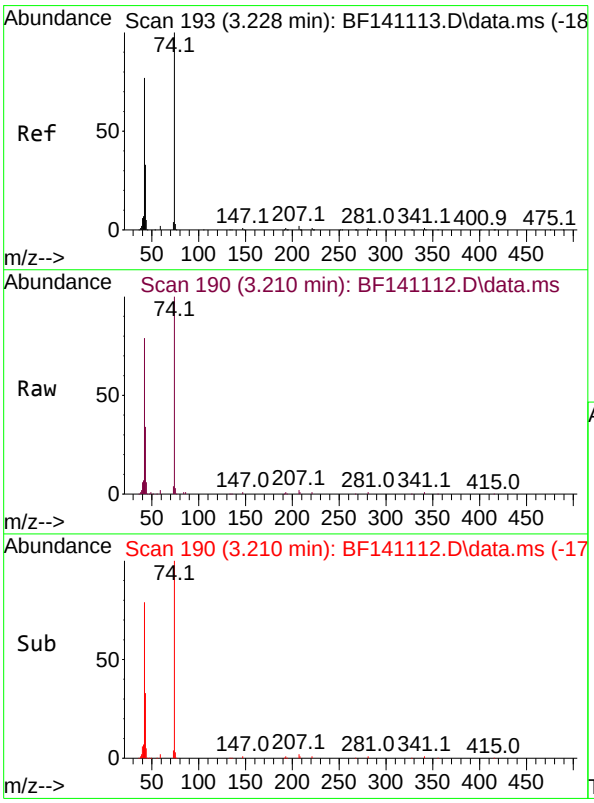

#3
Pyridine
Concen: 21.028 ng
RT: 3.275 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion: 79 Resp: 245303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 72.7 | 58.9 | 88.3 |
| 51 | 36.2 | 29.1 | 43.7 |

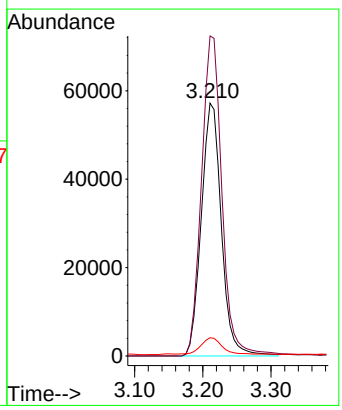


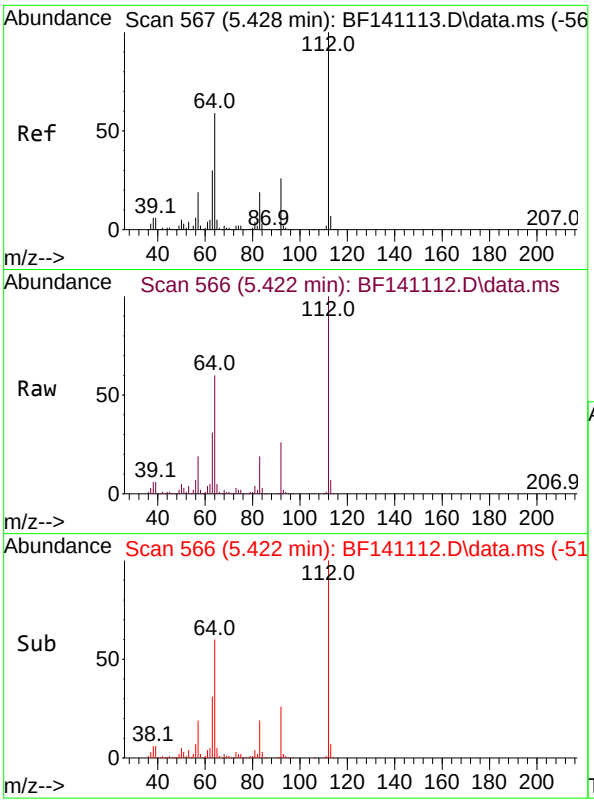




#4
n-Nitrosodimethylamine
Concen: 20.515 ng
RT: 3.210 min Scan# 190
Delta R.T. -0.018 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion: 42 Resp: 117019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 126.6 | 103.8 | 155.6 |
| 44 | 7.2 | 5.3 | 7.9 |



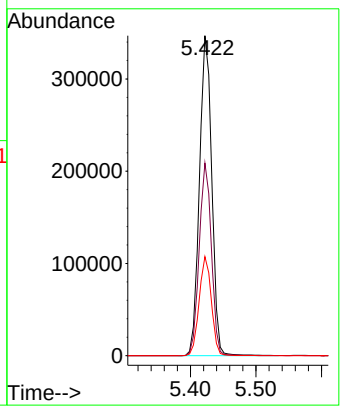


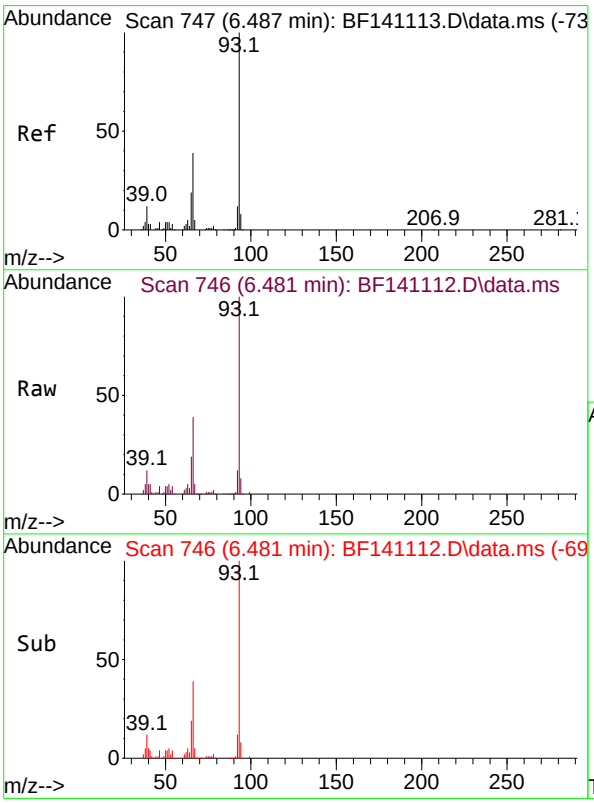

#5
2-Fluorophenol
Concen: 42.566 ng
RT: 5.422 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:112 Resp: 454711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.2 | 47.3 | 70.9 |
| 63 | 31.0 | 24.2 | 36.2 |

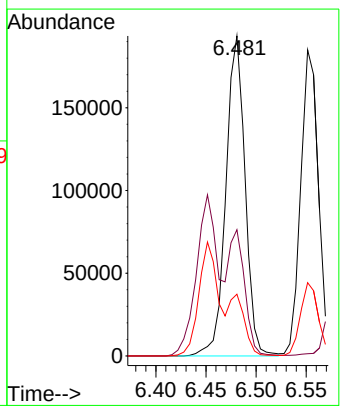


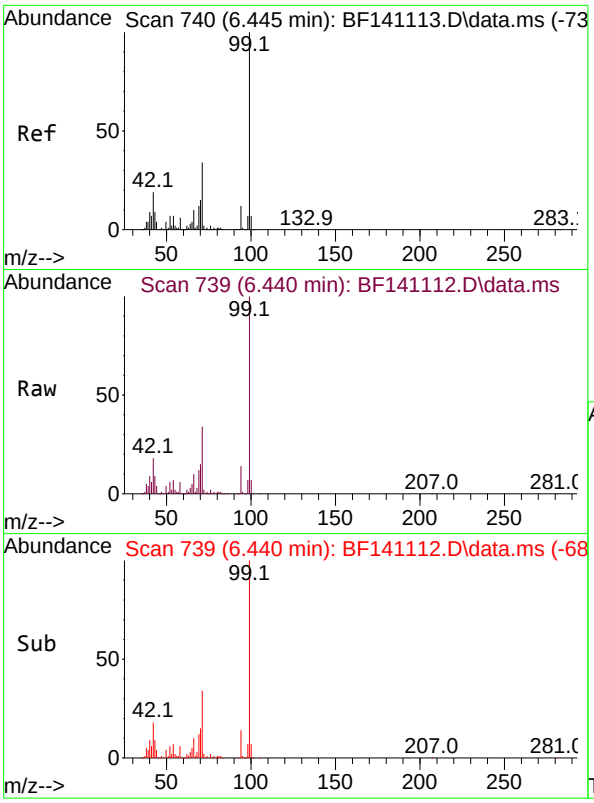




#6
Aniline
Concen: 21.446 ng
RT: 6.481 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion: 93 Resp: 257655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.5 | 31.5 | 47.3 |
| 65 | 19.3 | 15.3 | 22.9 |



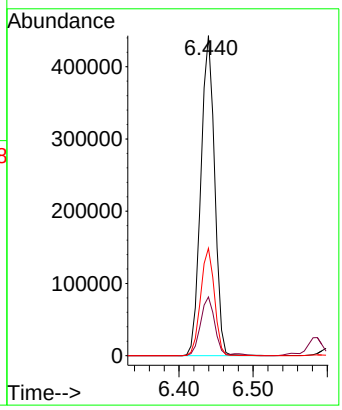


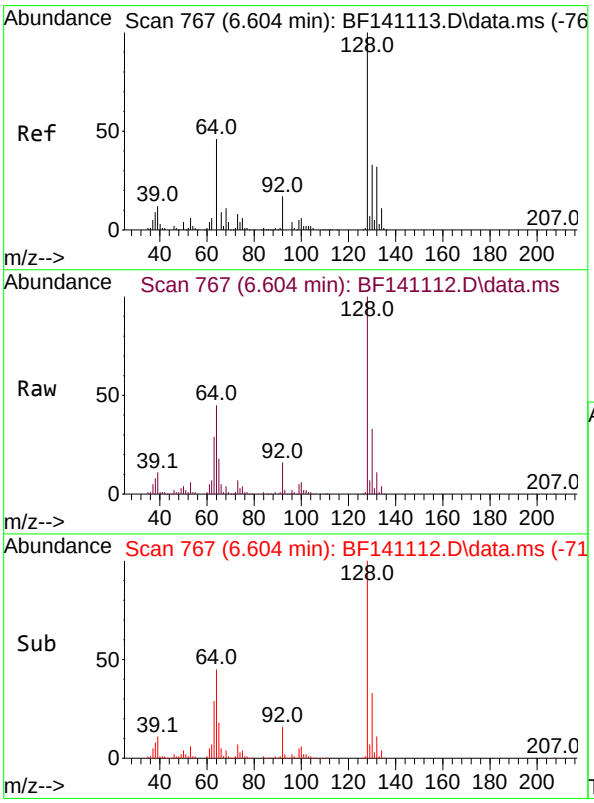

#7
Phenol-d6
Concen: 42.337 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion: 99 Resp: 572898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.4 | 15.0 | 22.4 |
| 71 | 33.6 | 27.6 | 41.4 |

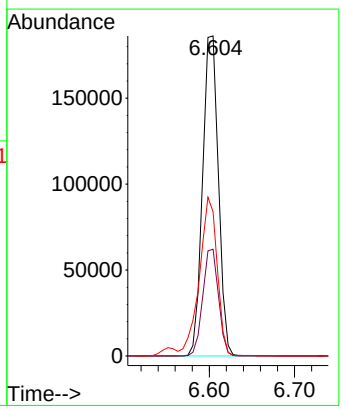


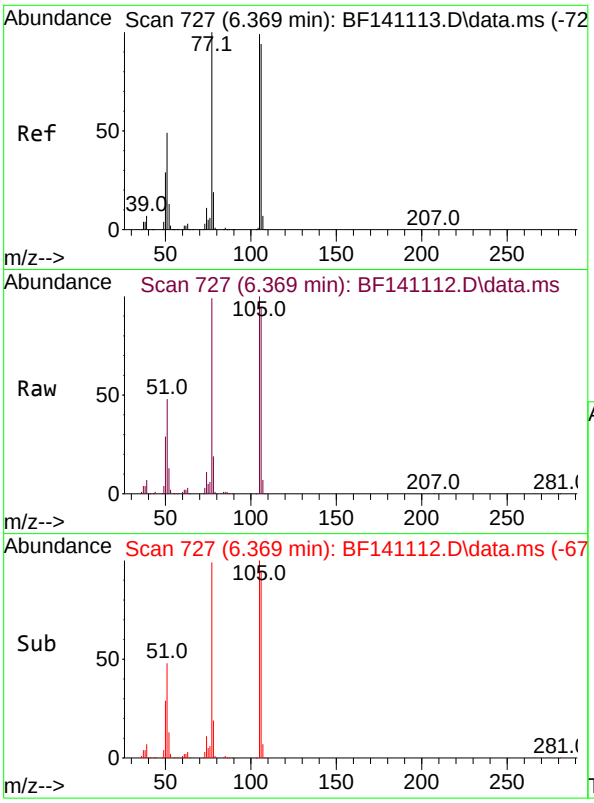




#8
2-Chlorophenol
Concen: 20.994 ng
RT: 6.604 min Scan# 767
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:128 Resp: 240612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.3 | 12.5 | 52.5 |
| 64 | 45.1 | 28.3 | 68.3 |



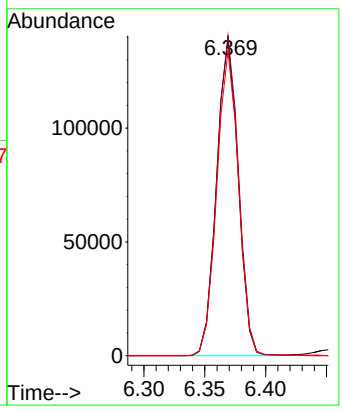


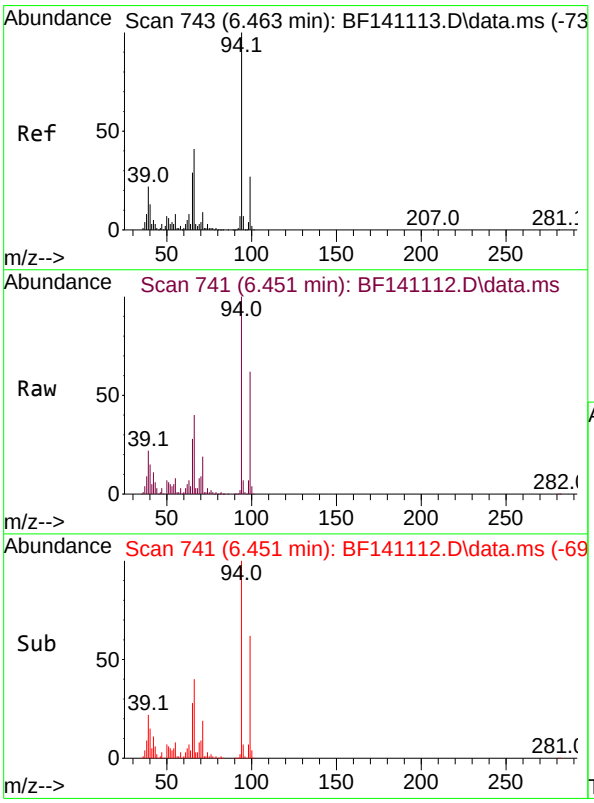

#9
Benzaldehyde
Concen: 22.710 ng
RT: 6.369 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion: 77 Resp: 171668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 101.3 | 78.9 | 118.9 |
| 106 | 96.4 | 73.6 | 113.6 |

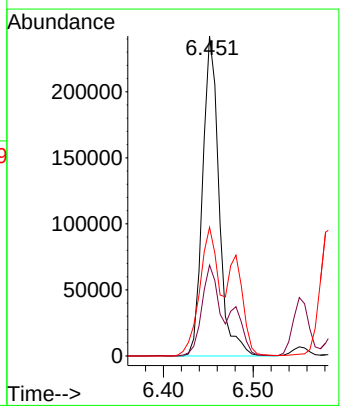


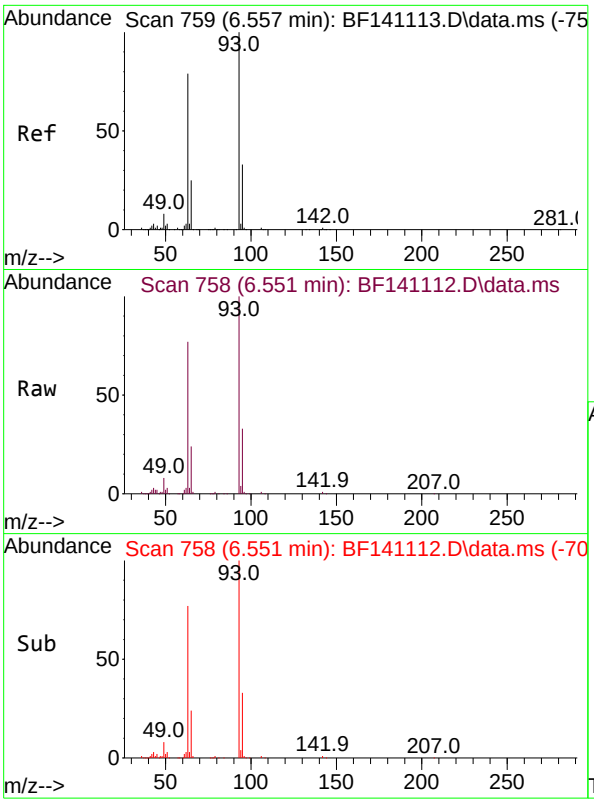




#10
Phenol
Concen: 21.206 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion: 94 Resp: 307174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.4 | 8.9 | 48.9 |
| 66 | 40.2 | 21.2 | 61.2 |



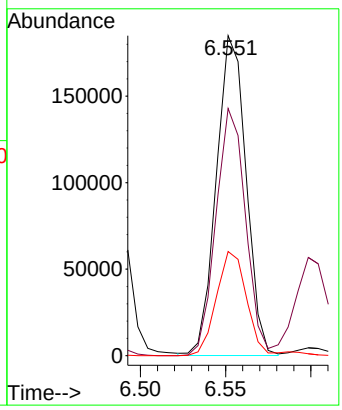


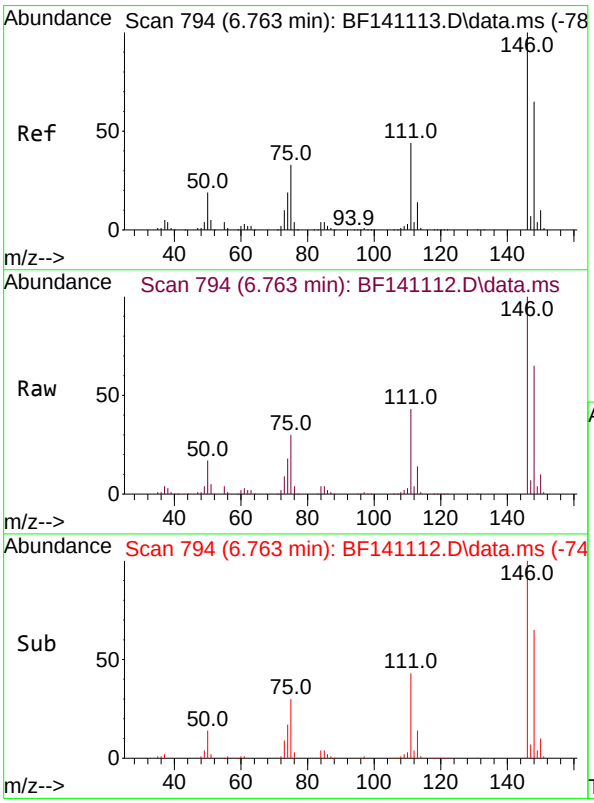

#11
bis(2-Chloroethyl)ether
Concen: 20.837 ng
RT: 6.551 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion: 93 Resp: 224939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 77.2 | 58.0 | 98.0 |
| 95 | 32.6 | 12.5 | 52.5 |

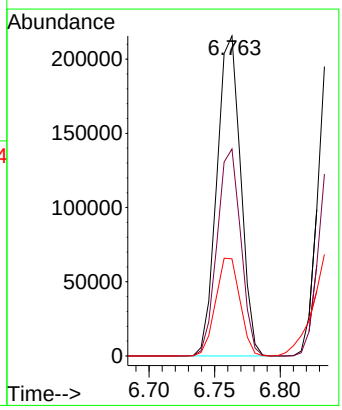


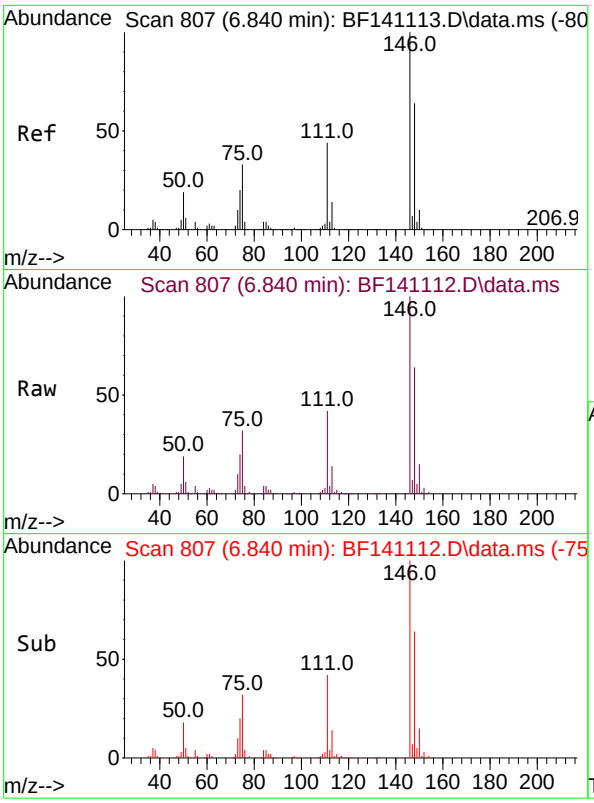




#12
1,3-Dichlorobenzene
Concen: 21.275 ng
RT: 6.763 min Scan# 794
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:146 Resp: 271956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 51.6 | 77.4 |
| 75 | 30.4 | 26.2 | 39.2 |



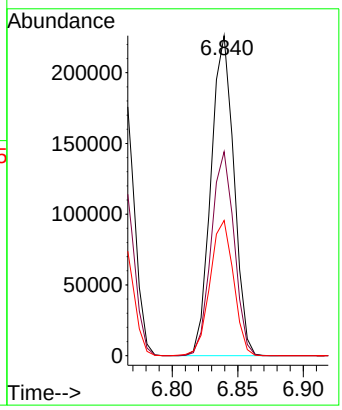


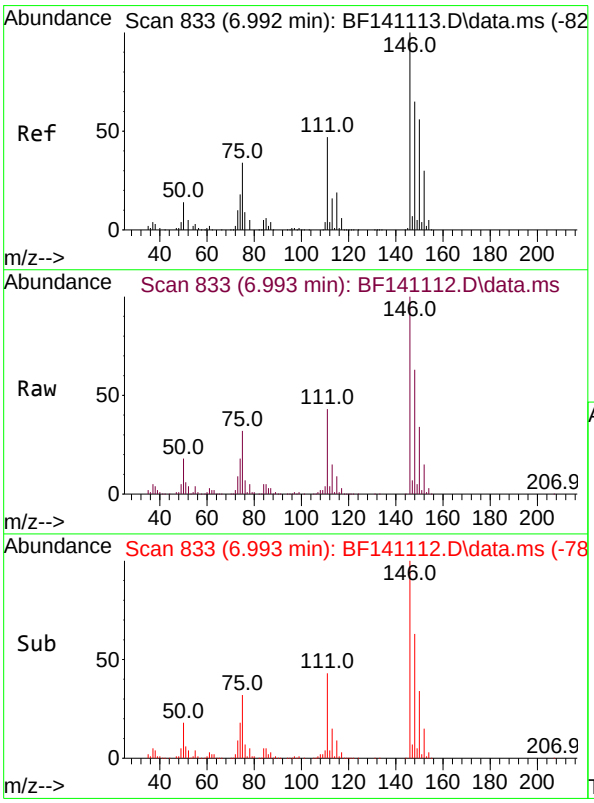

#13
1,4-Dichlorobenzene
Concen: 21.369 ng
RT: 6.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:146 Resp: 275255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.0 | 76.6 |
| 111 | 42.3 | 34.9 | 52.3 |

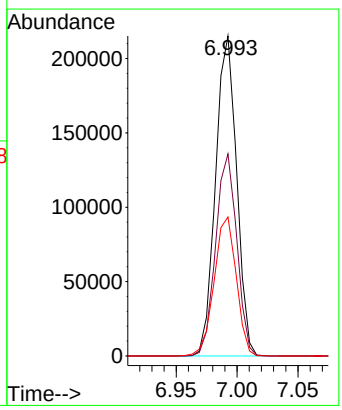


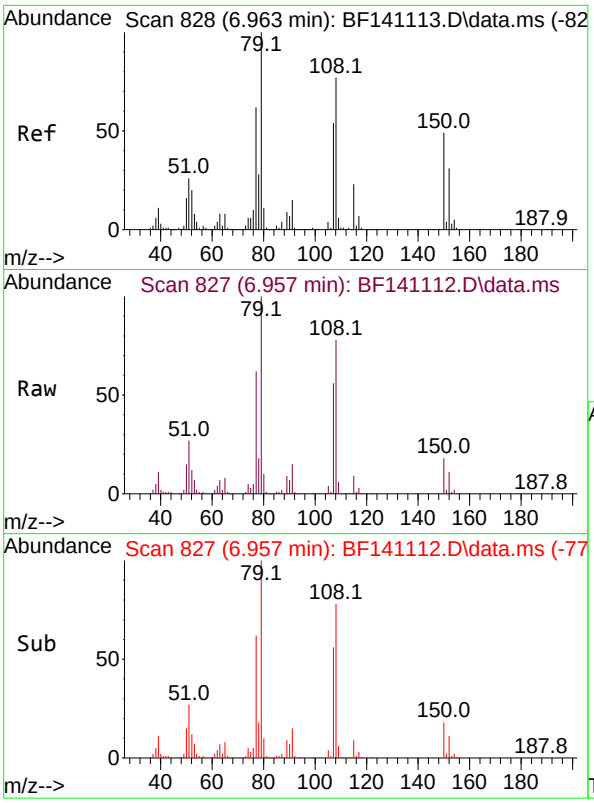




#14
1,2-Dichlorobenzene
Concen: 21.592 ng
RT: 6.993 min Scan# 833
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:146 Resp: 259444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.2 | 52.2 | 78.4 |
| 111 | 43.5 | 37.5 | 56.3 |



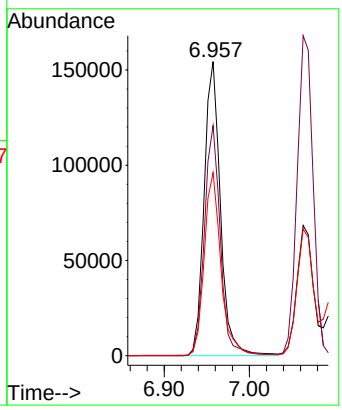


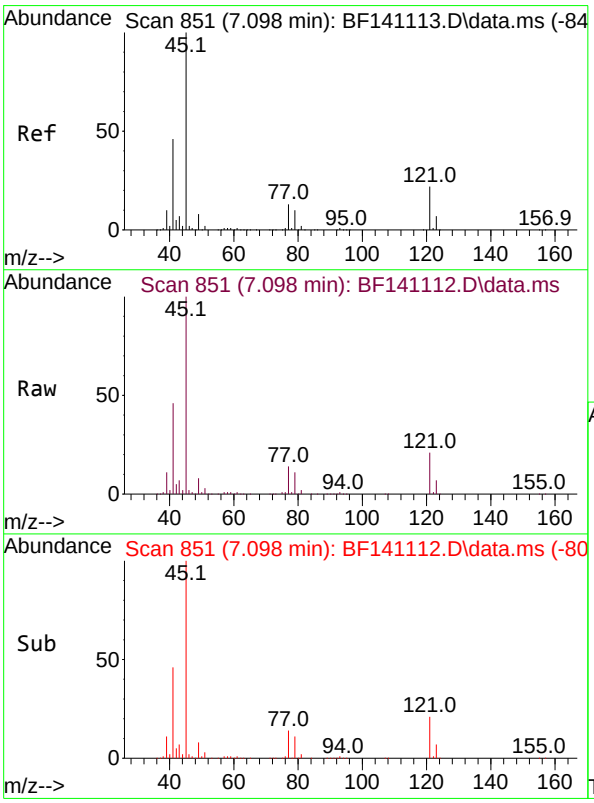

#15
Benzyl Alcohol
Concen: 21.011 ng
RT: 6.957 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion: 79 Resp: 205325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 78.2 | 61.4 | 92.0 |
| 77 | 62.2 | 49.8 | 74.6 |

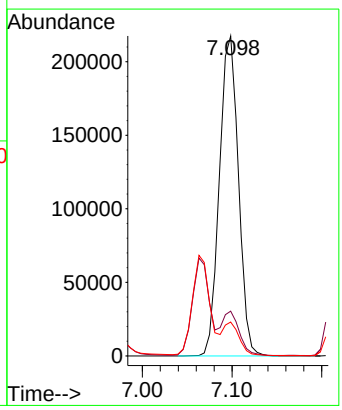


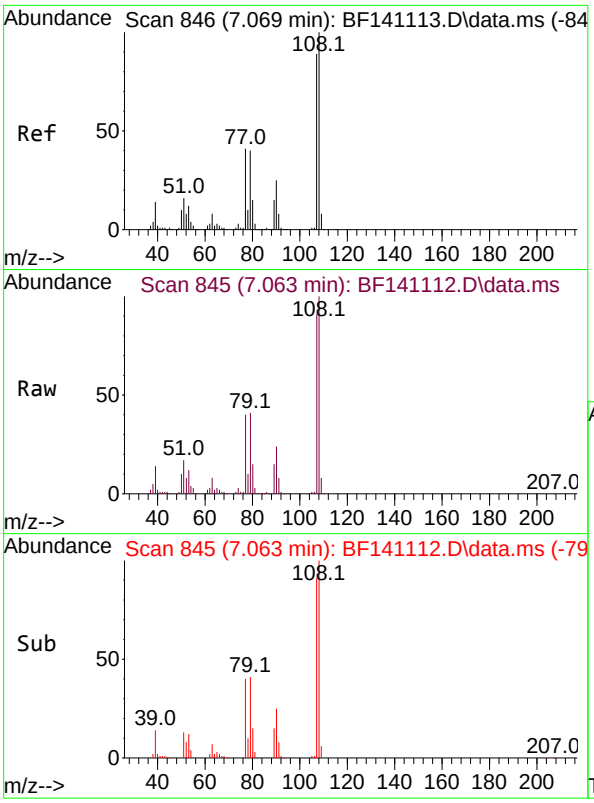




#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.243 ng
RT: 7.098 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion: 45 Resp: 319998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.0 | 0.0 | 34.1 |
| 79 | 10.6 | 0.0 | 31.0 |



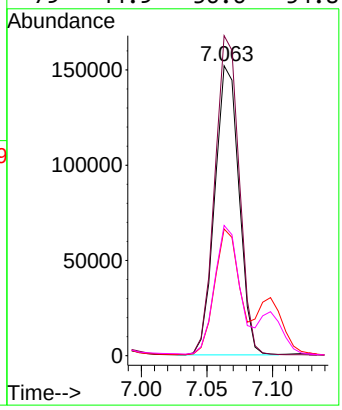


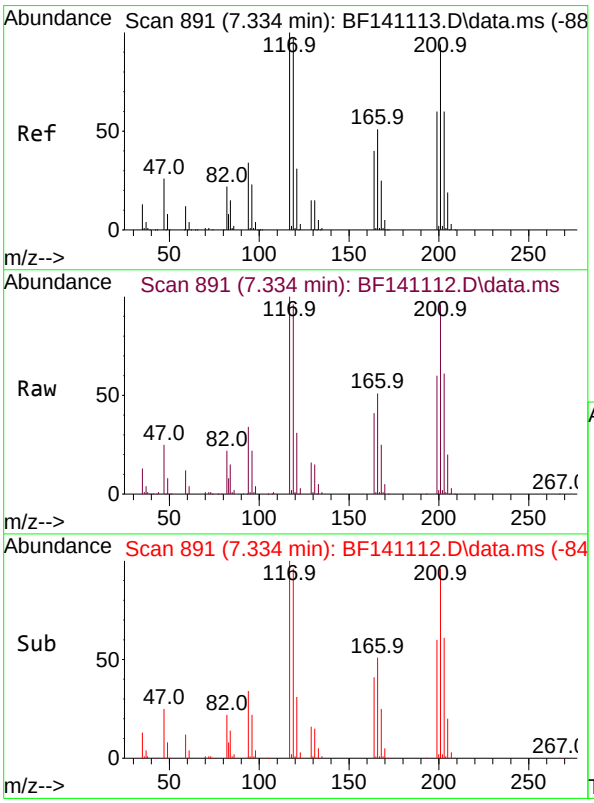

#17
2-Methylphenol
Concen: 21.080 ng
RT: 7.063 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:107 Resp: 195053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 110.4 | 90.1 | 135.1 |
| 77 | 43.7 | 36.6 | 55.0 |
| 79 | 44.9 | 36.6 | 54.8 |

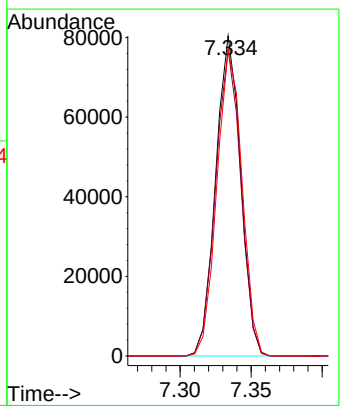


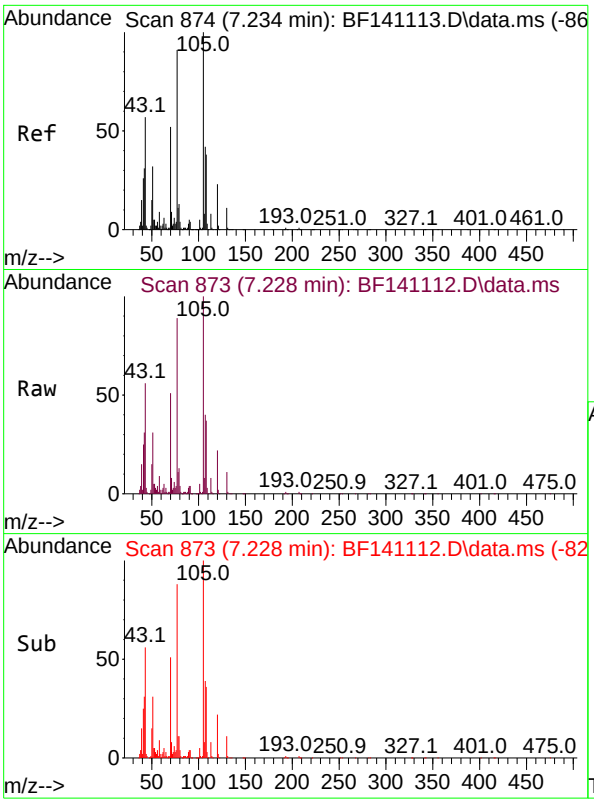




#18
Hexachloroethane
Concen: 21.073 ng
RT: 7.334 min Scan# 891
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:117 Resp: 98162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.7 | 77.6 | 116.4 |
| 201 | 95.5 | 75.1 | 112.7 |



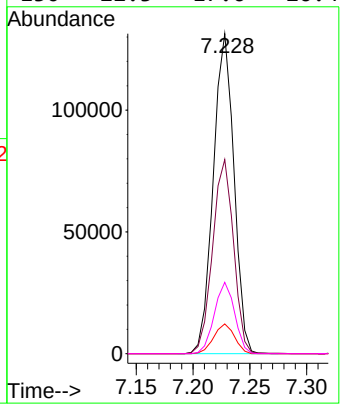


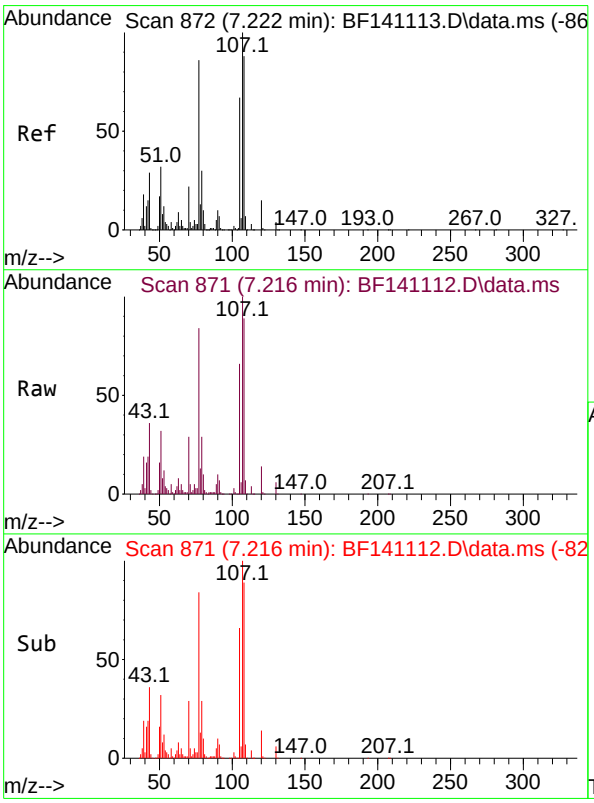

#19
n-Nitroso-di-n-propylamine
Concen: 20.896 ng
RT: 7.228 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion: 70 Resp: 166563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 60.6 | 47.8 | 71.6 |
| 101 | 9.3 | 7.9 | 11.9 |
| 130 | 22.3 | 17.6 | 26.4 |

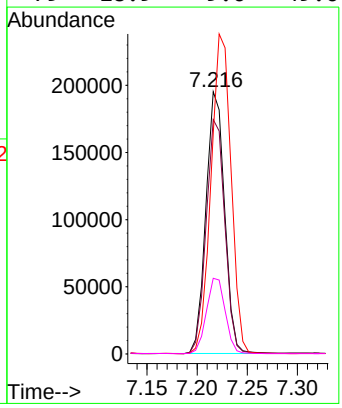


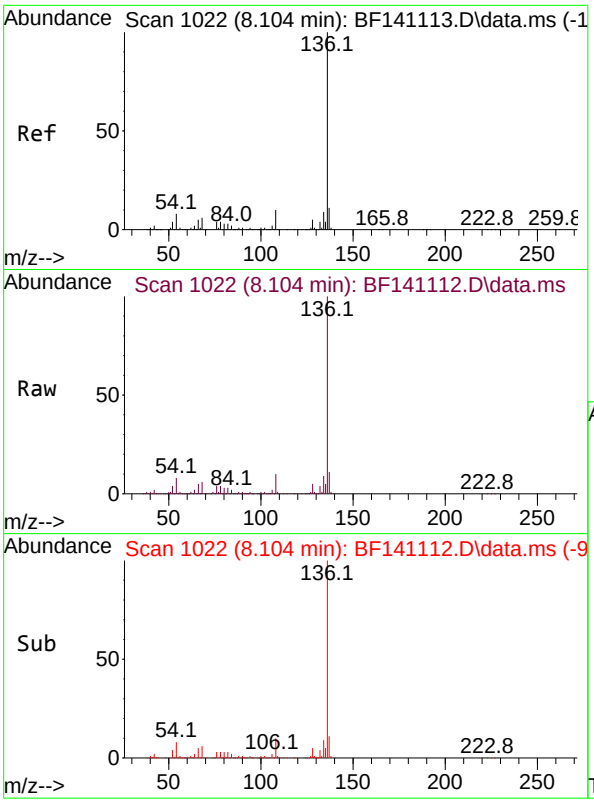




#20
3+4-Methylphenols
Concen: 21.593 ng
RT: 7.216 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:107 Resp: 252067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.4 | 68.3 | 108.3 |
| 77 | 84.1 | 66.4 | 106.4 |
| 79 | 28.9 | 9.6 | 49.6 |



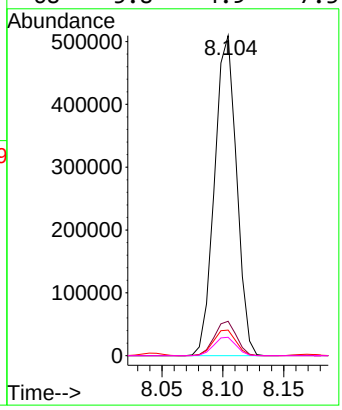


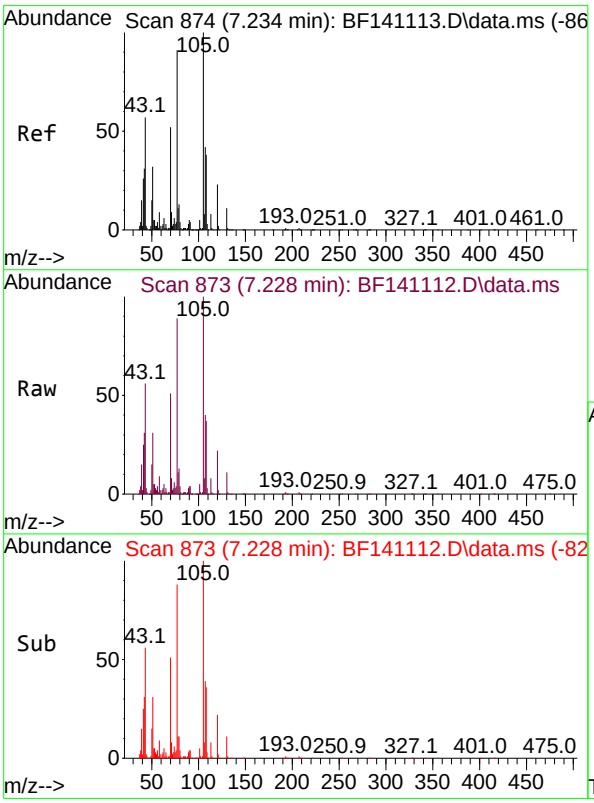

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:136 Resp: 641610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.8 | 13.2 |
| 54 | 8.0 | 6.3 | 9.5 |
| 68 | 5.8 | 4.9 | 7.3 |

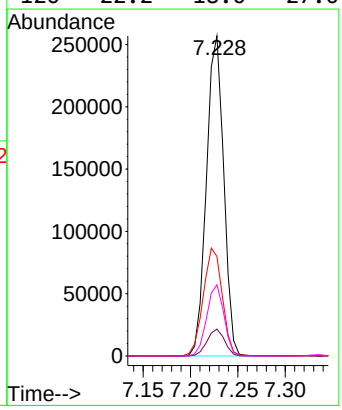


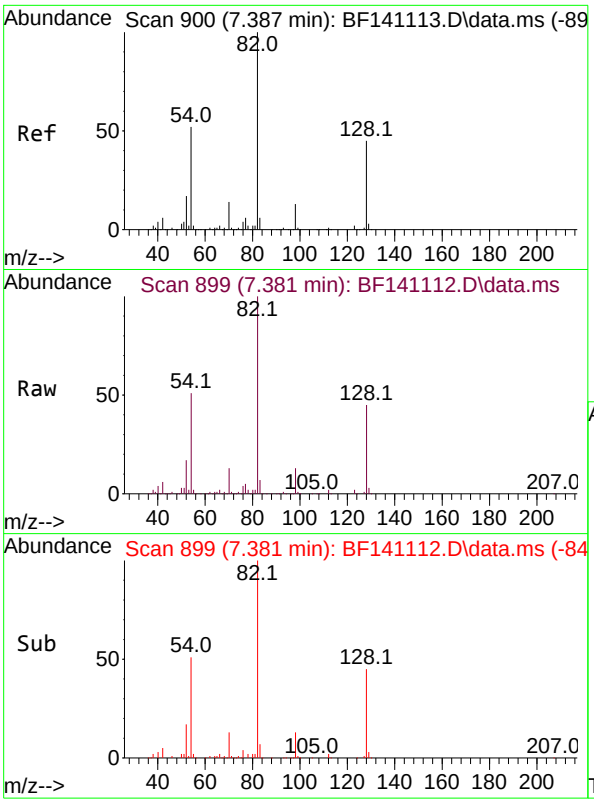




#22
Acetophenone
Concen: 21.318 ng
RT: 7.228 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:105 Resp: 325163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.4 | 7.1 | 10.7 |
| 51 | 31.1 | 25.4 | 38.2 |
| 120 | 22.2 | 18.0 | 27.0 |



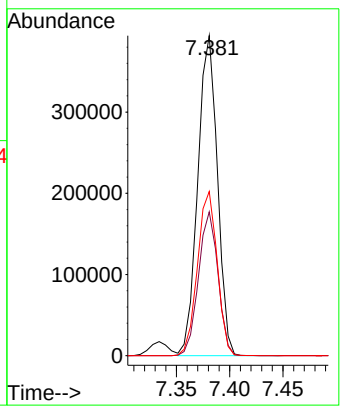


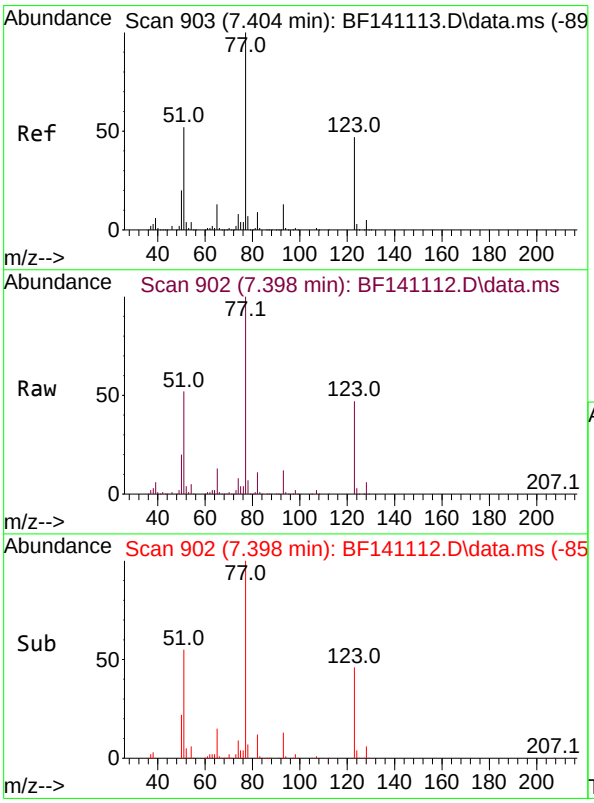

#23
Nitrobenzene-d5
Concen: 41.781 ng
RT: 7.381 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion: 82 Resp: 505718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.9 | 36.1 | 54.1 |
| 54 | 51.3 | 41.0 | 61.4 |

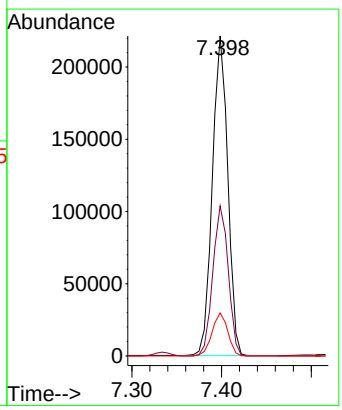


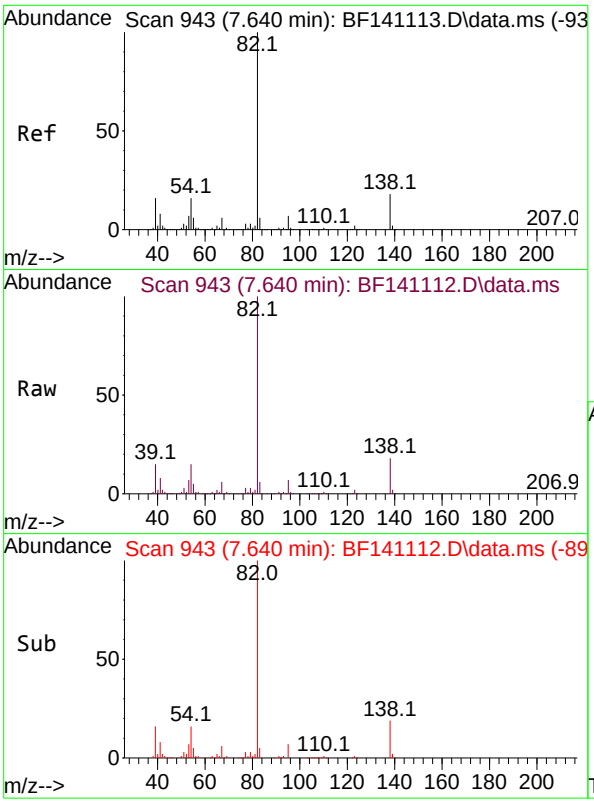




#24
Nitrobenzene
Concen: 20.903 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion: 77 Resp: 263687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.9 | 37.7 | 56.5 |
| 65 | 13.4 | 10.6 | 16.0 |



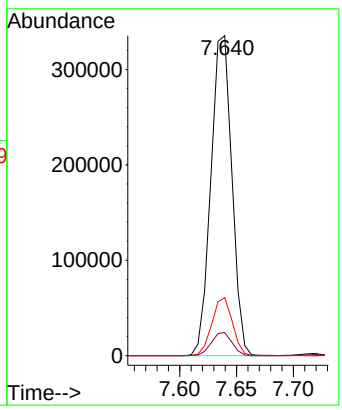


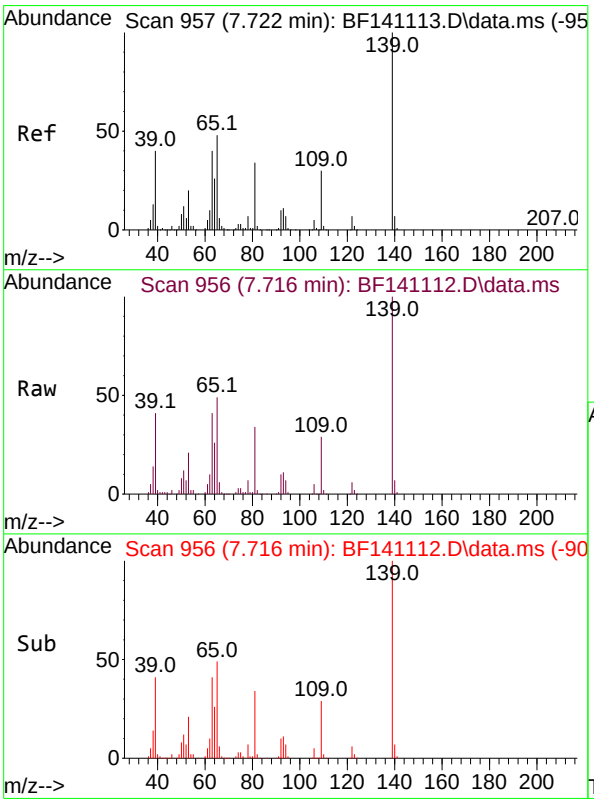

#25
Isophorone
Concen: 20.913 ng
RT: 7.640 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion: 82 Resp: 432580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.2 | 5.9 | 8.9 |
| 138 | 18.2 | 14.2 | 21.2 |

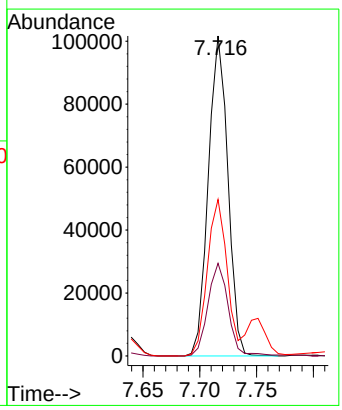


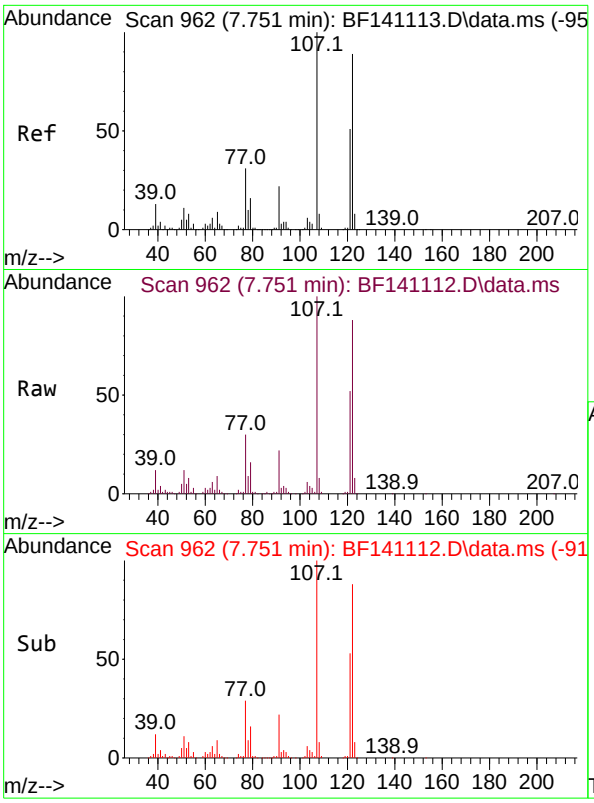




#26
2-Nitrophenol
Concen: 21.198 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:139 Resp: 121643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.0 | 23.8 | 35.6 |
| 65 | 48.9 | 38.5 | 57.7 |



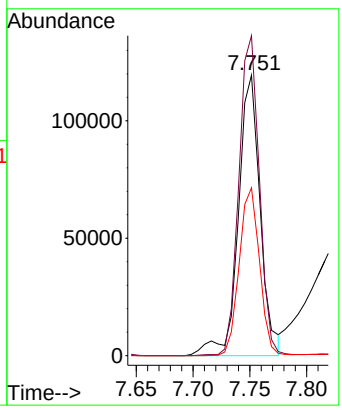


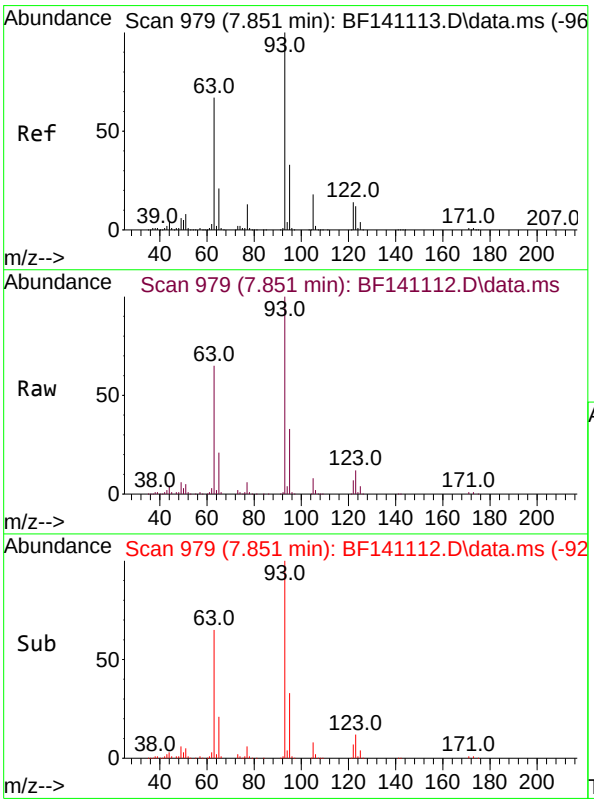

#27
2,4-Dimethylphenol
Concen: 20.686 ng
RT: 7.751 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:122 Resp: 160116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.1 | 90.3 | 135.5 |
| 121 | 59.9 | 46.5 | 69.7 |

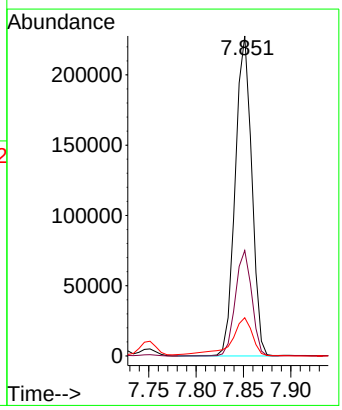


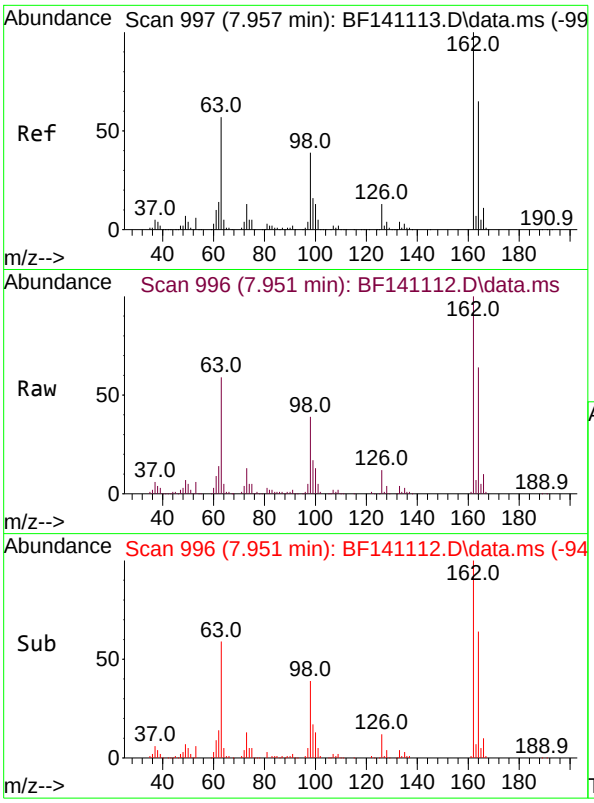




#28
bis(2-Chloroethoxy)methane
Concen: 21.233 ng
RT: 7.851 min Scan# 979
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion: 93 Resp: 275641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.9 | 26.2 | 39.4 |
| 123 | 12.0 | 10.1 | 15.1 |



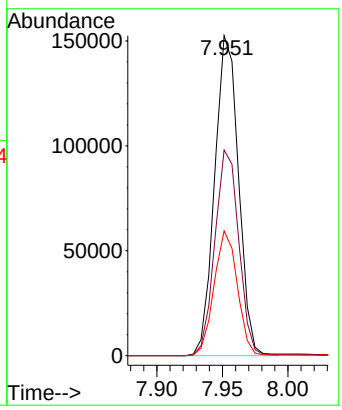


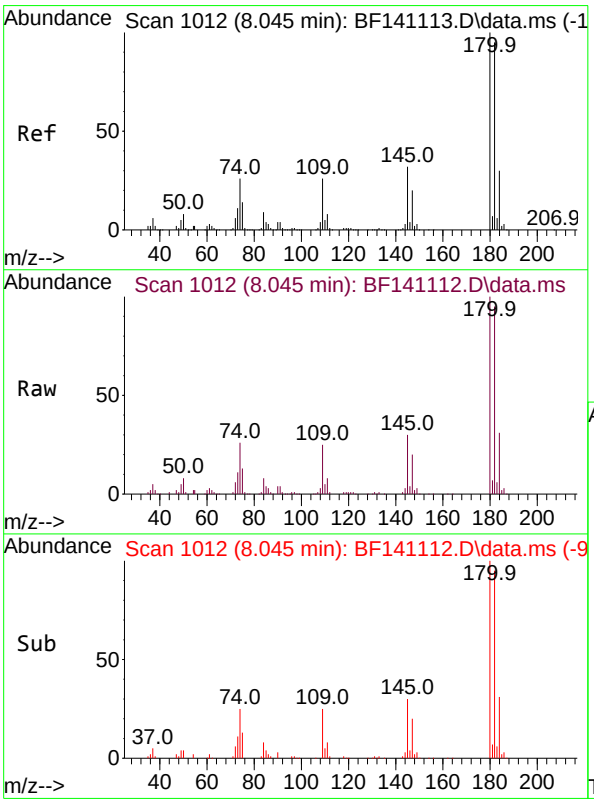

#29
2,4-Dichlorophenol
Concen: 20.966 ng
RT: 7.951 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:162 Resp: 192733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.3 | 44.5 | 84.5 |
| 98 | 39.0 | 18.5 | 58.5 |

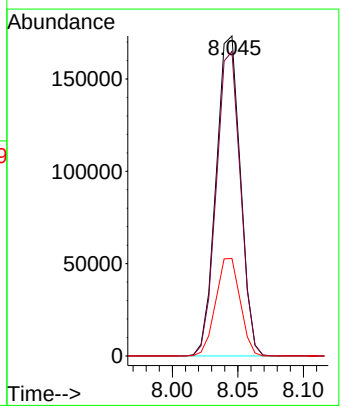


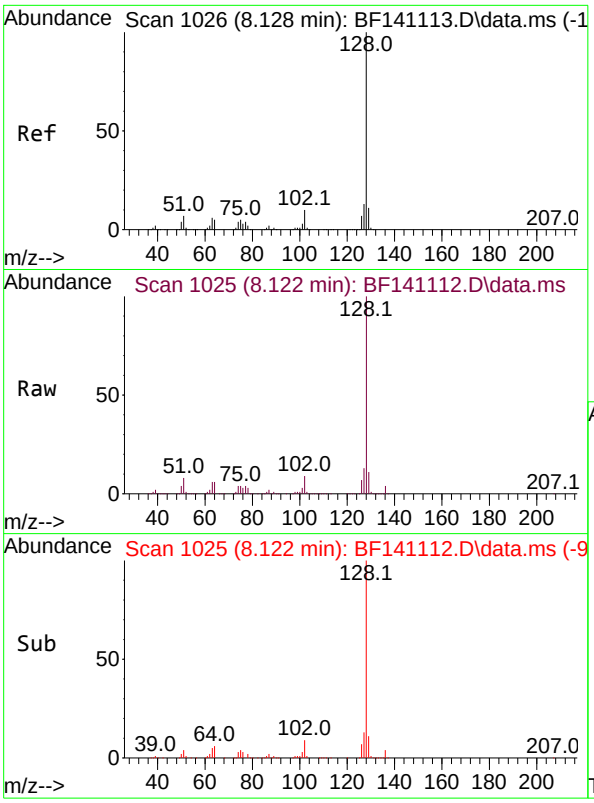




#30
1,2,4-Trichlorobenzene
Concen: 21.231 ng
RT: 8.045 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:180 Resp: 223082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 76.2 | 114.2 |
| 145 | 30.5 | 25.3 | 37.9 |



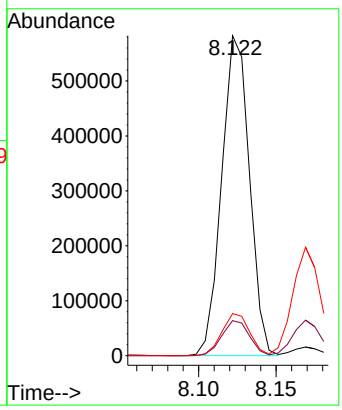


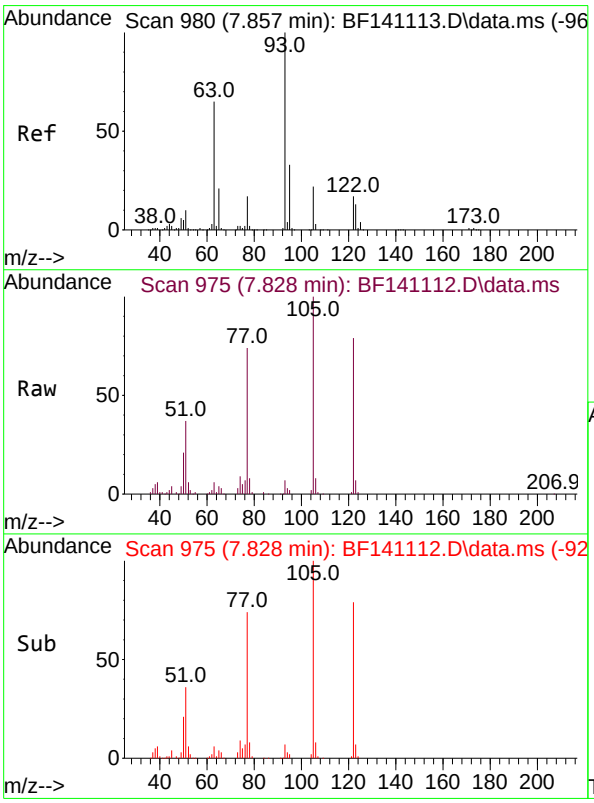

#31
Naphthalene
Concen: 21.450 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:128 Resp: 725773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 9.0 | 13.6 |
| 127 | 13.2 | 10.8 | 16.2 |

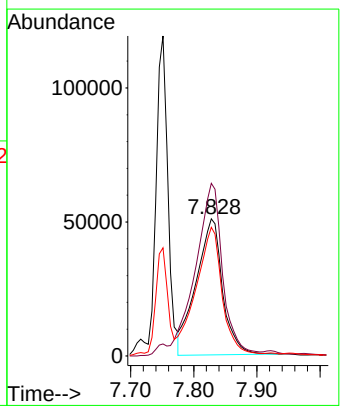


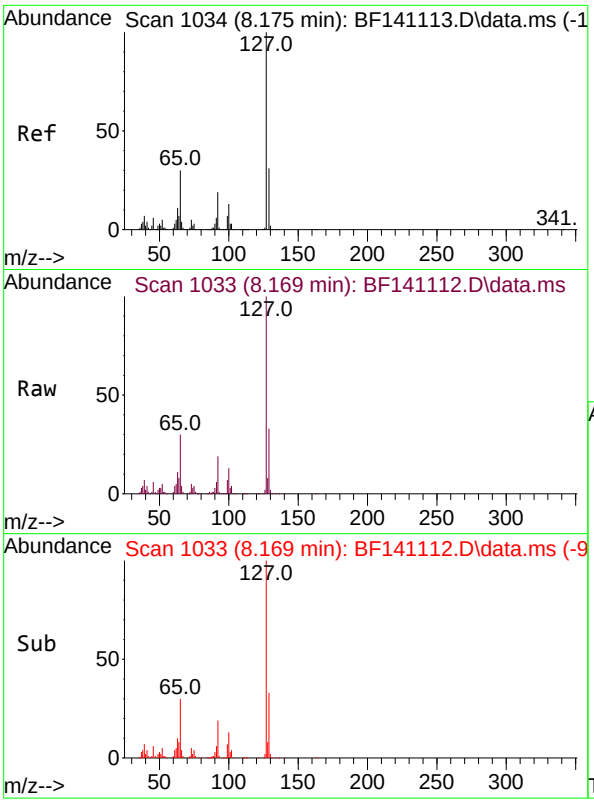




#32
Benzoic acid
Concen: 19.932 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.029 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:122 Resp: 147997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 125.9 | 105.5 | 145.5 |
| 77 | 93.7 | 75.1 | 115.1 |



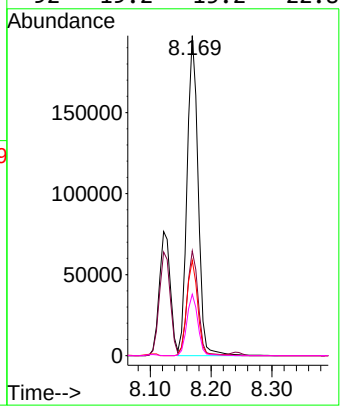


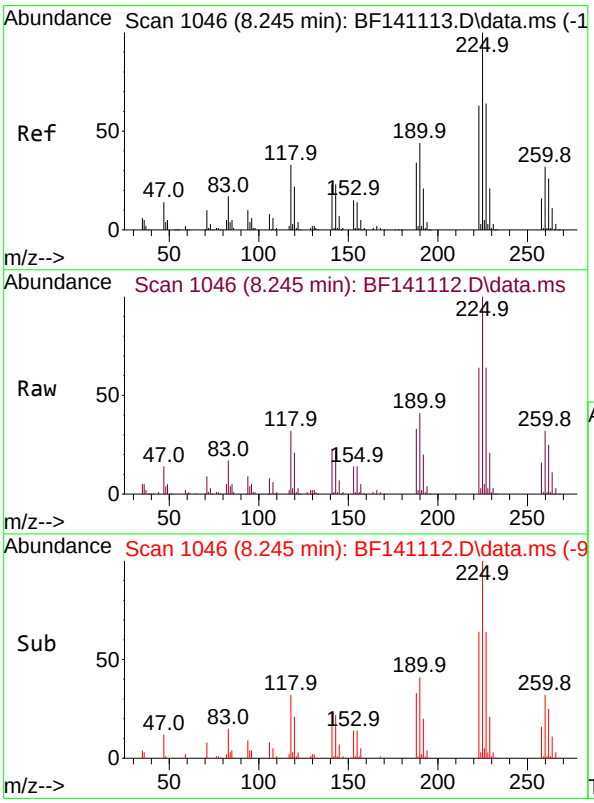

#33
4-Chloroaniline
Concen: 21.190 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:127 Resp: 247958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.7 | 25.9 | 38.9 |
| 65 | 29.7 | 23.8 | 35.8 |
| 92 | 19.2 | 15.2 | 22.8 |

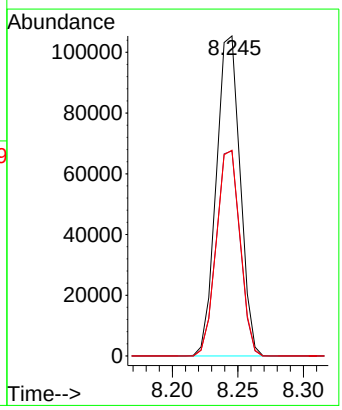


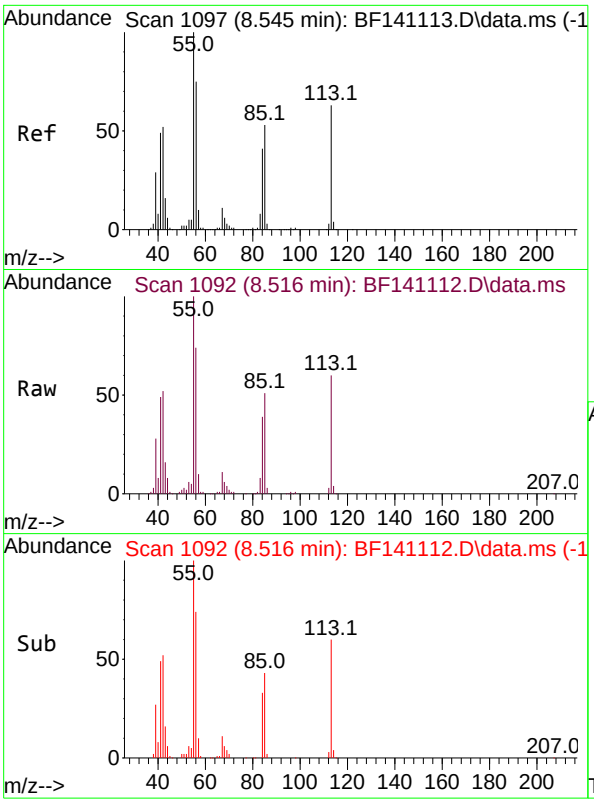




#34
Hexachlorobutadiene
Concen: 21.028 ng
RT: 8.245 min Scan# 1046
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:225 Resp: 133140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.1 | 50.6 | 76.0 |
| 227 | 64.3 | 51.6 | 77.4 |



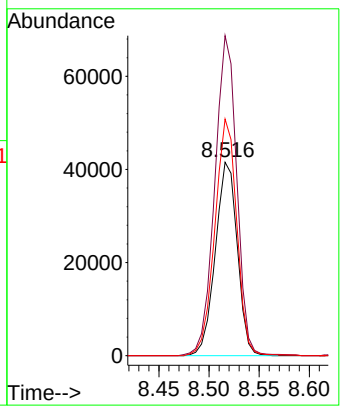


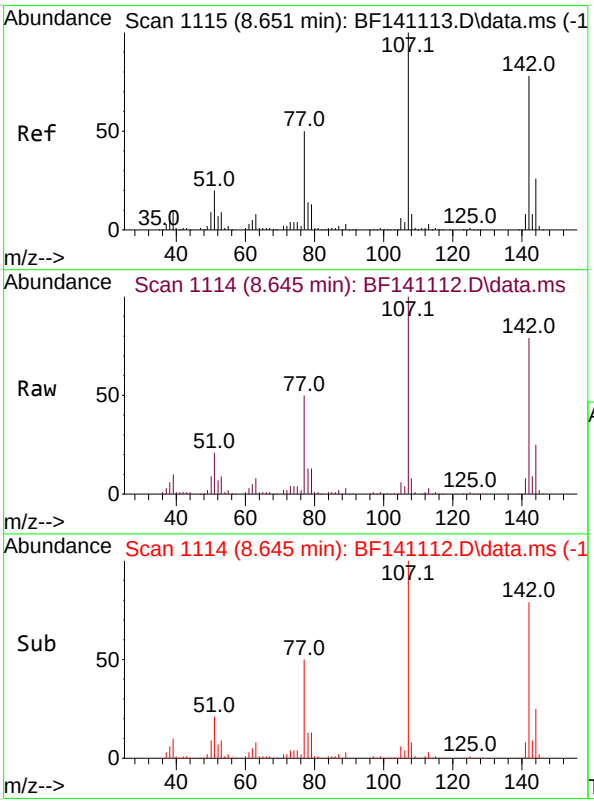

#35
Caprolactam
Concen: 20.967 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:113 Resp: 63223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 165.4 | 139.7 | 179.7 |
| 56 | 122.3 | 99.4 | 139.4 |

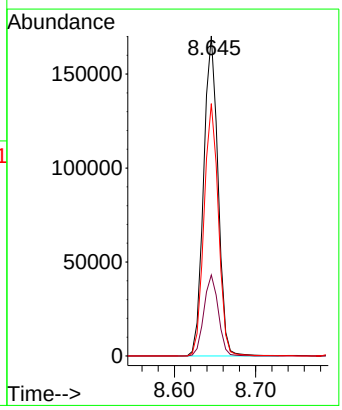


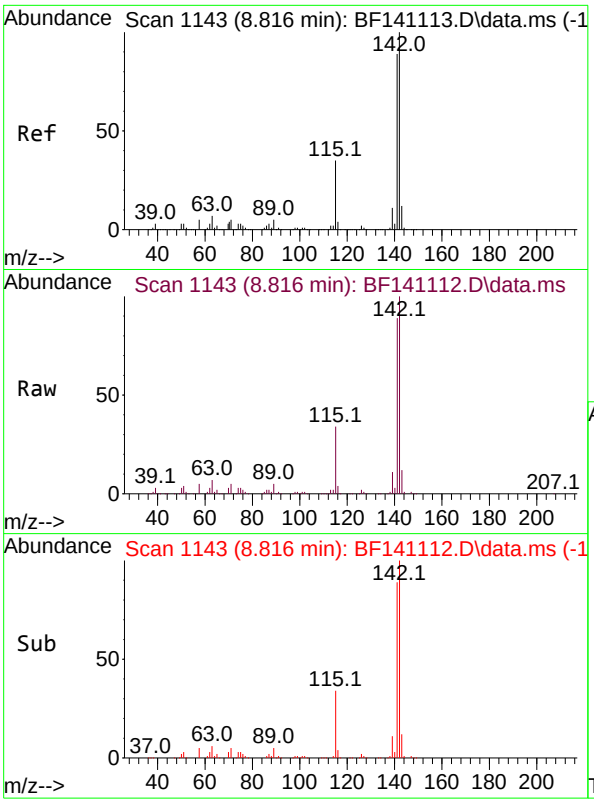




#36
4-Chloro-3-methylphenol
Concen: 20.854 ng
RT: 8.645 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:107 Resp: 209656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.3 | 20.4 | 30.6 |
| 142 | 78.8 | 62.2 | 93.2 |



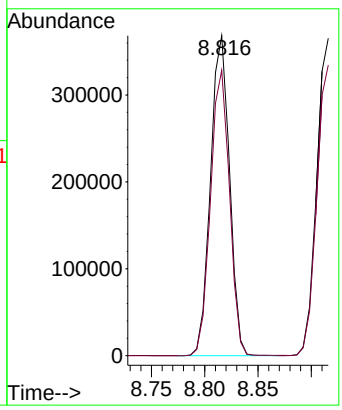


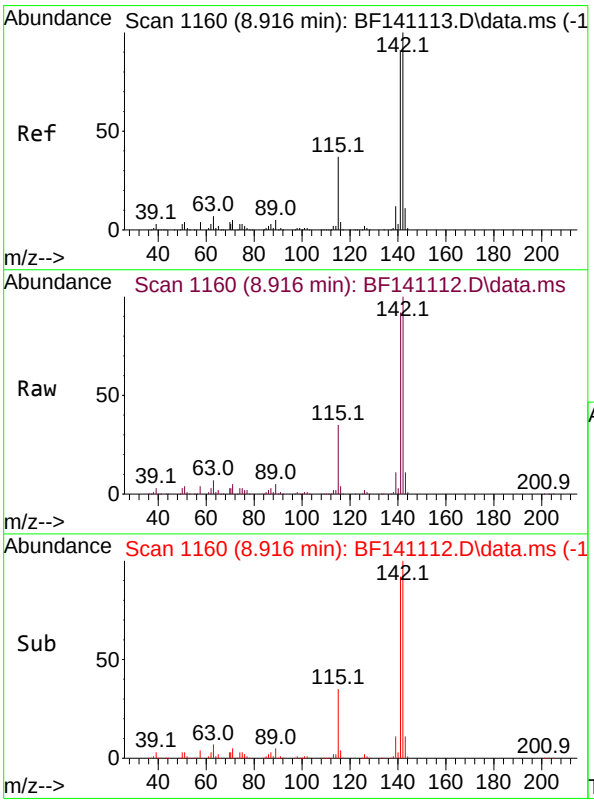

#37
2-Methylnaphthalene
Concen: 21.136 ng
RT: 8.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:142 Resp: 455728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.2 | 71.3 | 106.9 |

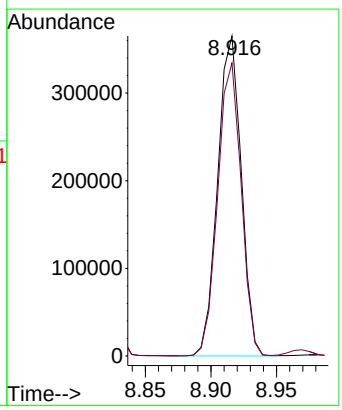


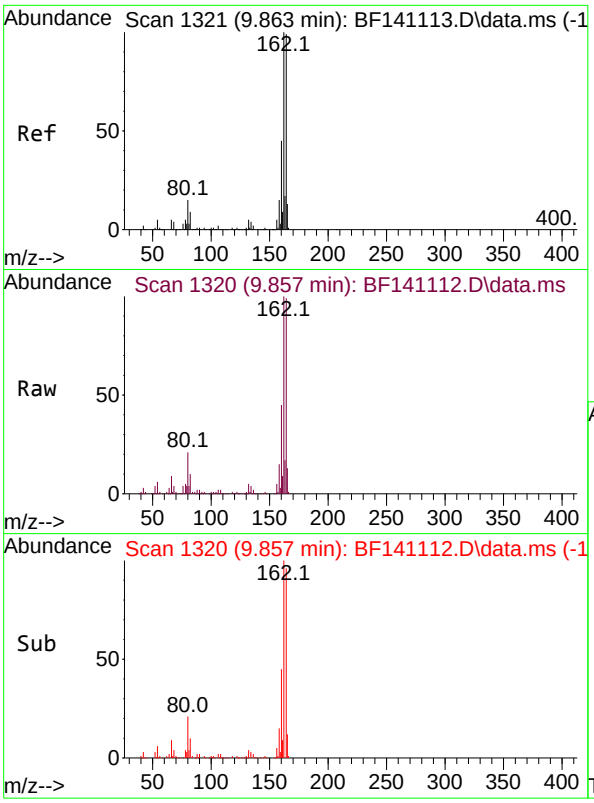




#38
1-Methylnaphthalene
Concen: 21.434 ng
RT: 8.916 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:142 Resp: 455467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.5 | 73.1 | 109.7 |



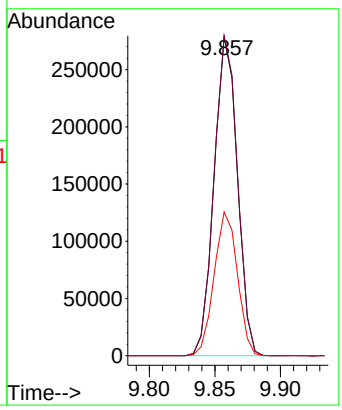


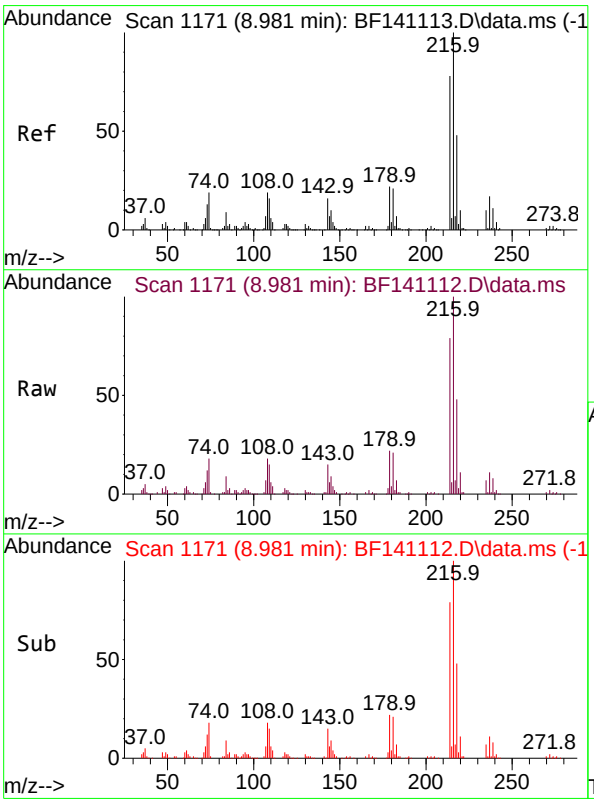

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:164 Resp: 342827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.5 | 81.0 | 121.4 |
| 160 | 45.1 | 36.1 | 54.1 |

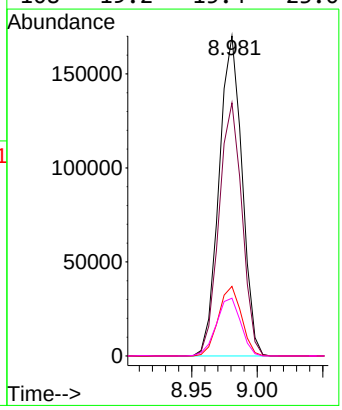


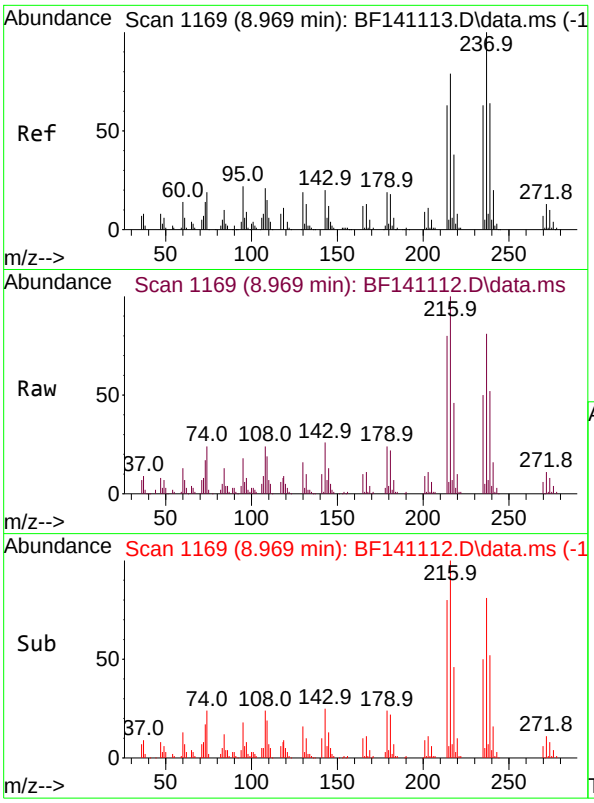




#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.053 ng
RT: 8.981 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:216 Resp: 207159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.1 | 62.6 | 94.0 |
| 179 | 21.8 | 17.7 | 26.5 |
| 108 | 19.2 | 15.4 | 23.0 |



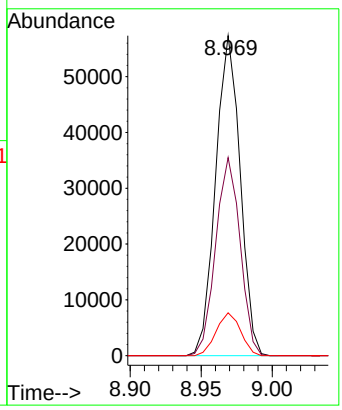


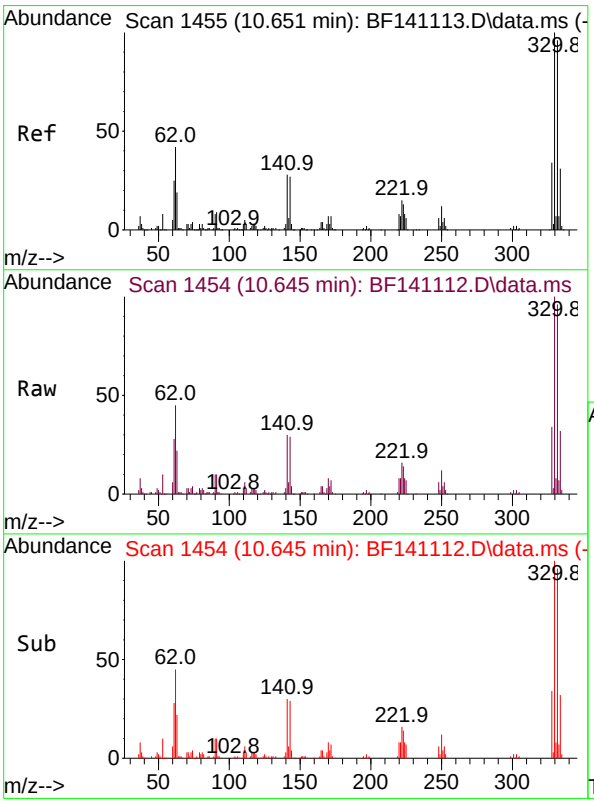

#41
Hexachlorocyclopentadiene
Concen: 21.381 ng
RT: 8.969 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:237 Resp: 68830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.9 | 43.0 | 83.0 |
| 272 | 13.4 | 0.0 | 33.0 |

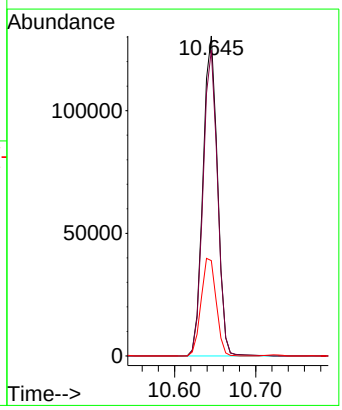


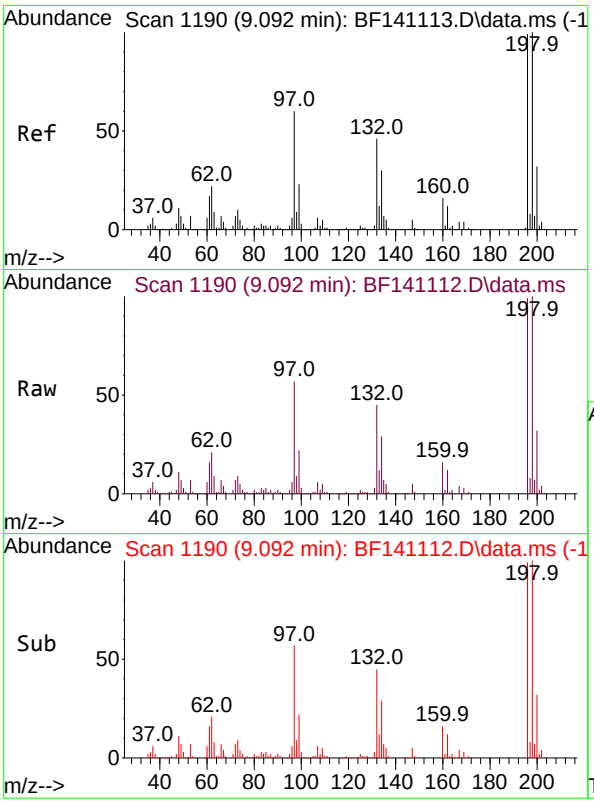




#42
2,4,6-Tribromophenol
Concen: 41.297 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:330 Resp: 161318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.6 | 76.9 | 115.3 |
| 141 | 31.8 | 25.2 | 37.8 |



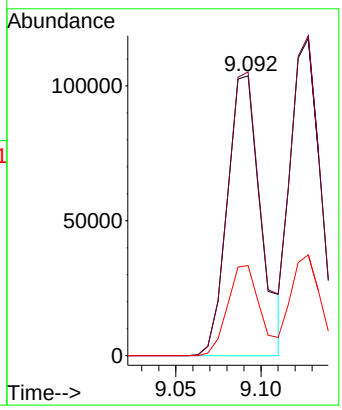


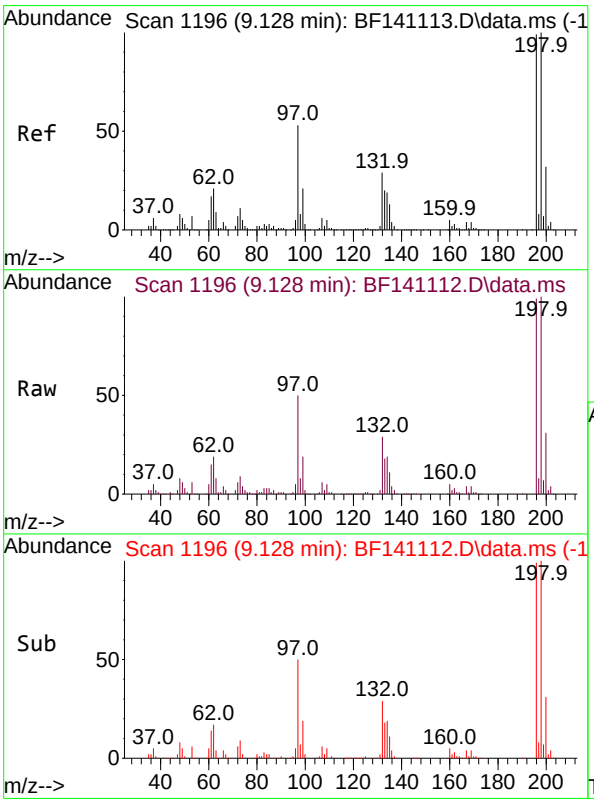

#43
2,4,6-Trichlorophenol
Concen: 21.263 ng
RT: 9.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:196 Resp: 141110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.3 | 80.8 | 121.2 |
| 200 | 32.2 | 25.7 | 38.5 |

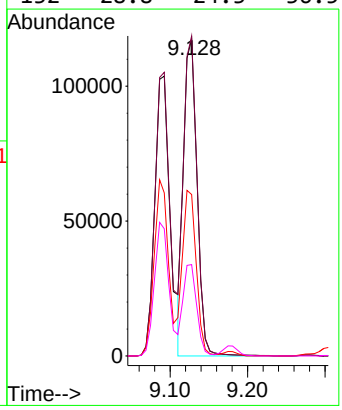


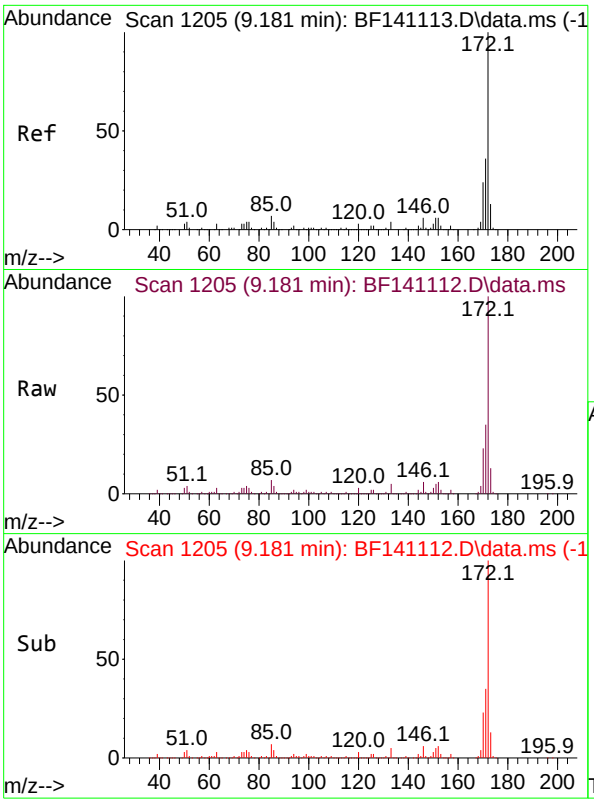




#44
2,4,5-Trichlorophenol
Concen: 20.463 ng
RT: 9.128 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:196 Resp: 143420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.8 | 80.6 | 120.8 |
| 97 | 50.9 | 43.1 | 64.7 |
| 132 | 28.8 | 24.3 | 36.5 |



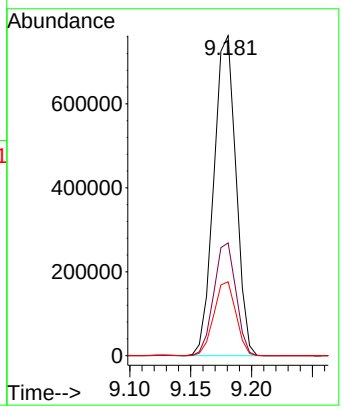


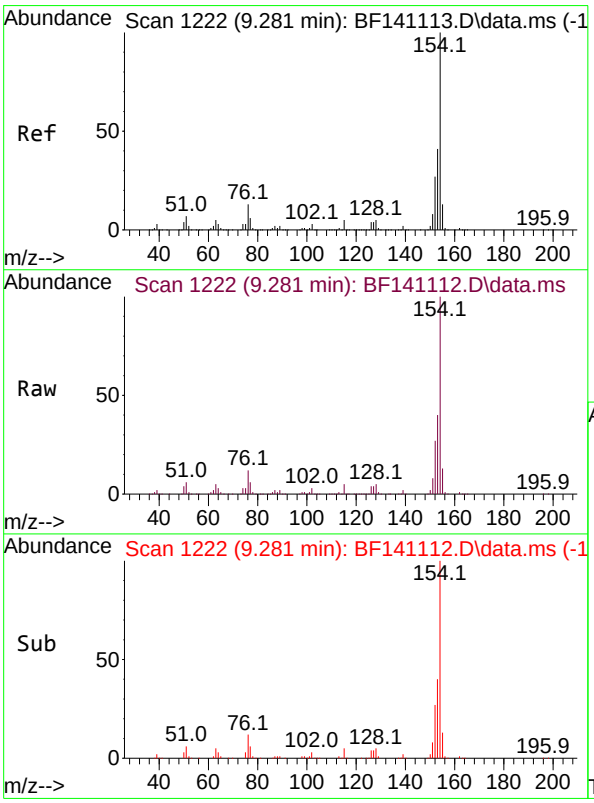

#45
2-Fluorobiphenyl
Concen: 43.009 ng
RT: 9.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:172 Resp: 965569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.7 | 43.1 |
| 170 | 23.1 | 19.0 | 28.6 |

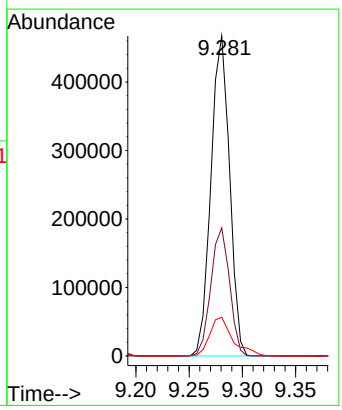


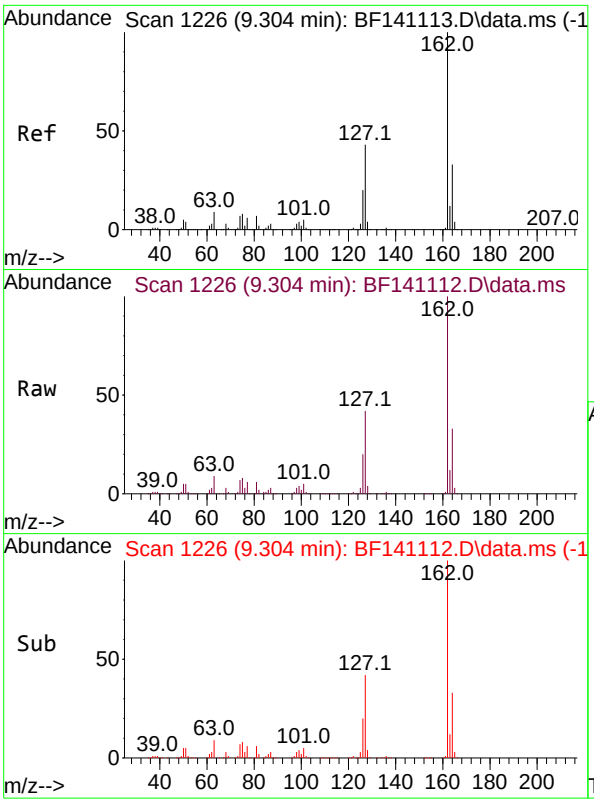




#46
1,1'-Biphenyl
Concen: 21.294 ng
RT: 9.281 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:154 Resp: 566930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.1 | 20.7 | 60.7 |
| 76 | 12.1 | 0.0 | 33.1 |



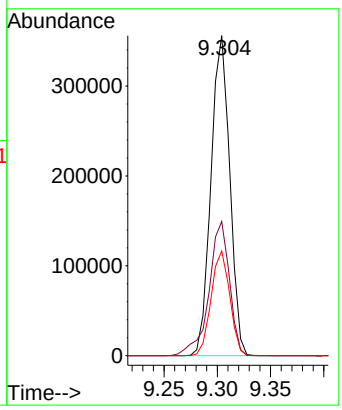


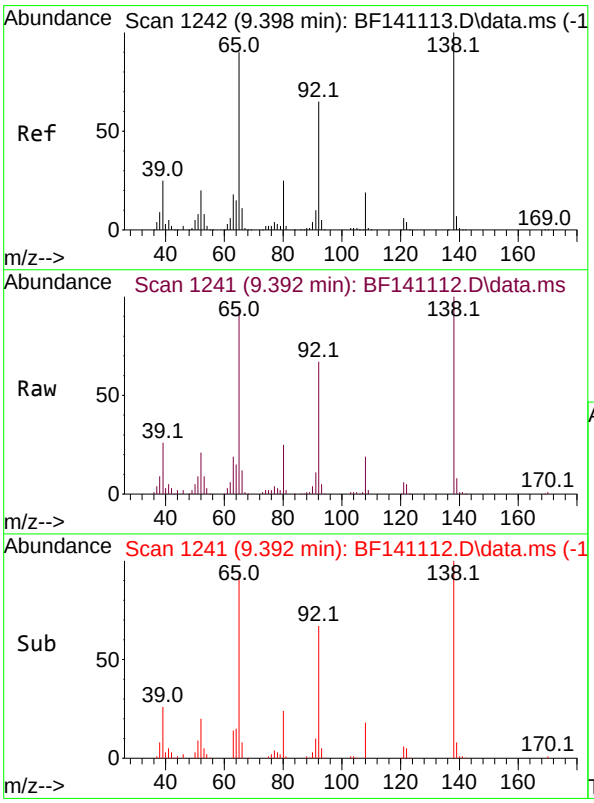

#47
2-Chloronaphthalene
Concen: 21.045 ng
RT: 9.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:162 Resp: 436413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.0 | 34.6 | 51.8 |
| 164 | 32.7 | 26.5 | 39.7 |

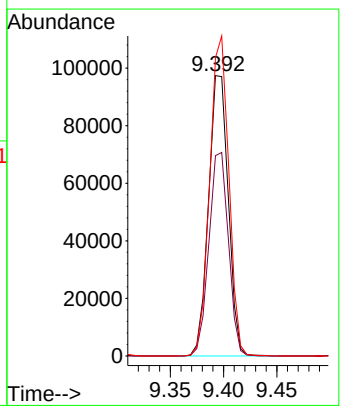


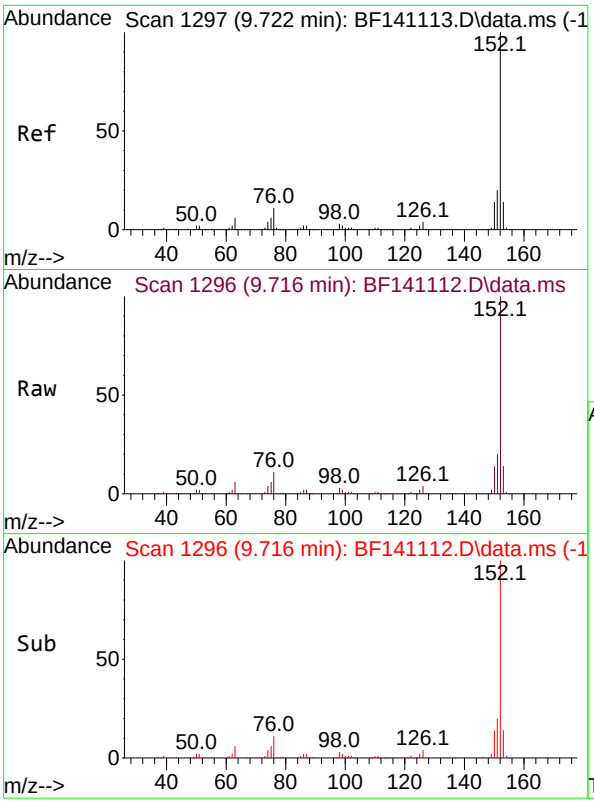




#48
2-Nitroaniline
Concen: 20.379 ng
RT: 9.392 min Scan# 1241
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion: 65 Resp: 125270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.4 | 58.3 | 87.5 |
| 138 | 106.4 | 89.1 | 133.7 |



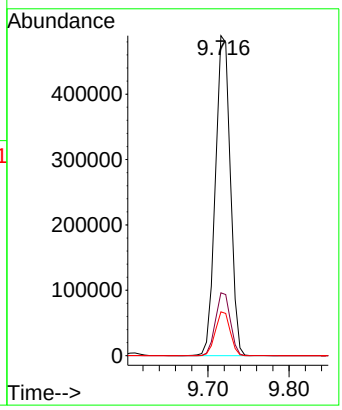


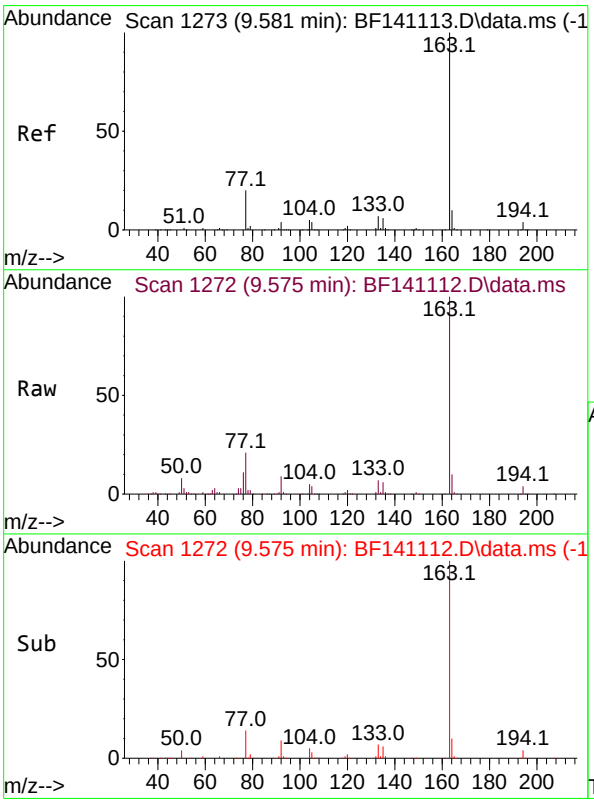

#49
Acenaphthylene
Concen: 21.182 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:152 Resp: 627543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.7 | 16.1 | 24.1 |
| 153 | 13.7 | 11.1 | 16.7 |

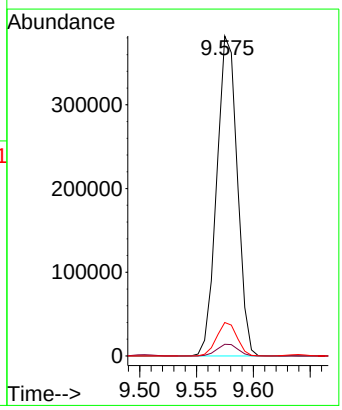


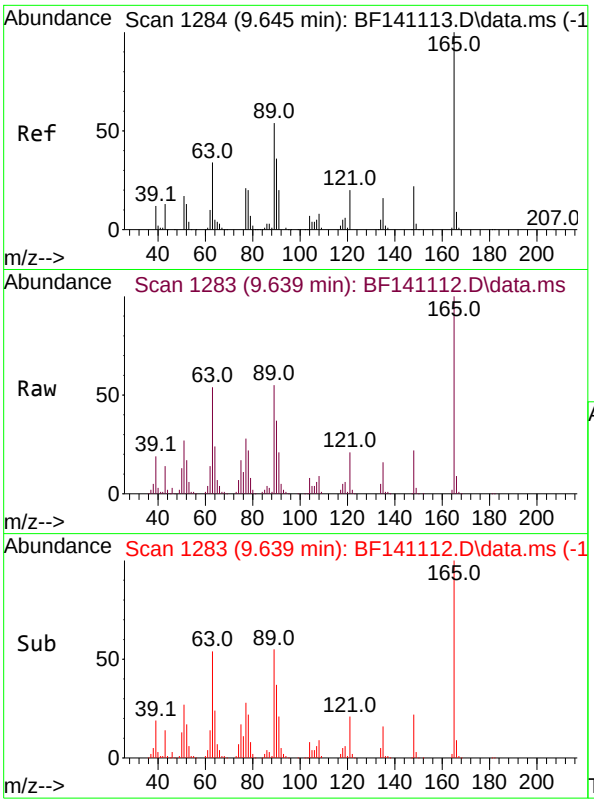




#50
Dimethylphthalate
Concen: 20.907 ng
RT: 9.575 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:163 Resp: 481191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.7 | 3.0 | 4.6 |
| 164 | 10.4 | 8.2 | 12.4 |



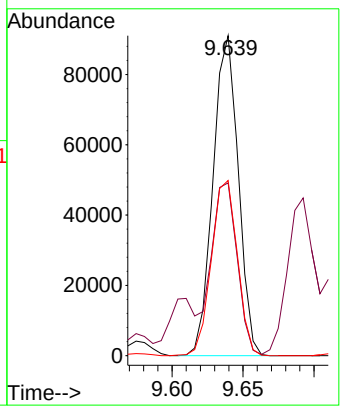


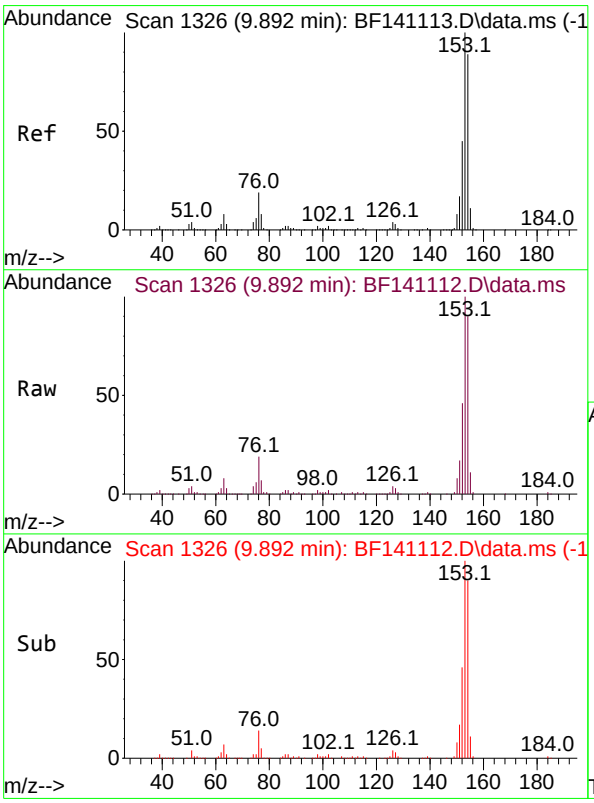

#51
2,6-Dinitrotoluene
Concen: 21.038 ng
RT: 9.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:165 Resp: 112600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 54.0 | 42.3 | 63.5 |
| 89 | 54.7 | 43.1 | 64.7 |

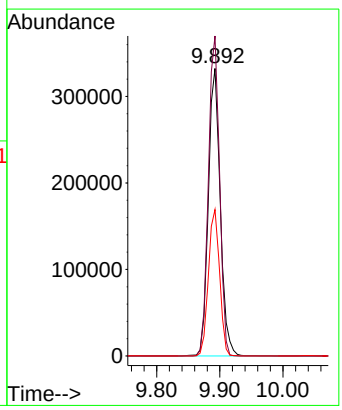


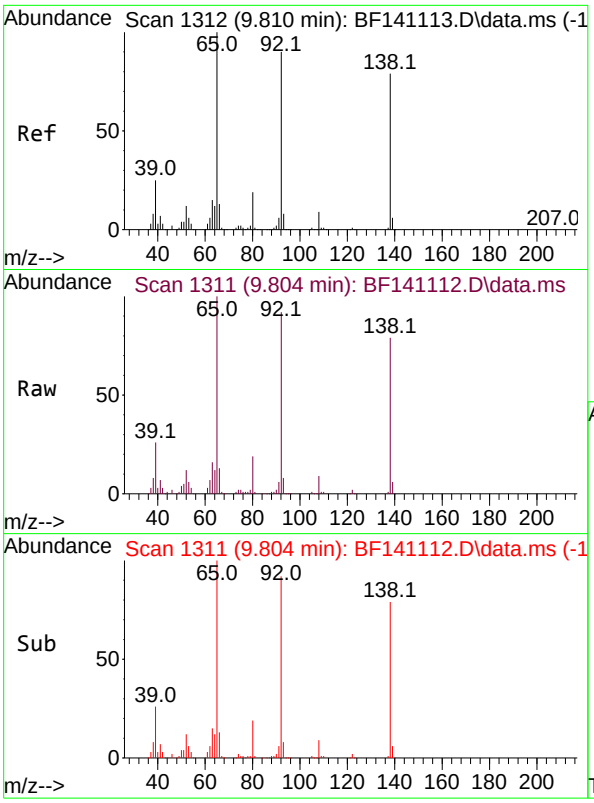




#52
Acenaphthene
Concen: 21.094 ng
RT: 9.892 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:154 Resp: 436615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.3 | 89.8 | 134.6 |
| 152 | 50.9 | 40.8 | 61.2 |



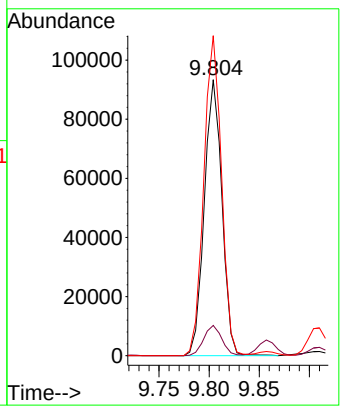


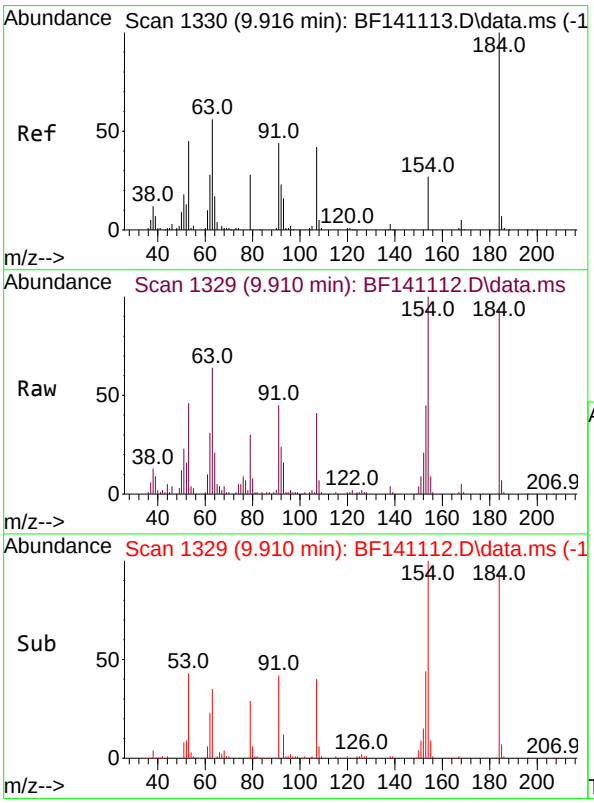

#53
3-Nitroaniline
Concen: 20.994 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:138 Resp: 114181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.9 | 8.8 | 13.2 |
| 92 | 116.0 | 91.3 | 136.9 |

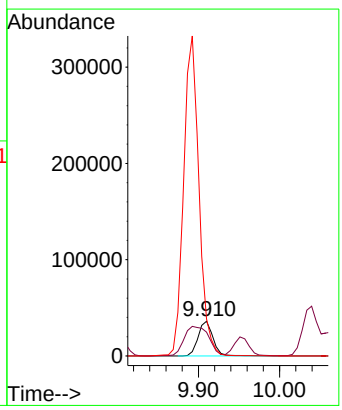


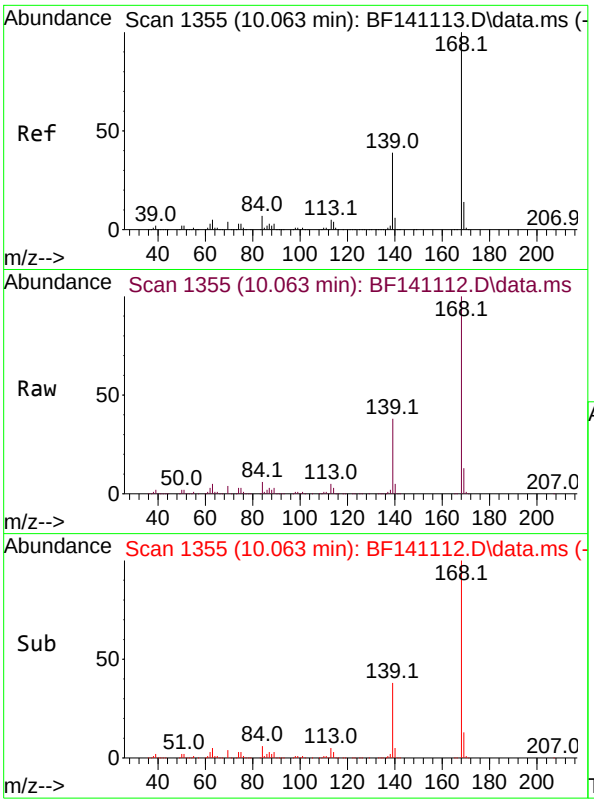




#54
2,4-Dinitrophenol
Concen: 17.982 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:184 Resp: 45746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 68.6 | 48.7 | 73.1 |
| 154 | 106.9 | 57.1 | 85.7# |



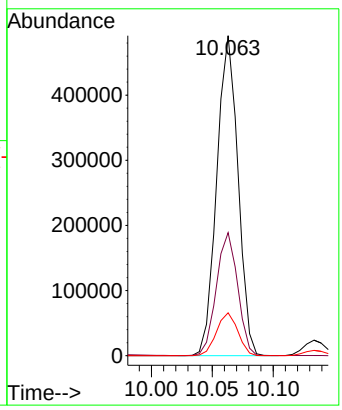


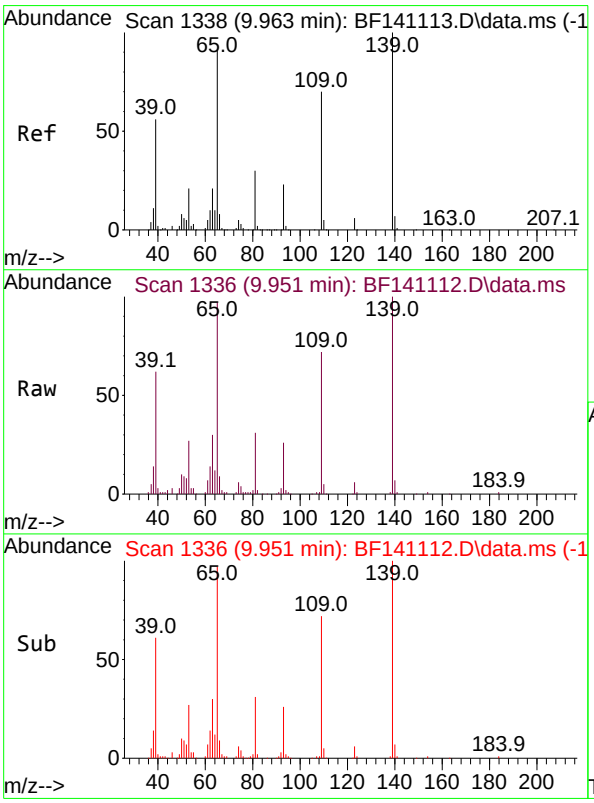

#55
Dibenzofuran
Concen: 21.167 ng
RT: 10.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:168 Resp: 595943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.5 | 31.4 | 47.0 |
| 169 | 13.4 | 10.9 | 16.3 |

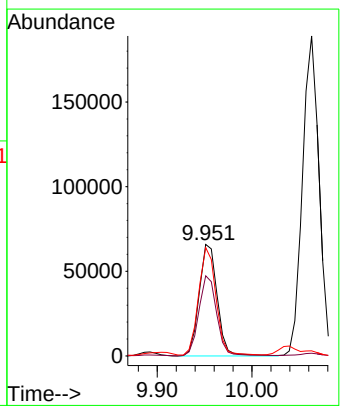


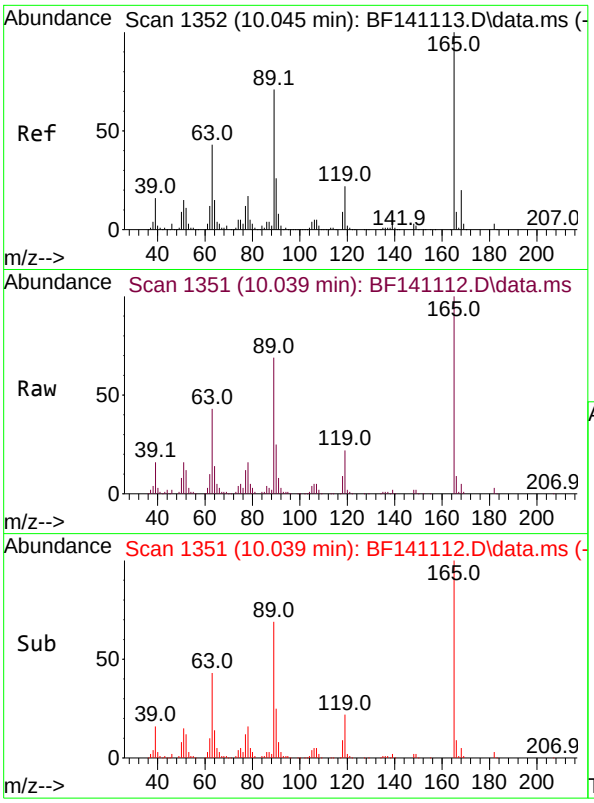




#56
4-Nitrophenol
Concen: 20.509 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:139 Resp: 87361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 71.9 | 50.2 | 90.2 |
| 65 | 97.2 | 72.1 | 112.1 |



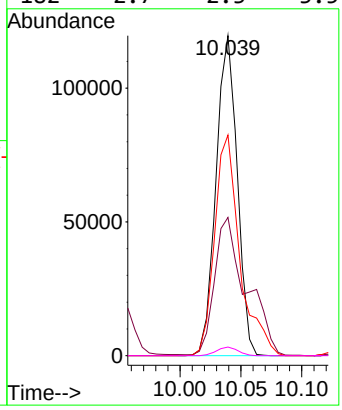


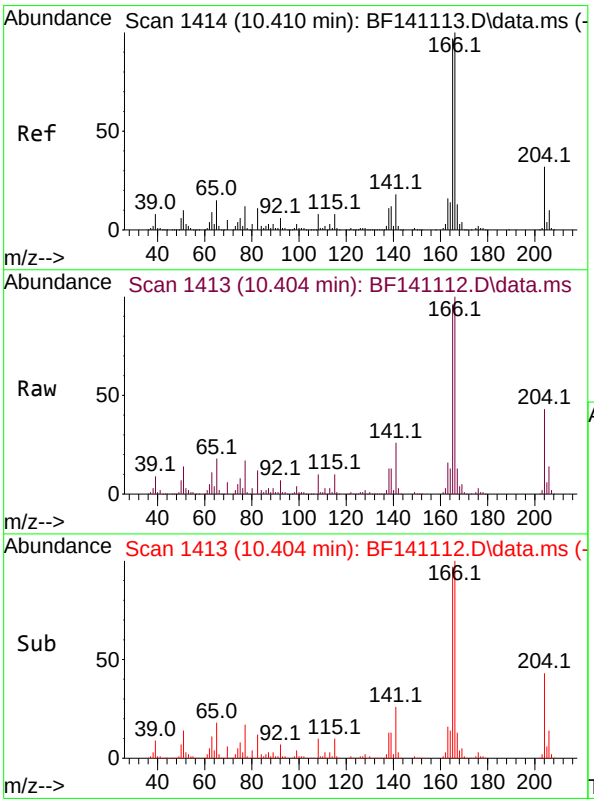

#57
2,4-Dinitrotoluene
Concen: 21.023 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:165 Resp: 145002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 43.2 | 35.0 | 52.4 |
| 89 | 68.9 | 56.7 | 85.1 |
| 182 | 2.7 | 2.3 | 3.5 |

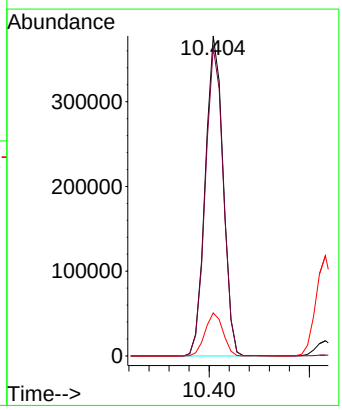


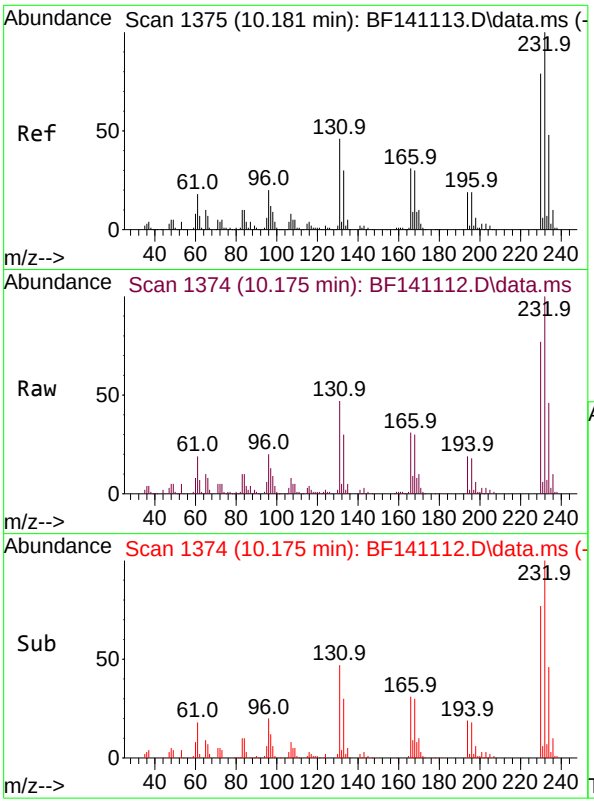




#58
Fluorene
Concen: 21.305 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:166 Resp: 465998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.5 | 77.8 | 116.8 |
| 167 | 13.5 | 10.8 | 16.2 |



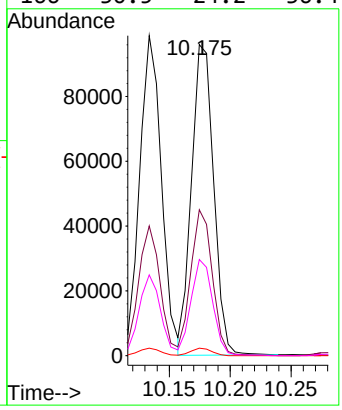


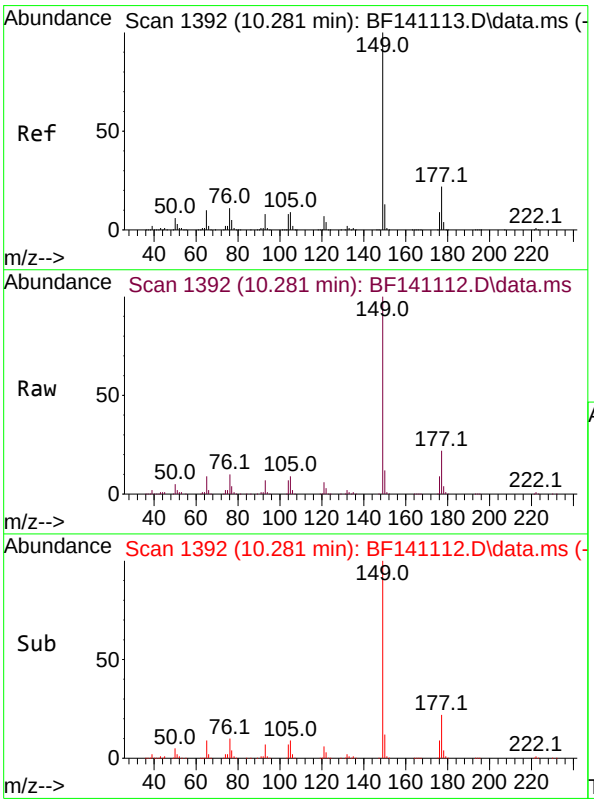

#59
2,3,4,6-Tetrachlorophenol
Concen: 20.823 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:232 Resp: 121311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.8 | 36.2 | 54.4 |
| 130 | 2.3 | 2.0 | 3.0 |
| 166 | 30.5 | 24.2 | 36.4 |

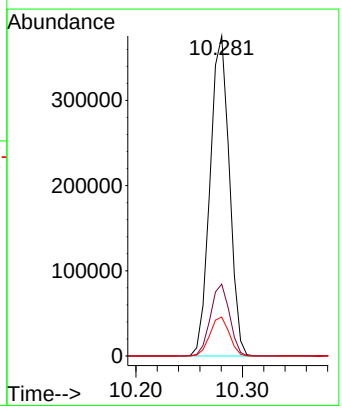


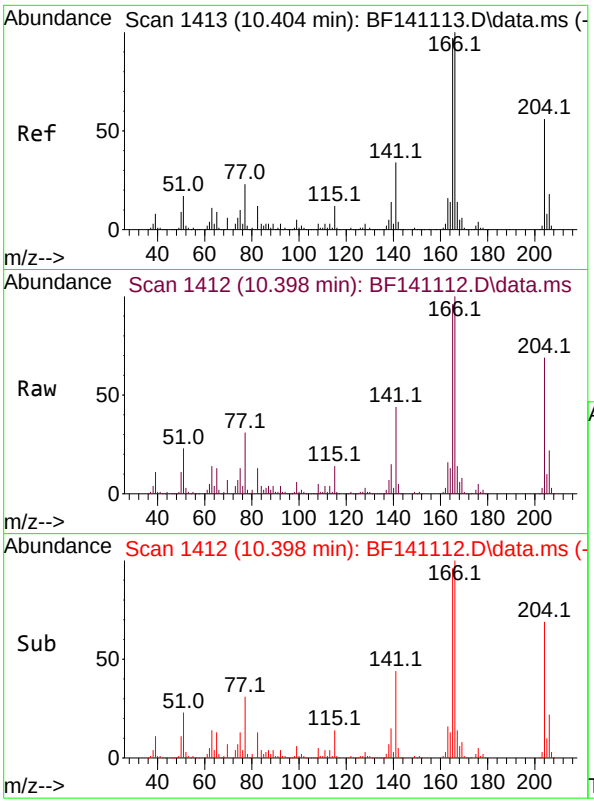




#60
Diethylphthalate
Concen: 21.028 ng
RT: 10.281 min Scan# 1392
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:149 Resp: 472480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.4 | 17.9 | 26.9 |
| 150 | 12.2 | 10.2 | 15.2 |



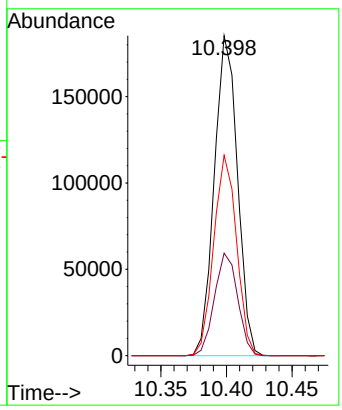


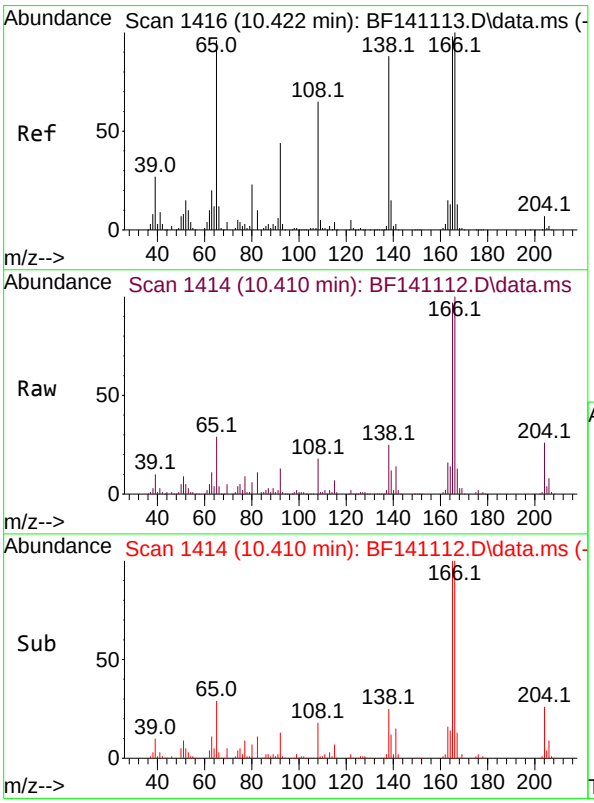

#61
4-Chlorophenyl-phenylether
Concen: 21.317 ng
RT: 10.398 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:204 Resp: 227252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.1 | 25.9 | 38.9 |
| 141 | 62.6 | 49.1 | 73.7 |

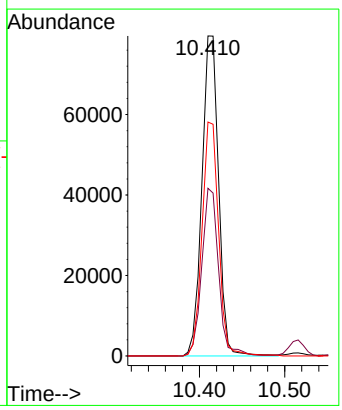


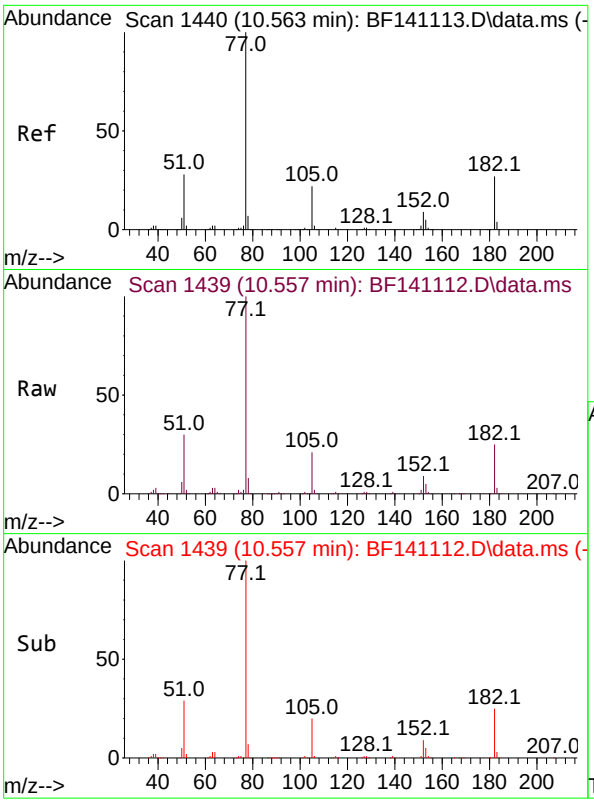




#62
4-Nitroaniline
Concen: 20.305 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:138 Resp: 108089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 52.4 | 29.4 | 69.4 |
| 108 | 73.1 | 53.7 | 93.7 |



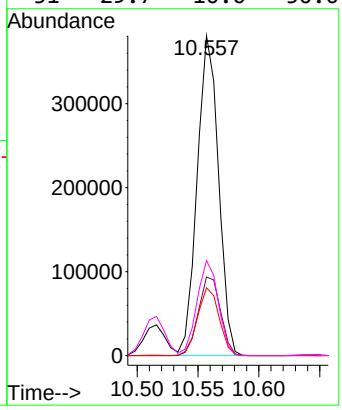


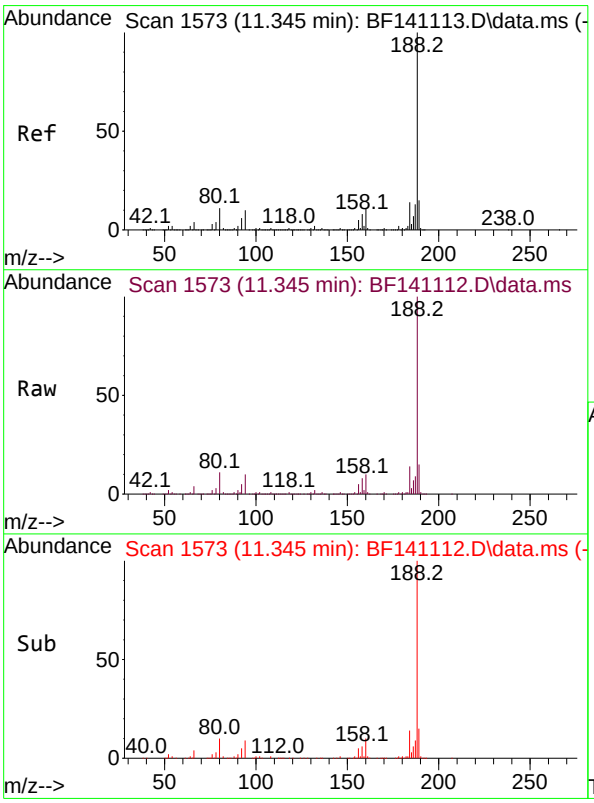

#63
Azobenzene
Concen: 20.915 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion: 77 Resp: 463688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 24.6 | 6.1 | 46.1 |
| 105 | 21.2 | 2.1 | 42.1 |
| 51 | 29.7 | 10.0 | 50.0 |

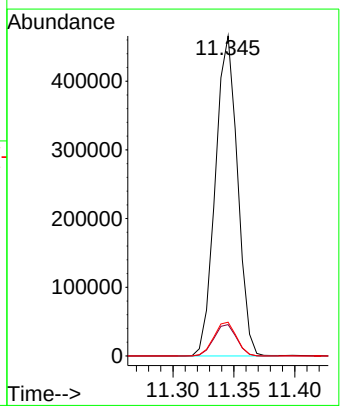


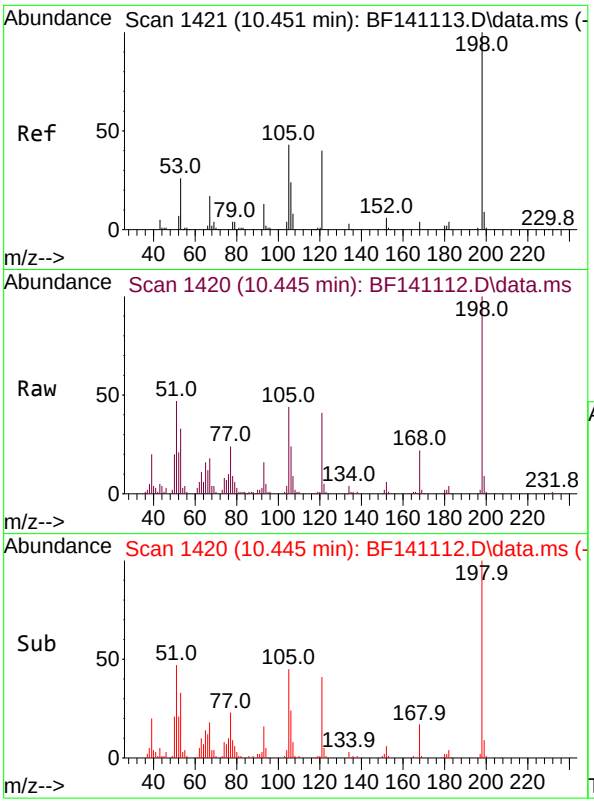




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:188 Resp: 590333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.8 | 8.3 | 12.5 |
| 80 | 10.5 | 9.0 | 13.4 |



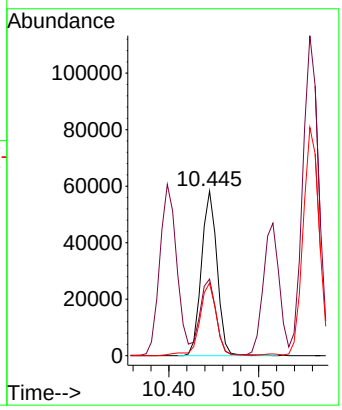


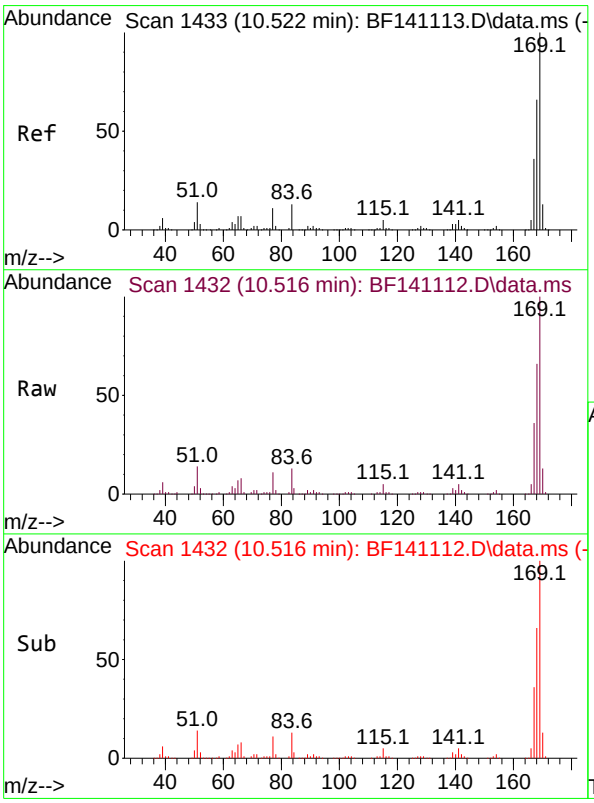

#65
4,6-Dinitro-2-methylphenol
Concen: 20.638 ng
RT: 10.445 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:198 Resp: 70598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 46.6 | 27.1 | 67.1 |
| 105 | 44.1 | 24.2 | 64.2 |

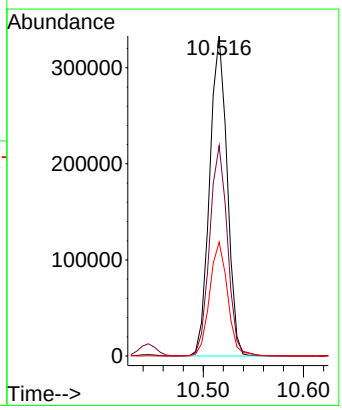


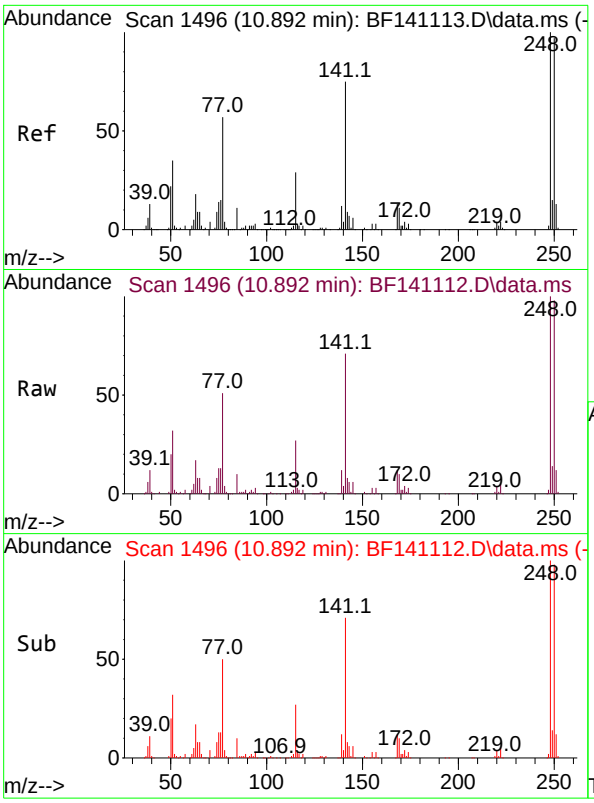




#66
n-Nitrosodiphenylamine
Concen: 21.188 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:169 Resp: 403436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.8 | 52.5 | 78.7 |
| 167 | 35.5 | 28.9 | 43.3 |



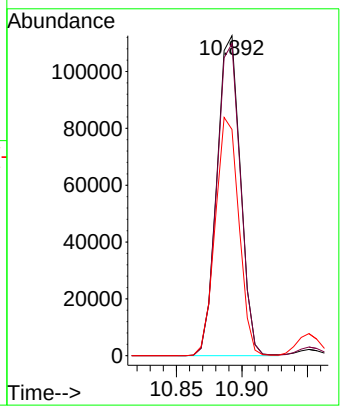


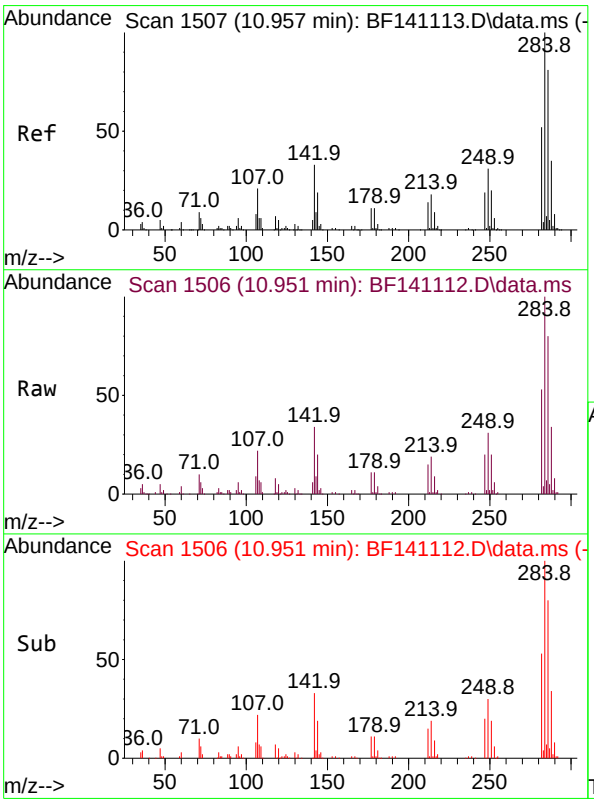

#67
4-Bromophenyl-phenylether
Concen: 20.698 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:248 Resp: 140672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.5 | 77.9 | 116.9 |
| 141 | 70.7 | 59.9 | 89.9 |

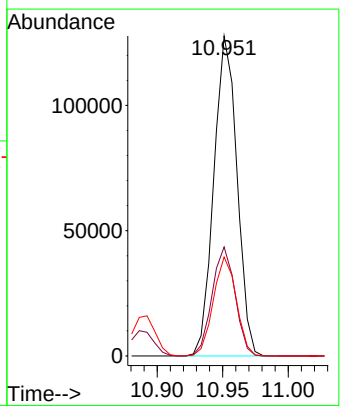


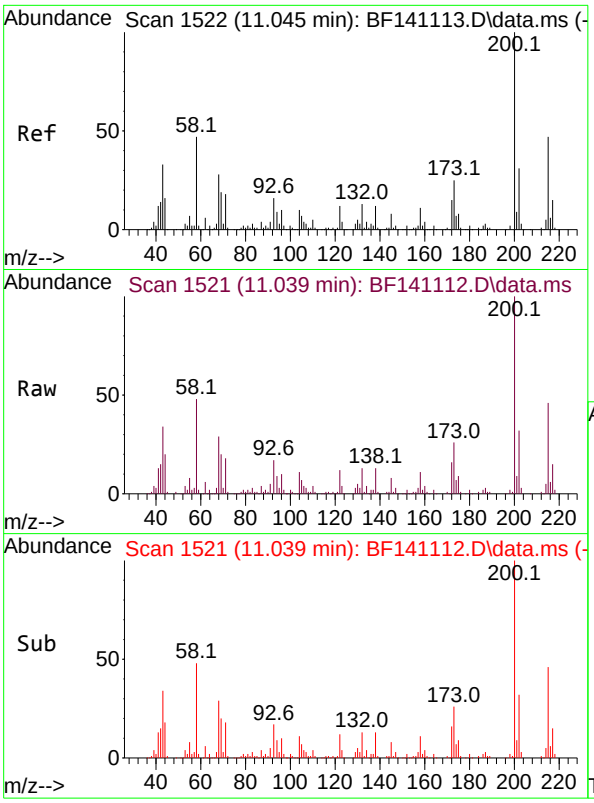




#68
Hexachlorobenzene
Concen: 20.721 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:284 Resp: 156770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.1 | 26.3 | 39.5 |
| 249 | 30.9 | 24.9 | 37.3 |



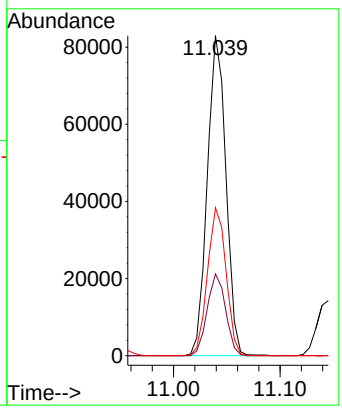


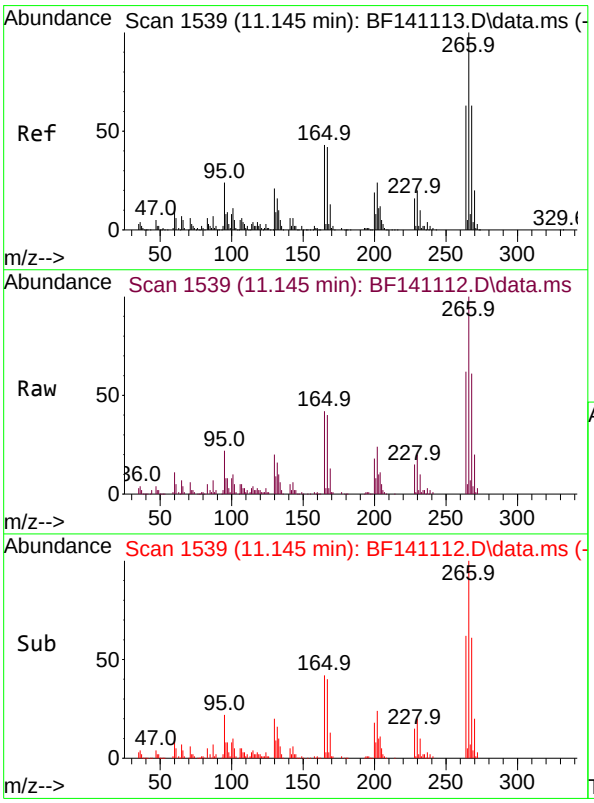

#69
Atrazine
Concen: 19.607 ng
RT: 11.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:200 Resp: 100524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.6 | 5.4 | 45.4 |
| 215 | 46.2 | 26.6 | 66.6 |

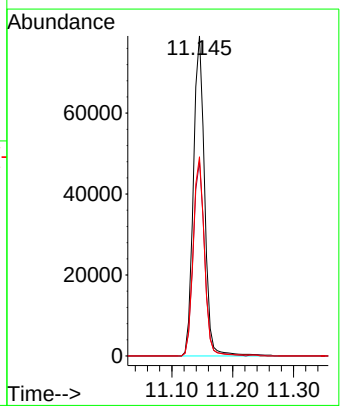


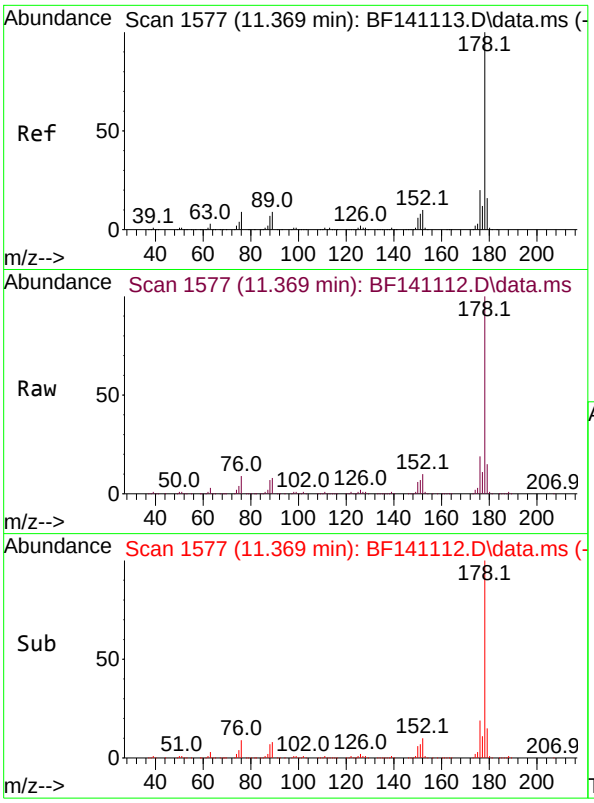




#70
Pentachlorophenol
Concen: 20.837 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:266 Resp: 100960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 60.8 | 50.4 | 75.6 |
| 264 | 62.2 | 50.2 | 75.2 |



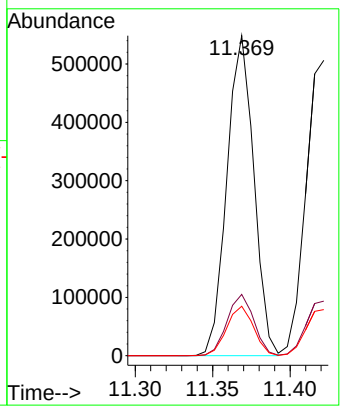


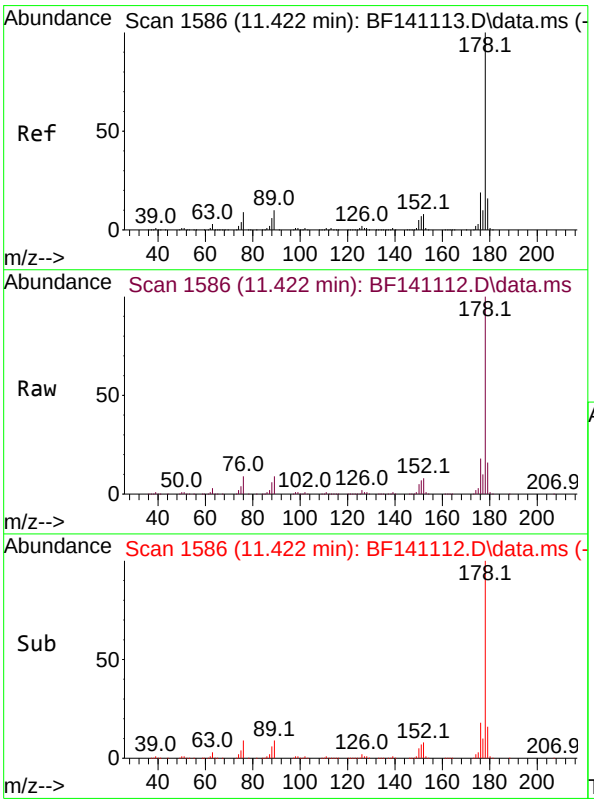

#71
Phenanthrene
Concen: 20.891 ng
RT: 11.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:178 Resp: 662092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.7 | 23.5 |
| 179 | 15.4 | 12.6 | 19.0 |

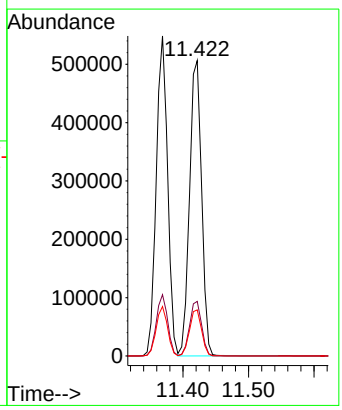


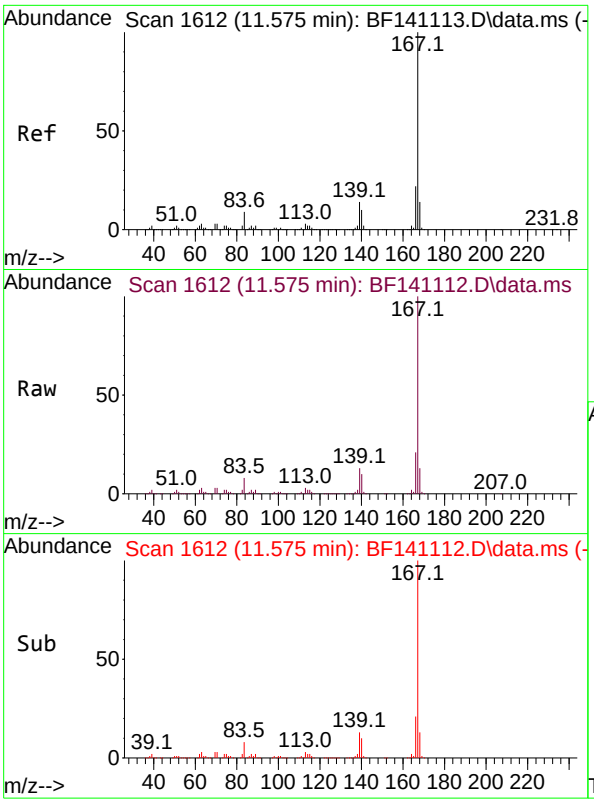




#72
Anthracene
Concen: 20.983 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:178 Resp: 646616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 14.9 | 22.3 |
| 179 | 15.6 | 12.6 | 19.0 |



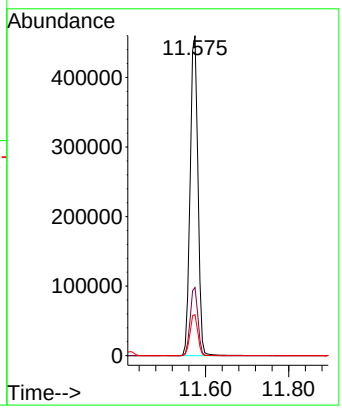


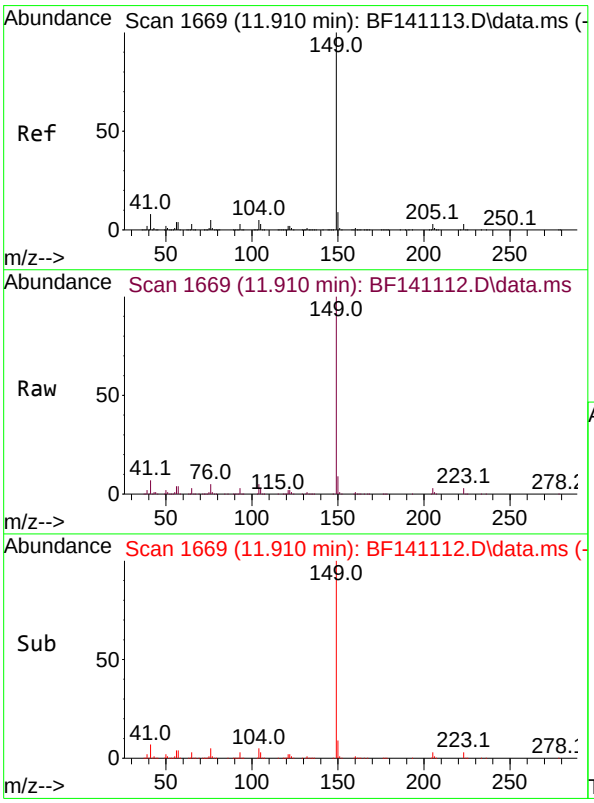

#73
Carbazole
Concen: 21.128 ng
RT: 11.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:167 Resp: 597025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.3 | 17.4 | 26.2 |
| 139 | 12.8 | 10.9 | 16.3 |

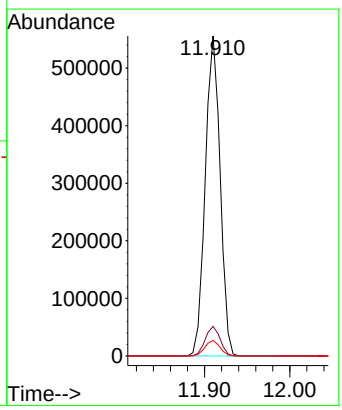


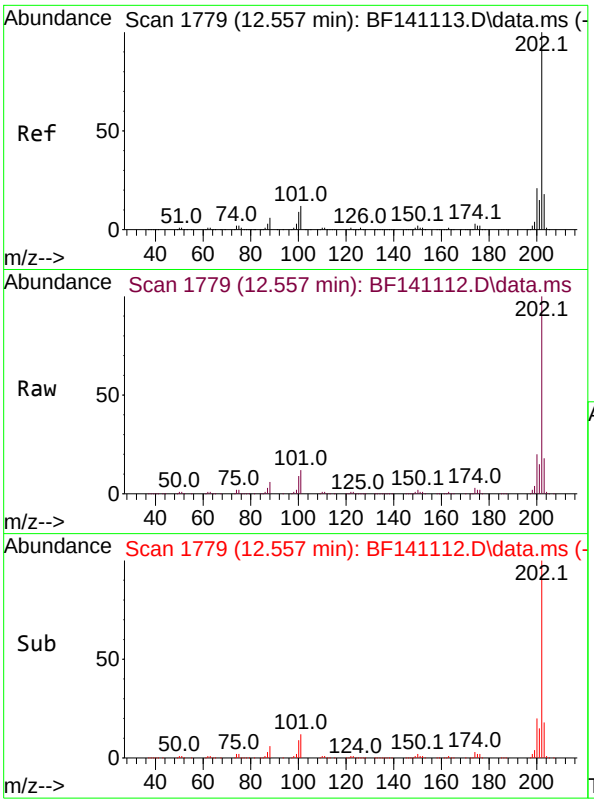




#74
Di-n-butylphthalate
Concen: 20.797 ng
RT: 11.910 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:149 Resp: 672525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.4 | 11.2 |
| 104 | 4.9 | 4.2 | 6.2 |



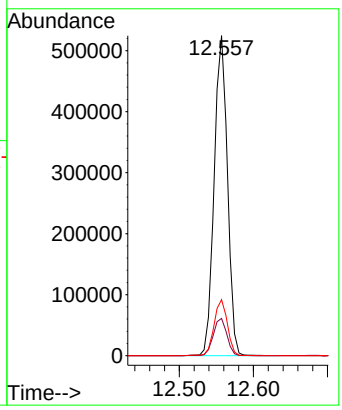


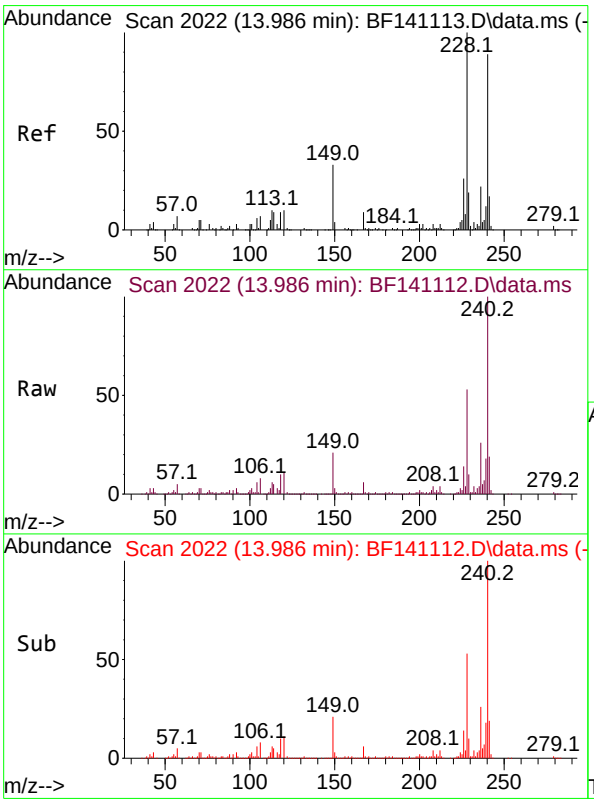

#75
Fluoranthene
Concen: 20.615 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:202 Resp: 651977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.7 | 0.0 | 32.3 |
| 203 | 17.5 | 0.0 | 37.7 |

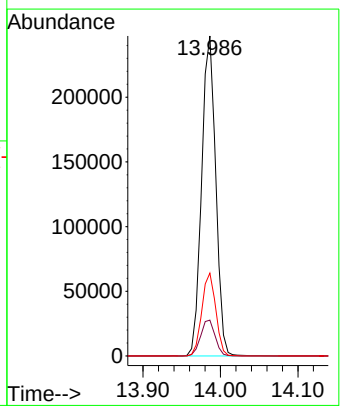


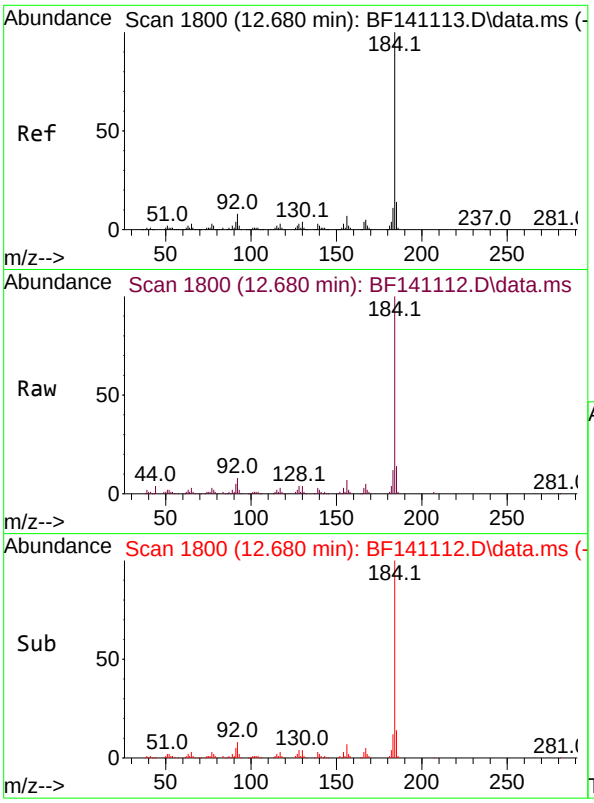




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:240 Resp: 312856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.2 | 9.1 | 13.7 |
| 236 | 25.9 | 19.8 | 29.6 |



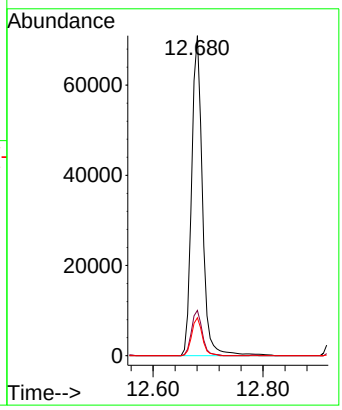


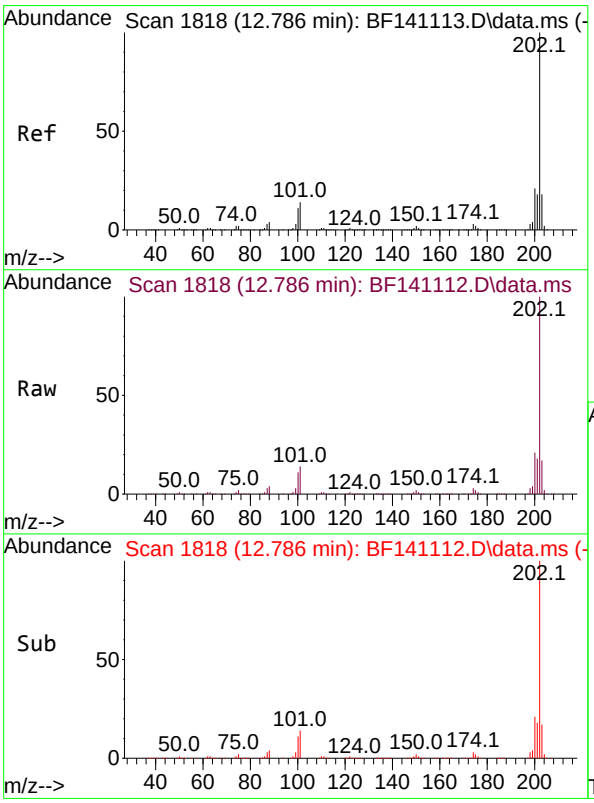

#77
Benzidine
Concen: 16.701 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:184 Resp: 96892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.2 | 11.4 | 17.0 |
| 183 | 11.8 | 9.2 | 13.8 |

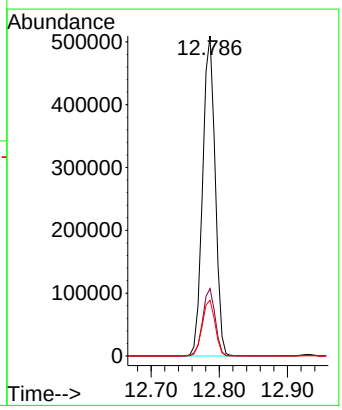


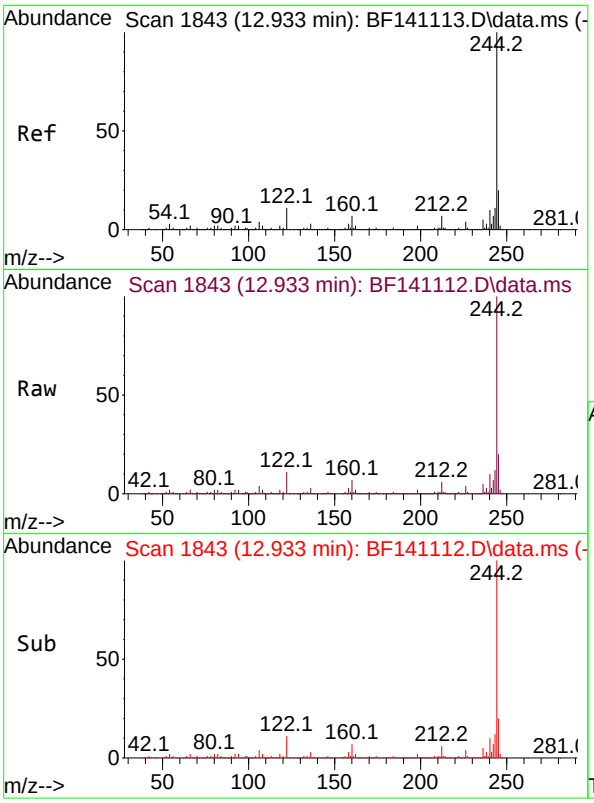




#78
Pyrene
Concen: 21.787 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:202 Resp: 651047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 16.8 | 25.2 |
| 203 | 17.5 | 14.3 | 21.5 |



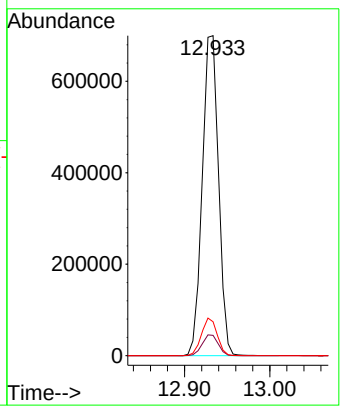


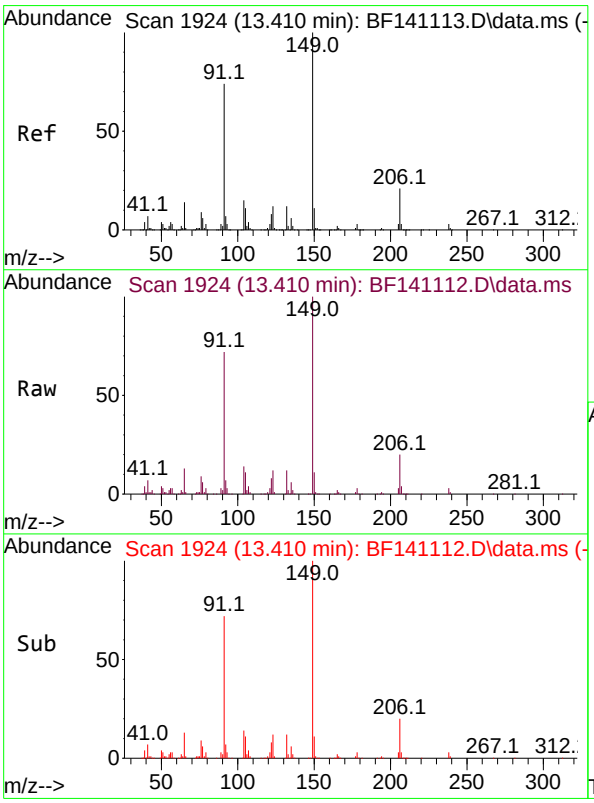

#79
Terphenyl-d14
Concen: 44.086 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:244 Resp: 927987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.4 | 5.4 | 8.2 |
| 122 | 10.6 | 8.8 | 13.2 |

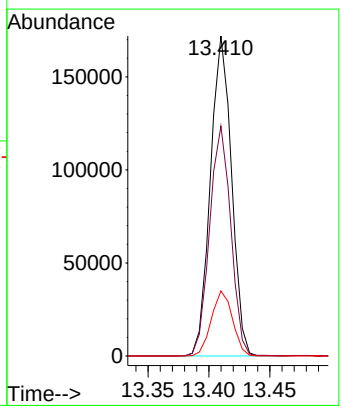


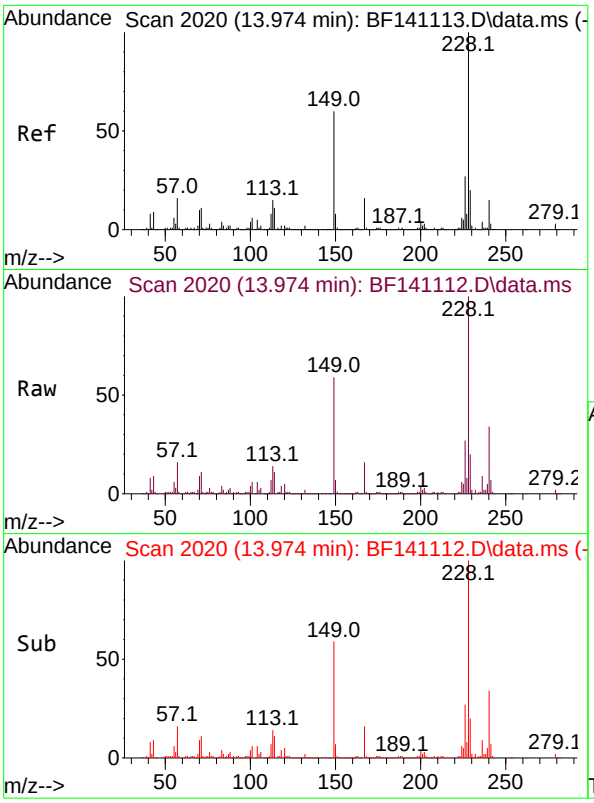




#80
Butylbenzylphthalate
Concen: 20.834 ng
RT: 13.410 min Scan# 1924
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:149 Resp: 207563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 71.9 | 59.0 | 88.6 |
| 206 | 20.3 | 16.5 | 24.7 |



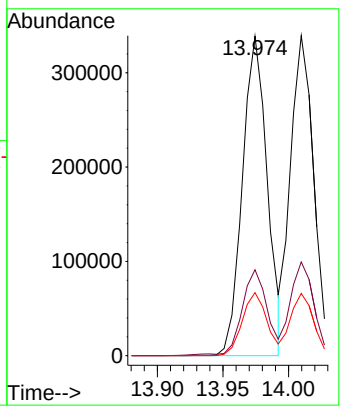


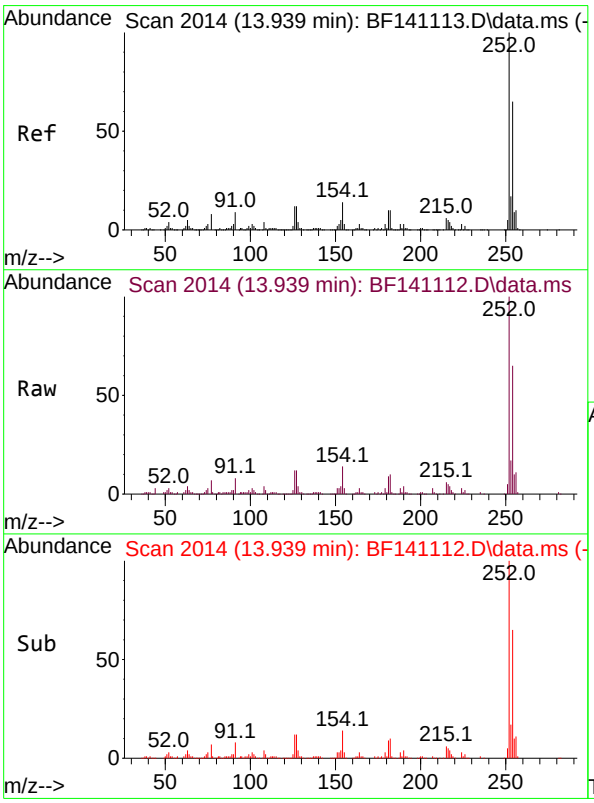

#81
Benzo(a)anthracene
Concen: 20.971 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:228 Resp: 446504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 21.7 | 32.5 |
| 229 | 19.7 | 15.7 | 23.5 |

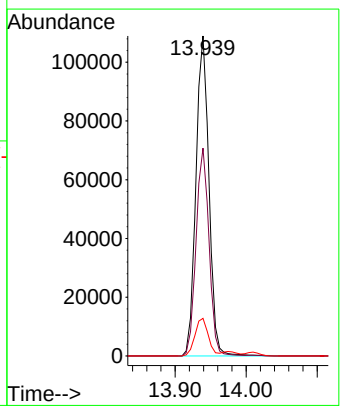


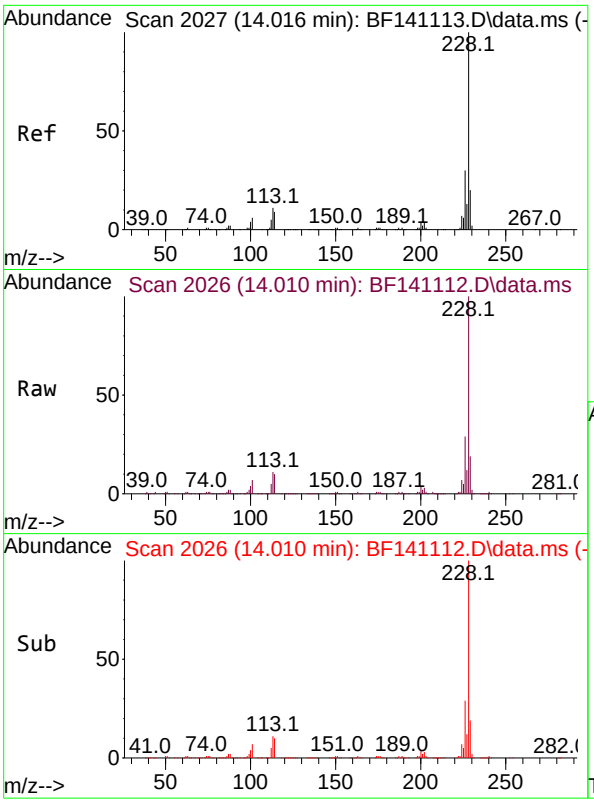




#82
3,3'-Dichlorobenzidine
Concen: 20.510 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:252 Resp: 139050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.0 | 52.0 | 78.0 |
| 126 | 11.7 | 9.4 | 14.0 |



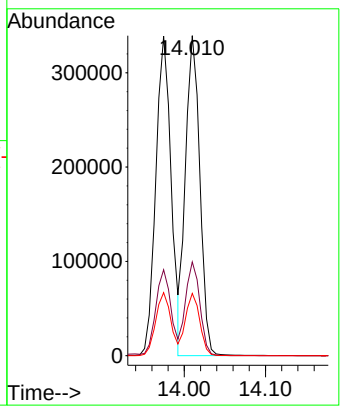


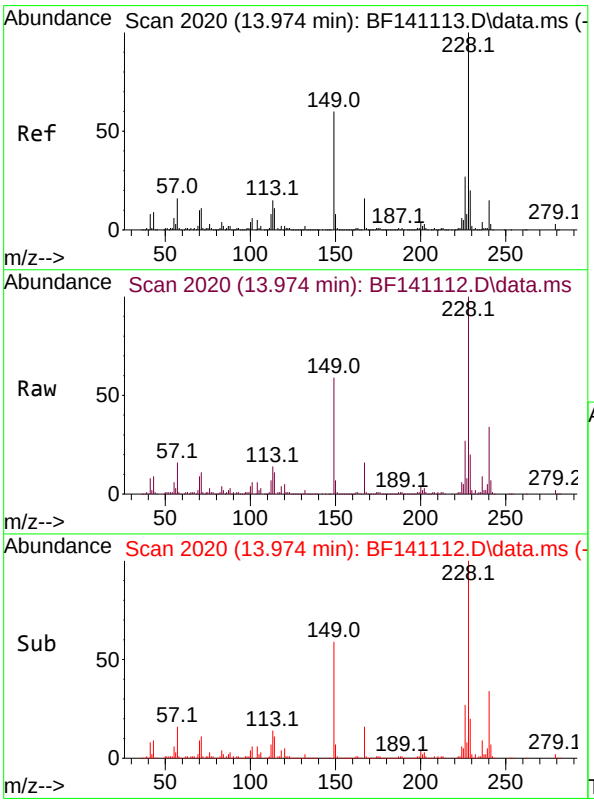

#83
Chrysene
Concen: 20.975 ng
RT: 14.010 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:228 Resp: 417881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.3 | 23.8 | 35.8 |
| 229 | 19.4 | 15.8 | 23.8 |

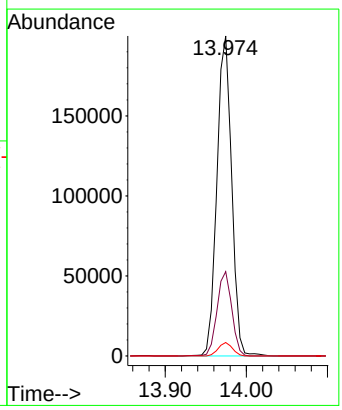


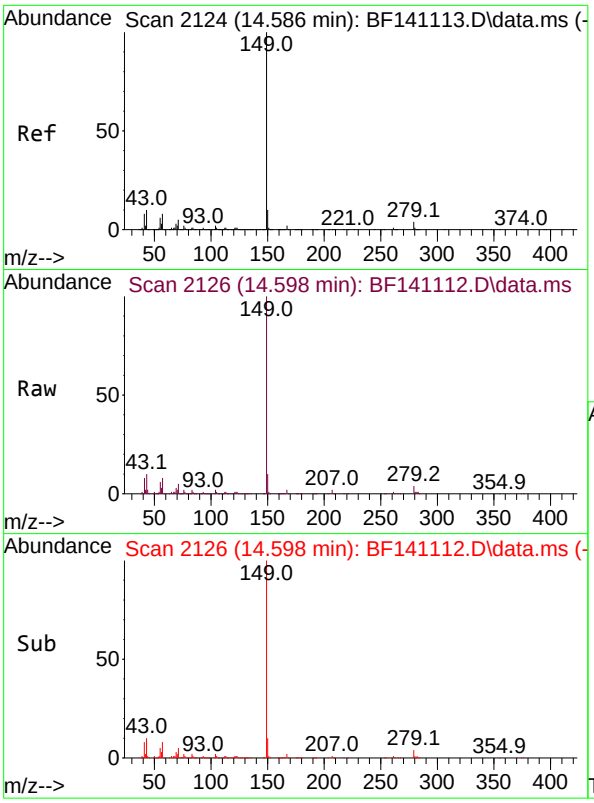




#84
Bis(2-ethylhexyl)phthalate
Concen: 21.114 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:149 Resp: 252397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.4 | 21.4 | 32.2 |
| 279 | 4.2 | 3.4 | 5.2 |



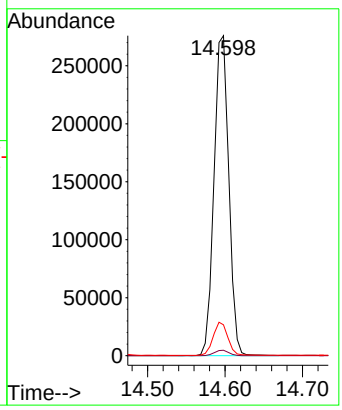


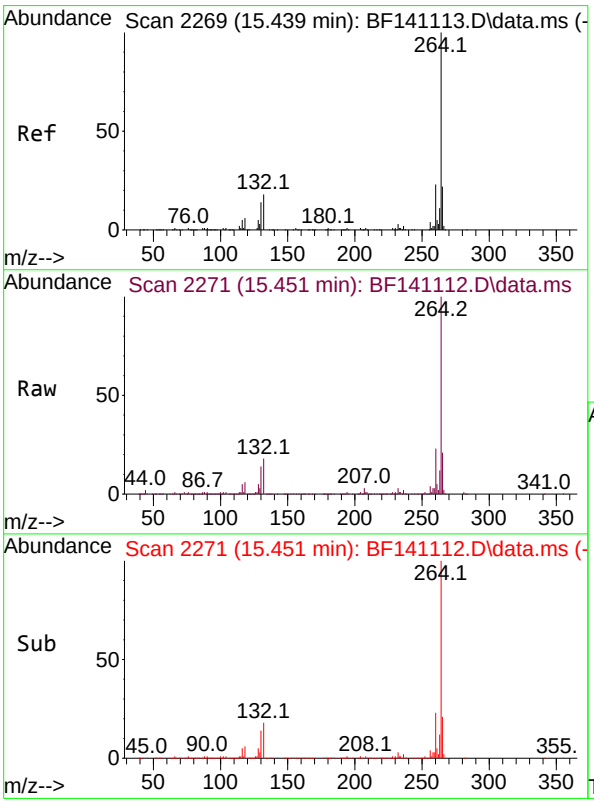

#85
Di-n-octyl phthalate
Concen: 20.253 ng
RT: 14.598 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:149 Resp: 365598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.7 | 1.3 | 1.9 |
| 43 | 10.3 | 8.4 | 12.6 |

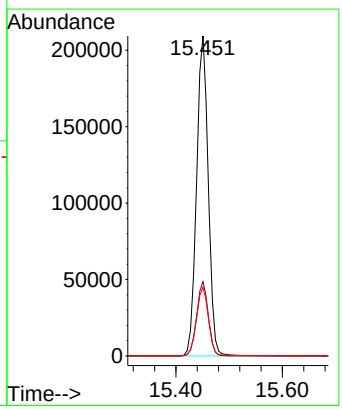


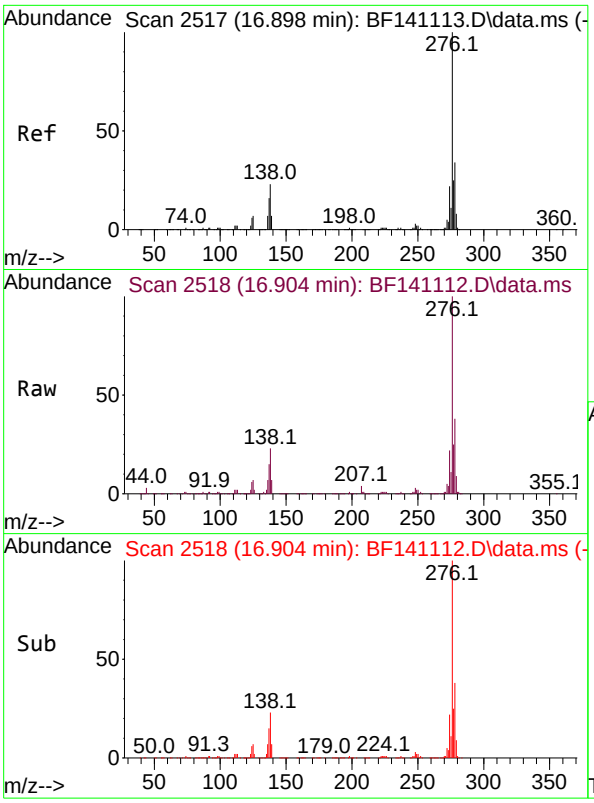




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:264 Resp: 318548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.6 | 28.0 |
| 265 | 21.4 | 17.4 | 26.0 |



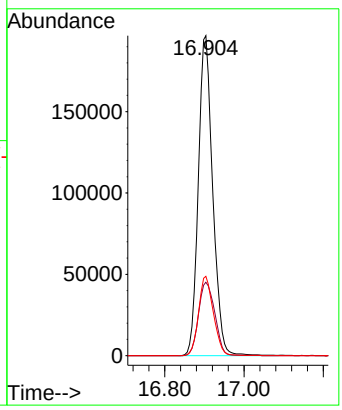


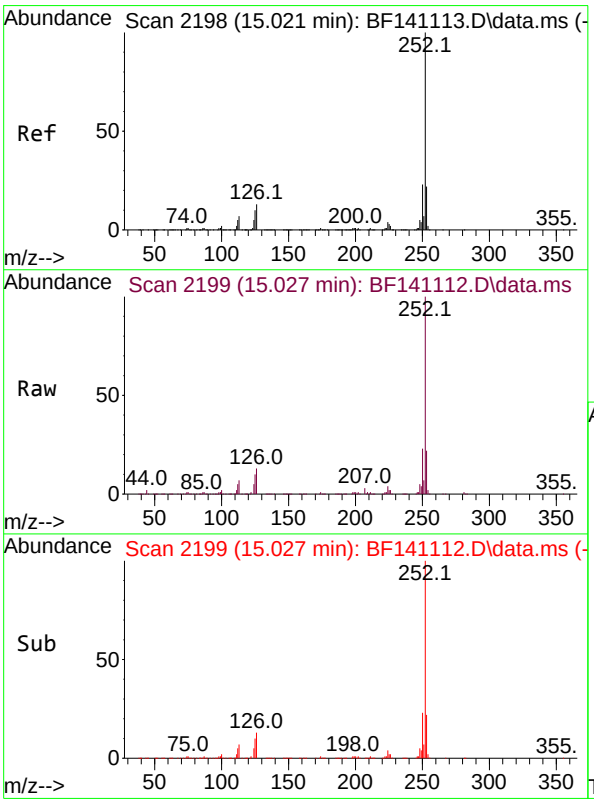

#87
Indeno(1,2,3-cd)pyrene
Concen: 21.272 ng
RT: 16.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:276 Resp: 496449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.0 | 20.7 | 31.1 |
| 277 | 25.6 | 20.6 | 30.8 |

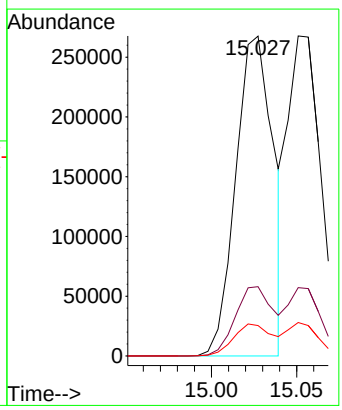


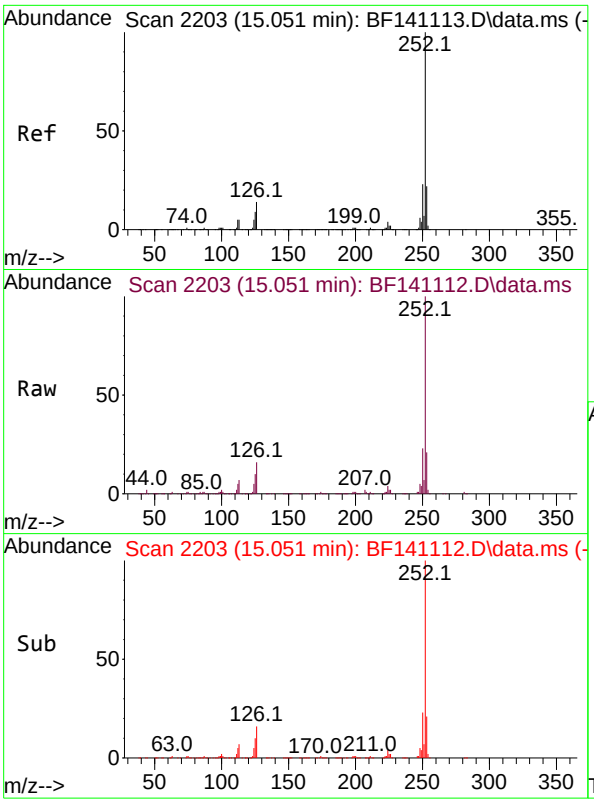




#88
Benzo(b)fluoranthene
Concen: 20.000 ng
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:252 Resp: 410817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.8 | 26.6 |
| 125 | 9.5 | 8.1 | 12.1 |



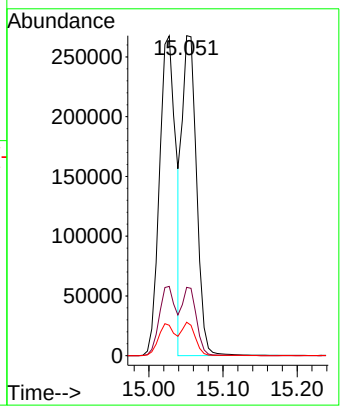


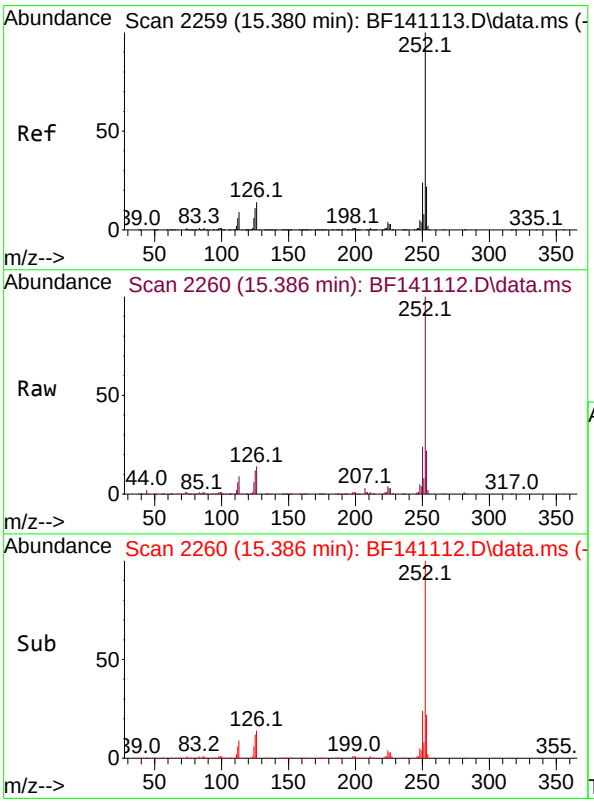

#89
Benzo(k)fluoranthene
Concen: 20.939 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:252 Resp: 363482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.8 | 26.8 |
| 125 | 10.4 | 7.9 | 11.9 |

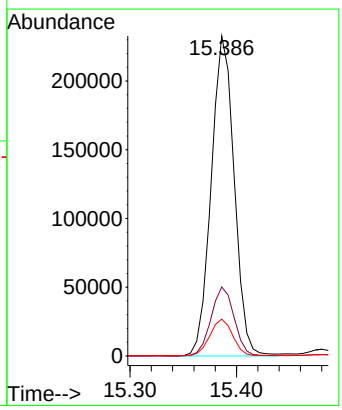


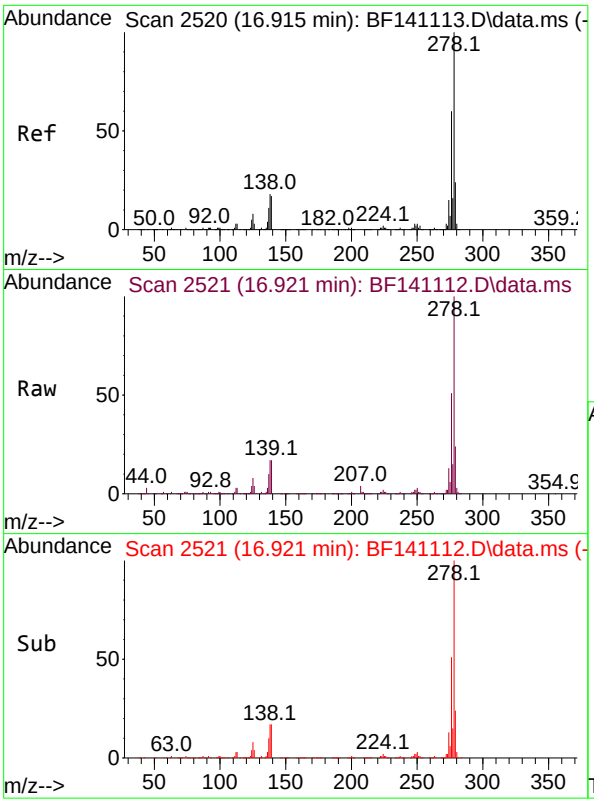




#90
Benzo(a)pyrene
Concen: 20.586 ng
RT: 15.386 min Scan# 2260
Delta R.T. 0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:252 Resp: 348882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.7 | 26.5 |
| 125 | 11.5 | 9.1 | 13.7 |



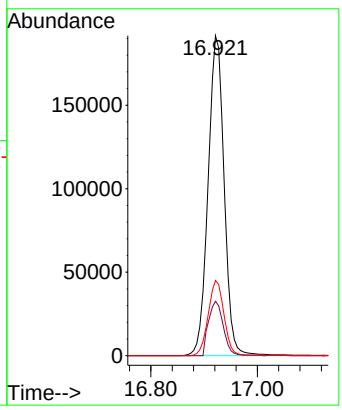


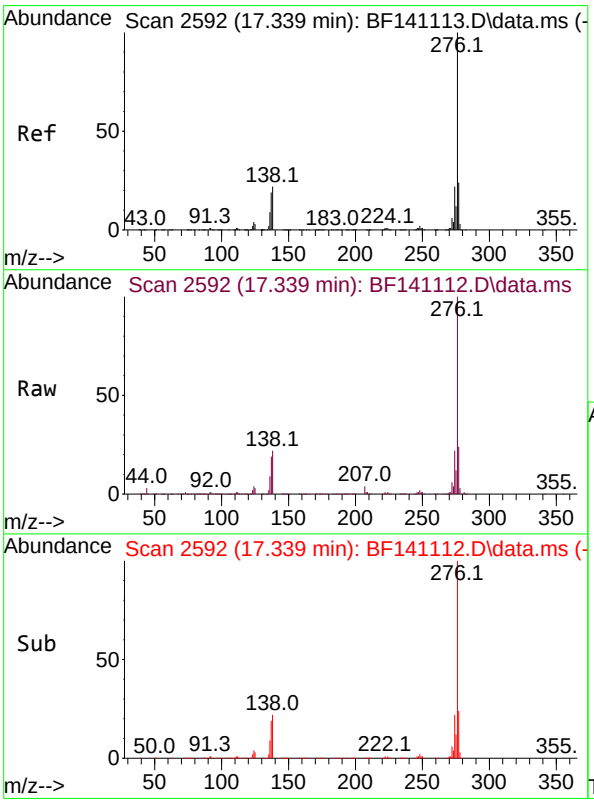

#91
Dibenzo(a,h)anthracene
Concen: 21.291 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

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

Tgt Ion:278 Resp: 401882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.0 | 13.8 | 20.6 |
| 279 | 23.5 | 19.1 | 28.7 |

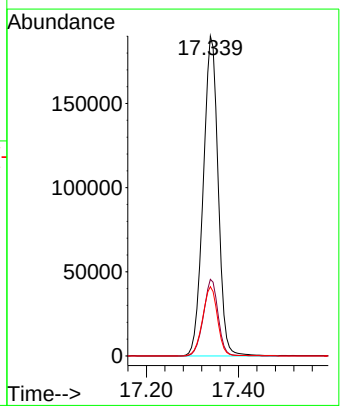



#92
Benzo(g,h,i)perylene
Concen: 21.863 ng
RT: 17.339 min Scan# 2592
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:276 Resp: 429242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 19.0 | 28.4 |
| 138 | 21.7 | 17.4 | 26.2 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141113.D
Acq On : 10 Jan 2025 14:36
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Quant Time: Jan 10 22:20:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 178652 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 695197 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.863 | 164 | 363903 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 589244 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.986 | 240 | 328095 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.439 | 264 | 356368 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.428 | 112 | 891763 | 77.111 | ng | 0.00 |
| 7) Phenol-d6 | 6.445 | 99 | 1118731 | 76.368 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.387 | 82 | 1015102 | 77.401 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.651 | 330 | 318067 | 76.709 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.181 | 172 | 1782936 | 74.817 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 1669190 | 75.616 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.540 | 88 | 201329 | 39.093 | ng | 100 |
| 3) Pyridine | 3.281 | 79 | 486021 | 38.485 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.228 | 42 | 242419 | 39.258 | ng | 100 |
| 6) Aniline | 6.487 | 93 | 508897 | 39.127 | ng | 100 |
| 8) 2-Chlorophenol | 6.604 | 128 | 480497 | 38.726 | ng | 100 |
| 9) Benzaldehyde | 6.369 | 77 | 303180 | 37.048 | ng | 100 |
| 10) Phenol | 6.463 | 94 | 607714 | 38.754 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 6.557 | 93 | 448899 | 38.412 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.763 | 146 | 527365 | 38.109 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 6.840 | 146 | 534324 | 38.317 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 6.992 | 146 | 493883 | 37.968 | ng | 100 |
| 15) Benzyl Alcohol | 6.963 | 79 | 413856 | 39.120 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098 | 45 | 630969 | 38.691 | ng | 100 |
| 17) 2-Methylphenol | 7.069 | 107 | 388877 | 38.821 | ng | 100 |
| 18) Hexachloroethane | 7.334 | 117 | 195745 | 38.816 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 7.234 | 70 | 323787 | 37.522 | ng | 100 |
| 20) 3+4-Methylphenols | 7.222 | 107 | 491194 | 38.868 | ng | 100 |
| 22) Acetophenone | 7.234 | 105 | 618403 | 37.419 | ng | 100 |
| 24) Nitrobenzene | 7.404 | 77 | 524255 | 38.355 | ng | 100 |
| 25) Isophorone | 7.640 | 82 | 857957 | 38.280 | ng | 100 |
| 26) 2-Nitrophenol | 7.722 | 139 | 247962 | 39.881 | ng | 100 |
| 27) 2,4-Dimethylphenol | 7.751 | 122 | 328632 | 39.185 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.851 | 93 | 537705 | 38.228 | ng | 100 |
| 29) 2,4-Dichlorophenol | 7.957 | 162 | 385578 | 38.711 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 435914 | 38.288 | ng | 100 |
| 31) Naphthalene | 8.128 | 128 | 1388249 | 37.866 | ng | 100 |
| 32) Benzoic acid | 7.857 | 122 | 330807 | 41.119 | ng | 100 |
| 33) 4-Chloroaniline | 8.175 | 127 | 479132 | 37.789 | ng | 100 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 261671 | 38.143 | ng | 100 |
| 35) Caprolactam | 8.545 | 113 | 126481 | 38.712 | ng | 100 |
| 36) 4-Chloro-3-methylphenol | 8.651 | 107 | 420106 | 38.566 | ng | 100 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 887132 | 37.973 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 868573 | 37.724 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.981 | 216 | 403442 | 38.626 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 145258 | 42.508 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 276355 | 39.231 | ng | 100 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141113.D
Acq On : 10 Jan 2025 14:36
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Quant Time: Jan 10 22:20:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.128 | 196 | 291660 | 39.203 | ng | 100 |
| 46) 1,1'-Biphenyl | 9.281 | 154 | 1084649 | 38.380 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.304 | 162 | 847410 | 38.499 | ng | 100 |
| 48) 2-Nitroaniline | 9.398 | 65 | 255218 | 39.114 | ng | 100 |
| 49) Acenaphthylene | 9.722 | 152 | 1207984 | 38.412 | ng | 100 |
| 50) Dimethylphthalate | 9.581 | 163 | 945319 | 38.695 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.645 | 165 | 226979 | 39.953 | ng | 100 |
| 52) Acenaphthene | 9.892 | 154 | 847617 | 38.579 | ng | 100 |
| 53) 3-Nitroaniline | 9.810 | 138 | 229868 | 39.816 | ng | 100 |
| 54) 2,4-Dinitrophenol | 9.916 | 184 | 113135 | 41.896 | ng | 100 |
| 55) Dibenzofuran | 10.063 | 168 | 1154072 | 38.617 | ng | 100 |
| 56) 4-Nitrophenol | 9.963 | 139 | 181889 | 40.228 | ng | 100 |
| 57) 2,4-Dinitrotoluene | 10.045 | 165 | 287835 | 39.314 | ng | 100 |
| 58) Fluorene | 10.410 | 166 | 870839 | 37.508 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.181 | 232 | 241313 | 39.022 | ng | 100 |
| 60) Diethylphthalate | 10.281 | 149 | 912032 | 38.240 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204 | 431993 | 38.175 | ng | 100 |
| 62) 4-Nitroaniline | 10.422 | 138 | 218358 | 38.644 | ng | 100 |
| 63) Azobenzene | 10.563 | 77 | 905963 | 38.497 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 10.451 | 198 | 152510 | 44.665 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 10.522 | 169 | 766755 | 40.343 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 273038 | 40.247 | ng | 100 |
| 68) Hexachlorobenzene | 10.957 | 284 | 303316 | 40.165 | ng | 100 |
| 69) Atrazine | 11.045 | 200 | 166125 | 32.462 | ng | 100 |
| 70) Pentachlorophenol | 11.145 | 266 | 204286 | 42.241 | ng | 100 |
| 71) Phenanthrene | 11.369 | 178 | 1254420 | 39.653 | ng | 100 |
| 72) Anthracene | 11.422 | 178 | 1227926 | 39.920 | ng | 100 |
| 73) Carbazole | 11.575 | 167 | 1112672 | 39.450 | ng | 100 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 1280428 | 39.669 | ng | 100 |
| 75) Fluoranthene | 12.557 | 202 | 1222253 | 38.718 | ng | 100 |
| 77) Benzidine | 12.680 | 184 | 268331 | 44.102 | ng | 100 |
| 78) Pyrene | 12.786 | 202 | 1212637 | 38.696 | ng | 100 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 403087 | 38.580 | ng | 100 |
| 81) Benzo(a)anthracene | 13.974 | 228 | 817209 | 36.599 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.939 | 252 | 274265 | 38.575 | ng | 100 |
| 83) Chrysene | 14.016 | 228 | 791711 | 37.894 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149 | 476500 | 38.010 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.586 | 149 | 755449 | 39.906 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.898 | 276 | 1049124 | 40.183 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.021 | 252 | 855723 | 37.238 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.051 | 252 | 743248 | 38.272 | ng | 100 |
| 90) Benzo(a)pyrene | 15.380 | 252 | 740229 | 39.043 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 16.915 | 278 | 852935 | 40.391 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 17.339 | 276 | 900014 | 40.976 | ng | 100 |

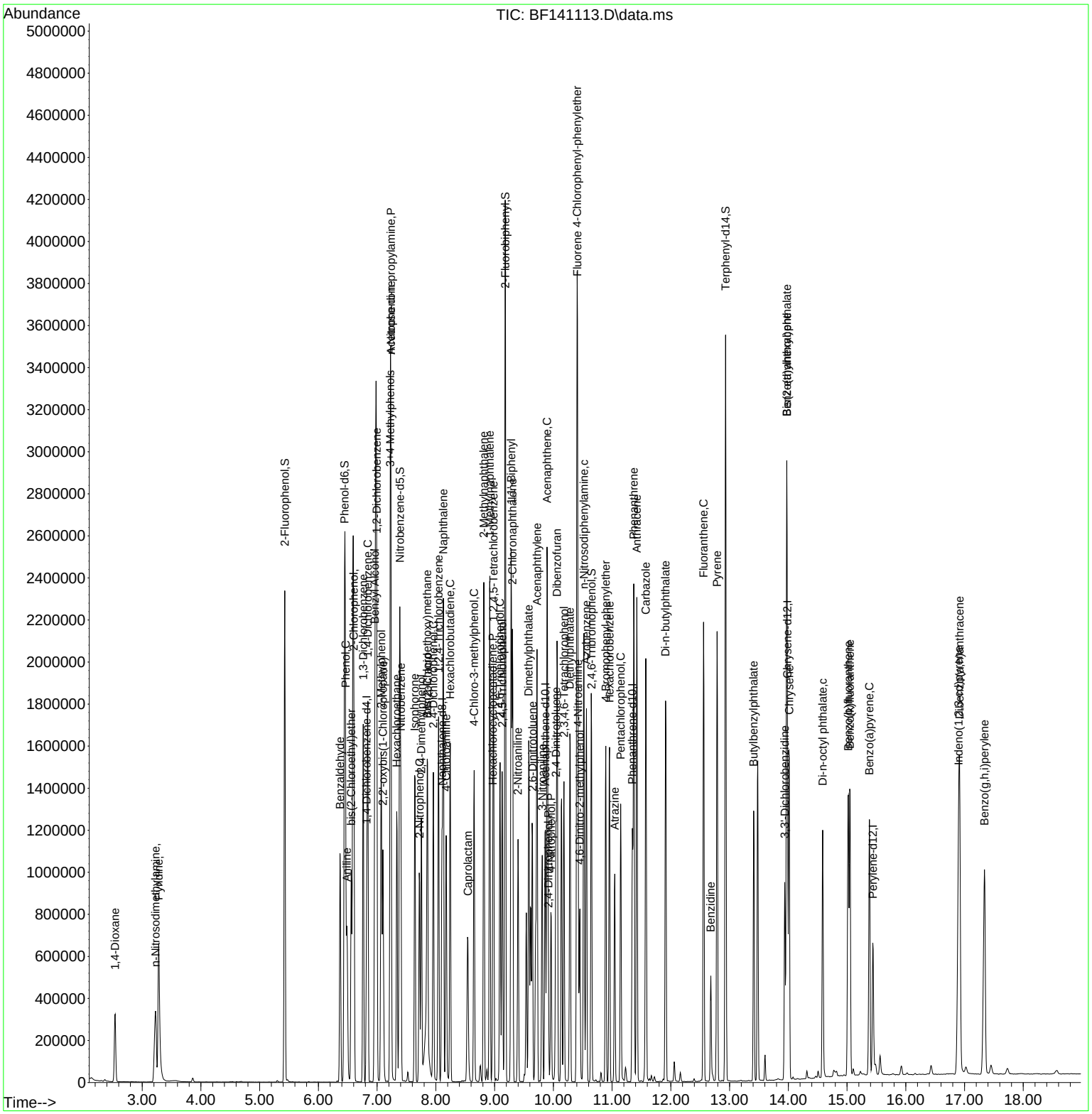
(#) = qualifier out of range (m) = manual integration (+) = signals summed

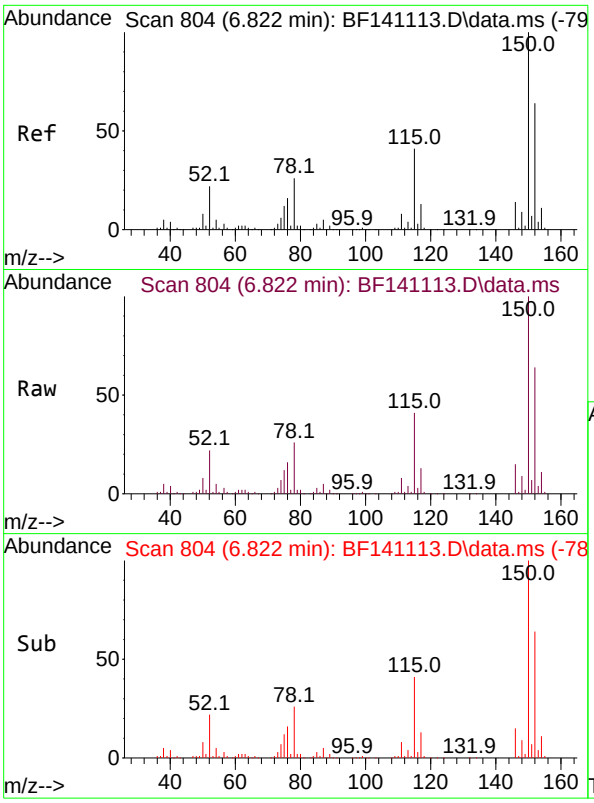
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141113.D
Acq On : 10 Jan 2025 14:36
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Quant Time: Jan 10 22:20:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration



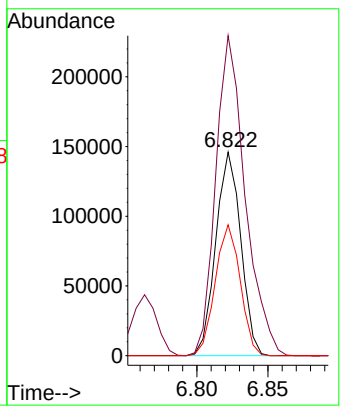


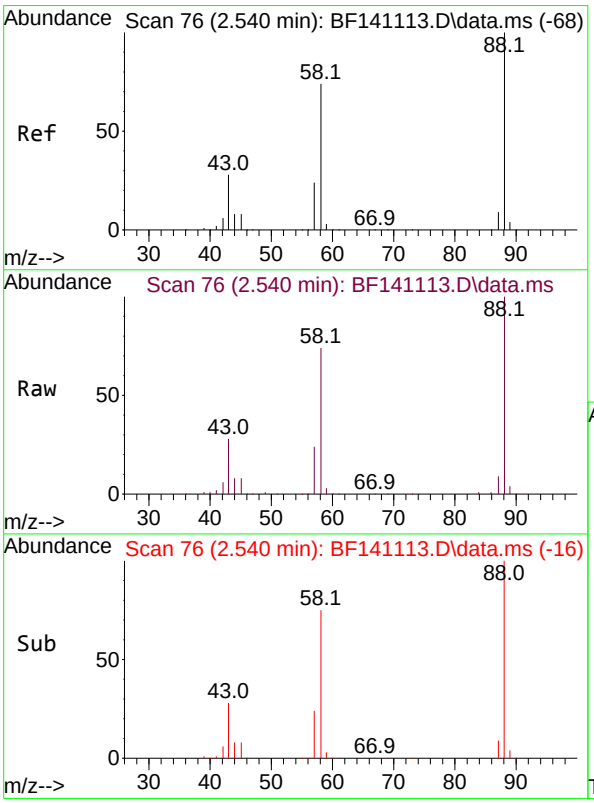

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:152 Resp: 178652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.3 | 125.8 | 188.8 |
| 115 | 64.3 | 51.4 | 77.2 |

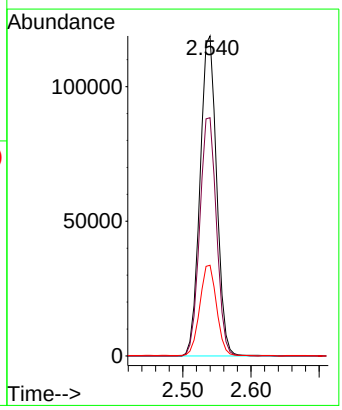


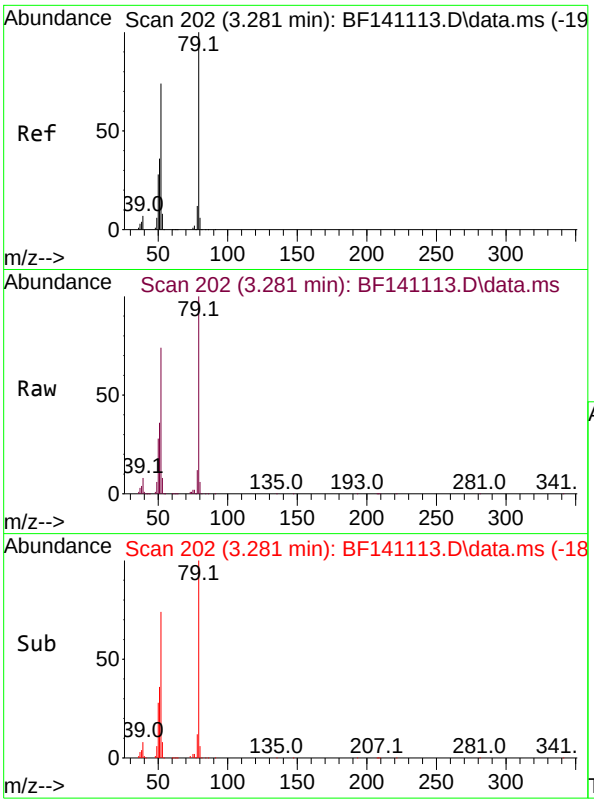




#2
1,4-Dioxane
Concen: 39.093 ng
RT: 2.540 min Scan# 76
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion: 88 Resp: 201329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.1 | 60.1 | 90.1 |
| 43 | 28.9 | 23.1 | 34.7 |



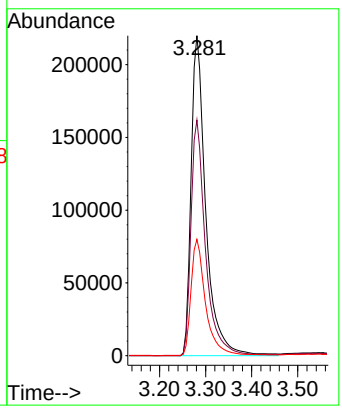


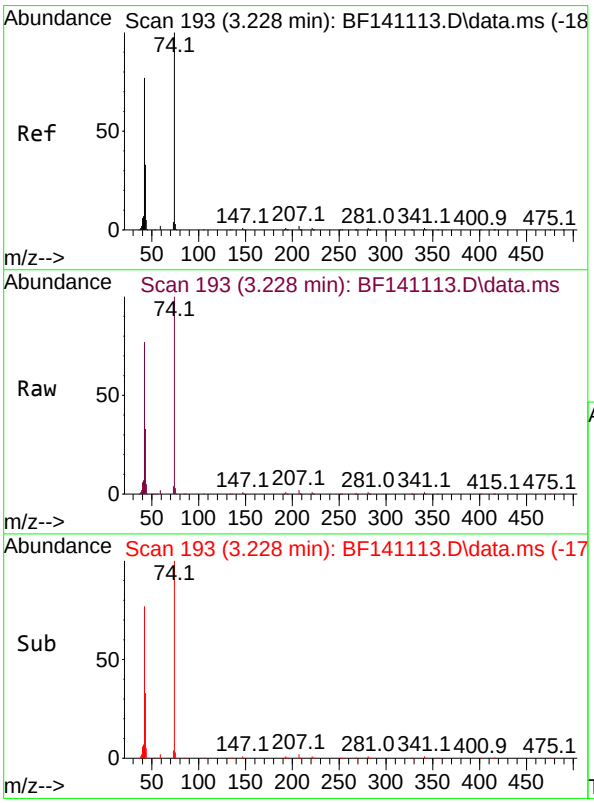

#3
Pyridine
Concen: 38.485 ng
RT: 3.281 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 79 Resp: 486021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 73.6 | 58.9 | 88.3 |
| 51 | 36.4 | 29.1 | 43.7 |

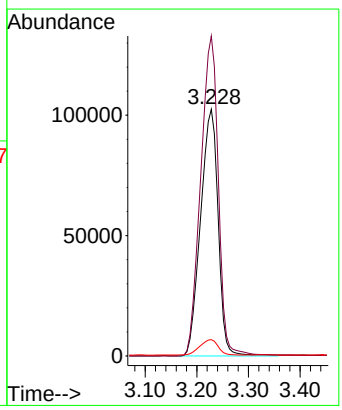


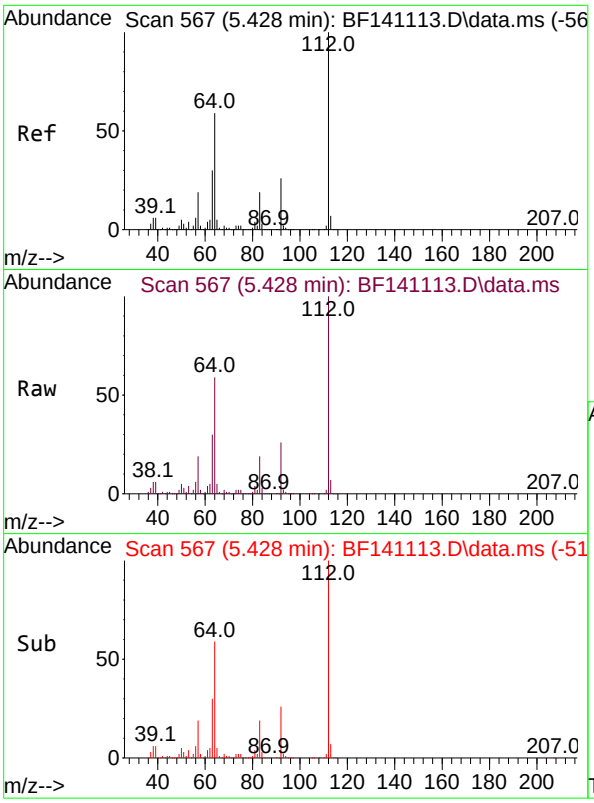




#4
n-Nitrosodimethylamine
Concen: 39.258 ng
RT: 3.228 min Scan# 193
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion: 42 Resp: 242419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 129.7 | 103.8 | 155.6 |
| 44 | 6.6 | 5.3 | 7.9 |



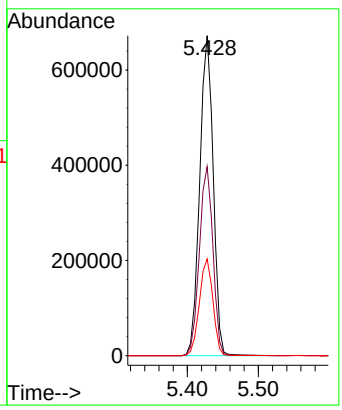


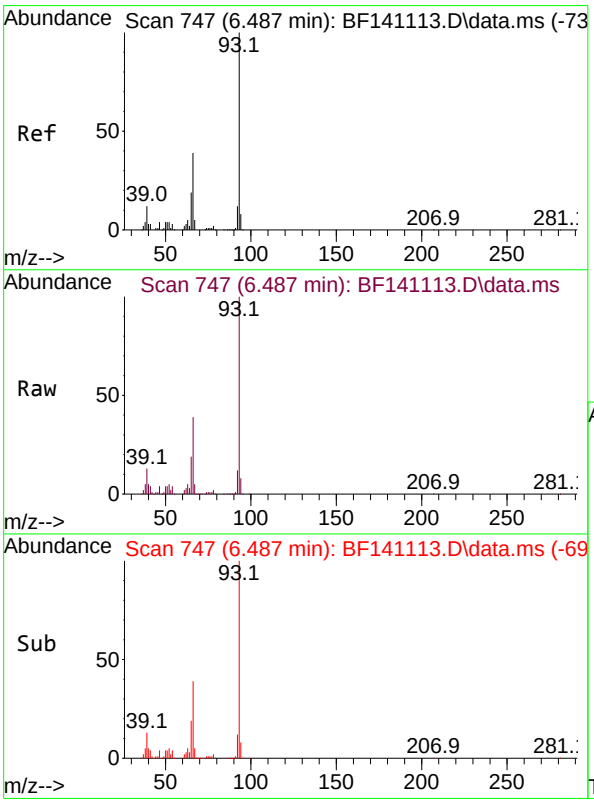

#5
2-Fluorophenol
Concen: 77.111 ng
RT: 5.428 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:112 Resp: 891763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.1 | 47.3 | 70.9 |
| 63 | 30.2 | 24.2 | 36.2 |

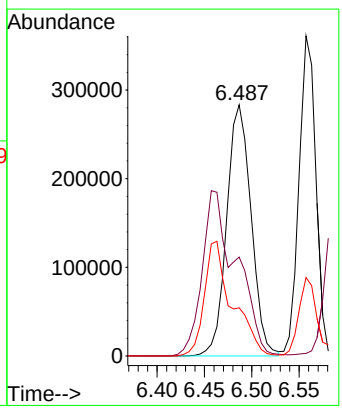


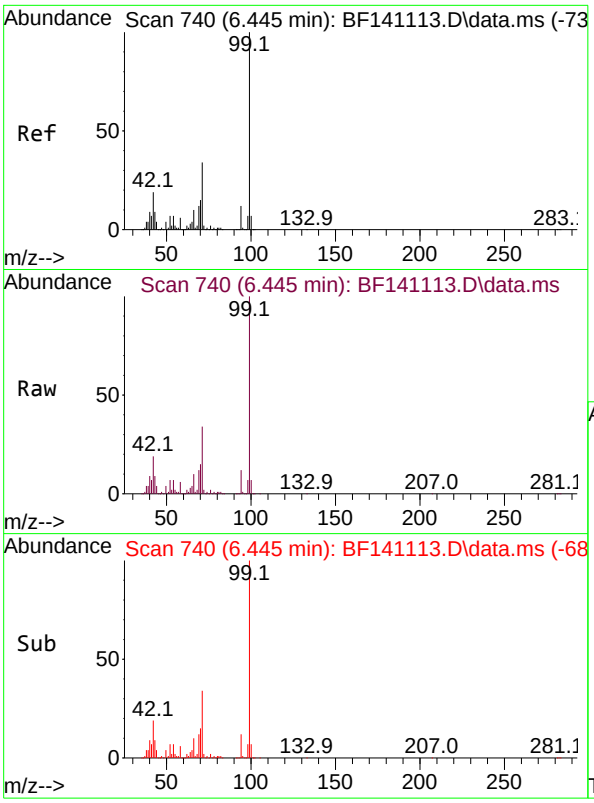




#6
Aniline
Concen: 39.127 ng
RT: 6.487 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion: 93 Resp: 508897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.4 | 31.5 | 47.3 |
| 65 | 19.1 | 15.3 | 22.9 |



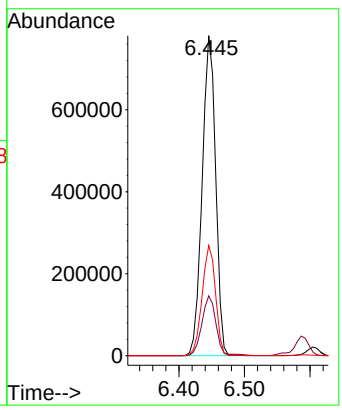


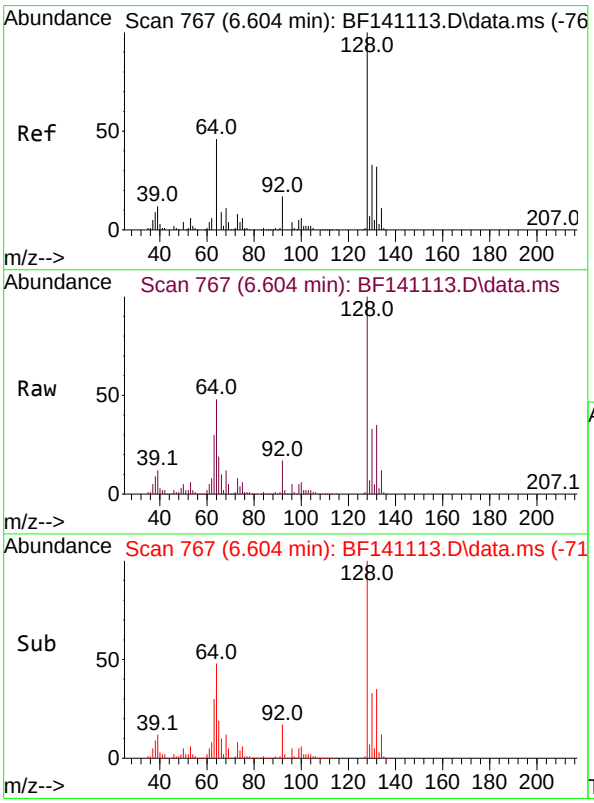

#7
Phenol-d6
Concen: 76.368 ng
RT: 6.445 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 99 Resp: 1118731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.7 | 15.0 | 22.4 |
| 71 | 34.5 | 27.6 | 41.4 |

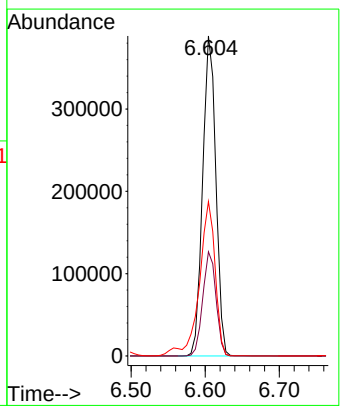


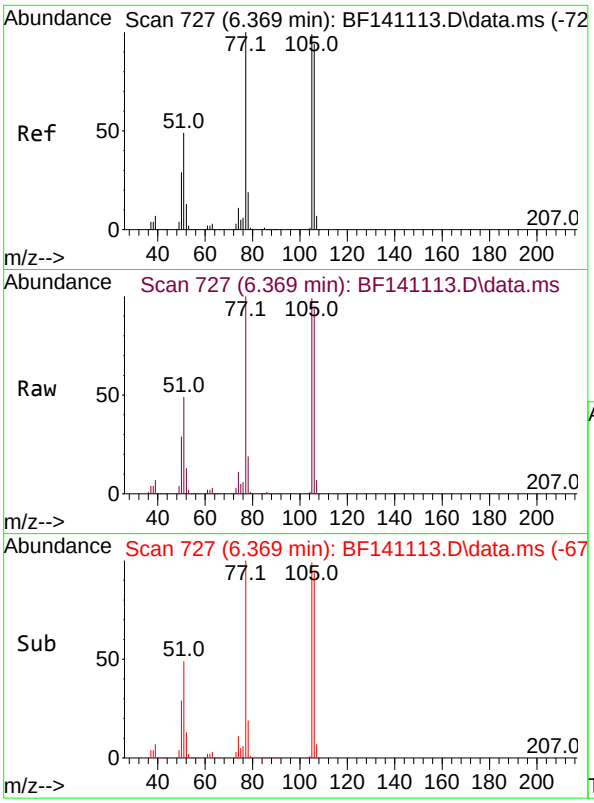




#8
2-Chlorophenol
Concen: 38.726 ng
RT: 6.604 min Scan# 767
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:128 Resp: 480497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.5 | 12.5 | 52.5 |
| 64 | 48.3 | 28.3 | 68.3 |



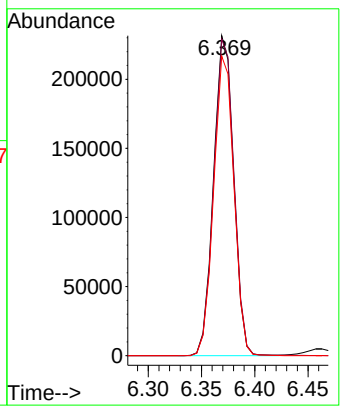


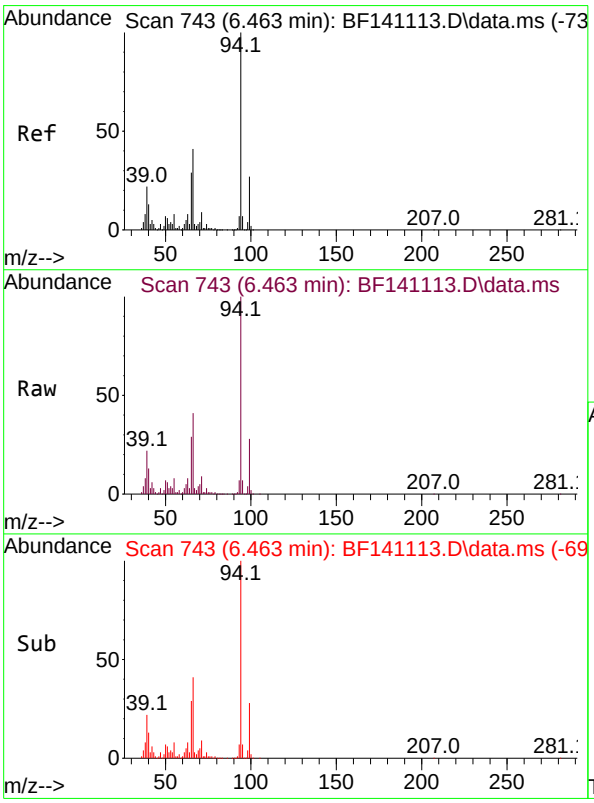

#9
Benzaldehyde
Concen: 37.048 ng
RT: 6.369 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 77 Resp: 303180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 98.9 | 78.9 | 118.9 |
| 106 | 93.6 | 73.6 | 113.6 |

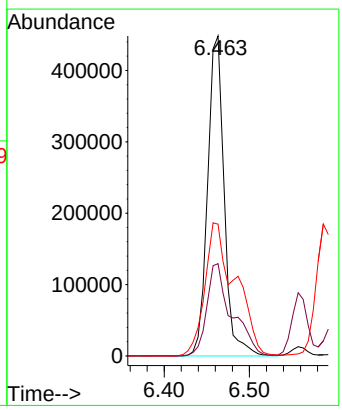


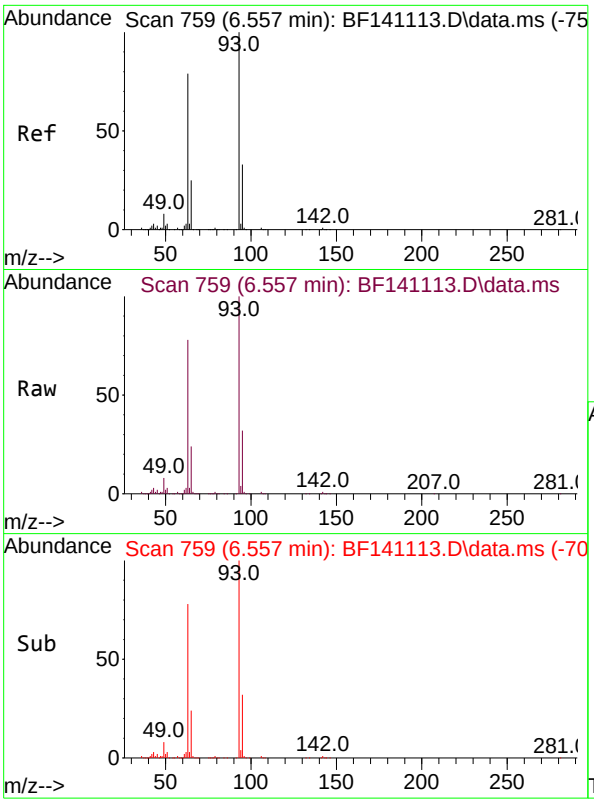




#10
Phenol
Concen: 38.754 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion: 94 Resp: 607714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.9 | 8.9 | 48.9 |
| 66 | 41.2 | 21.2 | 61.2 |



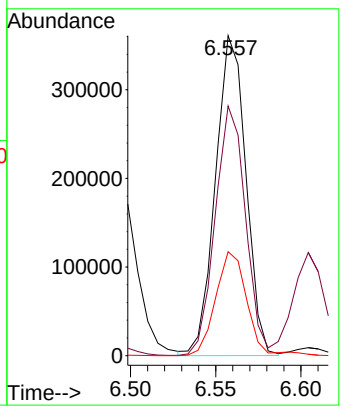


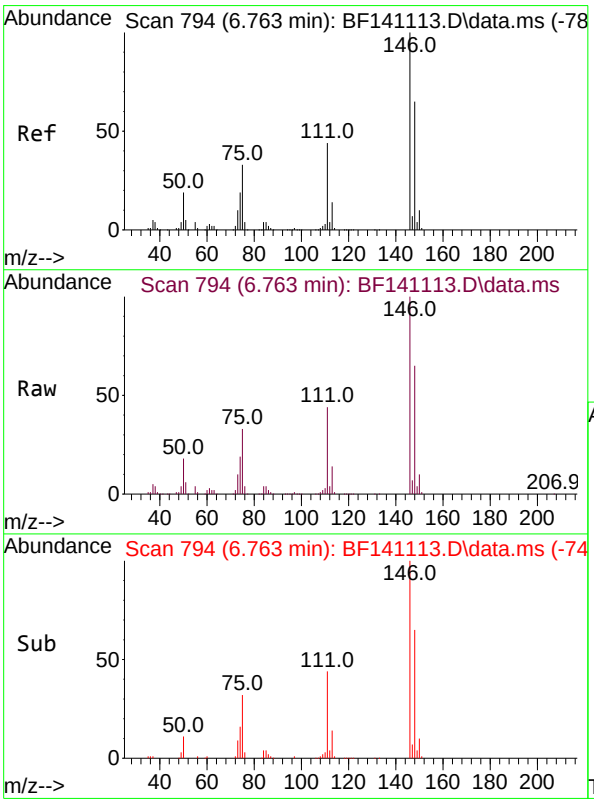

#11
bis(2-Chloroethyl)ether
Concen: 38.412 ng
RT: 6.557 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 93 Resp: 448899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 78.0 | 58.0 | 98.0 |
| 95 | 32.5 | 12.5 | 52.5 |

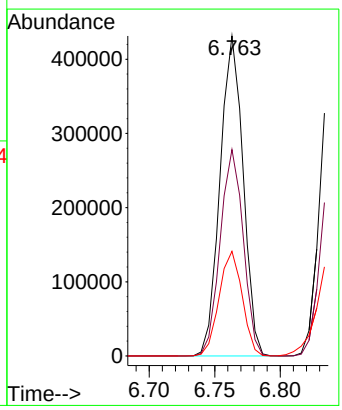


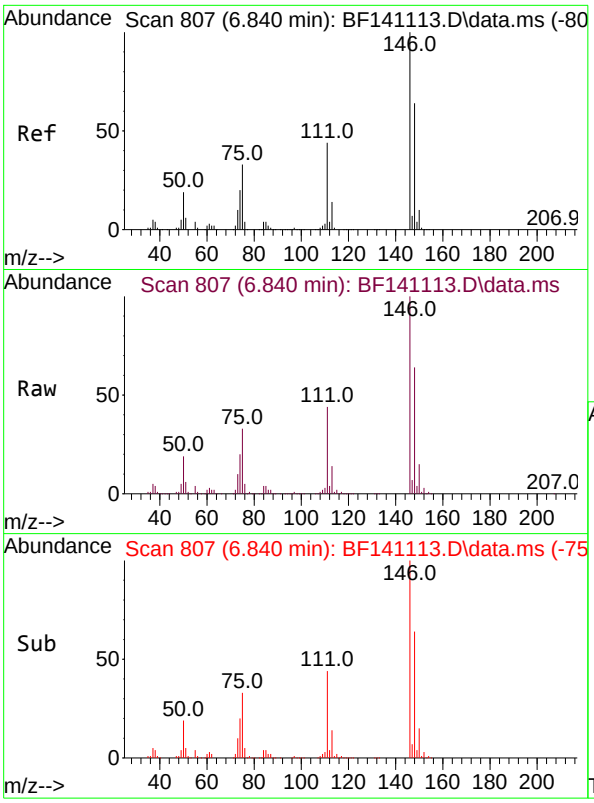




#12
1,3-Dichlorobenzene
Concen: 38.109 ng
RT: 6.763 min Scan# 794
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:146 Resp: 527365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.5 | 51.6 | 77.4 |
| 75 | 32.7 | 26.2 | 39.2 |



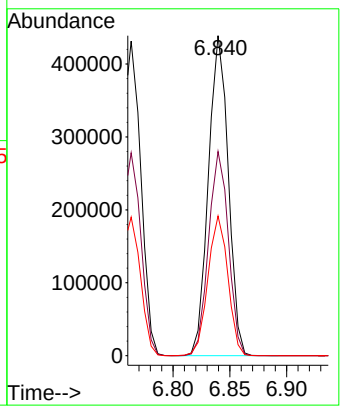


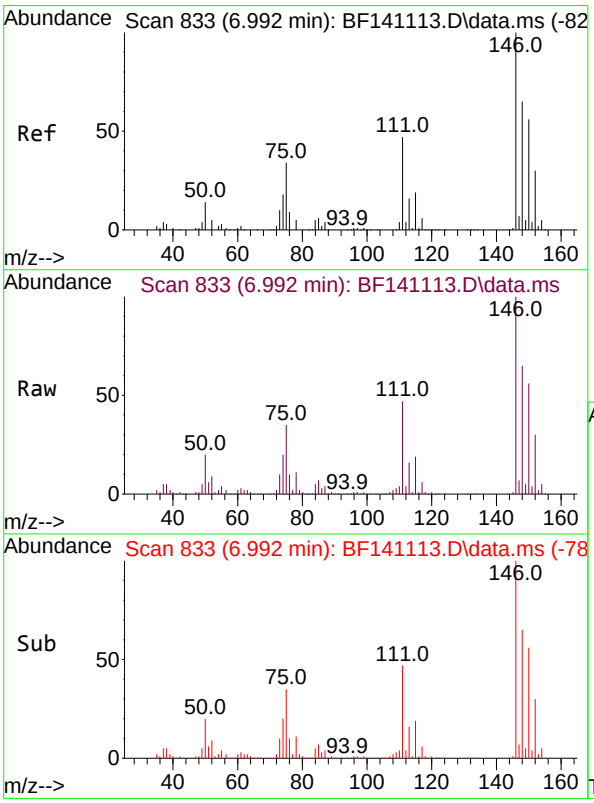

#13
1,4-Dichlorobenzene
Concen: 38.317 ng
RT: 6.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:146 Resp: 534324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.0 | 76.6 |
| 111 | 43.6 | 34.9 | 52.3 |

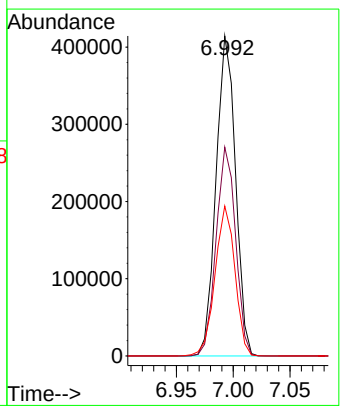


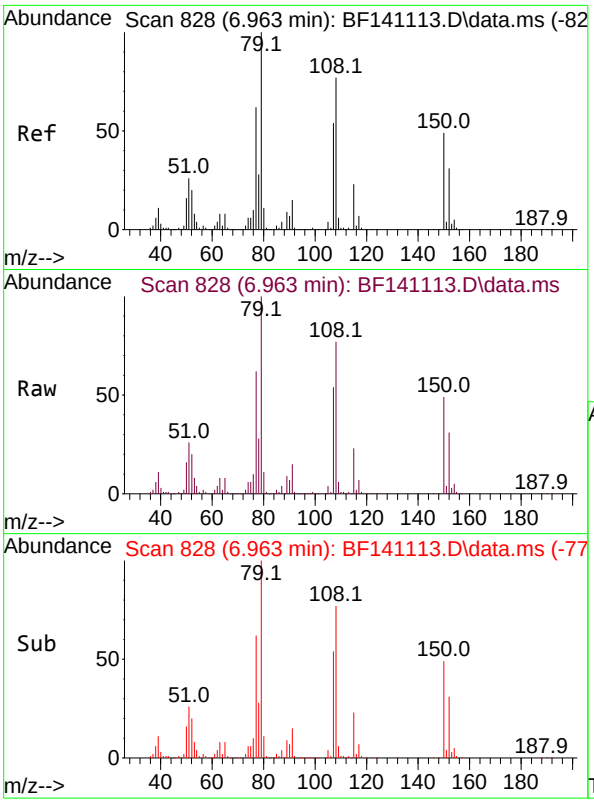




#14
1,2-Dichlorobenzene
Concen: 37.968 ng
RT: 6.992 min Scan# 833
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:146 Resp: 493883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.3 | 52.2 | 78.4 |
| 111 | 46.9 | 37.5 | 56.3 |



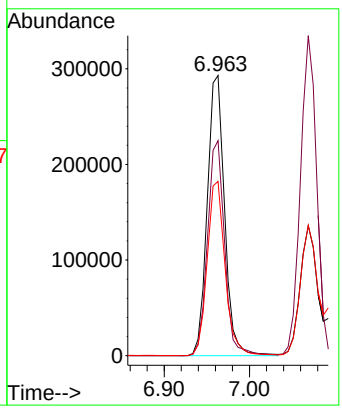


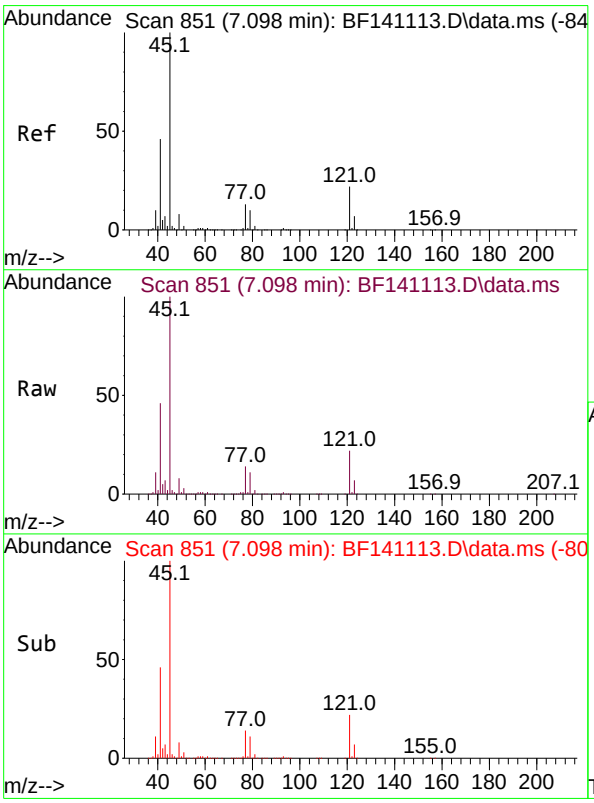

#15
Benzyl Alcohol
Concen: 39.120 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 79 Resp: 413856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.7 | 61.4 | 92.0 |
| 77 | 62.2 | 49.8 | 74.6 |

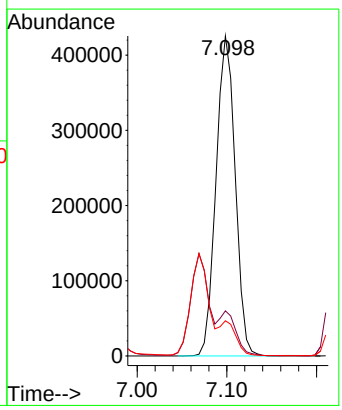


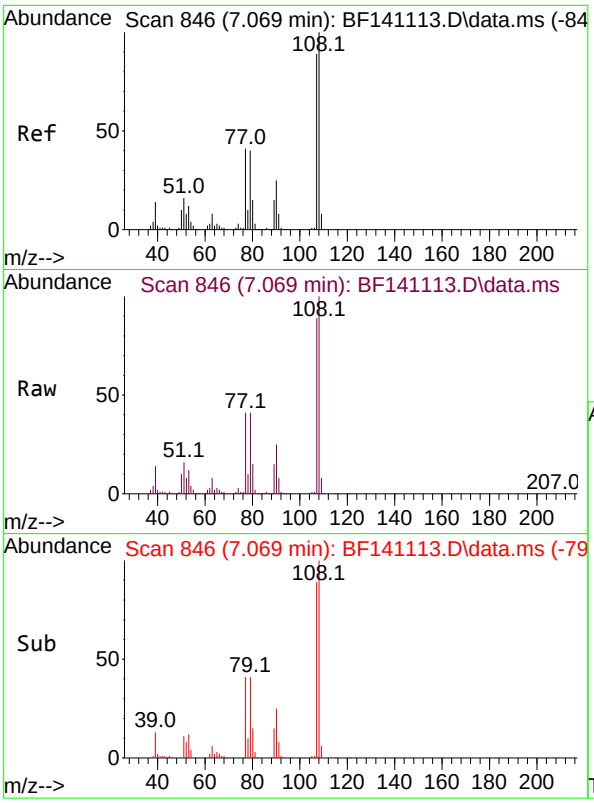




#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.691 ng
RT: 7.098 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion: 45 Resp: 630969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.1 | 0.0 | 34.1 |
| 79 | 11.0 | 0.0 | 31.0 |



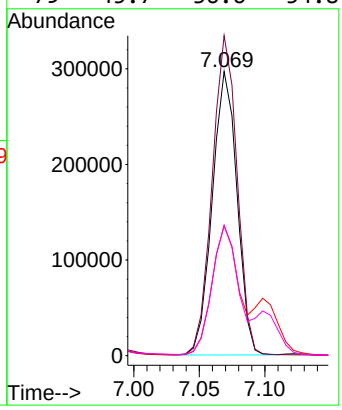


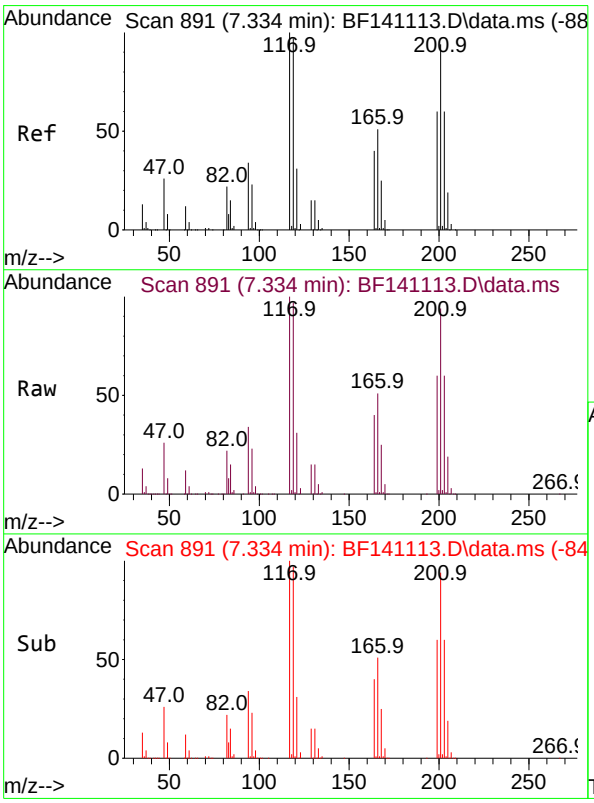

#17
2-Methylphenol
Concen: 38.821 ng
RT: 7.069 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:107 Resp: 388877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.6 | 90.1 | 135.1 |
| 77 | 45.8 | 36.6 | 55.0 |
| 79 | 45.7 | 36.6 | 54.8 |

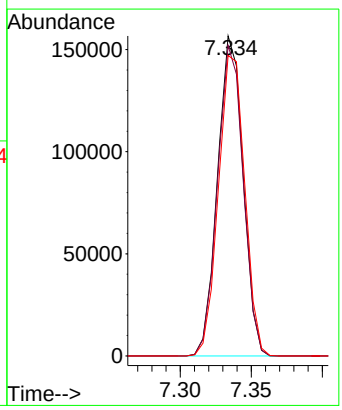


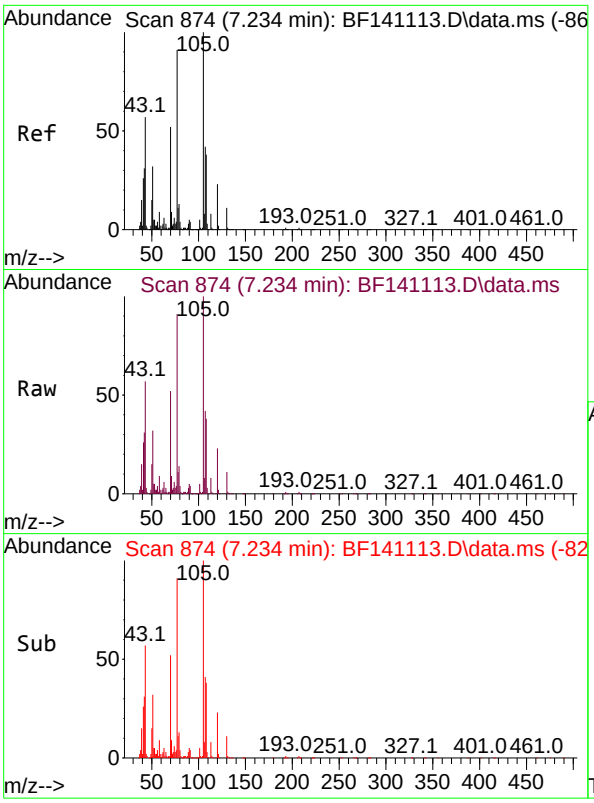




#18
Hexachloroethane
Concen: 38.816 ng
RT: 7.334 min Scan# 891
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:117 Resp: 195745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.0 | 77.6 | 116.4 |
| 201 | 93.9 | 75.1 | 112.7 |



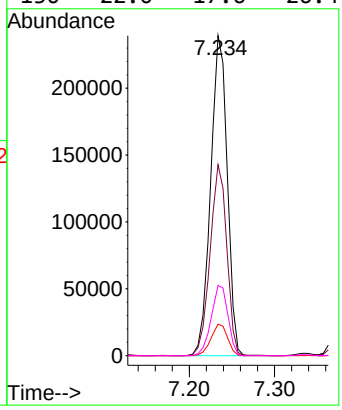


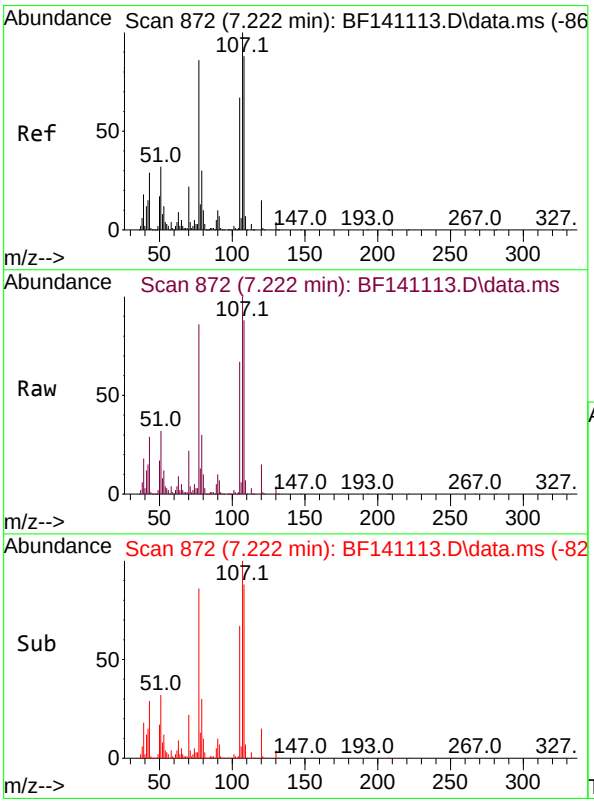

#19
n-Nitroso-di-n-propylamine
Concen: 37.522 ng
RT: 7.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 70 Resp: 323787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 59.7 | 47.8 | 71.6 |
| 101 | 9.9 | 7.9 | 11.9 |
| 130 | 22.0 | 17.6 | 26.4 |

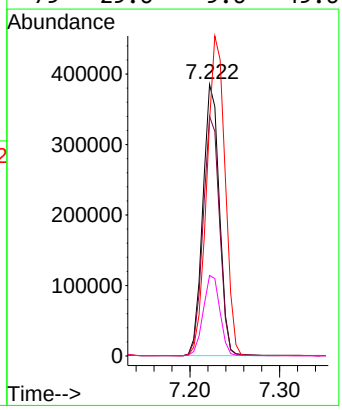


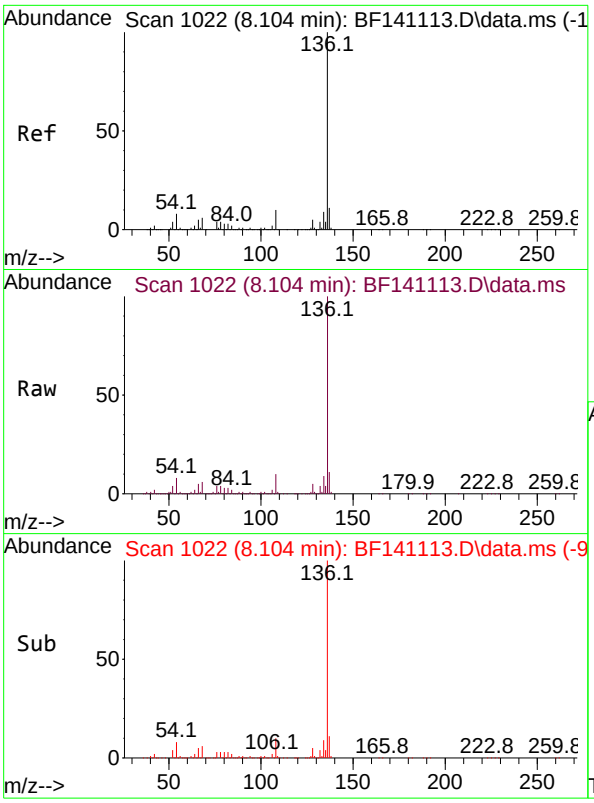




#20
3+4-Methylphenols
Concen: 38.868 ng
RT: 7.222 min Scan# 872
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:107 Resp: 491194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.3 | 68.3 | 108.3 |
| 77 | 86.4 | 66.4 | 106.4 |
| 79 | 29.6 | 9.6 | 49.6 |



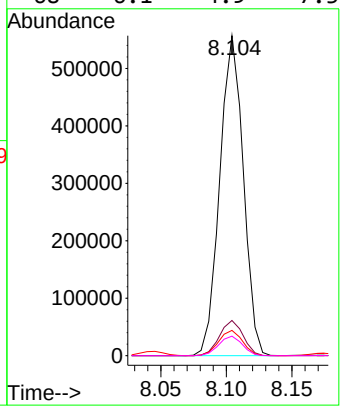


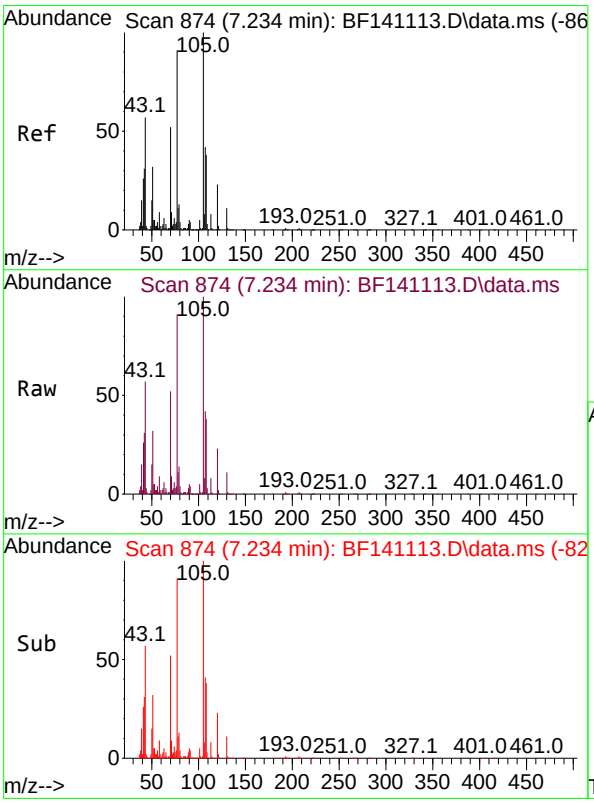

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:136 Resp: 695197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 7.9 | 6.3 | 9.5 |
| 68 | 6.1 | 4.9 | 7.3 |

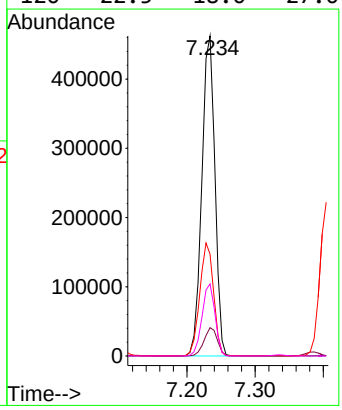


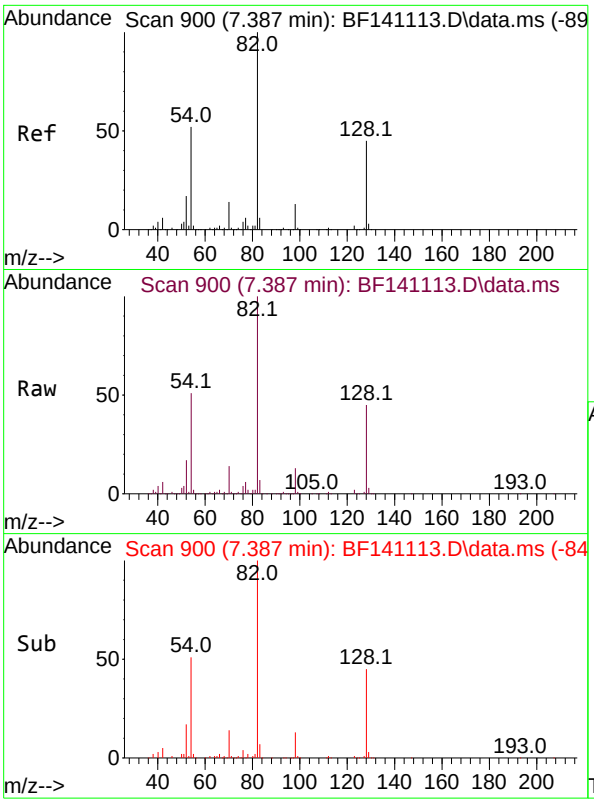




#22
Acetophenone
Concen: 37.419 ng
RT: 7.234 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:105 Resp: 618403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.9 | 7.1 | 10.7 |
| 51 | 31.8 | 25.4 | 38.2 |
| 120 | 22.5 | 18.0 | 27.0 |



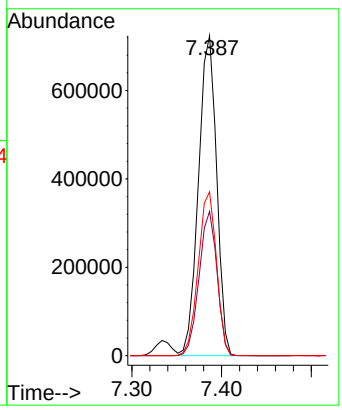


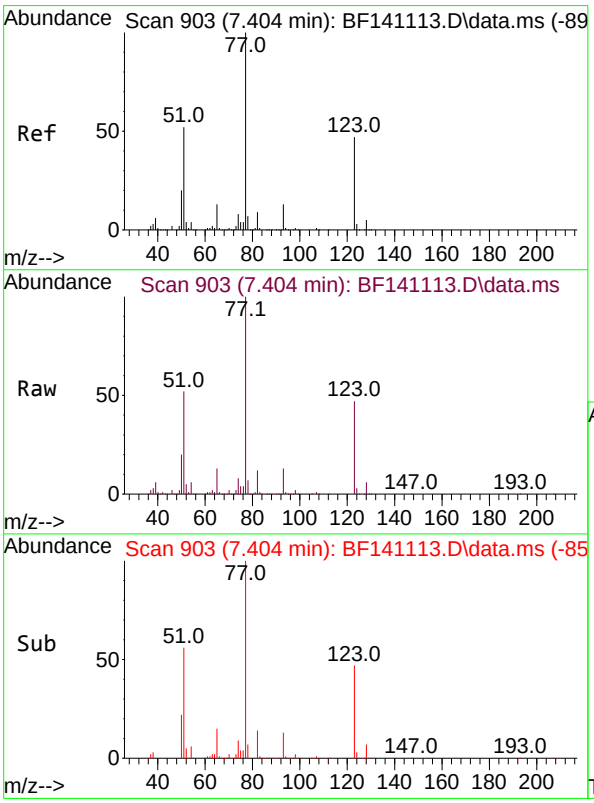

#23
Nitrobenzene-d5
Concen: 77.401 ng
RT: 7.387 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 82 Resp: 1015102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.1 | 36.1 | 54.1 |
| 54 | 51.2 | 41.0 | 61.4 |

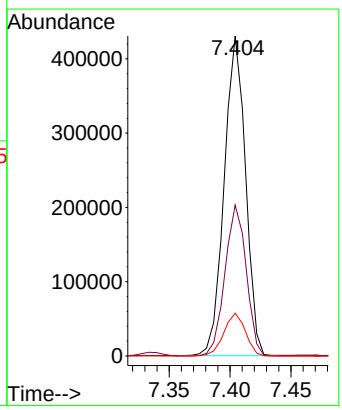


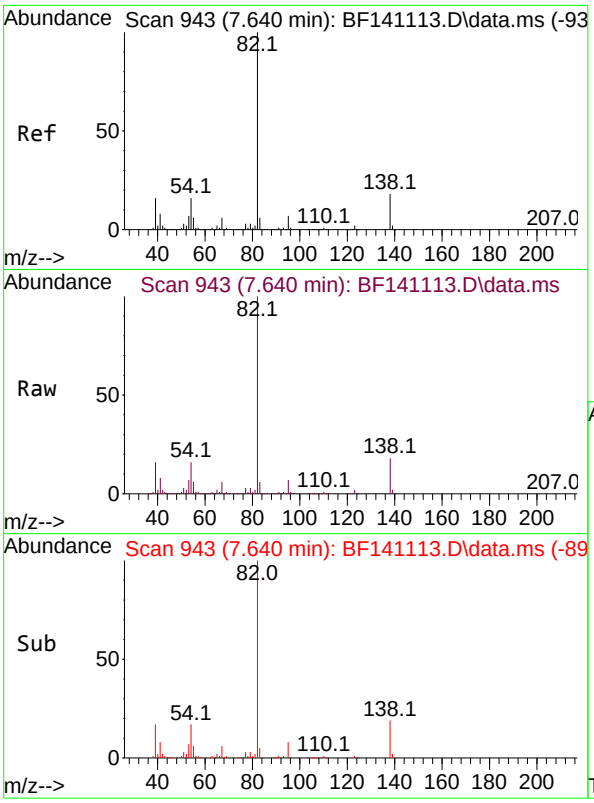




#24
Nitrobenzene
Concen: 38.355 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion: 77 Resp: 524255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.1 | 37.7 | 56.5 |
| 65 | 13.3 | 10.6 | 16.0 |



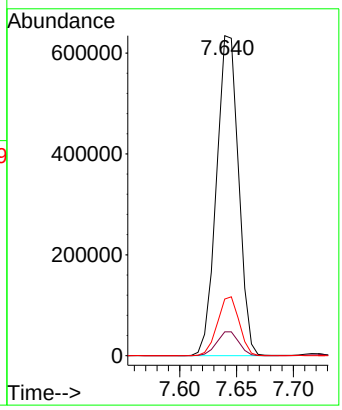


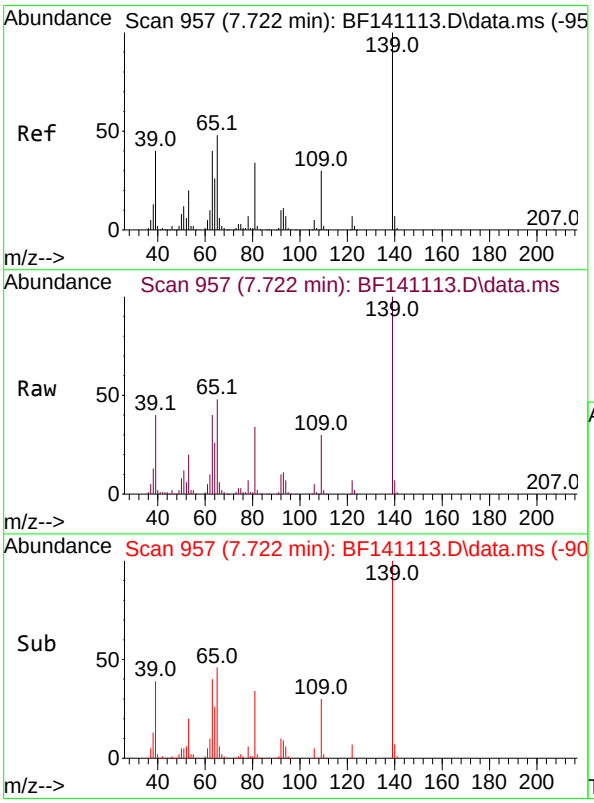

#25
Isophorone
Concen: 38.280 ng
RT: 7.640 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 82 Resp: 857957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.4 | 5.9 | 8.9 |
| 138 | 17.7 | 14.2 | 21.2 |

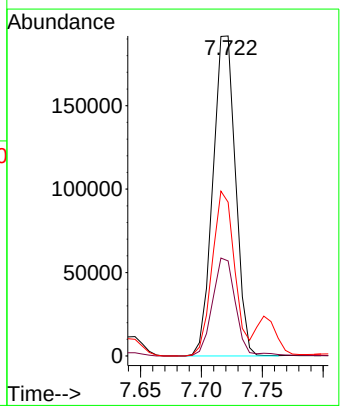


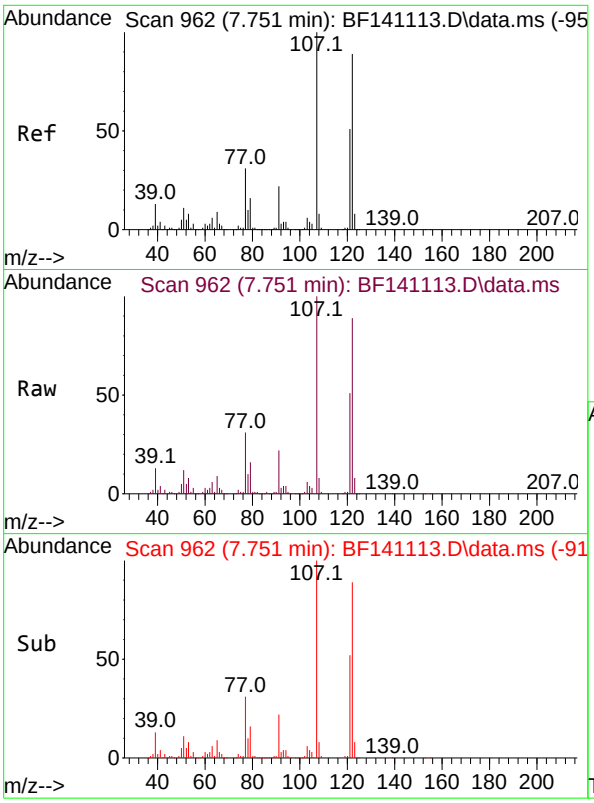




#26
2-Nitrophenol
Concen: 39.881 ng
RT: 7.722 min Scan# 957
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:139 Resp: 247962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.7 | 23.8 | 35.6 |
| 65 | 48.1 | 38.5 | 57.7 |



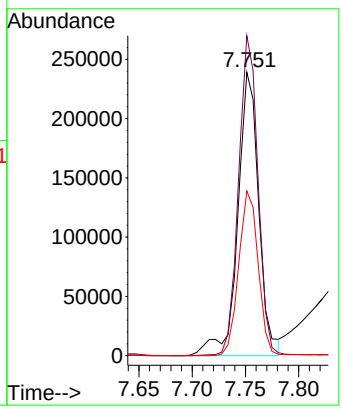


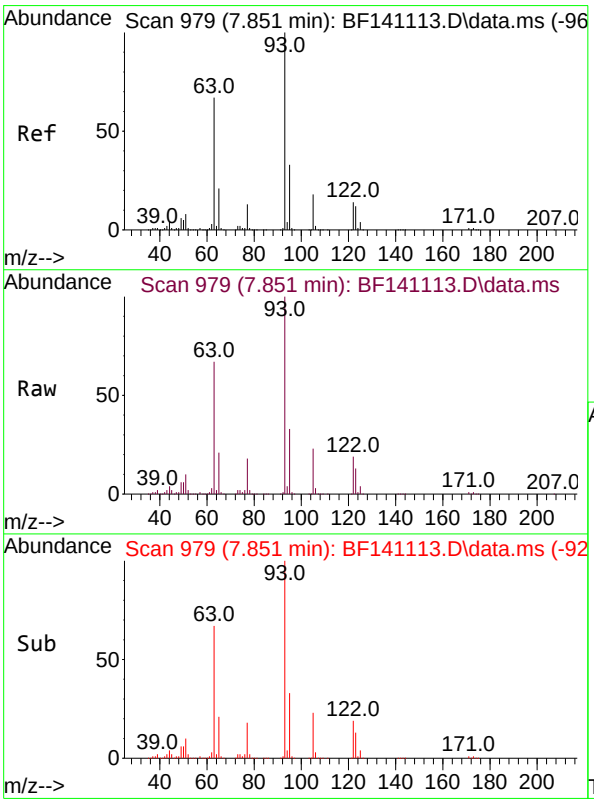

#27
2,4-Dimethylphenol
Concen: 39.185 ng
RT: 7.751 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:122 Resp: 328632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.9 | 90.3 | 135.5 |
| 121 | 58.1 | 46.5 | 69.7 |

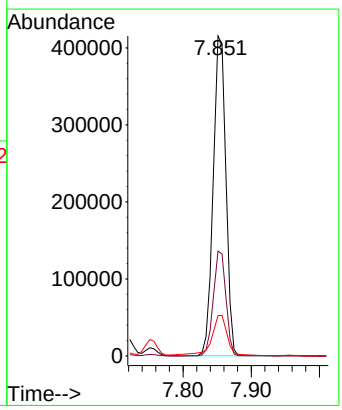


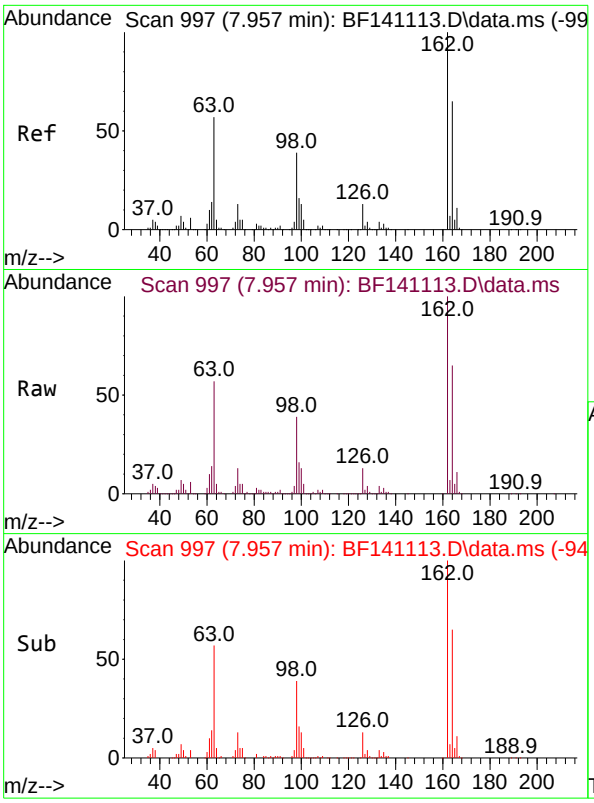




#28
bis(2-Chloroethoxy)methane
Concen: 38.228 ng
RT: 7.851 min Scan# 979
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion: 93 Resp: 537705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.8 | 26.2 | 39.4 |
| 123 | 12.6 | 10.1 | 15.1 |



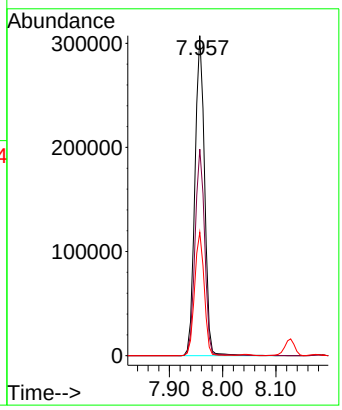


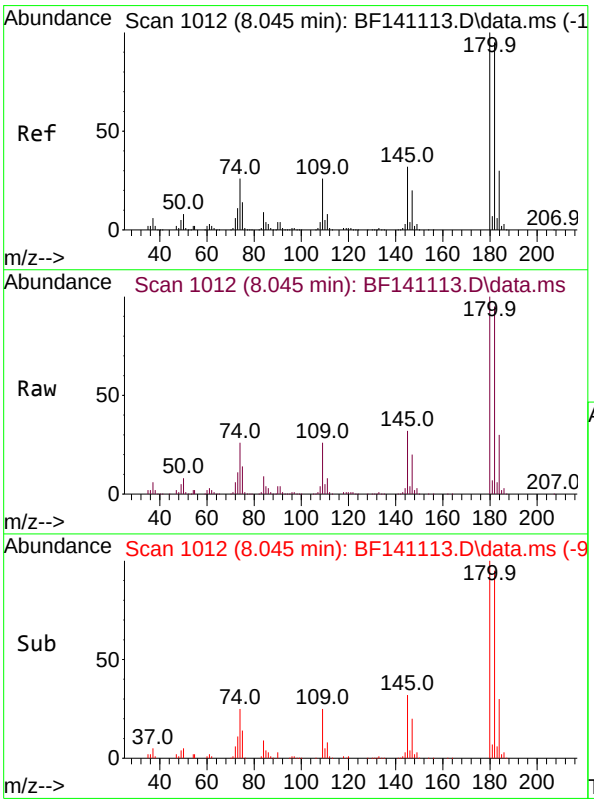

#29
2,4-Dichlorophenol
Concen: 38.711 ng
RT: 7.957 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:162 Resp: 385578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.5 | 44.5 | 84.5 |
| 98 | 38.5 | 18.5 | 58.5 |

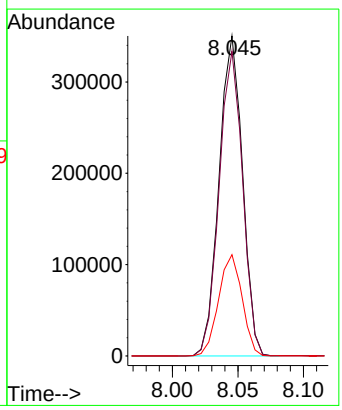


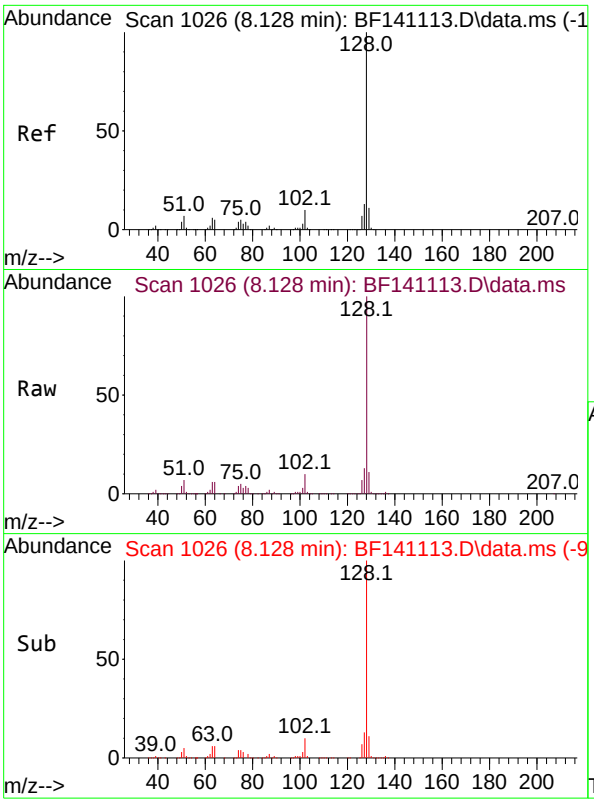




#30
1,2,4-Trichlorobenzene
Concen: 38.288 ng
RT: 8.045 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:180 Resp: 435914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 76.2 | 114.2 |
| 145 | 31.6 | 25.3 | 37.9 |



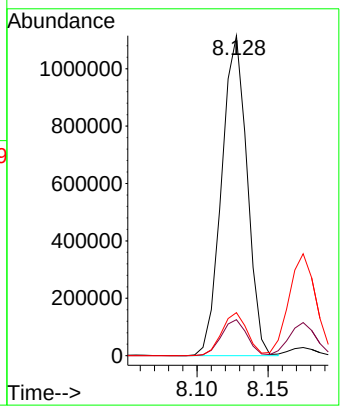


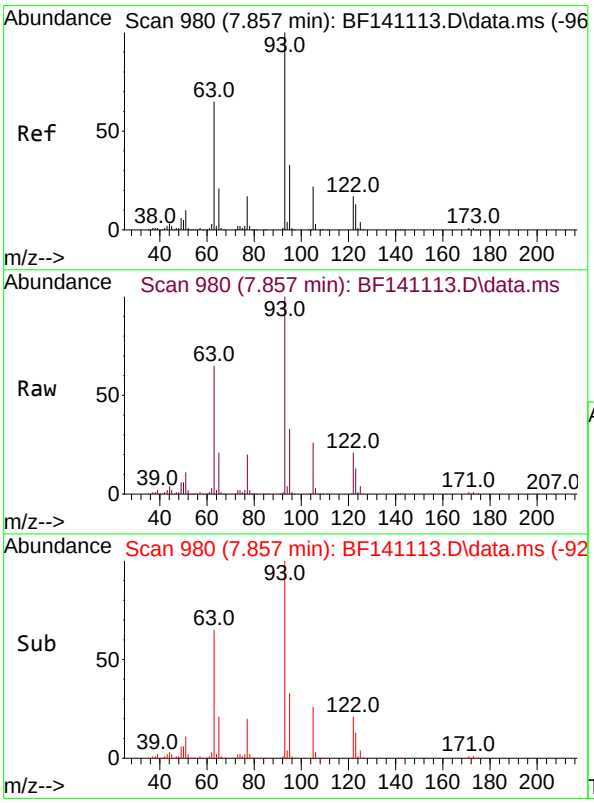

#31
Naphthalene
Concen: 37.866 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:128 Resp: 1388249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 9.0 | 13.6 |
| 127 | 13.5 | 10.8 | 16.2 |

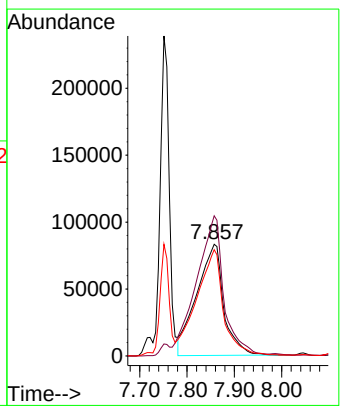


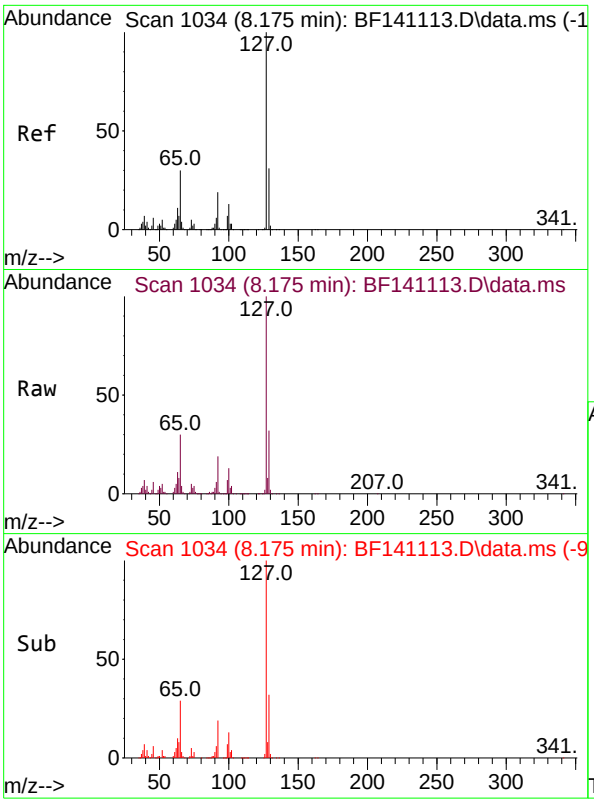




#32
Benzoic acid
Concen: 41.119 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:122 Resp: 330807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 125.5 | 105.5 | 145.5 |
| 77 | 95.1 | 75.1 | 115.1 |



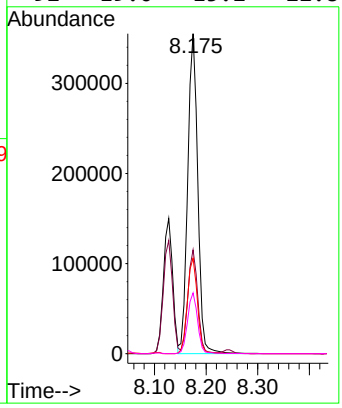


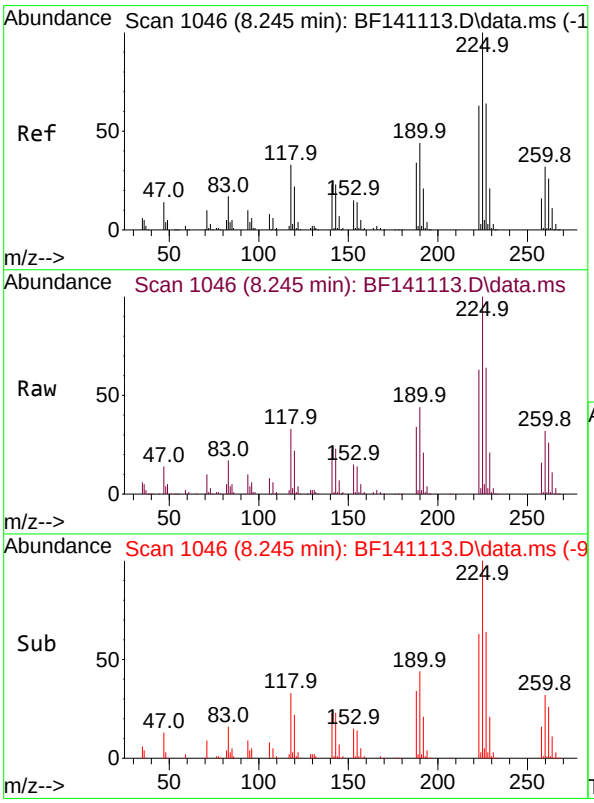

#33
4-Chloroaniline
Concen: 37.789 ng
RT: 8.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:127 Resp: 479132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.4 | 25.9 | 38.9 |
| 65 | 29.8 | 23.8 | 35.8 |
| 92 | 19.0 | 15.2 | 22.8 |

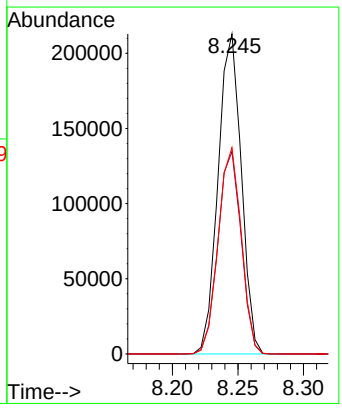


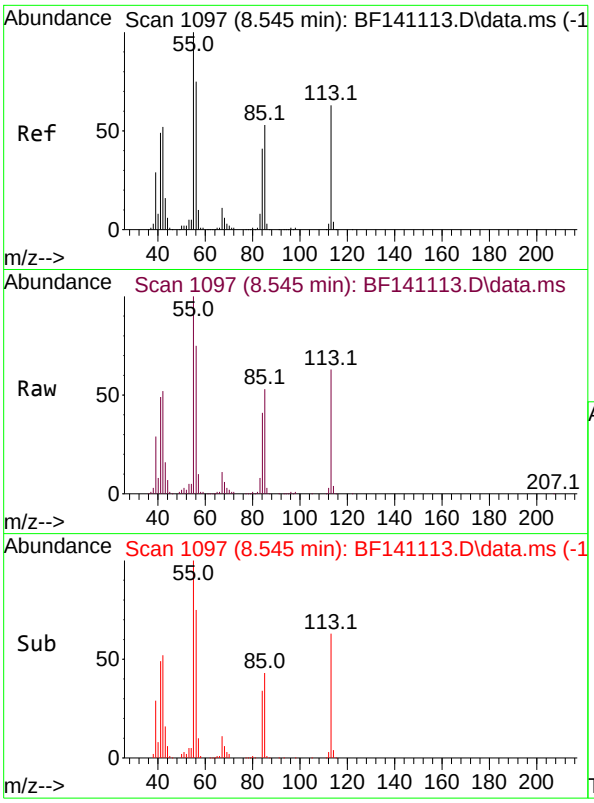




#34
Hexachlorobutadiene
Concen: 38.143 ng
RT: 8.245 min Scan# 1046
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:225 Resp: 261671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.3 | 50.6 | 76.0 |
| 227 | 64.5 | 51.6 | 77.4 |



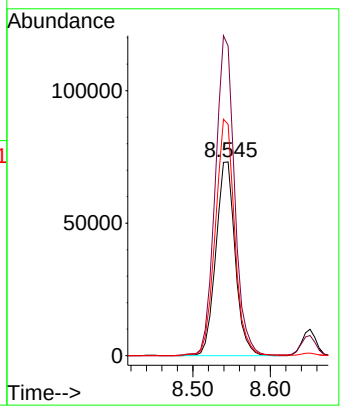


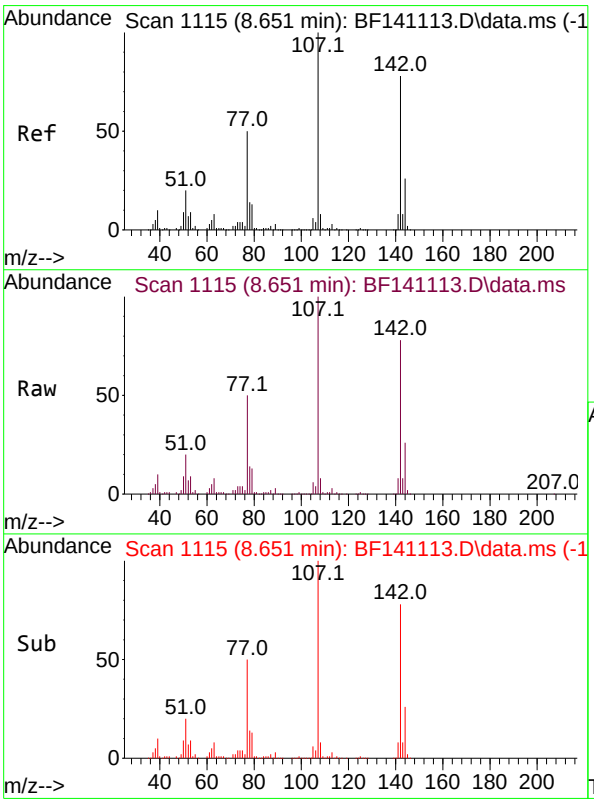

#35
Caprolactam
Concen: 38.712 ng
RT: 8.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:113 Resp: 126481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 159.7 | 139.7 | 179.7 |
| 56 | 119.4 | 99.4 | 139.4 |

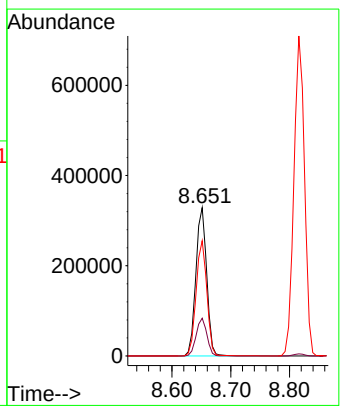


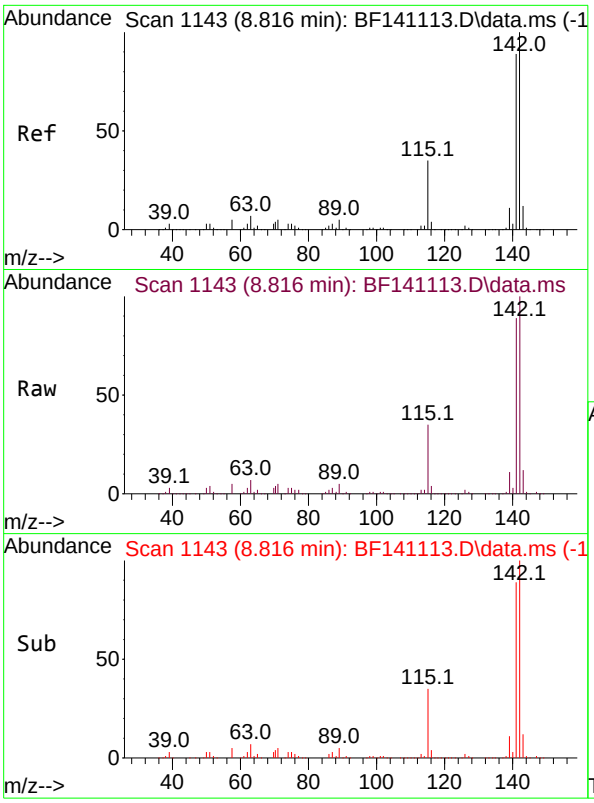




#36
4-Chloro-3-methylphenol
Concen: 38.566 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:107 Resp: 420106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.5 | 20.4 | 30.6 |
| 142 | 77.7 | 62.2 | 93.2 |



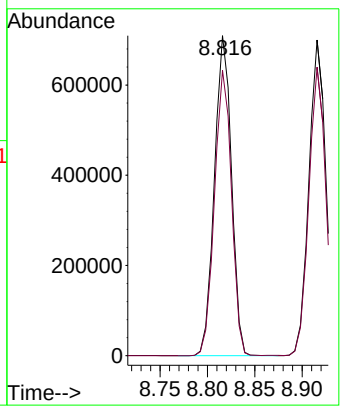


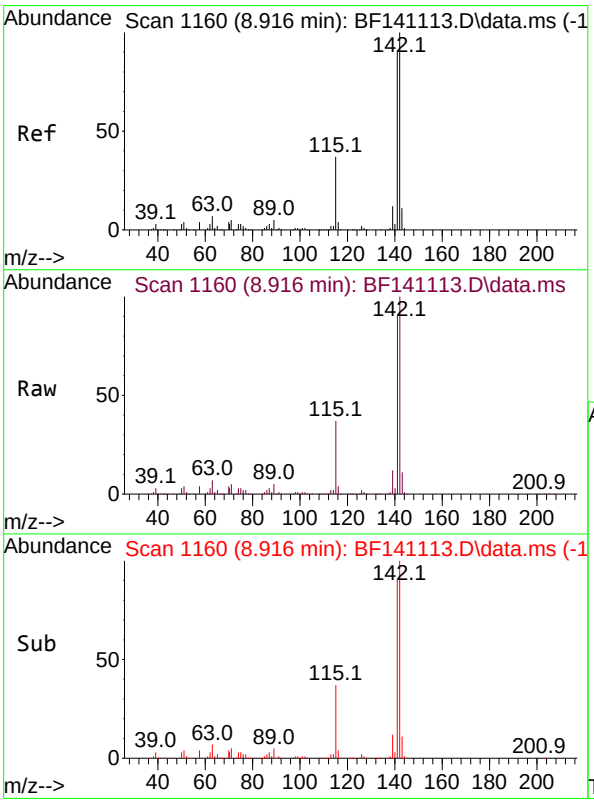

#37
2-Methylnaphthalene
Concen: 37.973 ng
RT: 8.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:142 Resp: 887132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.1 | 71.3 | 106.9 |

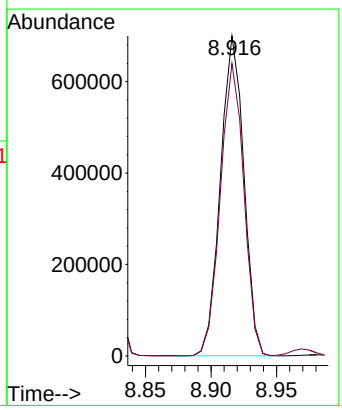


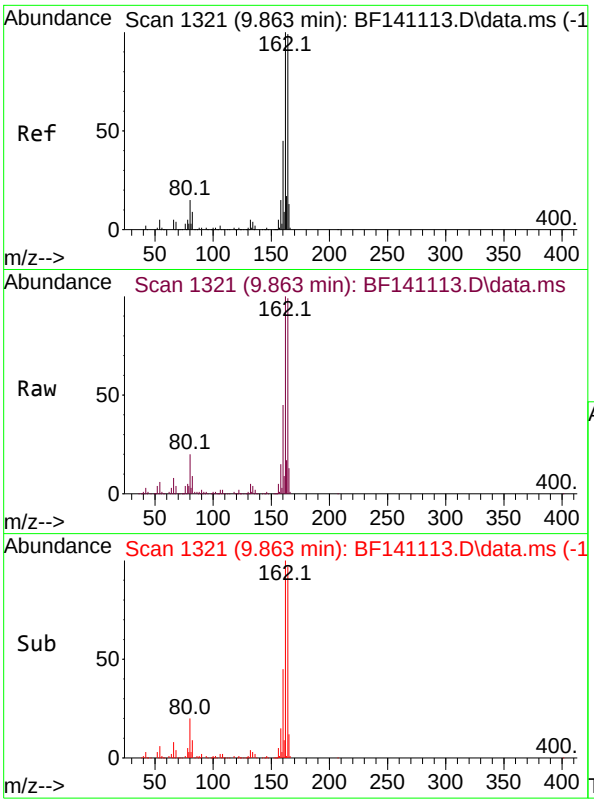




#38
1-Methylnaphthalene
Concen: 37.724 ng
RT: 8.916 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:142 Resp: 868573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.4 | 73.1 | 109.7 |



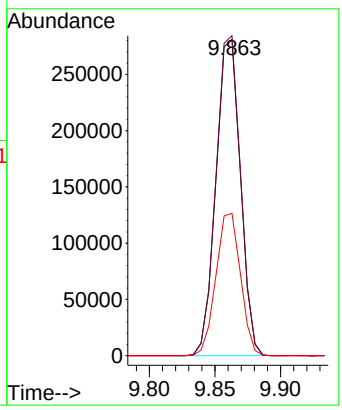


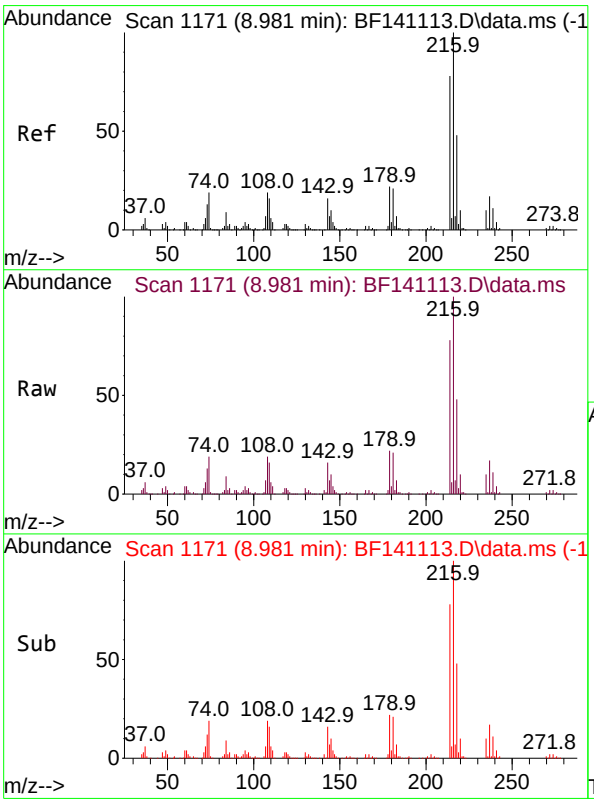

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:164 Resp: 363903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.2 | 81.0 | 121.4 |
| 160 | 45.1 | 36.1 | 54.1 |

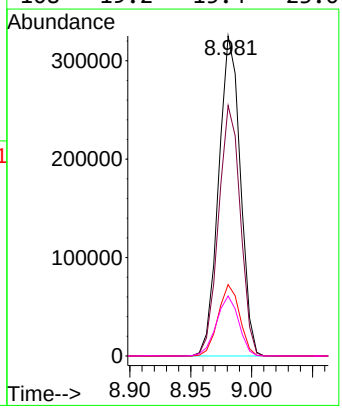


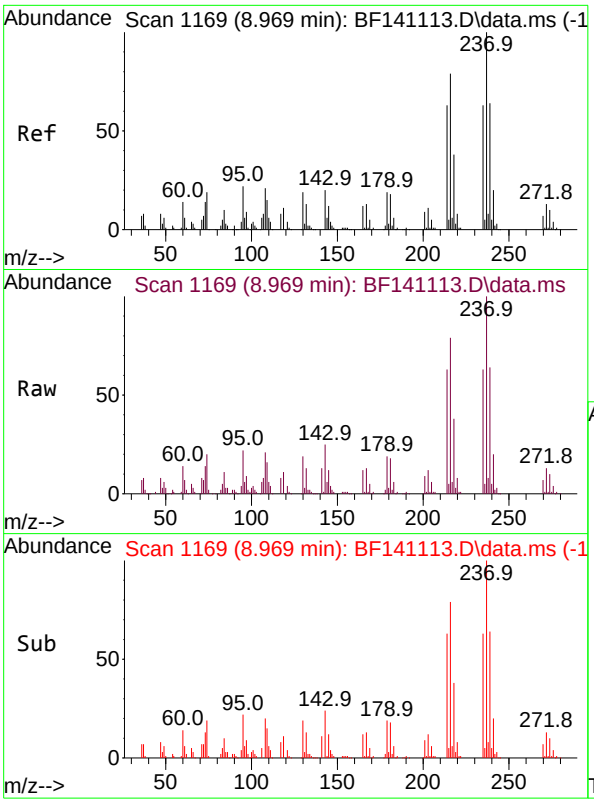




#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.626 ng
RT: 8.981 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:216 Resp: 403442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.3 | 62.6 | 94.0 |
| 179 | 22.1 | 17.7 | 26.5 |
| 108 | 19.2 | 15.4 | 23.0 |



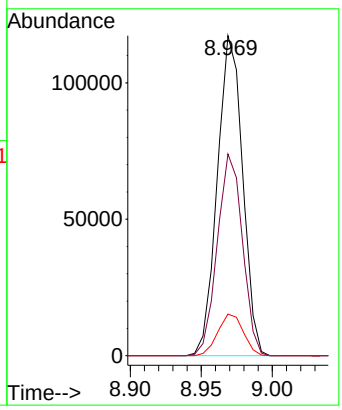


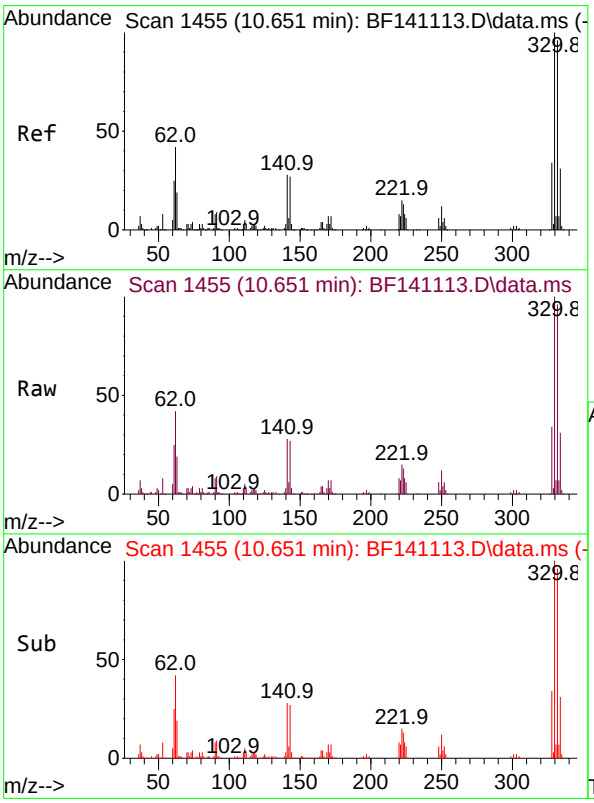

#41
Hexachlorocyclopentadiene
Concen: 42.508 ng
RT: 8.969 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:237 Resp: 145258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.0 | 43.0 | 83.0 |
| 272 | 13.0 | 0.0 | 33.0 |

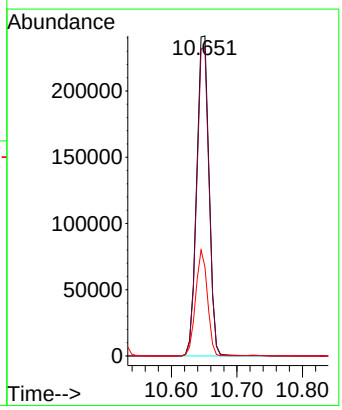


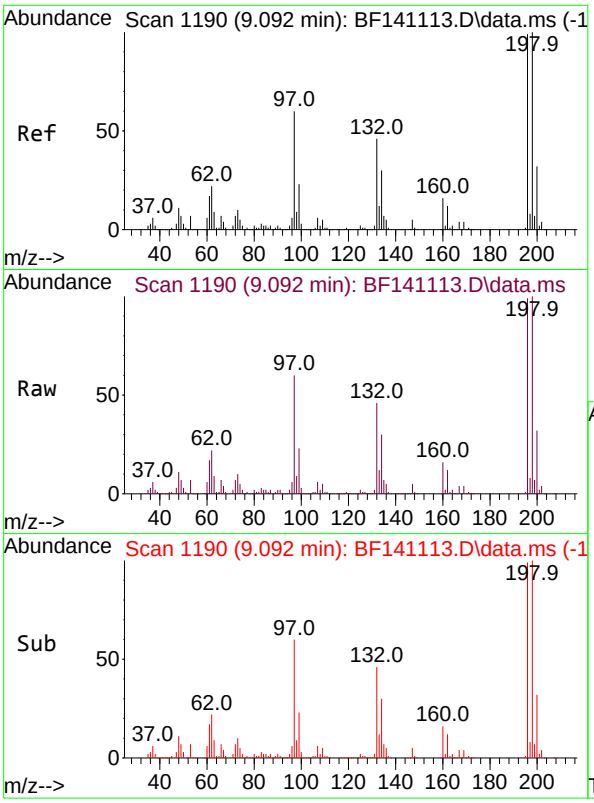




#42
2,4,6-Tribromophenol
Concen: 76.709 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:330 Resp: 318067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 76.9 | 115.3 |
| 141 | 31.5 | 25.2 | 37.8 |



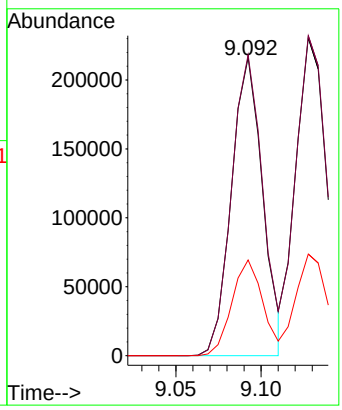


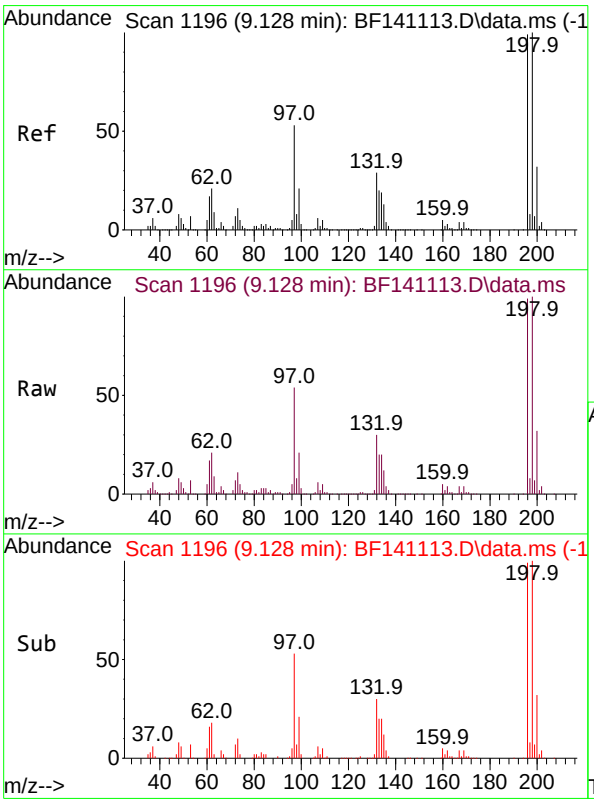

#43
2,4,6-Trichlorophenol
Concen: 39.231 ng
RT: 9.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:196 Resp: 276355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.0 | 80.8 | 121.2 |
| 200 | 32.1 | 25.7 | 38.5 |

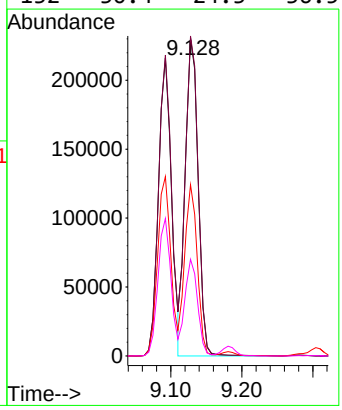


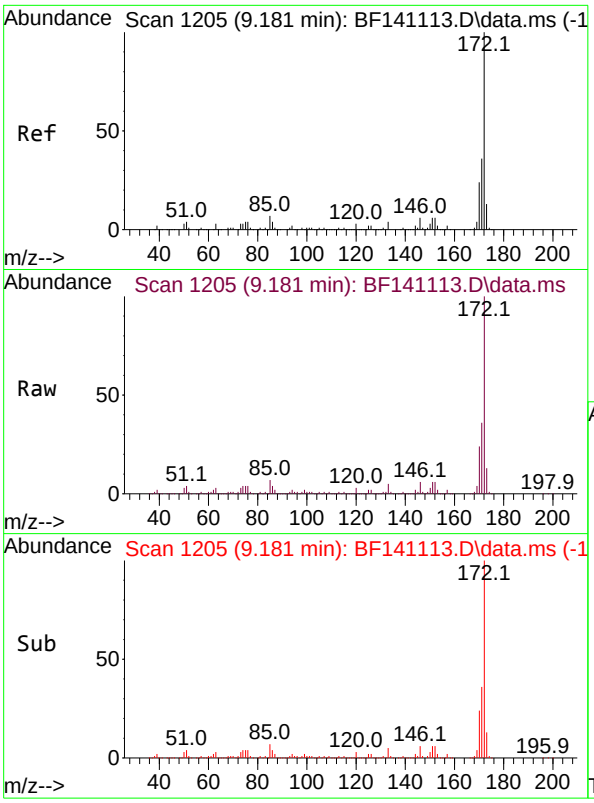




#44
2,4,5-Trichlorophenol
Concen: 39.203 ng
RT: 9.128 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:196 Resp: 291660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.7 | 80.6 | 120.8 |
| 97 | 53.9 | 43.1 | 64.7 |
| 132 | 30.4 | 24.3 | 36.5 |



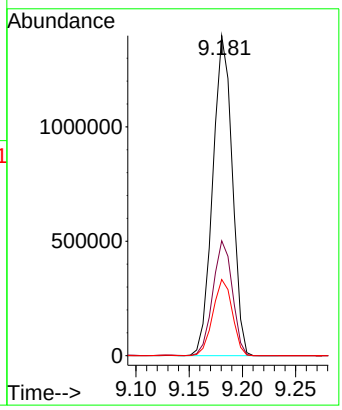


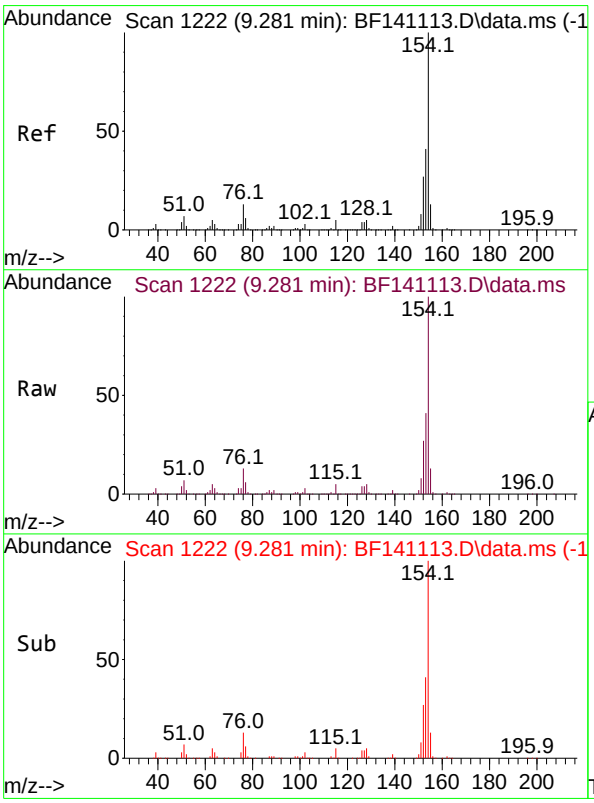

#45
2-Fluorobiphenyl
Concen: 74.817 ng
RT: 9.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:172 Resp: 1782936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 28.7 | 43.1 |
| 170 | 23.8 | 19.0 | 28.6 |

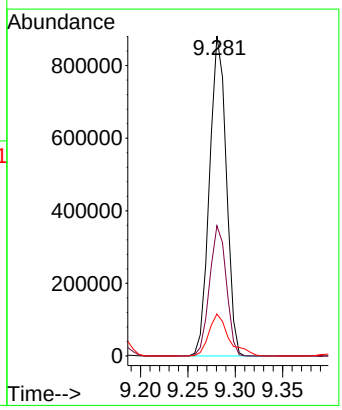


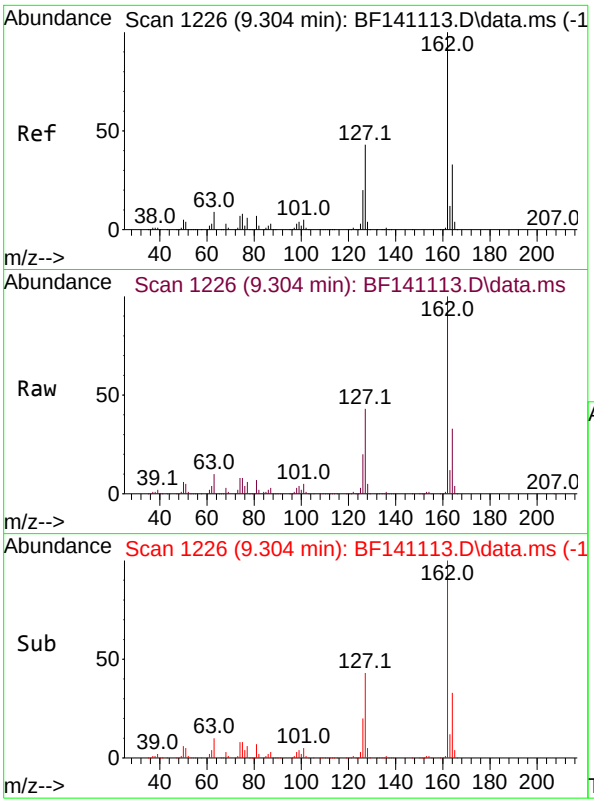




#46
1,1'-Biphenyl
Concen: 38.380 ng
RT: 9.281 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:154 Resp: 1084649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.7 | 20.7 | 60.7 |
| 76 | 13.1 | 0.0 | 33.1 |



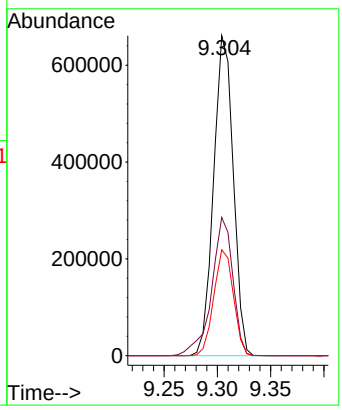


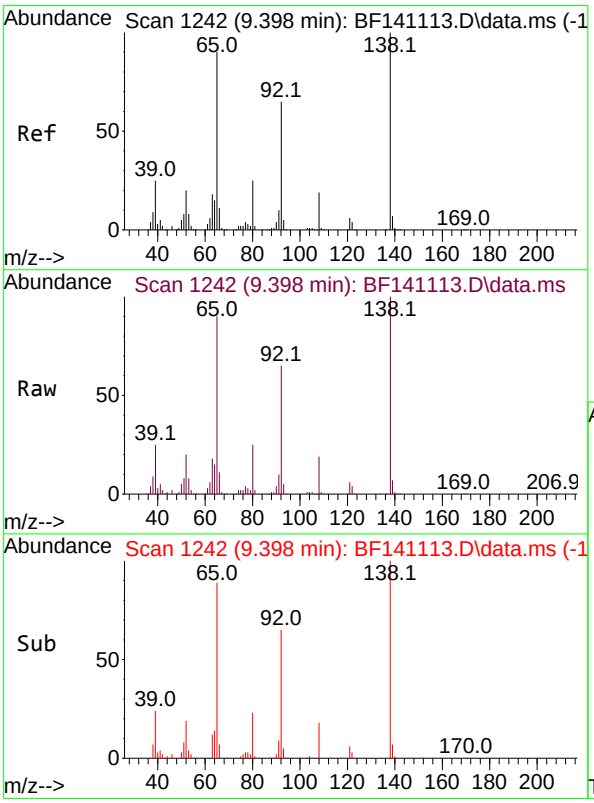

#47
2-Chloronaphthalene
Concen: 38.499 ng
RT: 9.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:162 Resp: 847410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.2 | 34.6 | 51.8 |
| 164 | 33.1 | 26.5 | 39.7 |

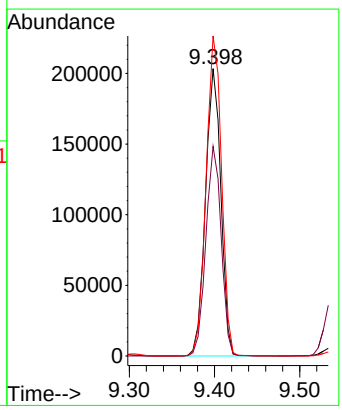


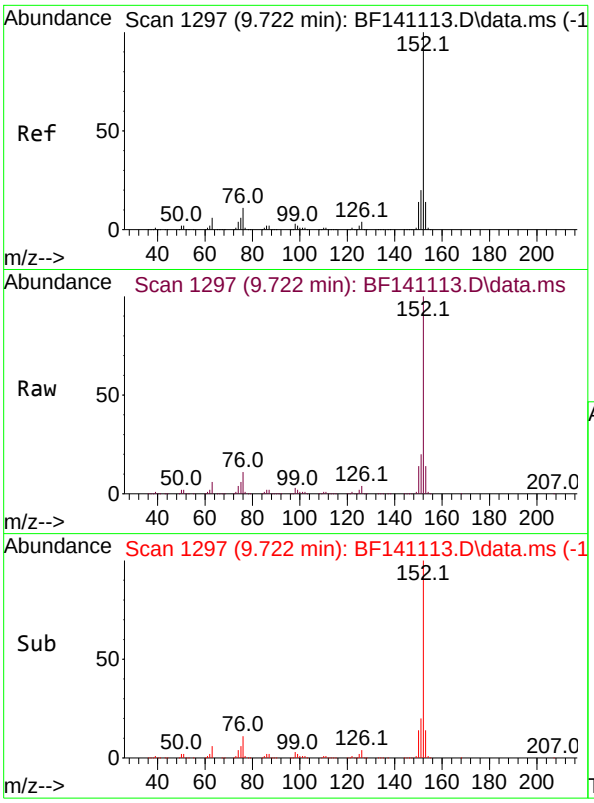




#48
2-Nitroaniline
Concen: 39.114 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion: 65 Resp: 255218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 72.9 | 58.3 | 87.5 |
| 138 | 111.4 | 89.1 | 133.7 |



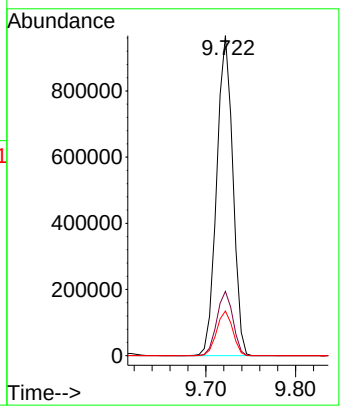


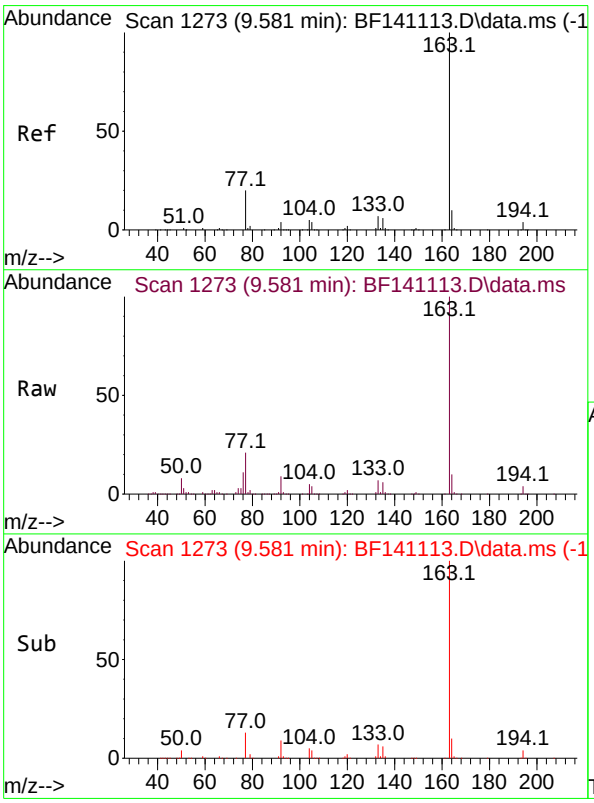

#49
Acenaphthylene
Concen: 38.412 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:152 Resp: 1207984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.1 | 24.1 |
| 153 | 13.9 | 11.1 | 16.7 |

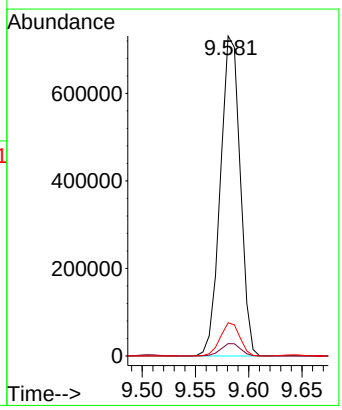


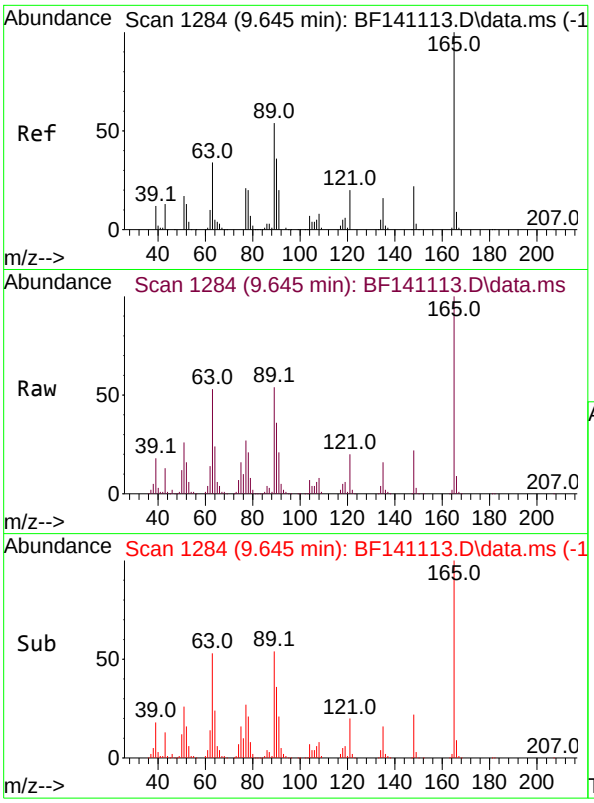




#50
Dimethylphthalate
Concen: 38.695 ng
RT: 9.581 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:163 Resp: 945319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.6 |
| 164 | 10.3 | 8.2 | 12.4 |



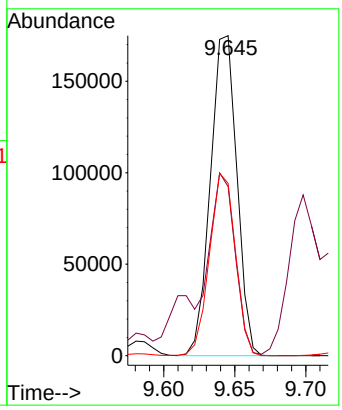


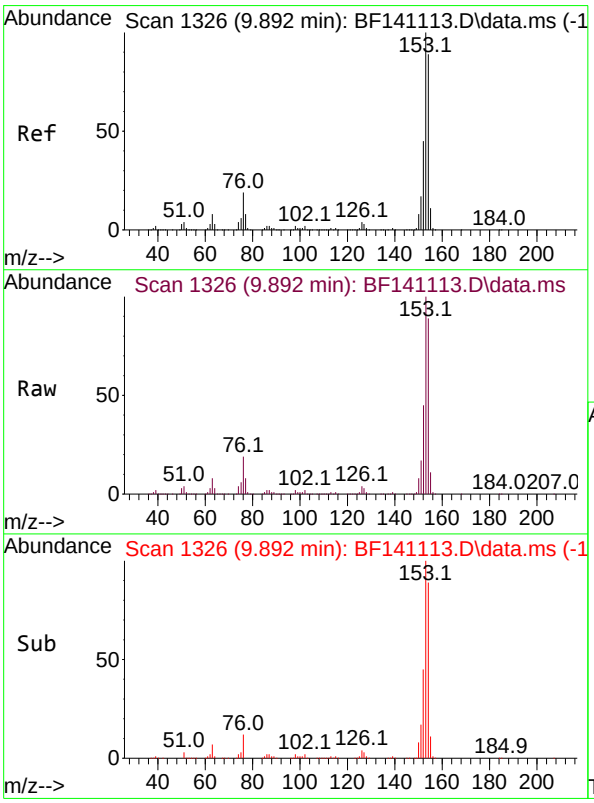

#51
2,6-Dinitrotoluene
Concen: 39.953 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:165 Resp: 226979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 52.9 | 42.3 | 63.5 |
| 89 | 53.9 | 43.1 | 64.7 |

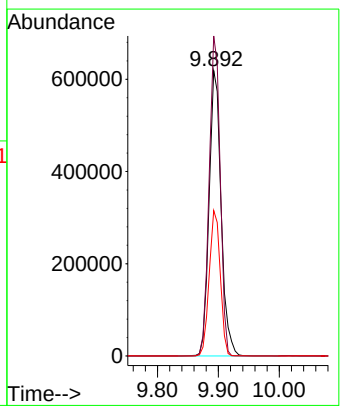


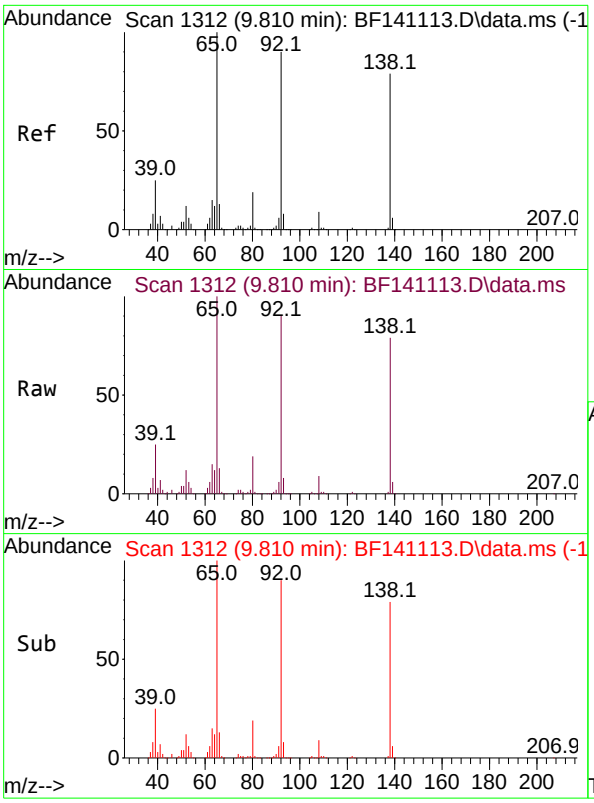




#52
Acenaphthene
Concen: 38.579 ng
RT: 9.892 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:154 Resp: 847617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.2 | 89.8 | 134.6 |
| 152 | 51.0 | 40.8 | 61.2 |



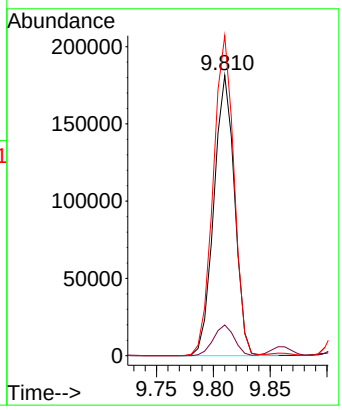


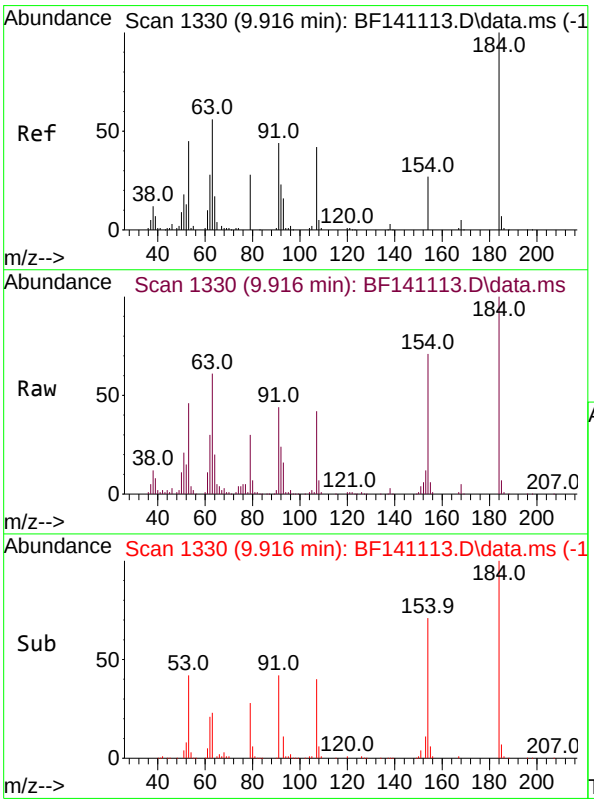

#53
3-Nitroaniline
Concen: 39.816 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:138 Resp: 229868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.0 | 8.8 | 13.2 |
| 92 | 114.1 | 91.3 | 136.9 |

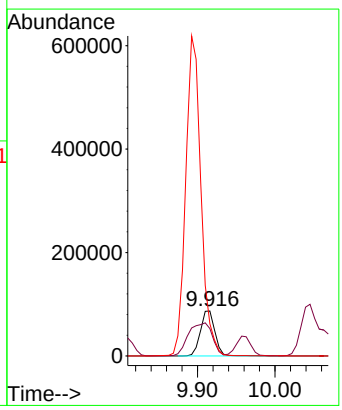


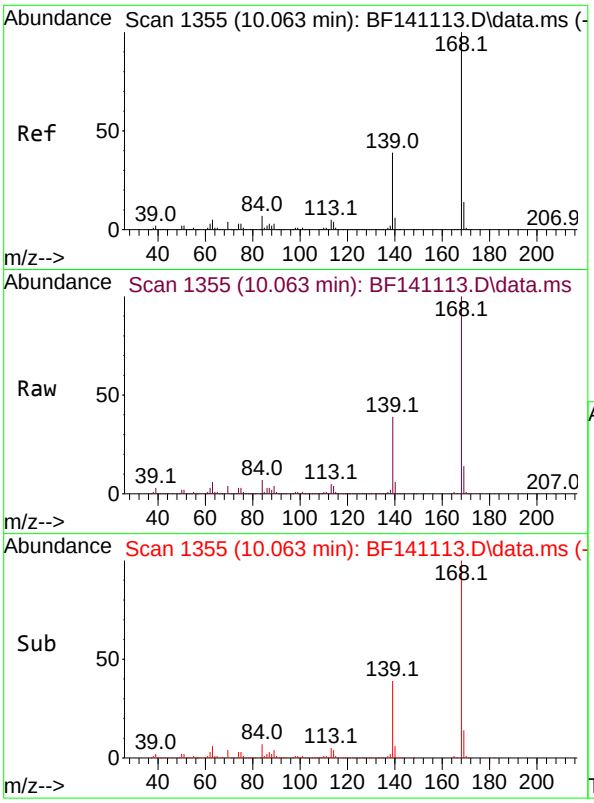




#54
2,4-Dinitrophenol
Concen: 41.896 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:184 Resp: 113135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 60.9 | 48.7 | 73.1 |
| 154 | 71.4 | 57.1 | 85.7 |



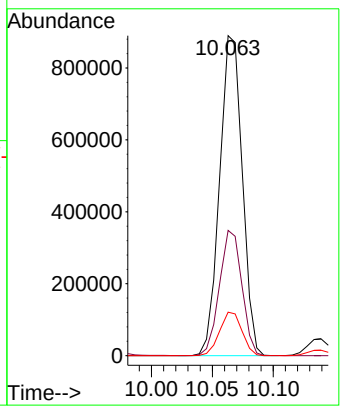


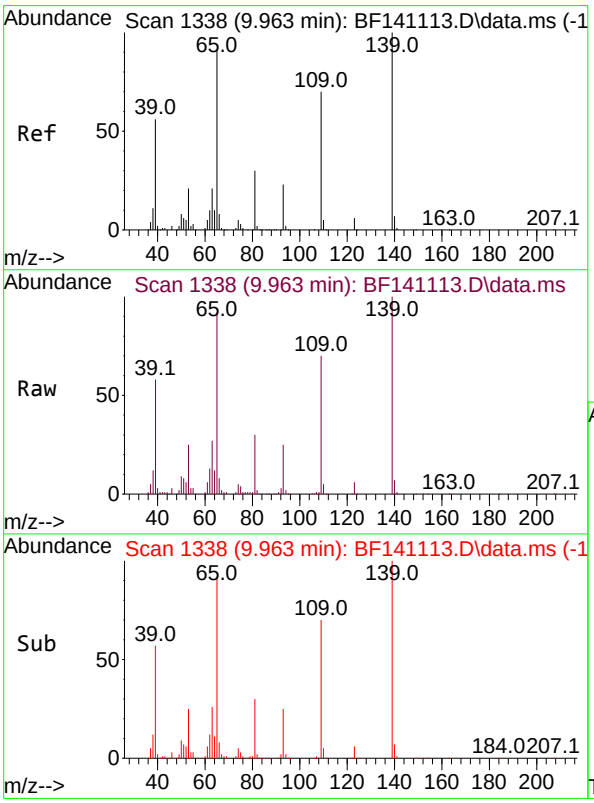

#55
Dibenzofuran
Concen: 38.617 ng
RT: 10.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:168 Resp: 1154072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.2 | 31.4 | 47.0 |
| 169 | 13.6 | 10.9 | 16.3 |

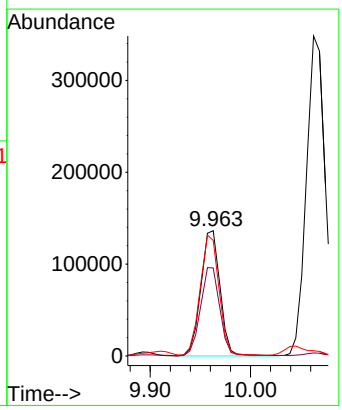


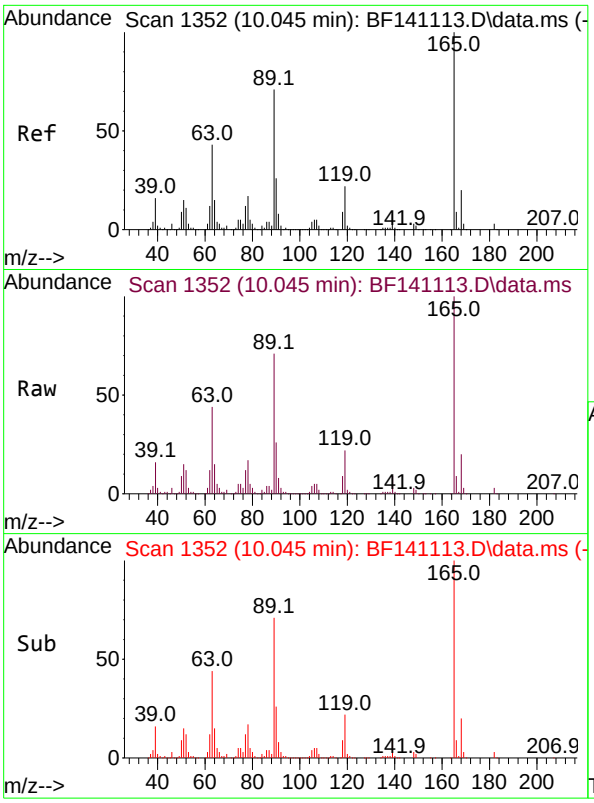




#56
4-Nitrophenol
Concen: 40.228 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:139 Resp: 181889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 70.2 | 50.2 | 90.2 |
| 65 | 92.1 | 72.1 | 112.1 |



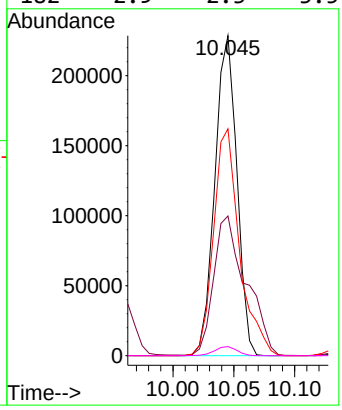


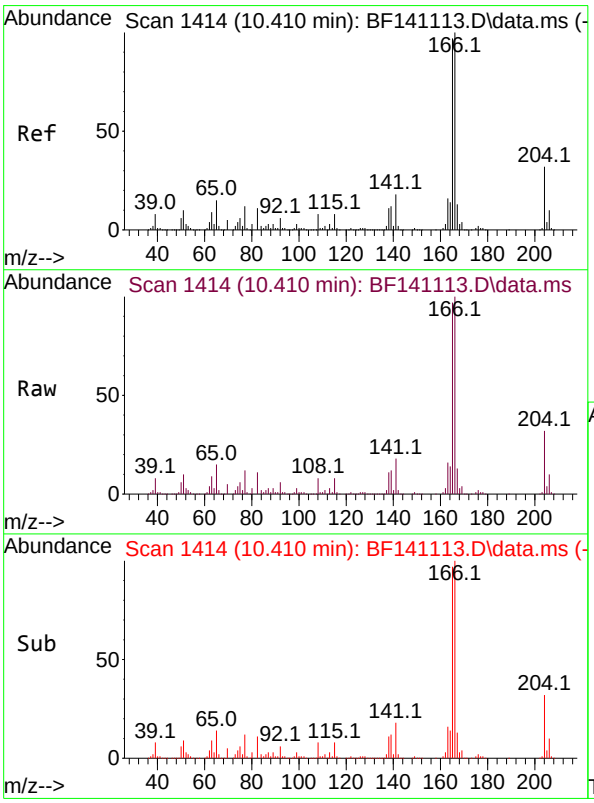

#57
2,4-Dinitrotoluene
Concen: 39.314 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:165 Resp: 287835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 43.7 | 35.0 | 52.4 |
| 89 | 70.9 | 56.7 | 85.1 |
| 182 | 2.9 | 2.3 | 3.5 |

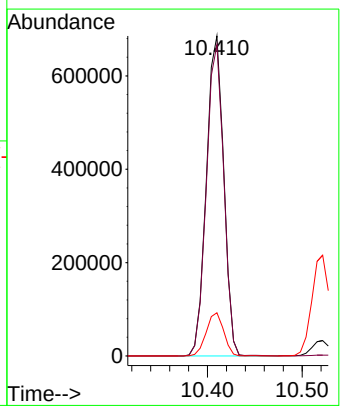


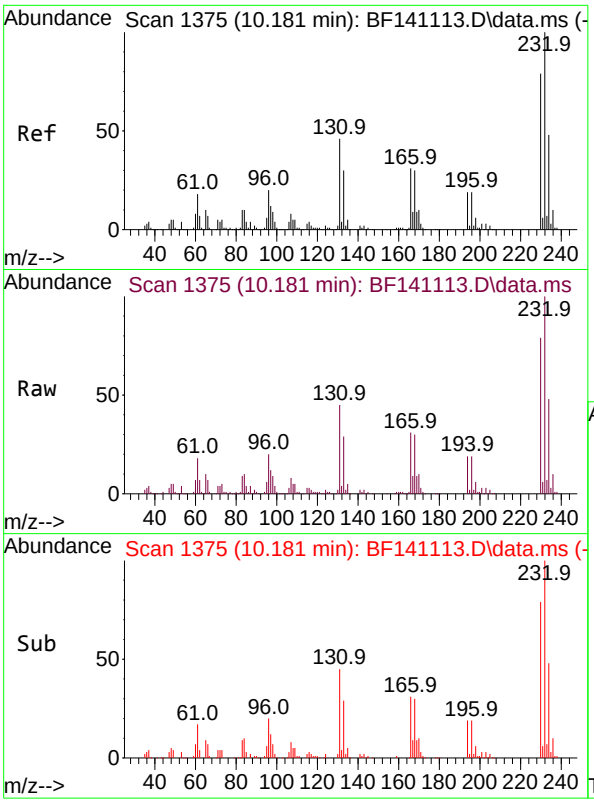




#58
Fluorene
Concen: 37.508 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:166 Resp: 870839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.3 | 77.8 | 116.8 |
| 167 | 13.5 | 10.8 | 16.2 |



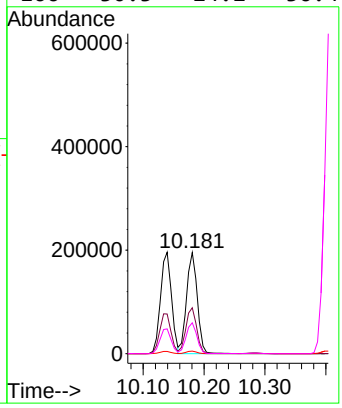


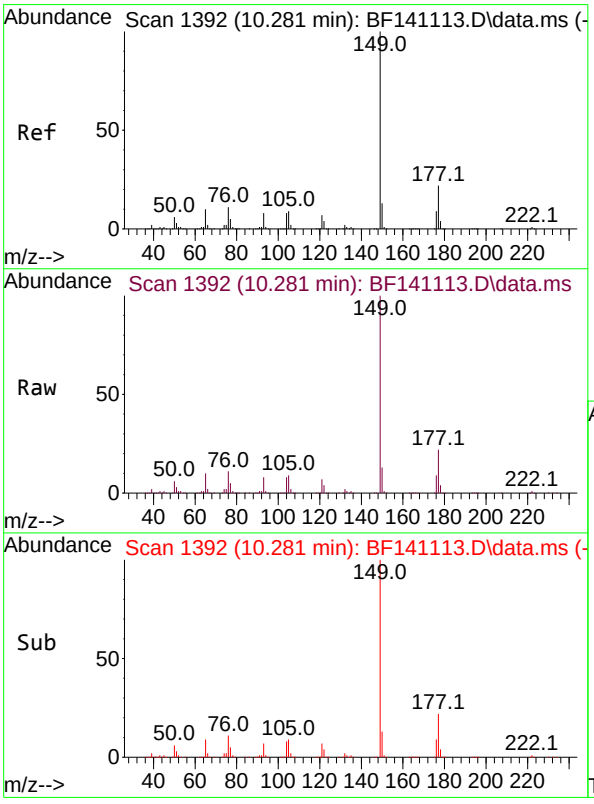

#59
2,3,4,6-Tetrachlorophenol
Concen: 39.022 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:232 Resp: 241313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.3 | 36.2 | 54.4 |
| 130 | 2.5 | 2.0 | 3.0 |
| 166 | 30.3 | 24.2 | 36.4 |

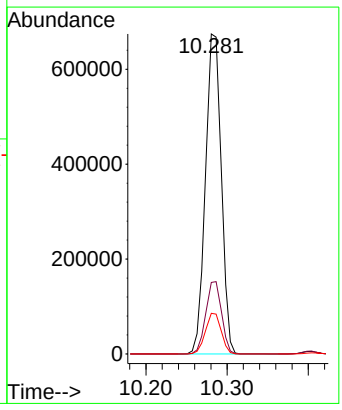


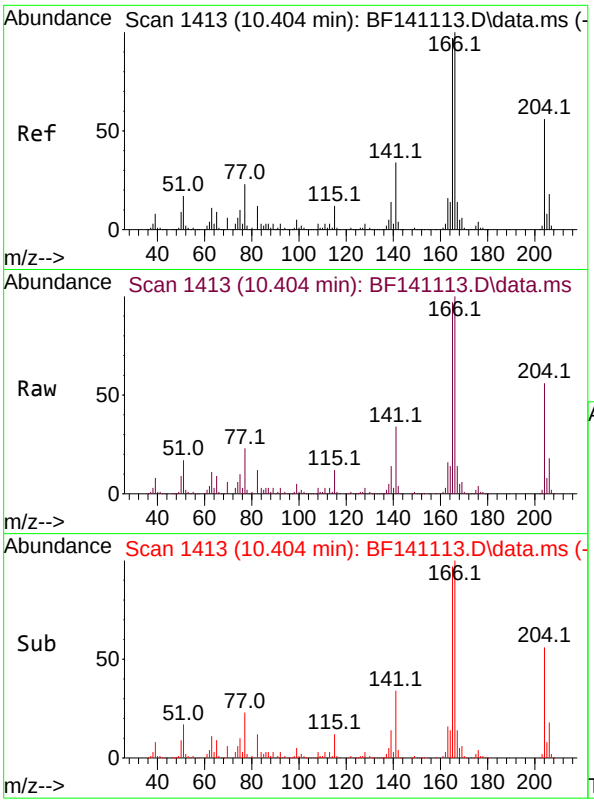




#60
Diethylphthalate
Concen: 38.240 ng
RT: 10.281 min Scan# 1392
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:149 Resp: 912032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.4 | 17.9 | 26.9 |
| 150 | 12.7 | 10.2 | 15.2 |



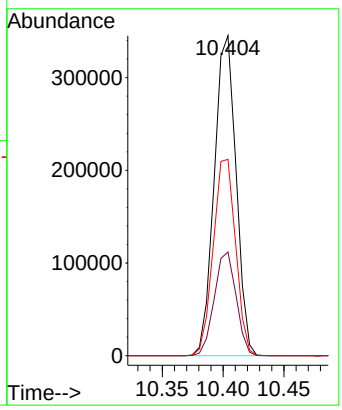


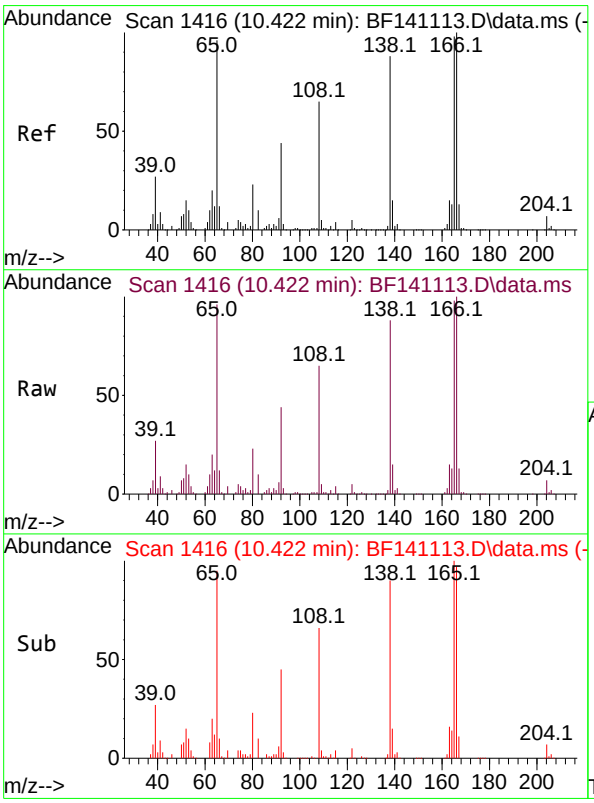

#61
4-Chlorophenyl-phenylether
Concen: 38.175 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:204 Resp: 431993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.4 | 25.9 | 38.9 |
| 141 | 61.4 | 49.1 | 73.7 |

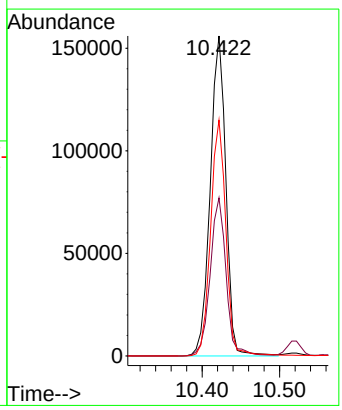


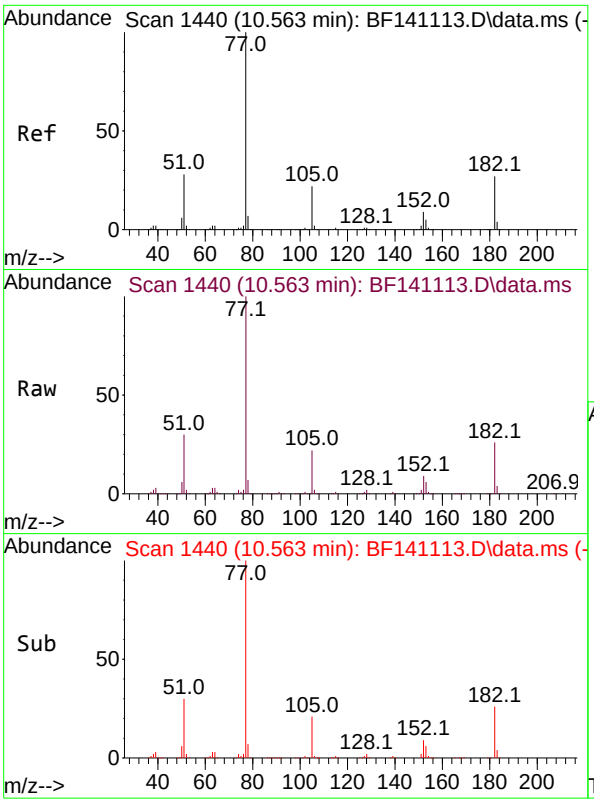




#62
4-Nitroaniline
Concen: 38.644 ng
RT: 10.422 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:138 Resp: 218358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.4 | 29.4 | 69.4 |
| 108 | 73.7 | 53.7 | 93.7 |



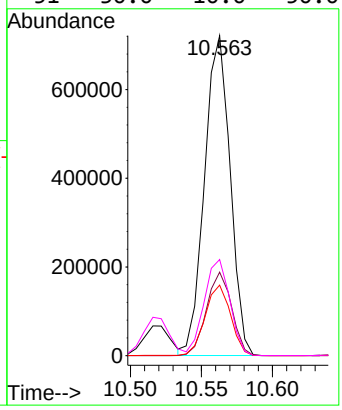


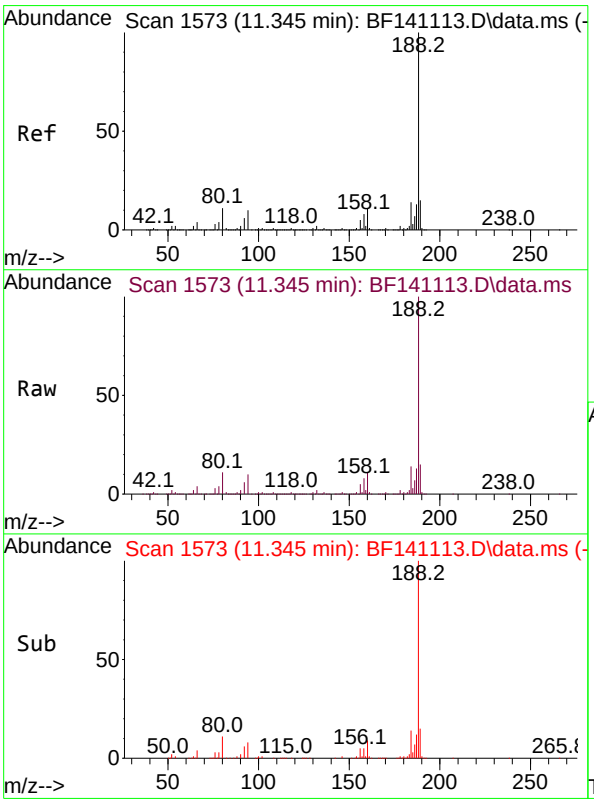

#63
Azobenzene
Concen: 38.497 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 77 Resp: 905963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.1 | 6.1 | 46.1 |
| 105 | 22.1 | 2.1 | 42.1 |
| 51 | 30.0 | 10.0 | 50.0 |

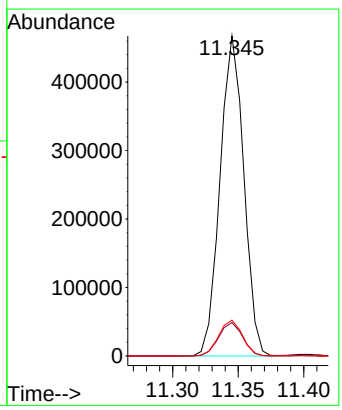


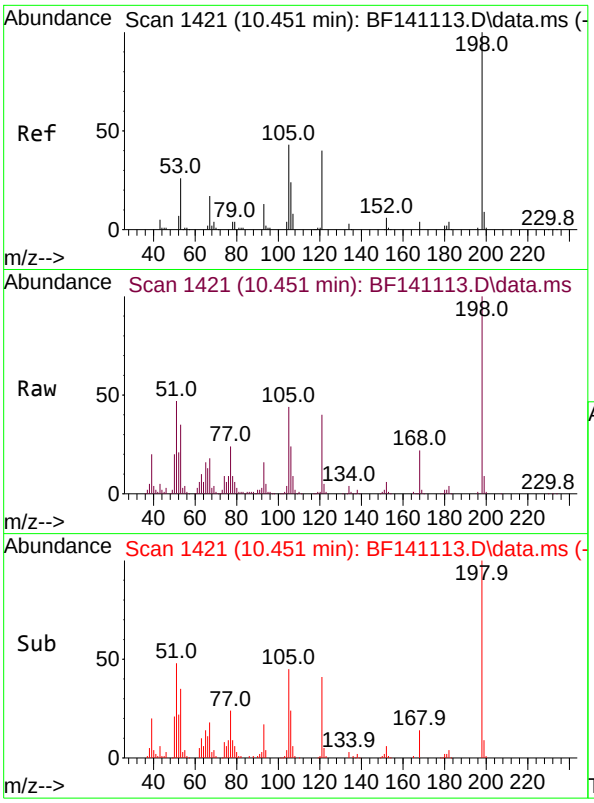




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:188 Resp: 589244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.4 | 8.3 | 12.5 |
| 80 | 11.2 | 9.0 | 13.4 |



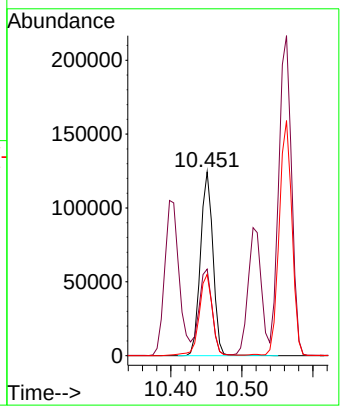


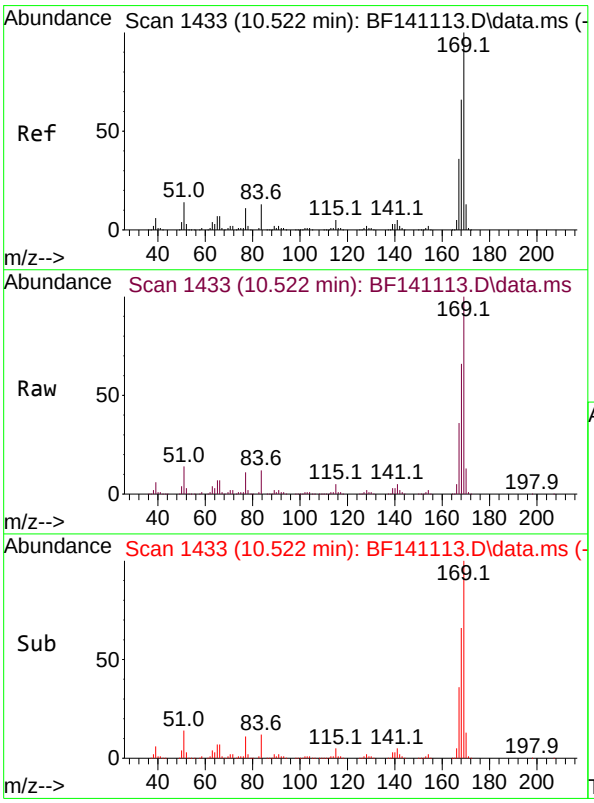

#65
4,6-Dinitro-2-methylphenol
Concen: 44.665 ng
RT: 10.451 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:198 Resp: 152510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 47.1 | 27.1 | 67.1 |
| 105 | 44.2 | 24.2 | 64.2 |

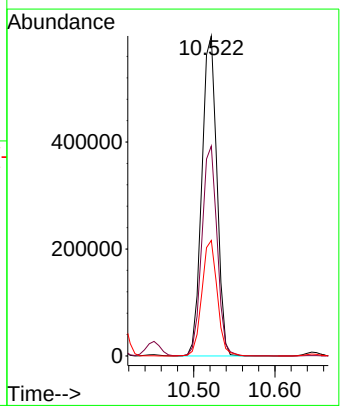


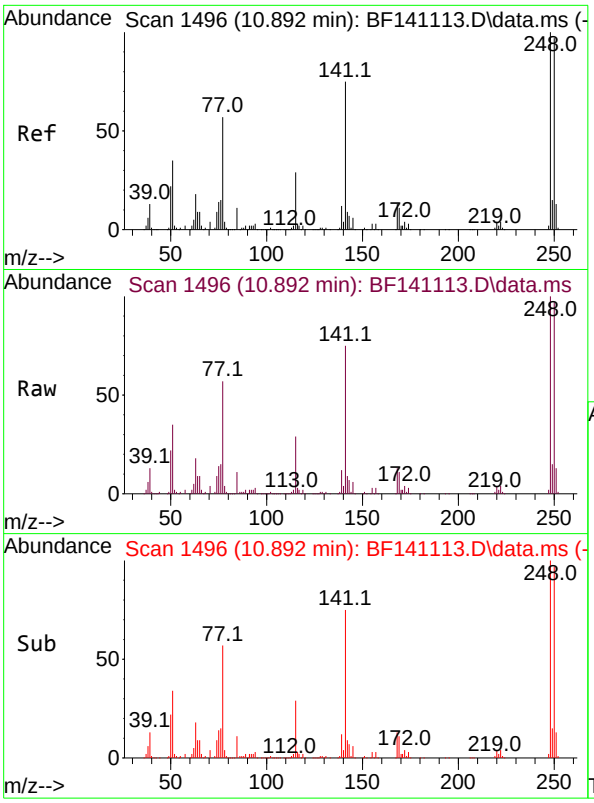




#66
n-Nitrosodiphenylamine
Concen: 40.343 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:169 Resp: 766755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.6 | 52.5 | 78.7 |
| 167 | 36.1 | 28.9 | 43.3 |



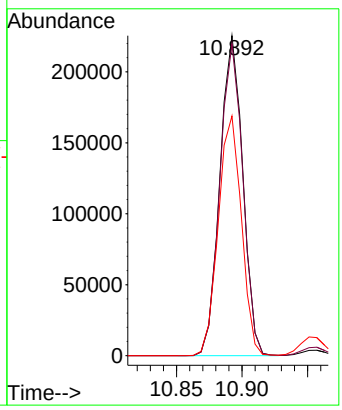


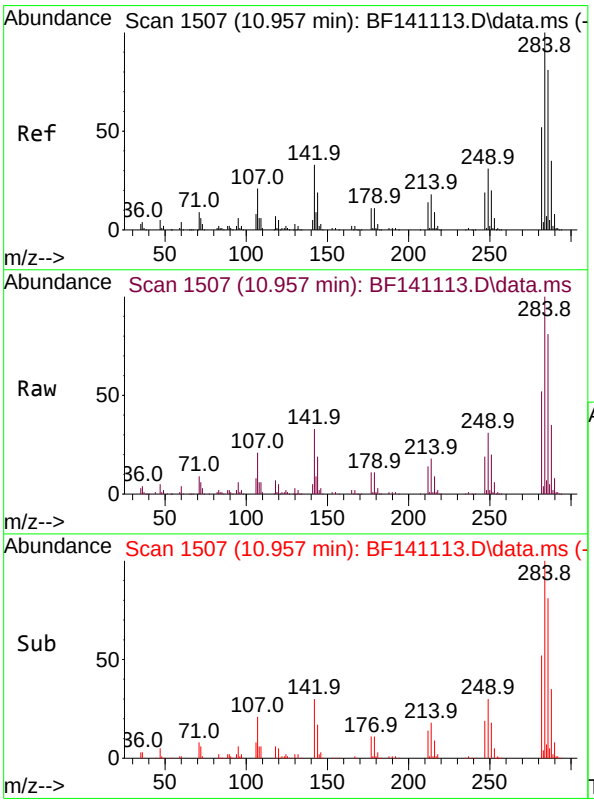

#67
4-Bromophenyl-phenylether
Concen: 40.247 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:248 Resp: 273038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.4 | 77.9 | 116.9 |
| 141 | 74.9 | 59.9 | 89.9 |

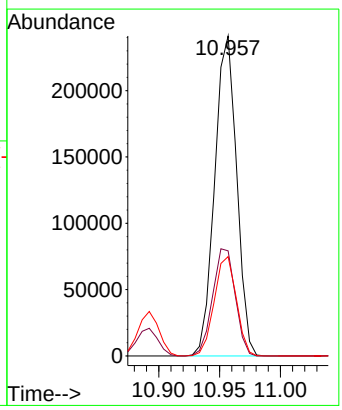


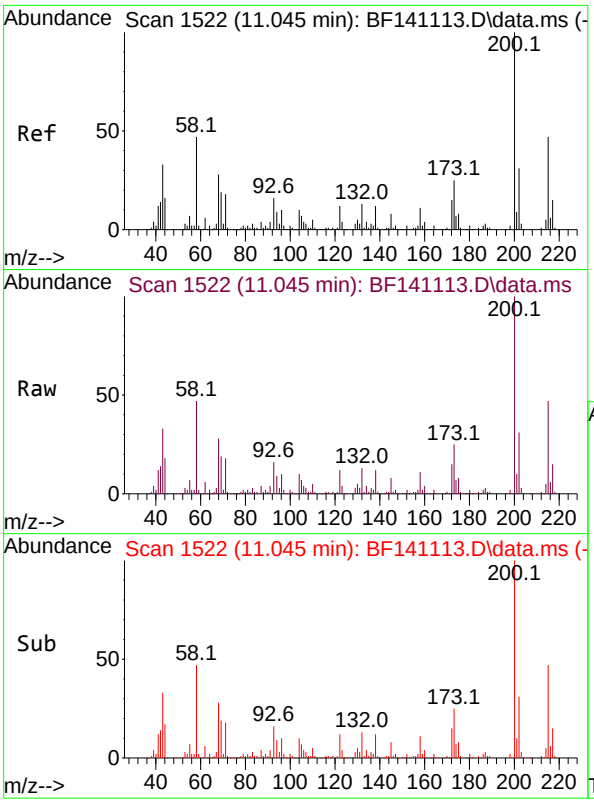




#68
Hexachlorobenzene
Concen: 40.165 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:284 Resp: 303316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.9 | 26.3 | 39.5 |
| 249 | 31.1 | 24.9 | 37.3 |



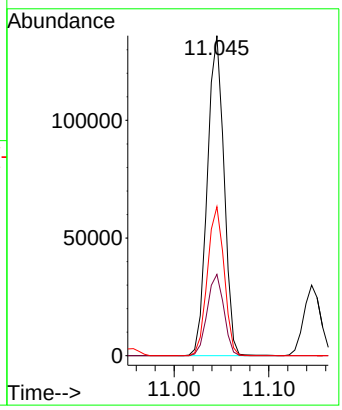


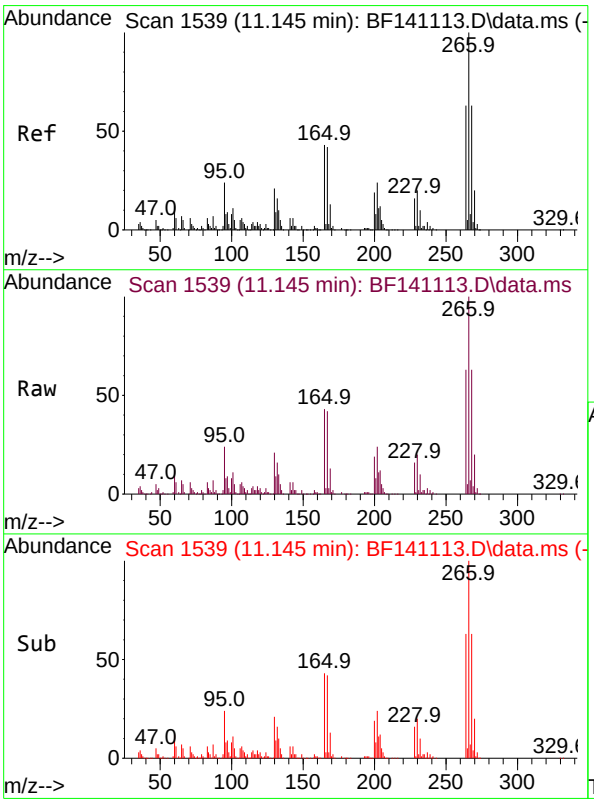

#69
Atrazine
Concen: 32.462 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:200 Resp: 166125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.4 | 5.4 | 45.4 |
| 215 | 46.6 | 26.6 | 66.6 |

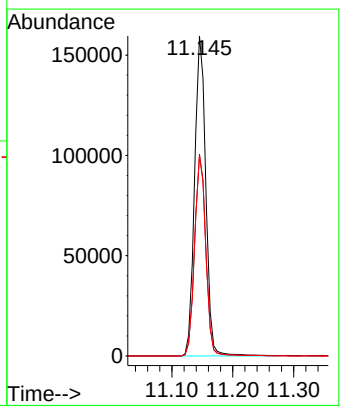


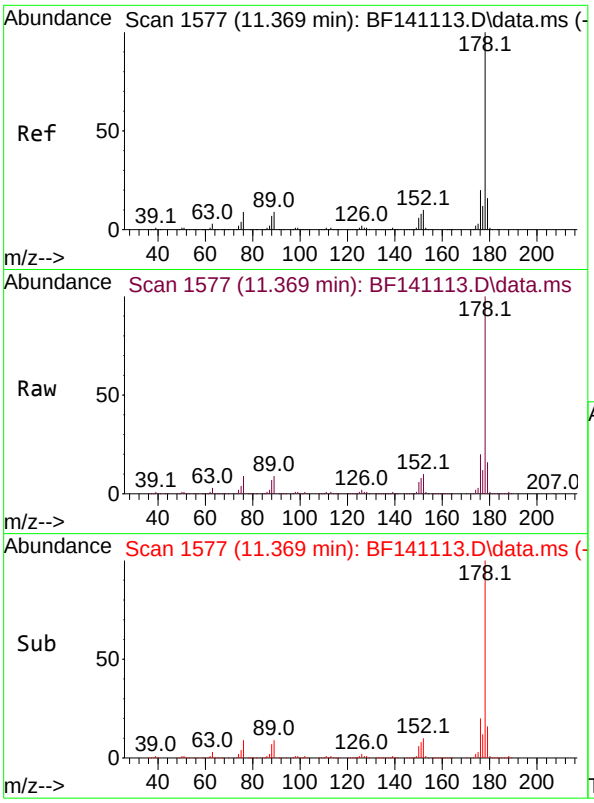




#70
Pentachlorophenol
Concen: 42.241 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:266 Resp: 204286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.0 | 50.4 | 75.6 |
| 264 | 62.7 | 50.2 | 75.2 |



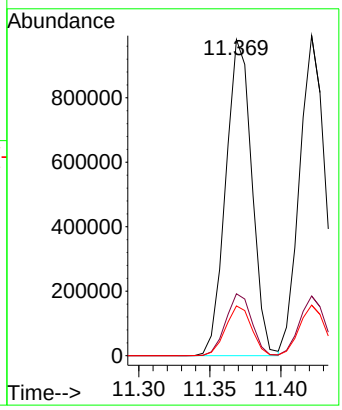


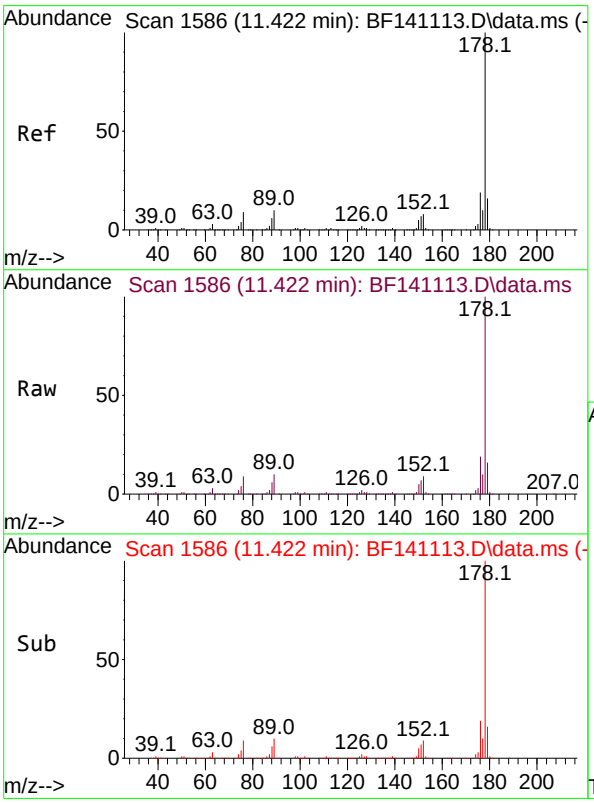

#71
Phenanthrene
Concen: 39.653 ng
RT: 11.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:178 Resp: 1254420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.7 | 23.5 |
| 179 | 15.8 | 12.6 | 19.0 |

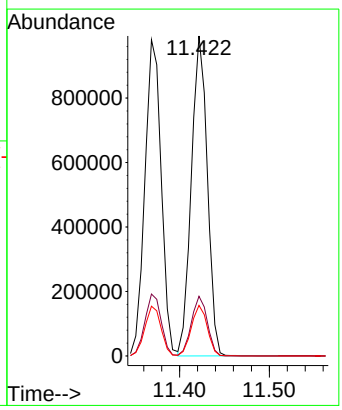


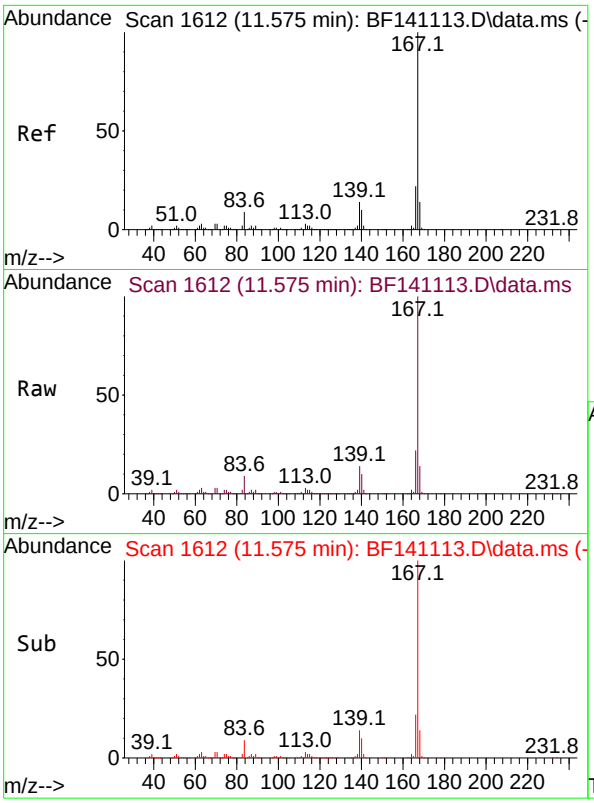




#72
Anthracene
Concen: 39.920 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:178 Resp: 1227926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 14.9 | 22.3 |
| 179 | 15.8 | 12.6 | 19.0 |



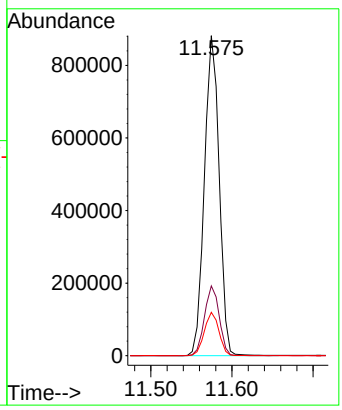


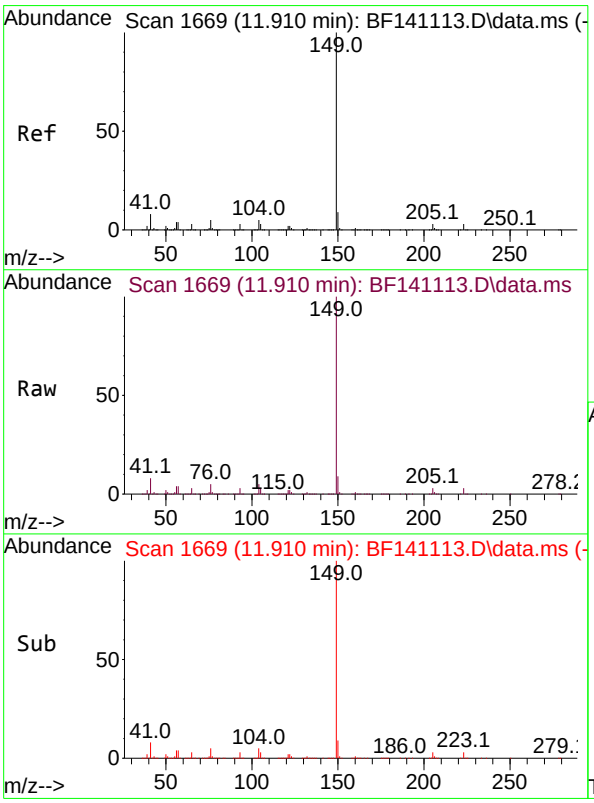

#73
Carbazole
Concen: 39.450 ng
RT: 11.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:167 Resp: 1112672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.4 | 26.2 |
| 139 | 13.6 | 10.9 | 16.3 |

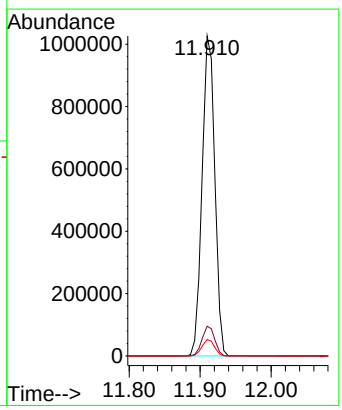


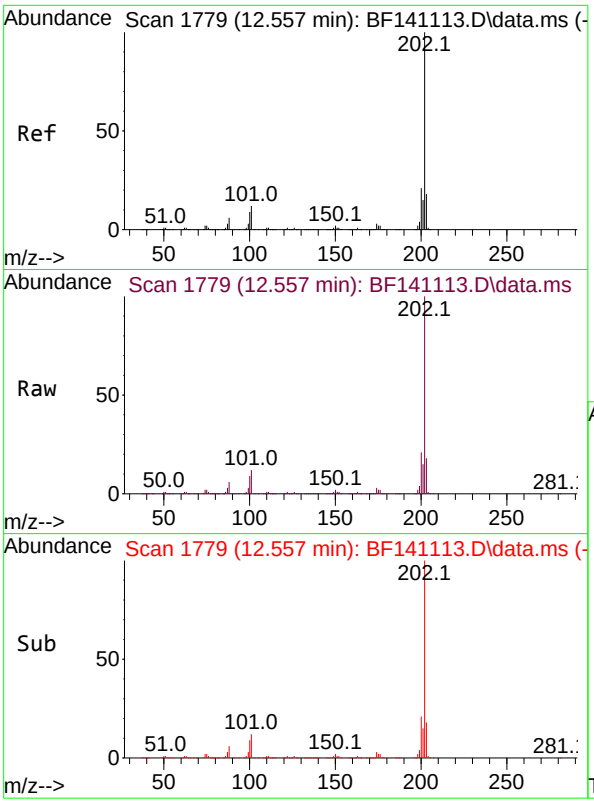




#74
Di-n-butylphthalate
Concen: 39.669 ng
RT: 11.910 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:149 Resp: 1280428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.4 | 11.2 |
| 104 | 5.2 | 4.2 | 6.2 |



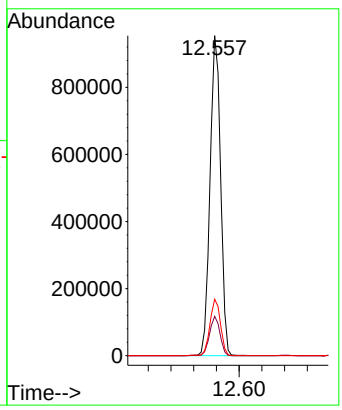


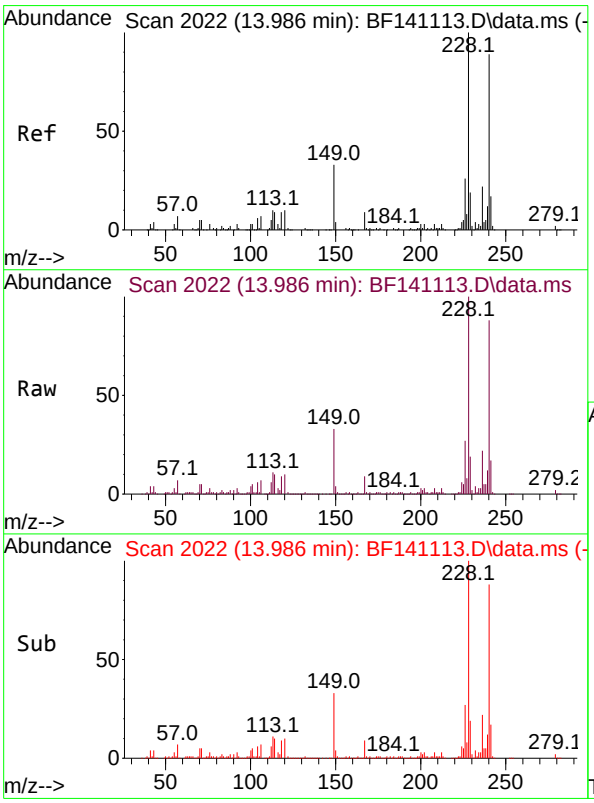

#75
Fluoranthene
Concen: 38.718 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:202 Resp: 1222253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.3 | 0.0 | 32.3 |
| 203 | 17.7 | 0.0 | 37.7 |

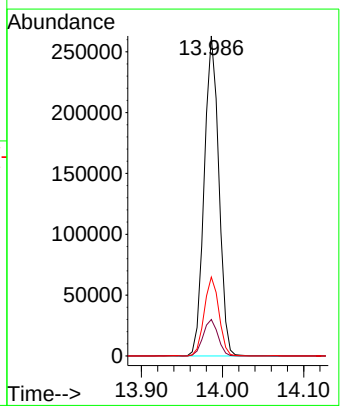


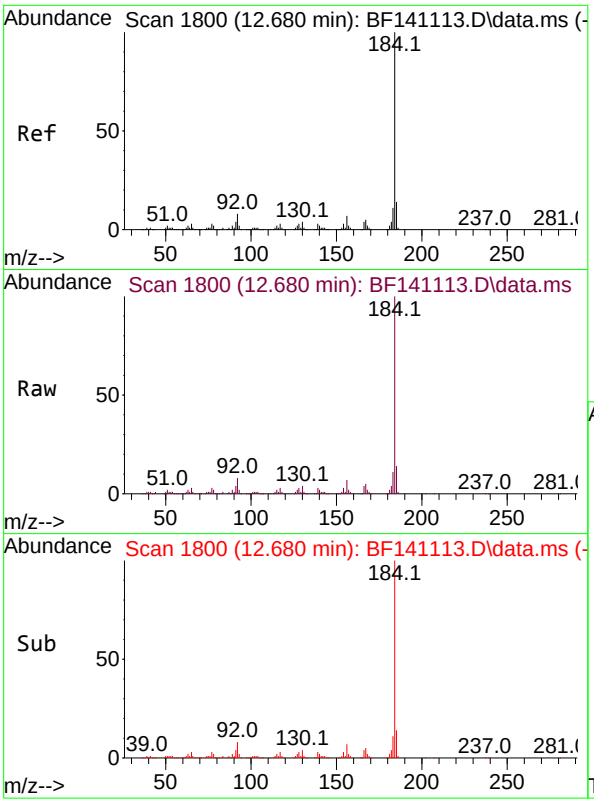




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:240 Resp: 328095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.4 | 9.1 | 13.7 |
| 236 | 24.7 | 19.8 | 29.6 |



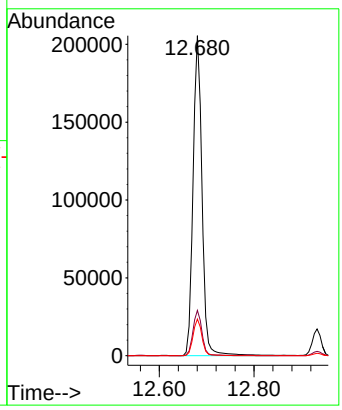


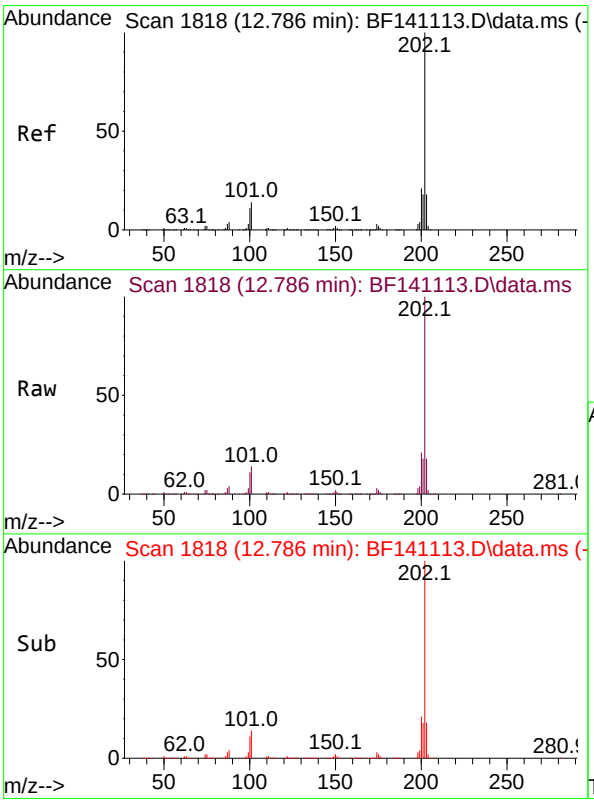

#77
Benzidine
Concen: 44.102 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:184 Resp: 268331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.2 | 11.4 | 17.0 |
| 183 | 11.5 | 9.2 | 13.8 |

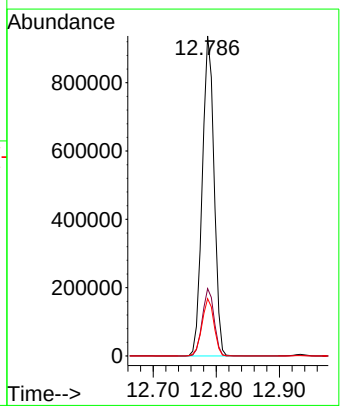


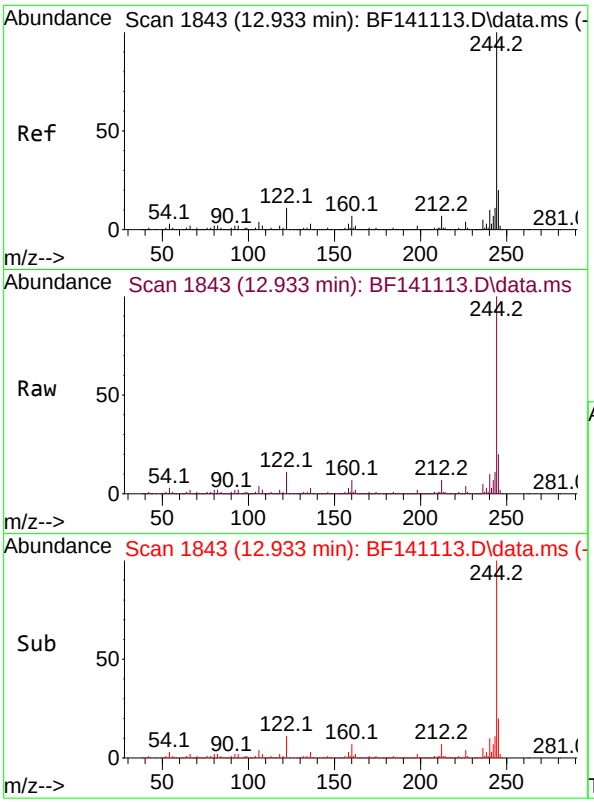




#78
Pyrene
Concen: 38.696 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:202 Resp: 1212637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 16.8 | 25.2 |
| 203 | 17.9 | 14.3 | 21.5 |



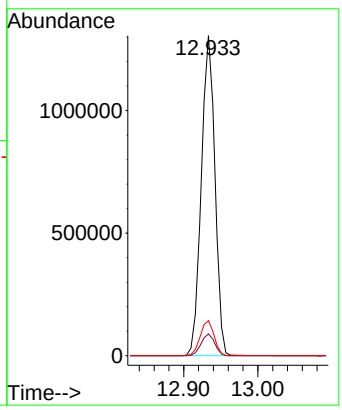


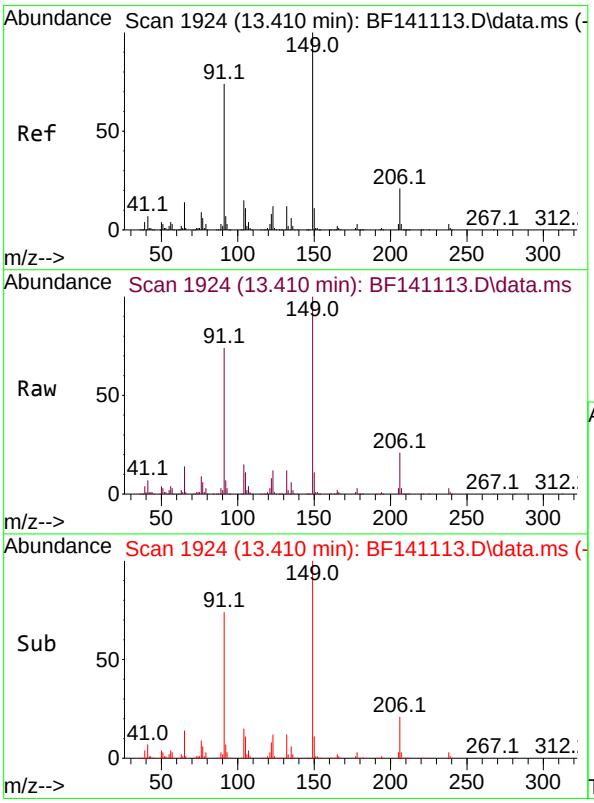

#79
Terphenyl-d14
Concen: 75.616 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:244 Resp: 1669190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.4 | 8.2 |
| 122 | 11.0 | 8.8 | 13.2 |

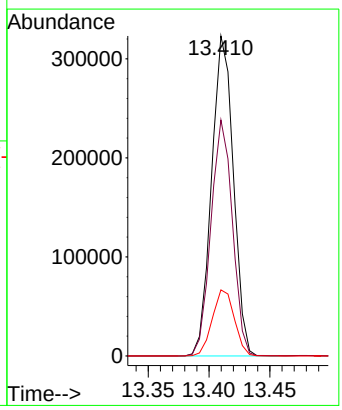


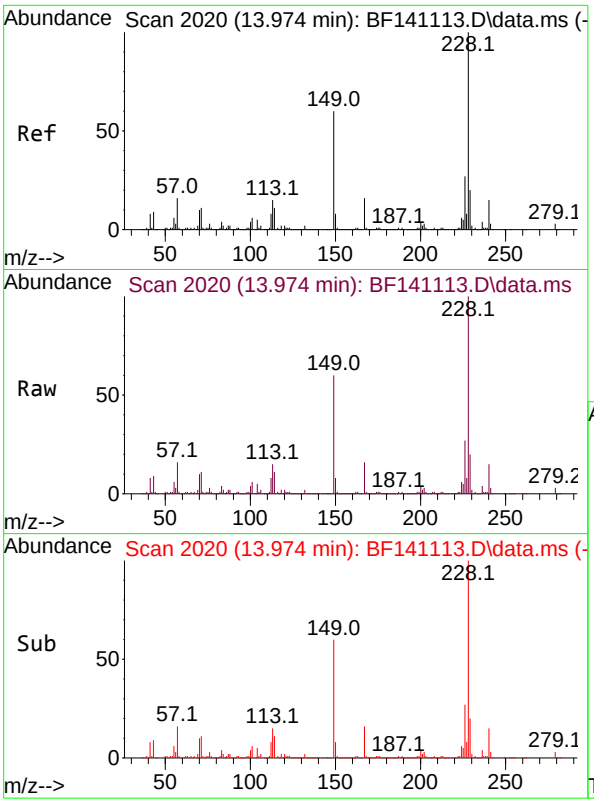




#80
Butylbenzylphthalate
Concen: 38.580 ng
RT: 13.410 min Scan# 1924
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:149 Resp: 403087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 73.8 | 59.0 | 88.6 |
| 206 | 20.6 | 16.5 | 24.7 |



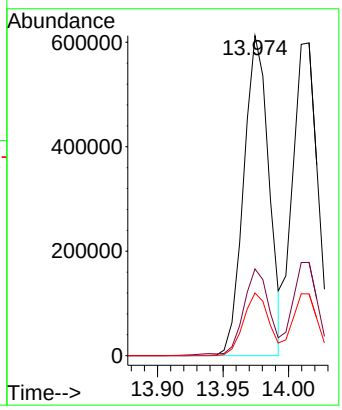


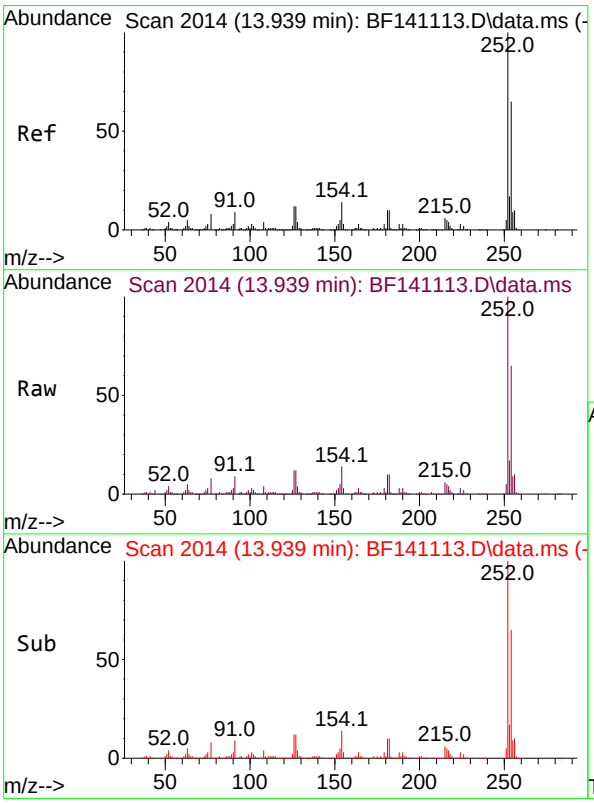

#81
Benzo(a)anthracene
Concen: 36.599 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:228 Resp: 817209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.1 | 21.7 | 32.5 |
| 229 | 19.6 | 15.7 | 23.5 |

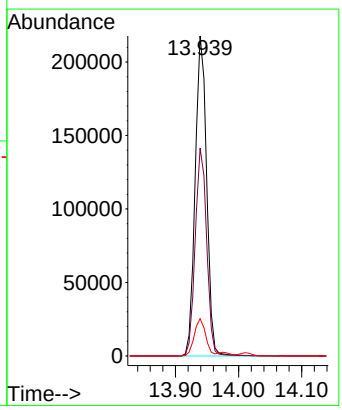


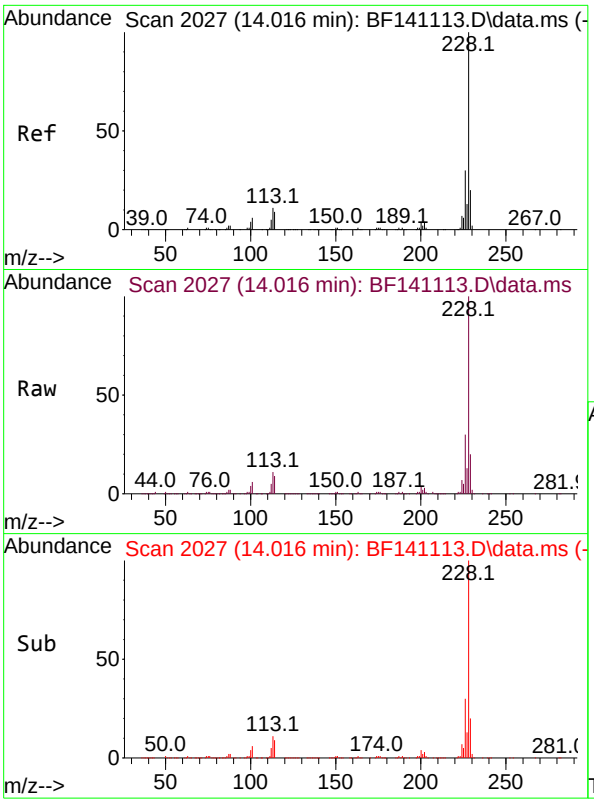




#82
3,3'-Dichlorobenzidine
Concen: 38.575 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:252 Resp: 274265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.0 | 52.0 | 78.0 |
| 126 | 11.7 | 9.4 | 14.0 |



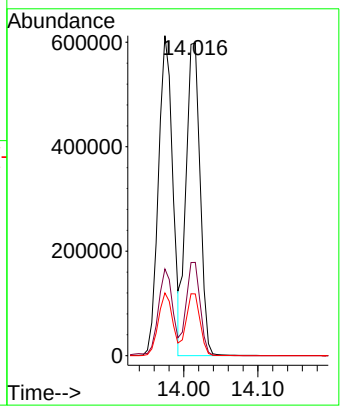


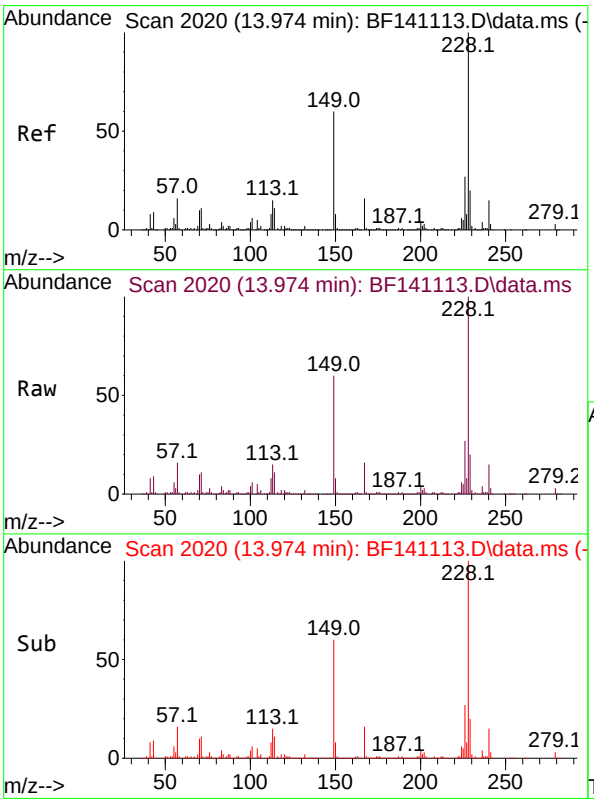

#83
Chrysene
Concen: 37.894 ng
RT: 14.016 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:228 Resp: 791711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 23.8 | 35.8 |
| 229 | 19.8 | 15.8 | 23.8 |

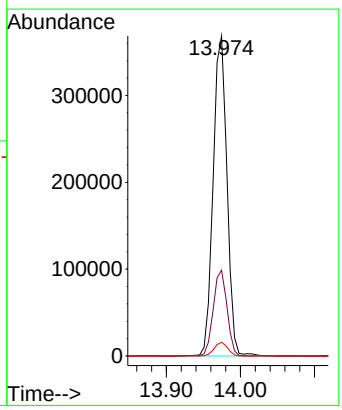


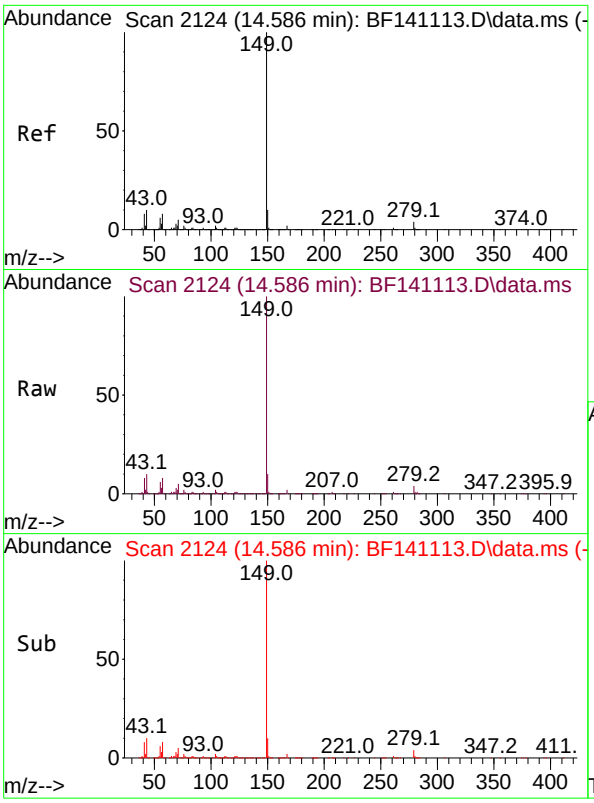




#84
Bis(2-ethylhexyl)phthalate
Concen: 38.010 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:149 Resp: 476500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.8 | 21.4 | 32.2 |
| 279 | 4.3 | 3.4 | 5.2 |



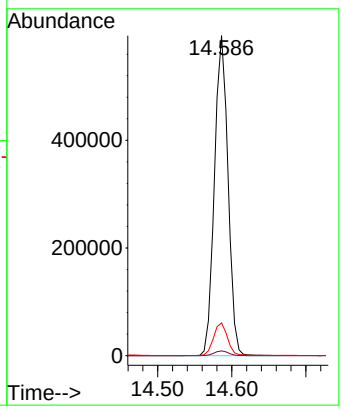


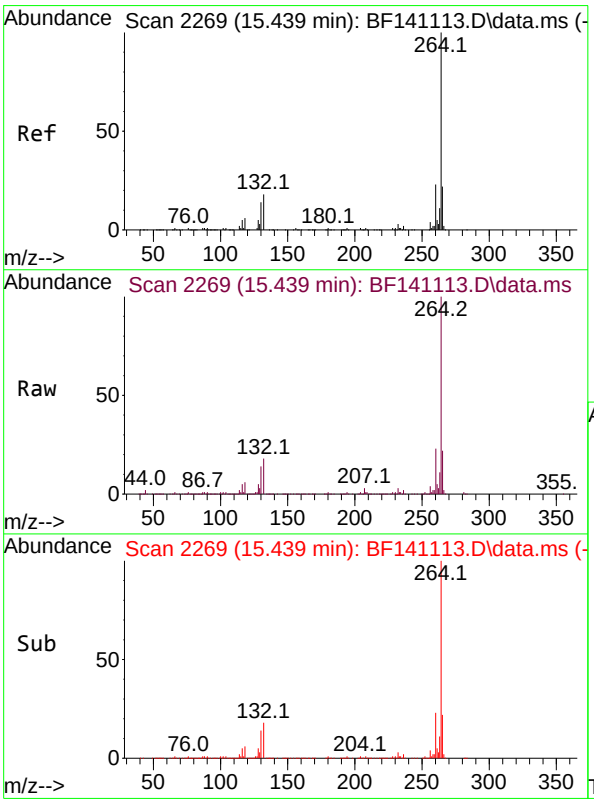

#85
Di-n-octyl phthalate
Concen: 39.906 ng
RT: 14.586 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:149 Resp: 755449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 10.5 | 8.4 | 12.6 |

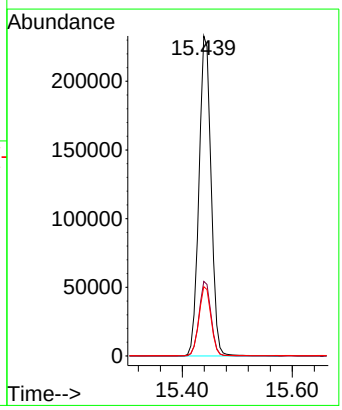


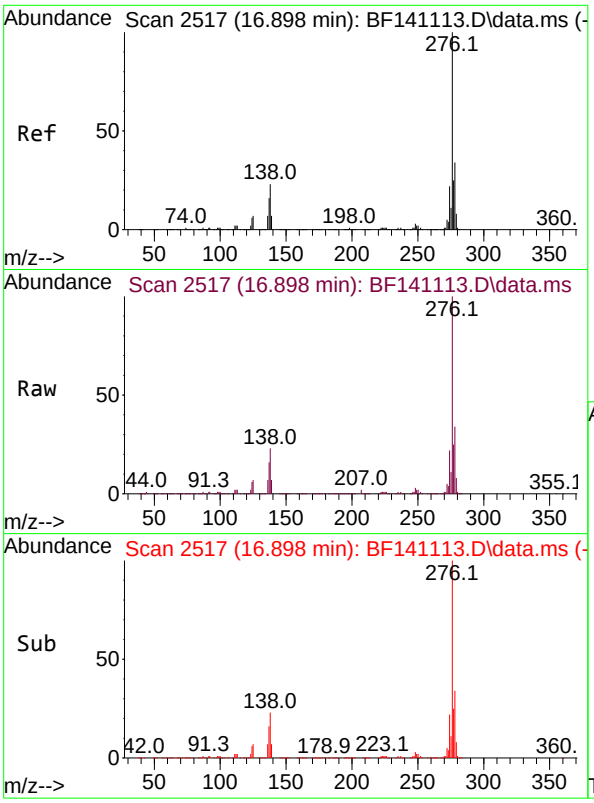




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:264 Resp: 356368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.6 | 28.0 |
| 265 | 21.7 | 17.4 | 26.0 |



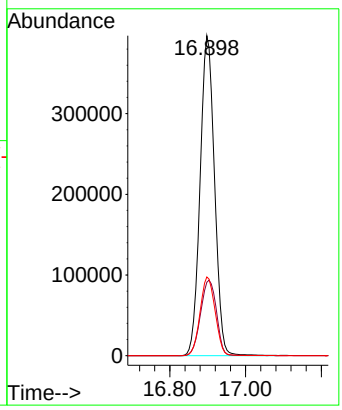


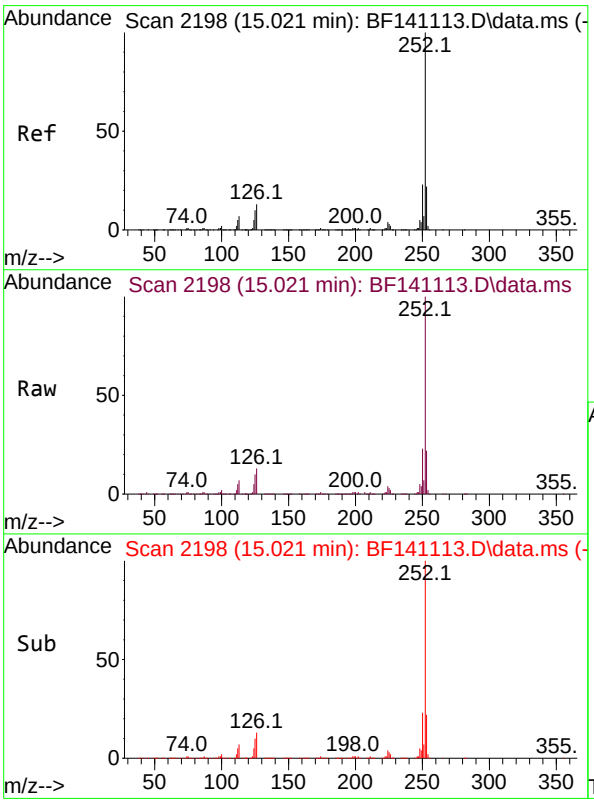

#87
Indeno(1,2,3-cd)pyrene
Concen: 40.183 ng
RT: 16.898 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:276 Resp: 1049124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.9 | 20.7 | 31.1 |
| 277 | 25.7 | 20.6 | 30.8 |

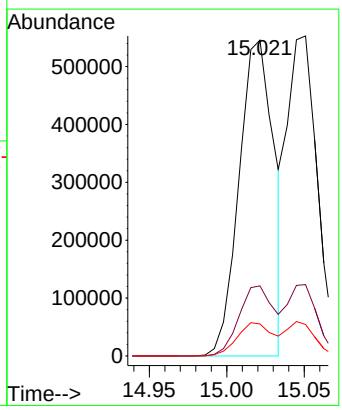


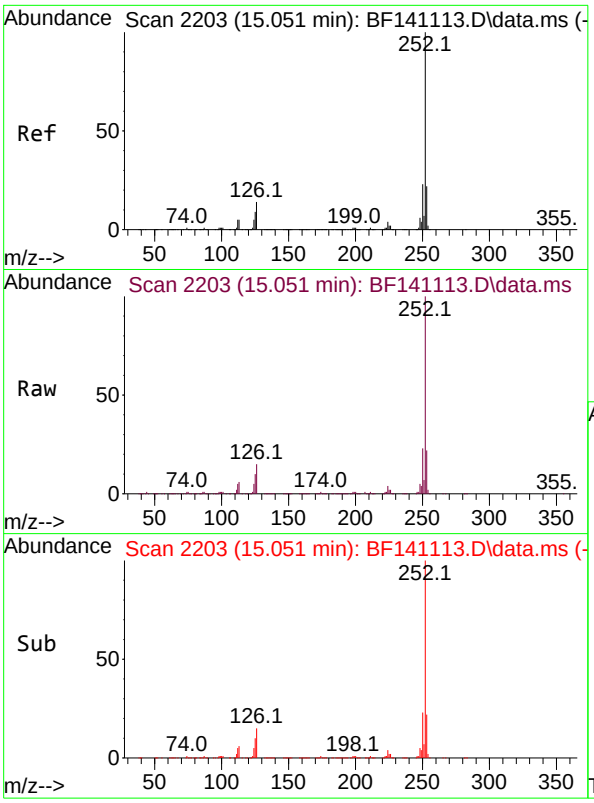




#88
Benzo(b)fluoranthene
Concen: 37.238 ng
RT: 15.021 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:252 Resp: 855723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.8 | 26.6 |
| 125 | 10.1 | 8.1 | 12.1 |



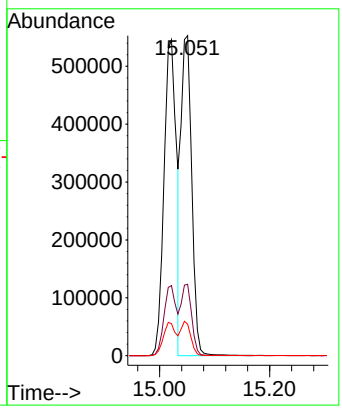


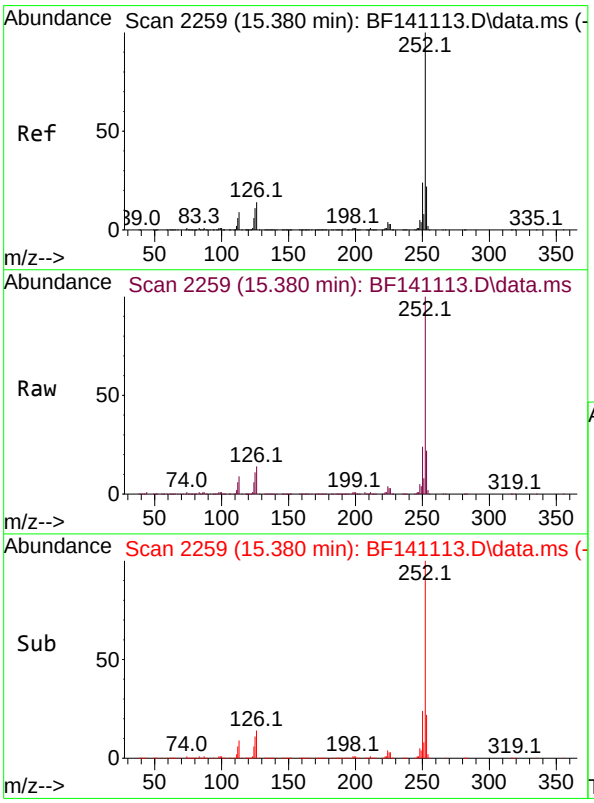

#89
Benzo(k)fluoranthene
Concen: 38.272 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:252 Resp: 743248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.8 | 26.8 |
| 125 | 9.9 | 7.9 | 11.9 |

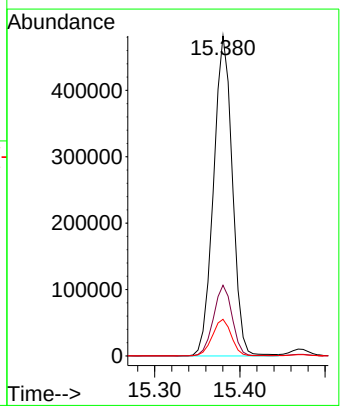


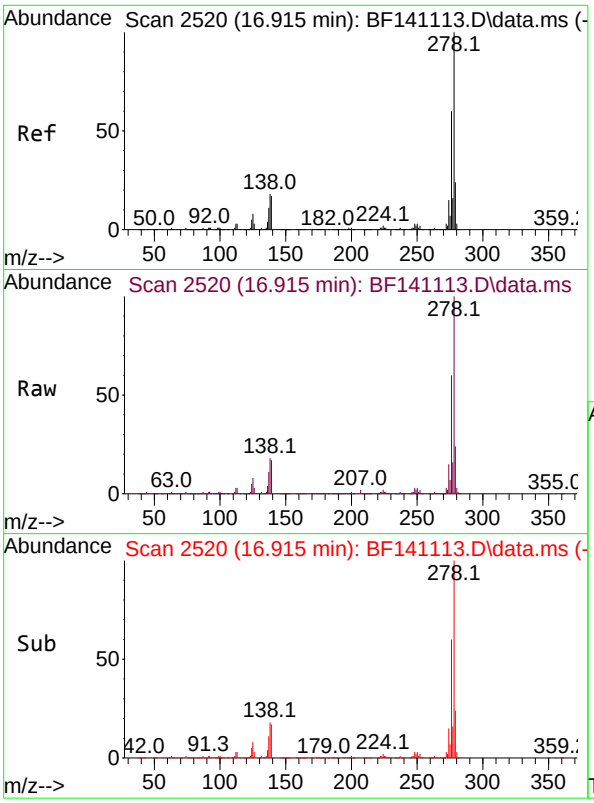




#90
Benzo(a)pyrene
Concen: 39.043 ng
RT: 15.380 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:252 Resp: 740229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.7 | 26.5 |
| 125 | 11.4 | 9.1 | 13.7 |



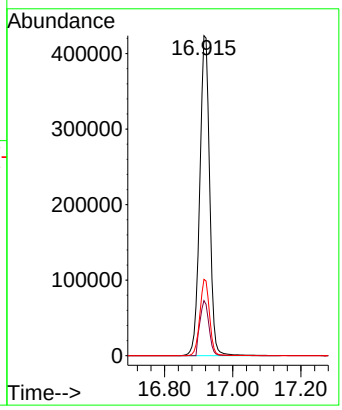


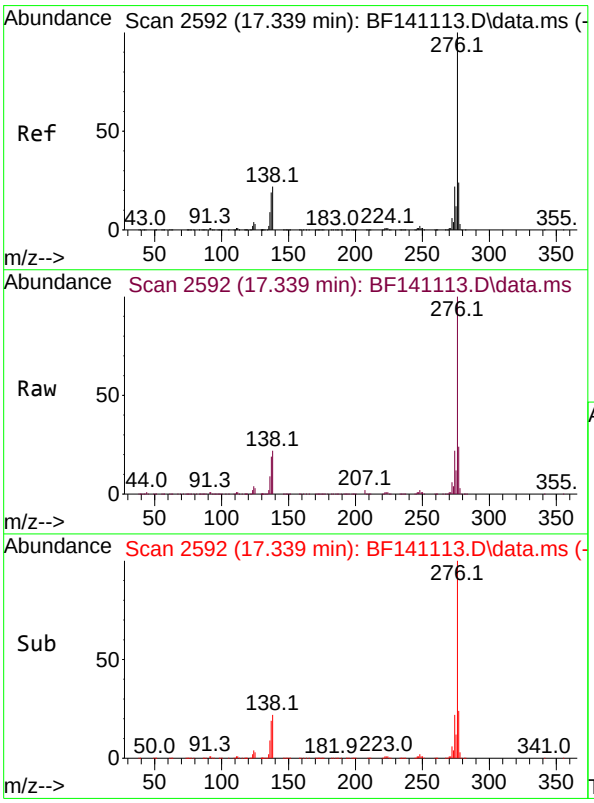

#91
Dibenzo(a,h)anthracene
Concen: 40.391 ng
RT: 16.915 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:278 Resp: 852935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.2 | 13.8 | 20.6 |
| 279 | 23.9 | 19.1 | 28.7 |

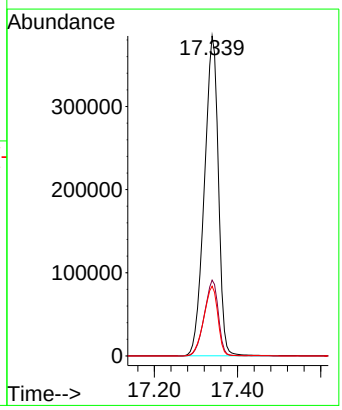



#92
Benzo(g,h,i)perylene
Concen: 40.976 ng
RT: 17.339 min Scan# 2592
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:276 Resp: 900014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 19.0 | 28.4 |
| 138 | 21.8 | 17.4 | 26.2 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141117.D
Acq On : 10 Jan 2025 16:53
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Quant Time: Jan 10 22:22:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 163037 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 625072 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.863 | 164 | 333513 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 593257 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.998 | 240 | 341879 | 20.000 | ng | | 0.01 |
| 86) Perylene-d12 | 15.468 | 264 | 333662 | 20.000 | ng | | 0.03 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.428 | 112 | 1007728 | 95.484 | ng | | 0.00 |
| 7) Phenol-d6 | 6.445 | 99 | 1279370 | 95.699 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.386 | 82 | 1156878 | 98.108 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.651 | 330 | 383942 | 101.033 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.180 | 172 | 2040487 | 93.427 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.939 | 244 | 2188278 | 95.134 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.546 | 88 | 233484 | 49.679 | ng | | 98 |
| 3) Pyridine | 3.287 | 79 | 555795 | 48.225 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.240 | 42 | 280365 | 49.752 | ng | | 98 |
| 6) Aniline | 6.487 | 93 | 564714 | 47.577 | ng | | 99 |
| 8) 2-Chlorophenol | 6.604 | 128 | 545244 | 48.153 | ng | | 99 |
| 9) Benzaldehyde | 6.369 | 77 | 318659 | 42.669 | ng | | 100 |
| 10) Phenol | 6.463 | 94 | 678615 | 47.420 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.557 | 93 | 521191 | 48.869 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.763 | 146 | 613813 | 48.605 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.839 | 146 | 609332 | 47.881 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.992 | 146 | 565717 | 47.656 | ng | | 99 |
| 15) Benzyl Alcohol | 6.963 | 79 | 474583 | 49.156 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098 | 45 | 711735 | 47.824 | ng | | 100 |
| 17) 2-Methylphenol | 7.069 | 107 | 444678 | 48.644 | ng | | 100 |
| 18) Hexachloroethane | 7.334 | 117 | 224751 | 48.837 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.239 | 70 | 373068 | 47.373 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.228 | 107 | 546998 | 47.429 | ng | # | 85 |
| 22) Acetophenone | 7.234 | 105 | 711333 | 47.871 | ng | | 98 |
| 24) Nitrobenzene | 7.404 | 77 | 599817 | 48.807 | ng | | 99 |
| 25) Isophorone | 7.645 | 82 | 982492 | 48.754 | ng | | 99 |
| 26) 2-Nitrophenol | 7.722 | 139 | 287436 | 51.416 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.751 | 122 | 374236 | 49.629 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.857 | 93 | 614567 | 48.594 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.957 | 162 | 447208 | 49.935 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 495397 | 48.394 | ng | | 99 |
| 31) Naphthalene | 8.128 | 128 | 1598576 | 48.495 | ng | | 100 |
| 32) Benzoic acid | 7.869 | 122 | 391608 | 54.138 | ng | | 98 |
| 33) 4-Chloroaniline | 8.175 | 127 | 544930 | 47.801 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 302873 | 49.102 | ng | | 99 |
| 35) Caprolactam | 8.545 | 113 | 146669m | 49.927 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.651 | 107 | 488345 | 49.859 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 1021264 | 48.619 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 992651 | 47.950 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.980 | 216 | 460261 | 48.082 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 157828 | 50.395 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 318276 | 49.299 | ng | | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141117.D
Acq On : 10 Jan 2025 16:53
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Quant Time: Jan 10 22:22:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

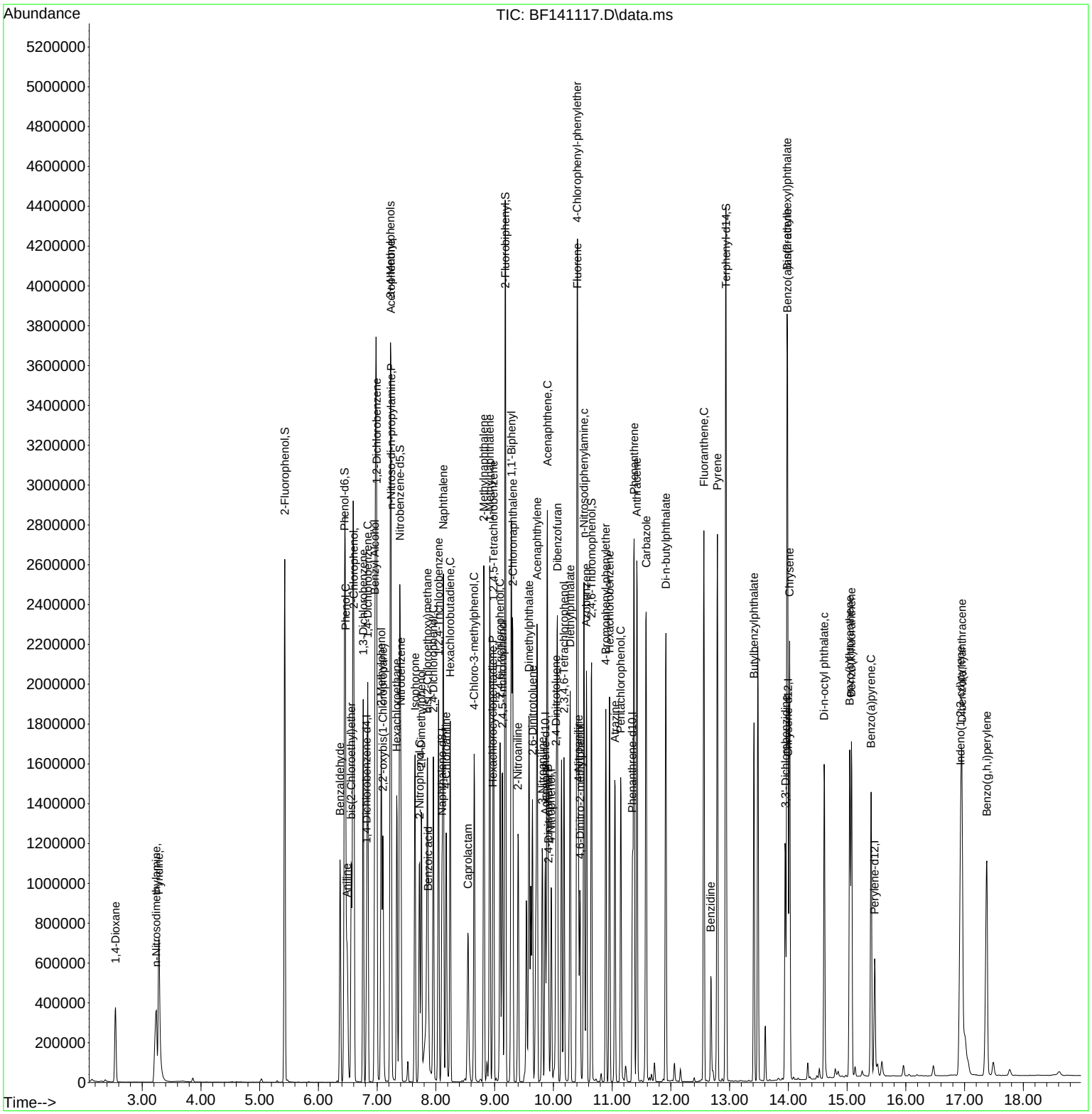
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.133 | 196 | 342288 | 50.201 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.286 | 154 | 1243305 | 48.003 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.310 | 162 | 979002 | 48.530 | ng | | 99 |
| 48) 2-Nitroaniline | 9.398 | 65 | 304048 | 50.844 | ng | | 96 |
| 49) Acenaphthylene | 9.722 | 152 | 1398990 | 48.539 | ng | | 100 |
| 50) Dimethylphthalate | 9.586 | 163 | 1098805 | 49.076 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.645 | 165 | 262596 | 50.434 | ng | | 96 |
| 52) Acenaphthene | 9.898 | 154 | 988008 | 49.066 | ng | | 99 |
| 53) 3-Nitroaniline | 9.810 | 138 | 266881 | 50.440 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.916 | 184 | 139903 | 56.530 | ng | # | 86 |
| 55) Dibenzofuran | 10.069 | 168 | 1321844 | 48.261 | ng | | 100 |
| 56) 4-Nitrophenol | 9.963 | 139 | 220382 | 53.183 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 10.045 | 165 | 353808 | 52.728 | ng | | 97 |
| 58) Fluorene | 10.410 | 166 | 1011650 | 47.543 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.180 | 232 | 277818 | 49.019 | ng | | 98 |
| 60) Diethylphthalate | 10.286 | 149 | 1074789 | 49.171 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204 | 494329 | 47.665 | ng | | 97 |
| 62) 4-Nitroaniline | 10.427 | 138 | 269415 | 52.024 | ng | | 98 |
| 63) Azobenzene | 10.563 | 77 | 1054277 | 48.881 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198 | 192136 | 55.890 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 10.522 | 169 | 894530 | 46.748 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 326554 | 47.810 | ng | | 99 |
| 68) Hexachlorobenzene | 10.957 | 284 | 361542 | 47.551 | ng | | 99 |
| 69) Atrazine | 11.051 | 200 | 272232 | 52.837 | ng | | 99 |
| 70) Pentachlorophenol | 11.145 | 266 | 250381 | 51.422 | ng | | 99 |
| 71) Phenanthrene | 11.374 | 178 | 1503408 | 47.203 | ng | | 99 |
| 72) Anthracene | 11.422 | 178 | 1473797 | 47.589 | ng | | 100 |
| 73) Carbazole | 11.580 | 167 | 1386206 | 48.815 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.916 | 149 | 1600680 | 49.255 | ng | | 100 |
| 75) Fluoranthene | 12.563 | 202 | 1558556 | 49.037 | ng | | 99 |
| 77) Benzidine | 12.680 | 184 | 290459 | 45.814 | ng | | 99 |
| 78) Pyrene | 12.792 | 202 | 1571607 | 48.129 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.416 | 149 | 578964 | 53.179 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.986 | 228 | 1136119 | 48.830 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.951 | 252 | 364178 | 49.156 | ng | | 99 |
| 83) Chrysene | 14.021 | 228 | 1057551 | 48.577 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.980 | 149 | 700052 | 53.591 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.610 | 149 | 1055383 | 53.503 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.933 | 276 | 1185030 | 48.477 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.045 | 252 | 1096957 | 50.984 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.074 | 252 | 865456 | 47.598 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.410 | 252 | 874134 | 49.243 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 16.956 | 278 | 959595 | 48.535 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.380 | 276 | 996659 | 48.464 | ng | | 99 |

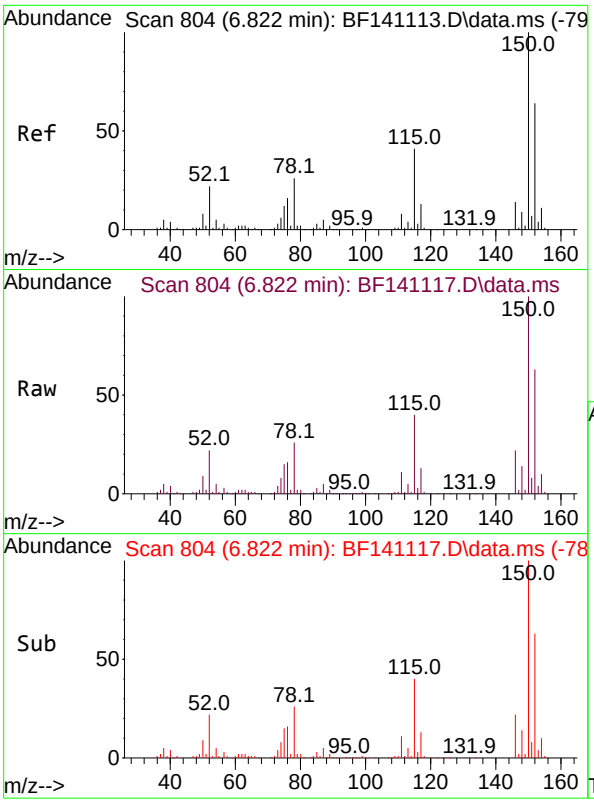
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141117.D
Acq On : 10 Jan 2025 16:53
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Quant Time: Jan 10 22:22:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration



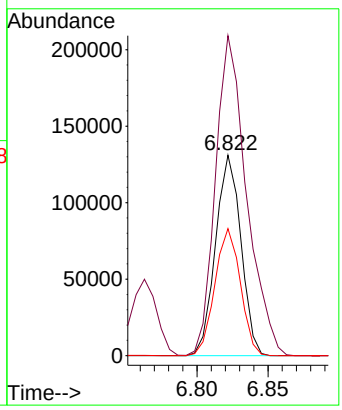


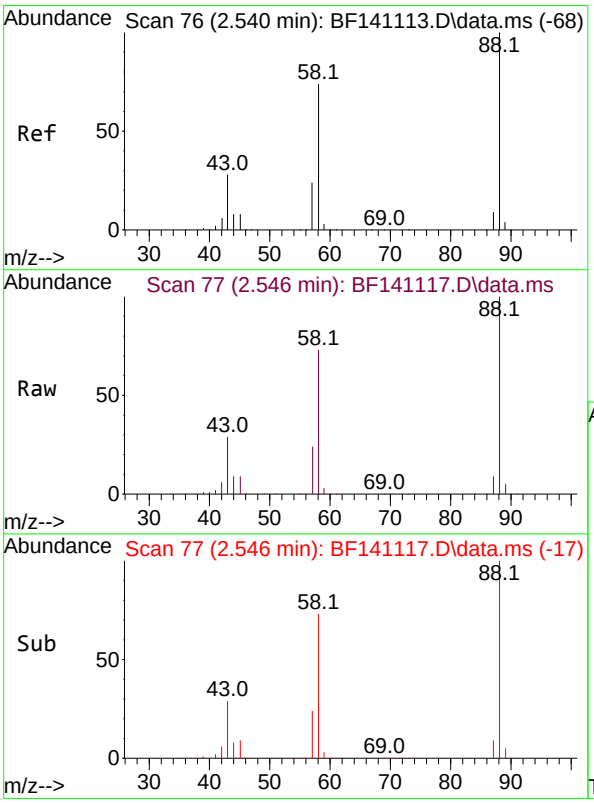

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:152 Resp: 163037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.6 | 125.8 | 188.8 |
| 115 | 63.4 | 51.4 | 77.2 |

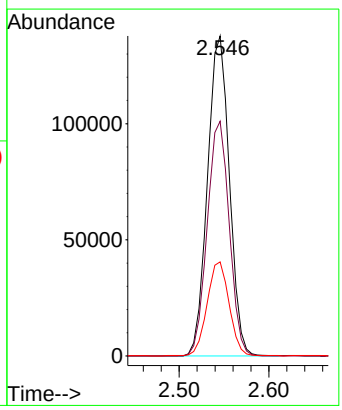


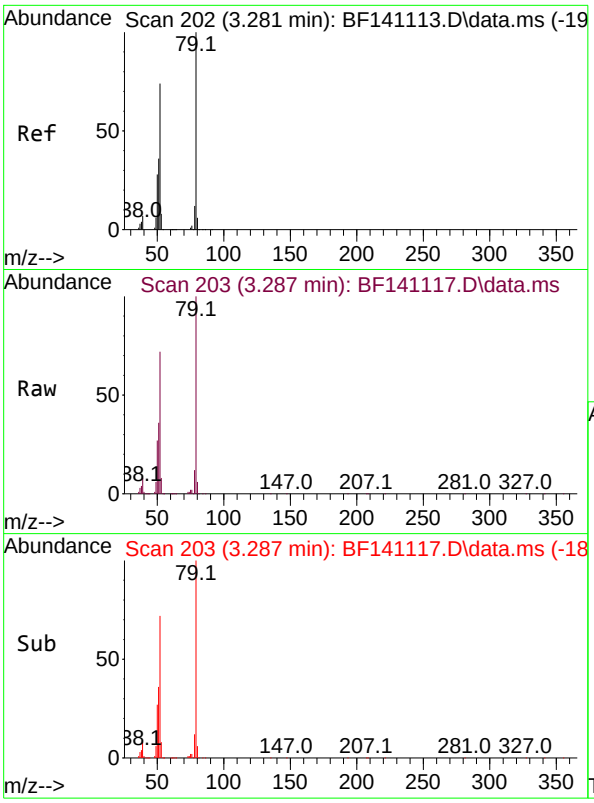




#2
1,4-Dioxane
Concen: 49.679 ng
RT: 2.546 min Scan# 77
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 88 Resp: 233484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 73.8 | 60.1 | 90.1 |
| 43 | 29.7 | 23.1 | 34.7 |



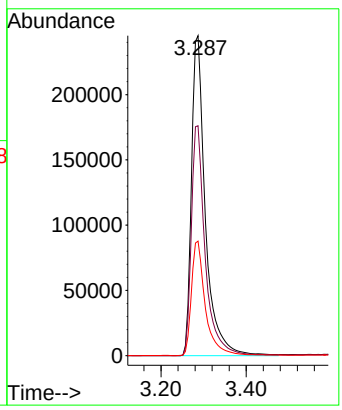


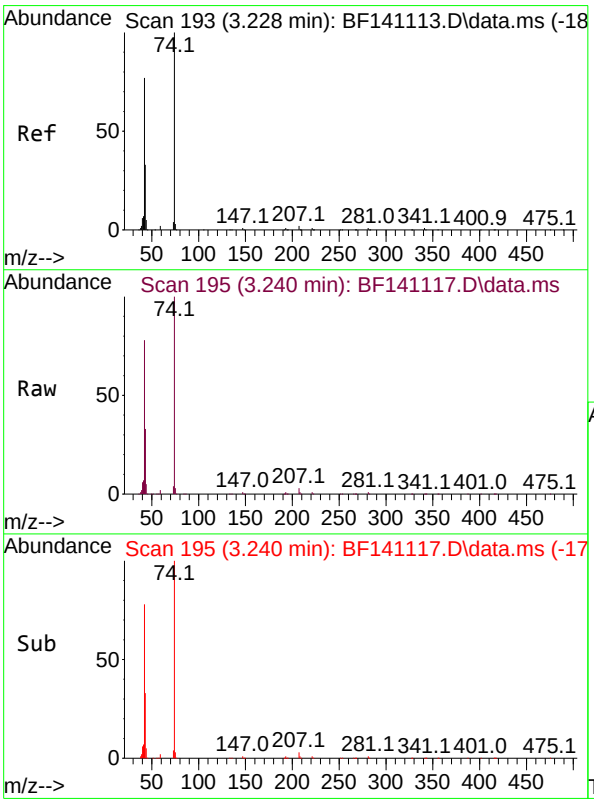

#3
Pyridine
Concen: 48.225 ng
RT: 3.287 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 79 Resp: 555795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 71.9 | 58.9 | 88.3 |
| 51 | 35.8 | 29.1 | 43.7 |

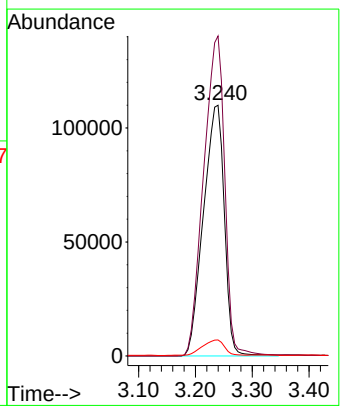


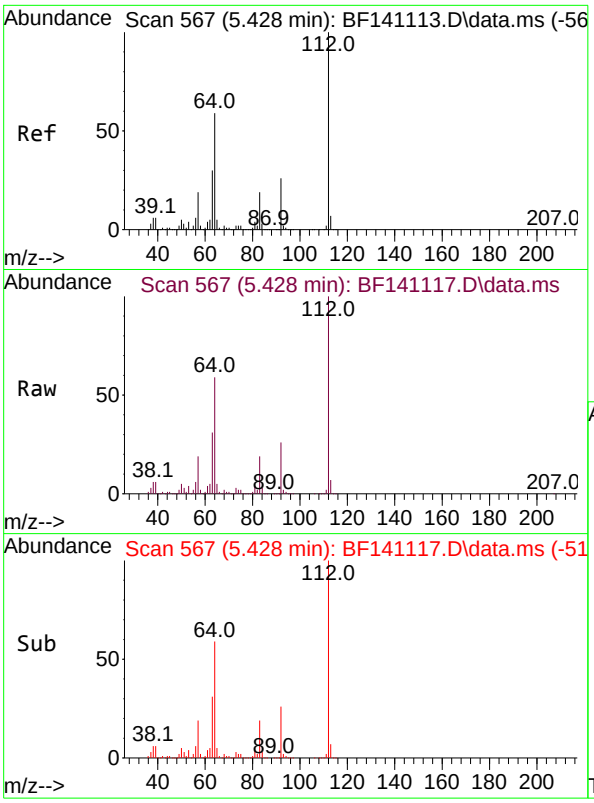




#4
n-Nitrosodimethylamine
Concen: 49.752 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.012 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 42 Resp: 280365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 127.7 | 103.8 | 155.6 |
| 44 | 6.4 | 5.3 | 7.9 |



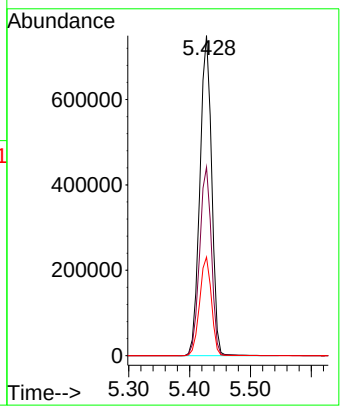


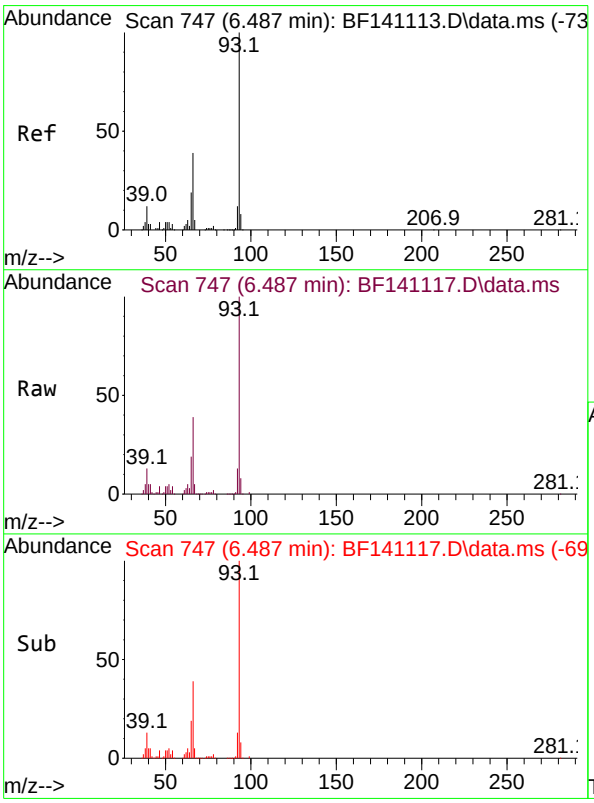

#5
2-Fluorophenol
Concen: 95.484 ng
RT: 5.428 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:112 Resp: 1007728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.9 | 47.3 | 70.9 |
| 63 | 30.8 | 24.2 | 36.2 |

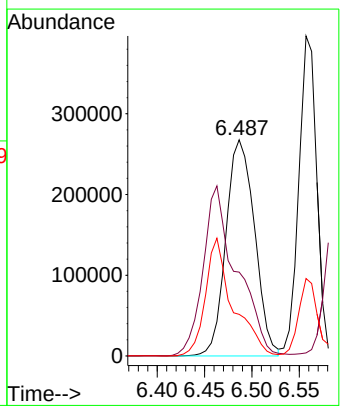


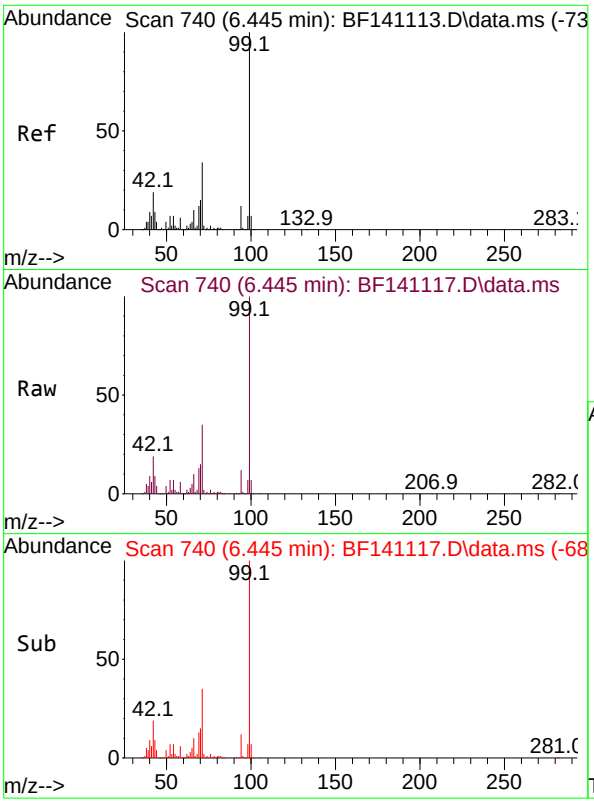




#6
Aniline
Concen: 47.577 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 93 Resp: 564714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.8 | 31.5 | 47.3 |
| 65 | 19.3 | 15.3 | 22.9 |



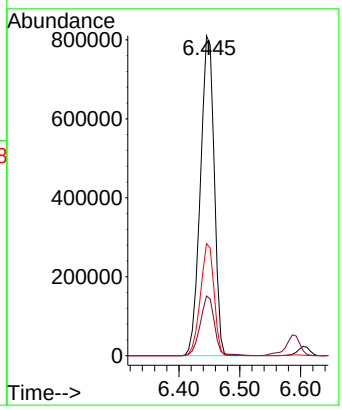


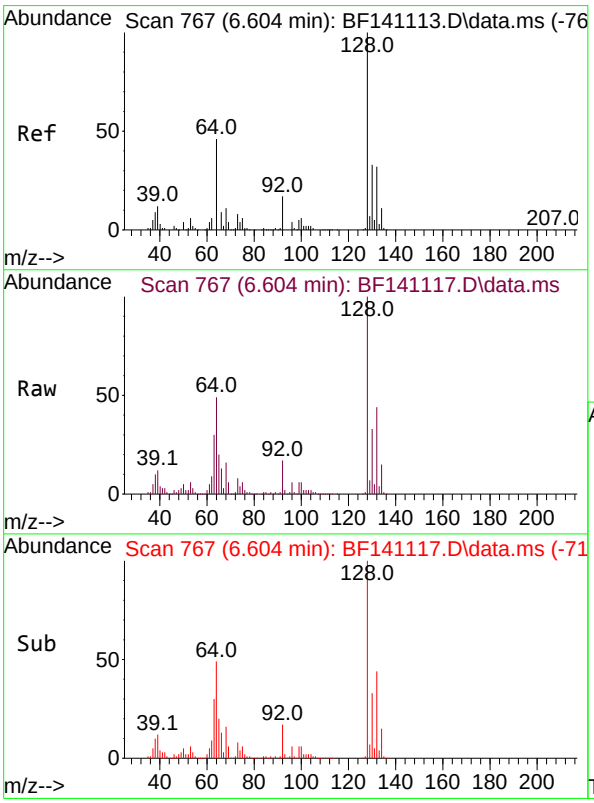

#7
Phenol-d6
Concen: 95.699 ng
RT: 6.445 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 99 Resp: 1279370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.6 | 15.0 | 22.4 |
| 71 | 35.1 | 27.6 | 41.4 |

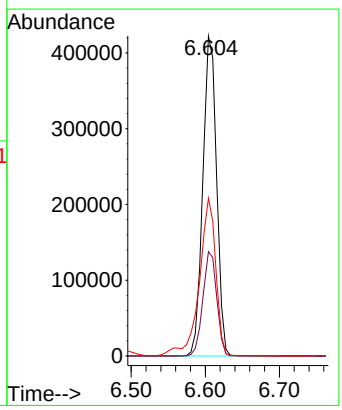


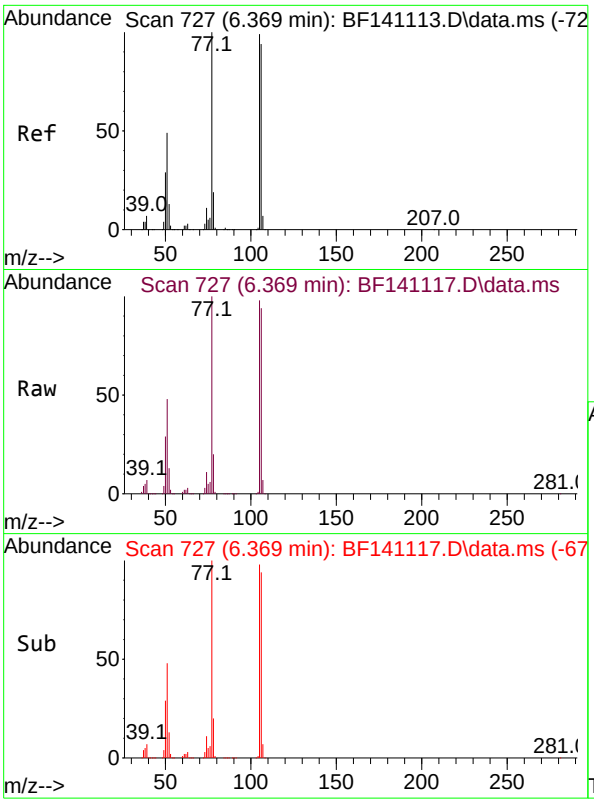




#8
2-Chlorophenol
Concen: 48.153 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:128 Resp: 545244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.6 | 12.5 | 52.5 |
| 64 | 49.3 | 28.3 | 68.3 |



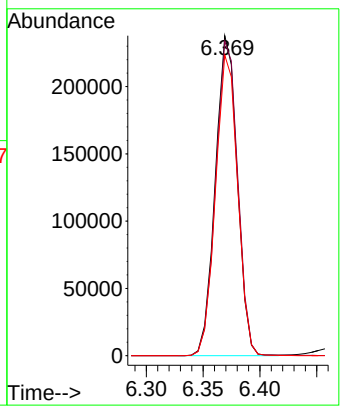


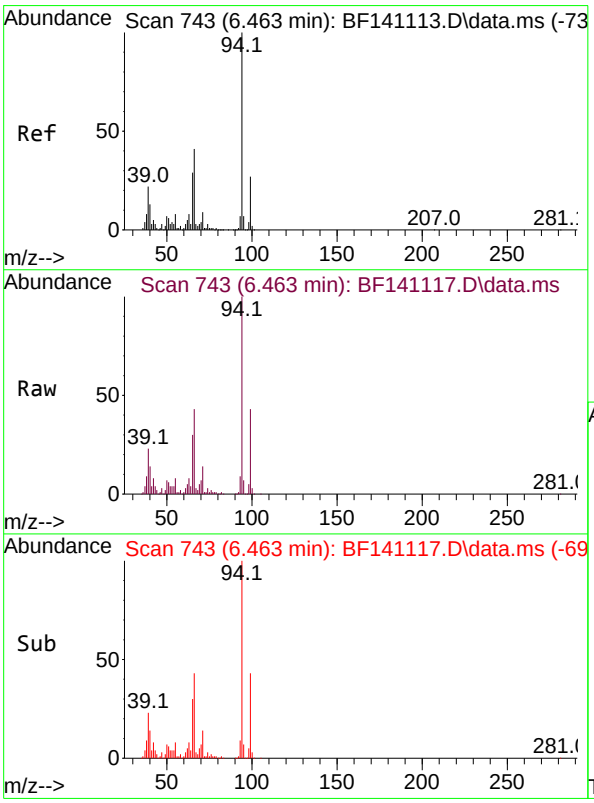

#9
Benzaldehyde
Concen: 42.669 ng
RT: 6.369 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 77 Resp: 318659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 98.3 | 78.9 | 118.9 |
| 106 | 93.9 | 73.6 | 113.6 |

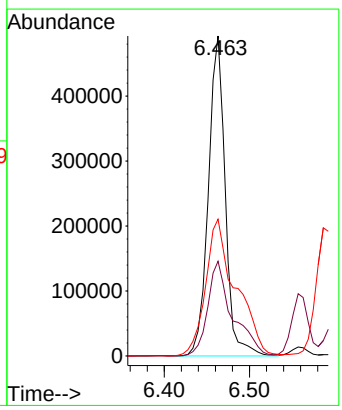


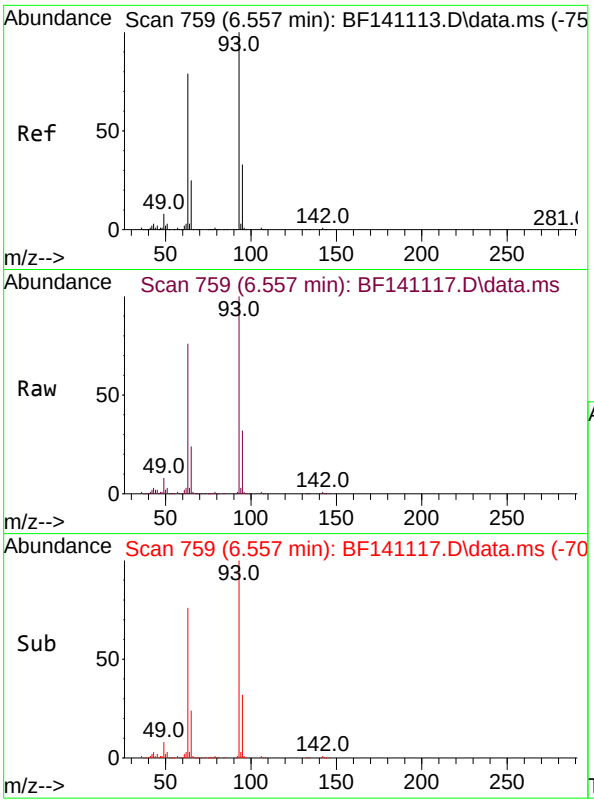




#10
Phenol
Concen: 47.420 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 94 Resp: 678615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.6 | 8.9 | 48.9 |
| 66 | 42.8 | 21.2 | 61.2 |



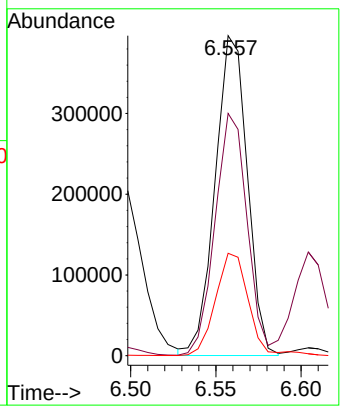


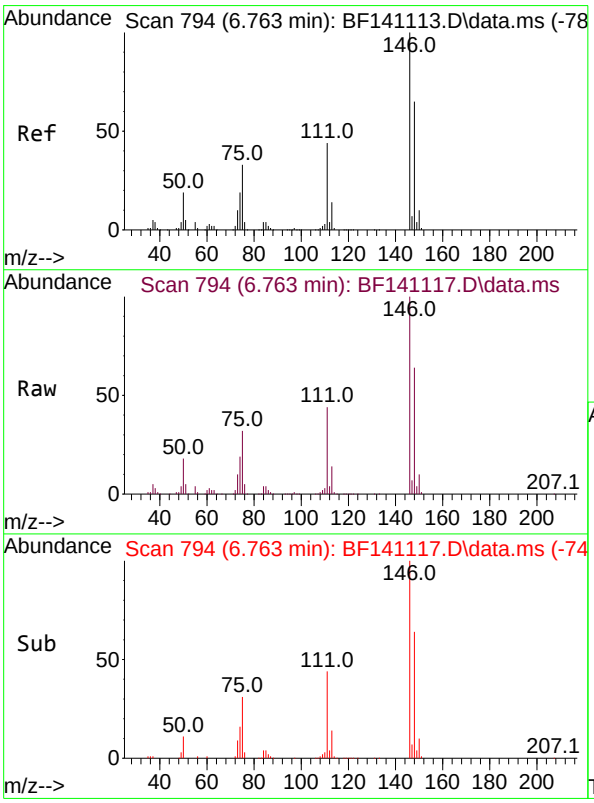

#11
bis(2-Chloroethyl)ether
Concen: 48.869 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 93 Resp: 521191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 75.7 | 58.0 | 98.0 |
| 95 | 32.0 | 12.5 | 52.5 |

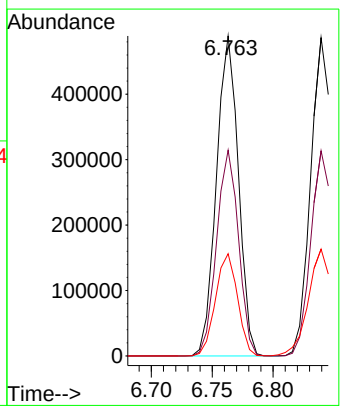


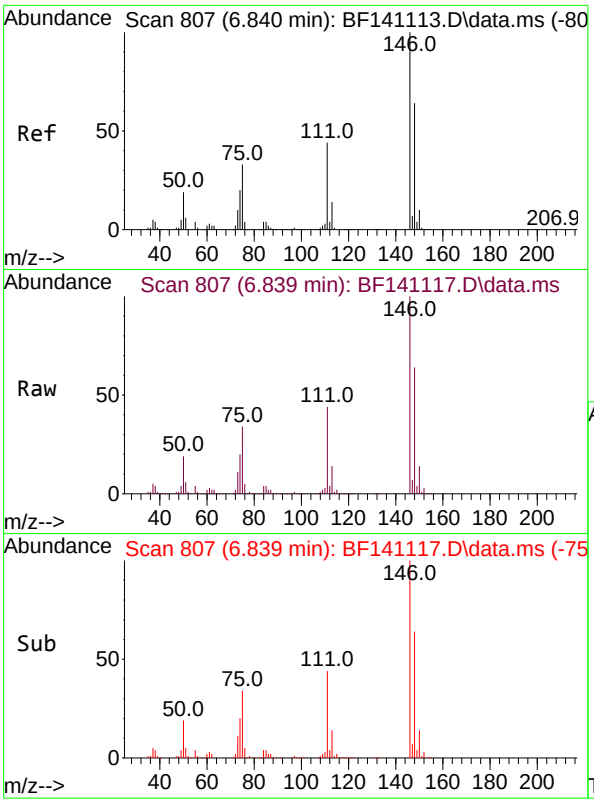




#12
1,3-Dichlorobenzene
Concen: 48.605 ng
RT: 6.763 min Scan# 794
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:146 Resp: 613813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 51.6 | 77.4 |
| 75 | 32.0 | 26.2 | 39.2 |



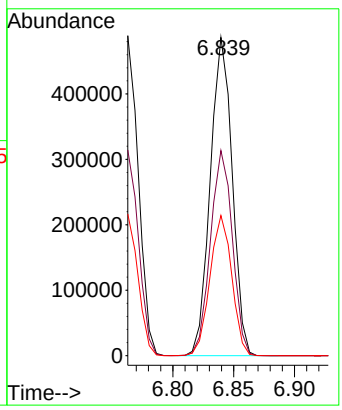


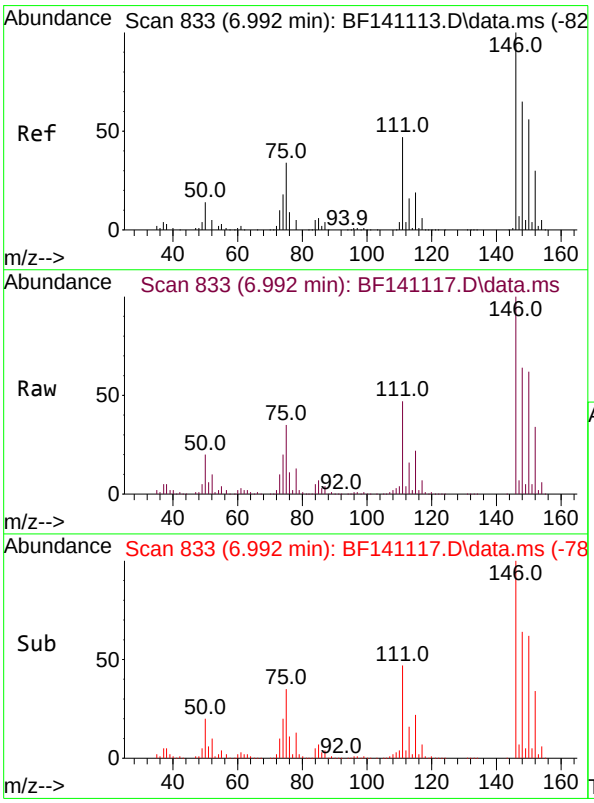

#13
1,4-Dichlorobenzene
Concen: 47.881 ng
RT: 6.839 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:146 Resp: 609332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.0 | 76.6 |
| 111 | 44.0 | 34.9 | 52.3 |

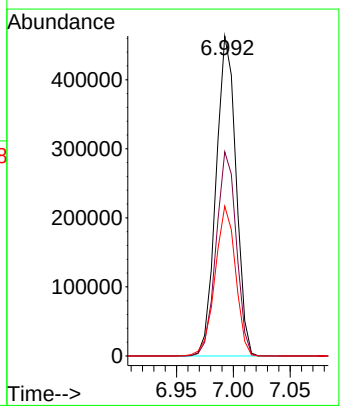


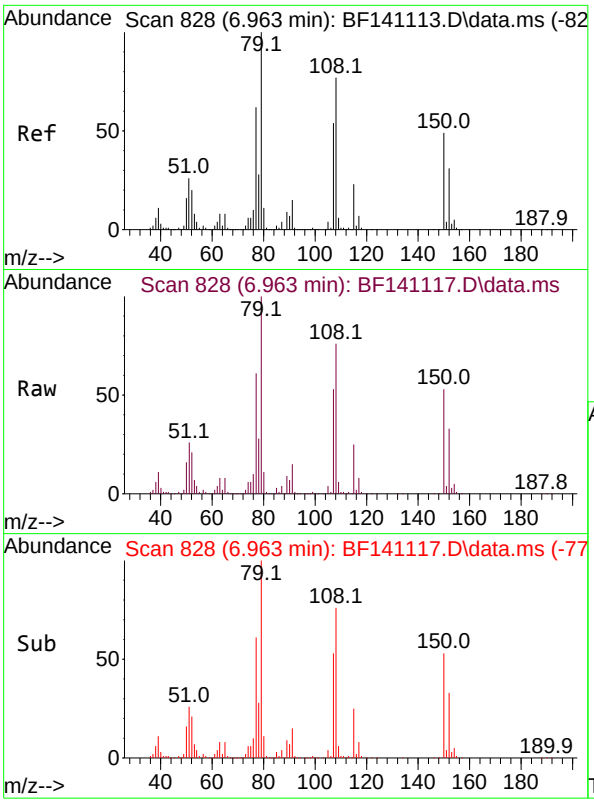




#14
1,2-Dichlorobenzene
Concen: 47.656 ng
RT: 6.992 min Scan# 833
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:146 Resp: 565717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 52.2 | 78.4 |
| 111 | 46.8 | 37.5 | 56.3 |



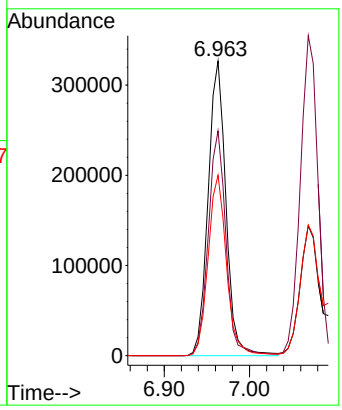


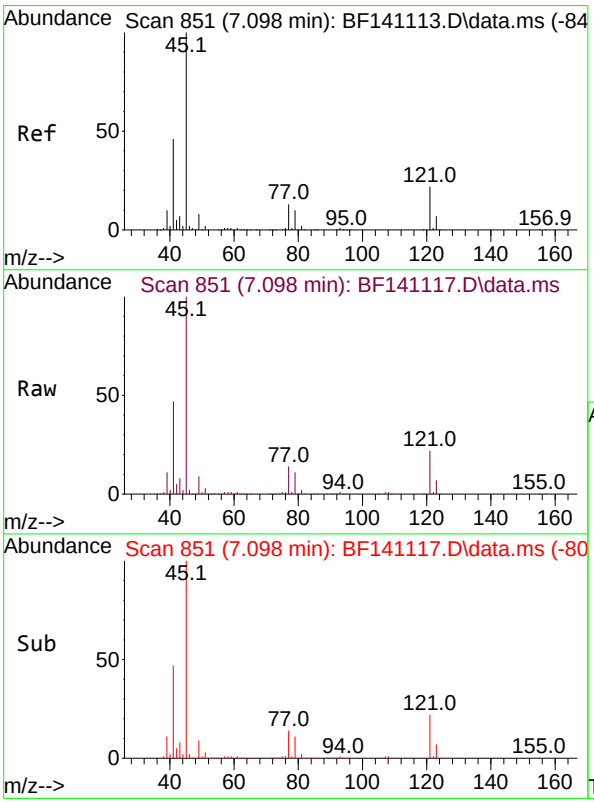

#15
Benzyl Alcohol
Concen: 49.156 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 79 Resp: 474583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.3 | 61.4 | 92.0 |
| 77 | 61.3 | 49.8 | 74.6 |

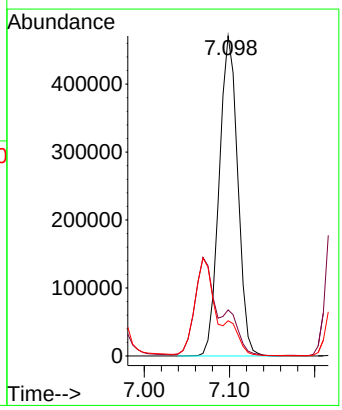


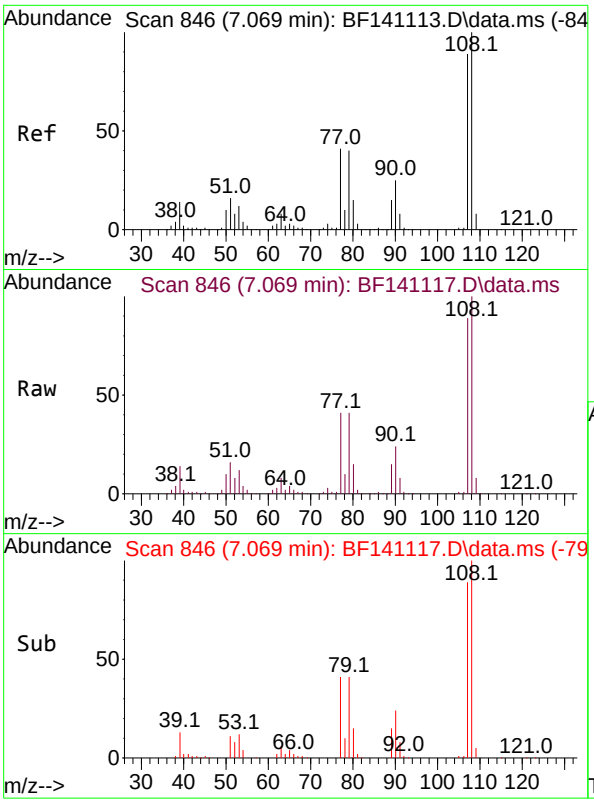




#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.824 ng
RT: 7.098 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 45 Resp: 711735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.4 | 0.0 | 34.1 |
| 79 | 11.0 | 0.0 | 31.0 |



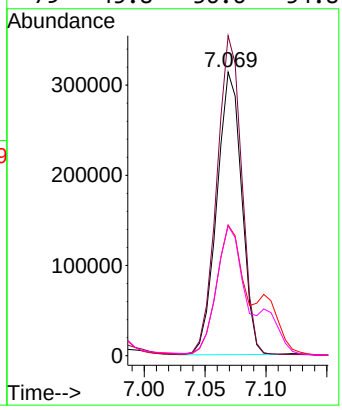


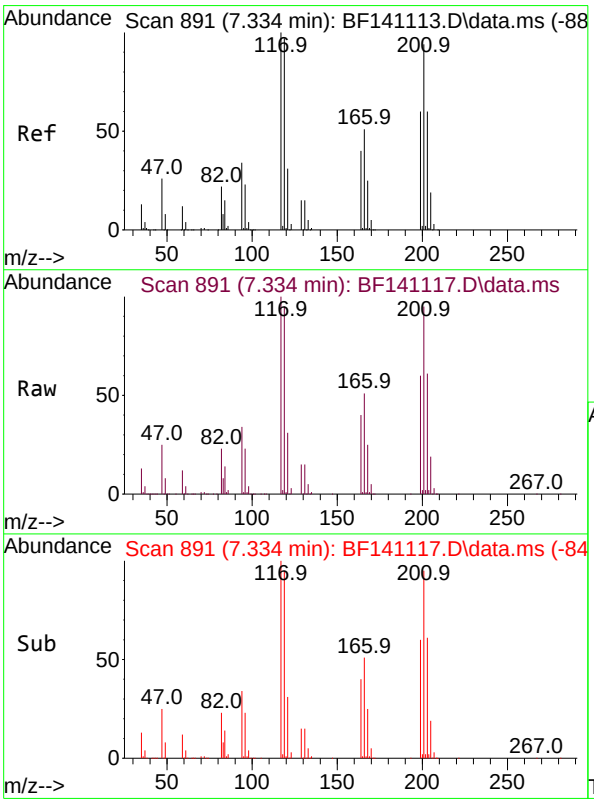

#17
2-Methylphenol
Concen: 48.644 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:107 Resp: 444678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.9 | 90.1 | 135.1 |
| 77 | 46.1 | 36.6 | 55.0 |
| 79 | 45.8 | 36.6 | 54.8 |

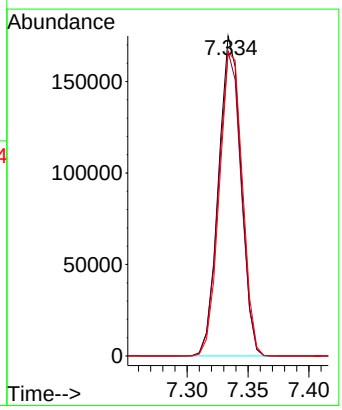


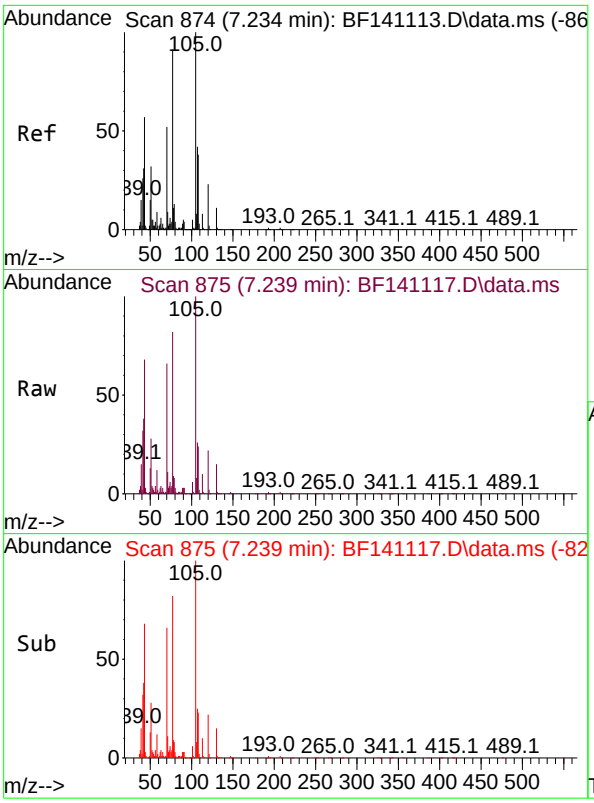




#18
Hexachloroethane
Concen: 48.837 ng
RT: 7.334 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:117 Resp: 224751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.2 | 77.6 | 116.4 |
| 201 | 95.1 | 75.1 | 112.7 |



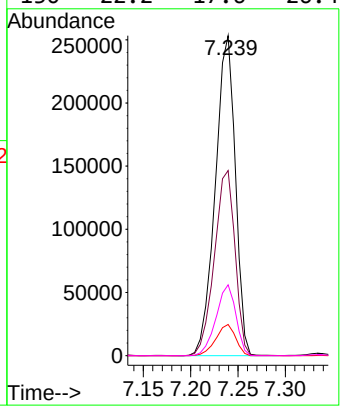


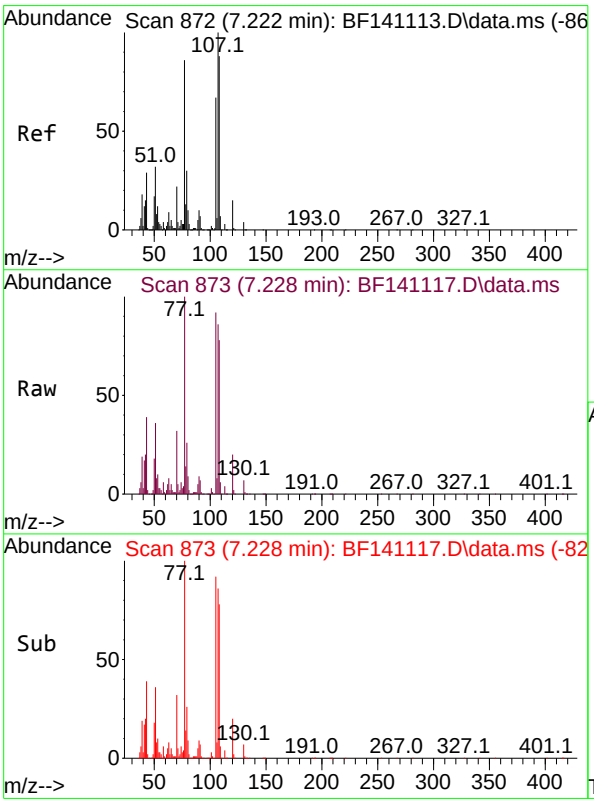

#19
n-Nitroso-di-n-propylamine
Concen: 47.373 ng
RT: 7.239 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 70 Resp: 373068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.9 | 47.8 | 71.6 |
| 101 | 9.7 | 7.9 | 11.9 |
| 130 | 22.2 | 17.6 | 26.4 |

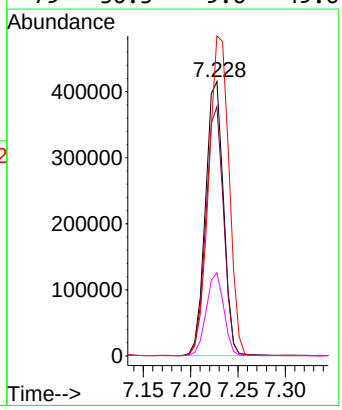


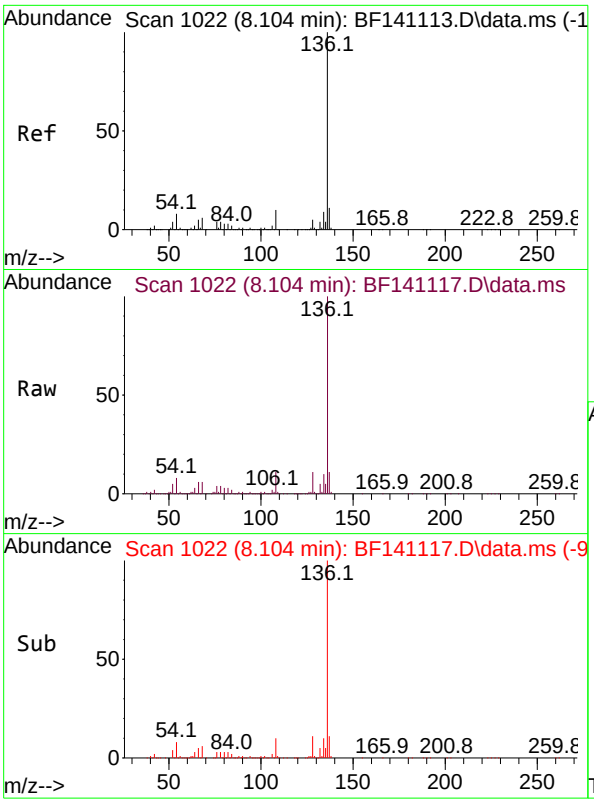




#20
3+4-Methylphenols
Concen: 47.429 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:107 Resp: 546998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.9 | 68.3 | 108.3 |
| 77 | 116.6 | 66.4 | 106.4# |
| 79 | 30.3 | 9.6 | 49.6 |



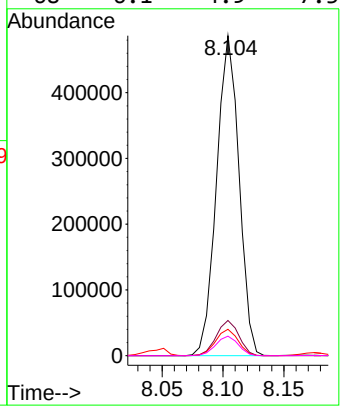


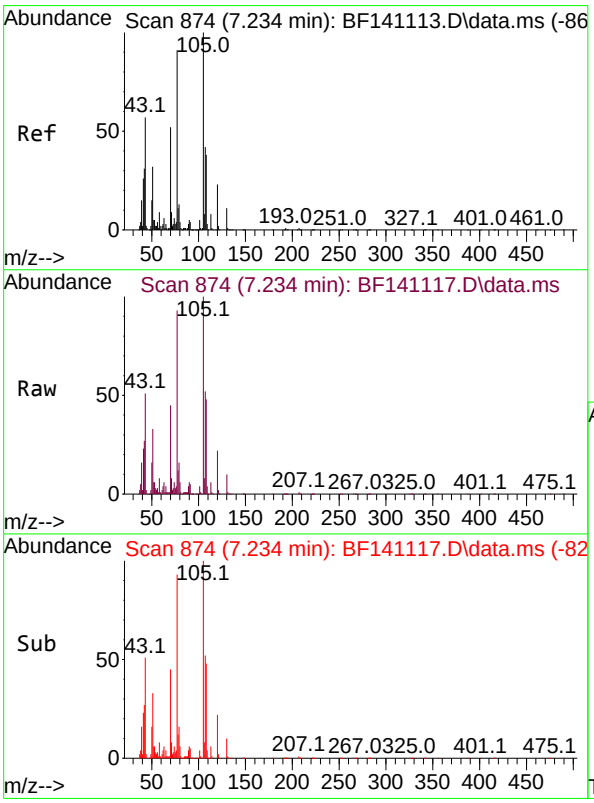

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:136 Resp: 625072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 8.3 | 6.3 | 9.5 |
| 68 | 6.1 | 4.9 | 7.3 |

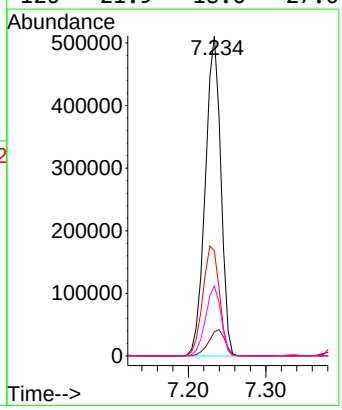


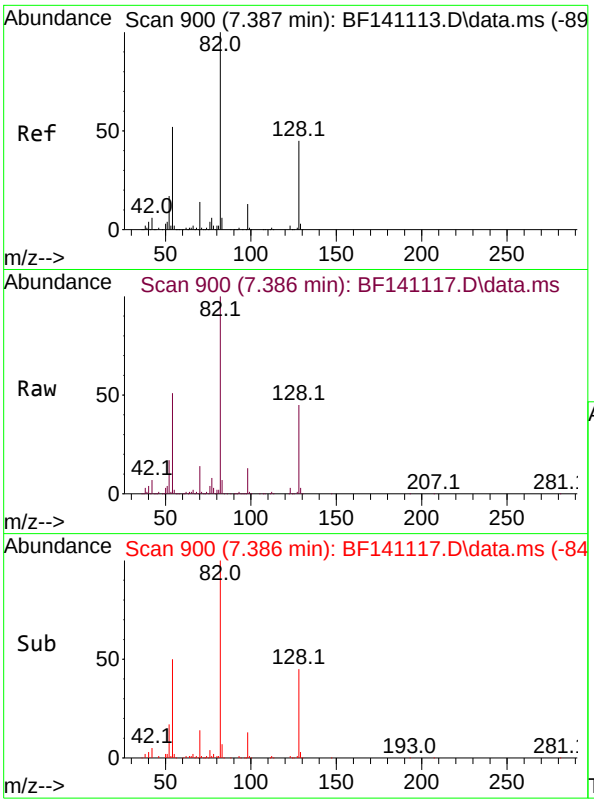




#22
Acetophenone
Concen: 47.871 ng
RT: 7.234 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:105 Resp: 711333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.5 | 7.1 | 10.7 |
| 51 | 32.9 | 25.4 | 38.2 |
| 120 | 21.9 | 18.0 | 27.0 |



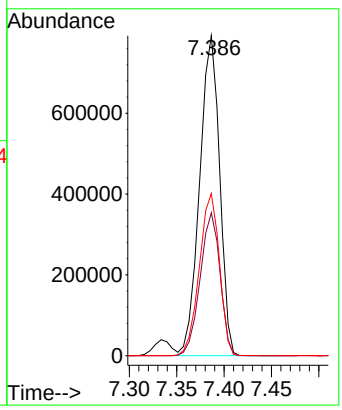


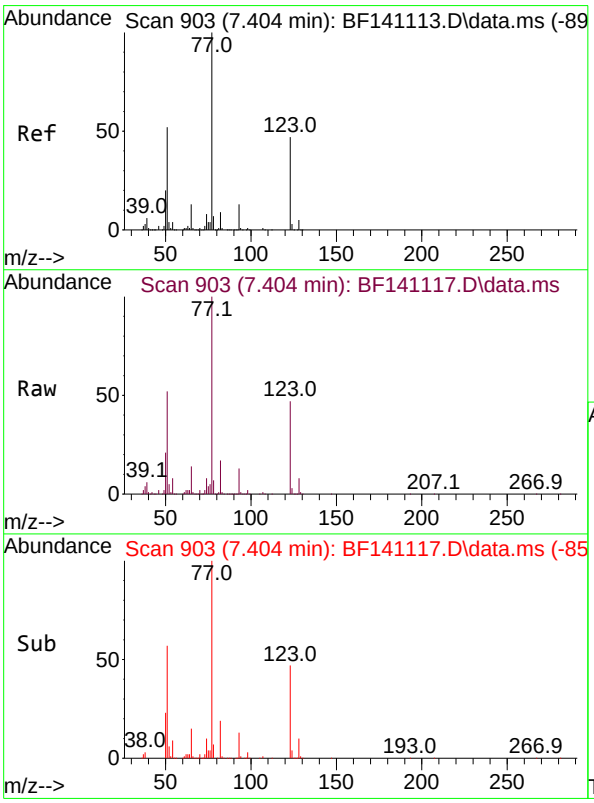

#23
Nitrobenzene-d5
Concen: 98.108 ng
RT: 7.386 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 82 Resp: 1156878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.6 | 36.1 | 54.1 |
| 54 | 50.7 | 41.0 | 61.4 |

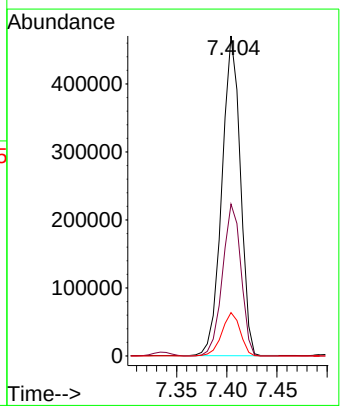


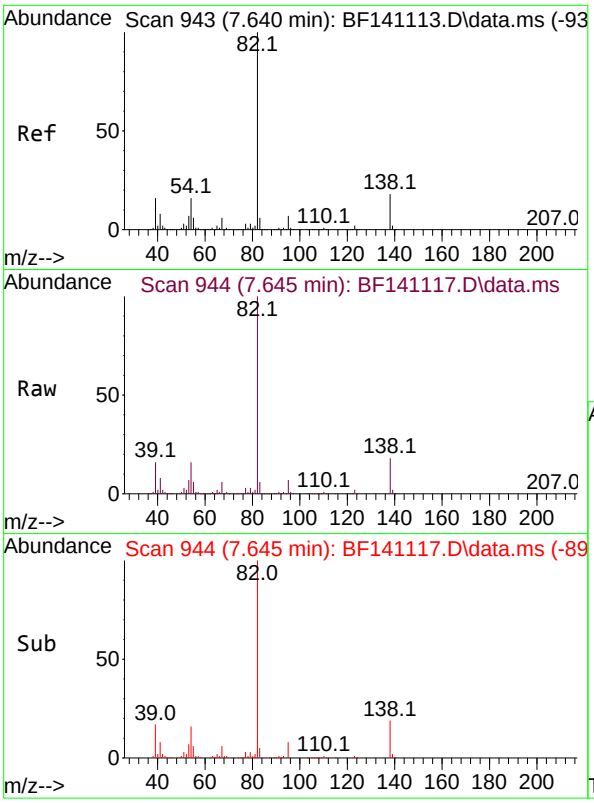




#24
Nitrobenzene
Concen: 48.807 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 77 Resp: 599817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.5 | 37.7 | 56.5 |
| 65 | 13.6 | 10.6 | 16.0 |



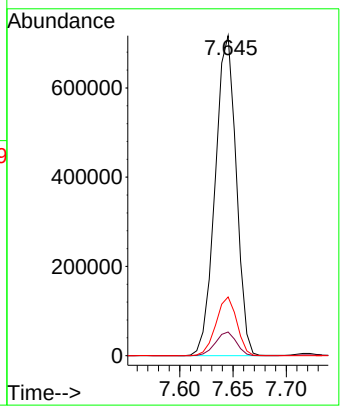


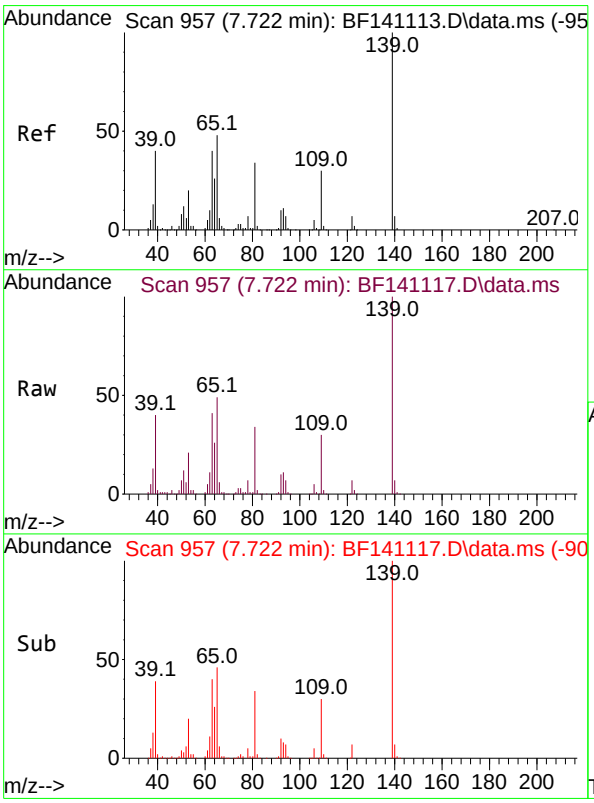

#25
Isophorone
Concen: 48.754 ng
RT: 7.645 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 82 Resp: 982492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.4 | 5.9 | 8.9 |
| 138 | 18.3 | 14.2 | 21.2 |

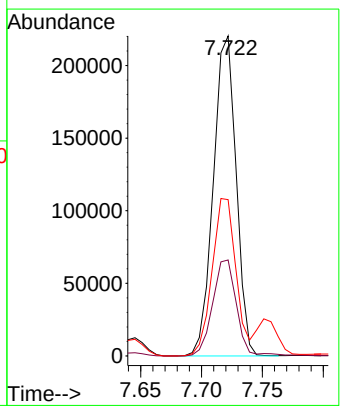


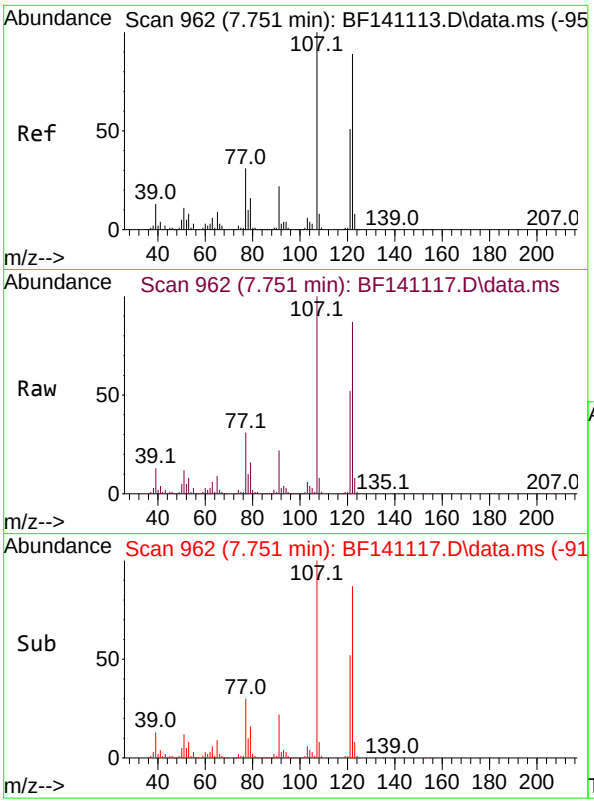




#26
2-Nitrophenol
Concen: 51.416 ng
RT: 7.722 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:139 Resp: 287436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.0 | 23.8 | 35.6 |
| 65 | 48.8 | 38.5 | 57.7 |



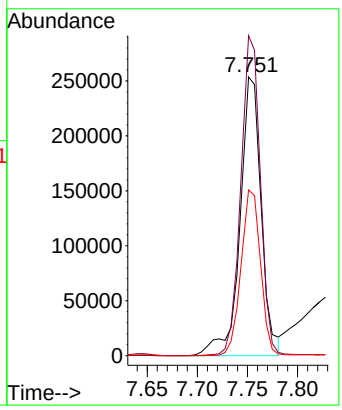


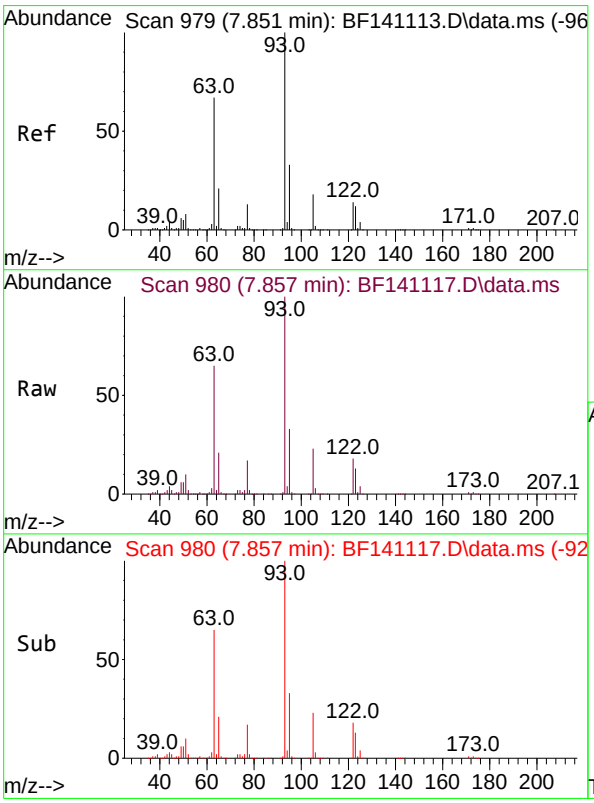

#27
2,4-Dimethylphenol
Concen: 49.629 ng
RT: 7.751 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:122 Resp: 374236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.8 | 90.3 | 135.5 |
| 121 | 59.5 | 46.5 | 69.7 |

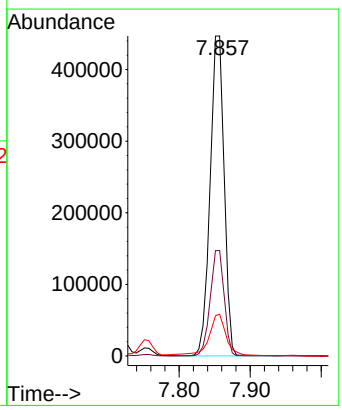


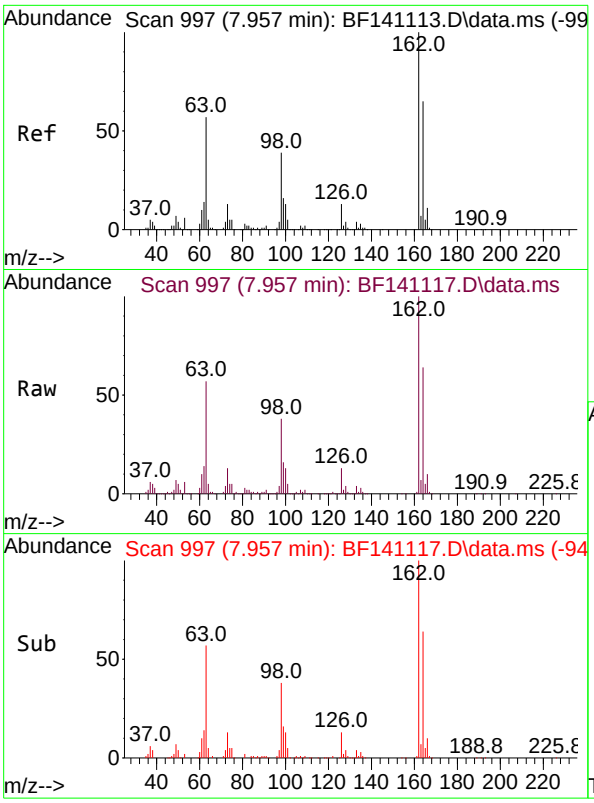




#28
bis(2-Chloroethoxy)methane
Concen: 48.594 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 93 Resp: 614567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.0 | 26.2 | 39.4 |
| 123 | 13.1 | 10.1 | 15.1 |



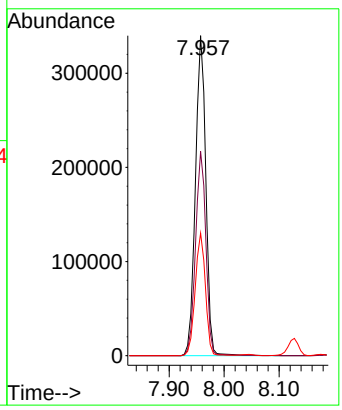


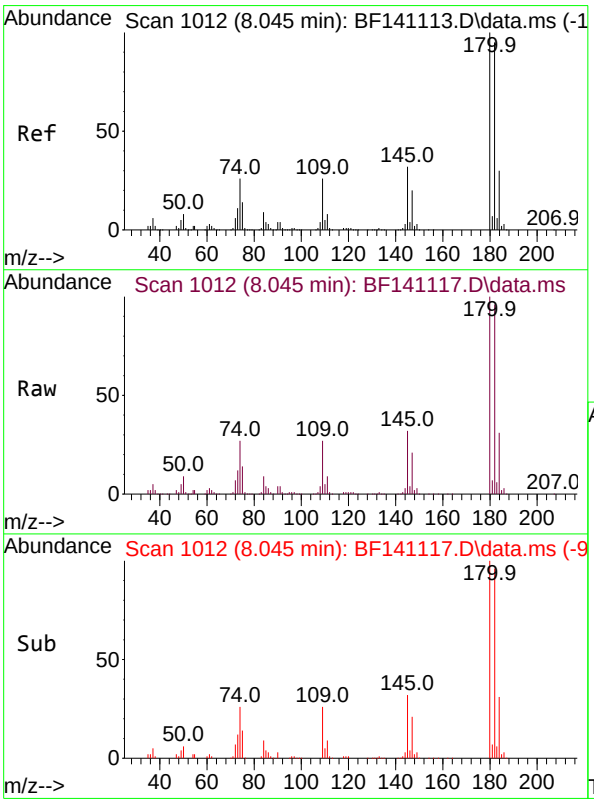

#29
2,4-Dichlorophenol
Concen: 49.935 ng
RT: 7.957 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:162 Resp: 447208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.9 | 44.5 | 84.5 |
| 98 | 38.3 | 18.5 | 58.5 |

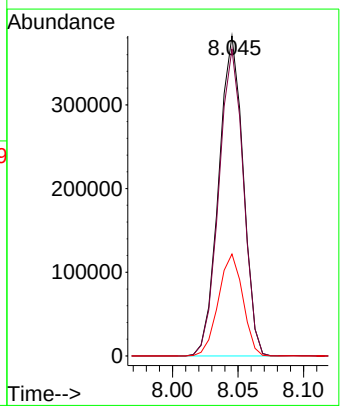


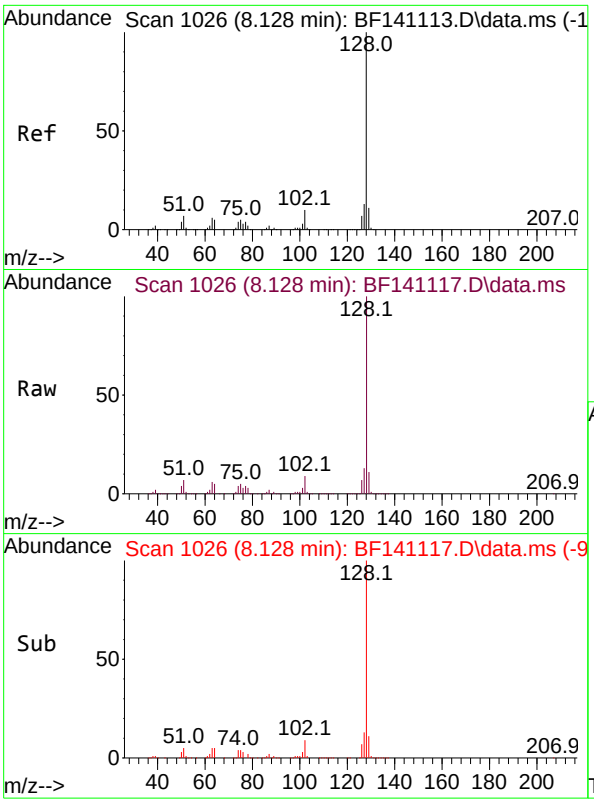




#30
1,2,4-Trichlorobenzene
Concen: 48.394 ng
RT: 8.045 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:180 Resp: 495397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 76.2 | 114.2 |
| 145 | 31.8 | 25.3 | 37.9 |



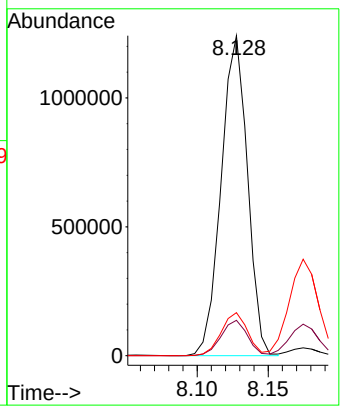


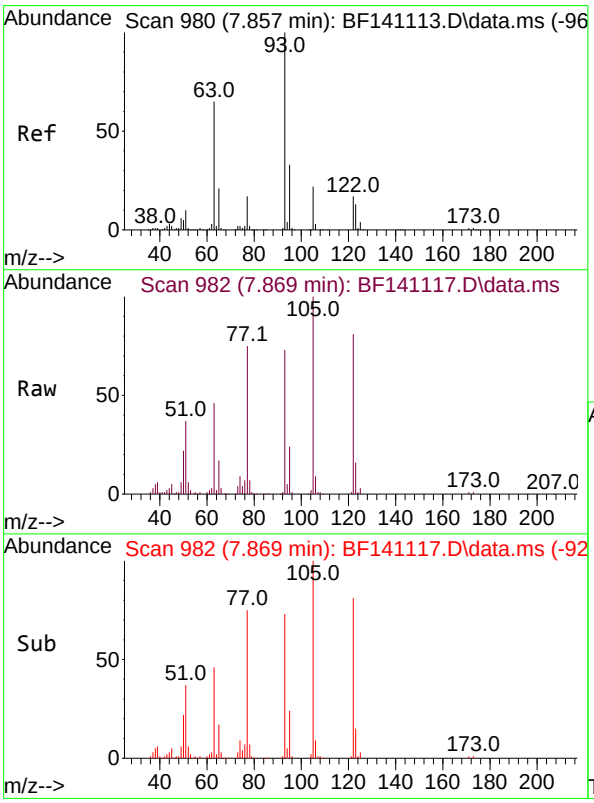

#31
Naphthalene
Concen: 48.495 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:128 Resp: 1598576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 9.0 | 13.6 |
| 127 | 13.5 | 10.8 | 16.2 |

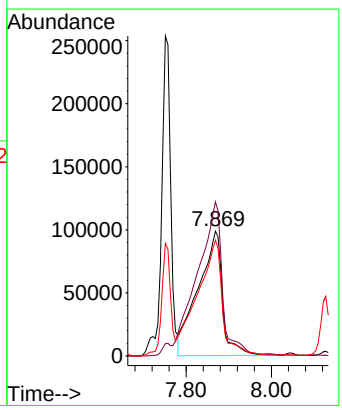


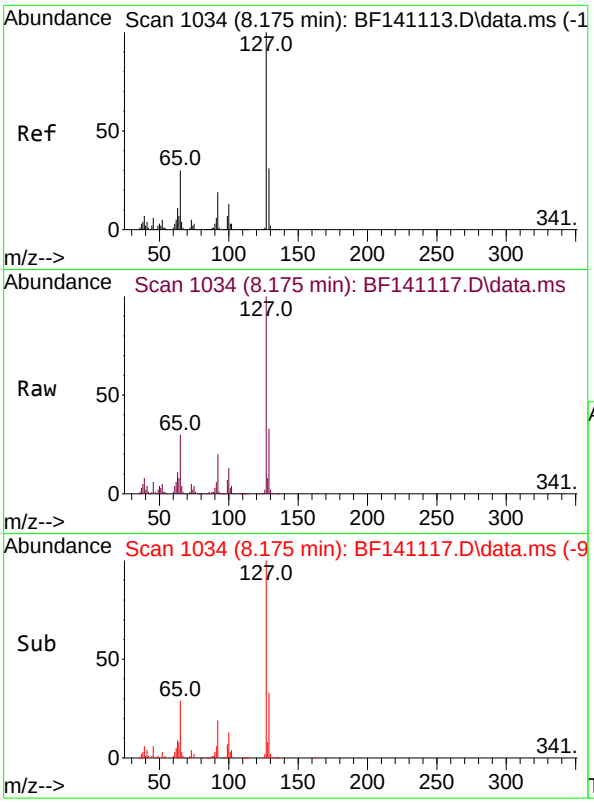




#32
Benzoic acid
Concen: 54.138 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.012 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:122 Resp: 391608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.5 | 105.5 | 145.5 |
| 77 | 92.8 | 75.1 | 115.1 |



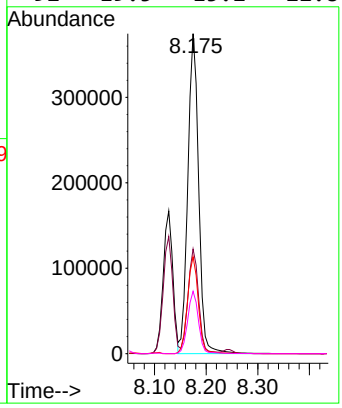


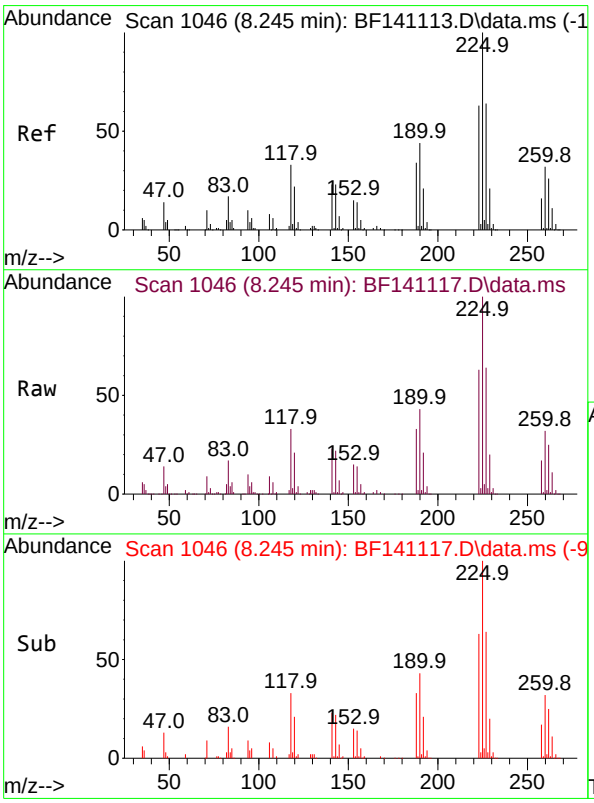

#33
4-Chloroaniline
Concen: 47.801 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:127 Resp: 544930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.7 | 25.9 | 38.9 |
| 65 | 30.3 | 23.8 | 35.8 |
| 92 | 19.5 | 15.2 | 22.8 |

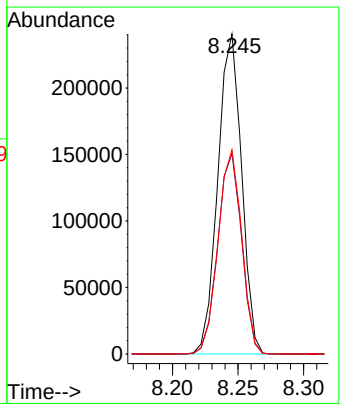


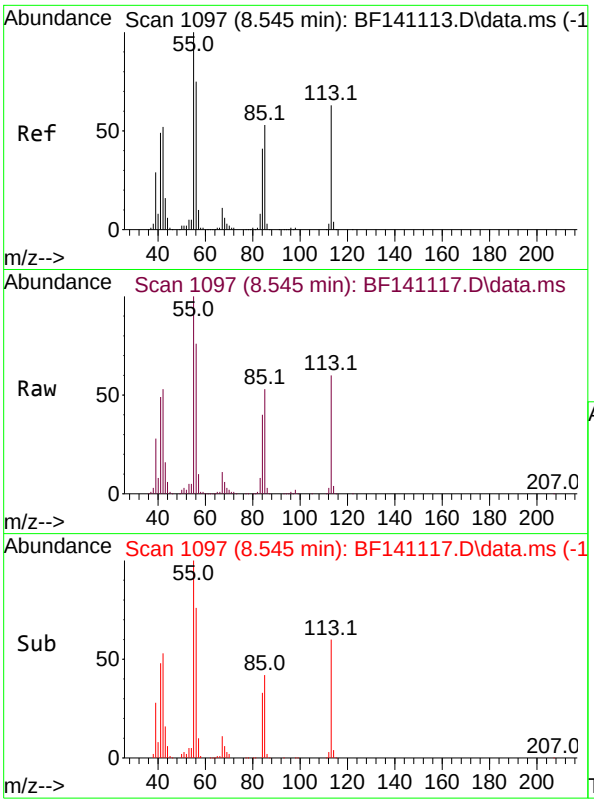




#34
Hexachlorobutadiene
Concen: 49.102 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:225 Resp: 302873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.6 | 50.6 | 76.0 |
| 227 | 63.8 | 51.6 | 77.4 |



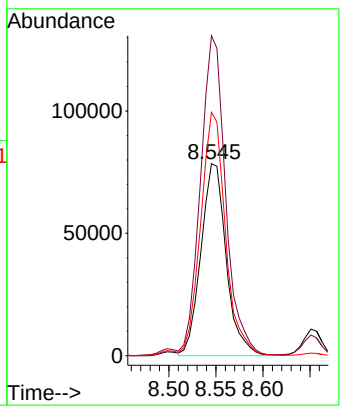


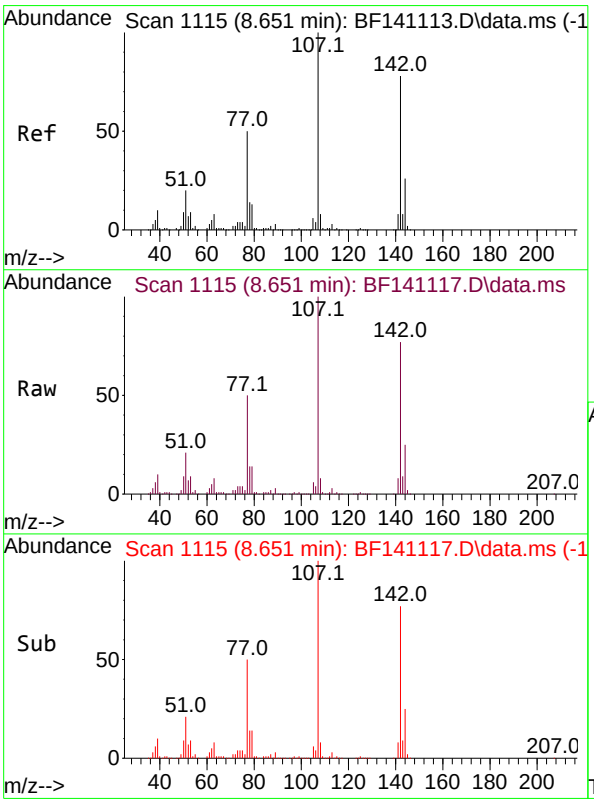

#35
Caprolactam
Concen: 49.927 ng m
RT: 8.545 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:113 Resp: 146669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 166.6 | 139.7 | 179.7 |
| 56 | 126.8 | 99.4 | 139.4 |

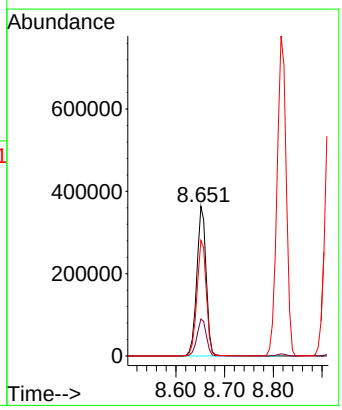


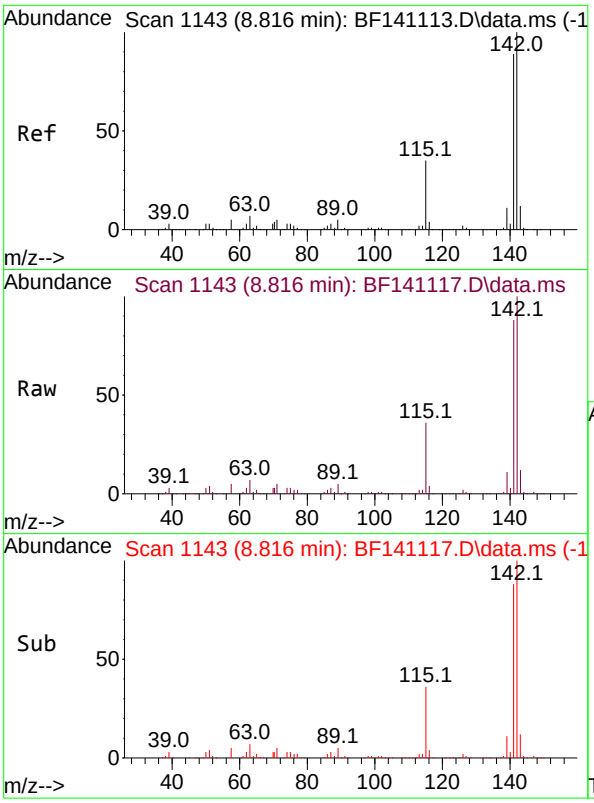




#36
4-Chloro-3-methylphenol
Concen: 49.859 ng
RT: 8.651 min Scan# 1115
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:107 Resp: 488345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.7 | 20.4 | 30.6 |
| 142 | 77.2 | 62.2 | 93.2 |



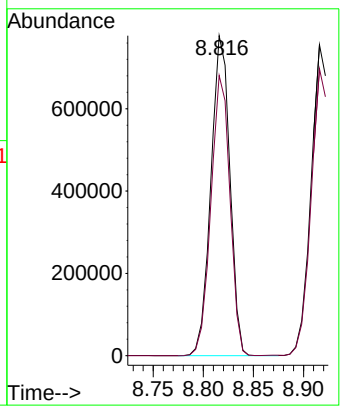


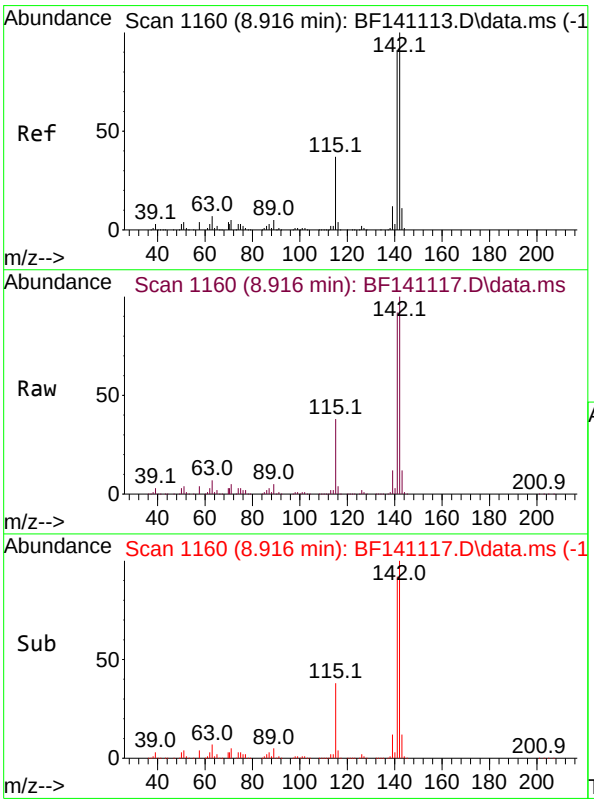

#37
2-Methylnaphthalene
Concen: 48.619 ng
RT: 8.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:142 Resp: 1021264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.5 | 71.3 | 106.9 |

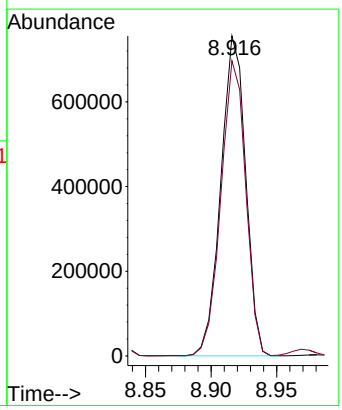


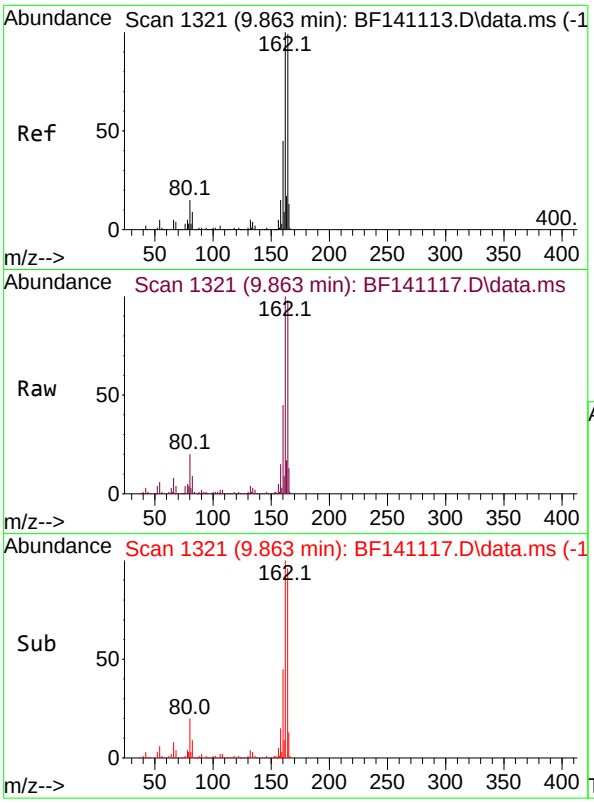




#38
1-Methylnaphthalene
Concen: 47.950 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:142 Resp: 992651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.3 | 73.1 | 109.7 |



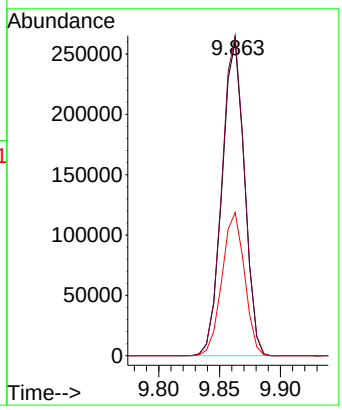


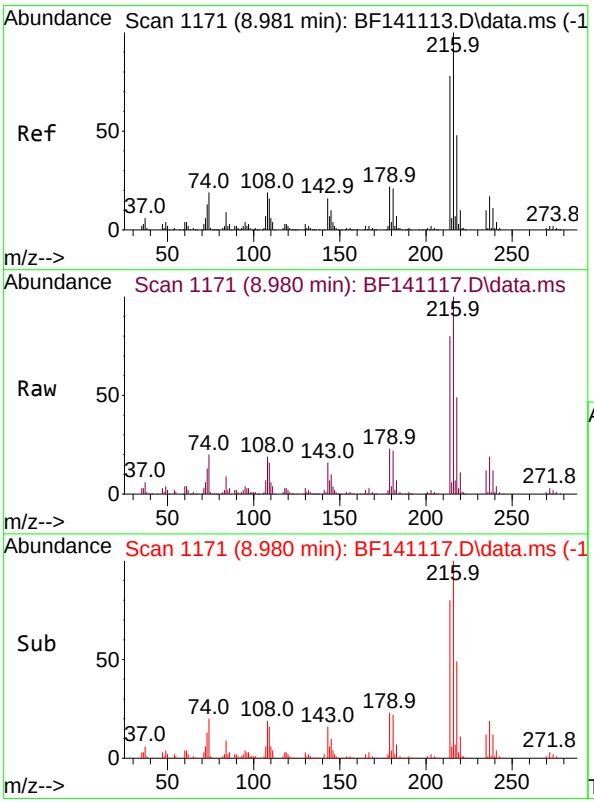

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:164 Resp: 333513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.9 | 81.0 | 121.4 |
| 160 | 45.6 | 36.1 | 54.1 |

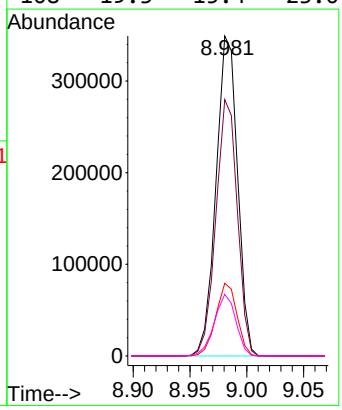


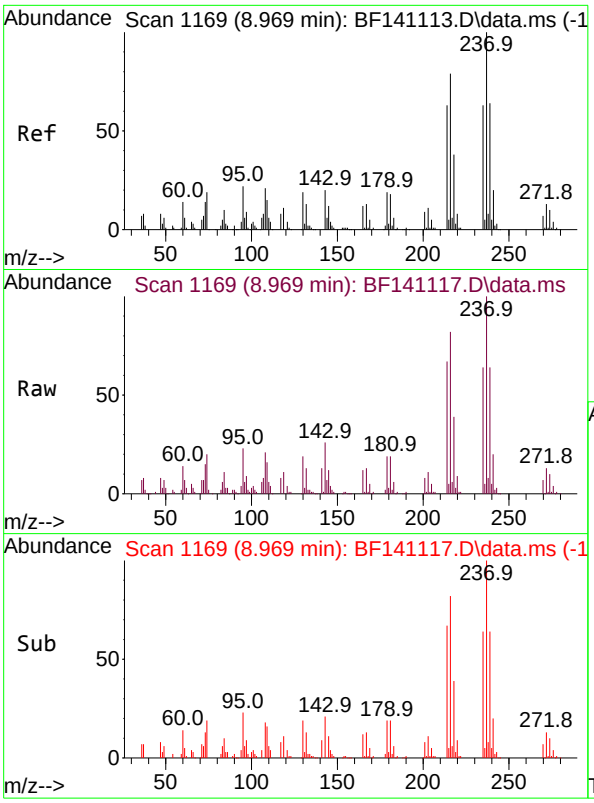




#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.082 ng
RT: 8.980 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:216 Resp: 460261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.7 | 62.6 | 94.0 |
| 179 | 22.3 | 17.7 | 26.5 |
| 108 | 19.3 | 15.4 | 23.0 |



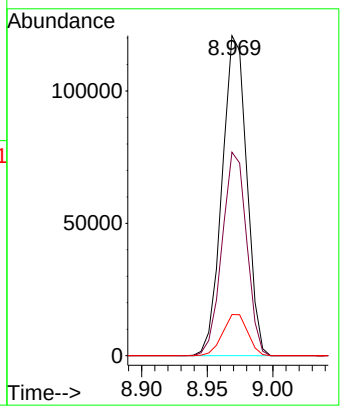


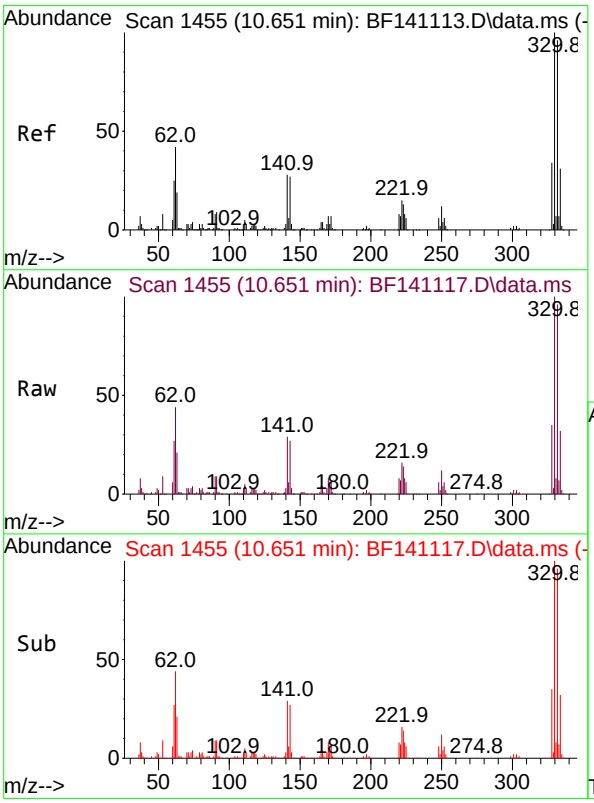

#41
Hexachlorocyclopentadiene
Concen: 50.395 ng
RT: 8.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:237 Resp: 157828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.6 | 43.0 | 83.0 |
| 272 | 12.8 | 0.0 | 33.0 |

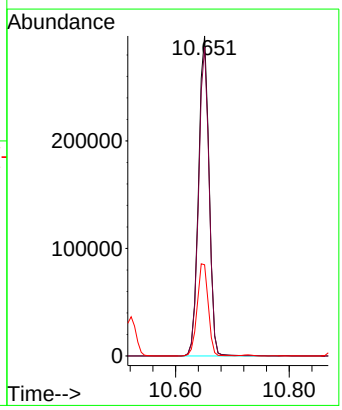


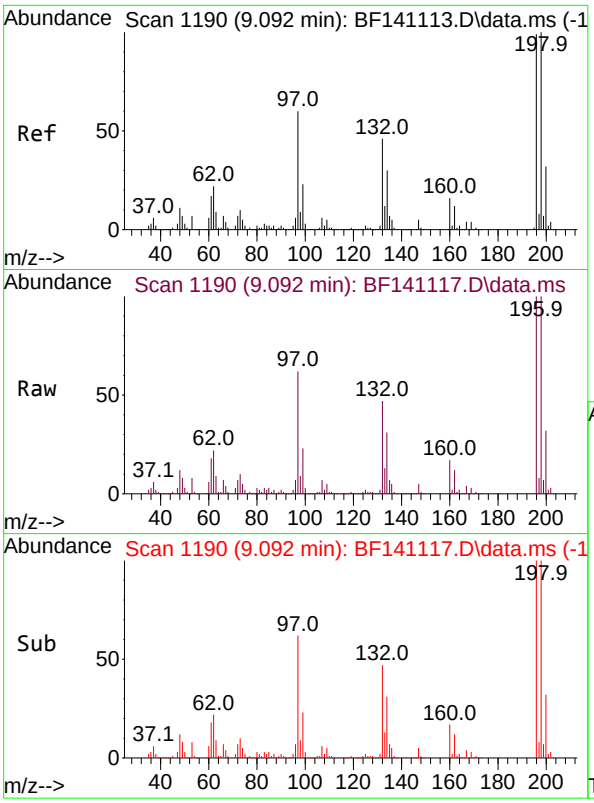




#42
2,4,6-Tribromophenol
Concen: 101.033 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:330 Resp: 383942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 76.9 | 115.3 |
| 141 | 30.2 | 25.2 | 37.8 |



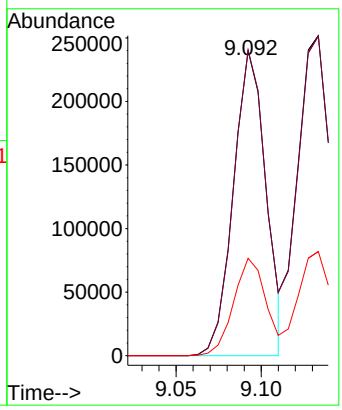


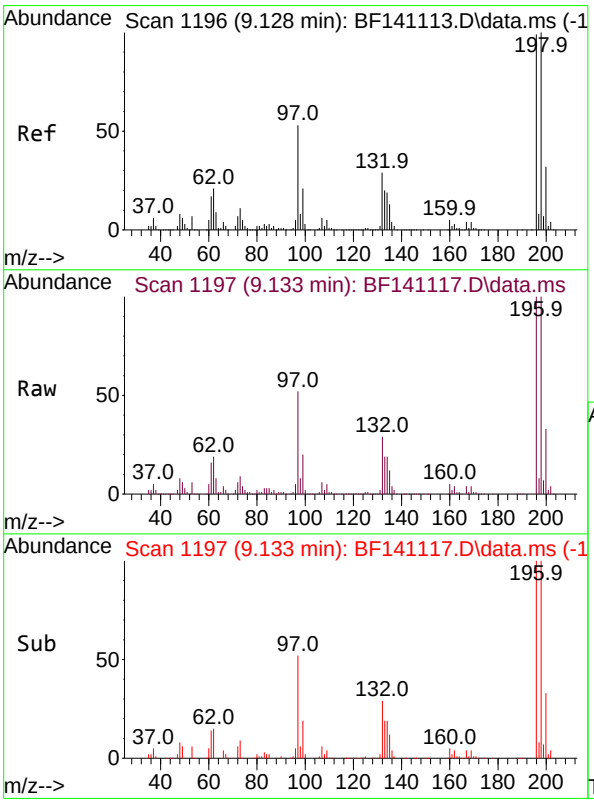

#43
2,4,6-Trichlorophenol
Concen: 49.299 ng
RT: 9.092 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:196 Resp: 318276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.3 | 80.8 | 121.2 |
| 200 | 32.0 | 25.7 | 38.5 |

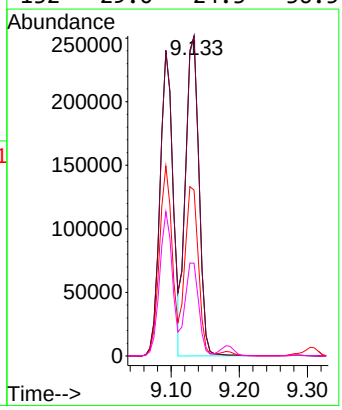


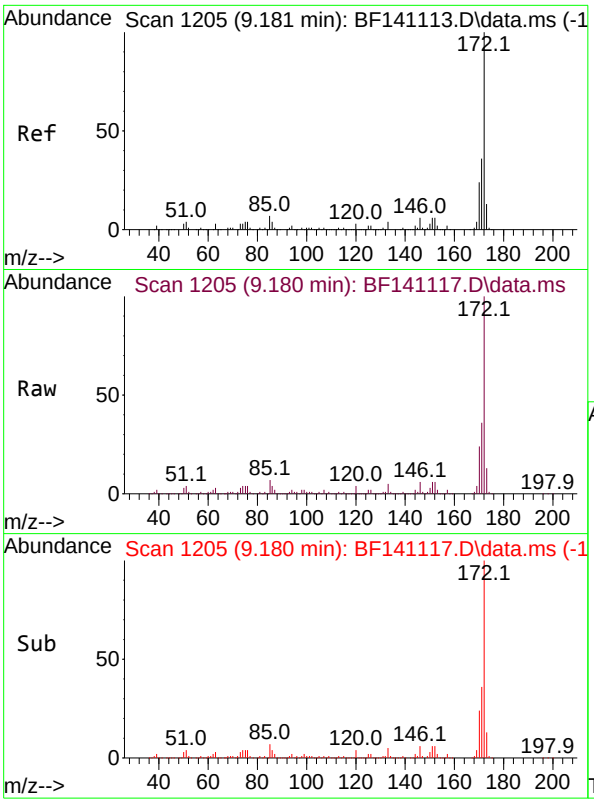




#44
2,4,5-Trichlorophenol
Concen: 50.201 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:196 Resp: 342288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.9 | 80.6 | 120.8 |
| 97 | 51.9 | 43.1 | 64.7 |
| 132 | 29.0 | 24.3 | 36.5 |



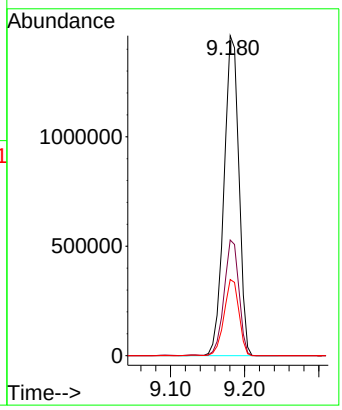


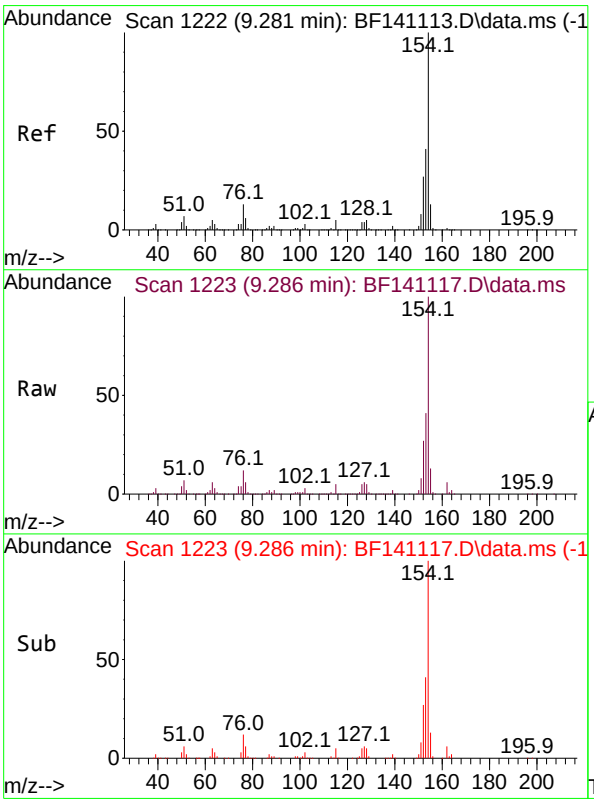

#45
2-Fluorobiphenyl
Concen: 93.427 ng
RT: 9.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:172 Resp: 2040487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 28.7 | 43.1 |
| 170 | 23.8 | 19.0 | 28.6 |

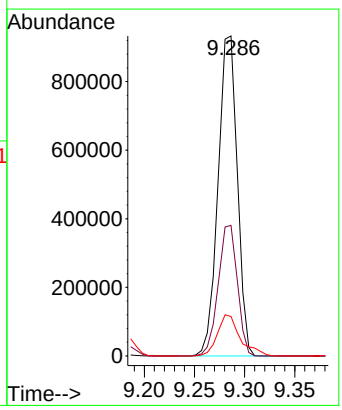


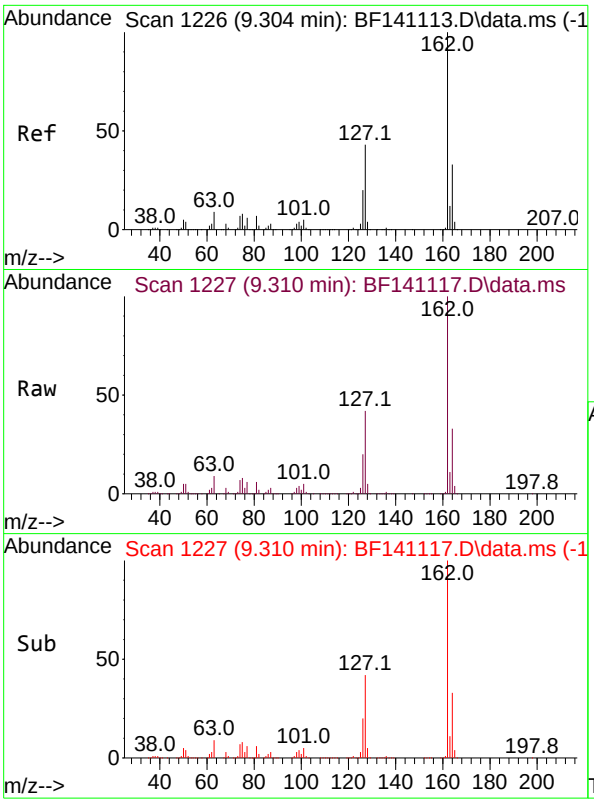




#46
1,1'-Biphenyl
Concen: 48.003 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:154 Resp: 1243305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.8 | 20.7 | 60.7 |
| 76 | 12.4 | 0.0 | 33.1 |



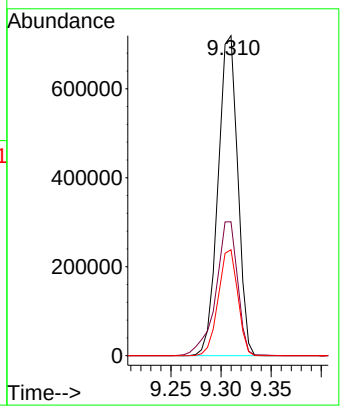


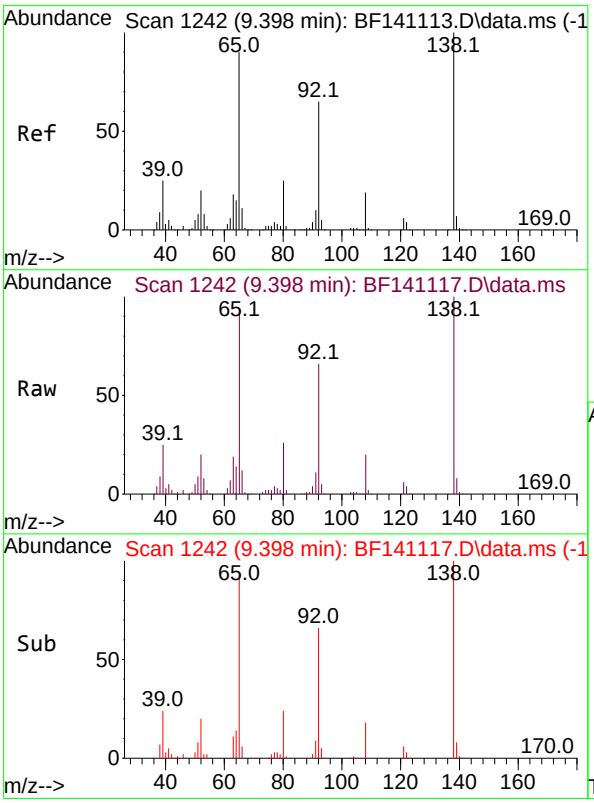

#47
2-Chloronaphthalene
Concen: 48.530 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:162 Resp: 979002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.9 | 34.6 | 51.8 |
| 164 | 33.1 | 26.5 | 39.7 |

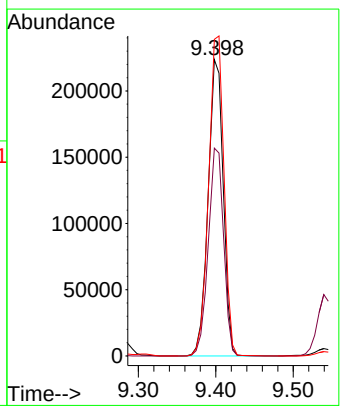


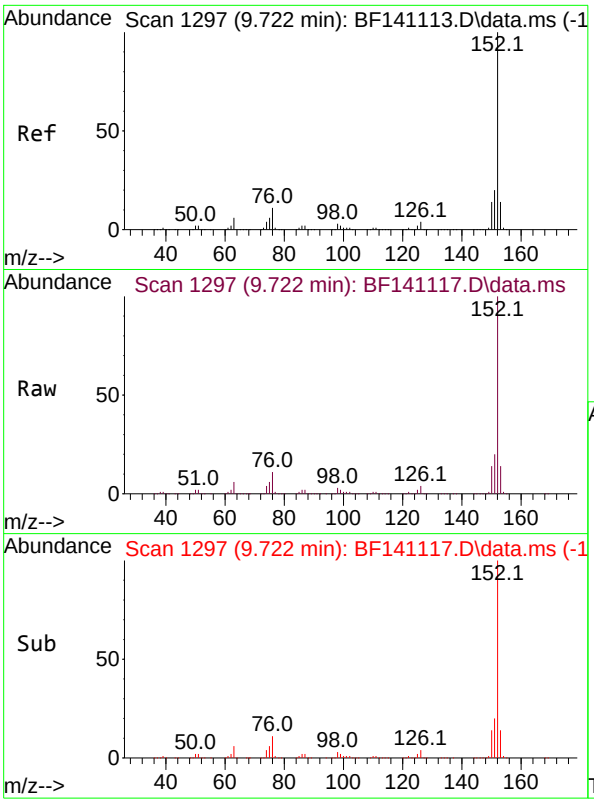




#48
2-Nitroaniline
Concen: 50.844 ng
RT: 9.398 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 65 Resp: 304048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.1 | 58.3 | 87.5 |
| 138 | 106.9 | 89.1 | 133.7 |



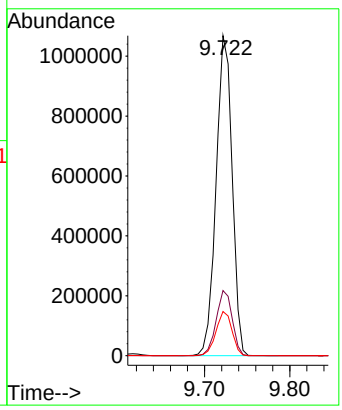


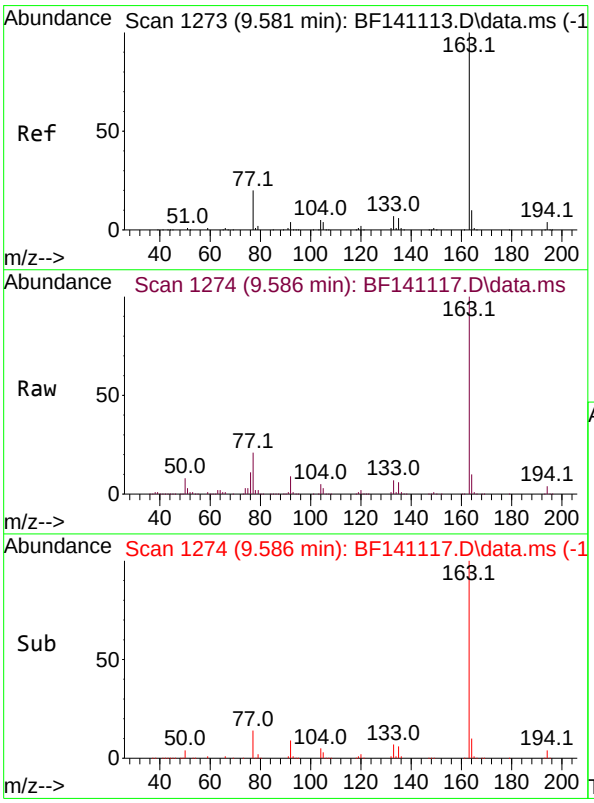

#49
Acenaphthylene
Concen: 48.539 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:152 Resp: 1398990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.1 | 24.1 |
| 153 | 13.8 | 11.1 | 16.7 |

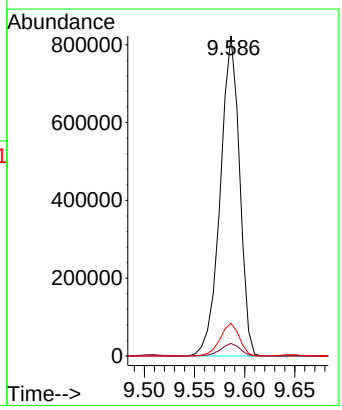


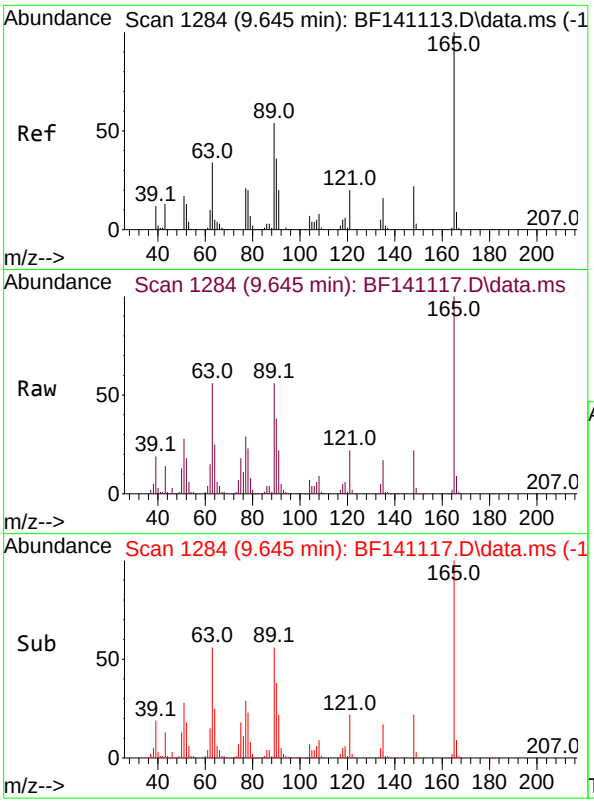




#50
Dimethylphthalate
Concen: 49.076 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:163 Resp: 1098805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.0 | 4.6 |
| 164 | 10.2 | 8.2 | 12.4 |



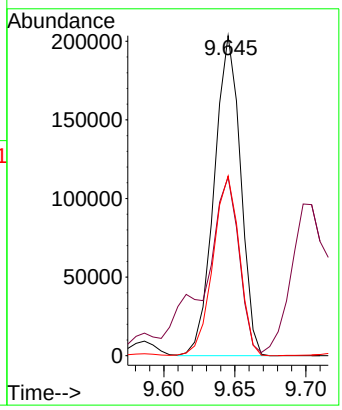


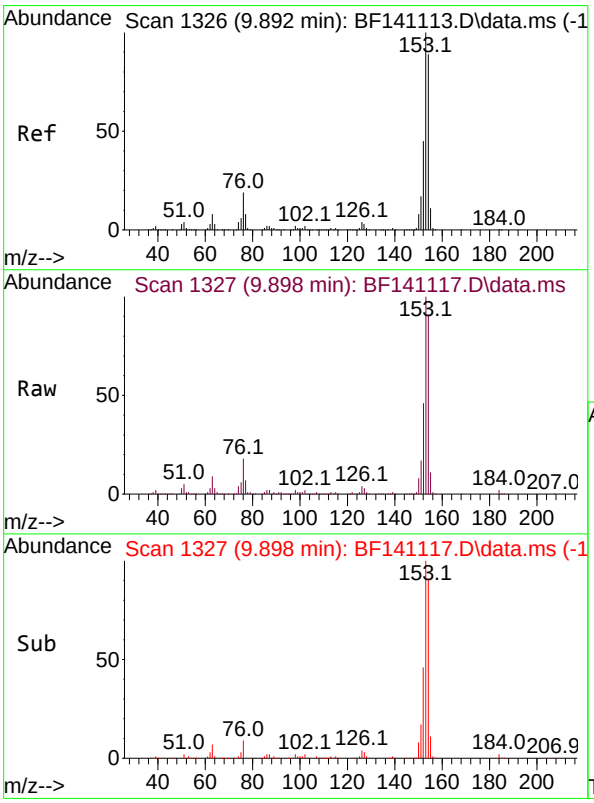

#51
2,6-Dinitrotoluene
Concen: 50.434 ng
RT: 9.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:165 Resp: 262596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 55.8 | 42.3 | 63.5 |
| 89 | 56.1 | 43.1 | 64.7 |

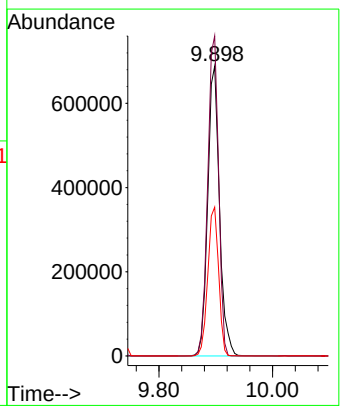


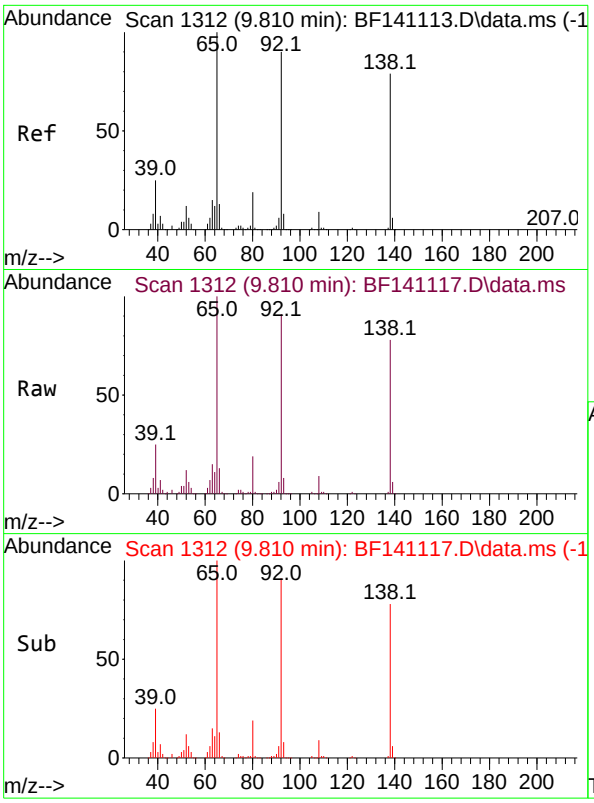




#52
Acenaphthene
Concen: 49.066 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:154 Resp: 988008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.4 | 89.8 | 134.6 |
| 152 | 51.3 | 40.8 | 61.2 |



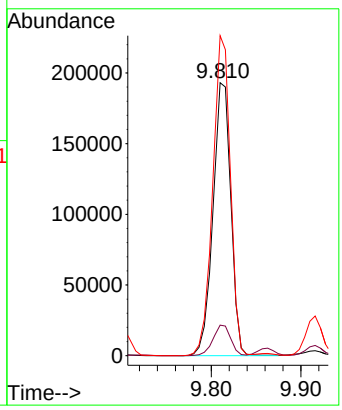


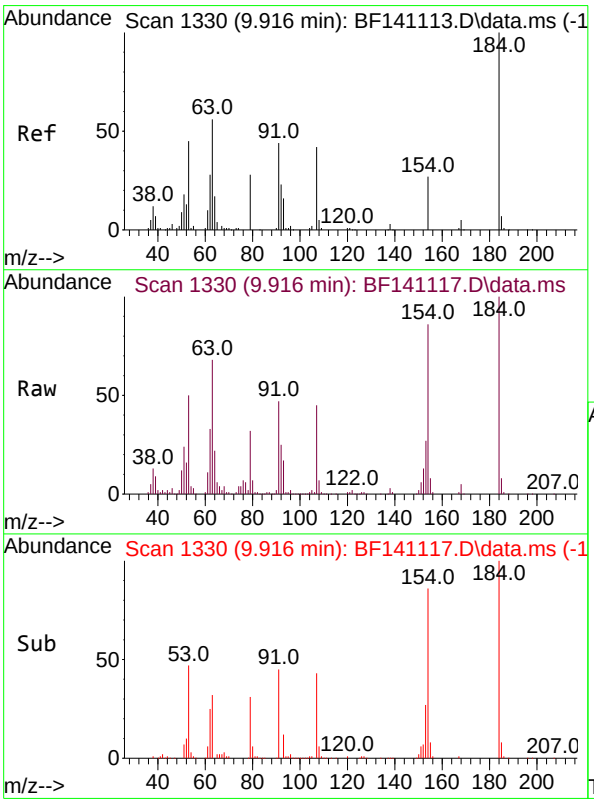

#53
3-Nitroaniline
Concen: 50.440 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:138 Resp: 266881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.2 | 8.8 | 13.2 |
| 92 | 117.2 | 91.3 | 136.9 |

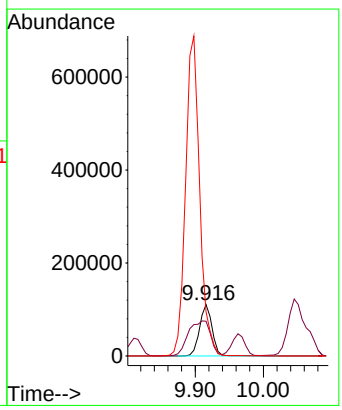


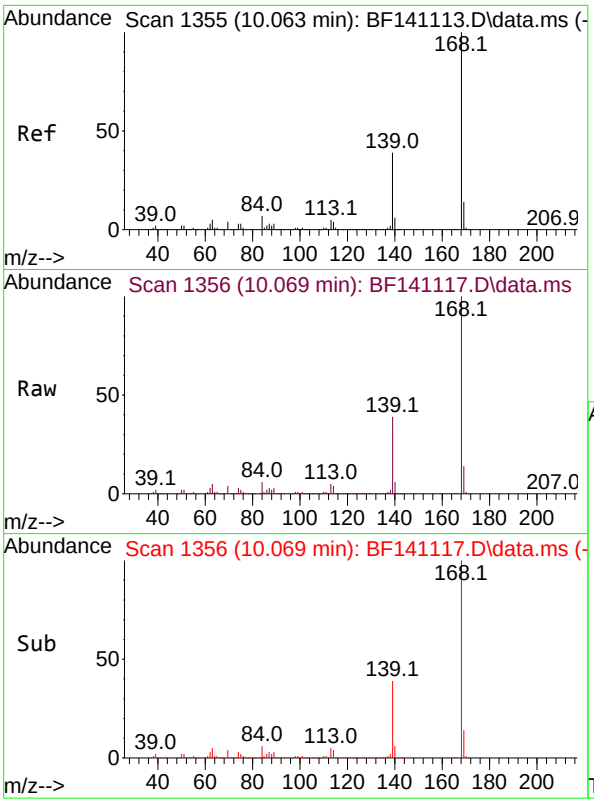




#54
2,4-Dinitrophenol
Concen: 56.530 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:184 Resp: 139903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 67.8 | 48.7 | 73.1 |
| 154 | 86.2 | 57.1 | 85.7# |



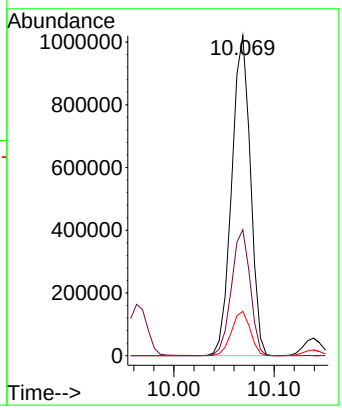


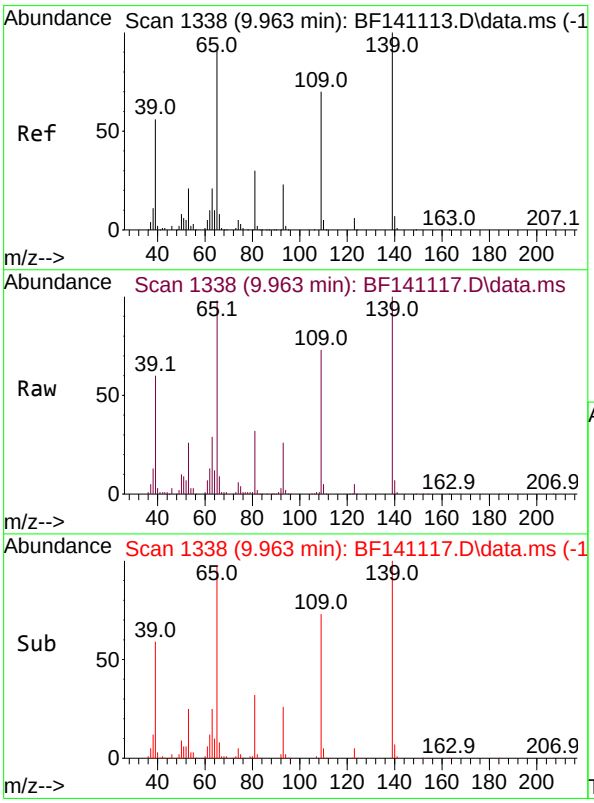

#55
Dibenzofuran
Concen: 48.261 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:168 Resp: 1321844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.3 | 31.4 | 47.0 |
| 169 | 13.9 | 10.9 | 16.3 |

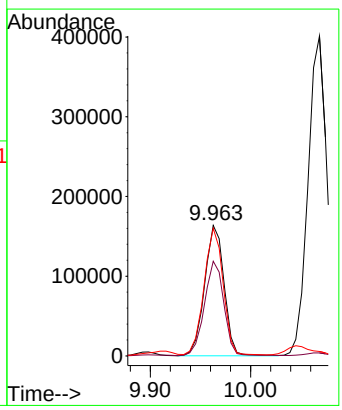


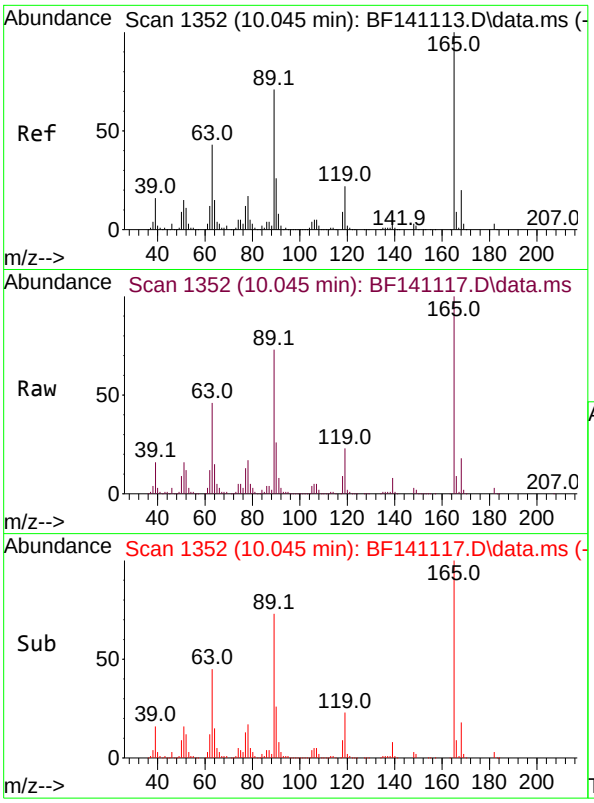




#56
4-Nitrophenol
Concen: 53.183 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:139 Resp: 220382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 72.5 | 50.2 | 90.2 |
| 65 | 97.7 | 72.1 | 112.1 |



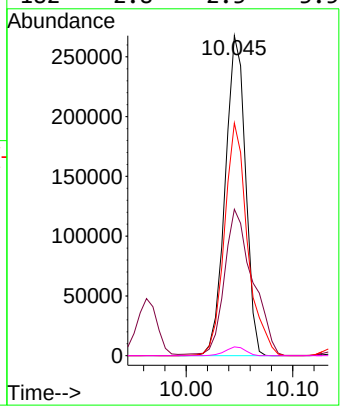


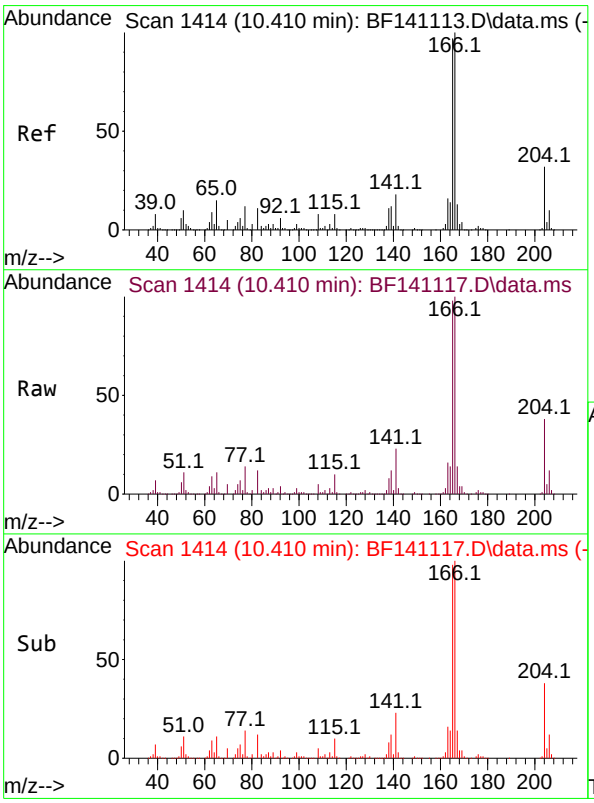

#57
2,4-Dinitrotoluene
Concen: 52.728 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:165 Resp: 353808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 45.8 | 35.0 | 52.4 |
| 89 | 72.7 | 56.7 | 85.1 |
| 182 | 2.8 | 2.3 | 3.5 |

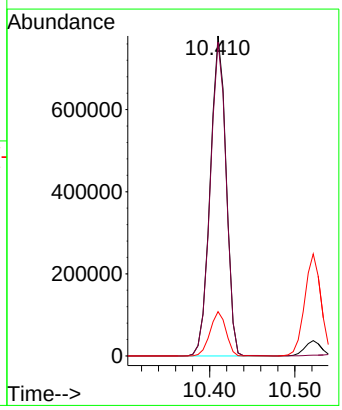


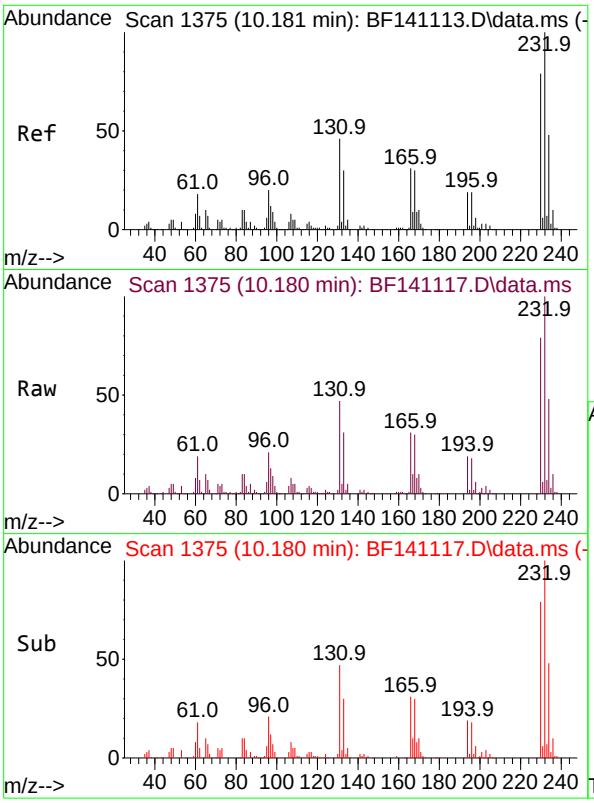




#58
Fluorene
Concen: 47.543 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:166 Resp: 1011650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.1 | 77.8 | 116.8 |
| 167 | 13.8 | 10.8 | 16.2 |



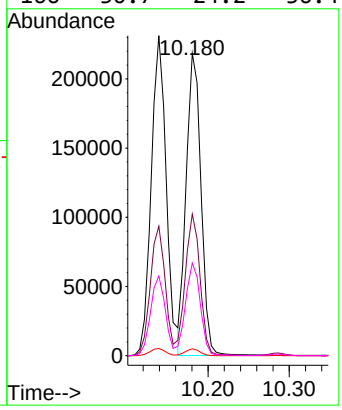


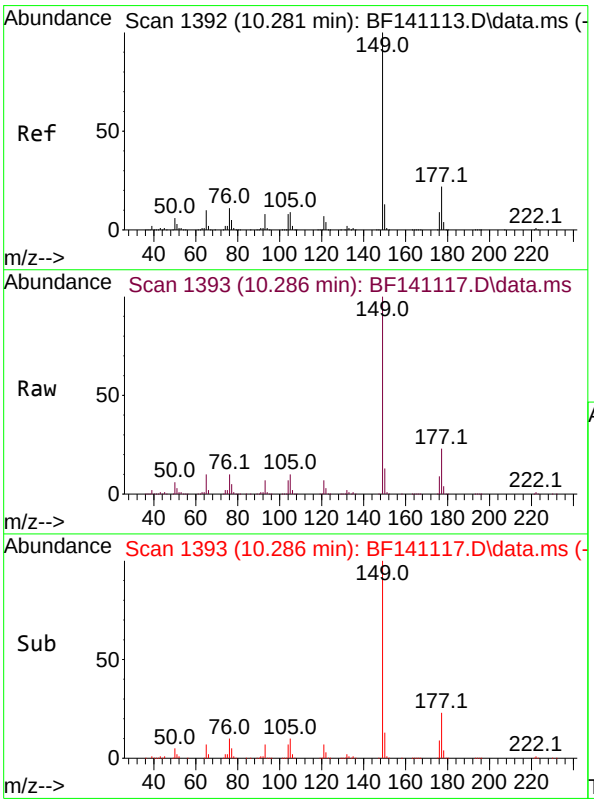

#59
2,3,4,6-Tetrachlorophenol
Concen: 49.019 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:232 Resp: 277818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.8 | 36.2 | 54.4 |
| 130 | 2.3 | 2.0 | 3.0 |
| 166 | 30.7 | 24.2 | 36.4 |

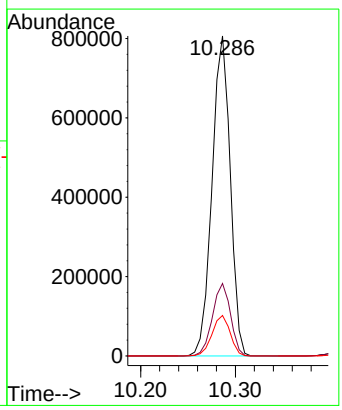


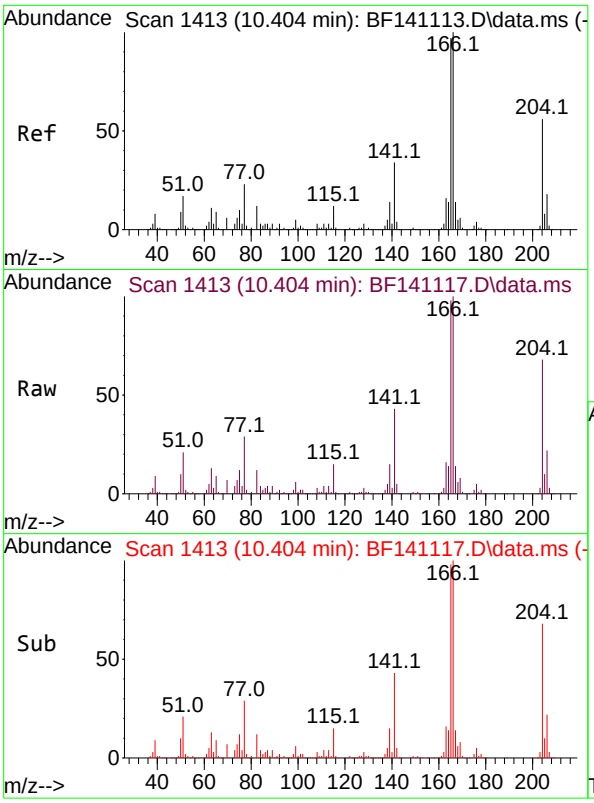




#60
Diethylphthalate
Concen: 49.171 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:149 Resp: 1074789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.7 | 17.9 | 26.9 |
| 150 | 12.6 | 10.2 | 15.2 |



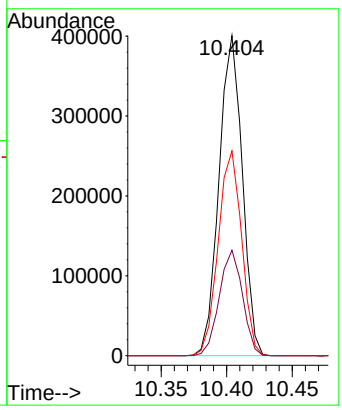


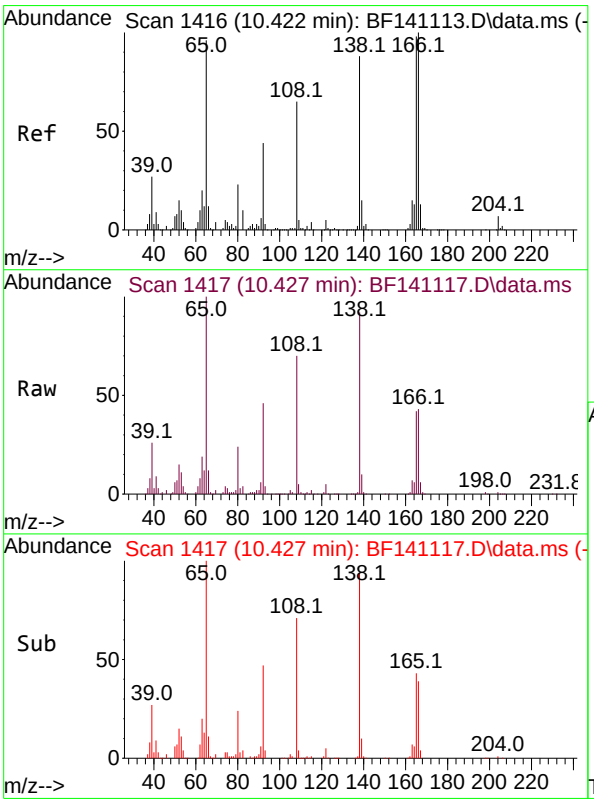

#61
4-Chlorophenyl-phenylether
Concen: 47.665 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:204 Resp: 494329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 25.9 | 38.9 |
| 141 | 64.0 | 49.1 | 73.7 |

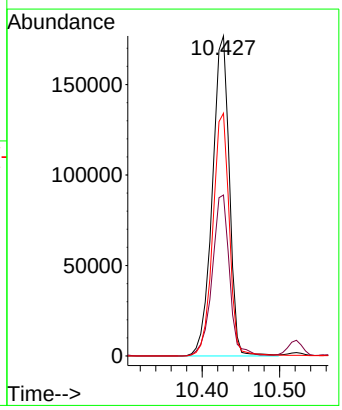


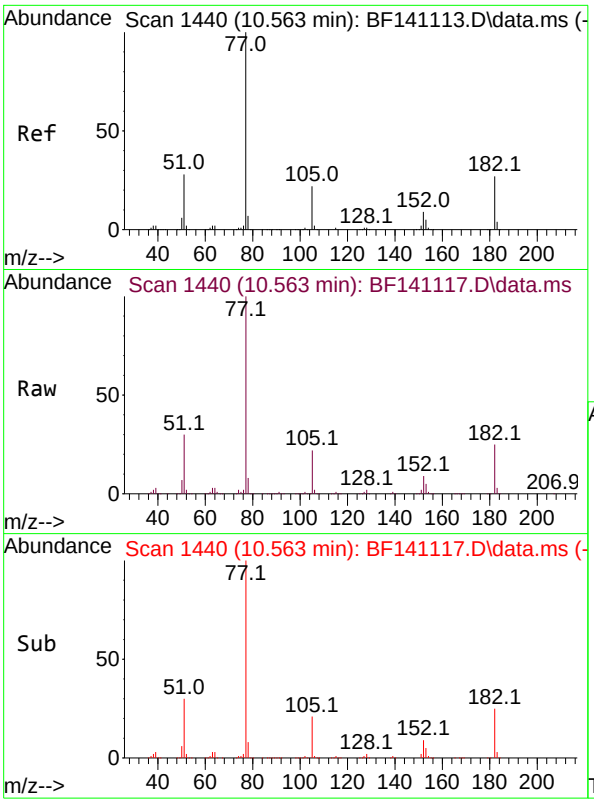




#62
4-Nitroaniline
Concen: 52.024 ng
RT: 10.427 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:138 Resp: 269415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.3 | 29.4 | 69.4 |
| 108 | 75.9 | 53.7 | 93.7 |



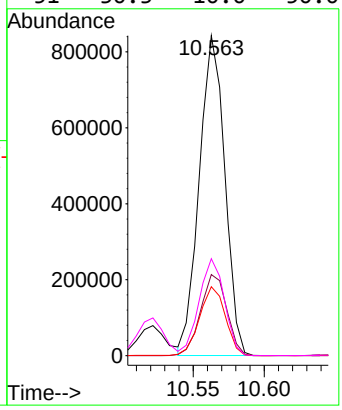


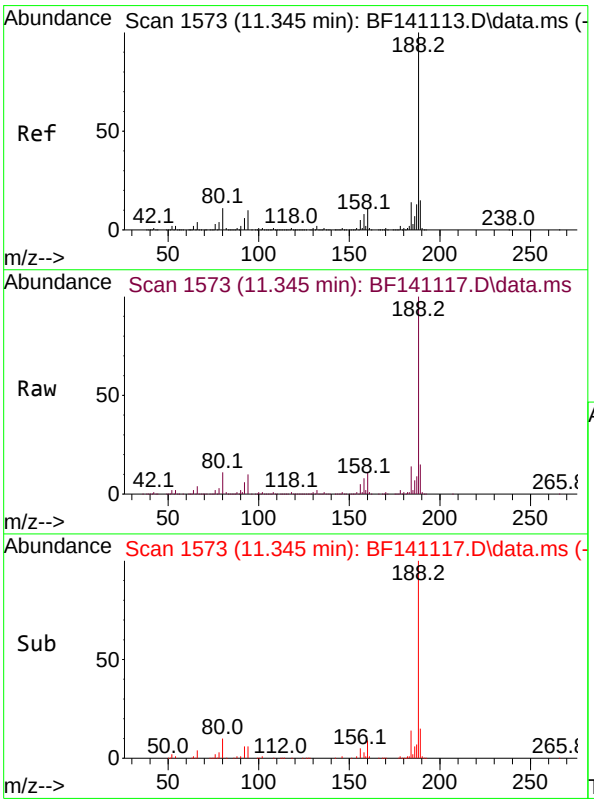

#63
Azobenzene
Concen: 48.881 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 77 Resp: 1054277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.4 | 6.1 | 46.1 |
| 105 | 21.6 | 2.1 | 42.1 |
| 51 | 30.3 | 10.0 | 50.0 |

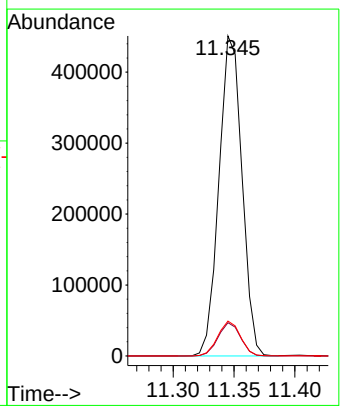


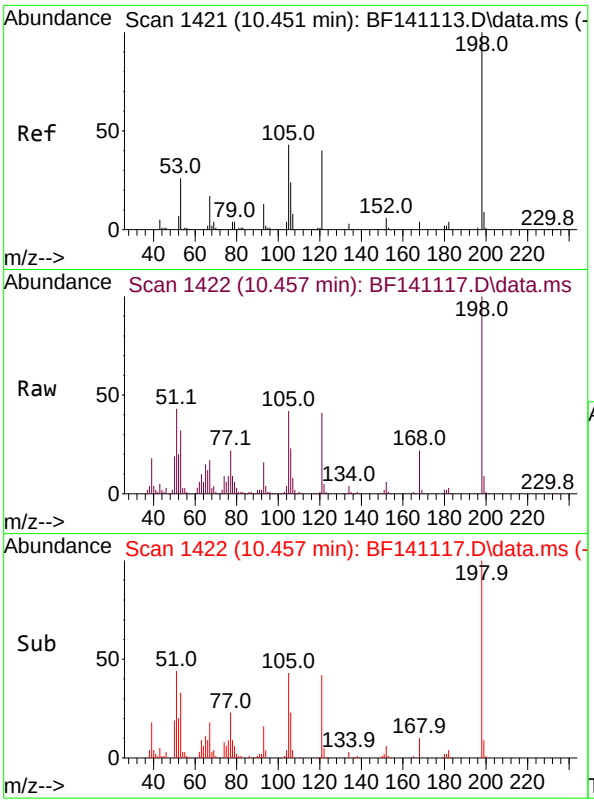




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:188 Resp: 593257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.4 | 8.3 | 12.5 |
| 80 | 10.9 | 9.0 | 13.4 |



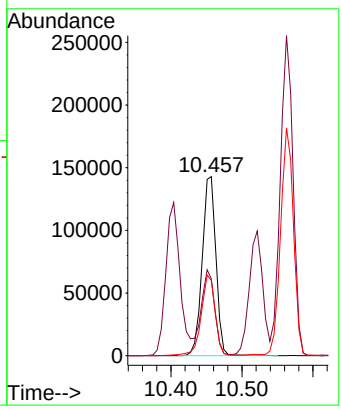


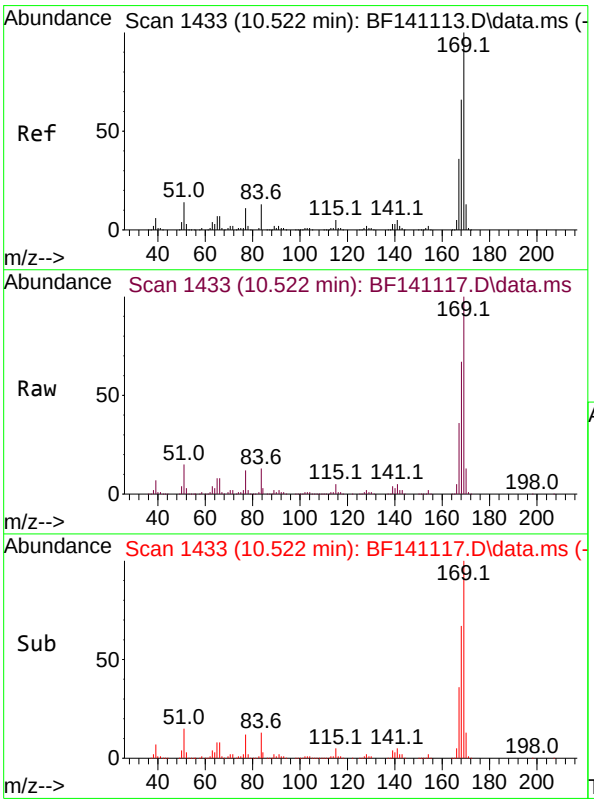

#65
4,6-Dinitro-2-methylphenol
Concen: 55.890 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:198 Resp: 192136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 42.9 | 27.1 | 67.1 |
| 105 | 42.1 | 24.2 | 64.2 |

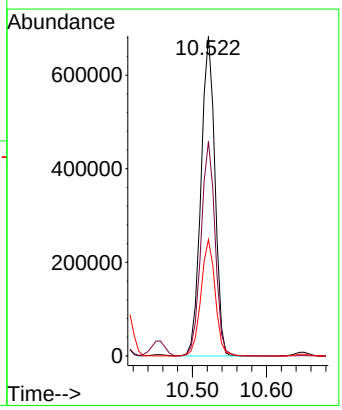


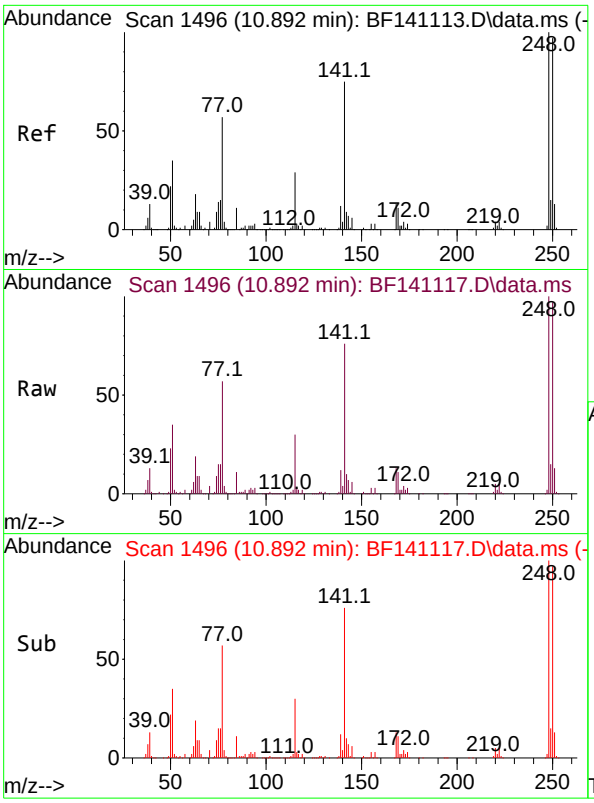




#66
n-Nitrosodiphenylamine
Concen: 46.748 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:169 Resp: 894530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.0 | 52.5 | 78.7 |
| 167 | 36.4 | 28.9 | 43.3 |



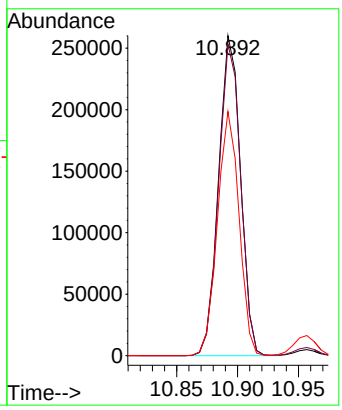


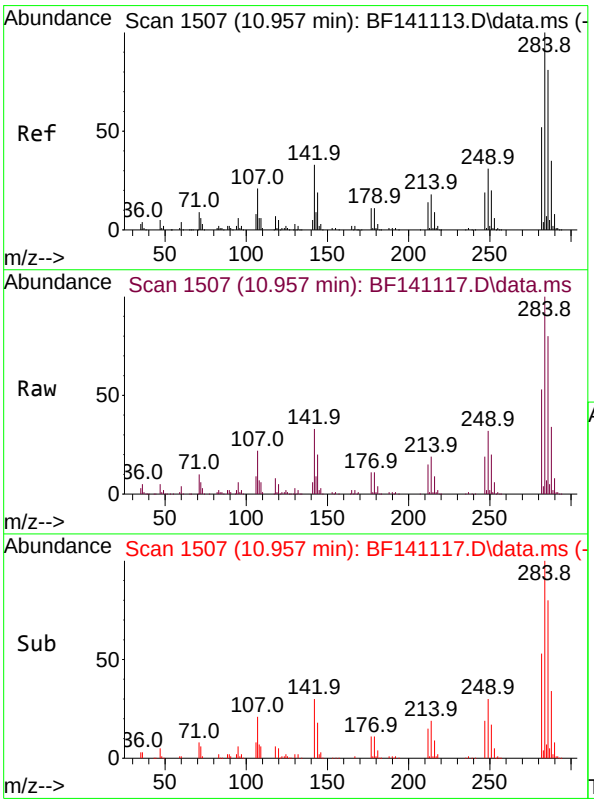

#67
4-Bromophenyl-phenylether
Concen: 47.810 ng
RT: 10.892 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:248 Resp: 326554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.3 | 77.9 | 116.9 |
| 141 | 76.3 | 59.9 | 89.9 |

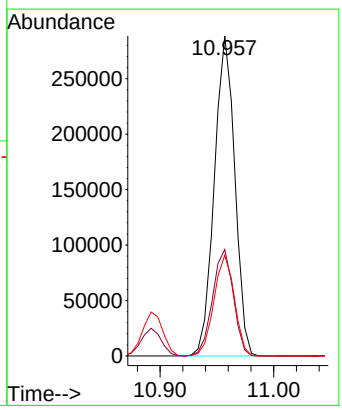


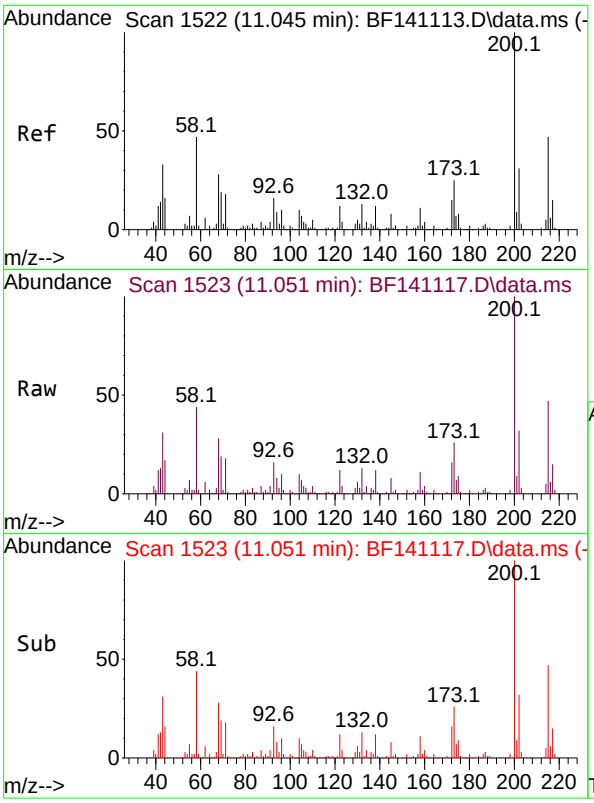




#68
Hexachlorobenzene
Concen: 47.551 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:284 Resp: 361542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.2 | 26.3 | 39.5 |
| 249 | 31.5 | 24.9 | 37.3 |



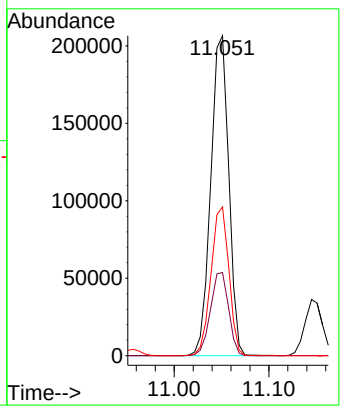


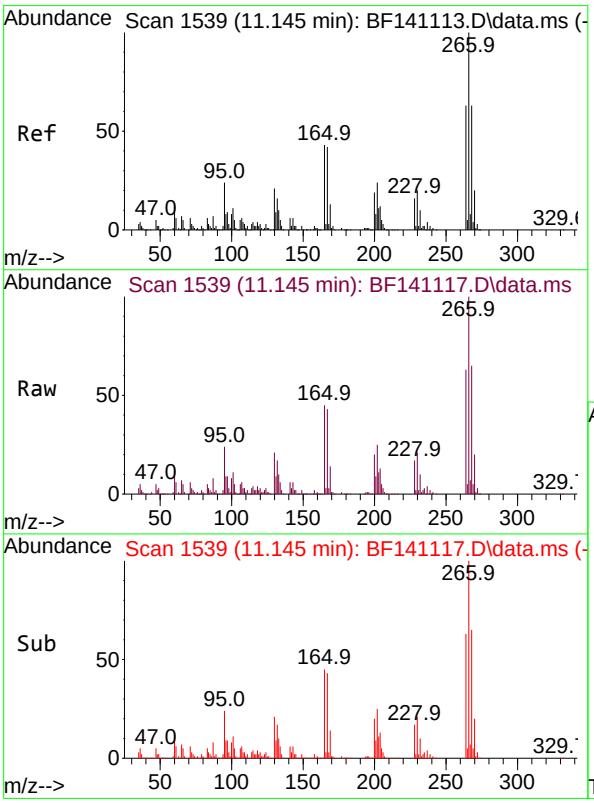

#69
Atrazine
Concen: 52.837 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:200 Resp: 272232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.0 | 5.4 | 45.4 |
| 215 | 46.5 | 26.6 | 66.6 |

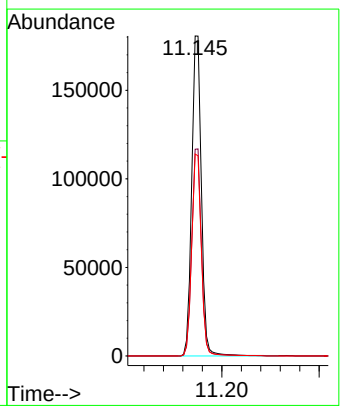


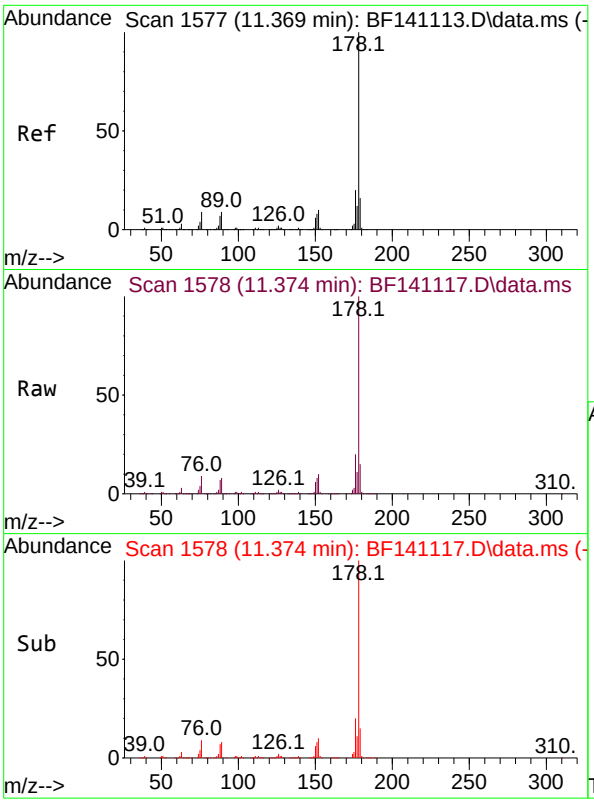




#70
Pentachlorophenol
Concen: 51.422 ng
RT: 11.145 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:266 Resp: 250381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.6 | 50.4 | 75.6 |
| 264 | 63.1 | 50.2 | 75.2 |



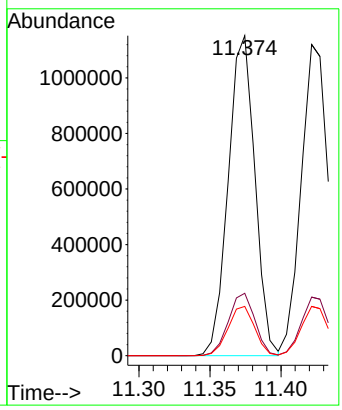


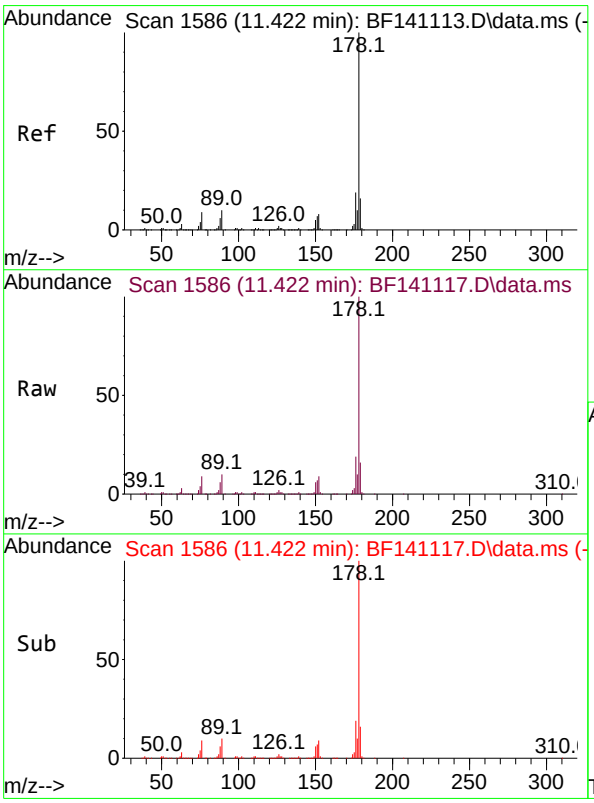

#71
Phenanthrene
Concen: 47.203 ng
RT: 11.374 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:178 Resp: 1503408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.7 | 23.5 |
| 179 | 15.4 | 12.6 | 19.0 |

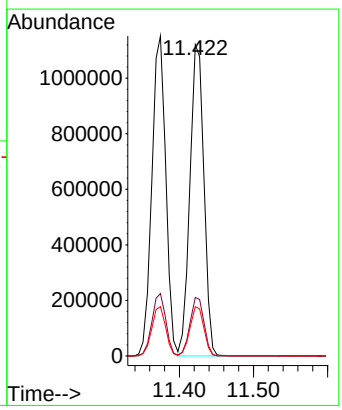


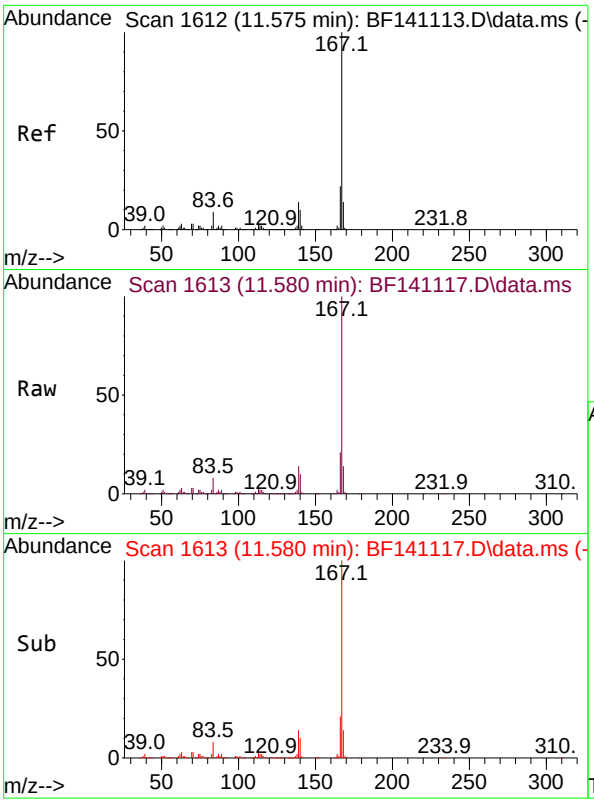




#72
Anthracene
Concen: 47.589 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:178 Resp: 1473797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 14.9 | 22.3 |
| 179 | 15.9 | 12.6 | 19.0 |



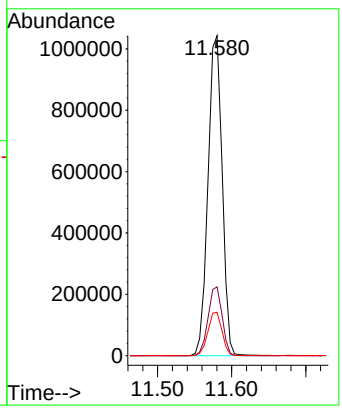


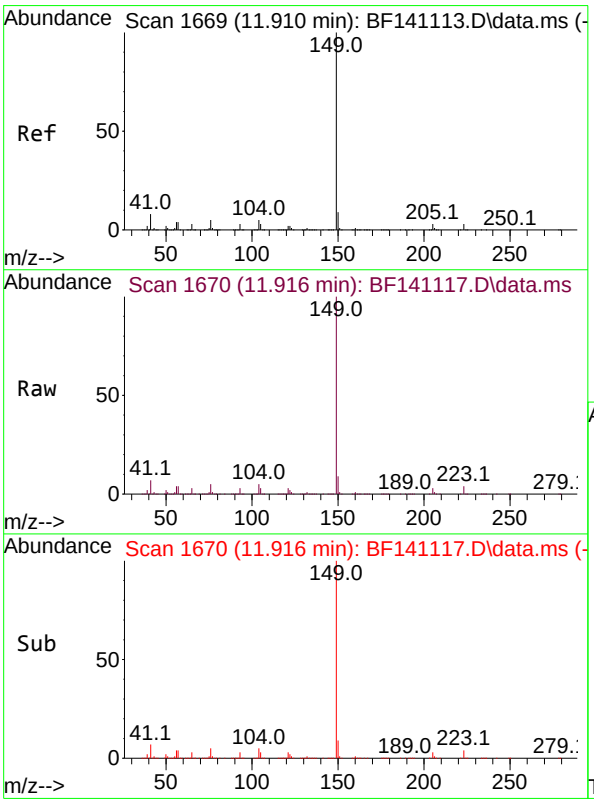

#73
Carbazole
Concen: 48.815 ng
RT: 11.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:167 Resp: 1386206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 17.4 | 26.2 |
| 139 | 13.6 | 10.9 | 16.3 |

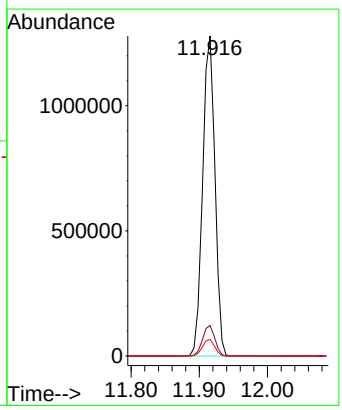


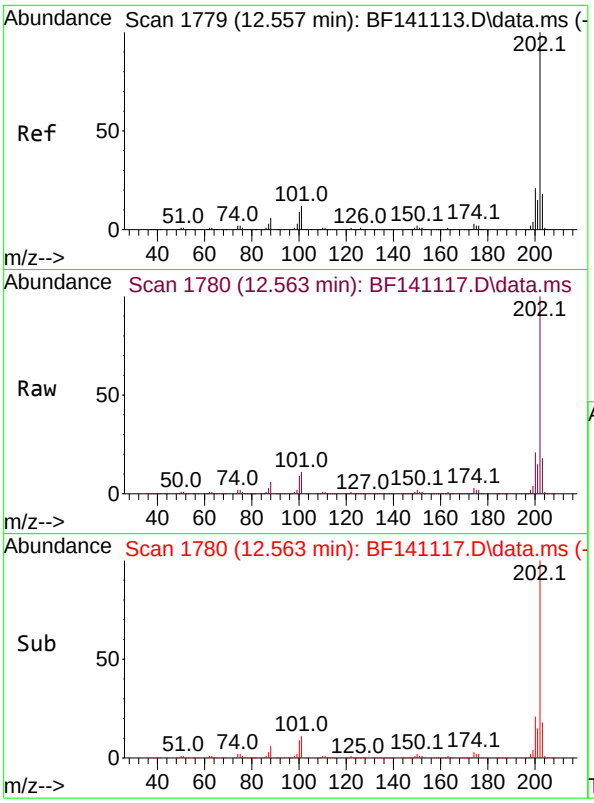




#74
Di-n-butylphthalate
Concen: 49.255 ng
RT: 11.916 min Scan# 1670
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:149 Resp: 1600680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.5 | 7.4 | 11.2 |
| 104 | 5.2 | 4.2 | 6.2 |



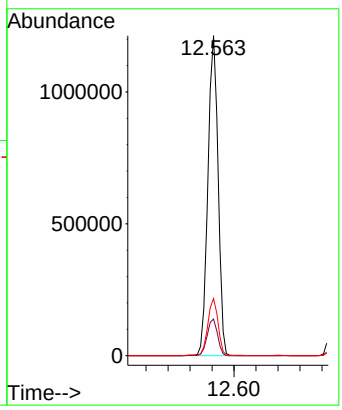


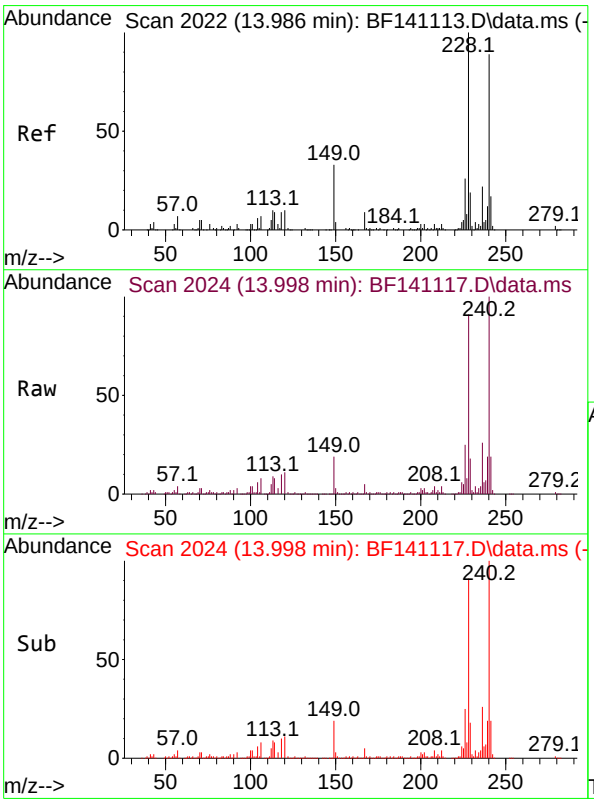

#75
Fluoranthene
Concen: 49.037 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:202 Resp: 1558556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.5 | 0.0 | 32.3 |
| 203 | 17.9 | 0.0 | 37.7 |

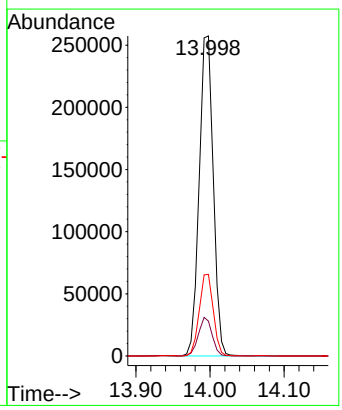


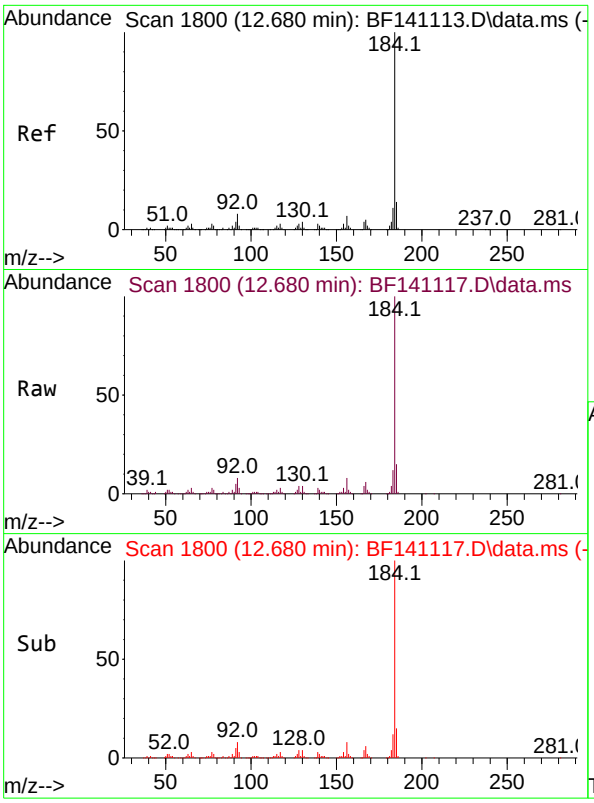




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.012 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:240 Resp: 341879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.9 | 9.1 | 13.7 |
| 236 | 25.5 | 19.8 | 29.6 |



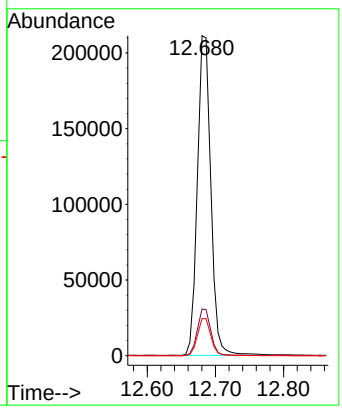


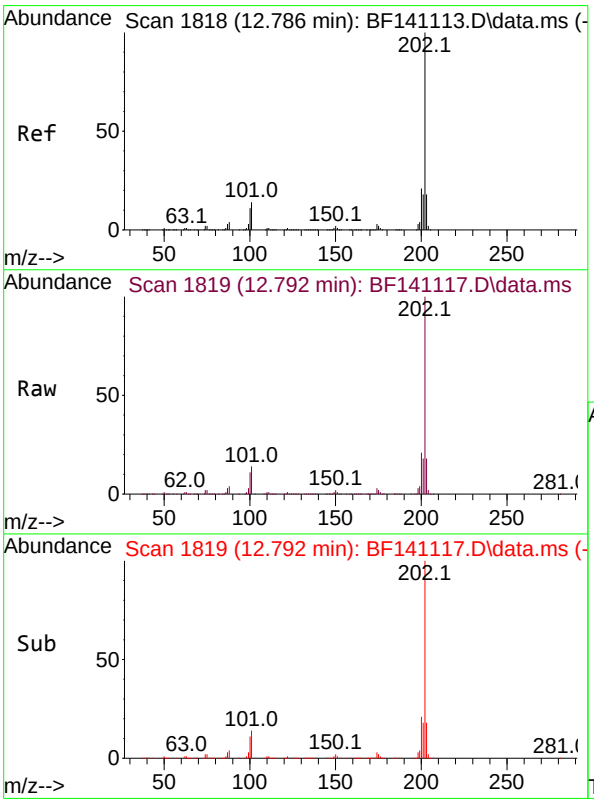

#77
Benzidine
Concen: 45.814 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:184 Resp: 290459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.6 | 11.4 | 17.0 |
| 183 | 11.6 | 9.2 | 13.8 |

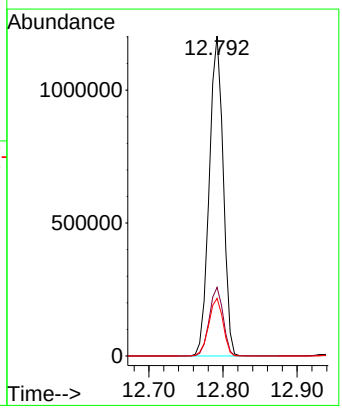


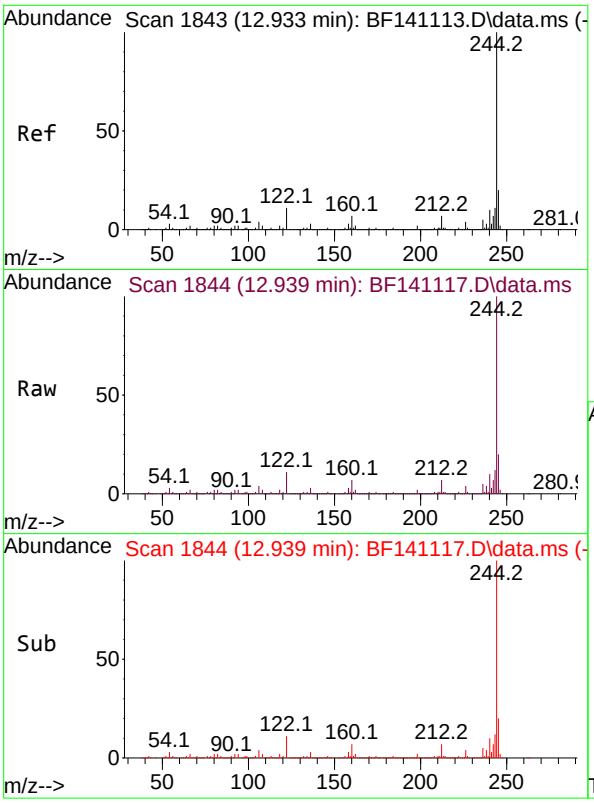




#78
Pyrene
Concen: 48.129 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:202 Resp: 1571607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.4 | 16.8 | 25.2 |
| 203 | 18.0 | 14.3 | 21.5 |



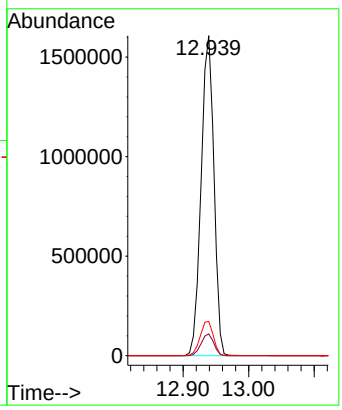


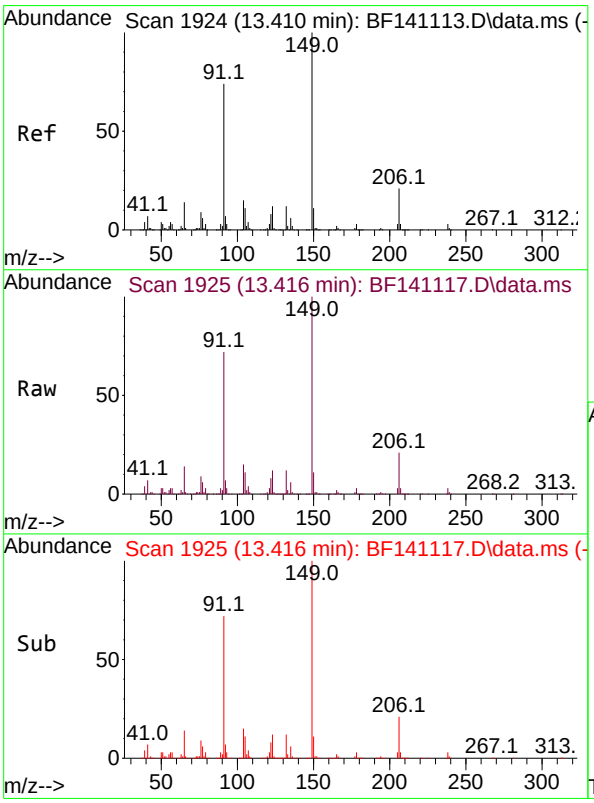

#79
Terphenyl-d14
Concen: 95.134 ng
RT: 12.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:244 Resp: 2188278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.4 | 8.2 |
| 122 | 10.7 | 8.8 | 13.2 |

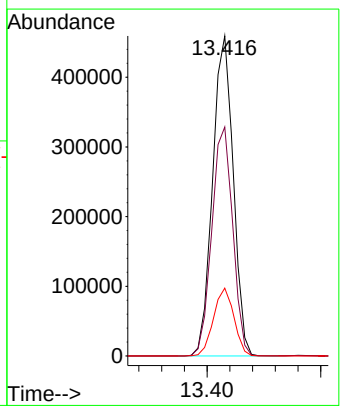


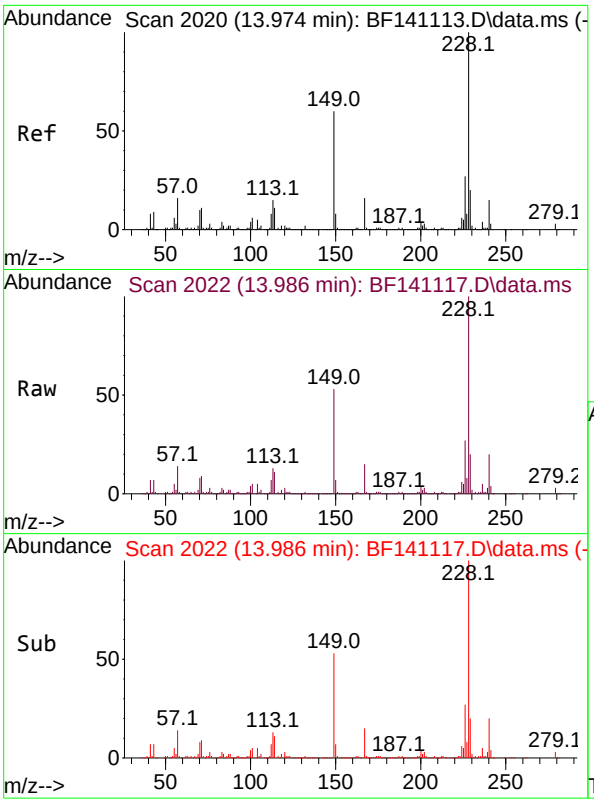




#80
Butylbenzylphthalate
Concen: 53.179 ng
RT: 13.416 min Scan# 1925
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:149 Resp: 578964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 71.5 | 59.0 | 88.6 |
| 206 | 21.2 | 16.5 | 24.7 |



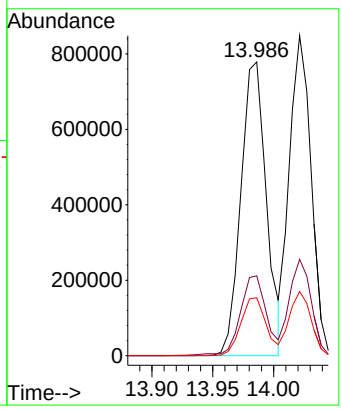


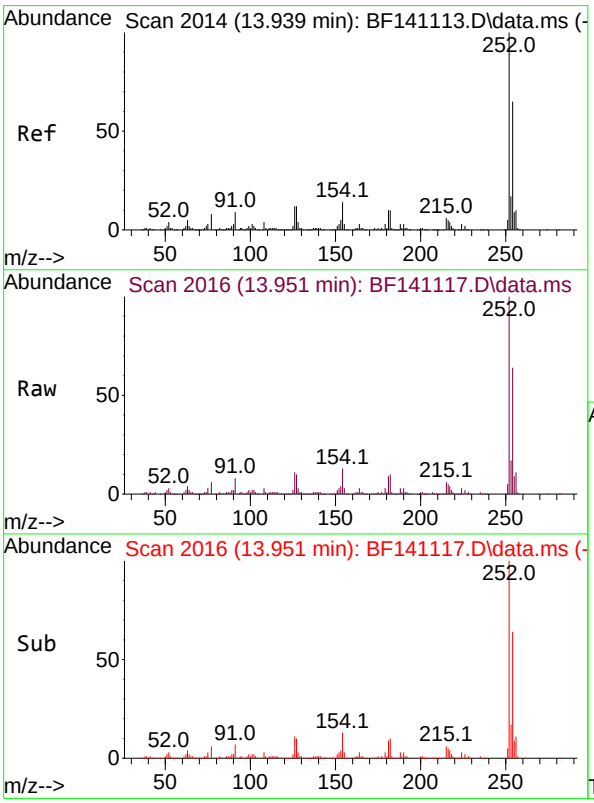

#81
Benzo(a)anthracene
Concen: 48.830 ng
RT: 13.986 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:228 Resp: 1136119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.2 | 21.7 | 32.5 |
| 229 | 19.7 | 15.7 | 23.5 |

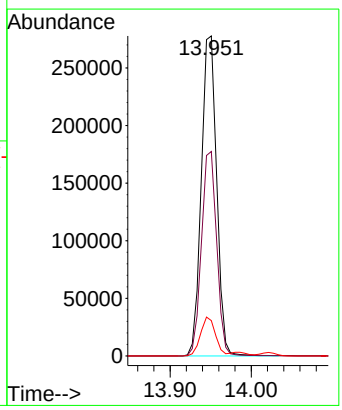


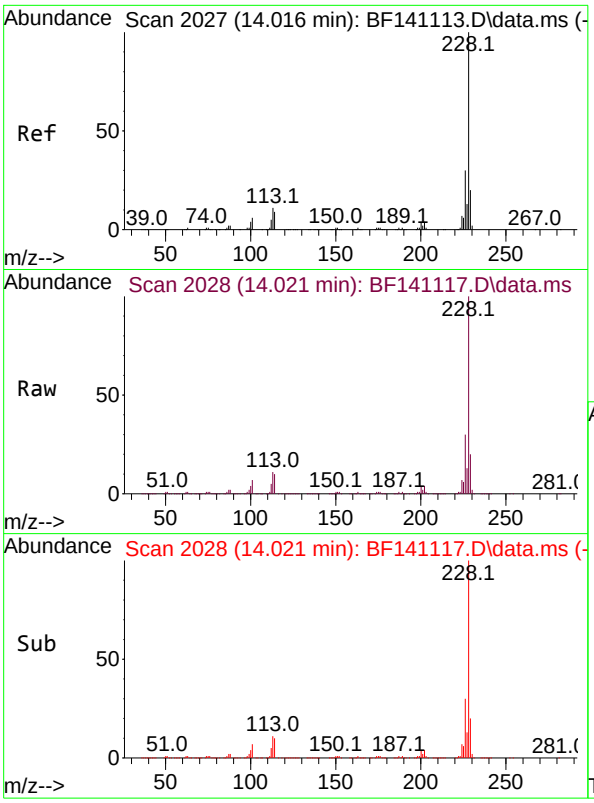




#82
3,3'-Dichlorobenzidine
Concen: 49.156 ng
RT: 13.951 min Scan# 2016
Delta R.T. 0.012 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:252 Resp: 364178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.9 | 52.0 | 78.0 |
| 126 | 11.0 | 9.4 | 14.0 |



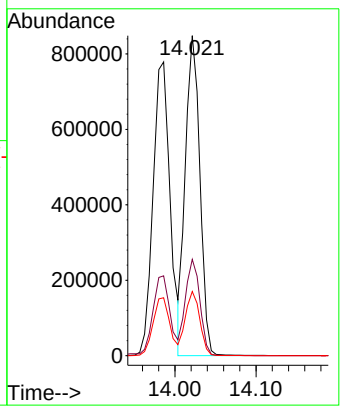


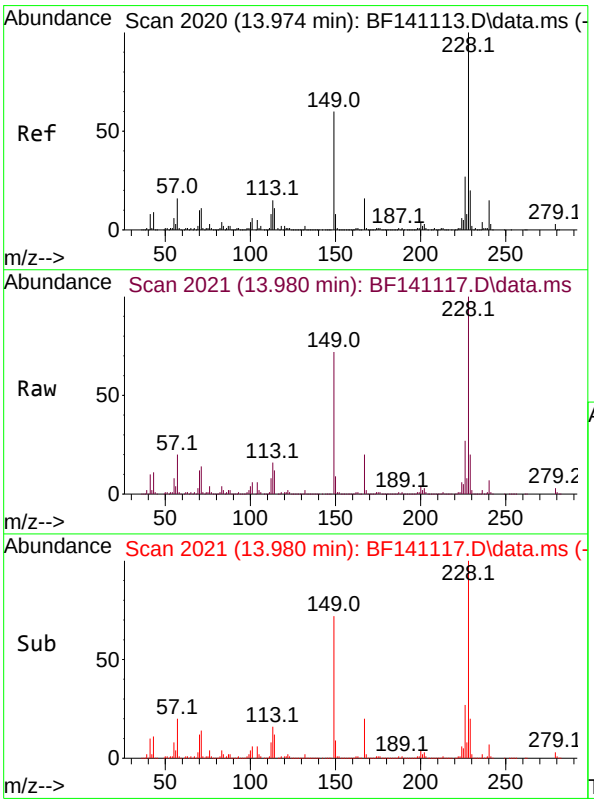

#83
Chrysene
Concen: 48.577 ng
RT: 14.021 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:228 Resp: 1057551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 23.8 | 35.8 |
| 229 | 20.1 | 15.8 | 23.8 |

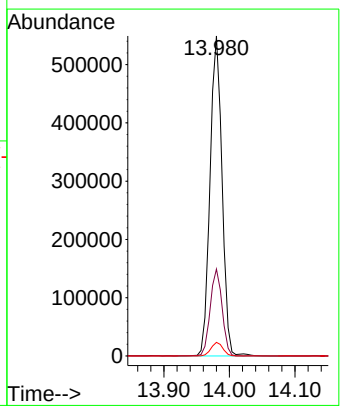


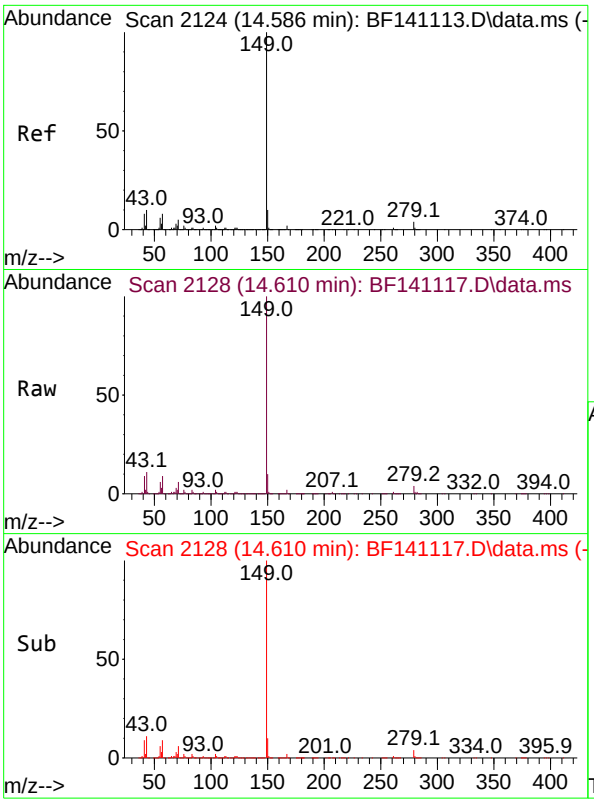




#84
Bis(2-ethylhexyl)phthalate
Concen: 53.591 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:149 Resp: 700052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.2 | 21.4 | 32.2 |
| 279 | 4.2 | 3.4 | 5.2 |



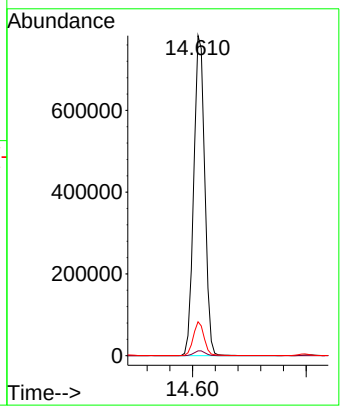


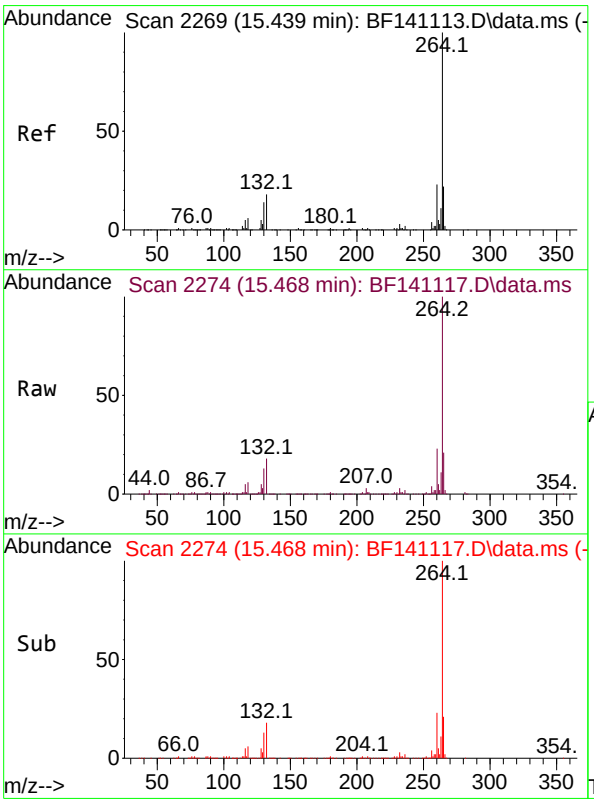

#85
Di-n-octyl phthalate
Concen: 53.503 ng
RT: 14.610 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:149 Resp: 1055383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 10.4 | 8.4 | 12.6 |

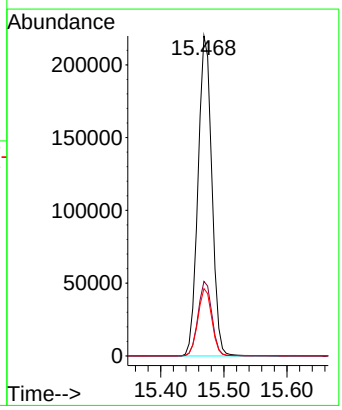


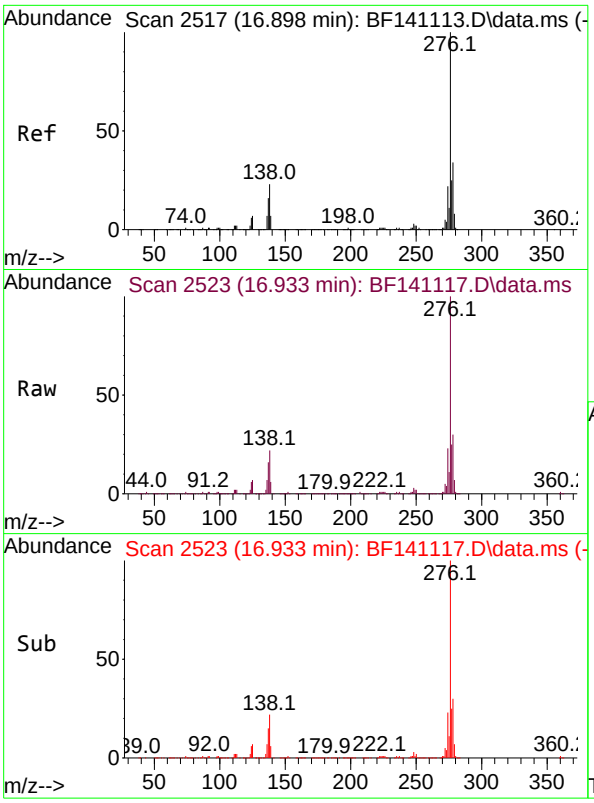




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.029 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:264 Resp: 333662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.6 | 28.0 |
| 265 | 21.0 | 17.4 | 26.0 |



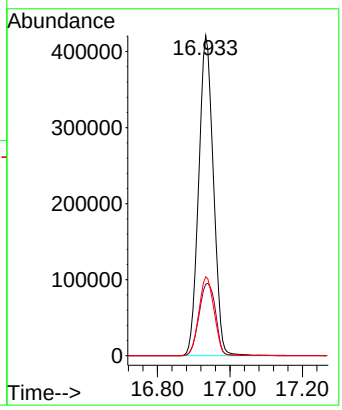


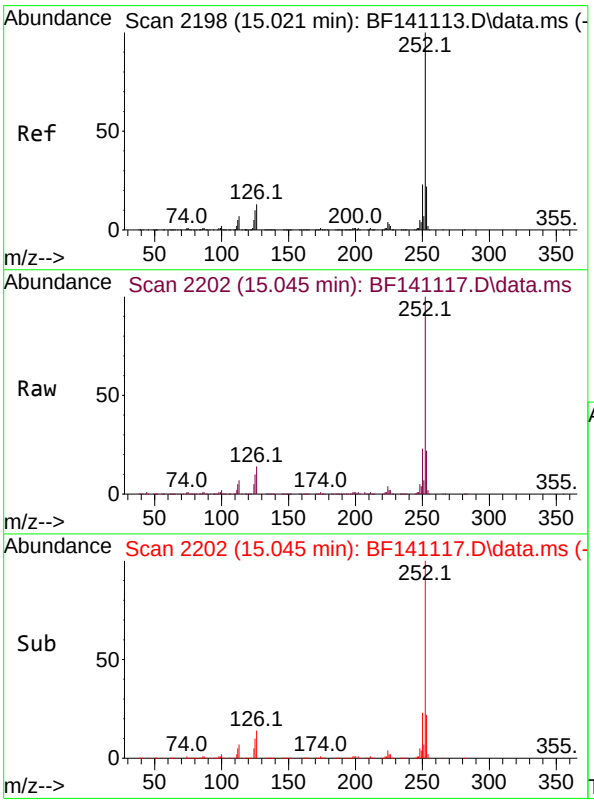

#87
Indeno(1,2,3-cd)pyrene
Concen: 48.477 ng
RT: 16.933 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:276 Resp: 1185030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.5 | 20.7 | 31.1 |
| 277 | 25.6 | 20.6 | 30.8 |

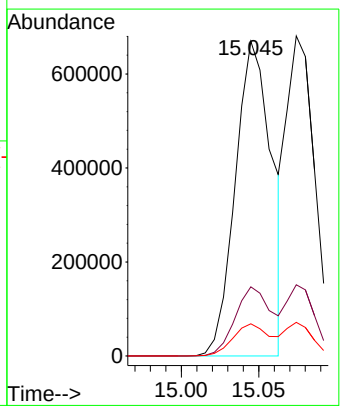


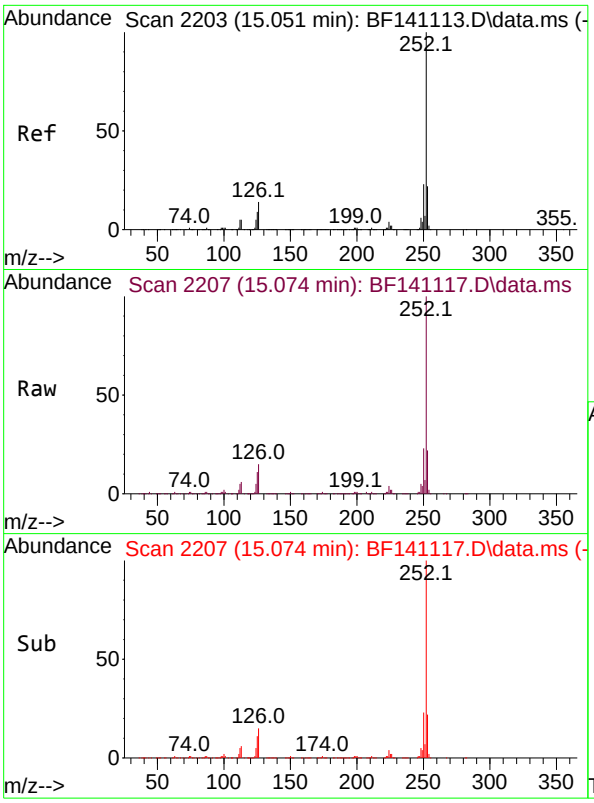




#88
Benzo(b)fluoranthene
Concen: 50.984 ng
RT: 15.045 min Scan# 2202
Delta R.T. 0.023 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:252 Resp: 1096957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.8 | 26.6 |
| 125 | 10.2 | 8.1 | 12.1 |



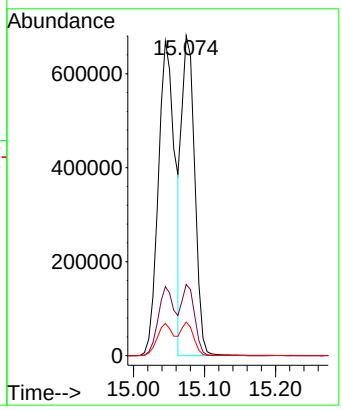


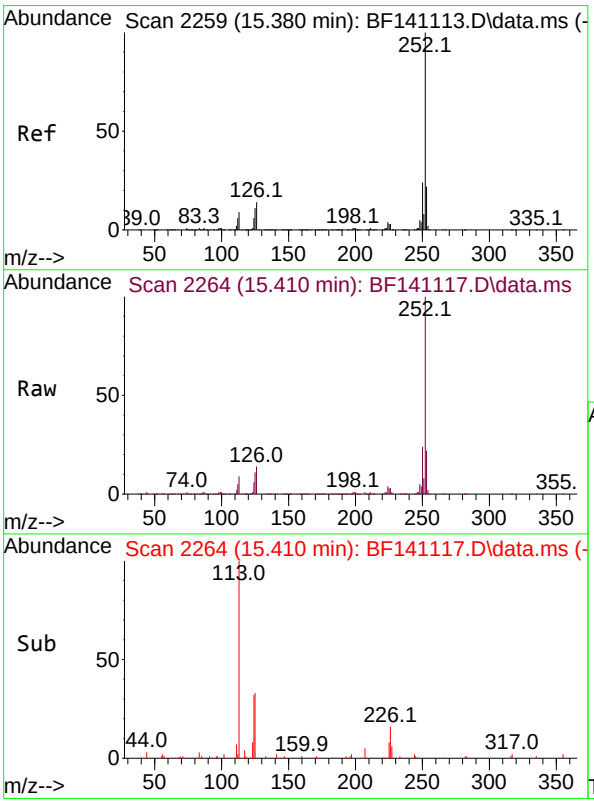

#89
Benzo(k)fluoranthene
Concen: 47.598 ng
RT: 15.074 min Scan# 2
Delta R.T. 0.023 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:252 Resp: 865456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.8 | 26.8 |
| 125 | 10.5 | 7.9 | 11.9 |

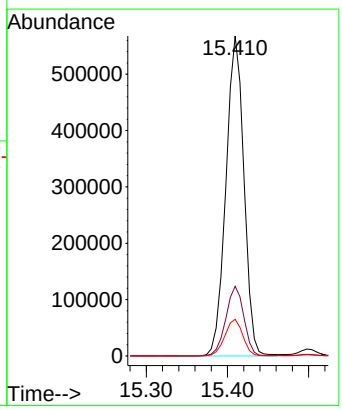


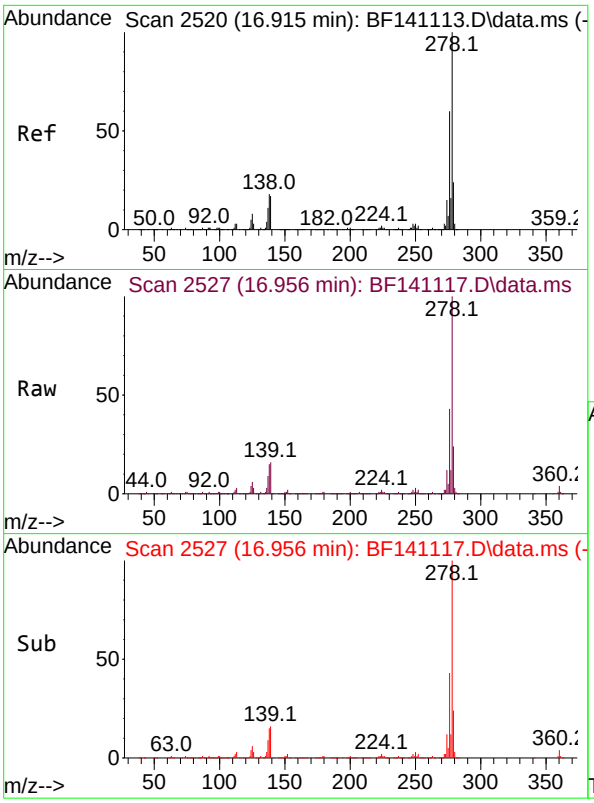




#90
Benzo(a)pyrene
Concen: 49.243 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.029 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:252 Resp: 874134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.7 | 26.5 |
| 125 | 11.4 | 9.1 | 13.7 |



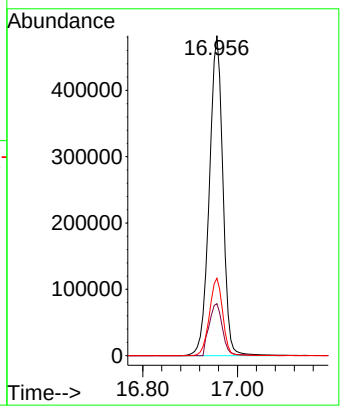


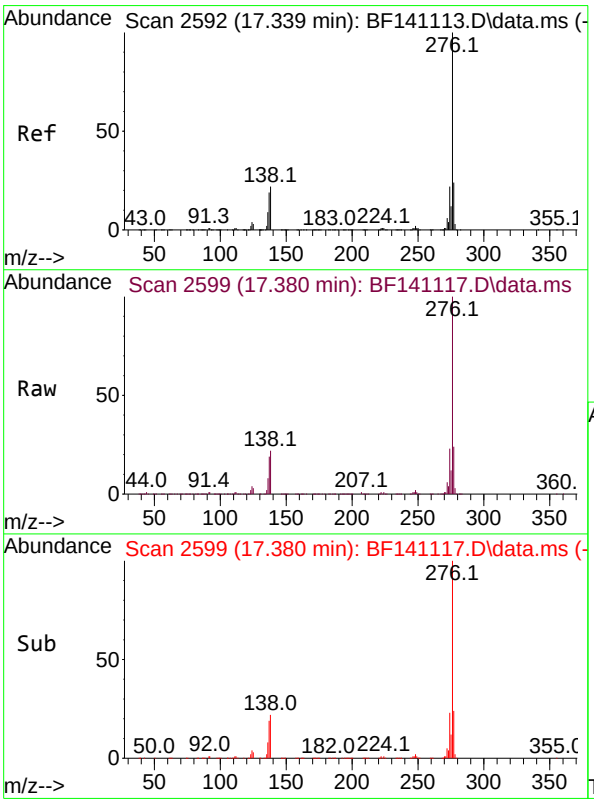

#91
Dibenzo(a,h)anthracene
Concen: 48.535 ng
RT: 16.956 min Scan# 2
Delta R.T. 0.041 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:278 Resp: 959595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.2 | 13.8 | 20.6 |
| 279 | 24.2 | 19.1 | 28.7 |

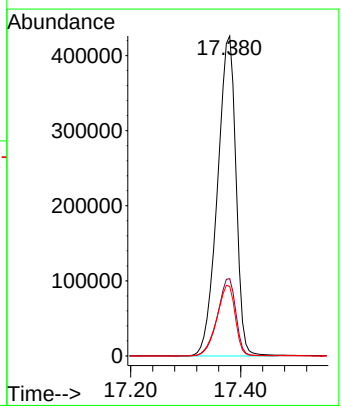



#92
Benzo(g,h,i)perylene
Concen: 48.464 ng
RT: 17.380 min Scan# 2599
Delta R.T. 0.041 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:276 Resp: 996659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.1 | 19.0 | 28.4 |
| 138 | 21.7 | 17.4 | 26.2 |



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141118.D
Acq On : 10 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Quant Time: Jan 10 22:23:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 157706 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 600362 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.863 | 164 | 321522 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 544574 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.986 | 240 | 270448 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.457 | 264 | 319464 | 20.000 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.428 | 112 | 1161166 | 113.741 | ng | | 0.00 |
| 7) Phenol-d6 | 6.451 | 99 | 1464294 | 113.234 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.387 | 82 | 1340654 | 118.372 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.651 | 330 | 435599 | 118.901 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.181 | 172 | 2268382 | 107.735 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 2193567 | 120.552 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.534 | 88 | 266794 | 58.686 | ng | | 100 |
| 3) Pyridine | 3.275 | 79 | 636756 | 57.117 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.234 | 42 | 325634 | 59.738 | ng | | 99 |
| 6) Aniline | 6.487 | 93 | 643255 | 56.026 | ng | | 99 |
| 8) 2-Chlorophenol | 6.604 | 128 | 624776 | 57.043 | ng | | 99 |
| 9) Benzaldehyde | 6.369 | 77 | 364797 | 50.499 | ng | | 99 |
| 10) Phenol | 6.463 | 94 | 788986 | 56.996 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.563 | 93 | 598240 | 57.990 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.763 | 146 | 693741 | 56.791 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.840 | 146 | 700356 | 56.894 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.993 | 146 | 644752 | 56.150 | ng | | 99 |
| 15) Benzyl Alcohol | 6.963 | 79 | 541420 | 57.975 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098 | 45 | 818728 | 56.872 | ng | | 99 |
| 17) 2-Methylphenol | 7.069 | 107 | 509763 | 57.648 | ng | | 99 |
| 18) Hexachloroethane | 7.334 | 117 | 260241 | 58.460 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.240 | 70 | 426961 | 56.050 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.228 | 107 | 624218 | 55.954 | ng | # | 87 |
| 22) Acetophenone | 7.234 | 105 | 809173 | 56.696 | ng | # | 97 |
| 24) Nitrobenzene | 7.404 | 77 | 699248 | 59.239 | ng | | 99 |
| 25) Isophorone | 7.645 | 82 | 1131315 | 58.450 | ng | | 99 |
| 26) 2-Nitrophenol | 7.722 | 139 | 336551 | 62.679 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.751 | 122 | 429261 | 59.269 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.857 | 93 | 708043 | 58.290 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.957 | 162 | 510890 | 59.394 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 568765 | 57.848 | ng | | 100 |
| 31) Naphthalene | 8.128 | 128 | 1795916 | 56.724 | ng | | 100 |
| 32) Benzoic acid | 7.875 | 122 | 465348 | 66.980 | ng | | 97 |
| 33) 4-Chloroaniline | 8.175 | 127 | 639712 | 58.424 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 344699 | 58.183 | ng | | 100 |
| 35) Caprolactam | 8.551 | 113 | 168796 | 59.824 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.651 | 107 | 552248 | 58.704 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 1147172 | 56.860 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 1129604 | 56.812 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.981 | 216 | 534399 | 57.909 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 184204 | 61.011 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 364034 | 58.489 | ng | | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141118.D
Acq On : 10 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Quant Time: Jan 10 22:23:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

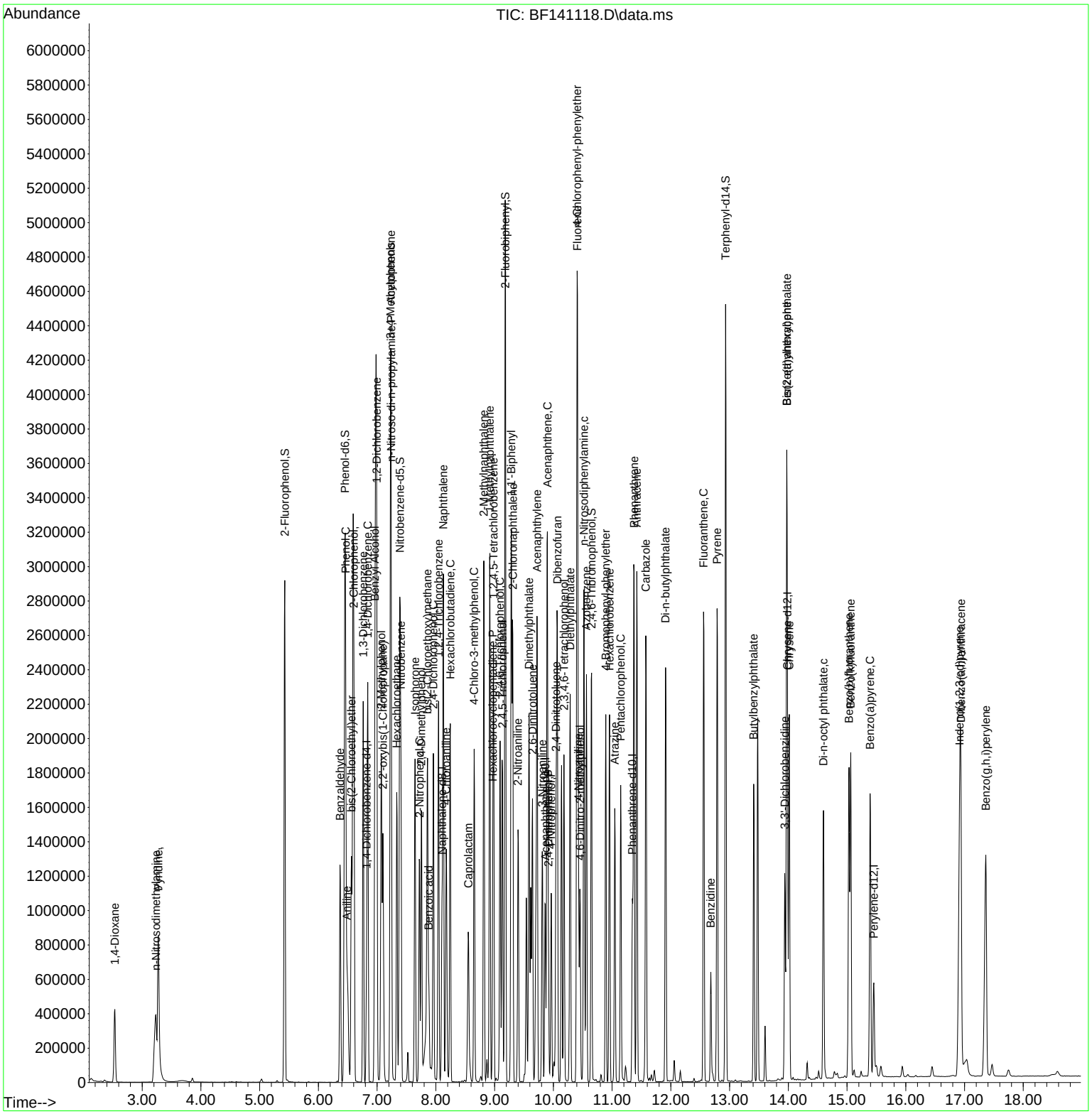
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.134 | 196 | 392463 | 59.706 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.281 | 154 | 1400460 | 56.087 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.310 | 162 | 1104069 | 56.770 | ng | 99 |
| 48) 2-Nitroaniline | 9.398 | 65 | 351824 | 61.027 | ng | 96 |
| 49) Acenaphthylene | 9.722 | 152 | 1595599 | 57.426 | ng | 100 |
| 50) Dimethylphthalate | 9.587 | 163 | 1246443 | 57.746 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.645 | 165 | 300526 | 59.872 | ng | 98 |
| 52) Acenaphthene | 9.898 | 154 | 1118880 | 57.638 | ng | 99 |
| 53) 3-Nitroaniline | 9.810 | 138 | 301277 | 59.064 | ng | 99 |
| 54) 2,4-Dinitrophenol | 9.916 | 184 | 160627 | 67.324 | ng | 90 |
| 55) Dibenzofuran | 10.069 | 168 | 1491333 | 56.480 | ng | 100 |
| 56) 4-Nitrophenol | 9.963 | 139 | 248603 | 62.231 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 10.045 | 165 | 396697 | 61.325 | ng | 98 |
| 58) Fluorene | 10.410 | 166 | 1140533 | 55.599 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.181 | 232 | 324822 | 59.450 | ng | 99 |
| 60) Diethylphthalate | 10.286 | 149 | 1212103 | 57.521 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204 | 563117 | 56.322 | ng | 99 |
| 62) 4-Nitroaniline | 10.428 | 138 | 303457 | 60.783 | ng | 99 |
| 63) Azobenzene | 10.563 | 77 | 1189100 | 57.188 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198 | 216263 | 68.532 | ng | 97 |
| 66) n-Nitrosodiphenylamine | 10.522 | 169 | 1016238 | 57.856 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 373557 | 59.581 | ng | 100 |
| 68) Hexachlorobenzene | 10.957 | 284 | 412239 | 59.066 | ng | 99 |
| 69) Atrazine | 11.045 | 200 | 275405 | 58.231 | ng | 99 |
| 70) Pentachlorophenol | 11.145 | 266 | 280071 | 62.662 | ng | 100 |
| 71) Phenanthrene | 11.375 | 178 | 1652586 | 56.525 | ng | 100 |
| 72) Anthracene | 11.422 | 178 | 1628828 | 57.297 | ng | 100 |
| 73) Carbazole | 11.575 | 167 | 1471188 | 56.440 | ng | 100 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 1703503 | 57.105 | ng | 100 |
| 75) Fluoranthene | 12.557 | 202 | 1612262 | 55.261 | ng | 100 |
| 77) Benzidine | 12.680 | 184 | 339258 | 67.645 | ng | 100 |
| 78) Pyrene | 12.786 | 202 | 1586225 | 61.407 | ng | 99 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 542533 | 62.995 | ng | 100 |
| 81) Benzo(a)anthracene | 13.974 | 228 | 1109142 | 60.261 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.939 | 252 | 357792 | 61.050 | ng | 99 |
| 83) Chrysene | 14.016 | 228 | 1004586 | 58.332 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149 | 635471 | 61.496 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.598 | 149 | 1008931 | 64.657 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.915 | 276 | 1475298 | 63.034 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.033 | 252 | 1141152 | 55.395 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.063 | 252 | 1057429 | 60.741 | ng | 99 |
| 90) Benzo(a)pyrene | 15.392 | 252 | 1022132 | 60.139 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 16.939 | 278 | 1195359 | 63.146 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.363 | 276 | 1241806 | 63.068 | ng | 100 |

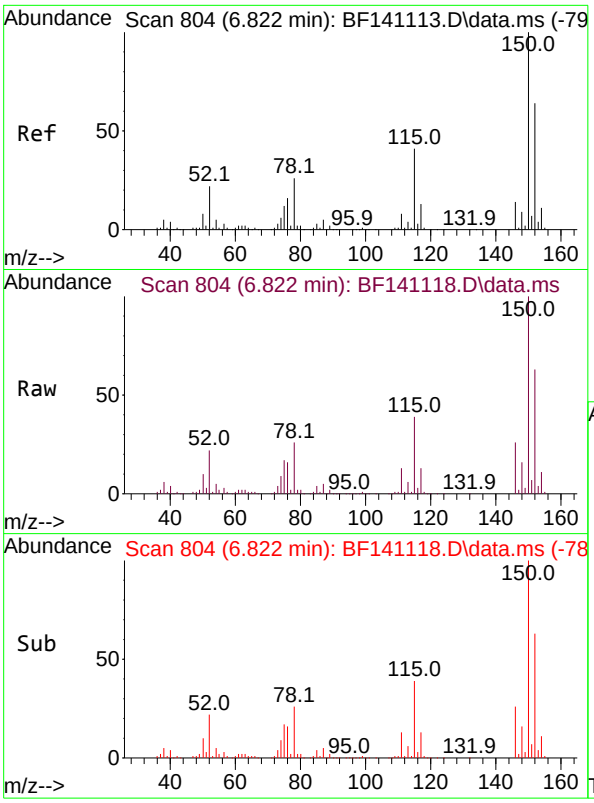
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF141118.D
Acq On : 10 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Quant Time: Jan 10 22:23:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration



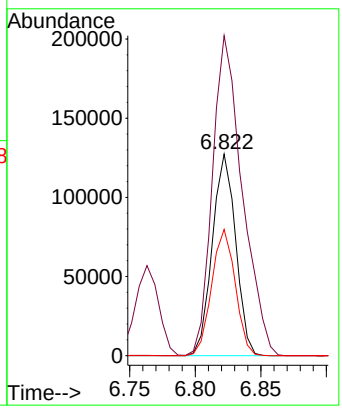


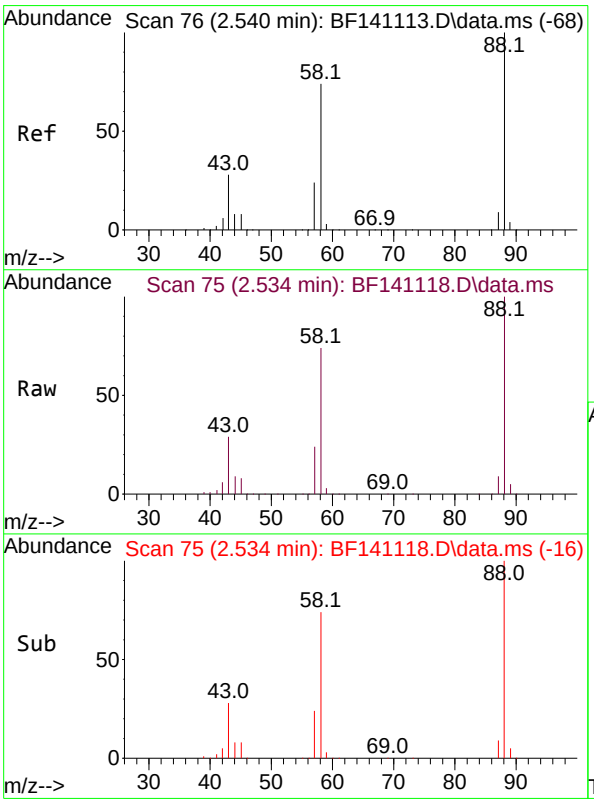

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:152 Resp: 157706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.8 | 125.8 | 188.8 |
| 115 | 62.7 | 51.4 | 77.2 |

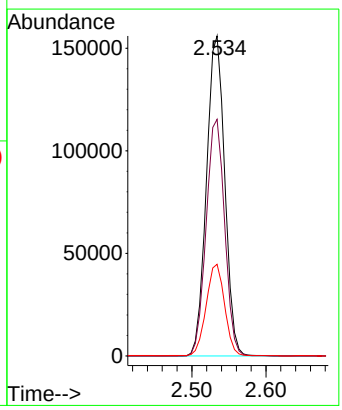


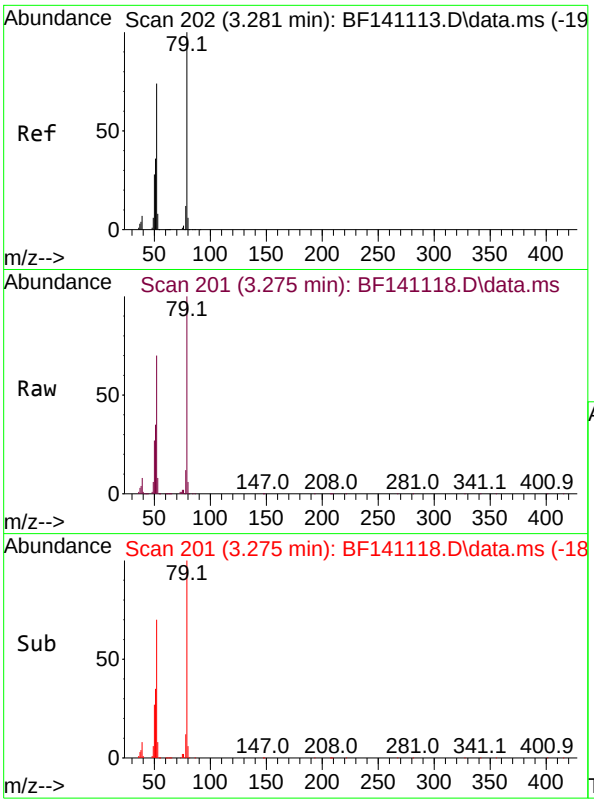




#2
1,4-Dioxane
Concen: 58.686 ng
RT: 2.534 min Scan# 75
Delta R.T. -0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion: 88 Resp: 266794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.0 | 60.1 | 90.1 |
| 43 | 28.7 | 23.1 | 34.7 |



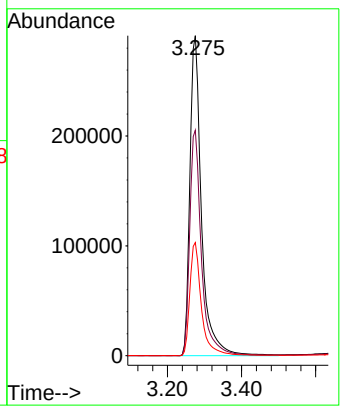


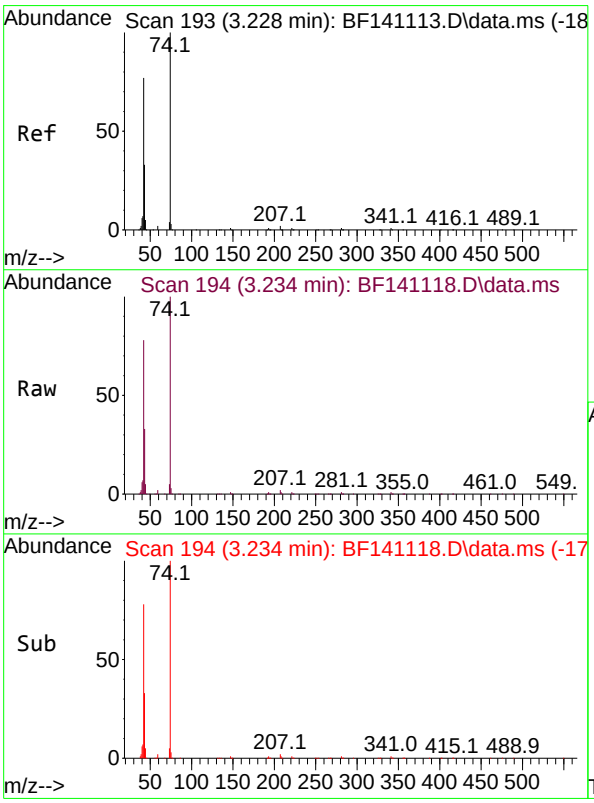

#3
Pyridine
Concen: 57.117 ng
RT: 3.275 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 79 Resp: 636756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 70.5 | 58.9 | 88.3 |
| 51 | 35.4 | 29.1 | 43.7 |

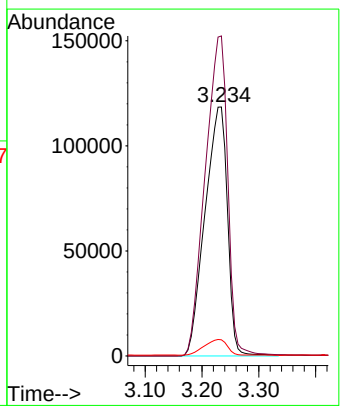


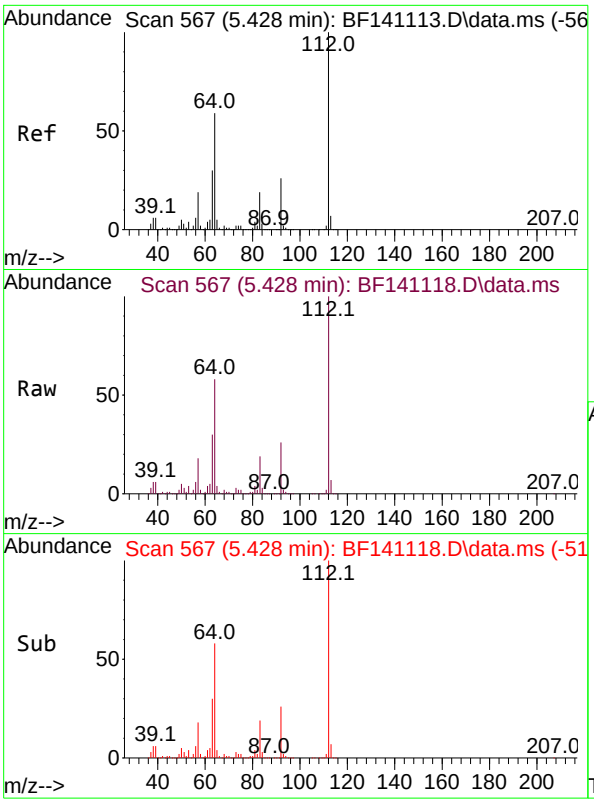




#4
n-Nitrosodimethylamine
Concen: 59.738 ng
RT: 3.234 min Scan# 194
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion: 42 Resp: 325634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 128.5 | 103.8 | 155.6 |
| 44 | 6.5 | 5.3 | 7.9 |



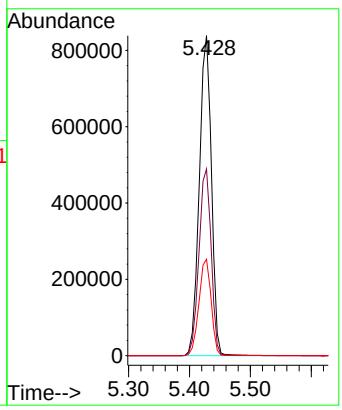


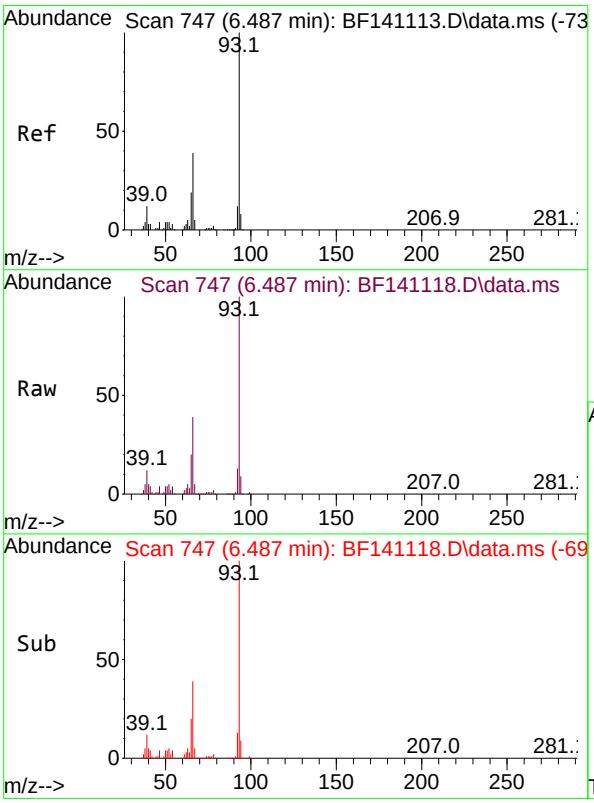

#5
2-Fluorophenol
Concen: 113.741 ng
RT: 5.428 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:112 Resp: 1161166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.3 | 47.3 | 70.9 |
| 63 | 30.2 | 24.2 | 36.2 |

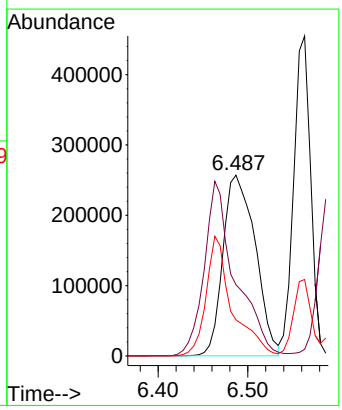


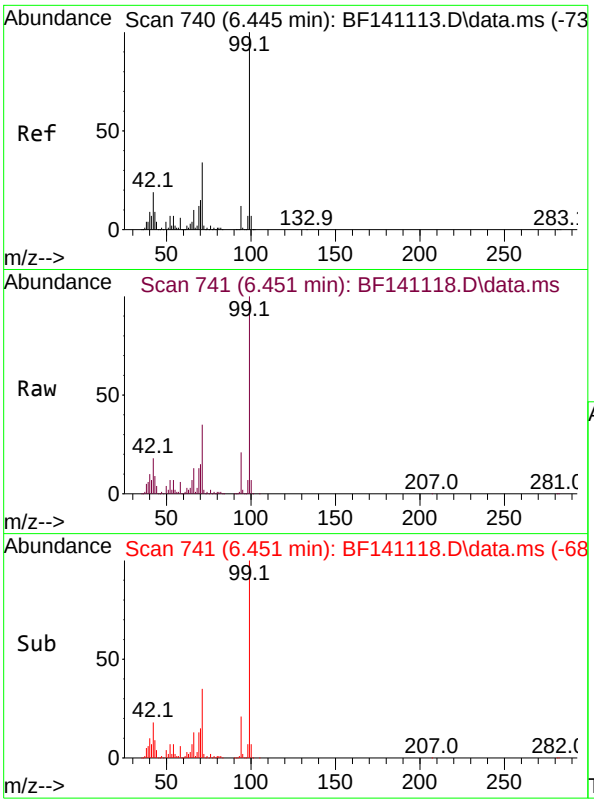




#6
Aniline
Concen: 56.026 ng
RT: 6.487 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion: 93 Resp: 643255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.4 | 31.5 | 47.3 |
| 65 | 20.0 | 15.3 | 22.9 |



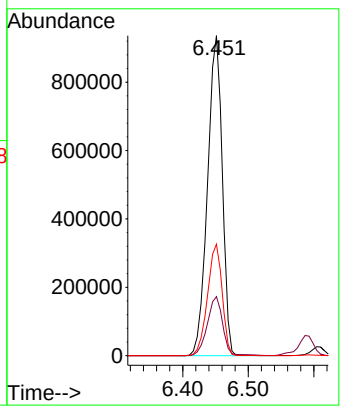


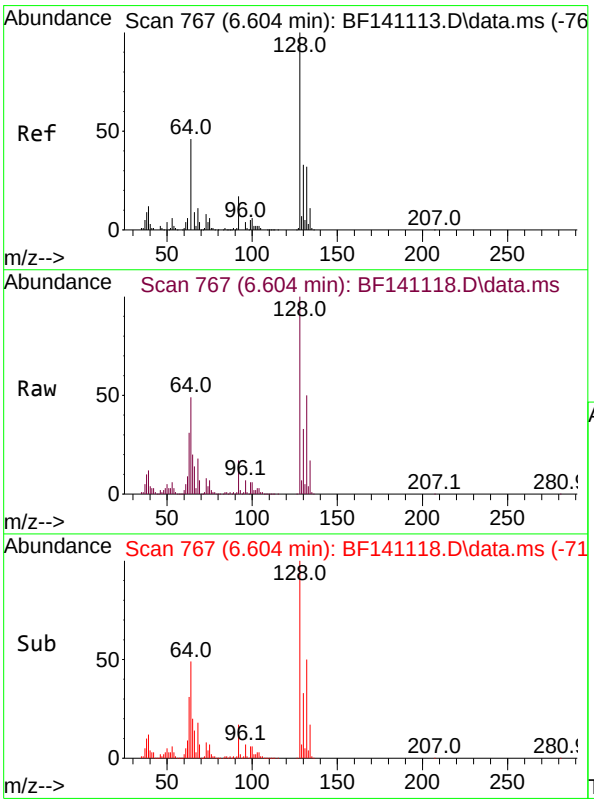

#7
Phenol-d6
Concen: 113.234 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 99 Resp: 1464294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.5 | 15.0 | 22.4 |
| 71 | 34.8 | 27.6 | 41.4 |

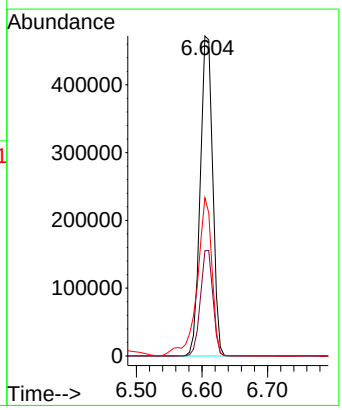


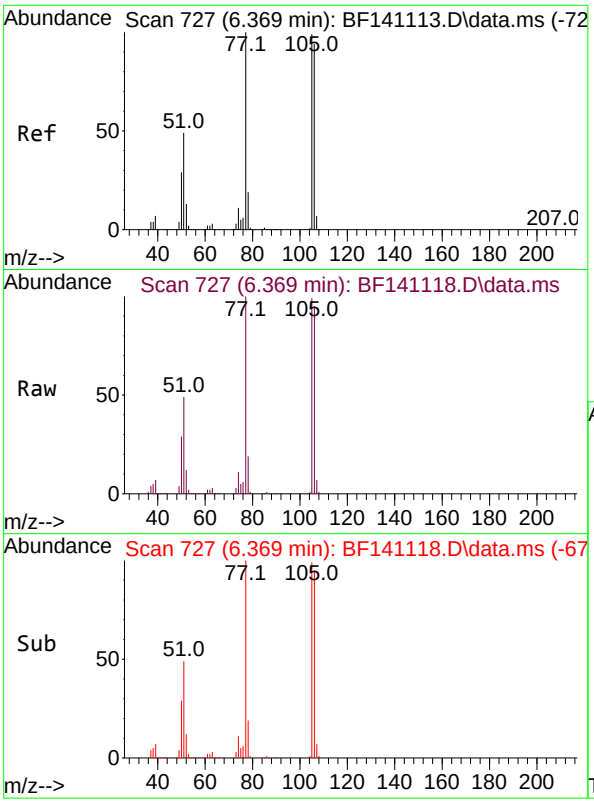




#8
2-Chlorophenol
Concen: 57.043 ng
RT: 6.604 min Scan# 767
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:128 Resp: 624776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.9 | 12.5 | 52.5 |
| 64 | 49.5 | 28.3 | 68.3 |



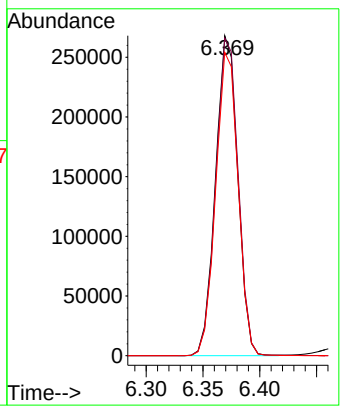


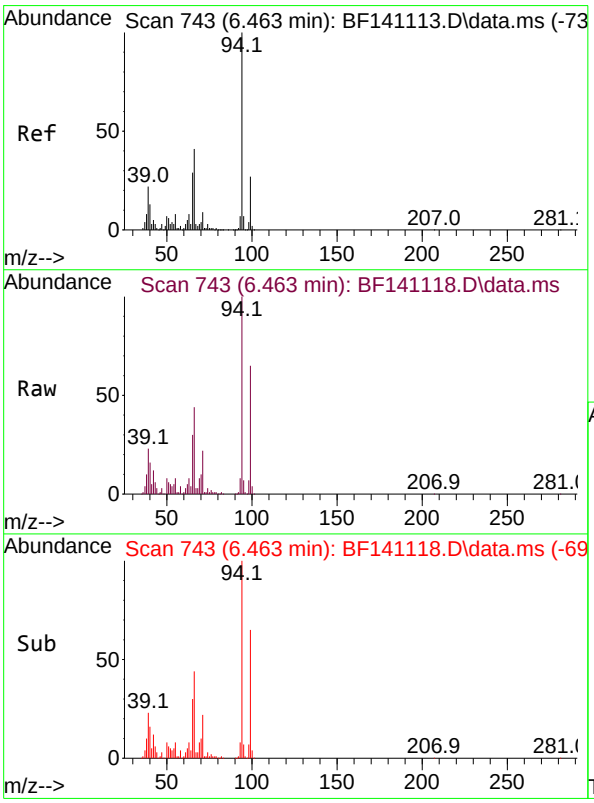

#9
Benzaldehyde
Concen: 50.499 ng
RT: 6.369 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 77 Resp: 364797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.2 | 78.9 | 118.9 |
| 106 | 94.8 | 73.6 | 113.6 |

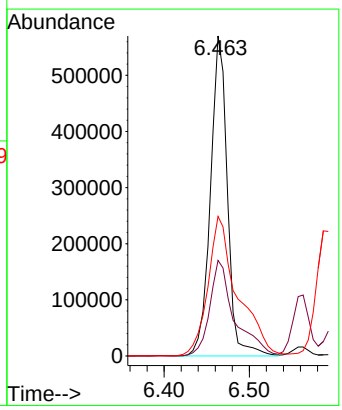


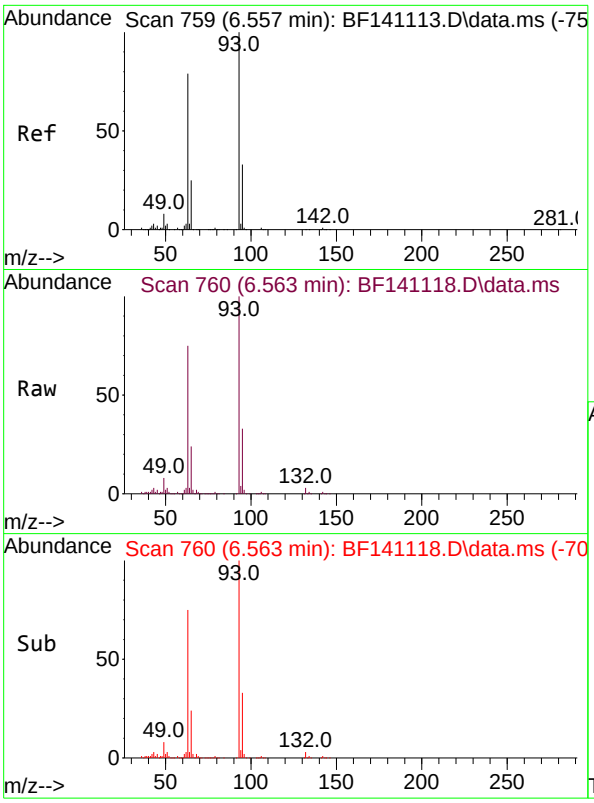




#10
Phenol
Concen: 56.996 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion: 94 Resp: 788986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.9 | 8.9 | 48.9 |
| 66 | 43.6 | 21.2 | 61.2 |



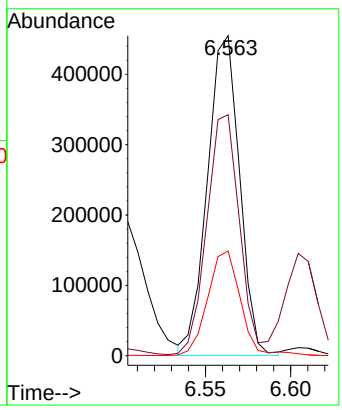


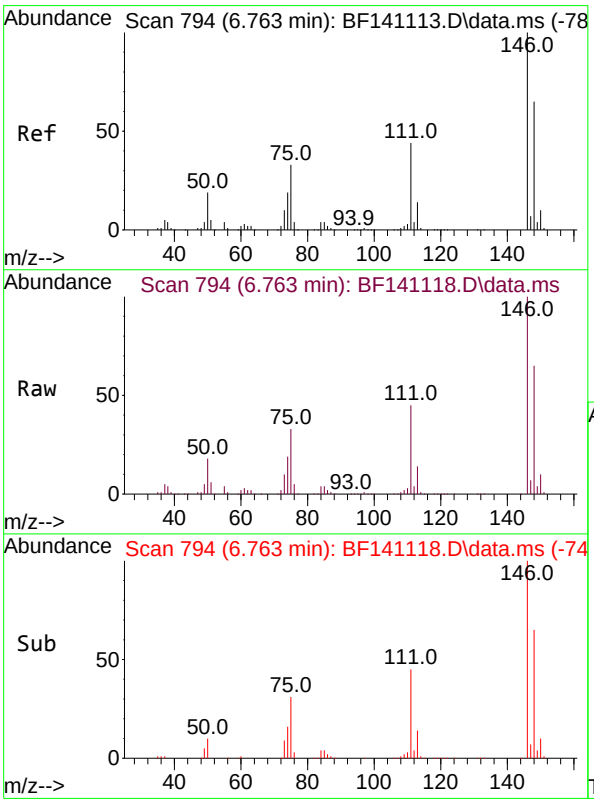

#11
bis(2-Chloroethyl)ether
Concen: 57.990 ng
RT: 6.563 min Scan# 7(
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 93 Resp: 598240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 75.3 | 58.0 | 98.0 |
| 95 | 32.7 | 12.5 | 52.5 |

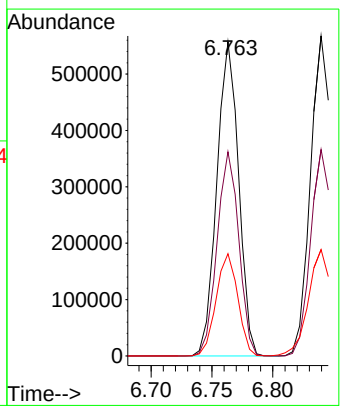


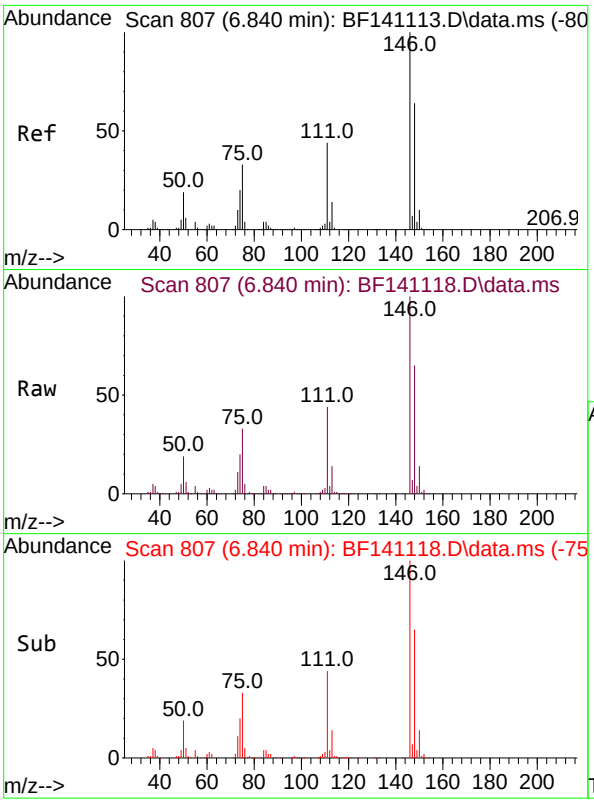




#12
1,3-Dichlorobenzene
Concen: 56.791 ng
RT: 6.763 min Scan# 794
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:146 Resp: 693741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.0 | 51.6 | 77.4 |
| 75 | 32.6 | 26.2 | 39.2 |



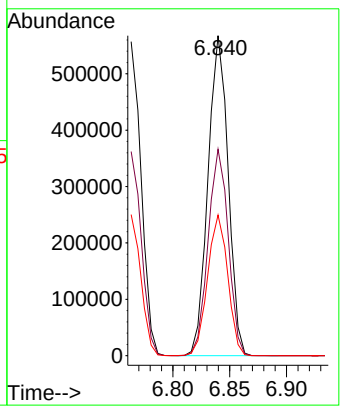


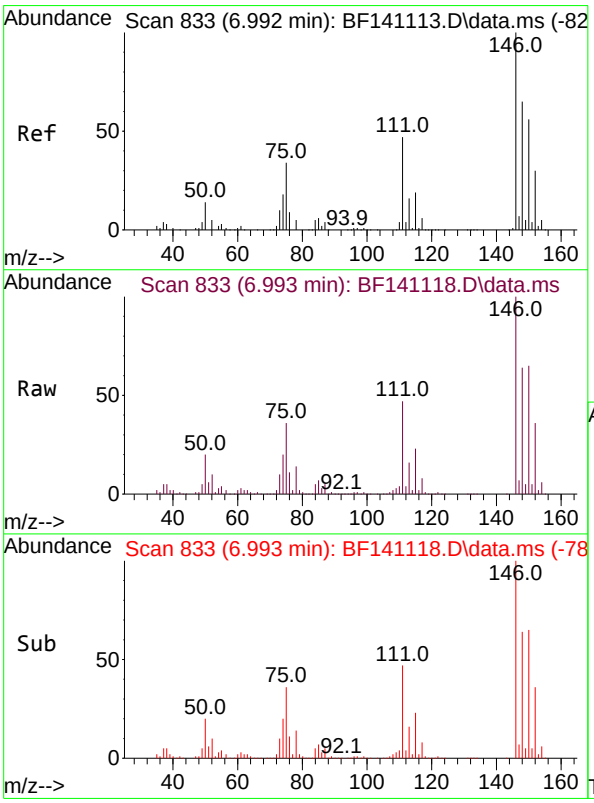

#13
1,4-Dichlorobenzene
Concen: 56.894 ng
RT: 6.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:146 Resp: 700356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.5 | 51.0 | 76.6 |
| 111 | 43.9 | 34.9 | 52.3 |

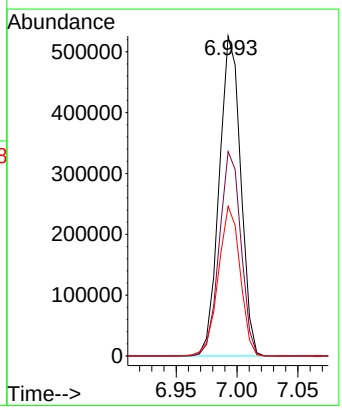


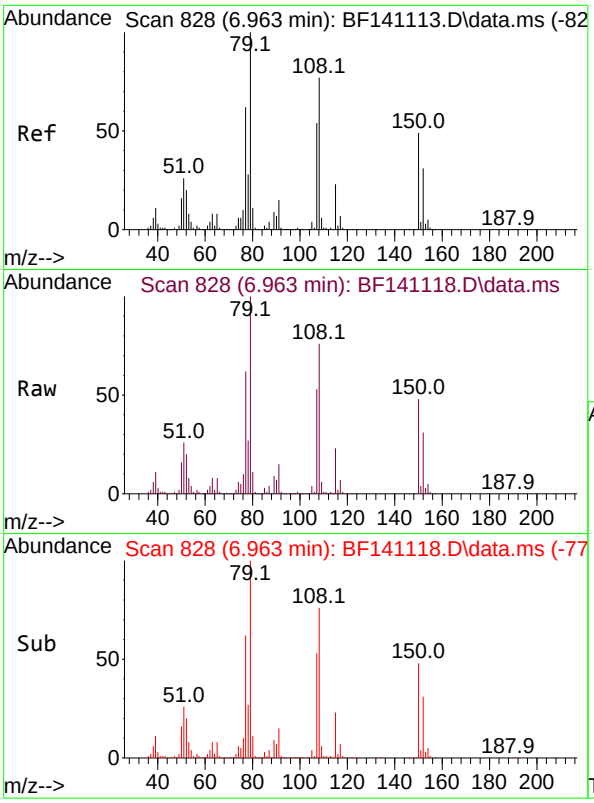




#14
1,2-Dichlorobenzene
Concen: 56.150 ng
RT: 6.993 min Scan# 833
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:146 Resp: 644752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 52.2 | 78.4 |
| 111 | 46.8 | 37.5 | 56.3 |



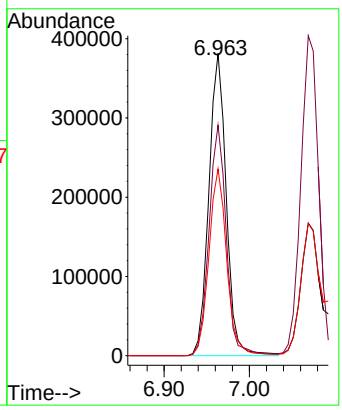


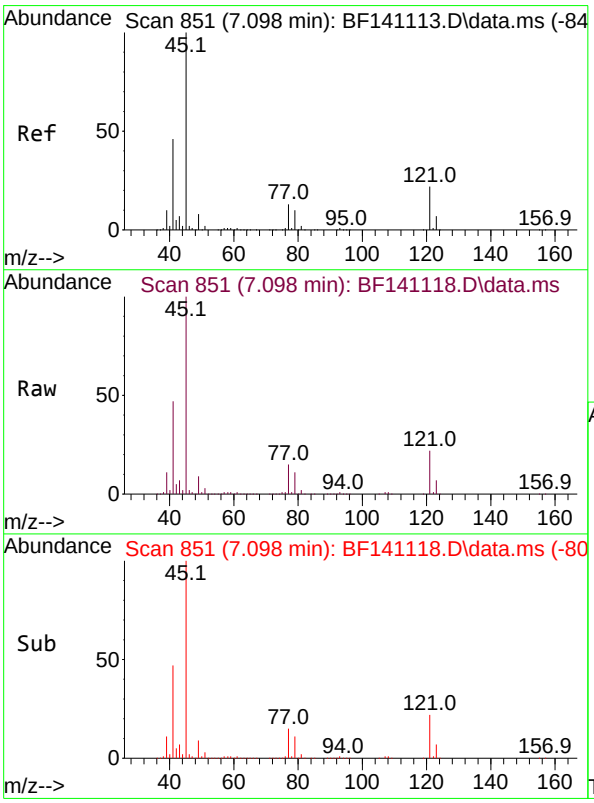

#15
Benzyl Alcohol
Concen: 57.975 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 79 Resp: 541420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.3 | 61.4 | 92.0 |
| 77 | 61.8 | 49.8 | 74.6 |

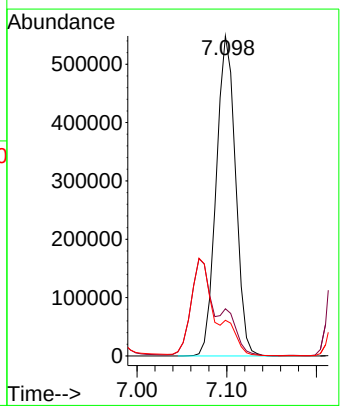


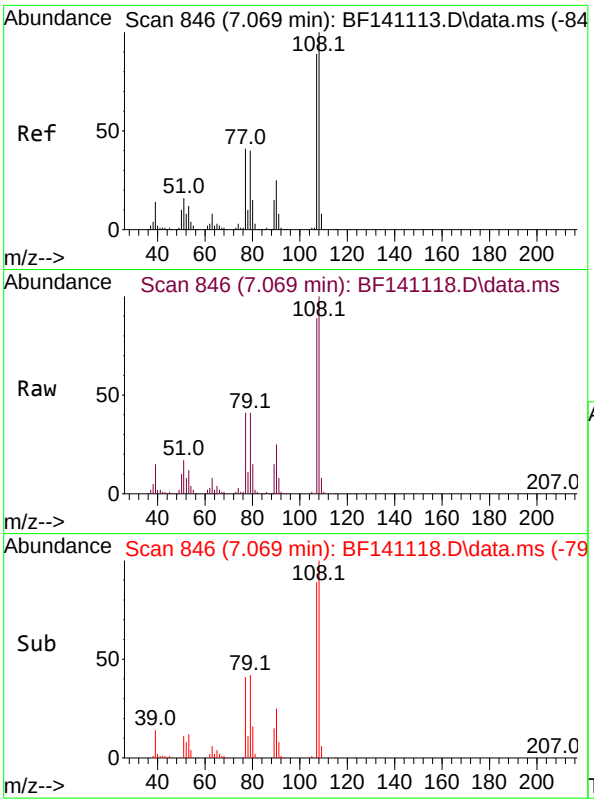




#16
2,2'-oxybis(1-Chloropropane)
Concen: 56.872 ng
RT: 7.098 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion: 45 Resp: 818728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.7 | 0.0 | 34.1 |
| 79 | 11.2 | 0.0 | 31.0 |



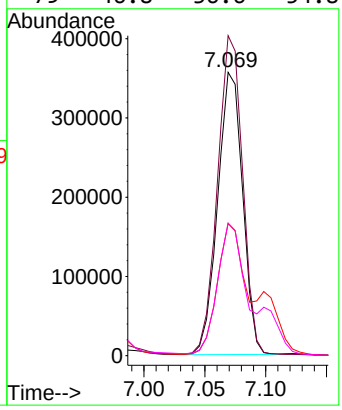


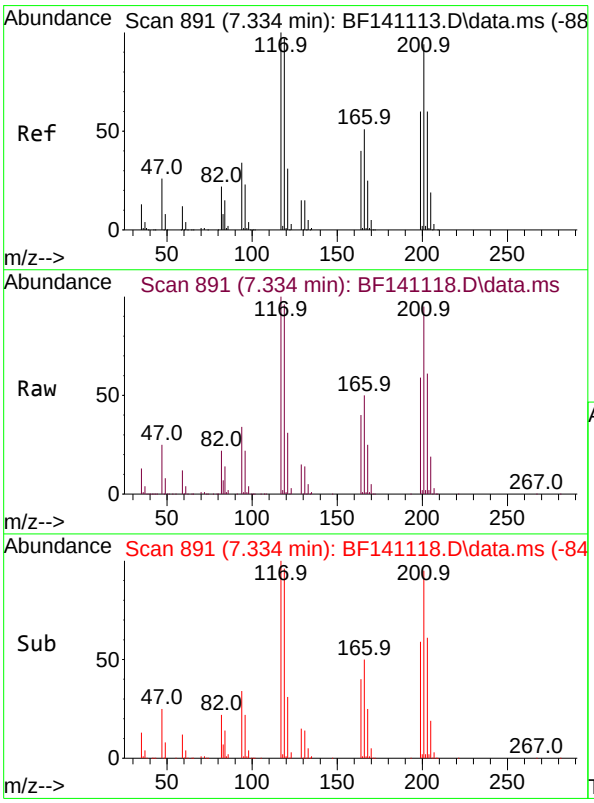

#17
2-Methylphenol
Concen: 57.648 ng
RT: 7.069 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:107 Resp: 509763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.9 | 90.1 | 135.1 |
| 77 | 46.6 | 36.6 | 55.0 |
| 79 | 46.8 | 36.6 | 54.8 |

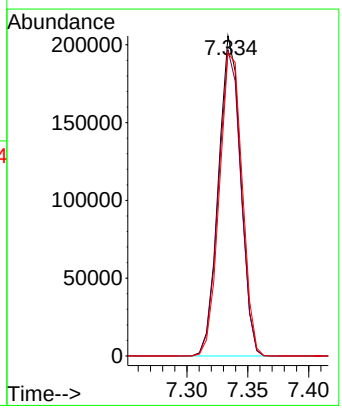


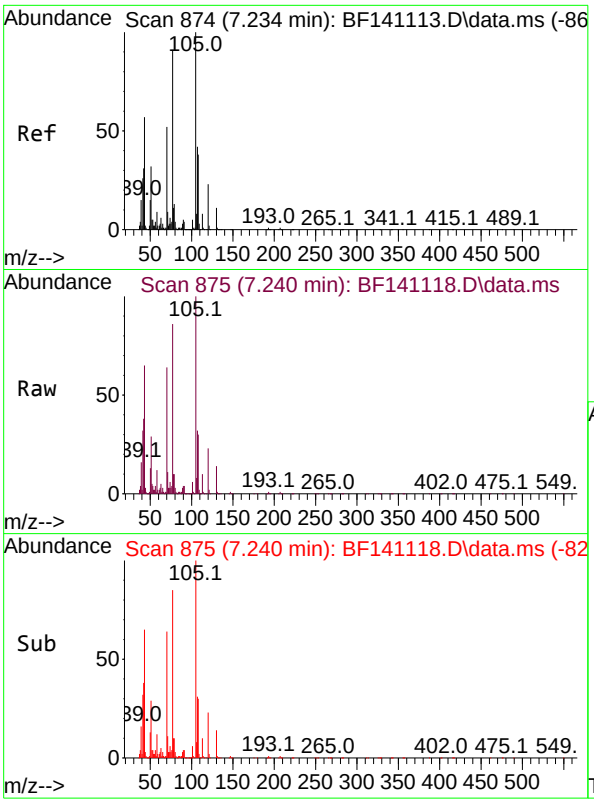




#18
Hexachloroethane
Concen: 58.460 ng
RT: 7.334 min Scan# 891
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:117 Resp: 260241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.6 | 77.6 | 116.4 |
| 201 | 94.7 | 75.1 | 112.7 |



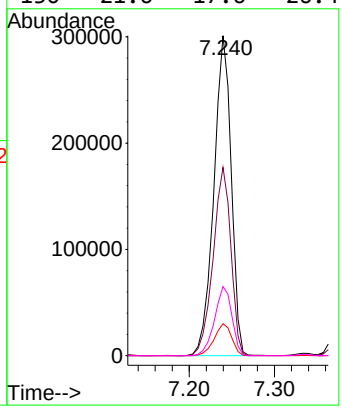


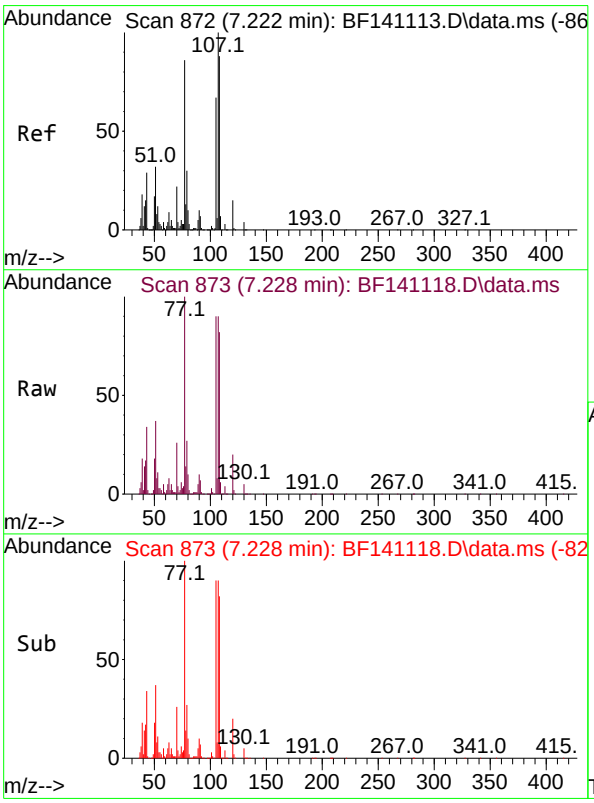

#19
n-Nitroso-di-n-propylamine
Concen: 56.050 ng
RT: 7.240 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 70 Resp: 426961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 58.9 | 47.8 | 71.6 |
| 101 | 10.0 | 7.9 | 11.9 |
| 130 | 21.6 | 17.6 | 26.4 |

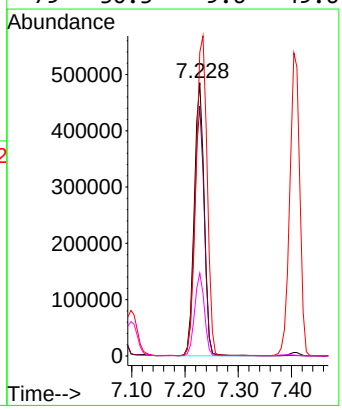


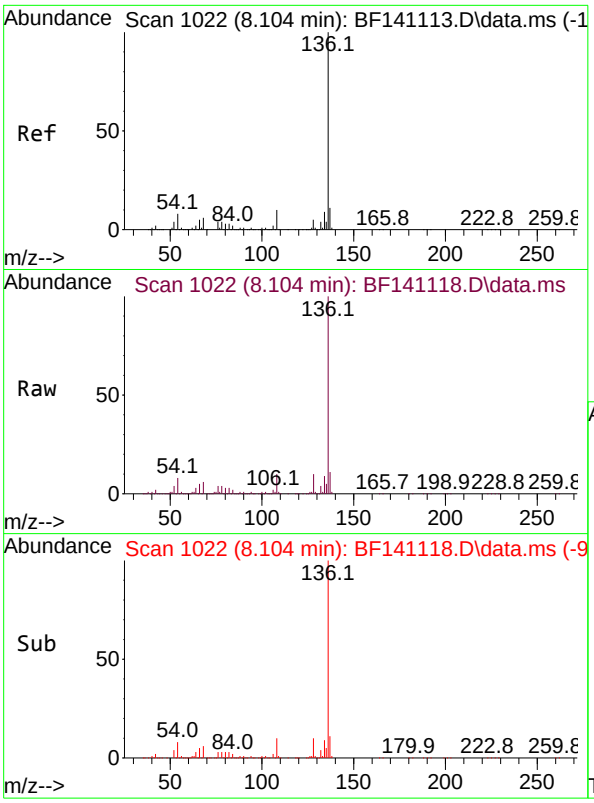




#20
3+4-Methylphenols
Concen: 55.954 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:107 Resp: 624218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.4 | 68.3 | 108.3 |
| 77 | 111.1 | 66.4 | 106.4# |
| 79 | 30.3 | 9.6 | 49.6 |



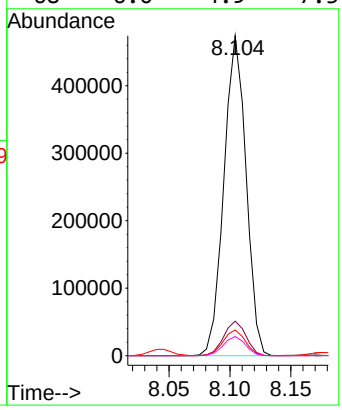


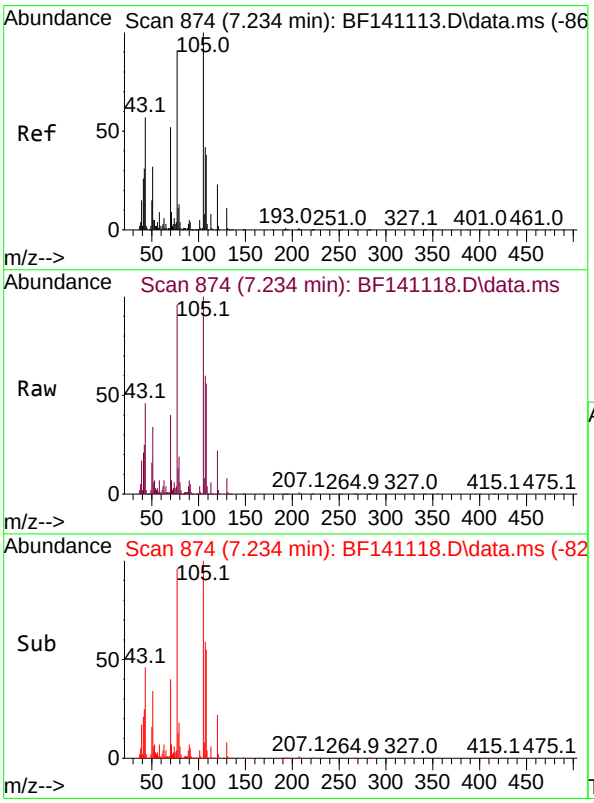

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:136 Resp: 600362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.8 | 13.2 |
| 54 | 8.0 | 6.3 | 9.5 |
| 68 | 6.0 | 4.9 | 7.3 |

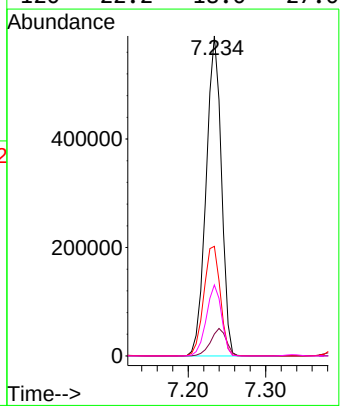


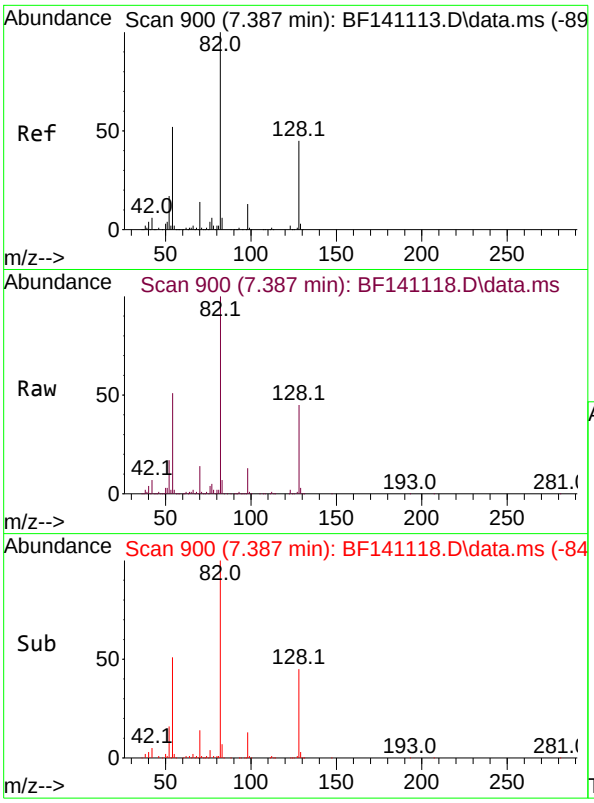




#22
Acetophenone
Concen: 56.696 ng
RT: 7.234 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:105 Resp: 809173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.8 | 7.1 | 10.7# |
| 51 | 34.2 | 25.4 | 38.2 |
| 120 | 22.2 | 18.0 | 27.0 |



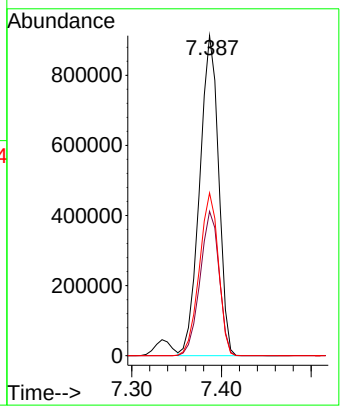


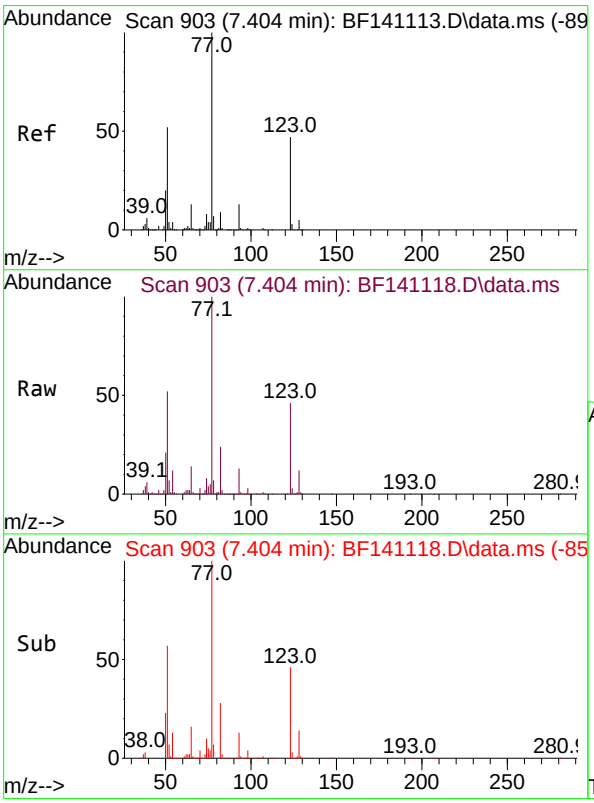

#23
Nitrobenzene-d5
Concen: 118.372 ng
RT: 7.387 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 82 Resp: 1340654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.1 | 36.1 | 54.1 |
| 54 | 50.9 | 41.0 | 61.4 |

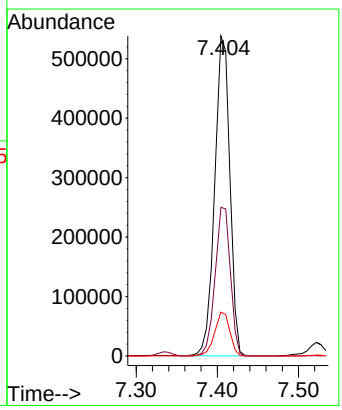


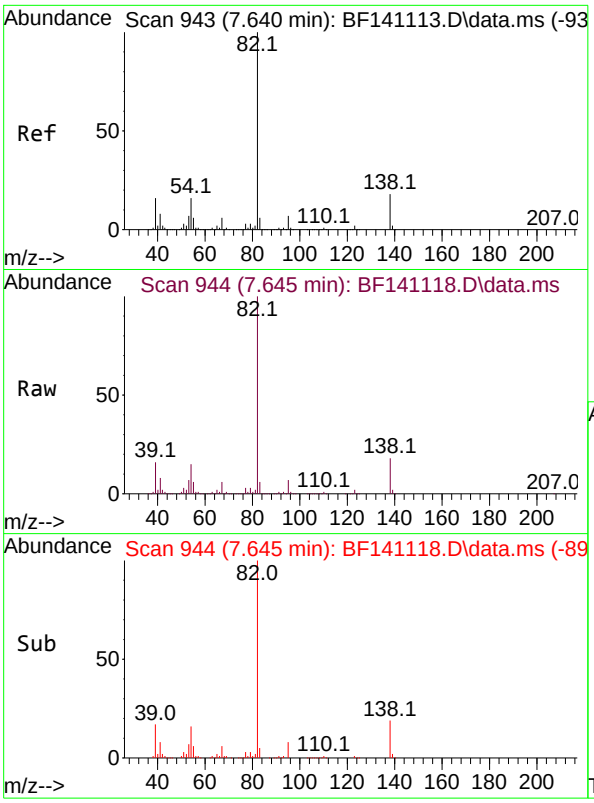




#24
Nitrobenzene
Concen: 59.239 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion: 77 Resp: 699248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.5 | 37.7 | 56.5 |
| 65 | 13.7 | 10.6 | 16.0 |



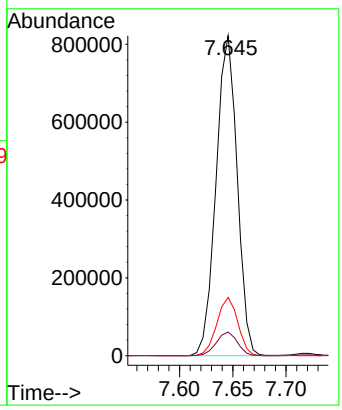


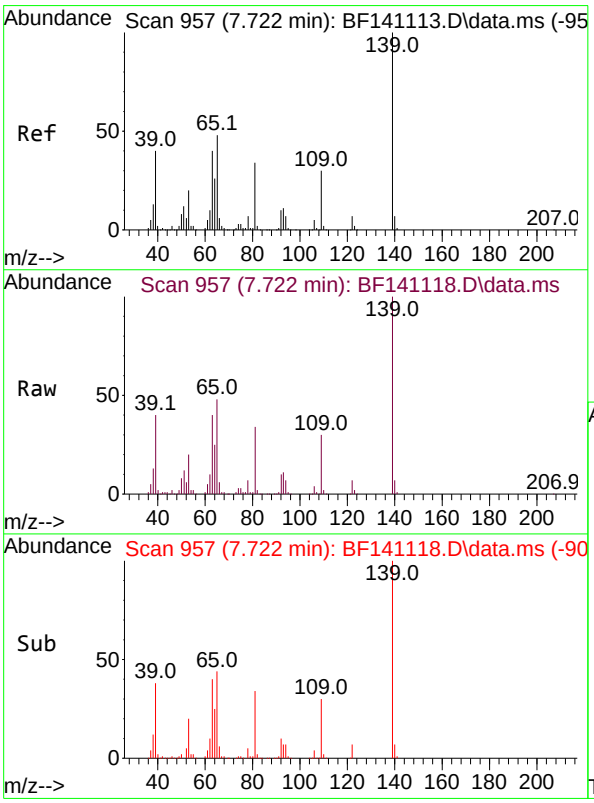

#25
Isophorone
Concen: 58.450 ng
RT: 7.645 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 82 Resp: 1131315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.4 | 5.9 | 8.9 |
| 138 | 18.2 | 14.2 | 21.2 |

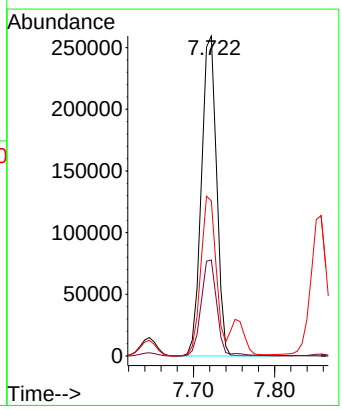


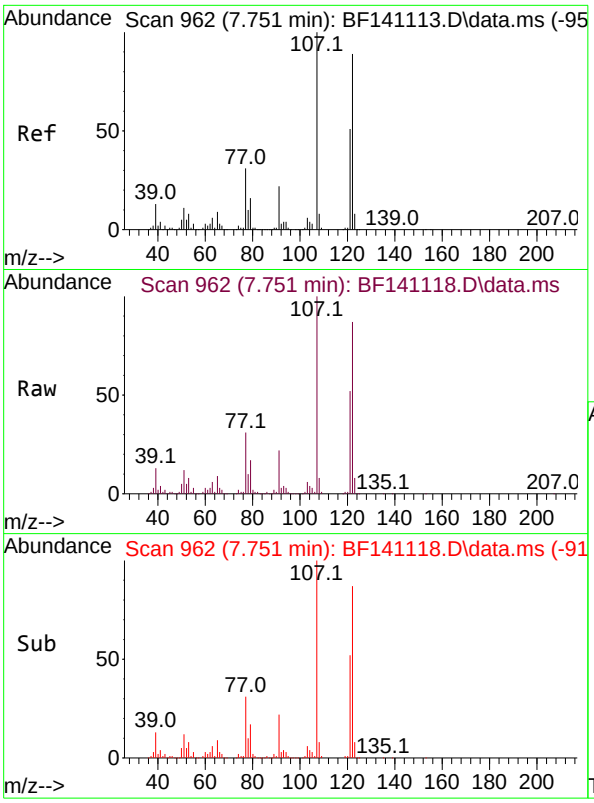




#26
2-Nitrophenol
Concen: 62.679 ng
RT: 7.722 min Scan# 957
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:139 Resp: 336551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.0 | 23.8 | 35.6 |
| 65 | 48.5 | 38.5 | 57.7 |



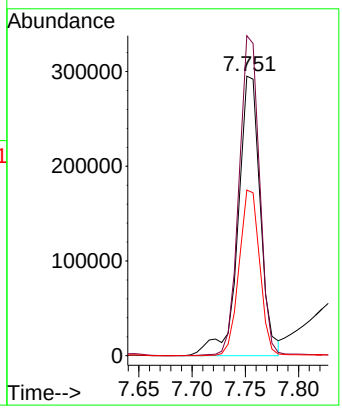


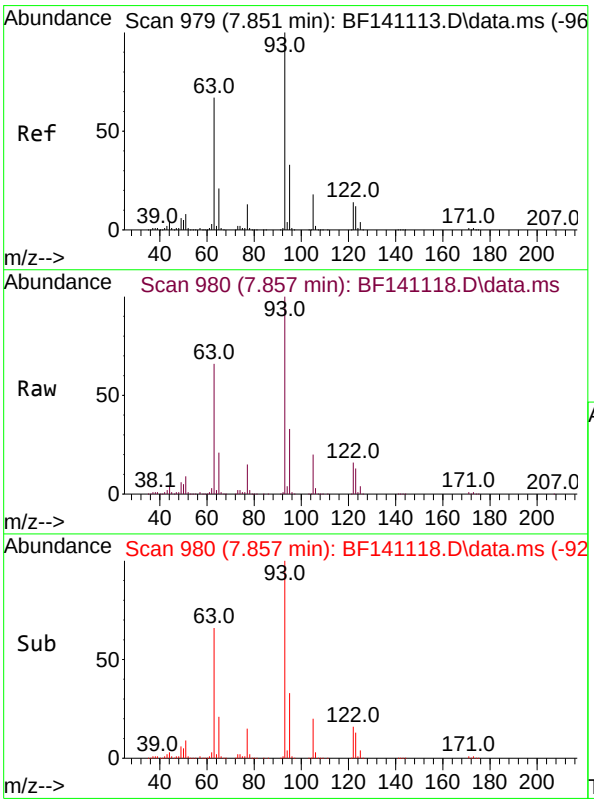

#27
2,4-Dimethylphenol
Concen: 59.269 ng
RT: 7.751 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:122 Resp: 429261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.5 | 90.3 | 135.5 |
| 121 | 59.3 | 46.5 | 69.7 |

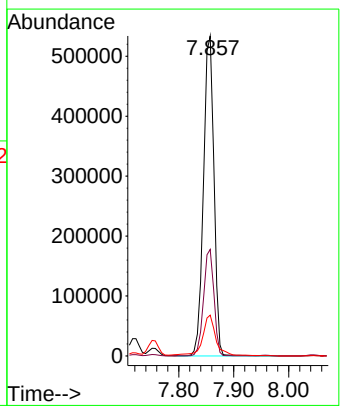


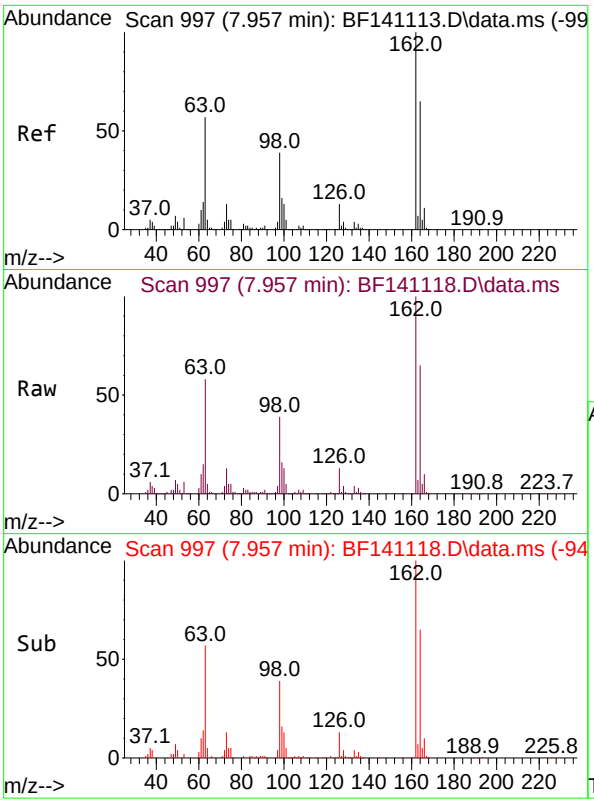




#28
bis(2-Chloroethoxy)methane
Concen: 58.290 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion: 93 Resp: 708043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.3 | 26.2 | 39.4 |
| 123 | 12.8 | 10.1 | 15.1 |



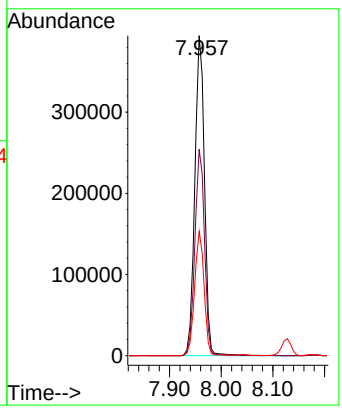


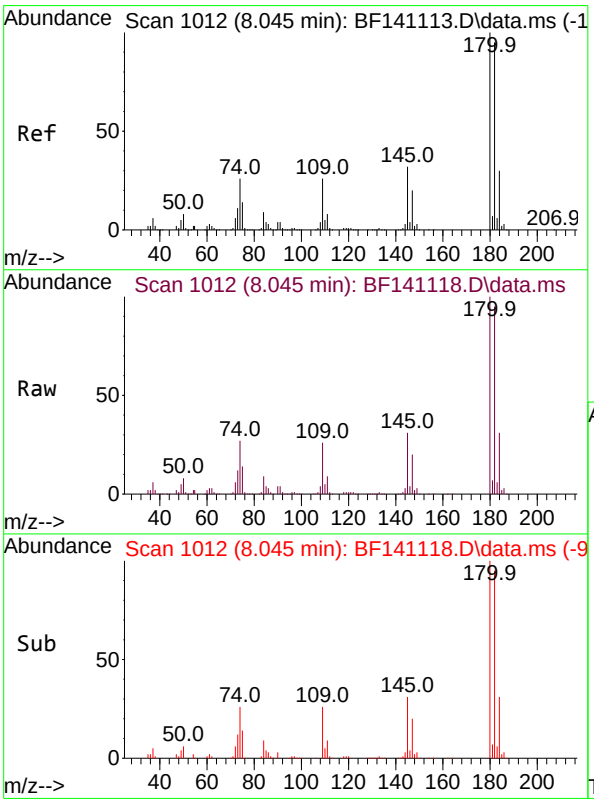

#29
2,4-Dichlorophenol
Concen: 59.394 ng
RT: 7.957 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:162 Resp: 510890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.5 | 44.5 | 84.5 |
| 98 | 38.8 | 18.5 | 58.5 |

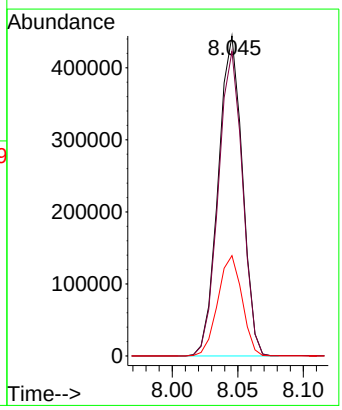


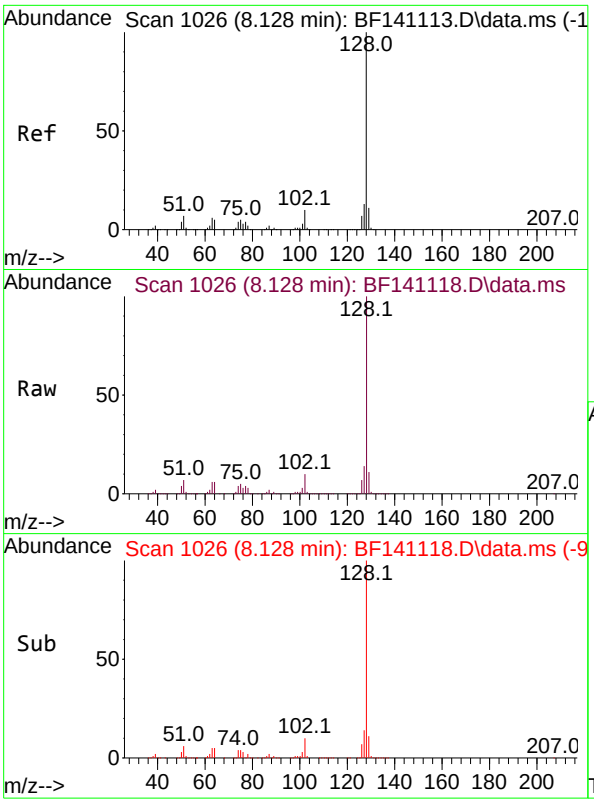




#30
1,2,4-Trichlorobenzene
Concen: 57.848 ng
RT: 8.045 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:180 Resp: 568765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 76.2 | 114.2 |
| 145 | 31.4 | 25.3 | 37.9 |



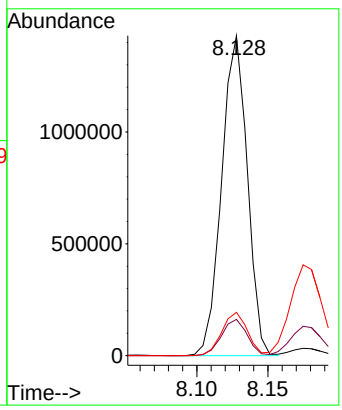


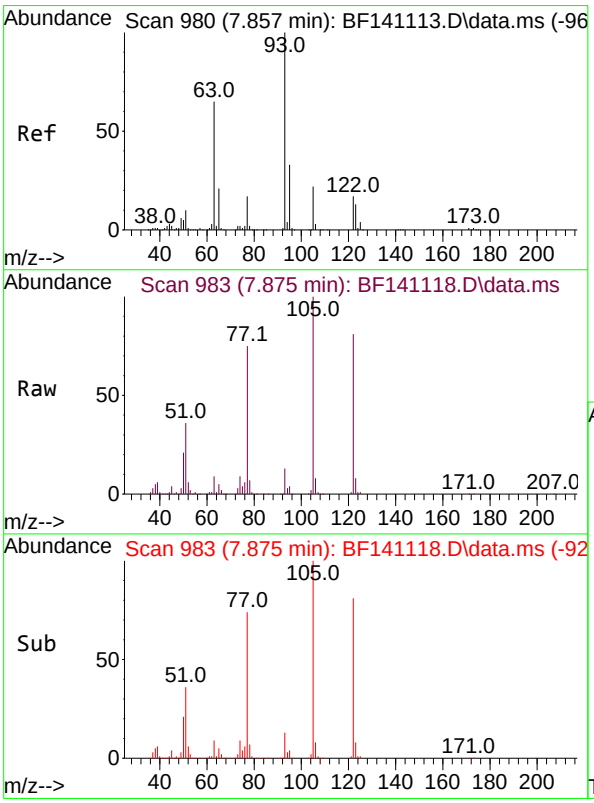

#31
Naphthalene
Concen: 56.724 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:128 Resp: 1795916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.4 | 9.0 | 13.6 |
| 127 | 13.6 | 10.8 | 16.2 |

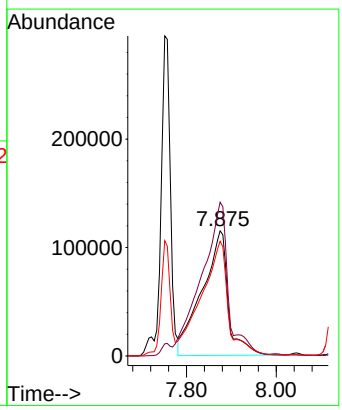


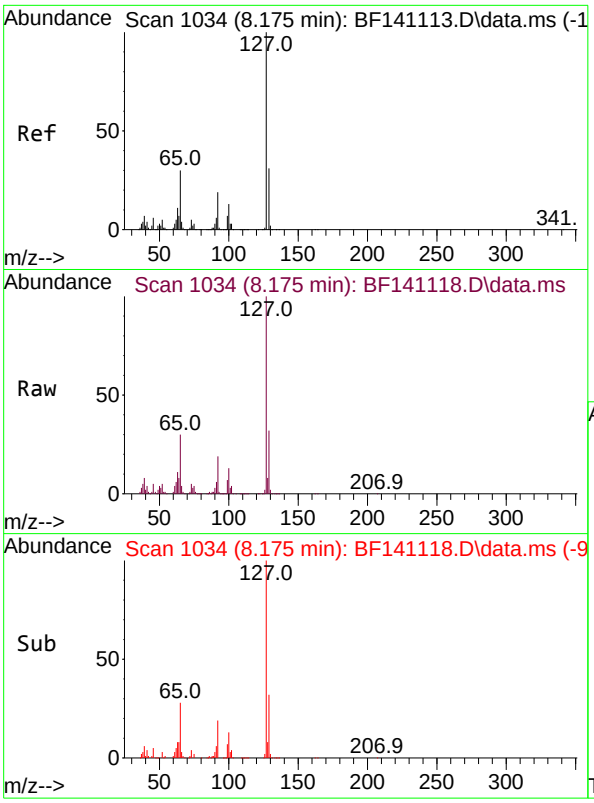




#32
Benzoic acid
Concen: 66.980 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.018 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:122 Resp: 465348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 122.9 | 105.5 | 145.5 |
| 77 | 91.7 | 75.1 | 115.1 |



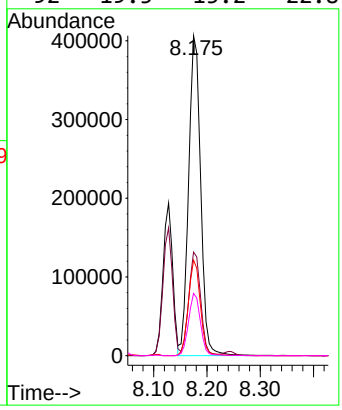


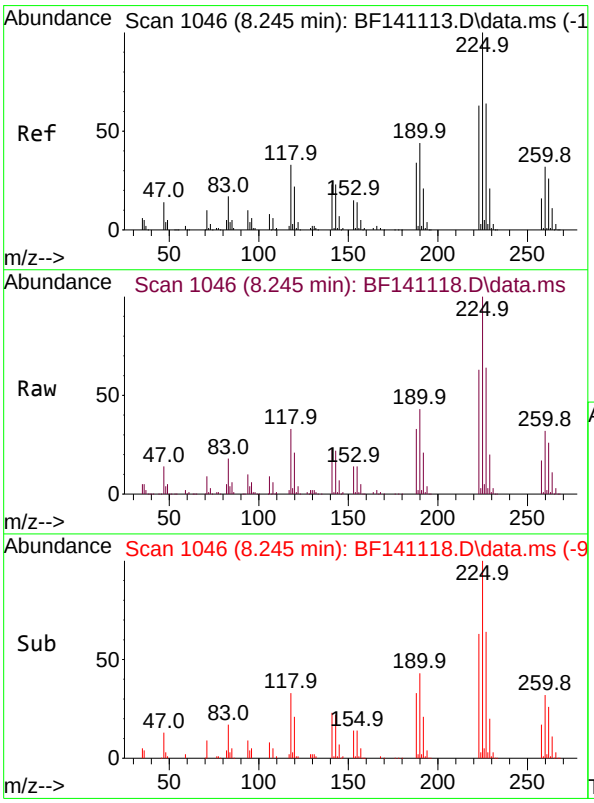

#33
4-Chloroaniline
Concen: 58.424 ng
RT: 8.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:127 Resp: 639712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.4 | 25.9 | 38.9 |
| 65 | 29.9 | 23.8 | 35.8 |
| 92 | 19.5 | 15.2 | 22.8 |

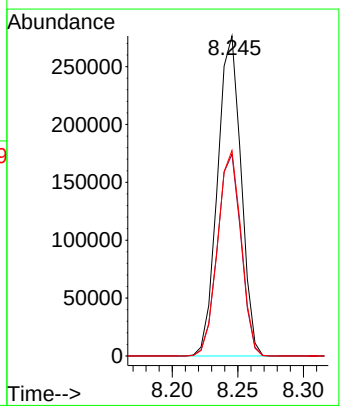


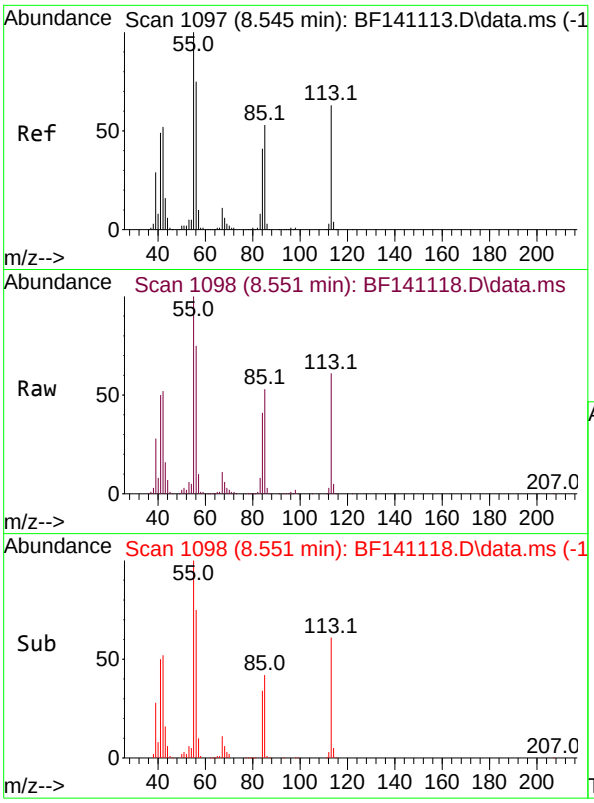




#34
Hexachlorobutadiene
Concen: 58.183 ng
RT: 8.245 min Scan# 1046
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:225 Resp: 344699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 50.6 | 76.0 |
| 227 | 64.2 | 51.6 | 77.4 |



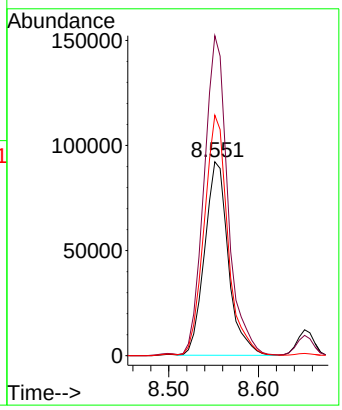


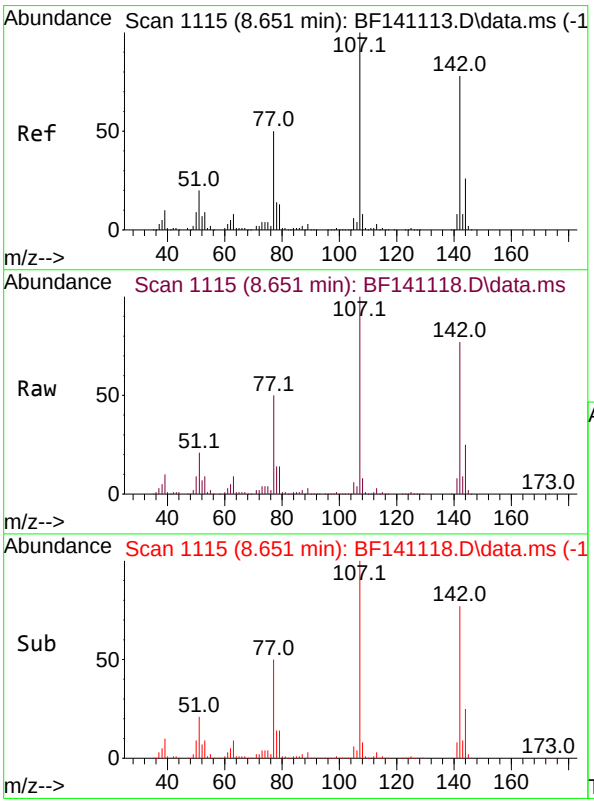

#35
Caprolactam
Concen: 59.824 ng
RT: 8.551 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:113 Resp: 168796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 165.0 | 139.7 | 179.7 |
| 56 | 124.1 | 99.4 | 139.4 |

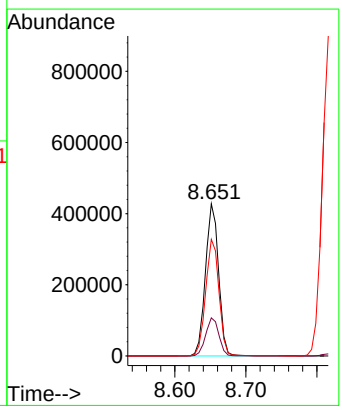


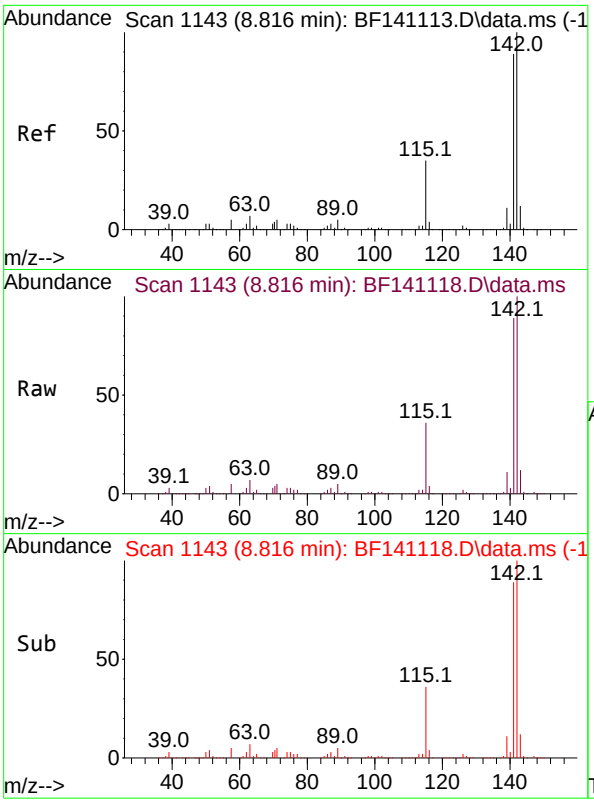




#36
4-Chloro-3-methylphenol
Concen: 58.704 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:107 Resp: 552248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.0 | 20.4 | 30.6 |
| 142 | 76.6 | 62.2 | 93.2 |



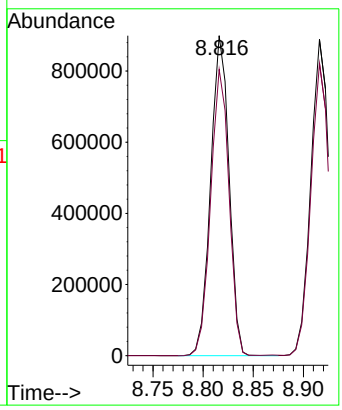


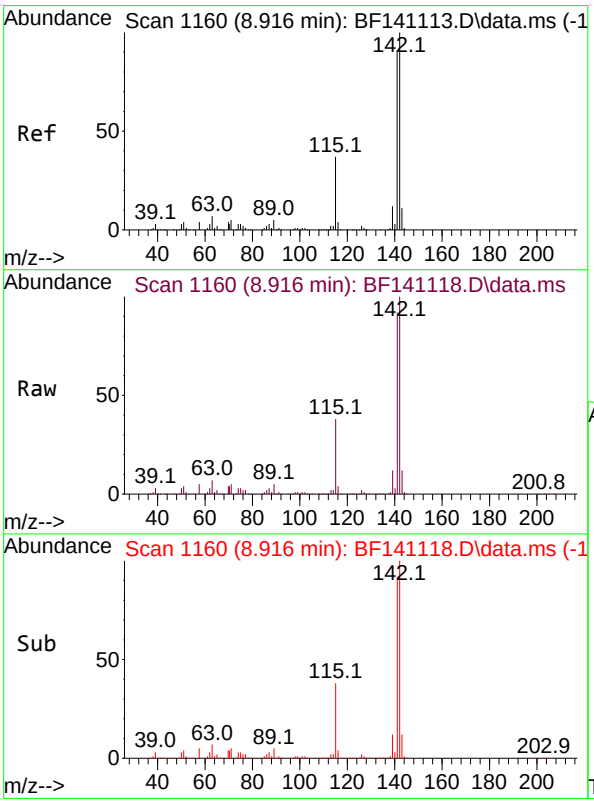

#37
2-Methylnaphthalene
Concen: 56.860 ng
RT: 8.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:142 Resp: 1147172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.4 | 71.3 | 106.9 |

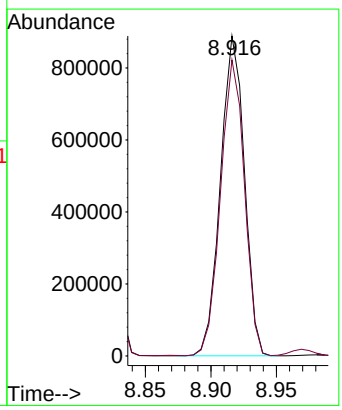


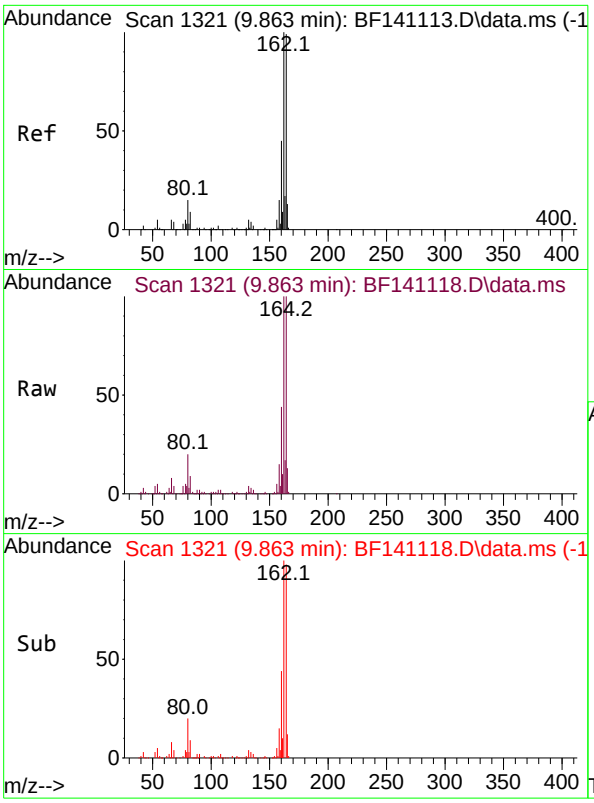




#38
1-Methylnaphthalene
Concen: 56.812 ng
RT: 8.916 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:142 Resp: 1129604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.5 | 73.1 | 109.7 |



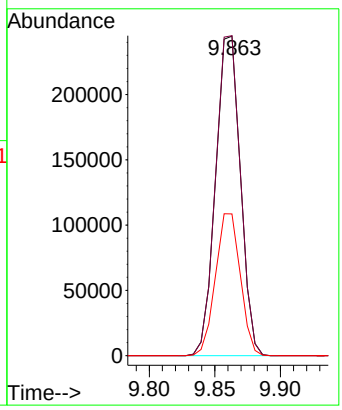


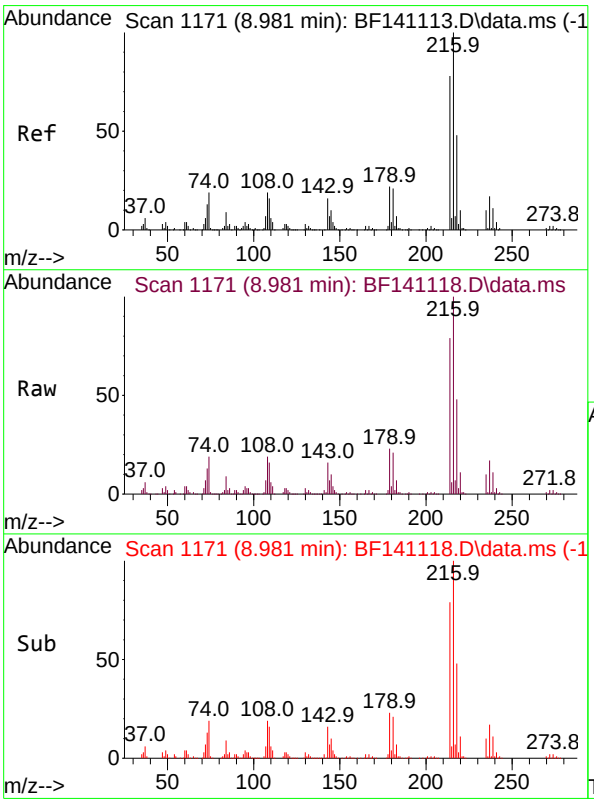

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:164 Resp: 321522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.2 | 81.0 | 121.4 |
| 160 | 44.4 | 36.1 | 54.1 |

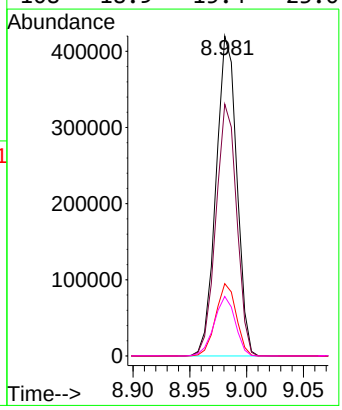


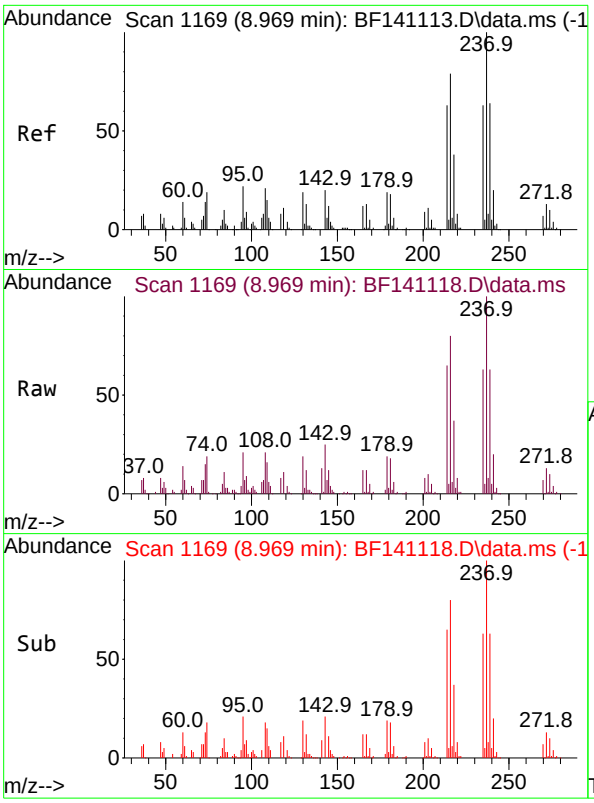




#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.909 ng
RT: 8.981 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:216 Resp: 534399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.8 | 62.6 | 94.0 |
| 179 | 22.3 | 17.7 | 26.5 |
| 108 | 18.9 | 15.4 | 23.0 |



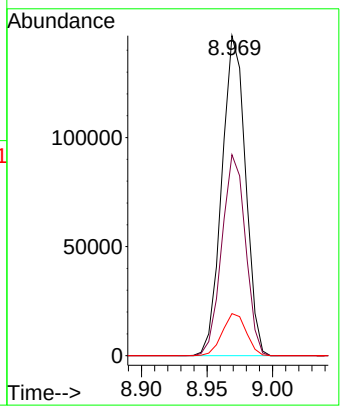


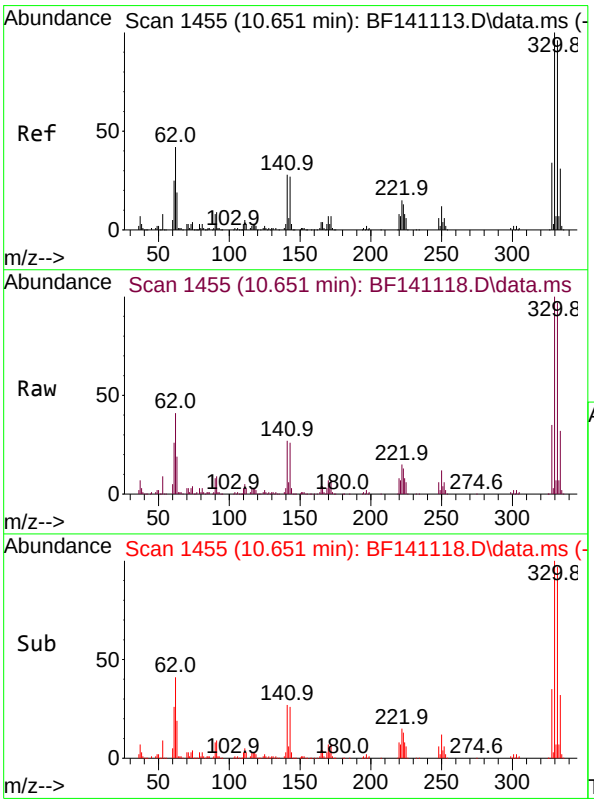

#41
Hexachlorocyclopentadiene
Concen: 61.011 ng
RT: 8.969 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:237 Resp: 184204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.8 | 43.0 | 83.0 |
| 272 | 13.1 | 0.0 | 33.0 |

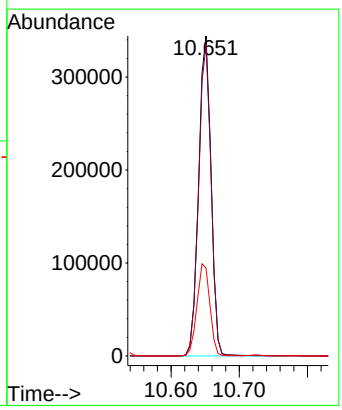


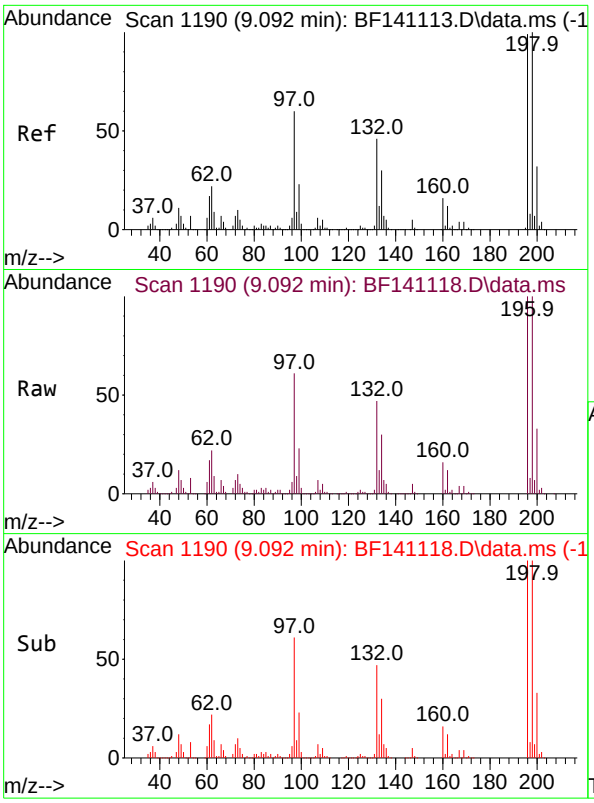




#42
2,4,6-Tribromophenol
Concen: 118.901 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:330 Resp: 435599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.5 | 76.9 | 115.3 |
| 141 | 29.8 | 25.2 | 37.8 |



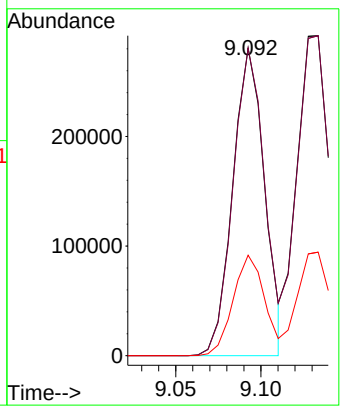


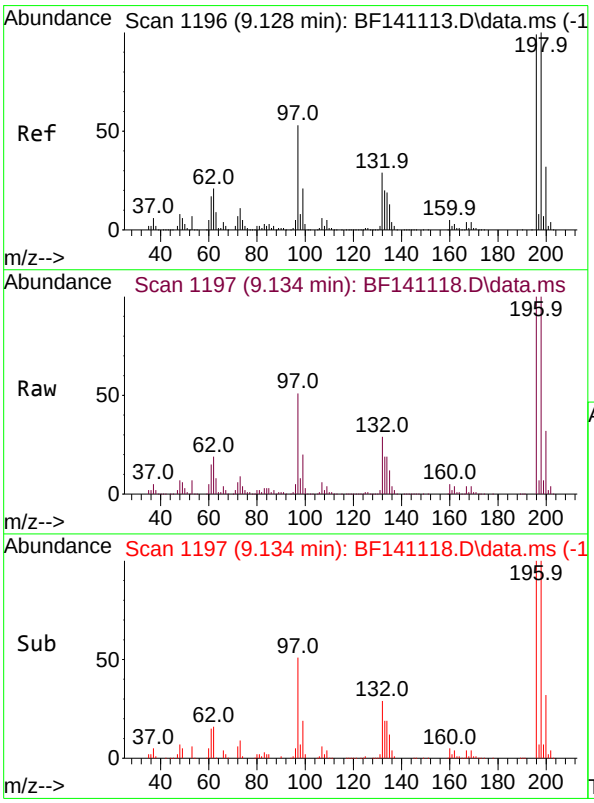

#43
2,4,6-Trichlorophenol
Concen: 58.489 ng
RT: 9.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:196 Resp: 364034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.0 | 80.8 | 121.2 |
| 200 | 32.7 | 25.7 | 38.5 |

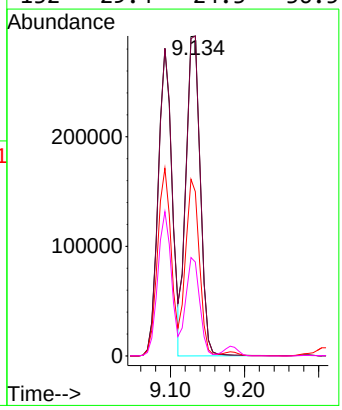


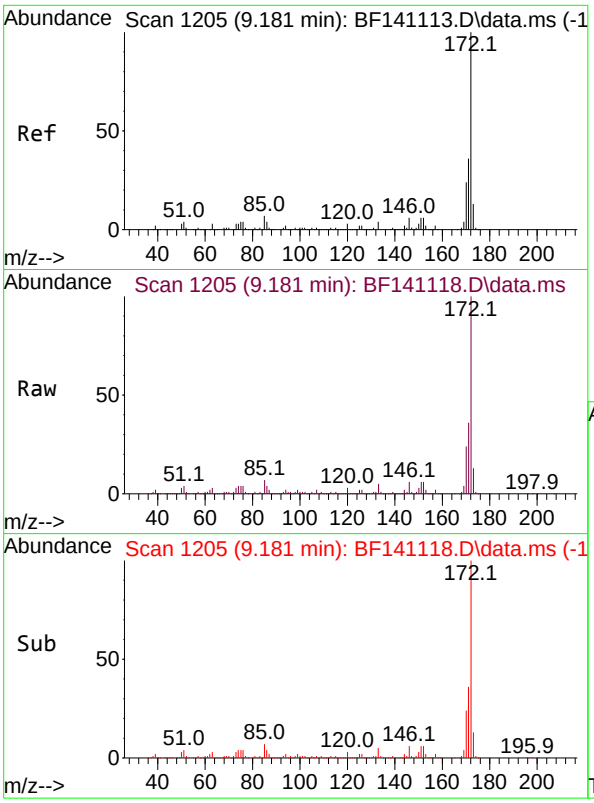




#44
2,4,5-Trichlorophenol
Concen: 59.706 ng
RT: 9.134 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:196 Resp: 392463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.1 | 80.6 | 120.8 |
| 97 | 51.4 | 43.1 | 64.7 |
| 132 | 29.4 | 24.3 | 36.5 |



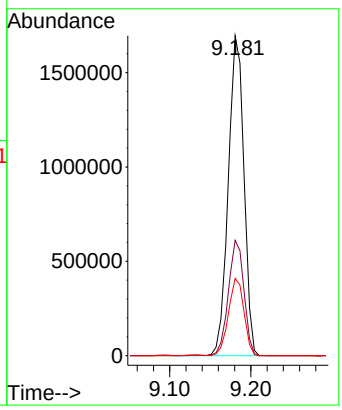


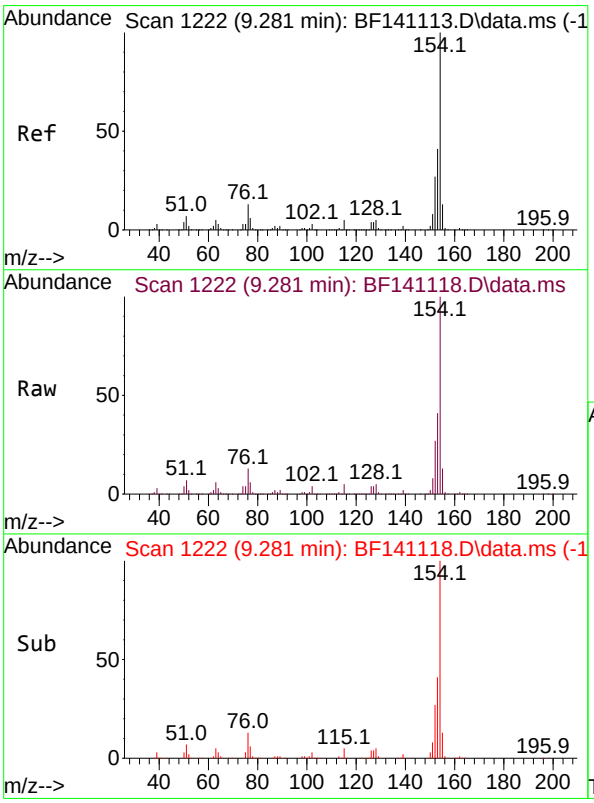

#45
2-Fluorobiphenyl
Concen: 107.735 ng
RT: 9.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:172 Resp: 2268382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 28.7 | 43.1 |
| 170 | 24.1 | 19.0 | 28.6 |

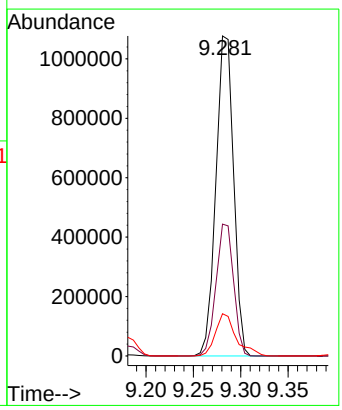


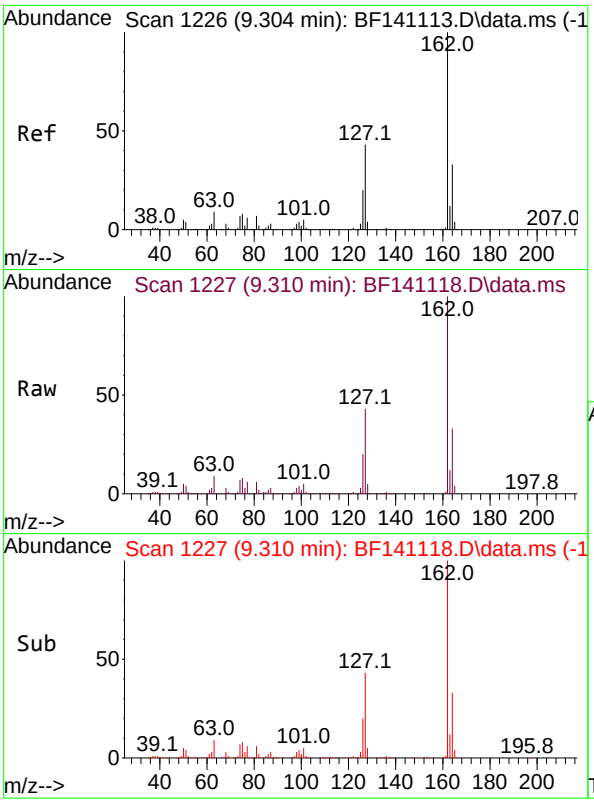




#46
1,1'-Biphenyl
Concen: 56.087 ng
RT: 9.281 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:154 Resp: 1400460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.2 | 20.7 | 60.7 |
| 76 | 13.2 | 0.0 | 33.1 |



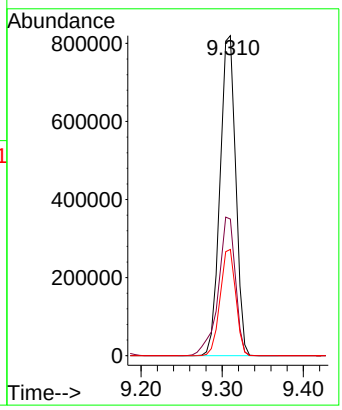


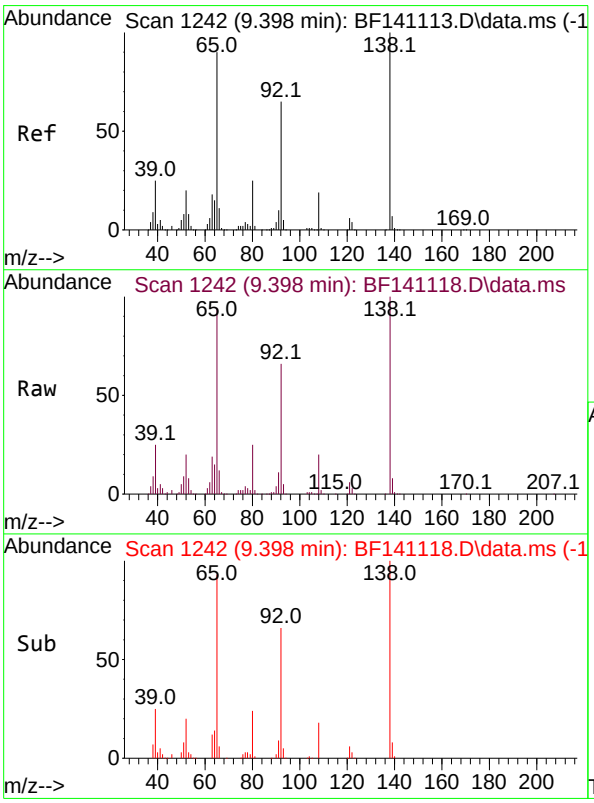

#47
2-Chloronaphthalene
Concen: 56.770 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:162 Resp: 1104069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.7 | 34.6 | 51.8 |
| 164 | 33.2 | 26.5 | 39.7 |

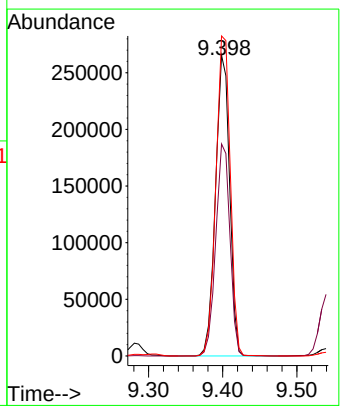


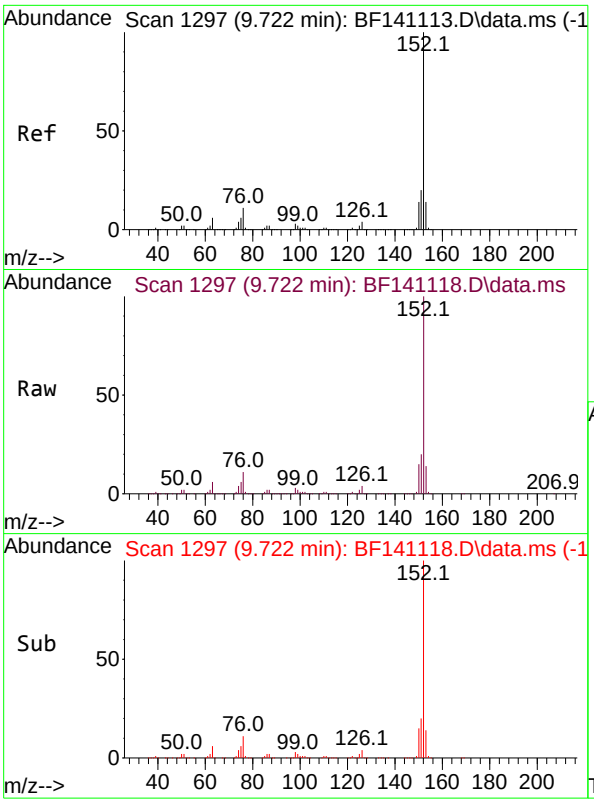




#48
2-Nitroaniline
Concen: 61.027 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion: 65 Resp: 351824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.5 | 58.3 | 87.5 |
| 138 | 106.5 | 89.1 | 133.7 |



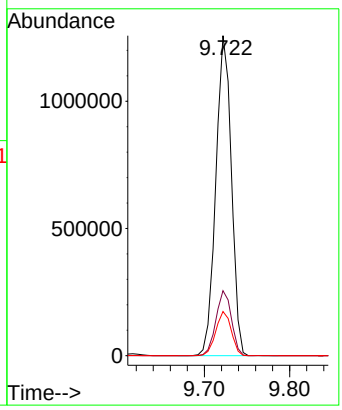


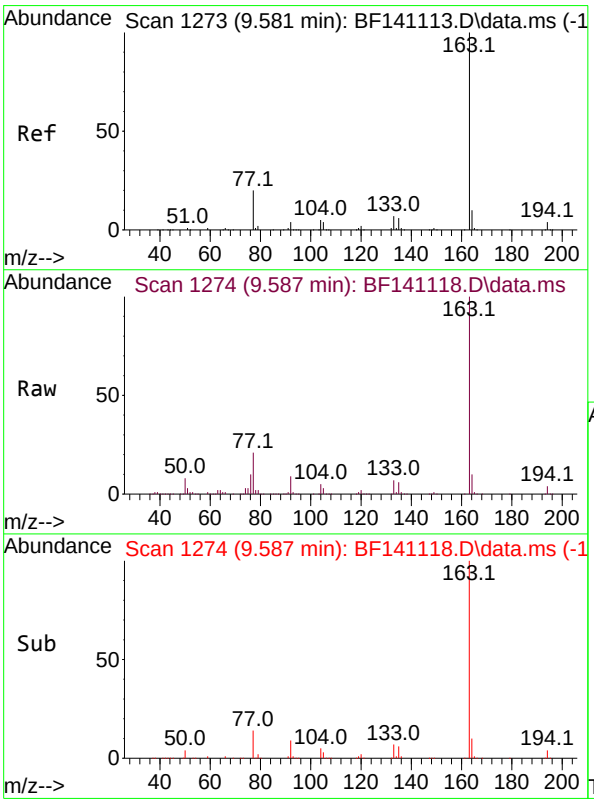

#49
Acenaphthylene
Concen: 57.426 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:152 Resp: 1595599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.1 | 24.1 |
| 153 | 13.8 | 11.1 | 16.7 |

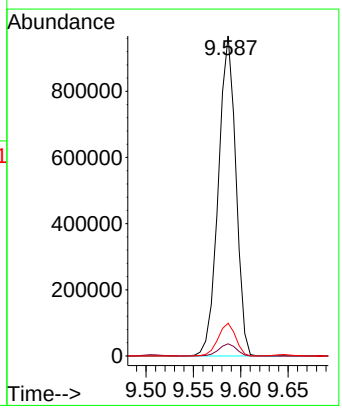


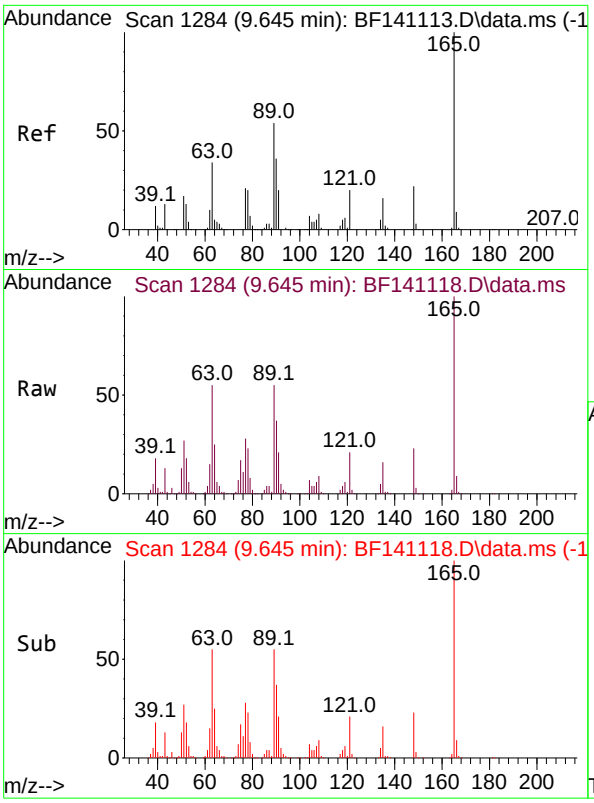




#50
Dimethylphthalate
Concen: 57.746 ng
RT: 9.587 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:163 Resp: 1246443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.6 |
| 164 | 10.2 | 8.2 | 12.4 |



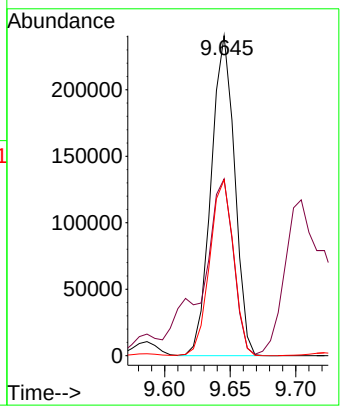


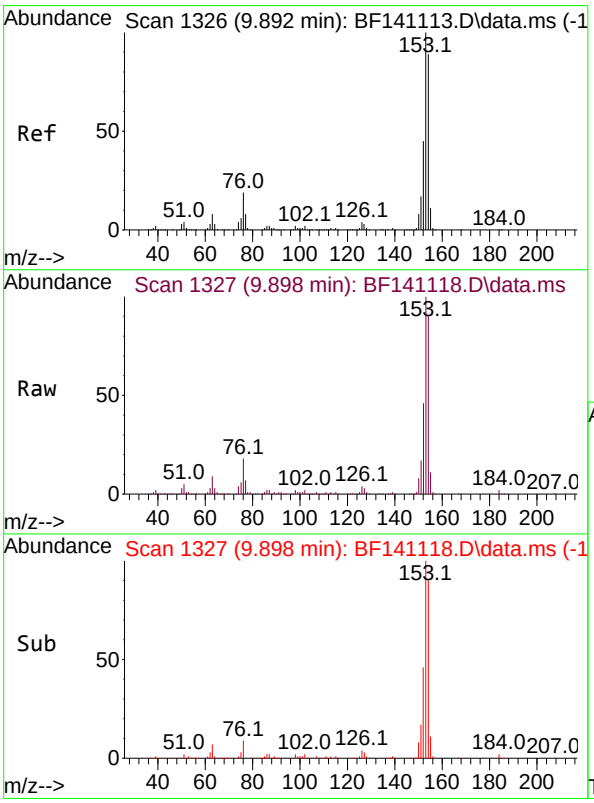

#51
2,6-Dinitrotoluene
Concen: 59.872 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:165 Resp: 300526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 55.3 | 42.3 | 63.5 |
| 89 | 55.0 | 43.1 | 64.7 |

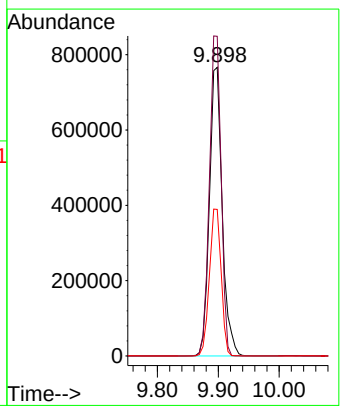


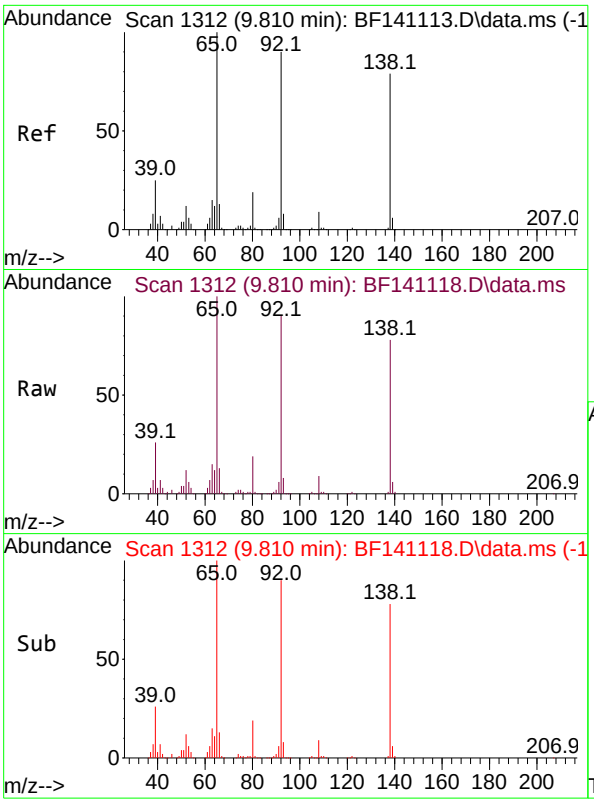




#52
Acenaphthene
Concen: 57.638 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:154 Resp: 1118880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.7 | 89.8 | 134.6 |
| 152 | 50.7 | 40.8 | 61.2 |



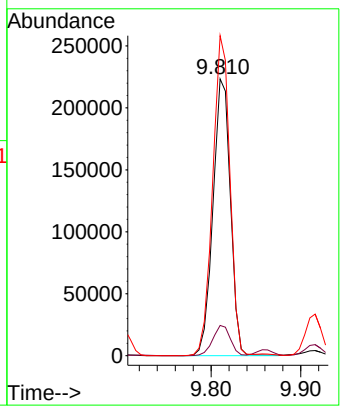


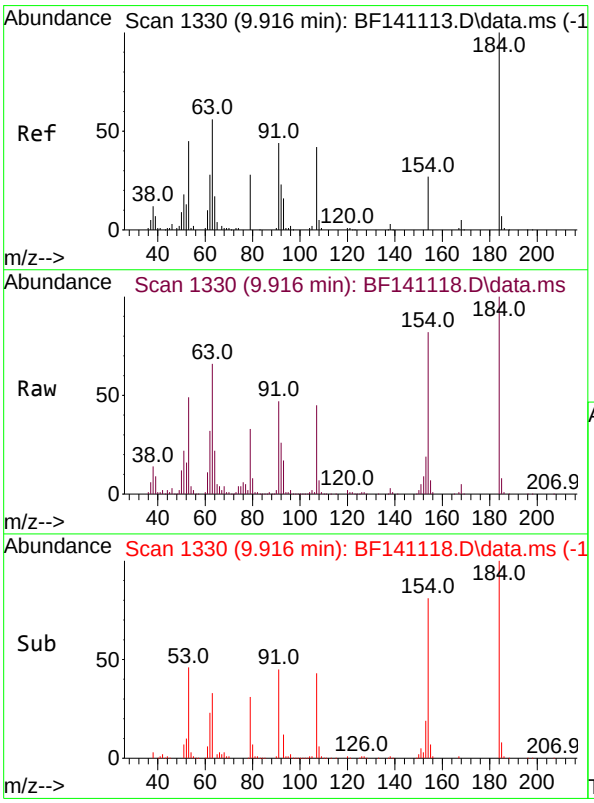

#53
3-Nitroaniline
Concen: 59.064 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:138 Resp: 301277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.0 | 8.8 | 13.2 |
| 92 | 115.6 | 91.3 | 136.9 |

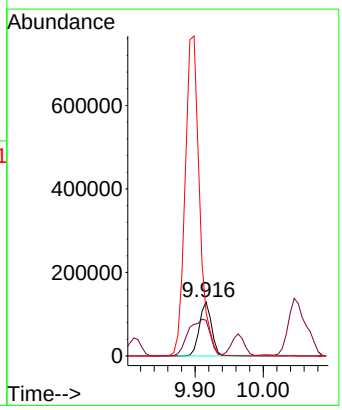


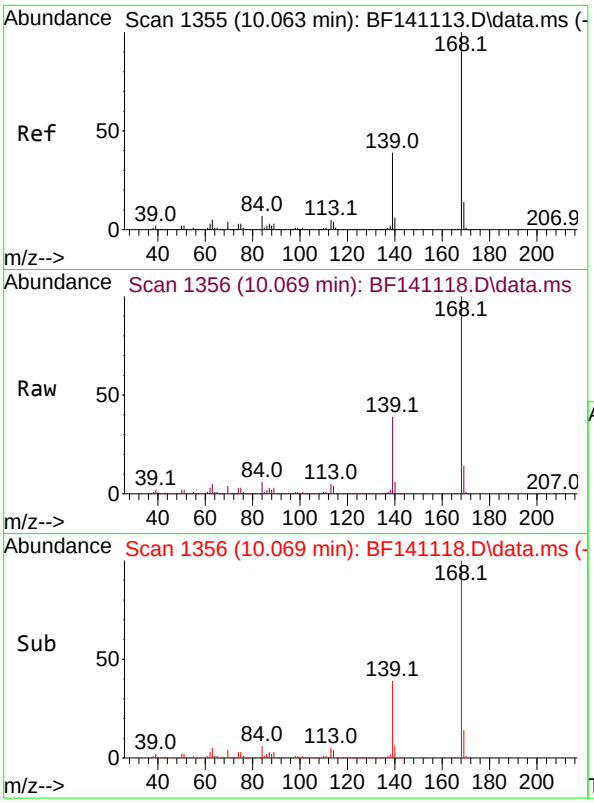




#54
2,4-Dinitrophenol
Concen: 67.324 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:184 Resp: 160627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 66.2 | 48.7 | 73.1 |
| 154 | 81.6 | 57.1 | 85.7 |



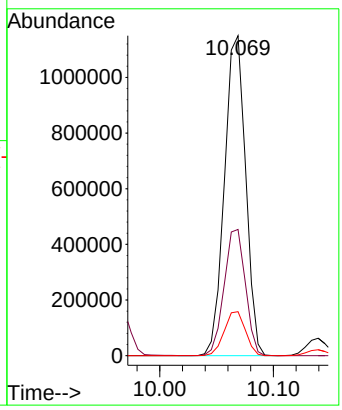


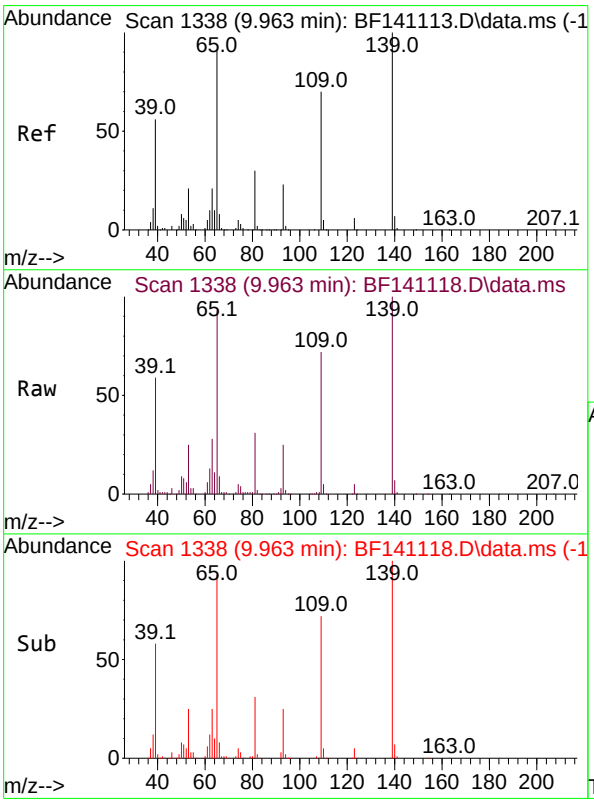

#55
Dibenzofuran
Concen: 56.480 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:168 Resp: 1491333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.4 | 31.4 | 47.0 |
| 169 | 13.7 | 10.9 | 16.3 |

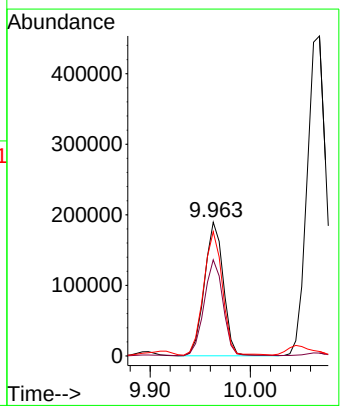


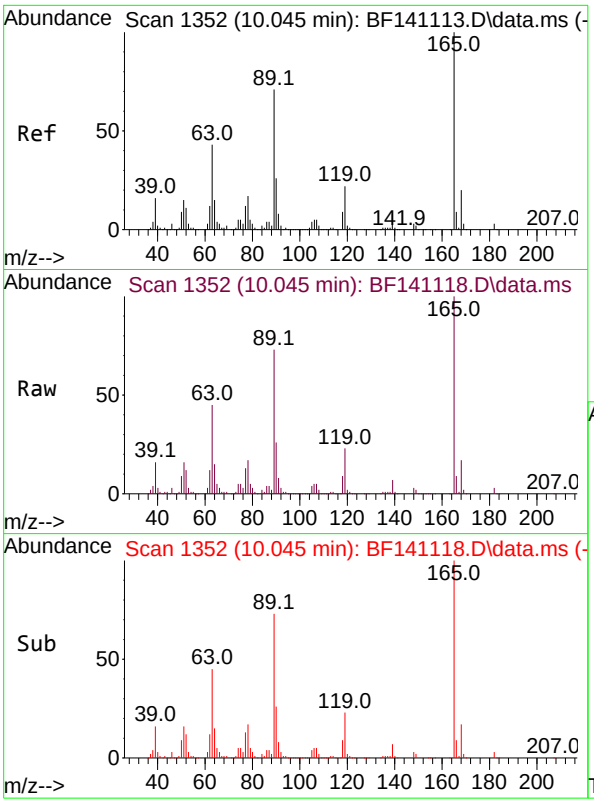




#56
4-Nitrophenol
Concen: 62.231 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:139 Resp: 248603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 71.9 | 50.2 | 90.2 |
| 65 | 93.0 | 72.1 | 112.1 |



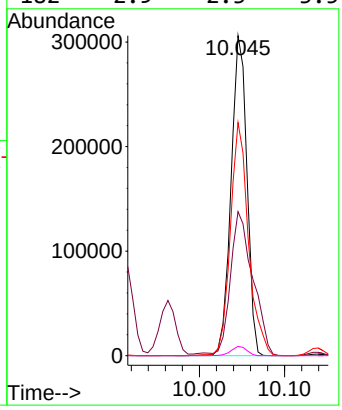


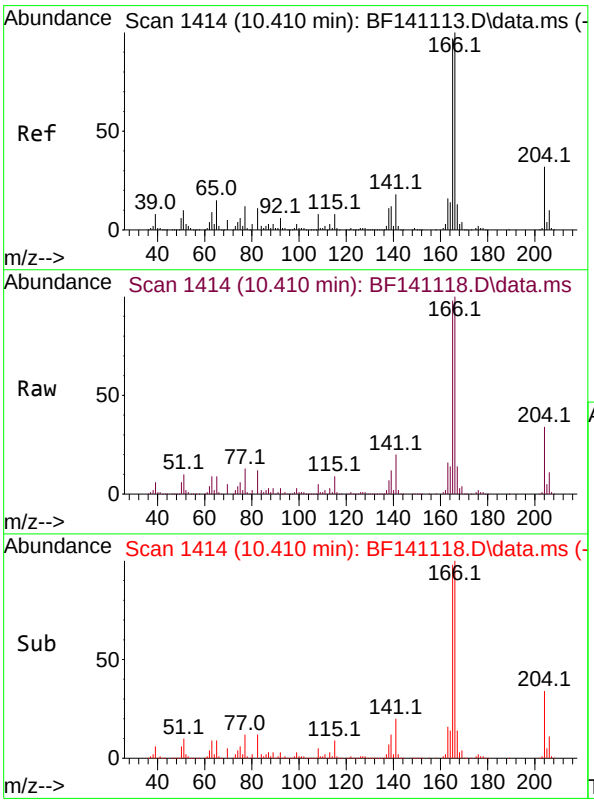

#57
2,4-Dinitrotoluene
Concen: 61.325 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:165 Resp: 396697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 45.0 | 35.0 | 52.4 |
| 89 | 72.9 | 56.7 | 85.1 |
| 182 | 2.9 | 2.3 | 3.5 |

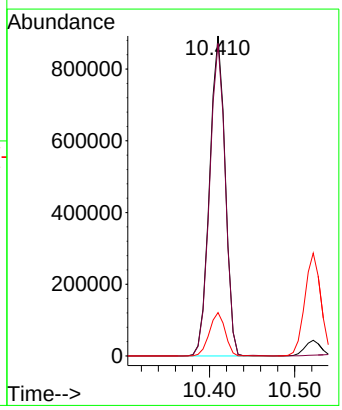


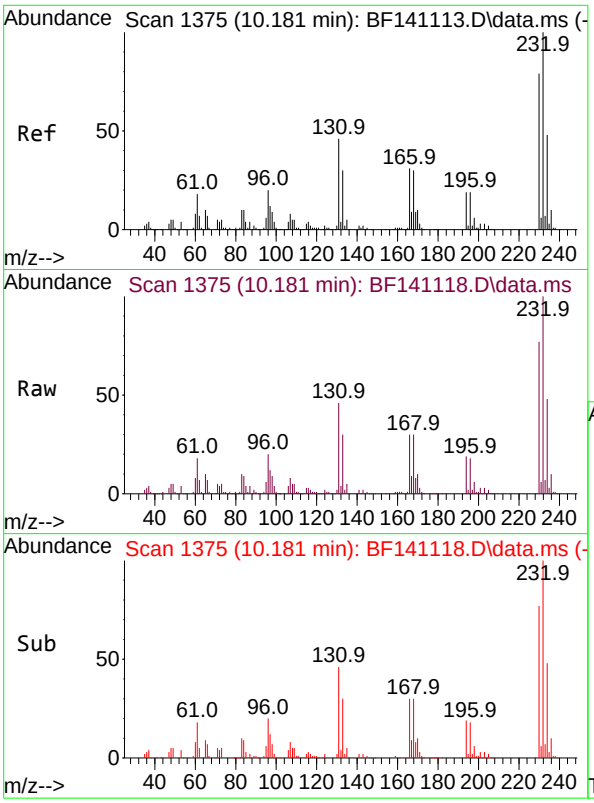




#58
Fluorene
Concen: 55.599 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:166 Resp: 1140533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.7 | 77.8 | 116.8 |
| 167 | 13.6 | 10.8 | 16.2 |



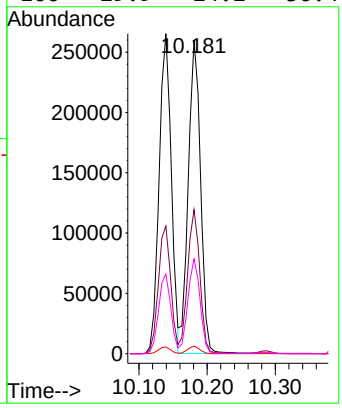


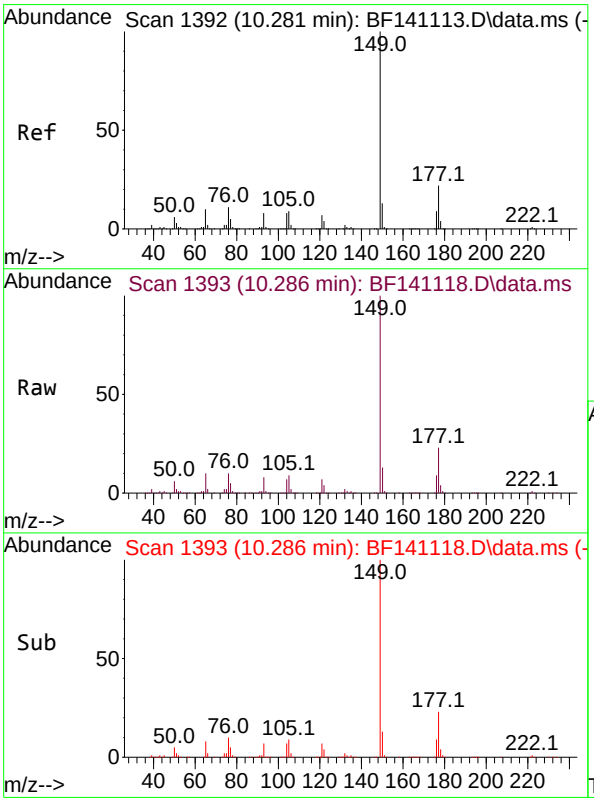

#59
2,3,4,6-Tetrachlorophenol
Concen: 59.450 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:232 Resp: 324822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.7 | 36.2 | 54.4 |
| 130 | 2.3 | 2.0 | 3.0 |
| 166 | 29.9 | 24.2 | 36.4 |

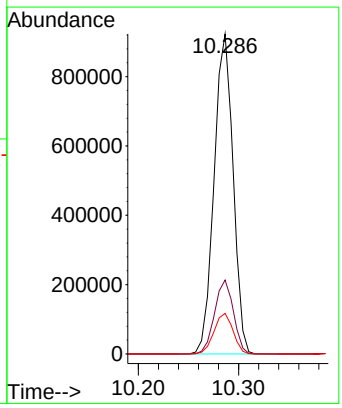


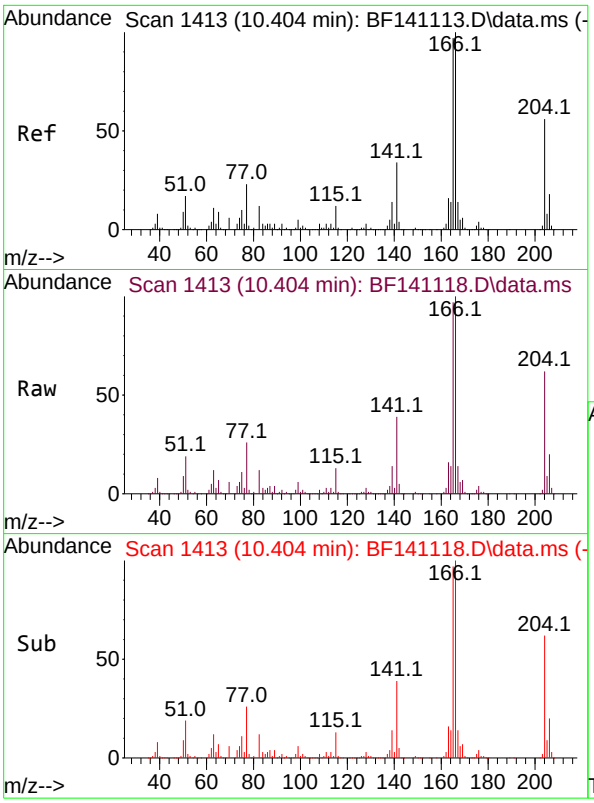




#60
Diethylphthalate
Concen: 57.521 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:149 Resp: 1212103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.1 | 17.9 | 26.9 |
| 150 | 12.7 | 10.2 | 15.2 |



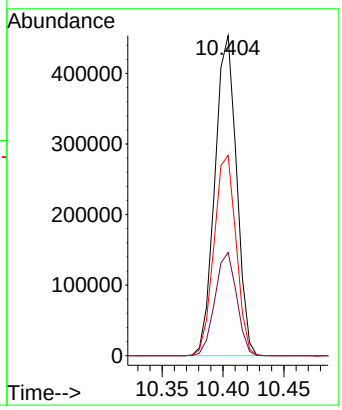


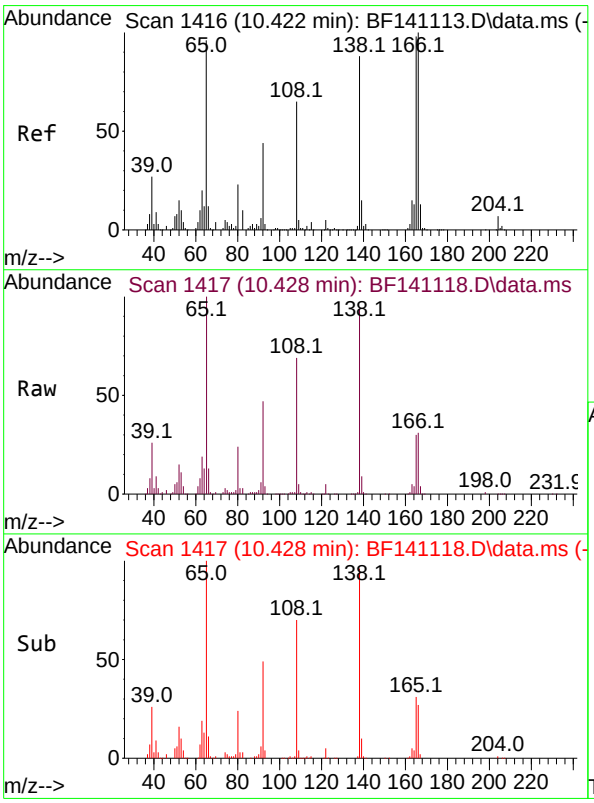

#61
4-Chlorophenyl-phenylether
Concen: 56.322 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:204 Resp: 563117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.2 | 25.9 | 38.9 |
| 141 | 62.6 | 49.1 | 73.7 |

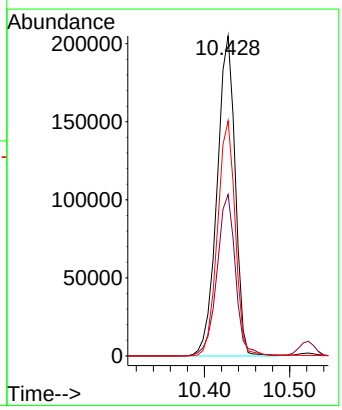


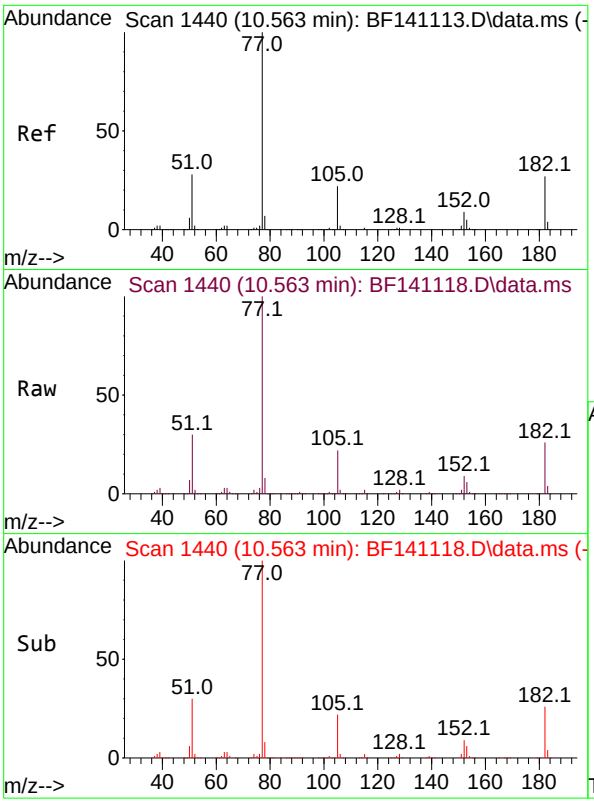




#62
4-Nitroaniline
Concen: 60.783 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:138 Resp: 303457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.4 | 29.4 | 69.4 |
| 108 | 73.5 | 53.7 | 93.7 |



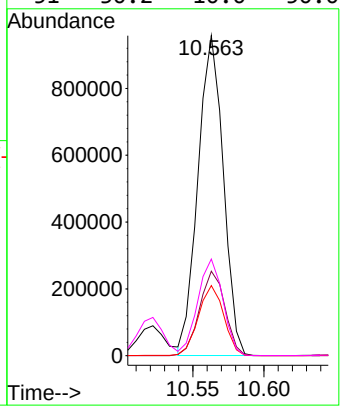


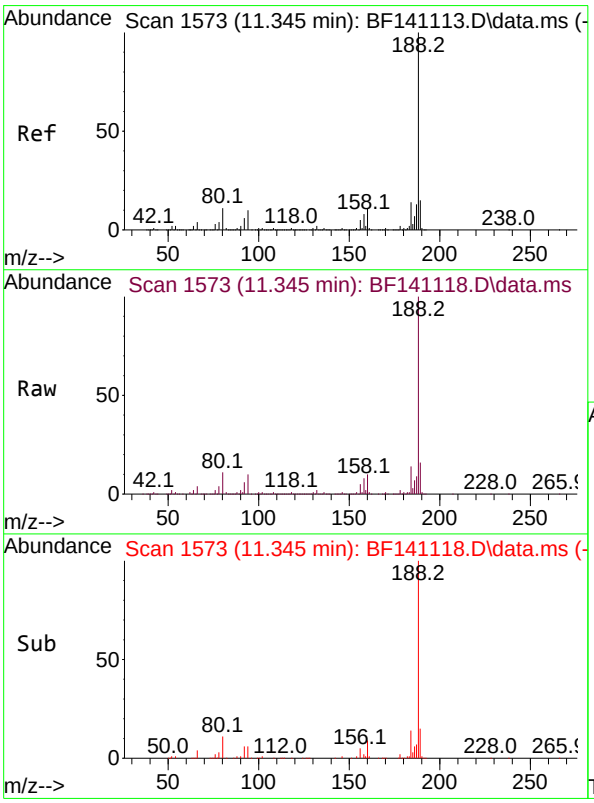

#63
Azobenzene
Concen: 57.188 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 77 Resp: 1189100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.4 | 6.1 | 46.1 |
| 105 | 21.9 | 2.1 | 42.1 |
| 51 | 30.2 | 10.0 | 50.0 |

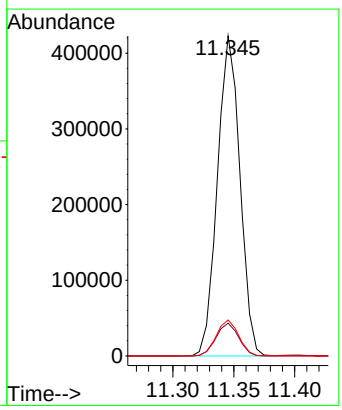


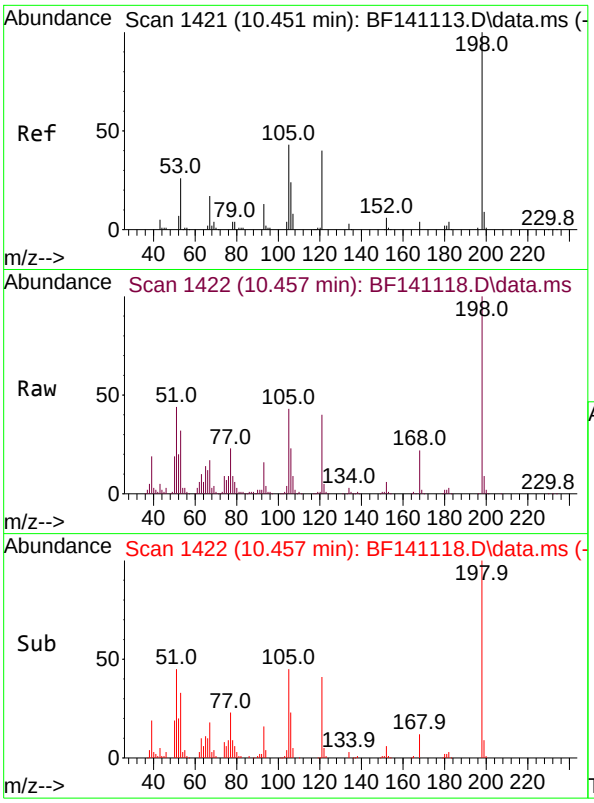




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:188 Resp: 544574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.2 | 8.3 | 12.5 |
| 80 | 11.3 | 9.0 | 13.4 |



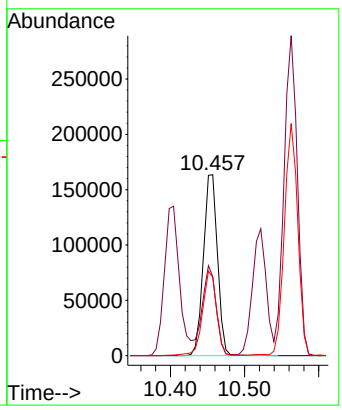


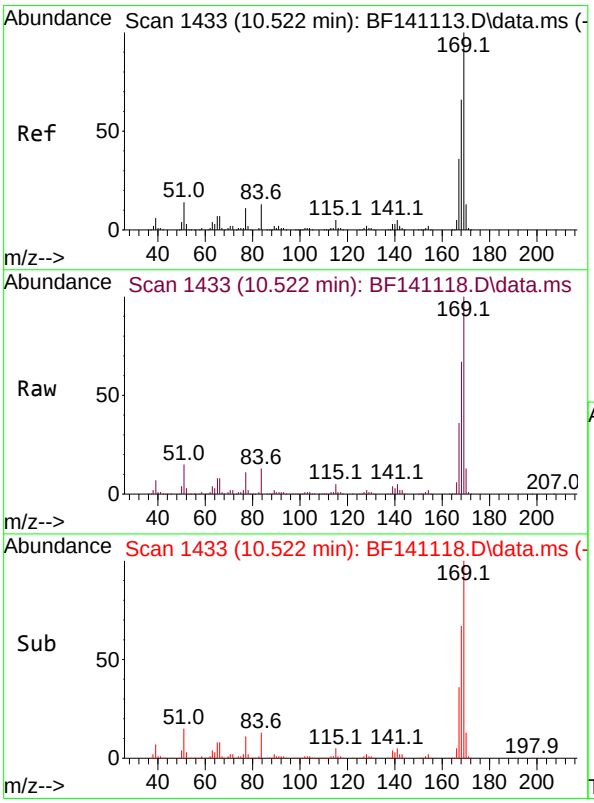

#65
4,6-Dinitro-2-methylphenol
Concen: 68.532 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:198 Resp: 216263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 43.7 | 27.1 | 67.1 |
| 105 | 43.3 | 24.2 | 64.2 |

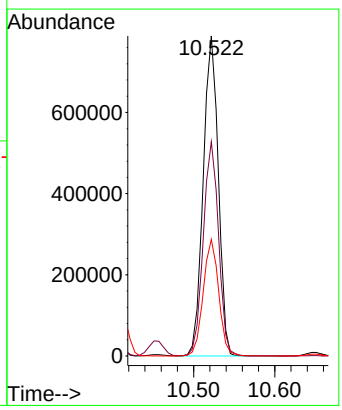


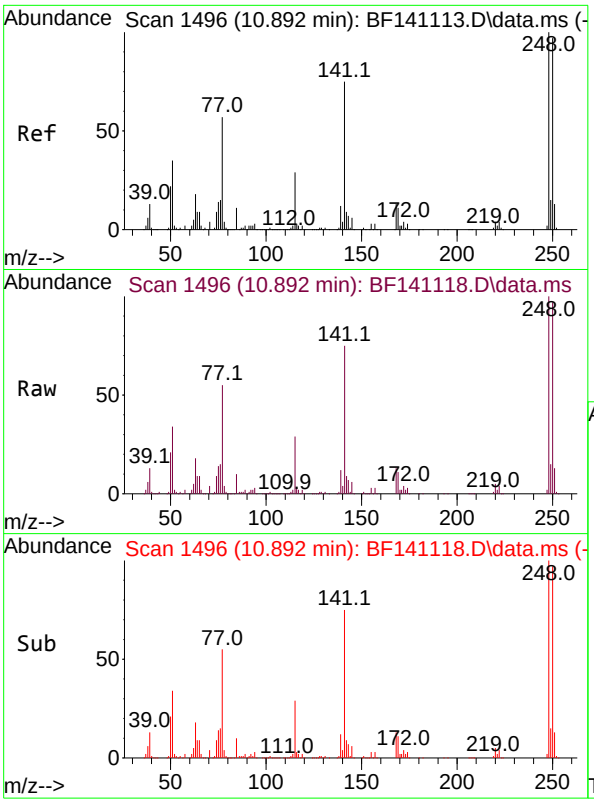




#66
n-Nitrosodiphenylamine
Concen: 57.856 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:169 Resp: 1016238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.0 | 52.5 | 78.7 |
| 167 | 36.4 | 28.9 | 43.3 |



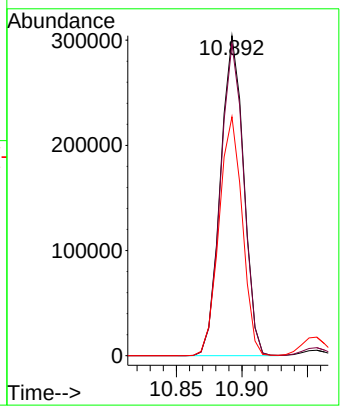


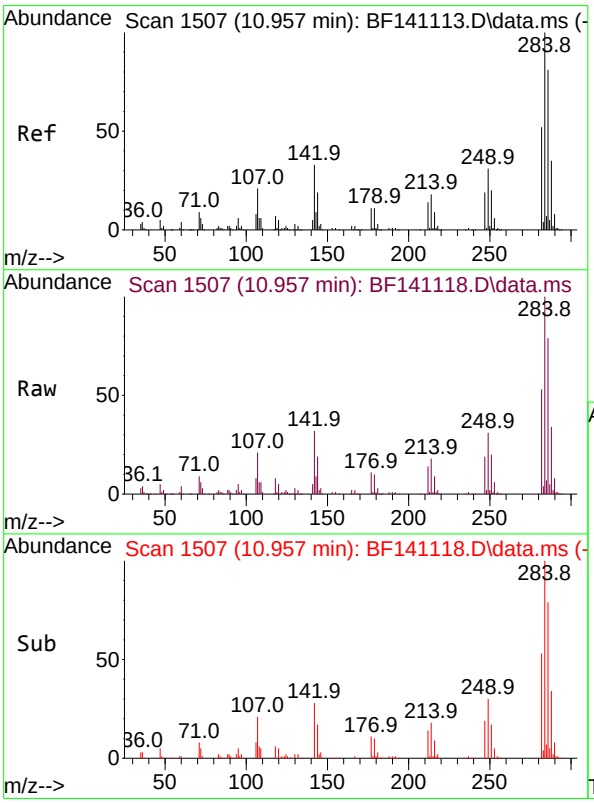

#67
4-Bromophenyl-phenylether
Concen: 59.581 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:248 Resp: 373557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.4 | 77.9 | 116.9 |
| 141 | 74.7 | 59.9 | 89.9 |

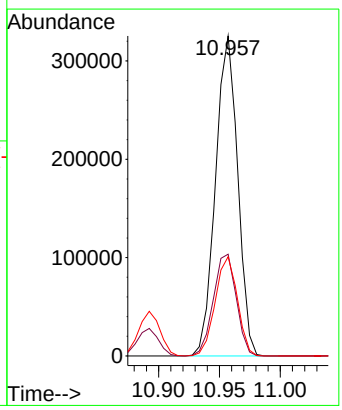


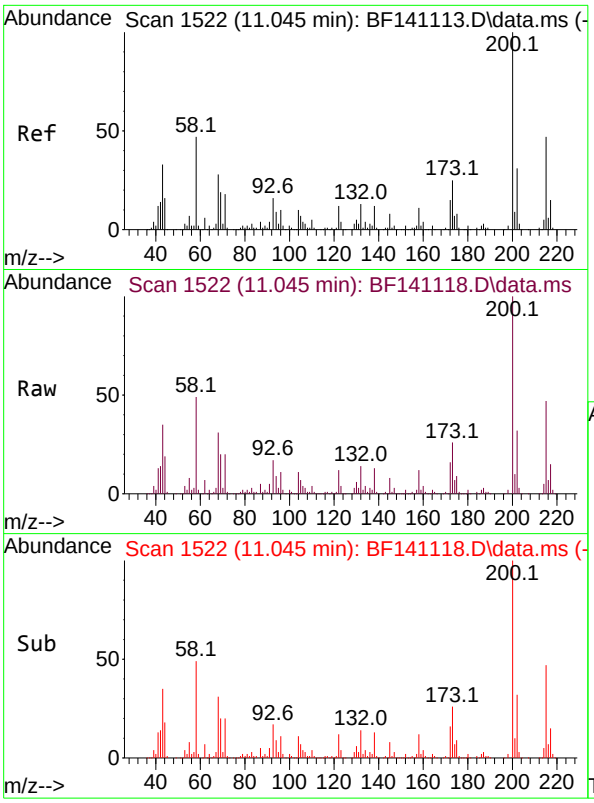




#68
Hexachlorobenzene
Concen: 59.066 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:284 Resp: 412239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.8 | 26.3 | 39.5 |
| 249 | 31.0 | 24.9 | 37.3 |



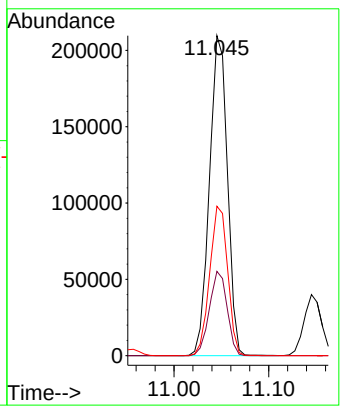


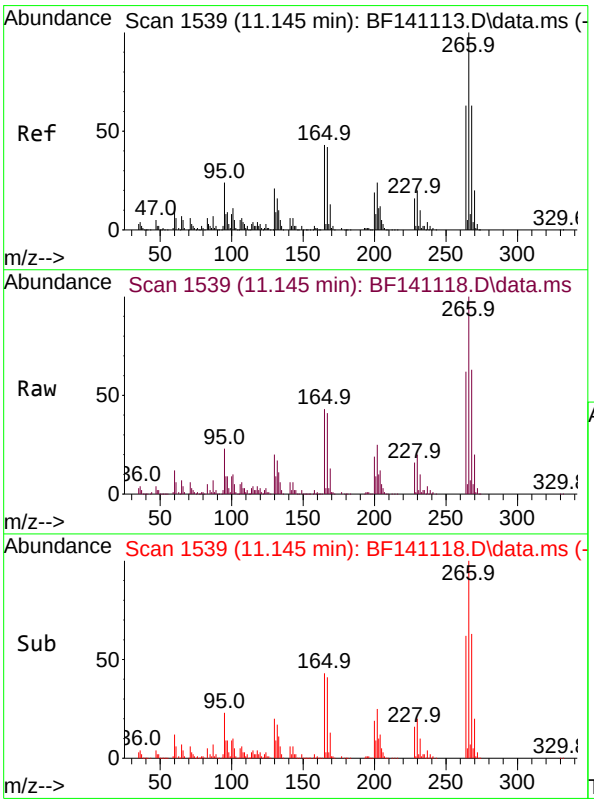

#69
Atrazine
Concen: 58.231 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:200 Resp: 275405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.4 | 5.4 | 45.4 |
| 215 | 46.7 | 26.6 | 66.6 |

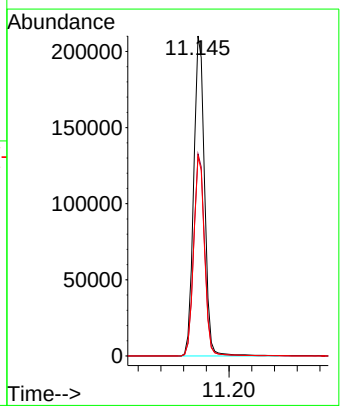


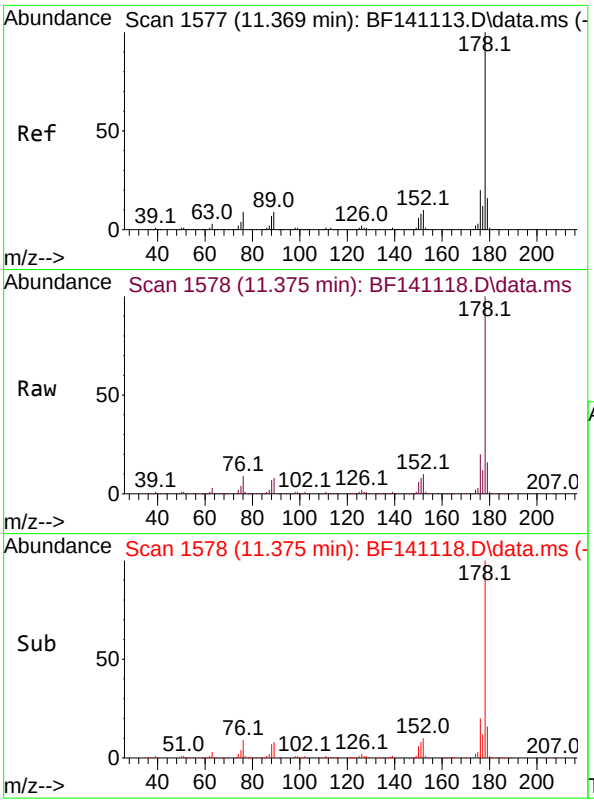




#70
Pentachlorophenol
Concen: 62.662 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:266 Resp: 280071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.1 | 50.4 | 75.6 |
| 264 | 62.4 | 50.2 | 75.2 |



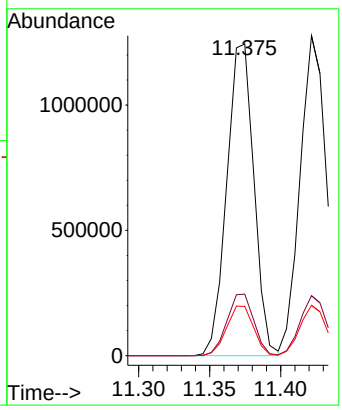


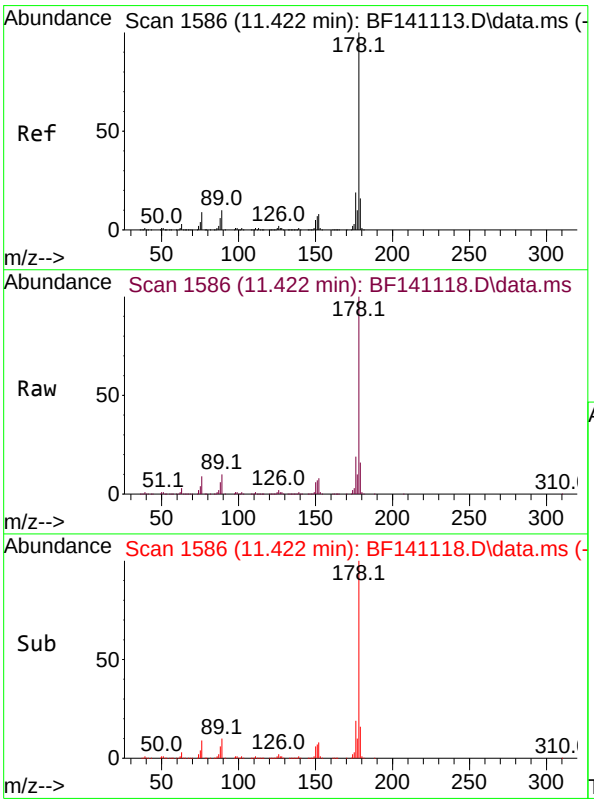

#71
Phenanthrene
Concen: 56.525 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:178 Resp: 1652586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 15.7 | 23.5 |
| 179 | 15.8 | 12.6 | 19.0 |

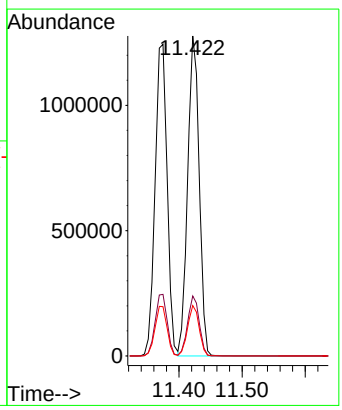


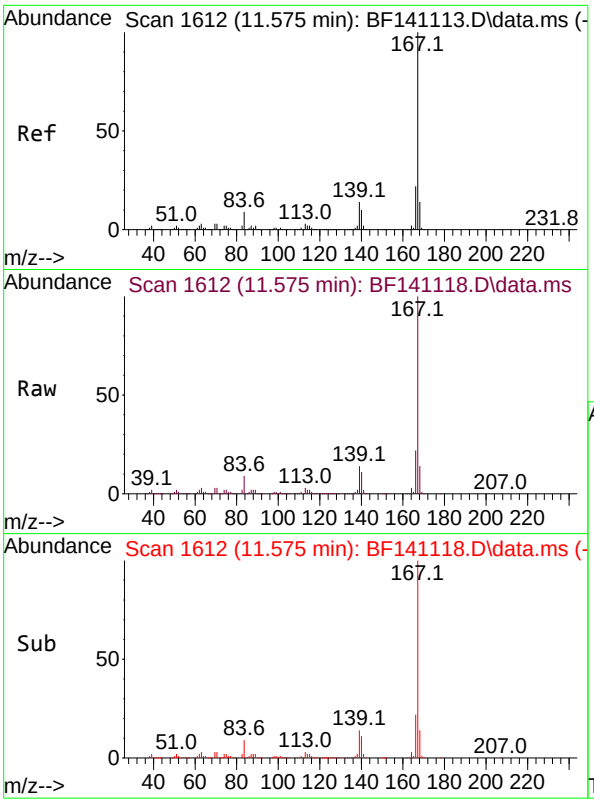




#72
Anthracene
Concen: 57.297 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:178 Resp: 1628828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 14.9 | 22.3 |
| 179 | 15.7 | 12.6 | 19.0 |



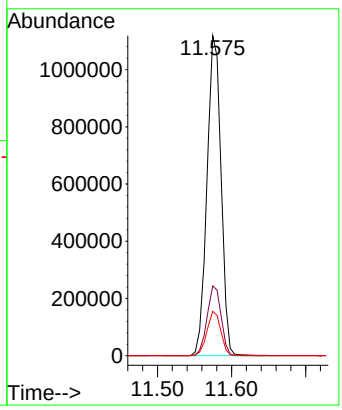


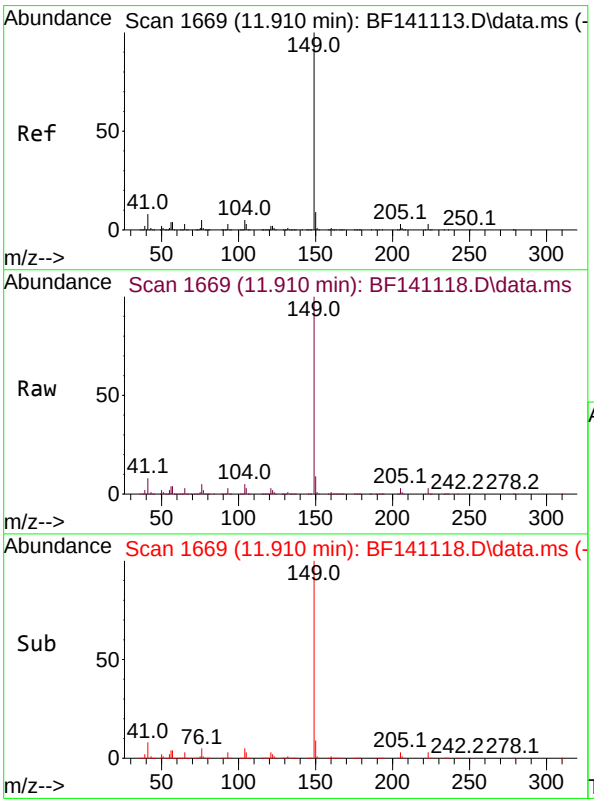

#73
Carbazole
Concen: 56.440 ng
RT: 11.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:167 Resp: 1471188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.4 | 26.2 |
| 139 | 13.8 | 10.9 | 16.3 |

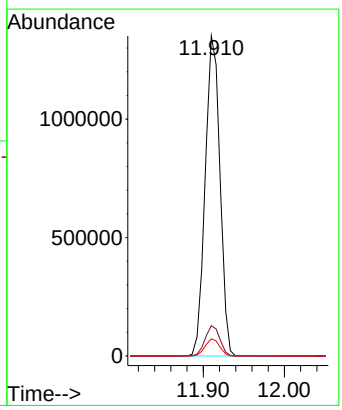


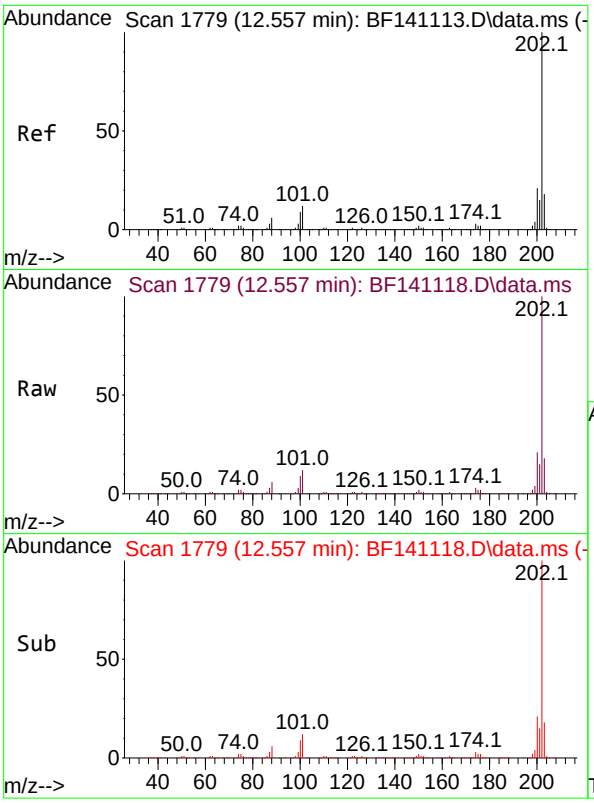




#74
Di-n-butylphthalate
Concen: 57.105 ng
RT: 11.910 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:149 Resp: 1703503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.5 | 7.4 | 11.2 |
| 104 | 5.4 | 4.2 | 6.2 |



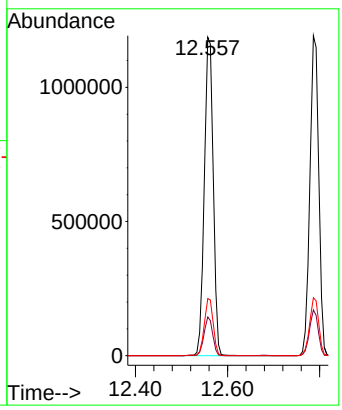


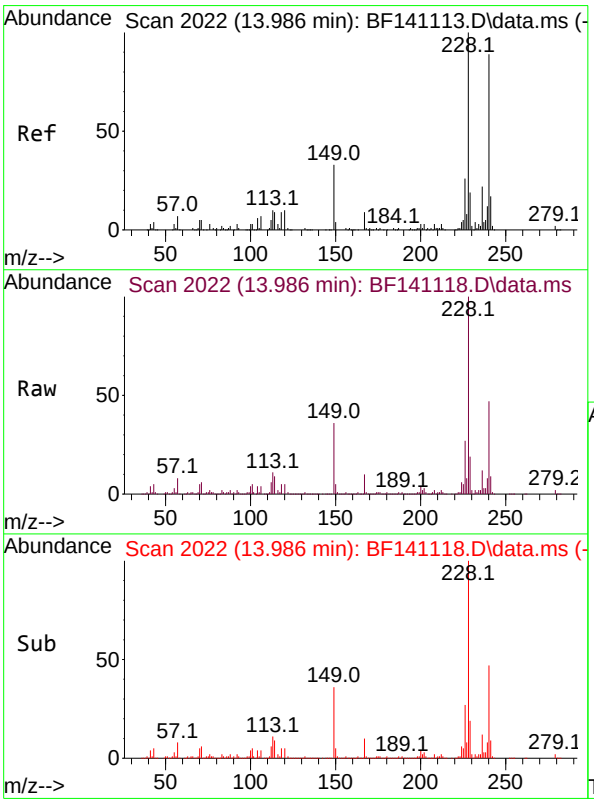

#75
Fluoranthene
Concen: 55.261 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:202 Resp: 1612262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.2 | 0.0 | 32.3 |
| 203 | 18.0 | 0.0 | 37.7 |

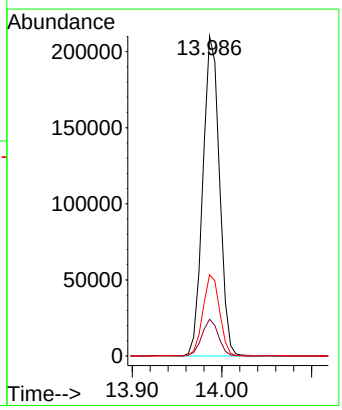


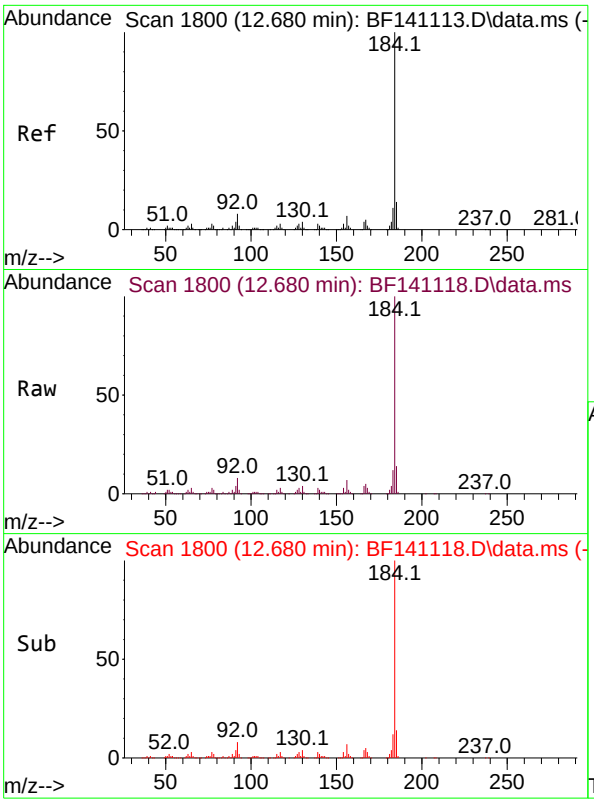




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:240 Resp: 270448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.4 | 9.1 | 13.7 |
| 236 | 25.4 | 19.8 | 29.6 |



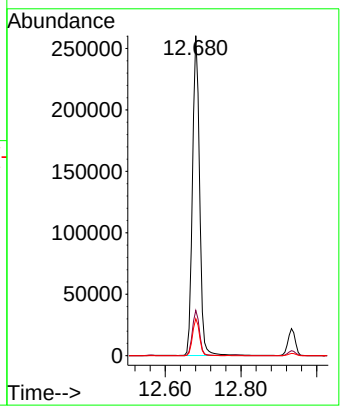


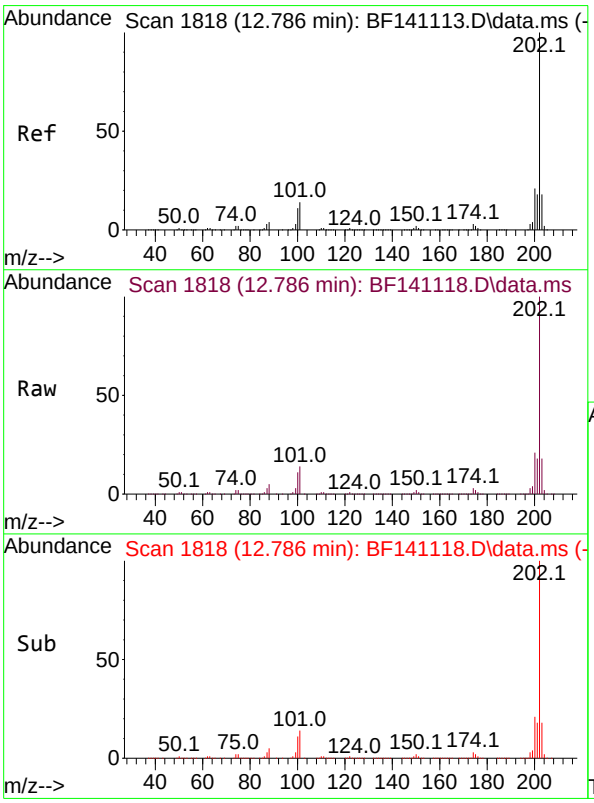

#77
Benzidine
Concen: 67.645 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:184 Resp: 339258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.1 | 11.4 | 17.0 |
| 183 | 11.6 | 9.2 | 13.8 |

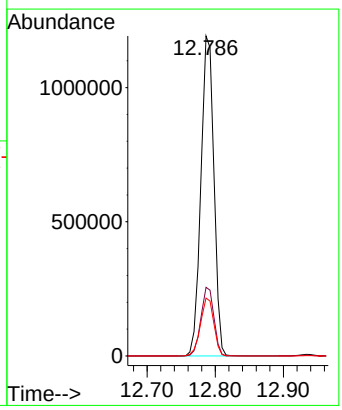


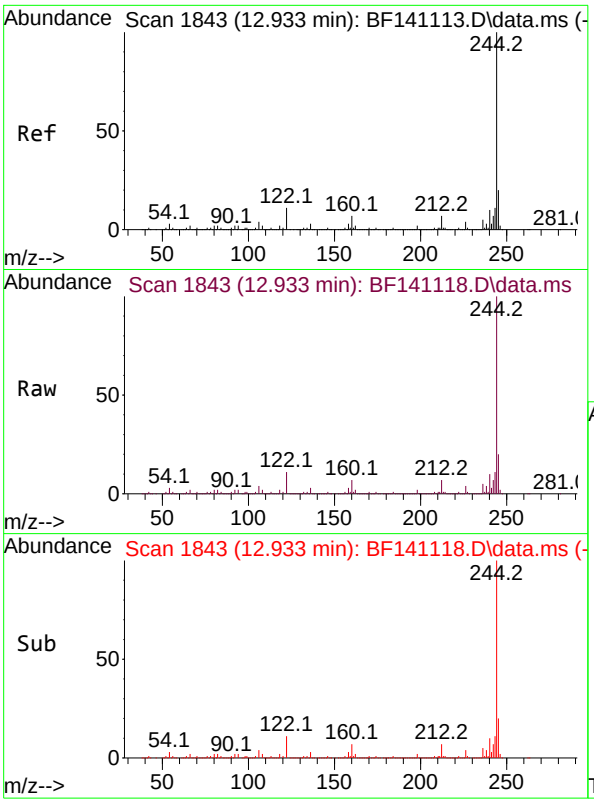




#78
Pyrene
Concen: 61.407 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:202 Resp: 1586225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.4 | 16.8 | 25.2 |
| 203 | 18.1 | 14.3 | 21.5 |



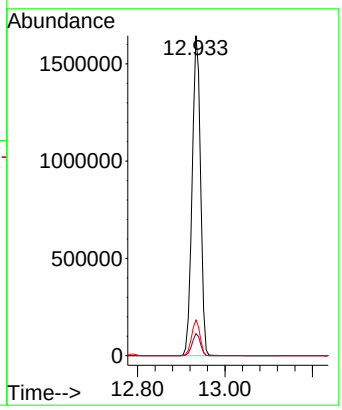


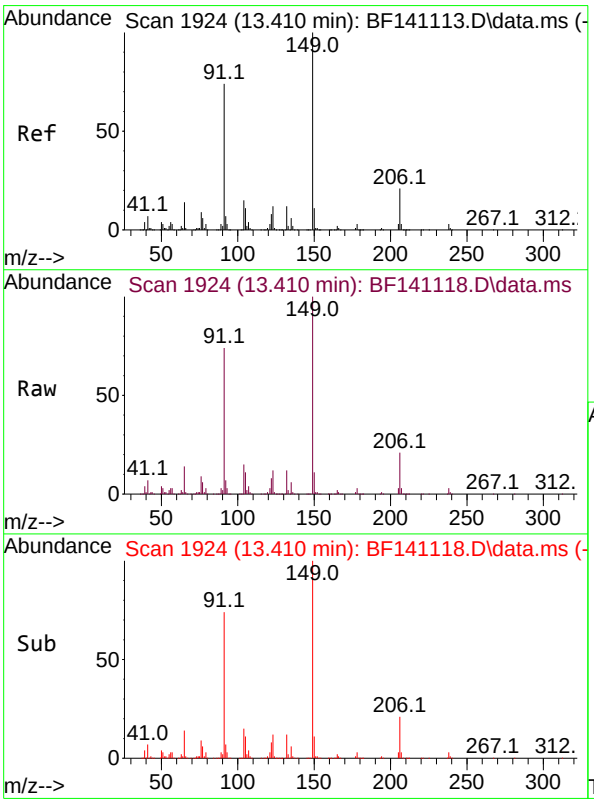

#79
Terphenyl-d14
Concen: 120.552 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:244 Resp: 2193567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.4 | 8.2 |
| 122 | 11.2 | 8.8 | 13.2 |

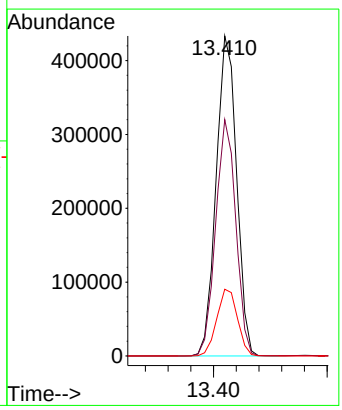


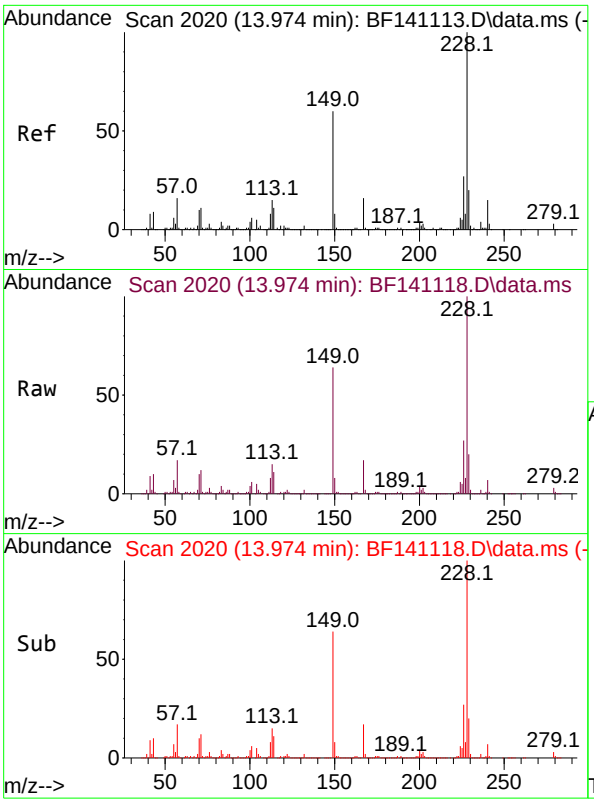




#80
Butylbenzylphthalate
Concen: 62.995 ng
RT: 13.410 min Scan# 1924
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:149 Resp: 542533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 73.9 | 59.0 | 88.6 |
| 206 | 20.9 | 16.5 | 24.7 |



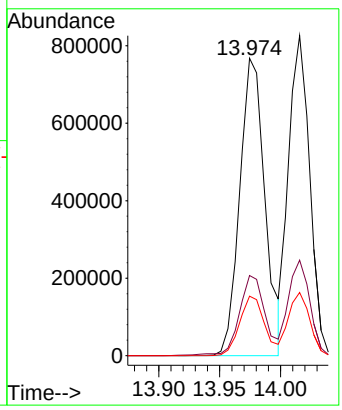


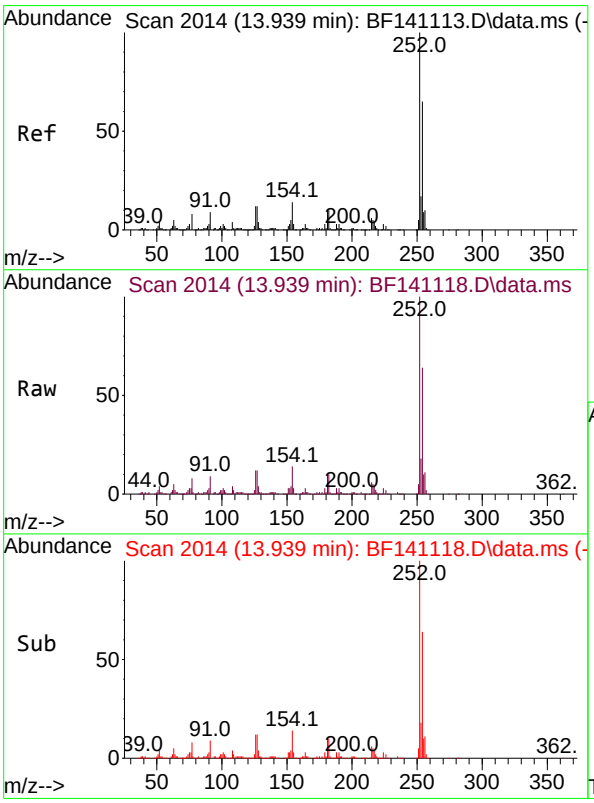

#81
Benzo(a)anthracene
Concen: 60.261 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:228 Resp: 1109142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 21.7 | 32.5 |
| 229 | 20.0 | 15.7 | 23.5 |

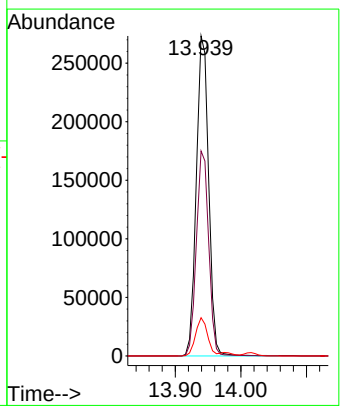


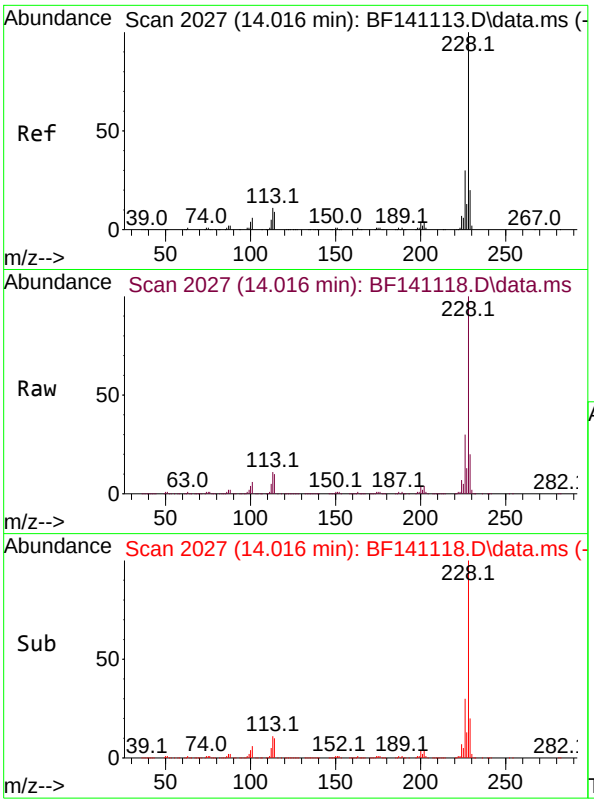




#82
3,3'-Dichlorobenzidine
Concen: 61.050 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:252 Resp: 357792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.1 | 52.0 | 78.0 |
| 126 | 12.0 | 9.4 | 14.0 |



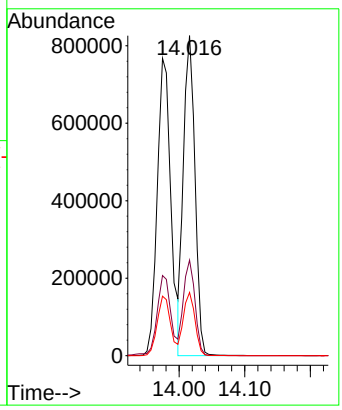


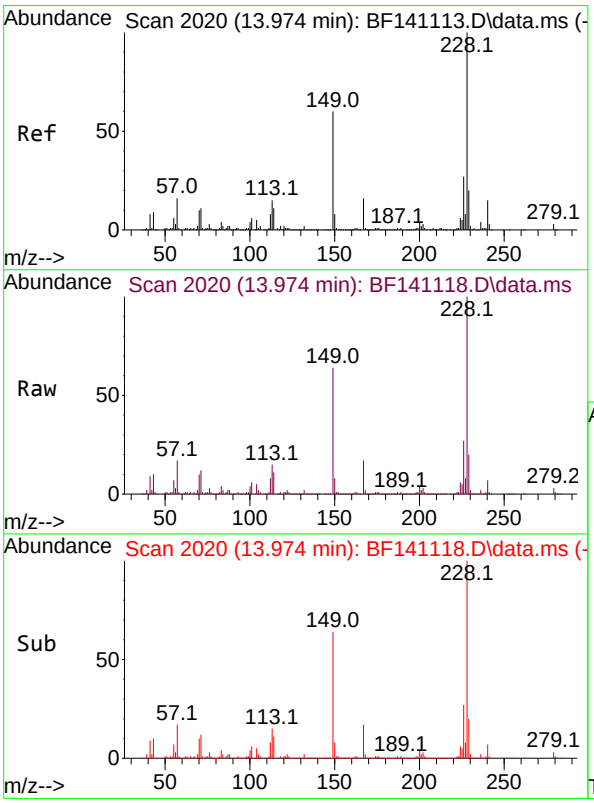

#83
Chrysene
Concen: 58.332 ng
RT: 14.016 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:228 Resp: 1004586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 23.8 | 35.8 |
| 229 | 19.8 | 15.8 | 23.8 |

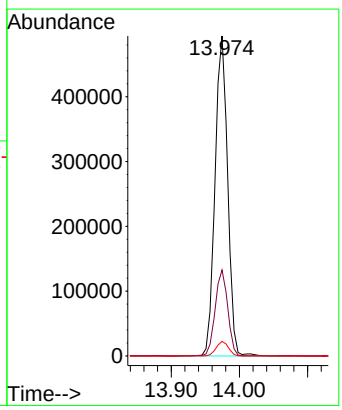


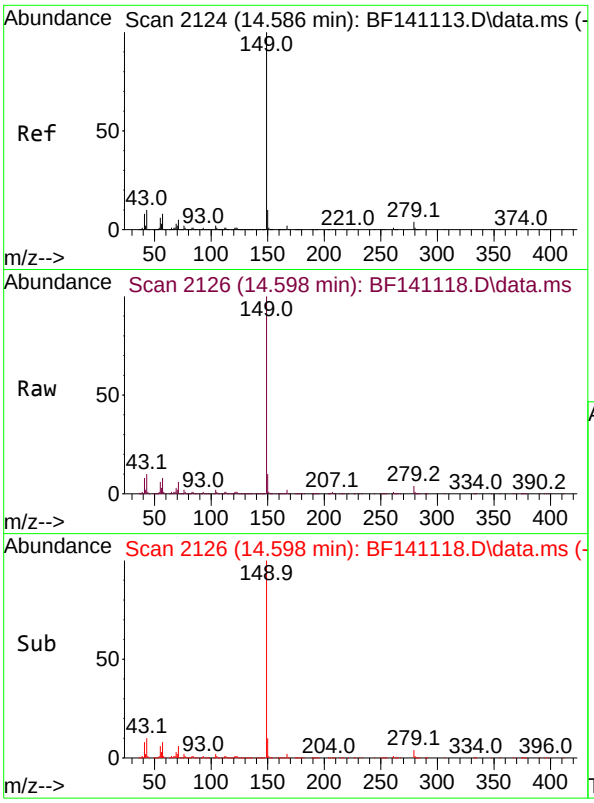




#84
Bis(2-ethylhexyl)phthalate
Concen: 61.496 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:149 Resp: 635471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.8 | 21.4 | 32.2 |
| 279 | 4.5 | 3.4 | 5.2 |



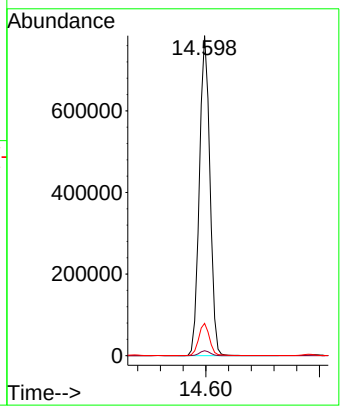


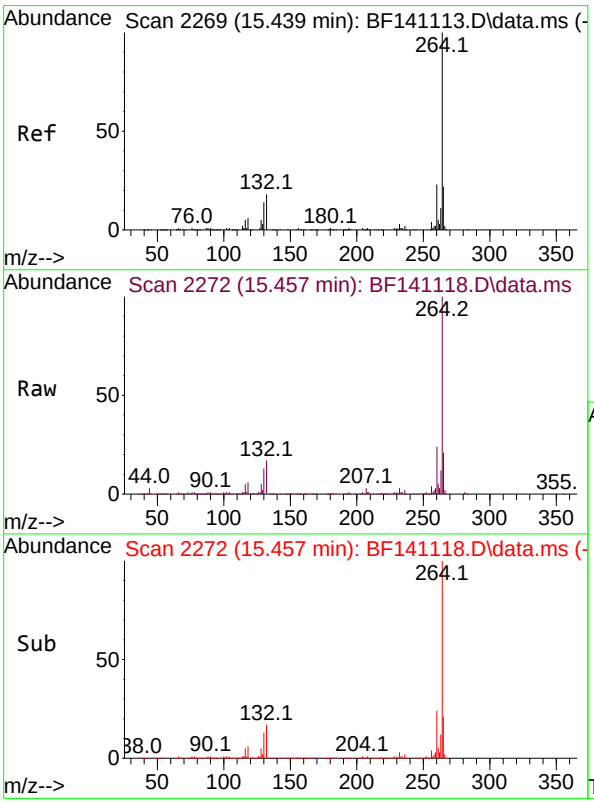

#85
Di-n-octyl phthalate
Concen: 64.657 ng
RT: 14.598 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:149 Resp: 1008931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 10.3 | 8.4 | 12.6 |

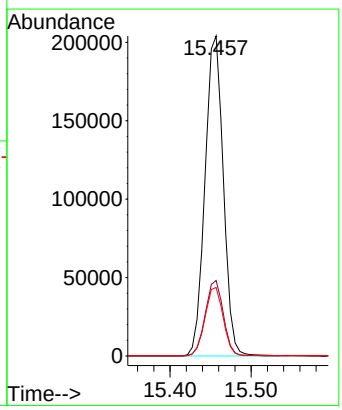


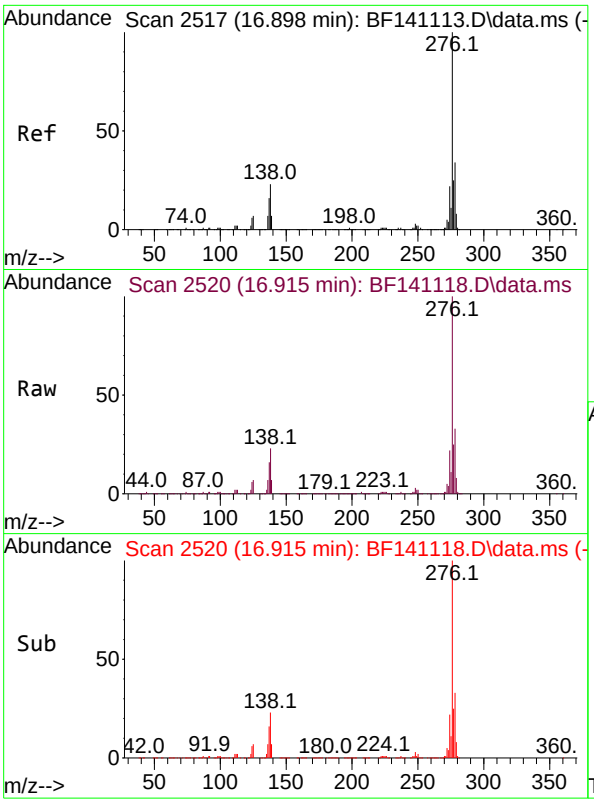




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.018 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:264 Resp: 319464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.6 | 28.0 |
| 265 | 21.4 | 17.4 | 26.0 |



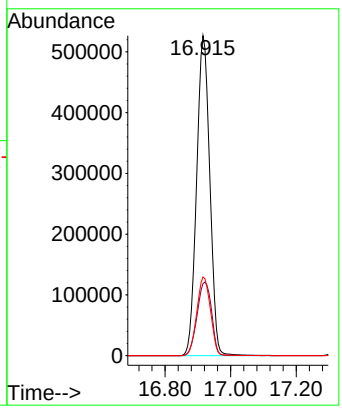


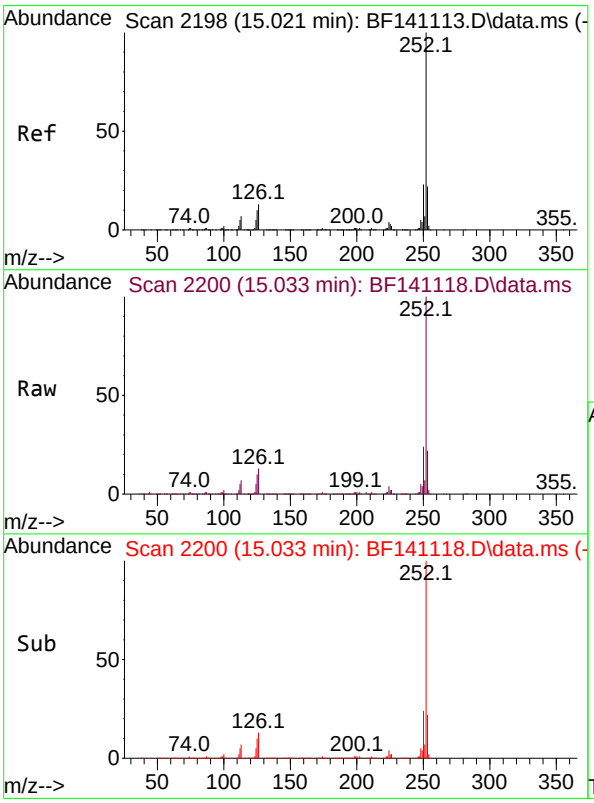

#87
Indeno(1,2,3-cd)pyrene
Concen: 63.034 ng
RT: 16.915 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:276 Resp: 1475298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.3 | 20.7 | 31.1 |
| 277 | 25.5 | 20.6 | 30.8 |

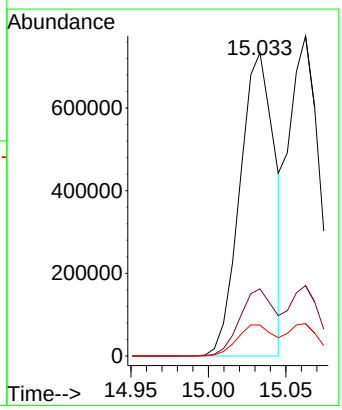


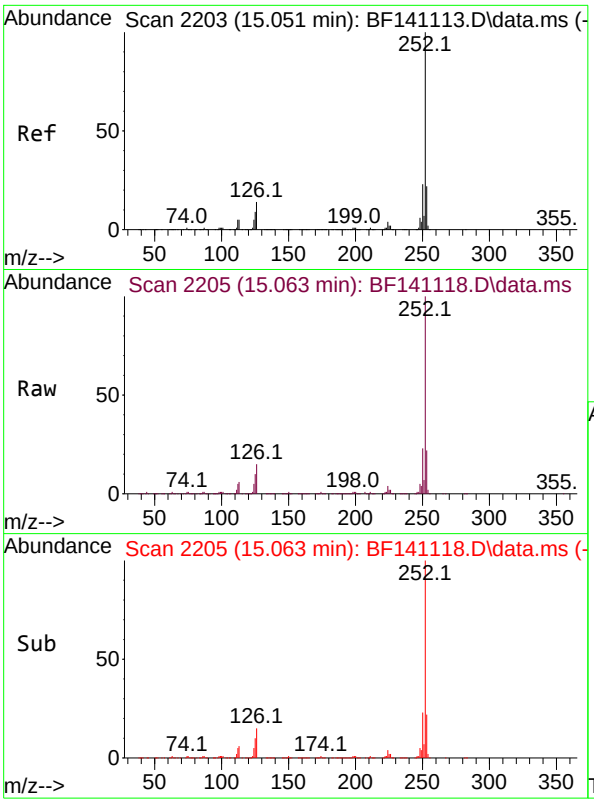




#88
Benzo(b)fluoranthene
Concen: 55.395 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.012 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:252 Resp: 1141152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.8 | 26.6 |
| 125 | 10.2 | 8.1 | 12.1 |



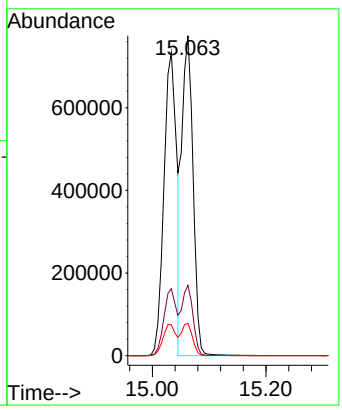


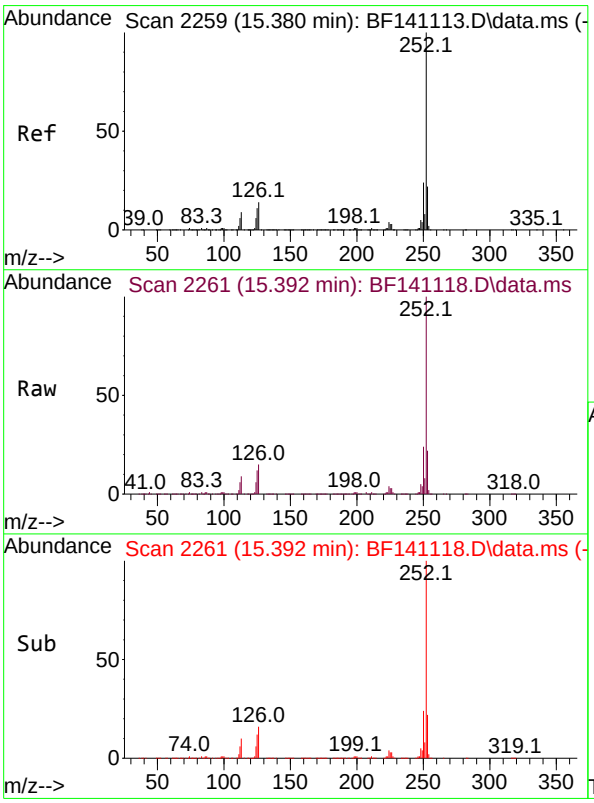

#89
Benzo(k)fluoranthene
Concen: 60.741 ng
RT: 15.063 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:252 Resp: 1057429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.8 | 26.8 |
| 125 | 10.1 | 7.9 | 11.9 |

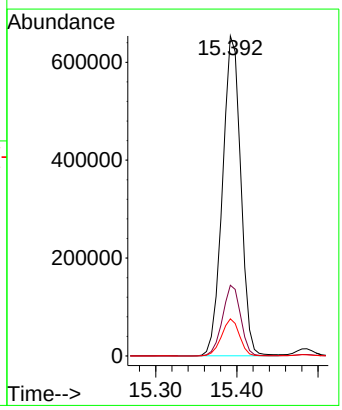


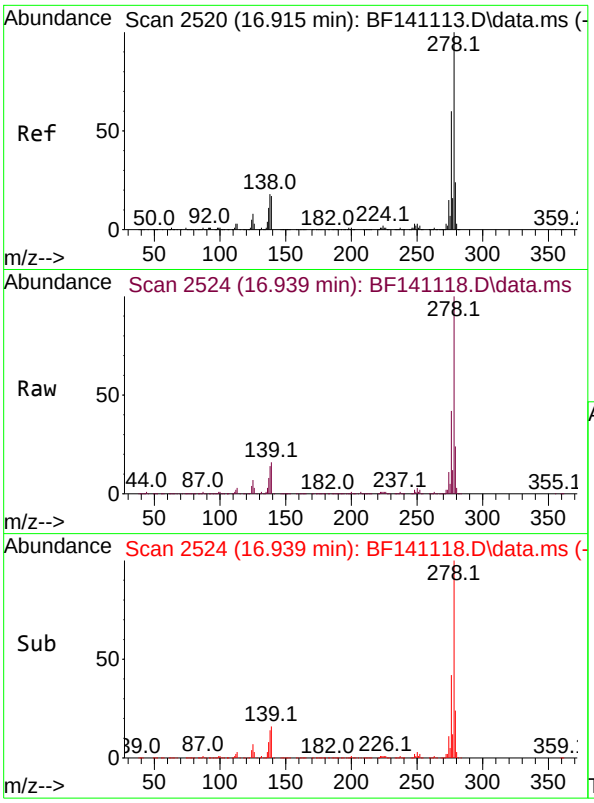




#90
Benzo(a)pyrene
Concen: 60.139 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.012 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:252 Resp: 1022132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.7 | 26.5 |
| 125 | 11.6 | 9.1 | 13.7 |



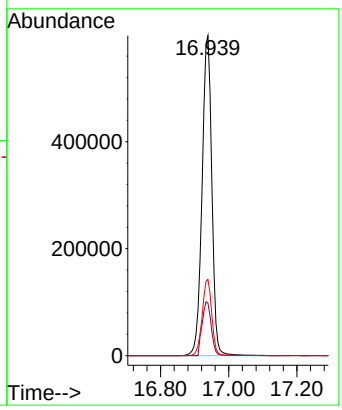


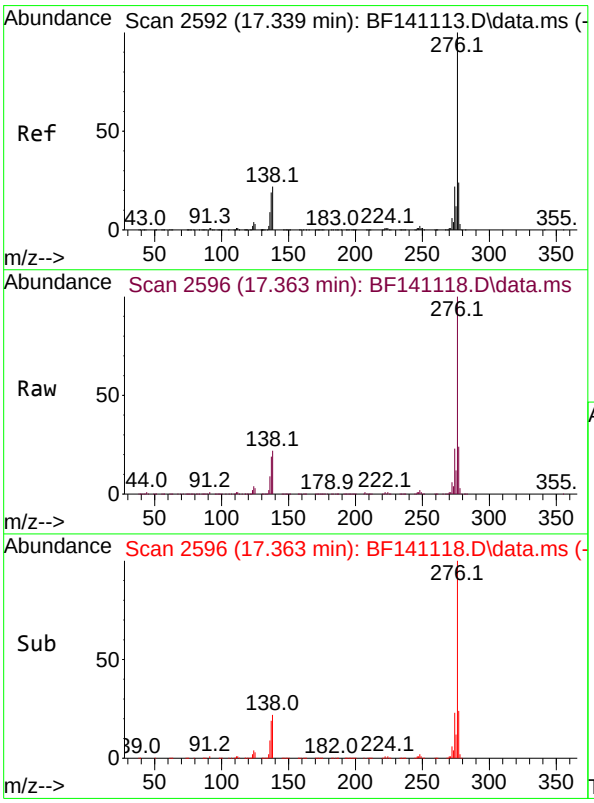

#91
Dibenzo(a,h)anthracene
Concen: 63.146 ng
RT: 16.939 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:278 Resp: 1195359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.4 | 13.8 | 20.6 |
| 279 | 23.9 | 19.1 | 28.7 |

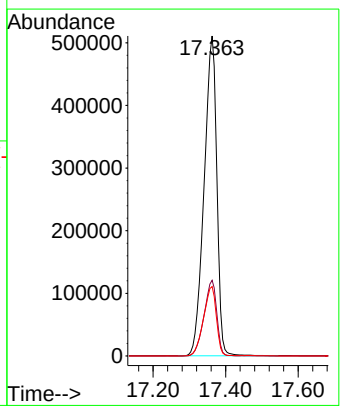



#92
Benzo(g,h,i)perylene
Concen: 63.068 ng
RT: 17.363 min Scan# 2596
Delta R.T. 0.024 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:276 Resp: 1241806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 19.0 | 28.4 |
| 138 | 21.7 | 17.4 | 26.2 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141119.D
Acq On : 10 Jan 2025 17:45
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Jan 10 22:24:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 172282 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 648826 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.863 | 164 | 342460 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 584387 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.992 | 240 | 310879 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.451 | 264 | 395988 | 20.000 | ng | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.428 | 112 | 1544552 | 138.495 | ng | | 0.00 |
| 7) Phenol-d6 | 6.457 | 99 | 2004230 | 141.874 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.392 | 82 | 1813409 | 148.154 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.651 | 330 | 601438 | 154.132 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.186 | 172 | 2997639 | 133.666 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 2895506 | 138.433 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.540 | 88 | 361586 | 72.808 | ng | | 100 |
| 3) Pyridine | 3.287 | 79 | 855609 | 70.255 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.252 | 42 | 443709 | 74.512 | ng | | 99 |
| 6) Aniline | 6.487 | 93 | 842164m | 67.145 | ng | | |
| 8) 2-Chlorophenol | 6.610 | 128 | 844417 | 70.573 | ng | | 99 |
| 10) Phenol | 6.469 | 94 | 1067075 | 70.563 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 6.563 | 93 | 811905 | 72.042 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.763 | 146 | 945224 | 70.831 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.840 | 146 | 944179 | 70.211 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.998 | 146 | 854029 | 68.083 | ng | | 98 |
| 15) Benzyl Alcohol | 6.969 | 79 | 722113 | 70.781 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098 | 45 | 1129914 | 71.848 | ng | | 98 |
| 17) 2-Methylphenol | 7.075 | 107 | 707657 | 73.257 | ng | | 99 |
| 18) Hexachloroethane | 7.334 | 117 | 349146 | 71.795 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.245 | 70 | 588783 | 70.753 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.234 | 107 | 813265 | 66.732 | ng | # | 83 |
| 22) Acetophenone | 7.239 | 105 | 1083059 | 70.218 | ng | # | 98 |
| 24) Nitrobenzene | 7.410 | 77 | 943483 | 73.960 | ng | | 99 |
| 25) Isophorone | 7.651 | 82 | 1571424 | 75.124 | ng | | 99 |
| 26) 2-Nitrophenol | 7.722 | 139 | 463267 | 79.834 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.757 | 122 | 594544 | 75.959 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.857 | 93 | 977334 | 74.449 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.963 | 162 | 689420 | 74.162 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 776721 | 73.098 | ng | | 100 |
| 31) Naphthalene | 8.128 | 128 | 2411578 | 70.480 | ng | | 99 |
| 32) Benzoic acid | 7.898 | 122 | 648810 | 86.411 | ng | | 98 |
| 33) 4-Chloroaniline | 8.187 | 127 | 860135 | 72.688 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 467194 | 72.969 | ng | | 99 |
| 35) Caprolactam | 8.569 | 113 | 236127 | 77.436 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.657 | 107 | 760692 | 74.822 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 1544153 | 70.820 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 1507881 | 70.172 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.986 | 216 | 712407 | 72.478 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 249944 | 77.724 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 516551 | 77.920 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.133 | 196 | 516966 | 73.839 | ng | | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141119.D
Acq On : 10 Jan 2025 17:45
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Jan 10 22:24:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 9.286 | 154 | 1854615 | 69.734 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.310 | 162 | 1478014 | 71.352 | ng | 99 |
| 48) 2-Nitroaniline | 9.404 | 65 | 475269 | 77.400 | ng | 98 |
| 49) Acenaphthylene | 9.728 | 152 | 2110029 | 71.297 | ng | 99 |
| 50) Dimethylphthalate | 9.592 | 163 | 1688321 | 73.435 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.651 | 165 | 403325 | 75.439 | ng | 98 |
| 52) Acenaphthene | 9.898 | 154 | 1487806 | 71.956 | ng | 99 |
| 53) 3-Nitroaniline | 9.816 | 138 | 404031 | 74.366 | ng | 100 |
| 54) 2,4-Dinitrophenol | 9.922 | 184 | 233623 | 91.933 | ng | 96 |
| 55) Dibenzofuran | 10.069 | 168 | 1972541 | 70.137 | ng | 99 |
| 56) 4-Nitrophenol | 9.969 | 139 | 339082 | 79.690 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 10.051 | 165 | 533647 | 77.452 | ng | 98 |
| 58) Fluorene | 10.410 | 166 | 1493903 | 68.372 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.186 | 232 | 428499 | 73.631 | ng | 99 |
| 60) Diethylphthalate | 10.286 | 149 | 1624226 | 72.366 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204 | 739051 | 69.400 | ng | 98 |
| 62) 4-Nitroaniline | 10.433 | 138 | 404093 | 75.992 | ng | 97 |
| 63) Azobenzene | 10.563 | 77 | 1597886 | 72.150 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198 | 299726 | 88.510 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 10.522 | 169 | 1340718 | 71.129 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 502690 | 74.715 | ng | 100 |
| 68) Hexachlorobenzene | 10.957 | 284 | 557705 | 74.464 | ng | 100 |
| 69) Atrazine | 11.051 | 200 | 322778 | 63.598 | ng | 100 |
| 70) Pentachlorophenol | 11.151 | 266 | 373762 | 77.927 | ng | 99 |
| 71) Phenanthrene | 11.375 | 178 | 2186474 | 69.691 | ng | 100 |
| 72) Anthracene | 11.427 | 178 | 2122167 | 69.565 | ng | 99 |
| 73) Carbazole | 11.580 | 167 | 1946776 | 69.597 | ng | 99 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 2240405 | 69.986 | ng | 99 |
| 75) Fluoranthene | 12.563 | 202 | 2156966 | 68.895 | ng | 99 |
| 77) Benzidine | 12.680 | 184 | 535121 | 92.821 | ng | 99 |
| 78) Pyrene | 12.792 | 202 | 2138910 | 72.034 | ng | 99 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 775127 | 78.297 | ng | 99 |
| 81) Benzo(a)anthracene | 13.980 | 228 | 1574387 | 74.414 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.945 | 252 | 557682 | 82.781 | ng | 100 |
| 83) Chrysene | 14.016 | 228 | 1492065 | 75.370 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149 | 885991 | 74.589 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.598 | 149 | 1604851 | 89.471 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.921 | 276 | 2176761 | 75.032 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.033 | 252 | 1830448 | 71.685 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.063 | 252 | 1701343 | 78.843 | ng | 99 |
| 90) Benzo(a)pyrene | 15.398 | 252 | 1594959 | 75.707 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 16.945 | 278 | 1723136 | 73.436 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.368 | 276 | 1664293 | 68.190 | ng | 99 |

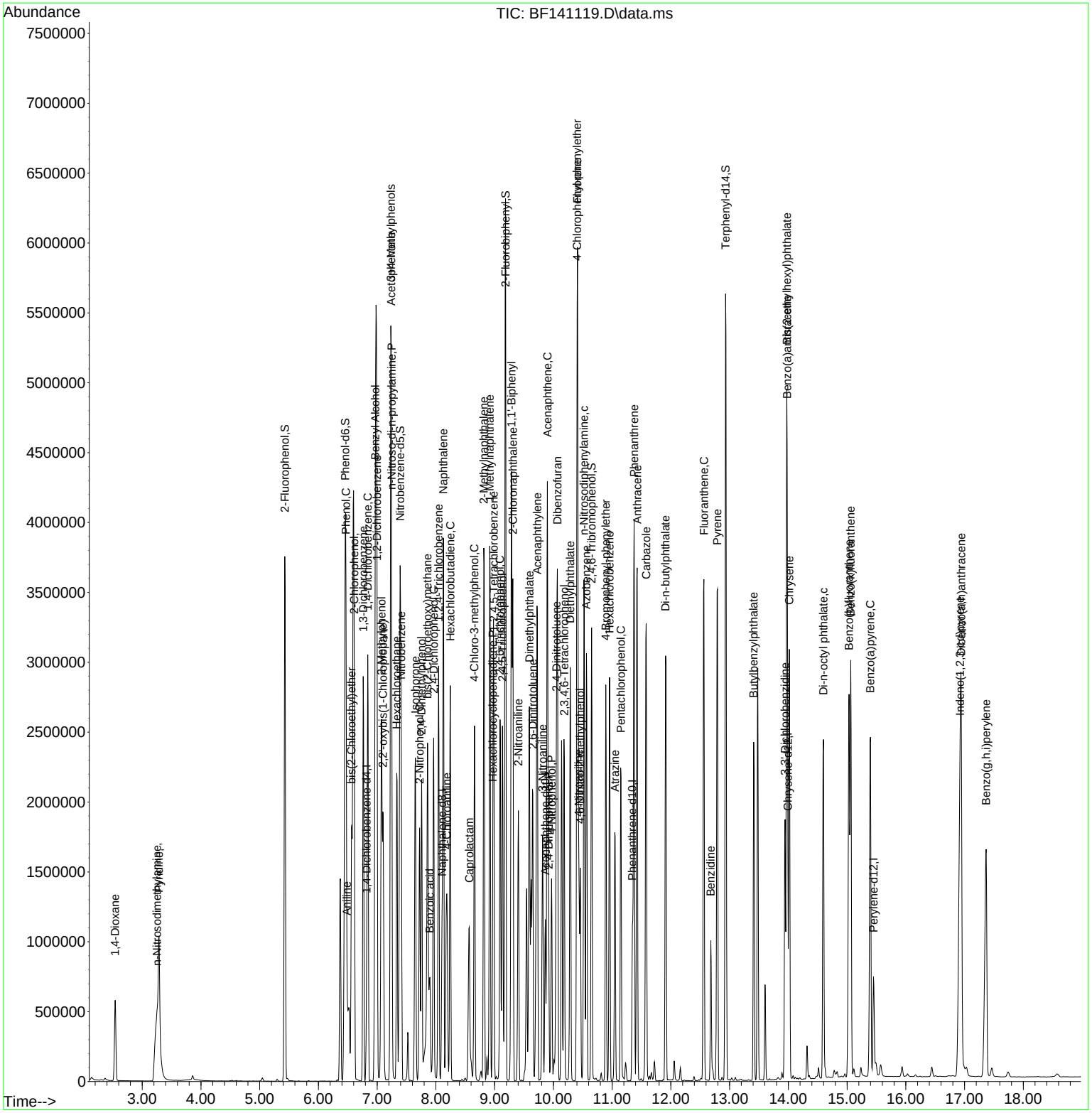
(#) = qualifier out of range (m) = manual integration (+) = signals summed

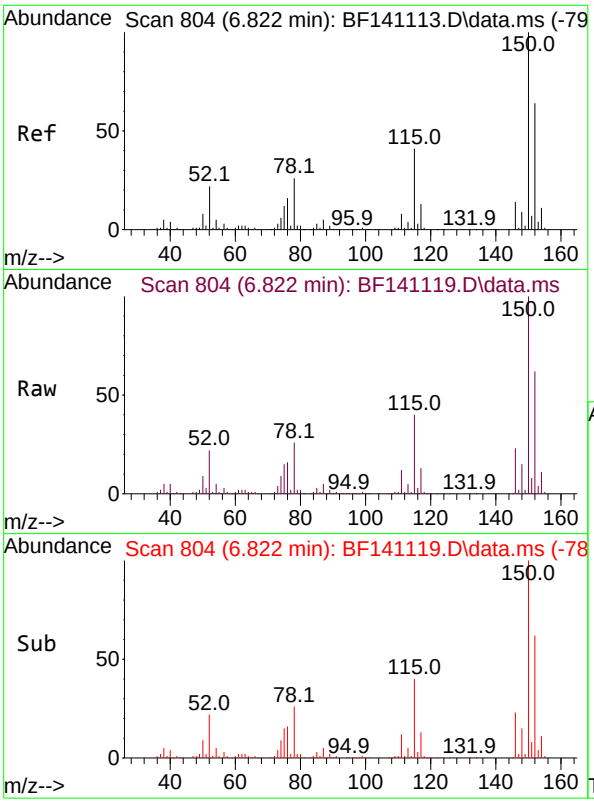
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141119.D
Acq On : 10 Jan 2025 17:45
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Jan 10 22:24:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration



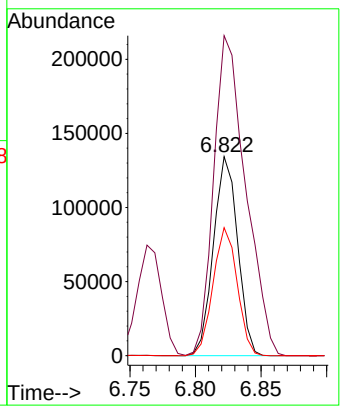


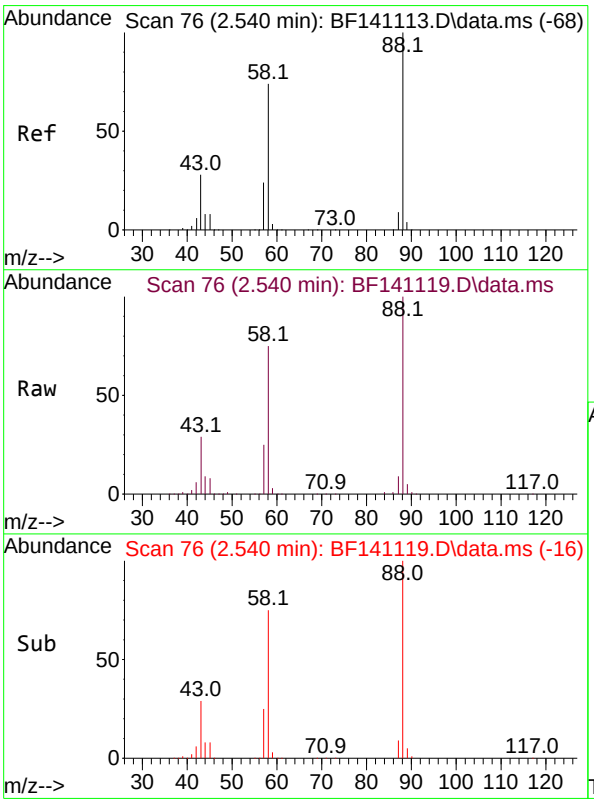

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:152 Resp: 172282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.7 | 125.8 | 188.8 |
| 115 | 64.3 | 51.4 | 77.2 |

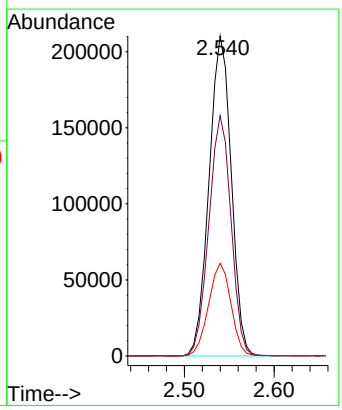


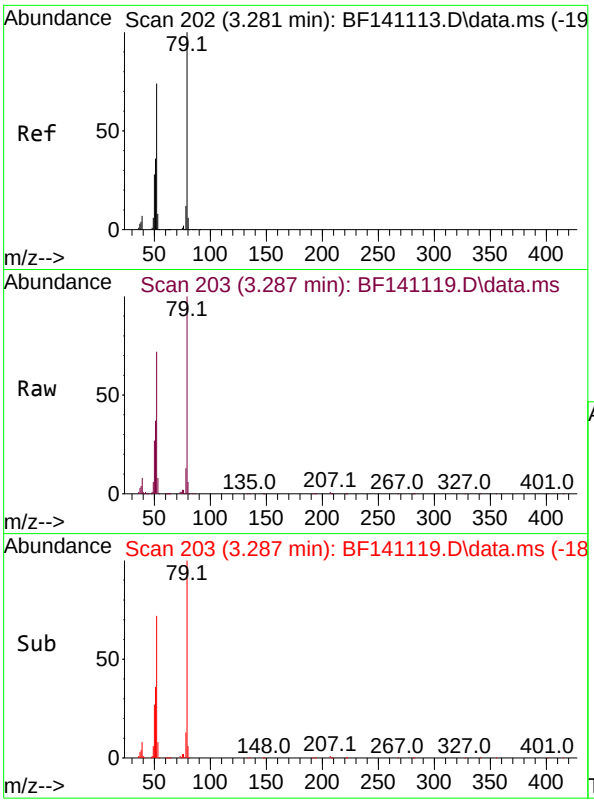




#2
1,4-Dioxane
Concen: 72.808 ng
RT: 2.540 min Scan# 76
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 88 Resp: 361586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.8 | 60.1 | 90.1 |
| 43 | 29.1 | 23.1 | 34.7 |



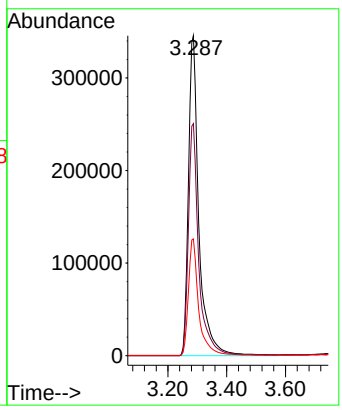


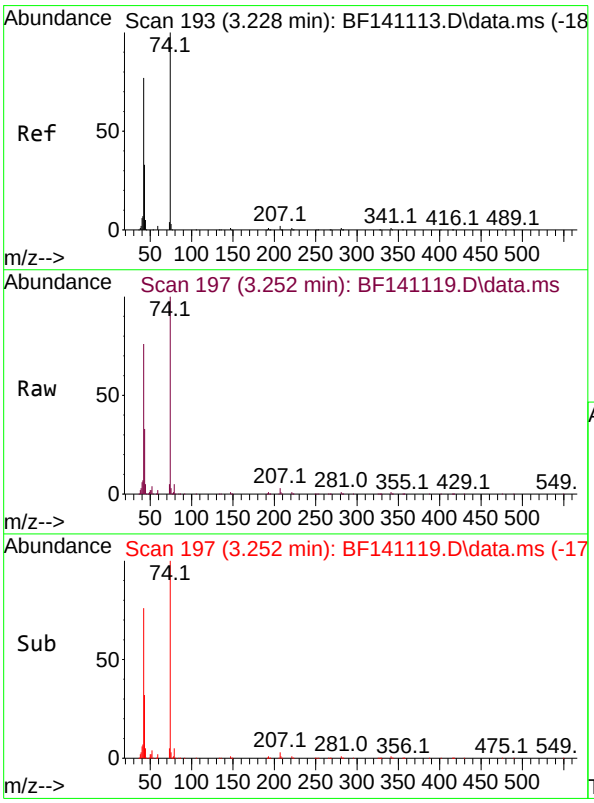

#3
Pyridine
Concen: 70.255 ng
RT: 3.287 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 79 Resp: 855609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 72.5 | 58.9 | 88.3 |
| 51 | 36.5 | 29.1 | 43.7 |

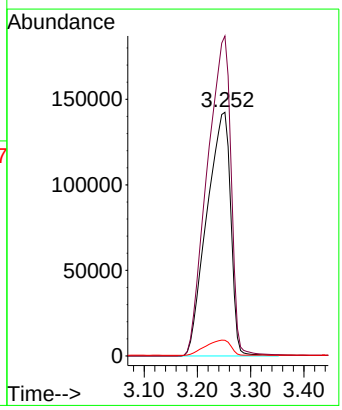


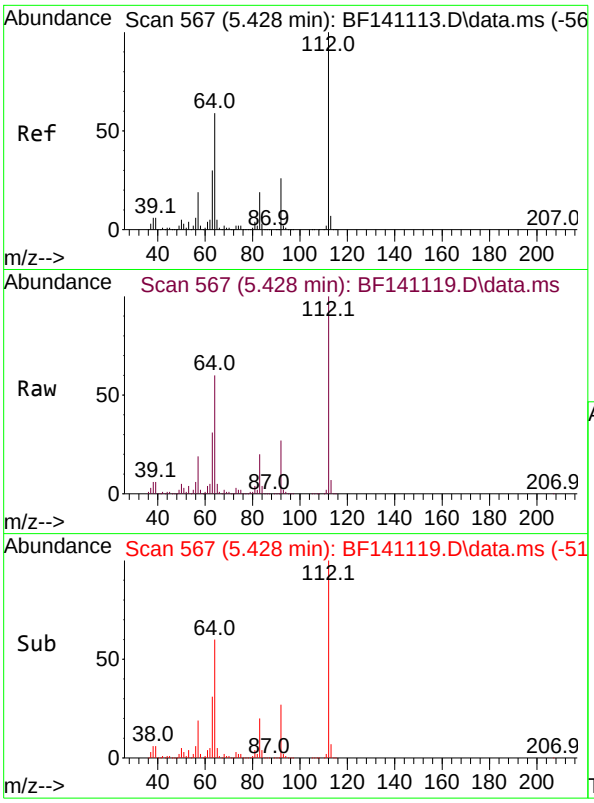




#4
n-Nitrosodimethylamine
Concen: 74.512 ng
RT: 3.252 min Scan# 197
Delta R.T. 0.024 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 42 Resp: 443709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 131.3 | 103.8 | 155.6 |
| 44 | 6.4 | 5.3 | 7.9 |



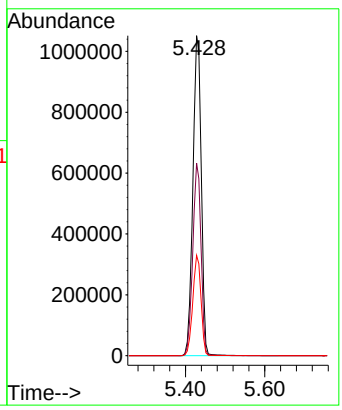


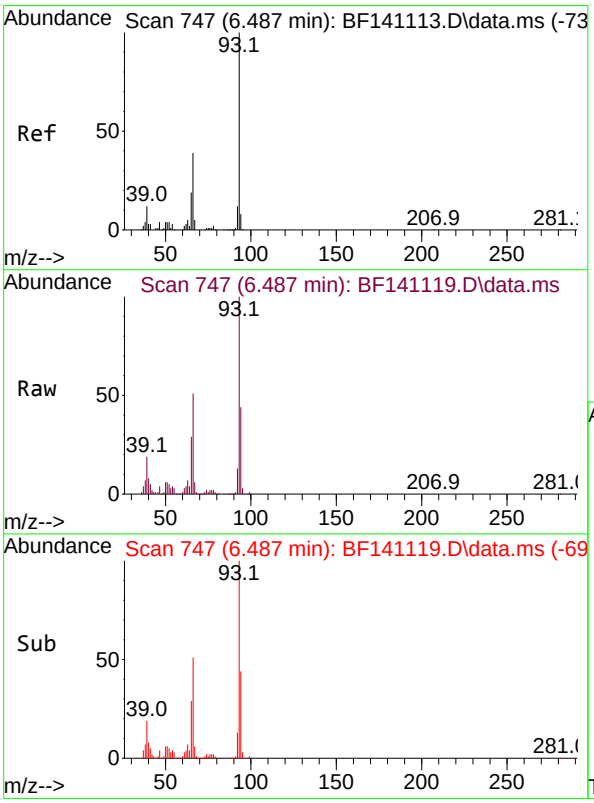

#5
2-Fluorophenol
Concen: 138.495 ng
RT: 5.428 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:112 Resp: 1544552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.2 | 47.3 | 70.9 |
| 63 | 31.3 | 24.2 | 36.2 |

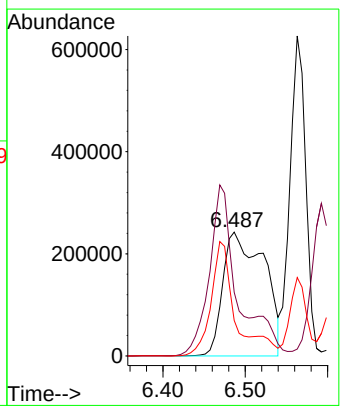


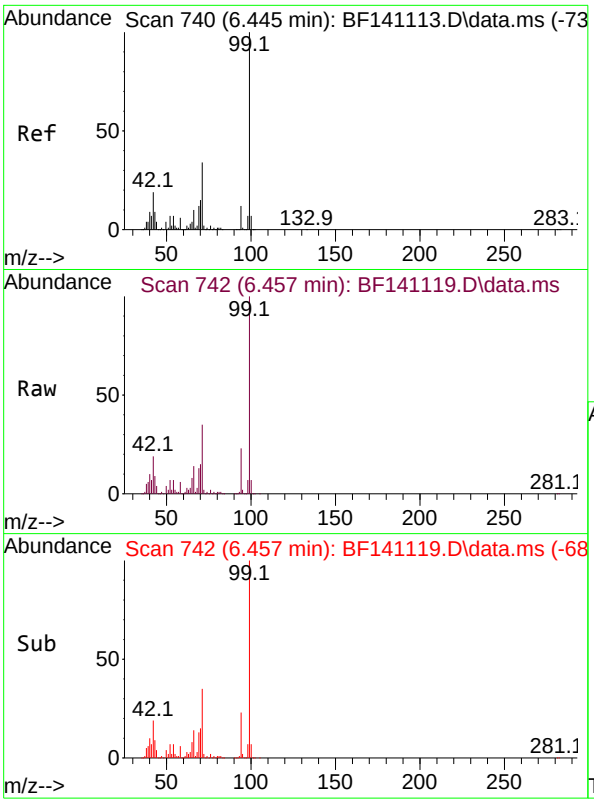




#6
Aniline
Concen: 67.145 ng m
RT: 6.487 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 93 Resp: 842164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 51.4 | 31.5 | 47.3# |
| 65 | 28.7 | 15.3 | 22.9# |



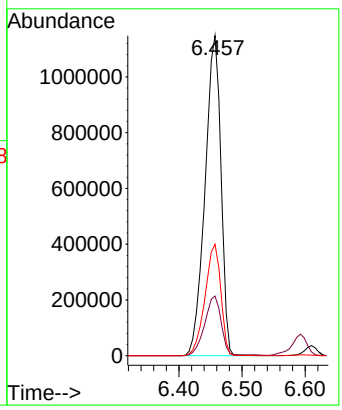


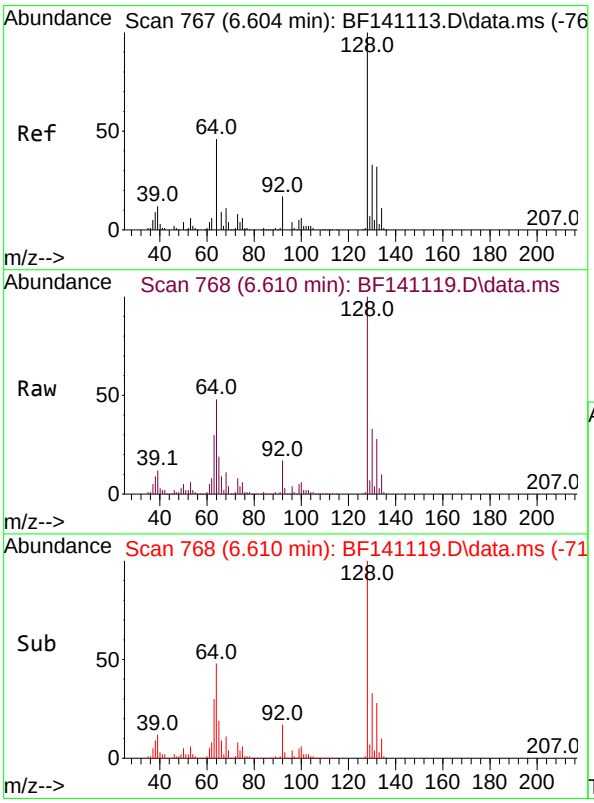

#7
Phenol-d6
Concen: 141.874 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 99 Resp: 2004230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.7 | 15.0 | 22.4 |
| 71 | 34.8 | 27.6 | 41.4 |

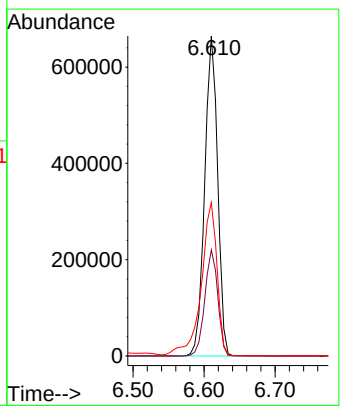


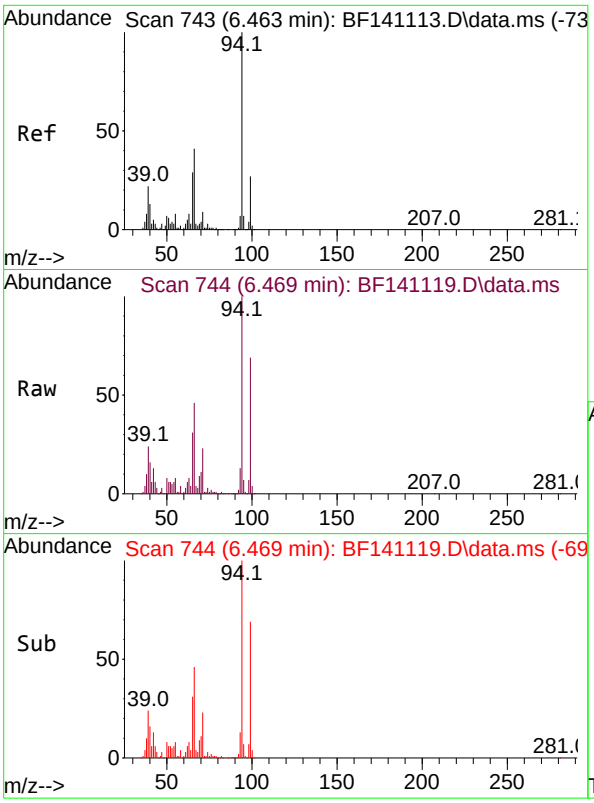

#8
2-Chlorophenol
Concen: 70.573 ng
RT: 6.610 min Scan# 768
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:128 Resp: 844417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.2 | 12.5 | 52.5 |
| 64 | 48.0 | 28.3 | 68.3 |



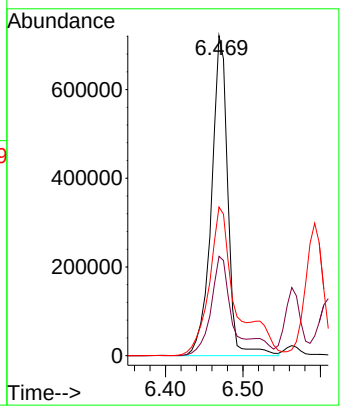
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

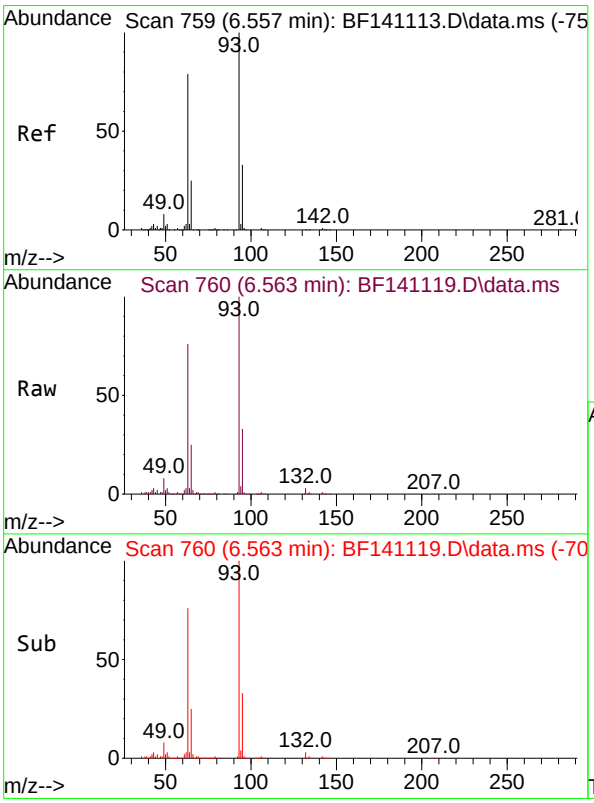



#10
Phenol
Concen: 70.563 ng
RT: 6.469 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 94 Resp: 1067075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 31.1 | 8.9 | 48.9 |
| 66 | 46.4 | 21.2 | 61.2 |

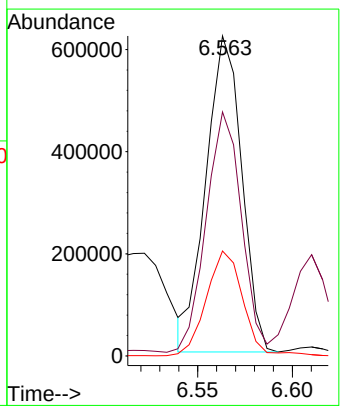


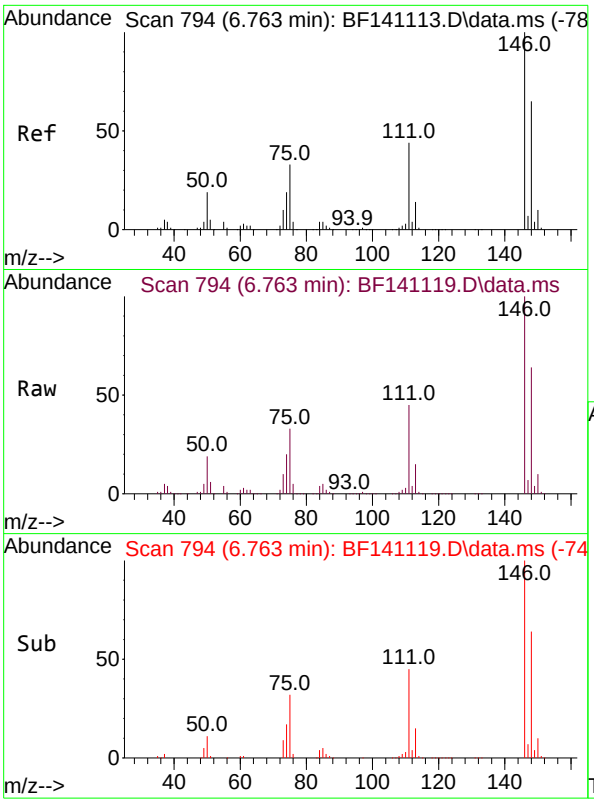




#11
bis(2-Chloroethyl)ether
Concen: 72.042 ng
RT: 6.563 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 93 Resp: 811905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 76.2 | 58.0 | 98.0 |
| 95 | 32.8 | 12.5 | 52.5 |



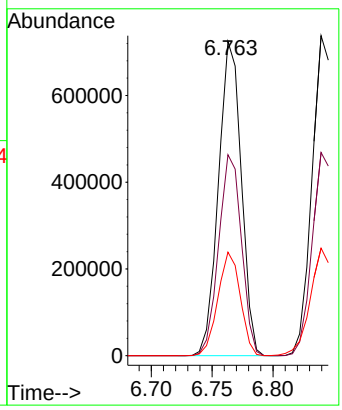


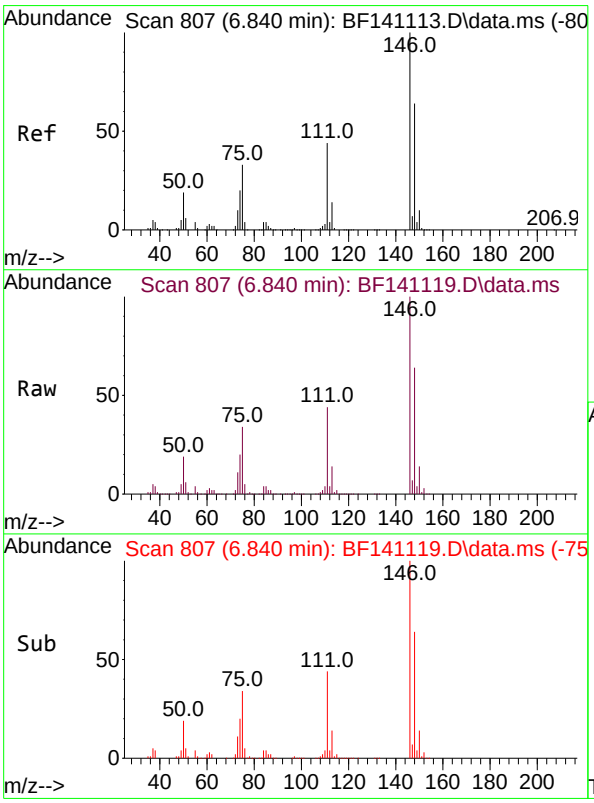

#12
1,3-Dichlorobenzene
Concen: 70.831 ng
RT: 6.763 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:146 Resp: 945224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.6 | 77.4 |
| 75 | 33.0 | 26.2 | 39.2 |

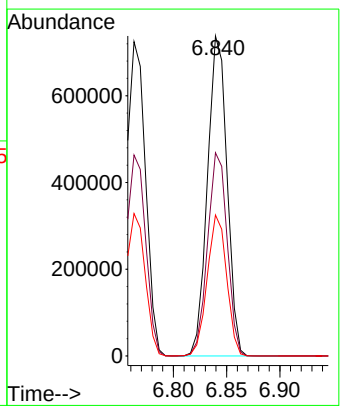


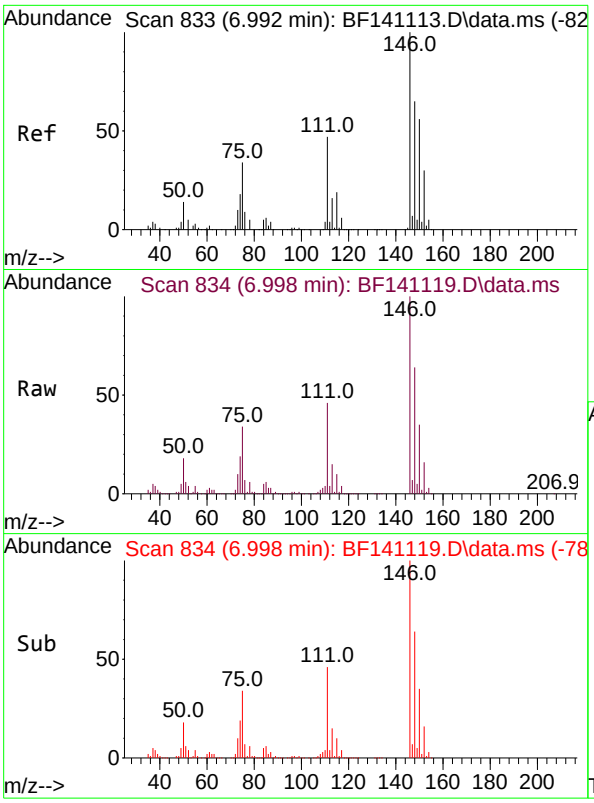




#13
1,4-Dichlorobenzene
Concen: 70.211 ng
RT: 6.840 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:146 Resp: 944179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.5 | 51.0 | 76.6 |
| 111 | 44.1 | 34.9 | 52.3 |



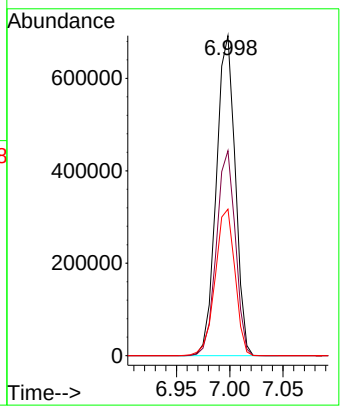


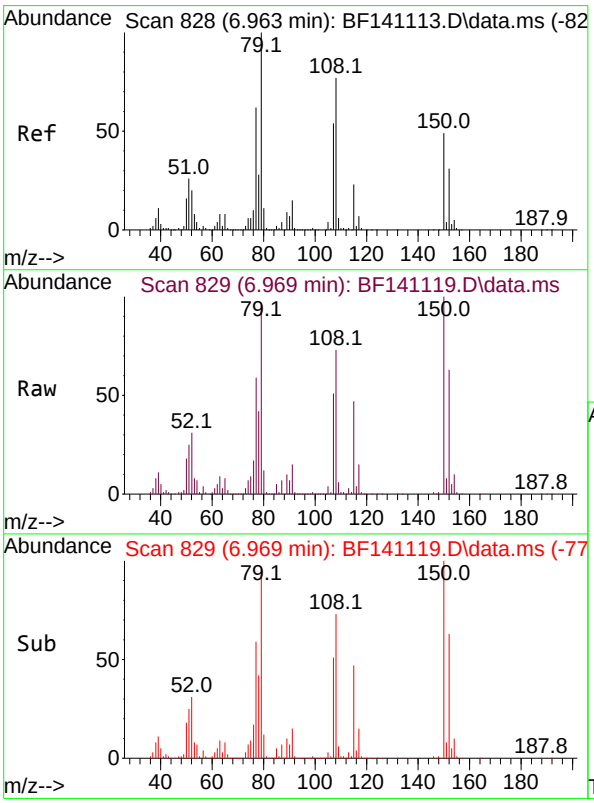

#14
1,2-Dichlorobenzene
Concen: 68.083 ng
RT: 6.998 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:146 Resp: 854029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 52.2 | 78.4 |
| 111 | 45.8 | 37.5 | 56.3 |

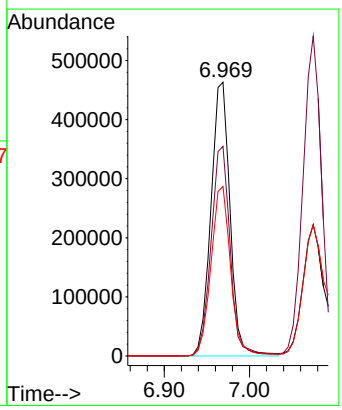


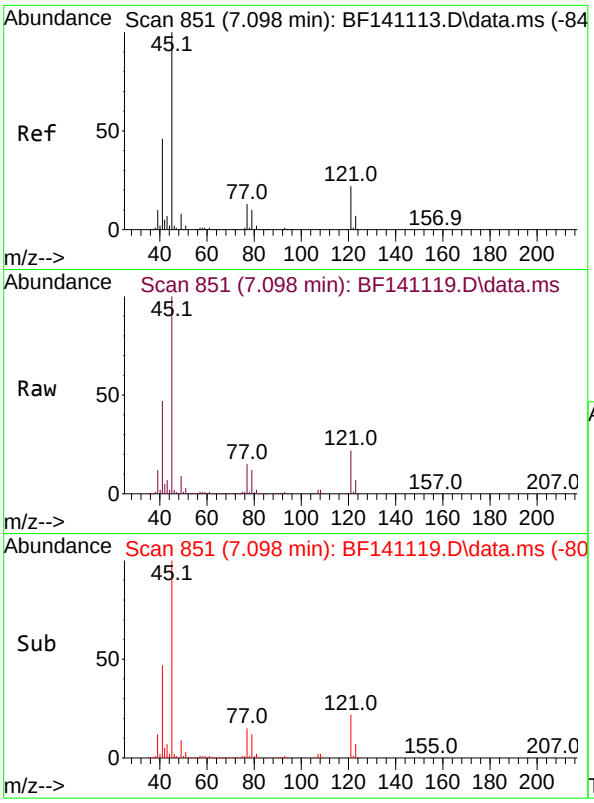




#15
Benzyl Alcohol
Concen: 70.781 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 79 Resp: 722113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.6 | 61.4 | 92.0 |
| 77 | 61.9 | 49.8 | 74.6 |



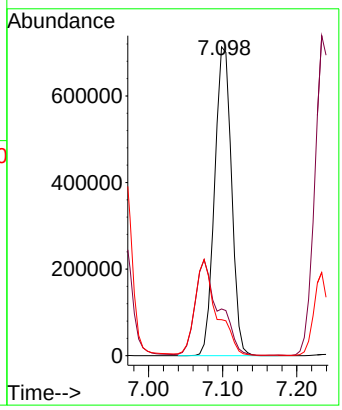


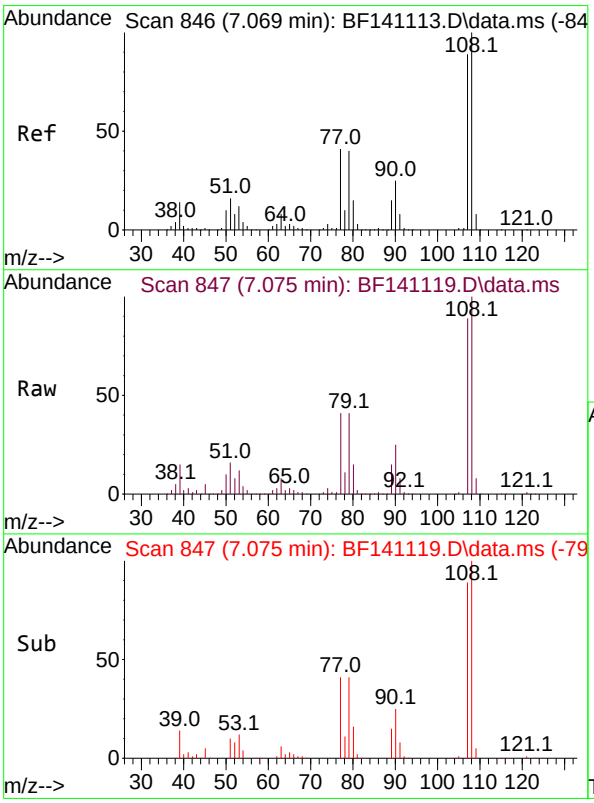

#16
2,2'-oxybis(1-Chloropropane)
Concen: 71.848 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 45 Resp: 1129914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 15.1 | 0.0 | 34.1 |
| 79 | 11.7 | 0.0 | 31.0 |

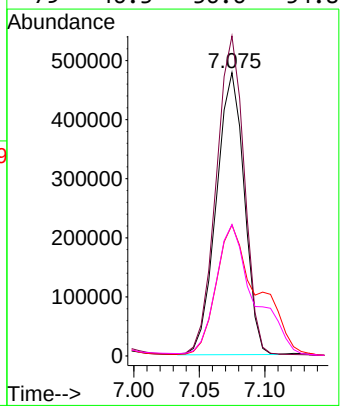


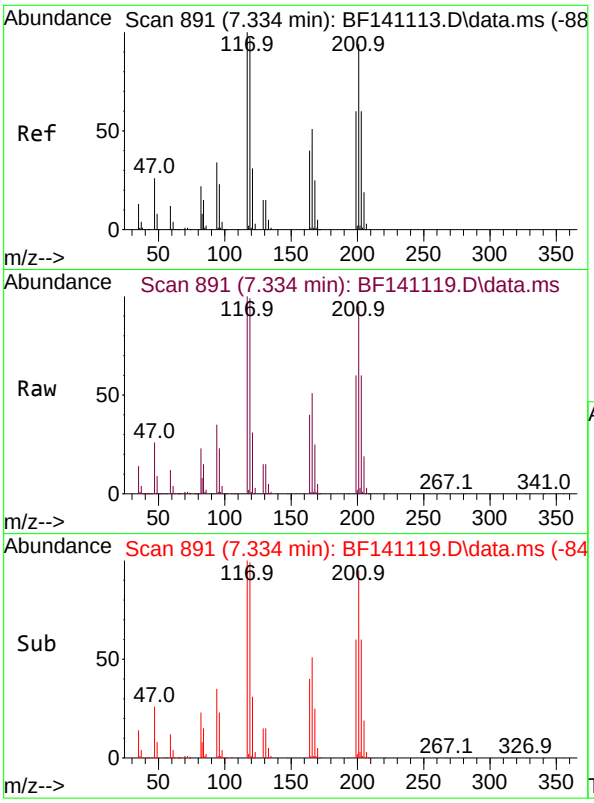




#17
2-Methylphenol
Concen: 73.257 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:107 Resp: 707657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.9 | 90.1 | 135.1 |
| 77 | 46.2 | 36.6 | 55.0 |
| 79 | 46.3 | 36.6 | 54.8 |



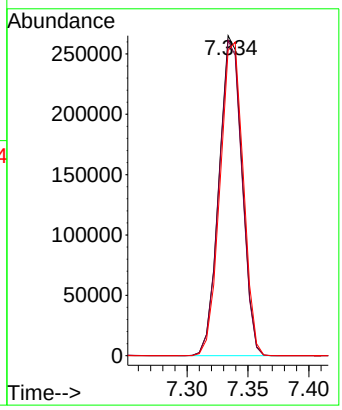


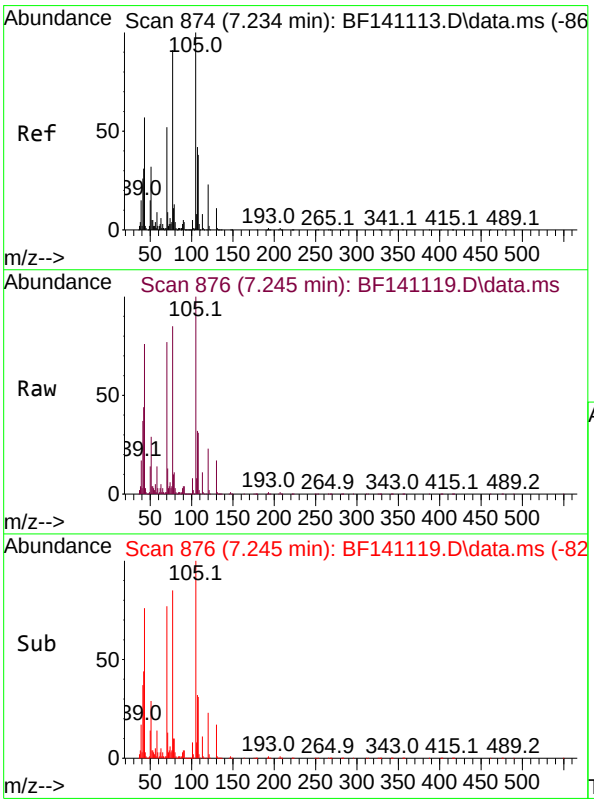

#18
Hexachloroethane
Concen: 71.795 ng
RT: 7.334 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:117 Resp: 349146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 98.6 | 77.6 | 116.4 |
| 201 | 95.4 | 75.1 | 112.7 |

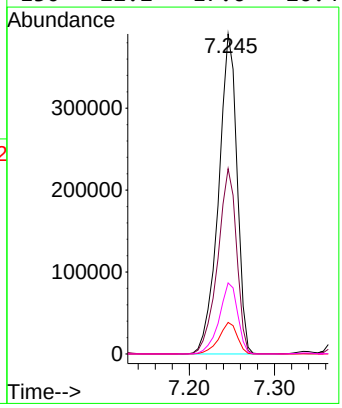


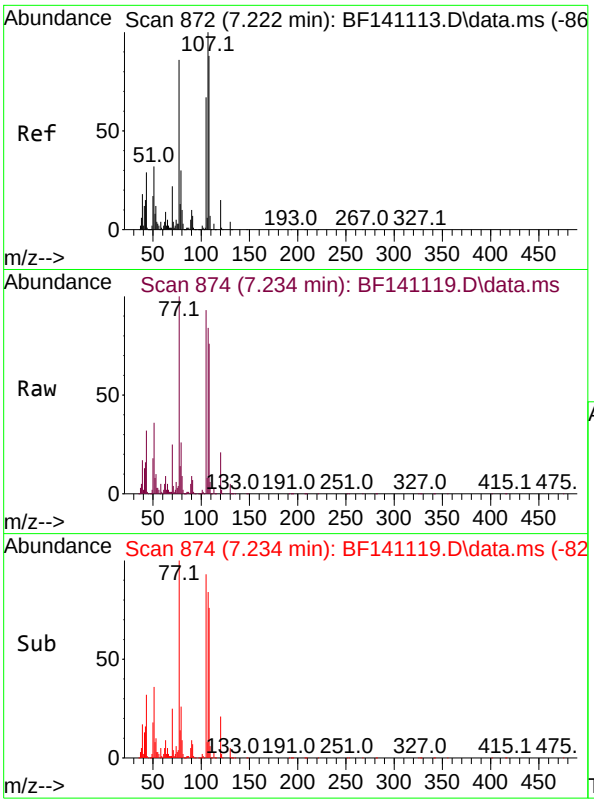




#19
n-Nitroso-di-n-propylamine
Concen: 70.753 ng
RT: 7.245 min Scan# 876
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 70 Resp: 588783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.9 | 47.8 | 71.6 |
| 101 | 9.8 | 7.9 | 11.9 |
| 130 | 22.2 | 17.6 | 26.4 |



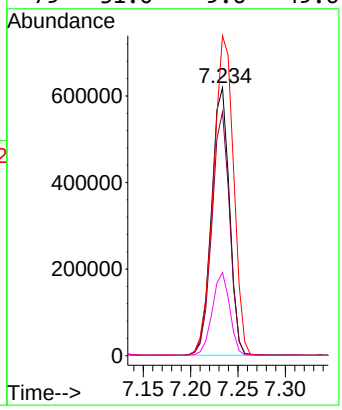


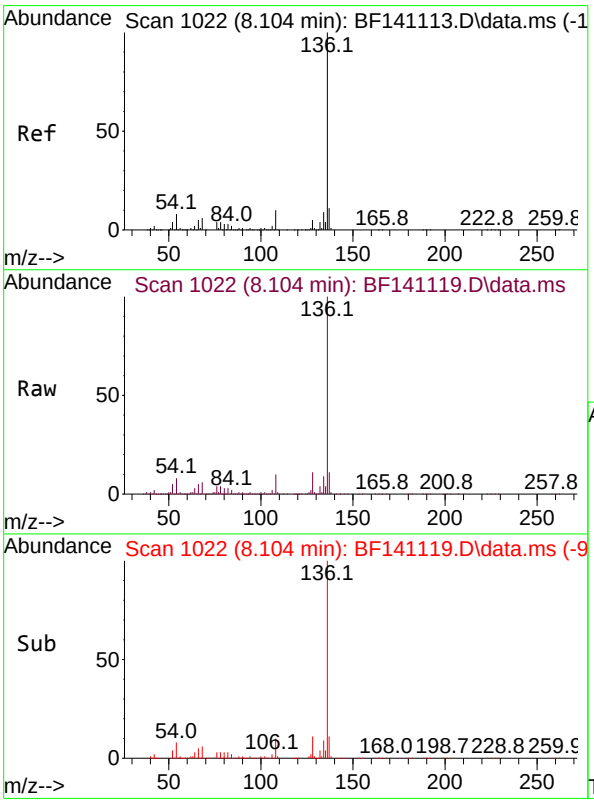

#20
3+4-Methylphenols
Concen: 66.732 ng
RT: 7.234 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:107 Resp: 813265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.9 | 68.3 | 108.3 |
| 77 | 119.4 | 66.4 | 106.4# |
| 79 | 31.0 | 9.6 | 49.6 |

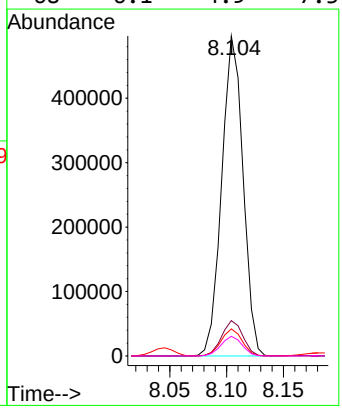


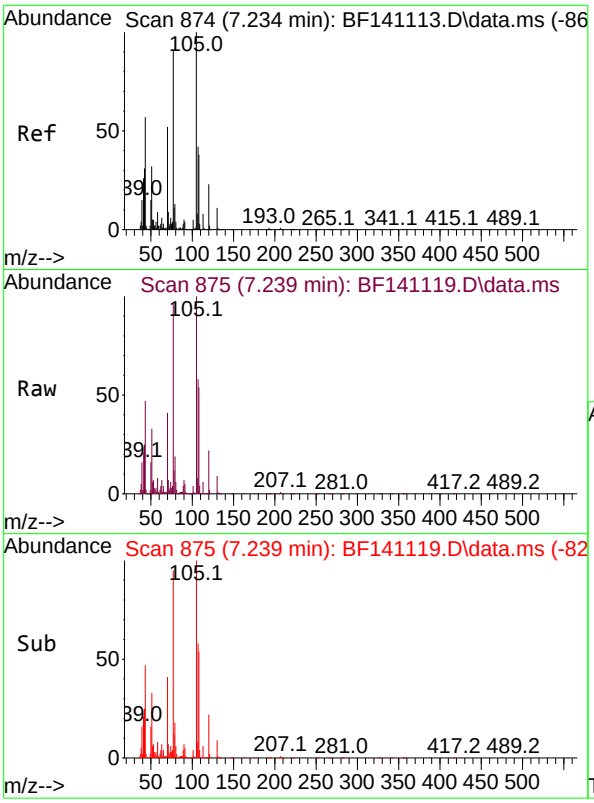




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:136 Resp: 648826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.8 | 13.2 |
| 54 | 8.5 | 6.3 | 9.5 |
| 68 | 6.1 | 4.9 | 7.3 |



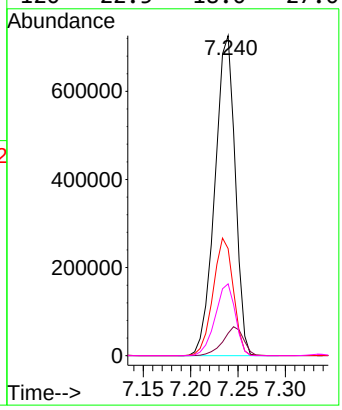


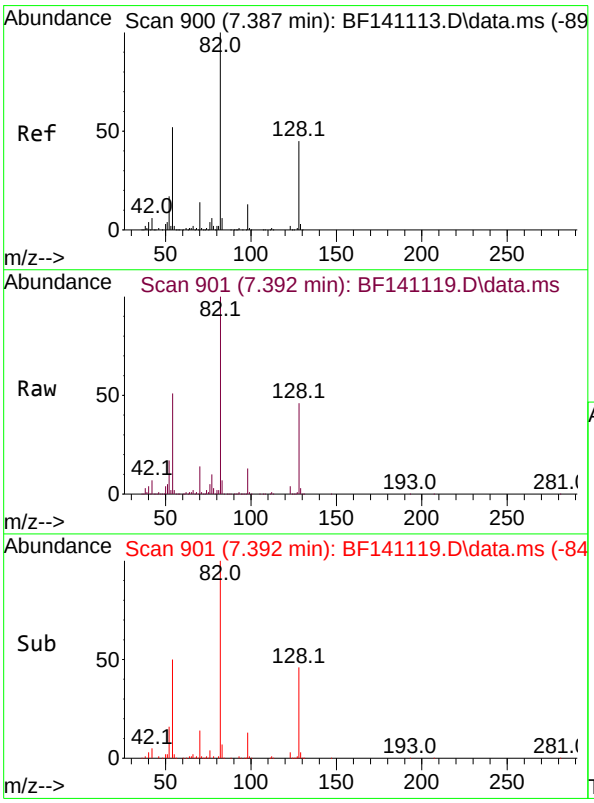

#22
Acetophenone
Concen: 70.218 ng
RT: 7.239 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:105 Resp: 1083059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.0 | 7.1 | 10.7# |
| 51 | 33.5 | 25.4 | 38.2 |
| 120 | 22.5 | 18.0 | 27.0 |

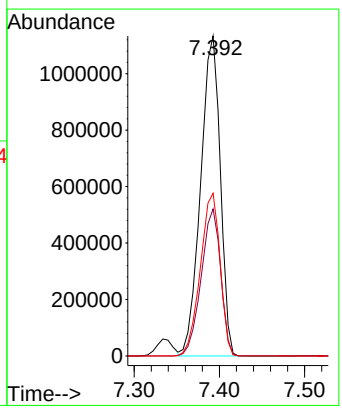


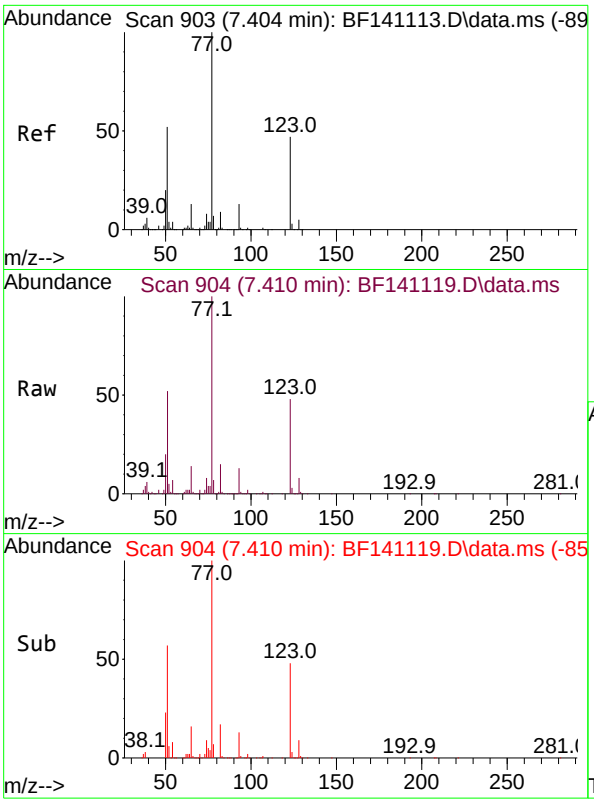




#23
Nitrobenzene-d5
Concen: 148.154 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 82 Resp: 1813409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.9 | 36.1 | 54.1 |
| 54 | 50.9 | 41.0 | 61.4 |



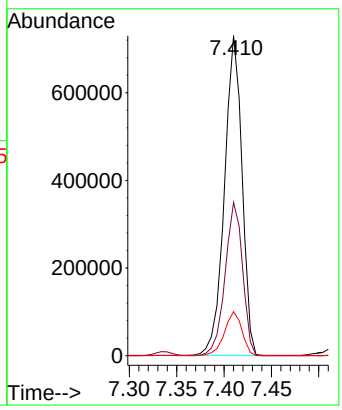


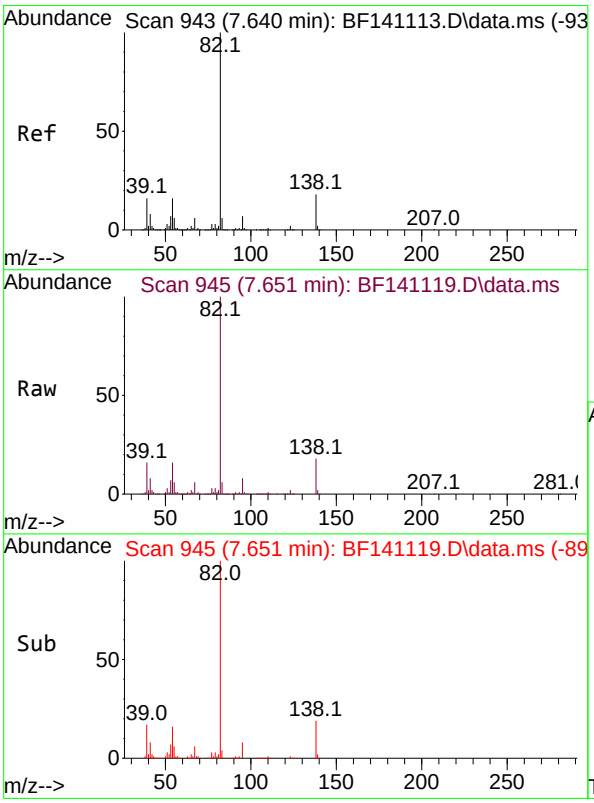

#24
Nitrobenzene
Concen: 73.960 ng
RT: 7.410 min Scan# 9(
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 77 Resp: 943483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.9 | 37.7 | 56.5 |
| 65 | 13.7 | 10.6 | 16.0 |

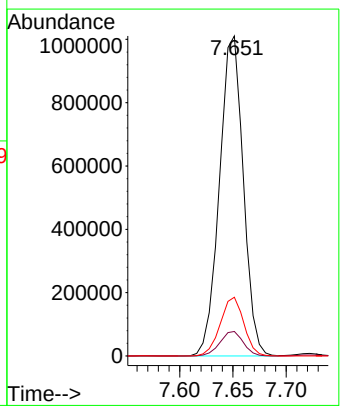


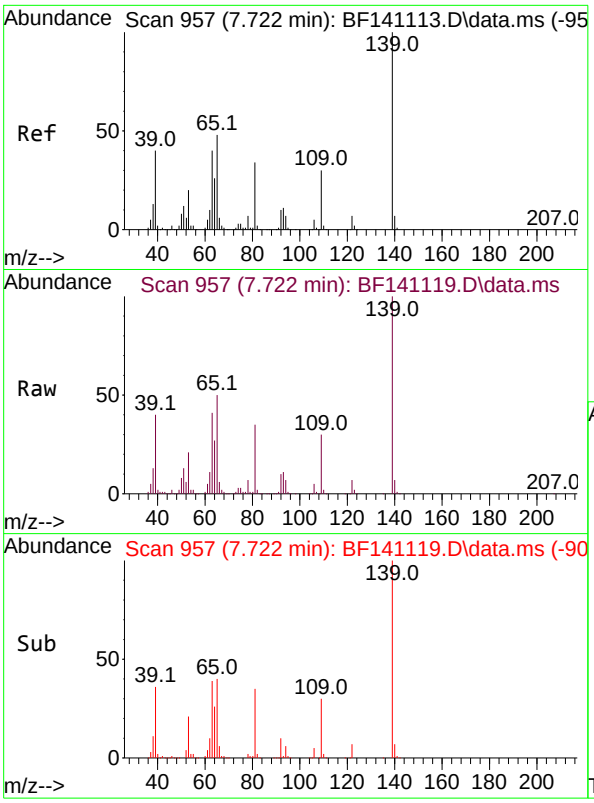




#25
Isophorone
Concen: 75.124 ng
RT: 7.651 min Scan# 945
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 82 Resp: 1571424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.6 | 5.9 | 8.9 |
| 138 | 18.4 | 14.2 | 21.2 |



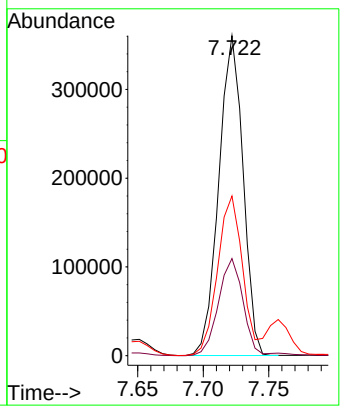


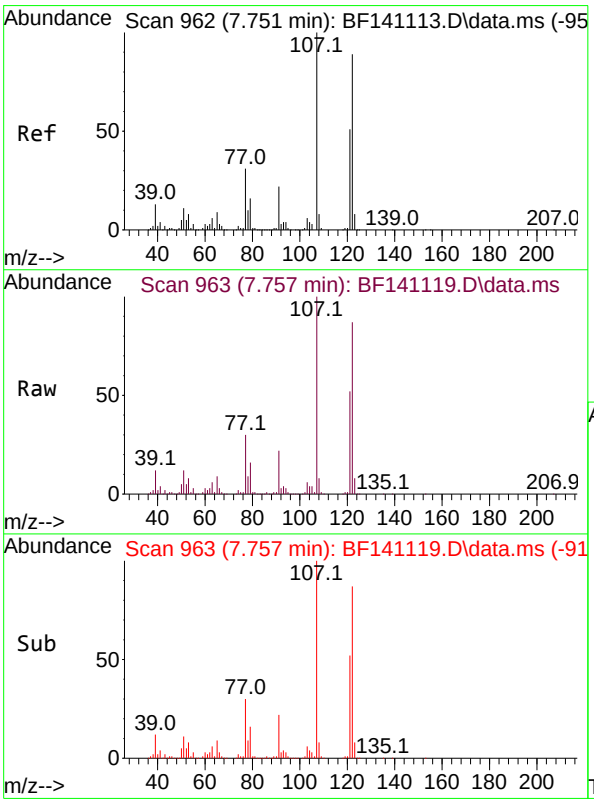

#26
2-Nitrophenol
Concen: 79.834 ng
RT: 7.722 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:139 Resp: 463267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.3 | 23.8 | 35.6 |
| 65 | 49.9 | 38.5 | 57.7 |

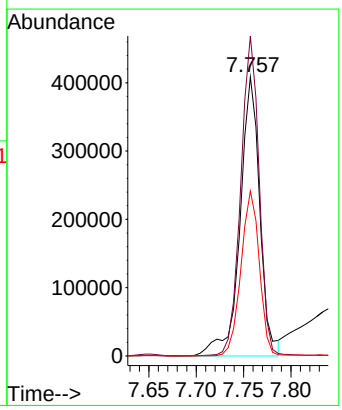


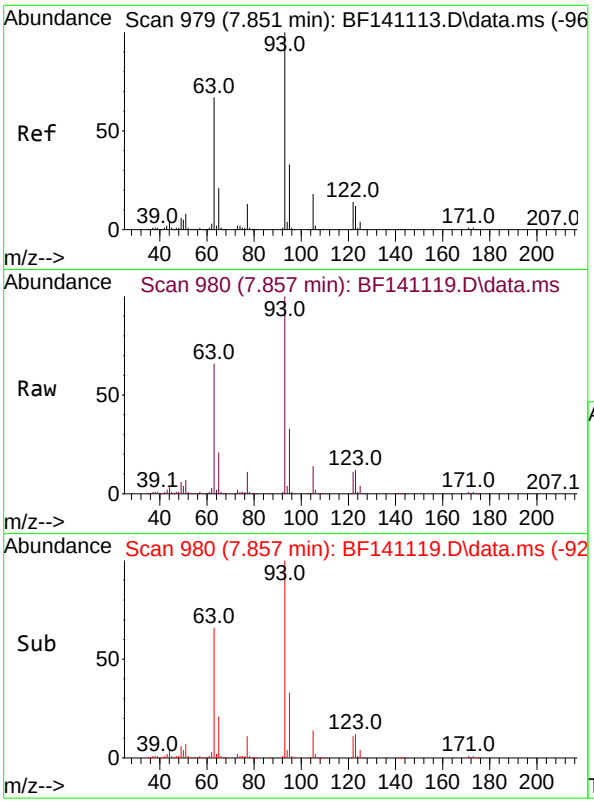




#27
2,4-Dimethylphenol
Concen: 75.959 ng
RT: 7.757 min Scan# 963
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:122 Resp: 594544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.7 | 90.3 | 135.5 |
| 121 | 59.1 | 46.5 | 69.7 |



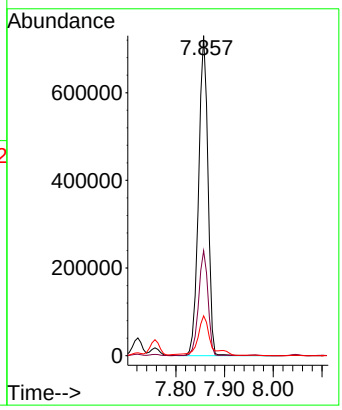


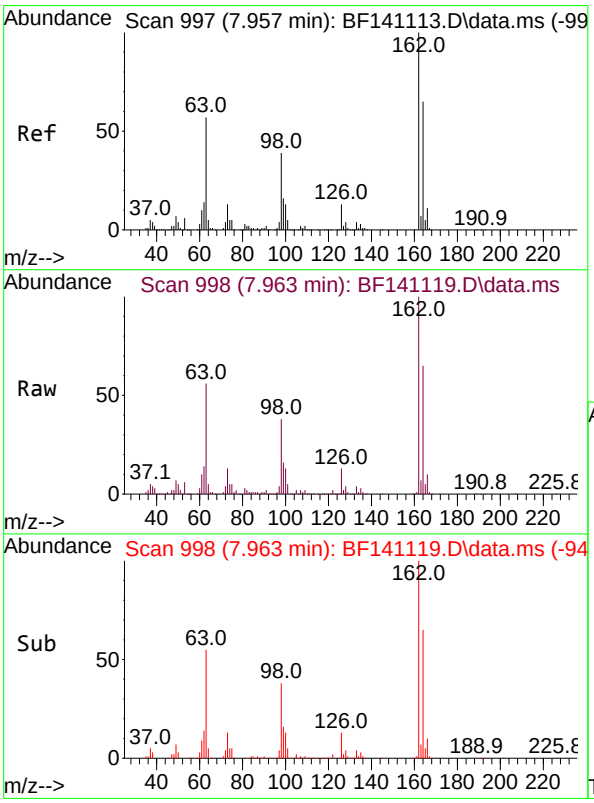

#28
bis(2-Chloroethoxy)methane
Concen: 74.449 ng
RT: 7.857 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 93 Resp: 977334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.8 | 26.2 | 39.4 |
| 123 | 12.5 | 10.1 | 15.1 |

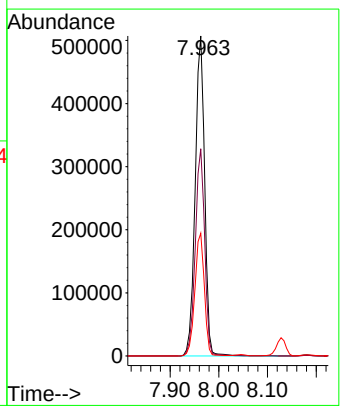


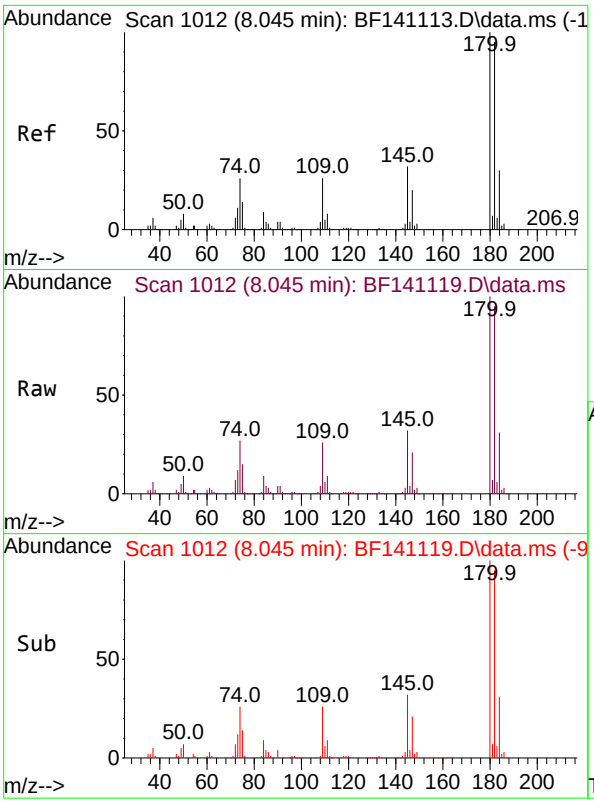




#29
2,4-Dichlorophenol
Concen: 74.162 ng
RT: 7.963 min Scan# 998
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:162 Resp: 689420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.8 | 44.5 | 84.5 |
| 98 | 38.3 | 18.5 | 58.5 |



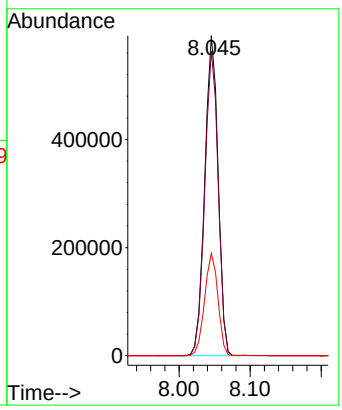


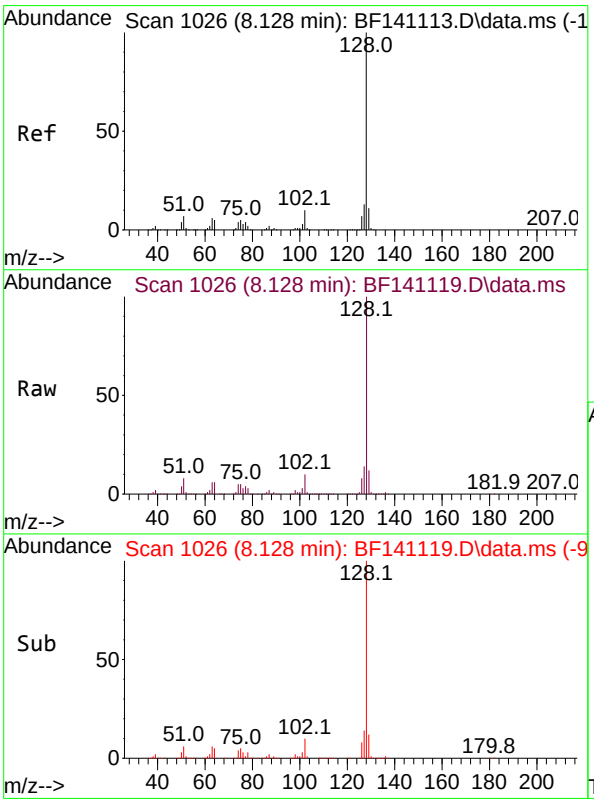

#30
1,2,4-Trichlorobenzene
Concen: 73.098 ng
RT: 8.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:180 Resp: 776721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 76.2 | 114.2 |
| 145 | 32.0 | 25.3 | 37.9 |

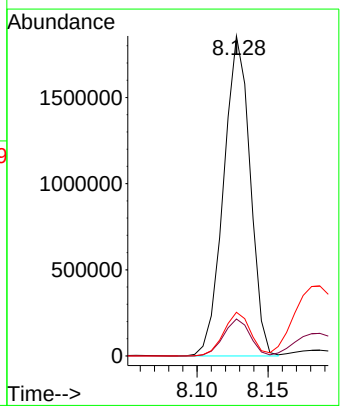


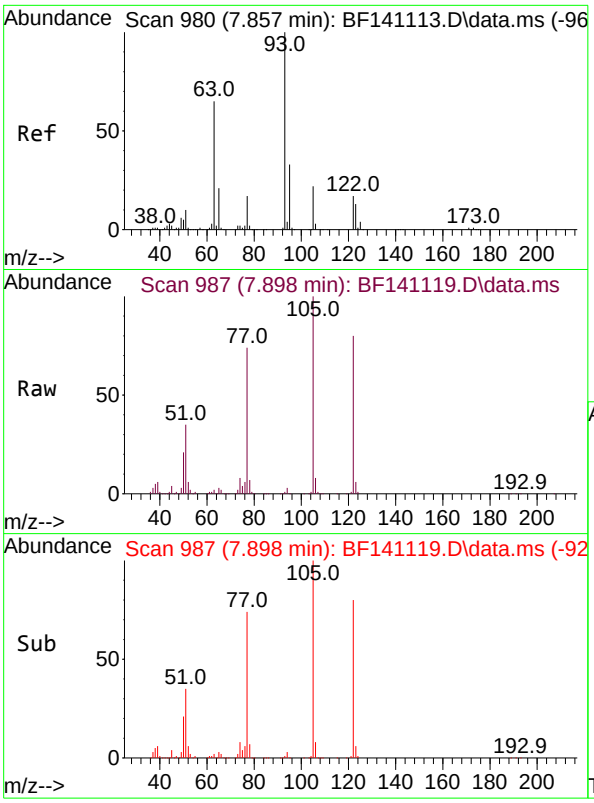




#31
Naphthalene
Concen: 70.480 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:128 Resp: 2411578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.6 | 9.0 | 13.6 |
| 127 | 13.6 | 10.8 | 16.2 |



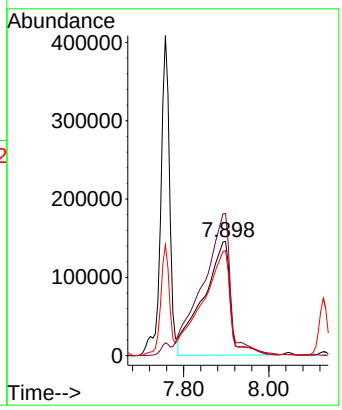


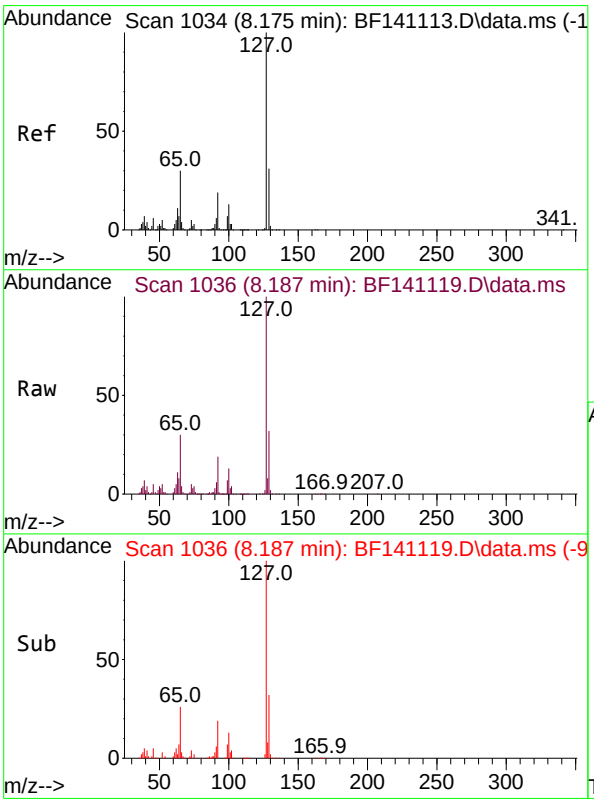

#32
Benzoic acid
Concen: 86.411 ng
RT: 7.898 min Scan# 9
Delta R.T. 0.041 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:122 Resp: 648810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.5 | 105.5 | 145.5 |
| 77 | 91.9 | 75.1 | 115.1 |

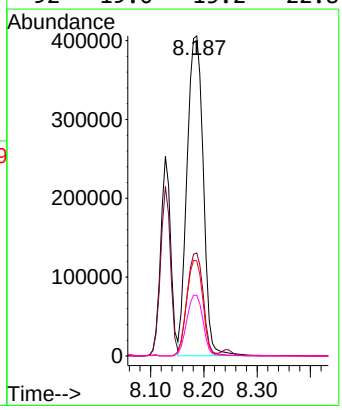


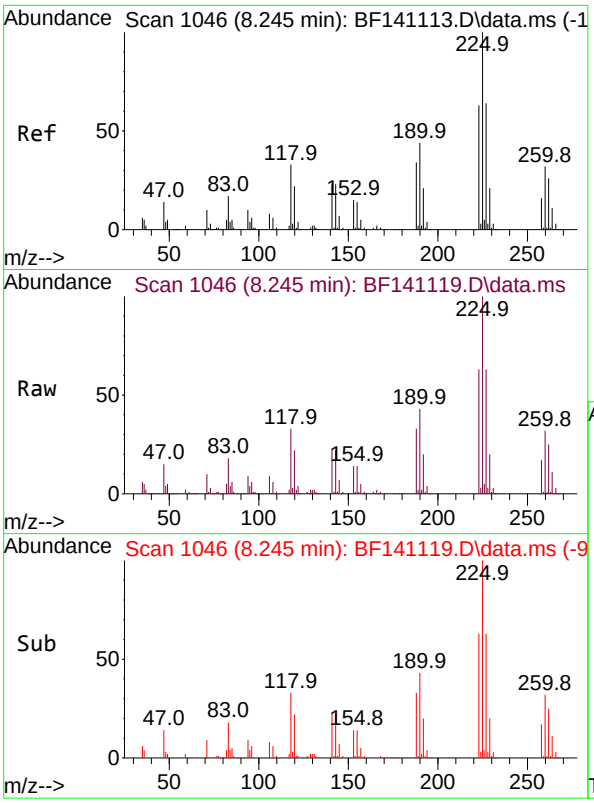




#33
4-Chloroaniline
Concen: 72.688 ng
RT: 8.187 min Scan# 1036
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:127 Resp: 860135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.2 | 25.9 | 38.9 |
| 65 | 29.7 | 23.8 | 35.8 |
| 92 | 19.0 | 15.2 | 22.8 |



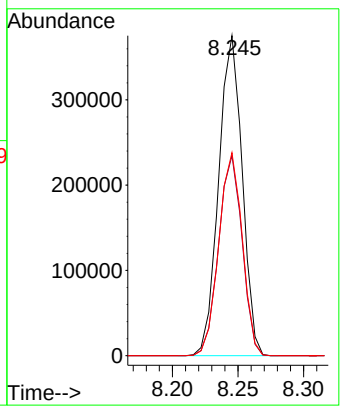


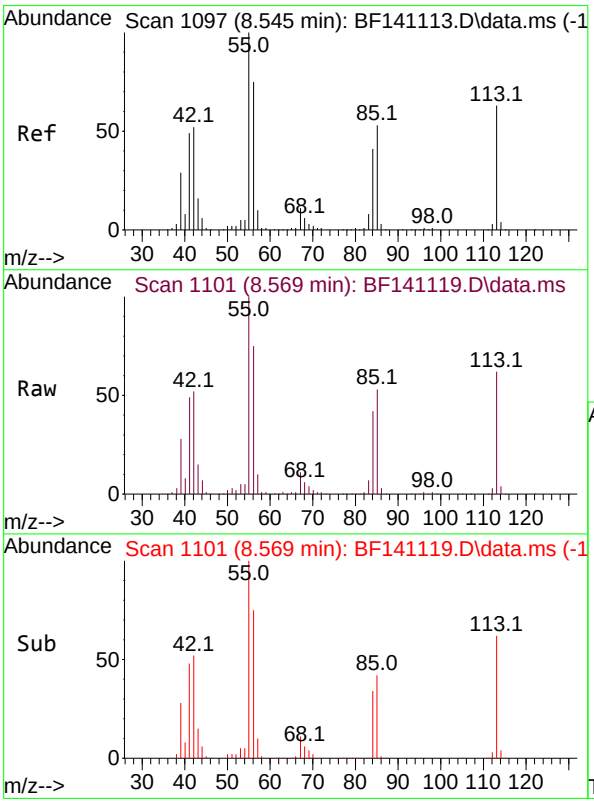

#34
Hexachlorobutadiene
Concen: 72.969 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:225 Resp: 467194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 50.6 | 76.0 |
| 227 | 63.4 | 51.6 | 77.4 |

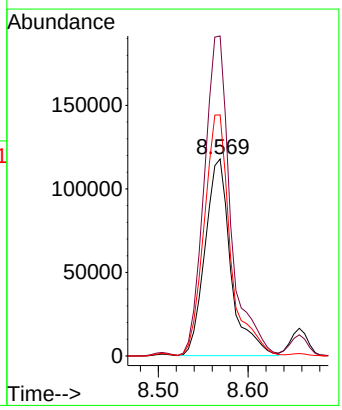


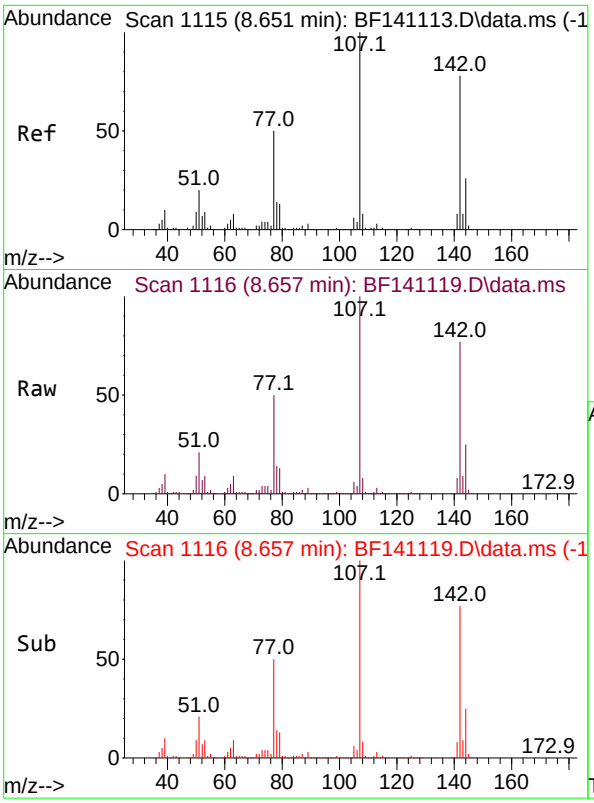




#35
Caprolactam
Concen: 77.436 ng
RT: 8.569 min Scan# 1101
Delta R.T. 0.024 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:113 Resp: 236127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 162.5 | 139.7 | 179.7 |
| 56 | 122.5 | 99.4 | 139.4 |



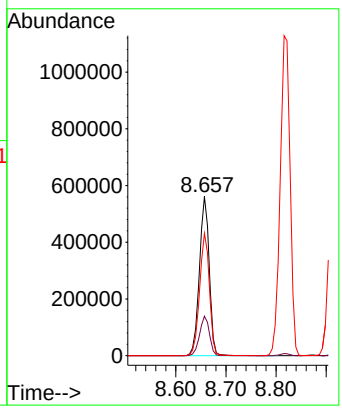


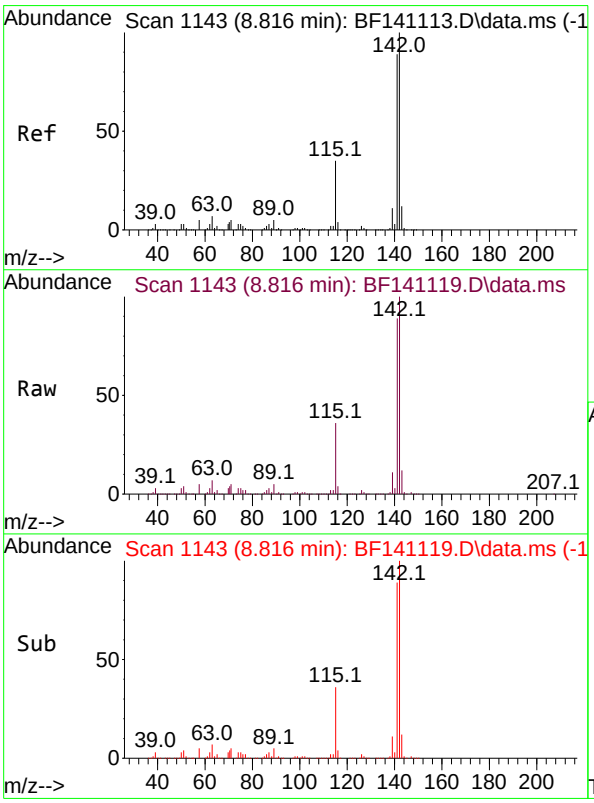

#36
4-Chloro-3-methylphenol
Concen: 74.822 ng
RT: 8.657 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:107 Resp: 760692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.9 | 20.4 | 30.6 |
| 142 | 76.8 | 62.2 | 93.2 |

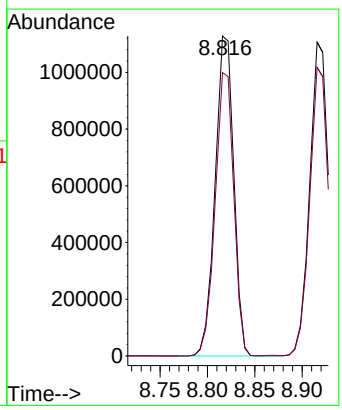


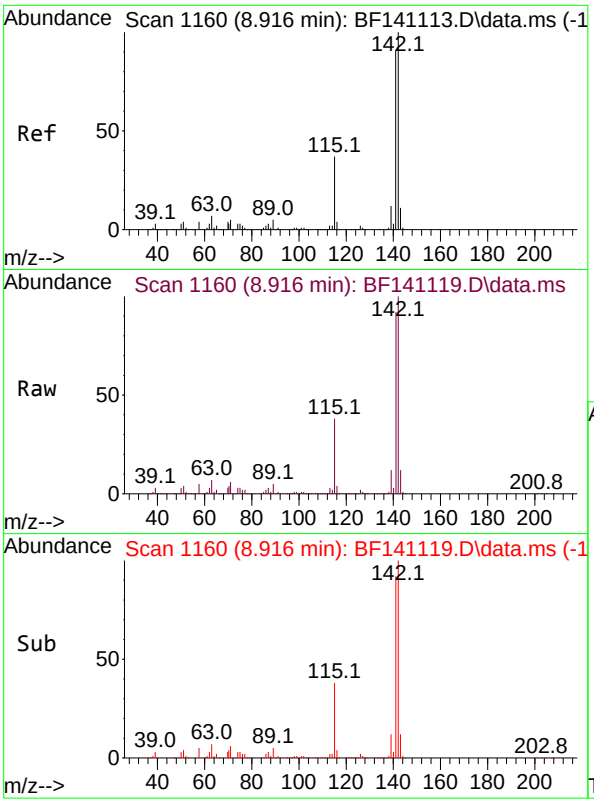




#37
2-Methylnaphthalene
Concen: 70.820 ng
RT: 8.816 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:142 Resp: 1544153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.5 | 71.3 | 106.9 |



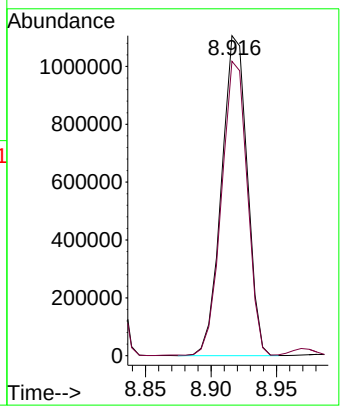


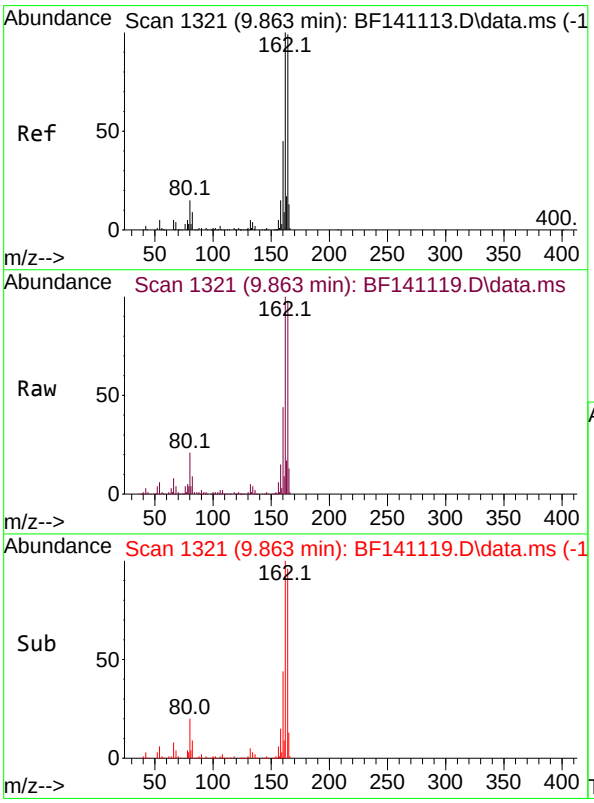

#38
1-Methylnaphthalene
Concen: 70.172 ng
RT: 8.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:142 Resp: 1507881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.0 | 73.1 | 109.7 |

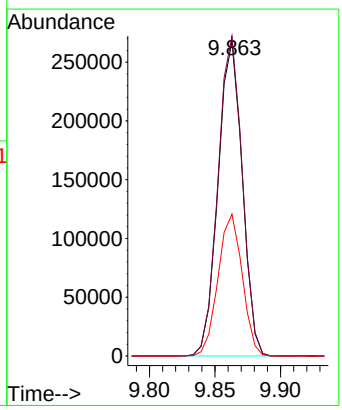


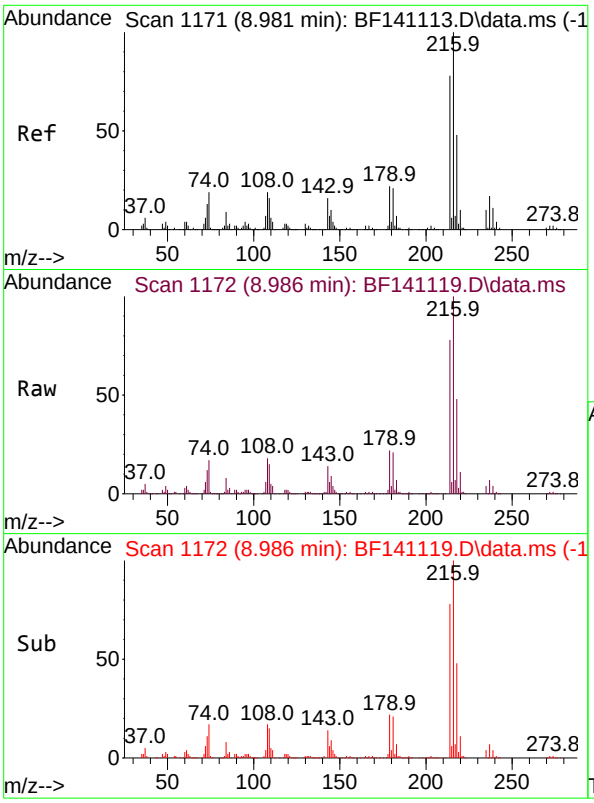




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:164 Resp: 342460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.7 | 81.0 | 121.4 |
| 160 | 45.1 | 36.1 | 54.1 |



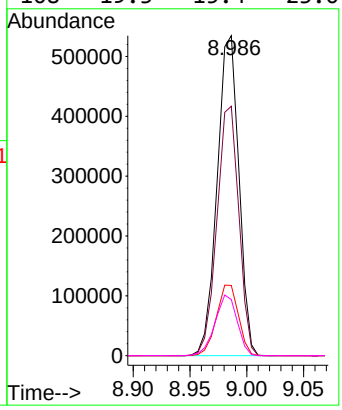


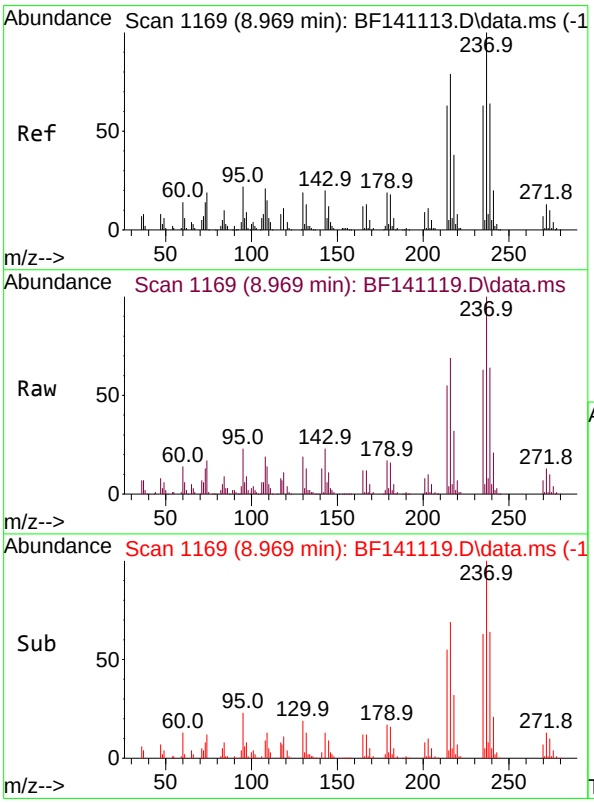

#40
1,2,4,5-Tetrachlorobenzene
Concen: 72.478 ng
RT: 8.986 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:216 Resp: 712407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.5 | 62.6 | 94.0 |
| 179 | 22.4 | 17.7 | 26.5 |
| 108 | 19.3 | 15.4 | 23.0 |

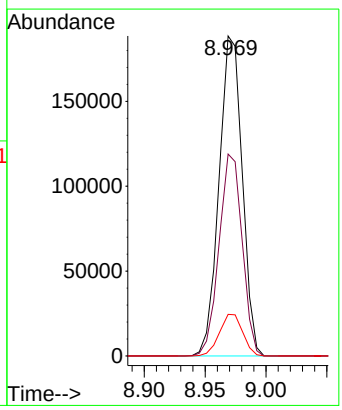


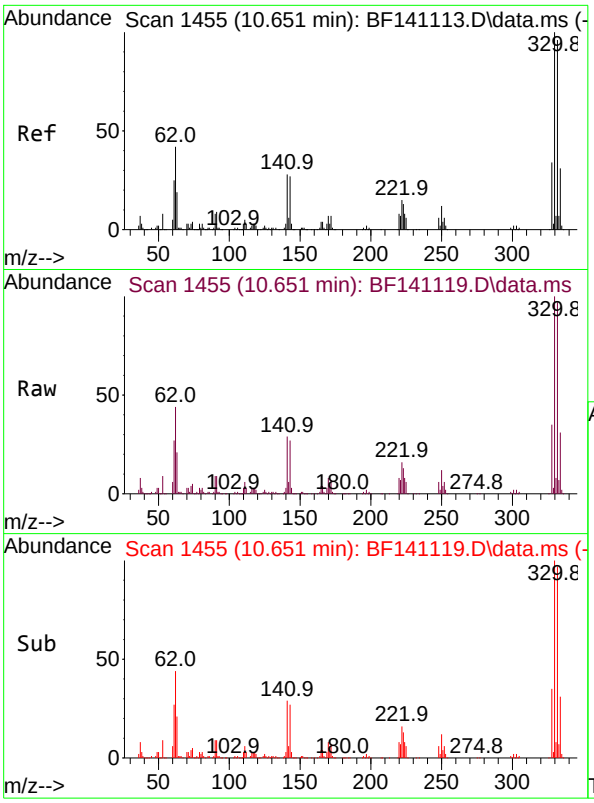




#41
Hexachlorocyclopentadiene
Concen: 77.724 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:237 Resp: 249944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.1 | 43.0 | 83.0 |
| 272 | 13.0 | 0.0 | 33.0 |



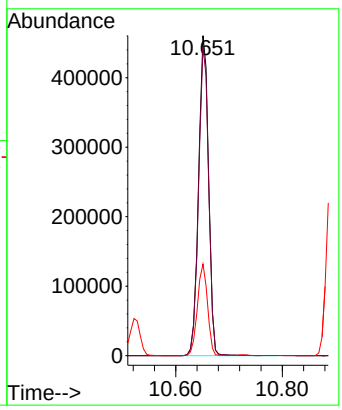


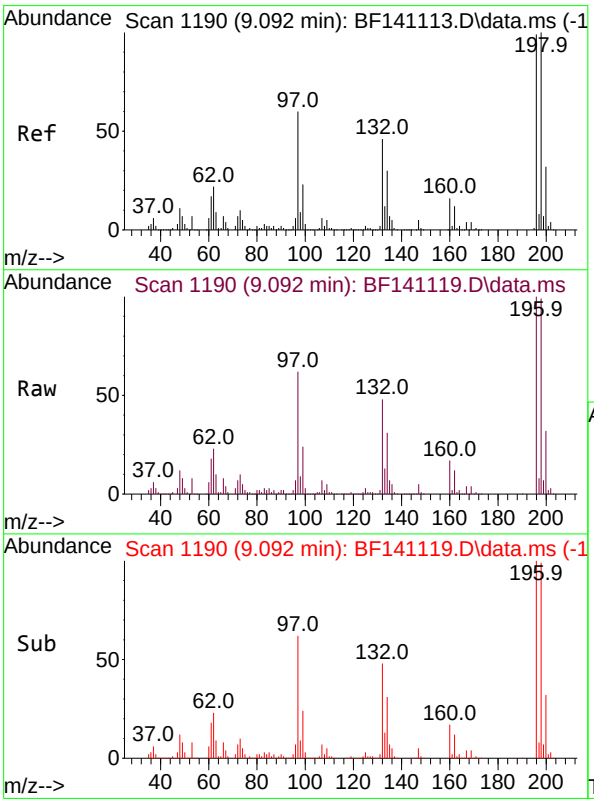

#42
2,4,6-Tribromophenol
Concen: 154.132 ng
RT: 10.651 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:330 Resp: 601438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 76.9 | 115.3 |
| 141 | 28.9 | 25.2 | 37.8 |

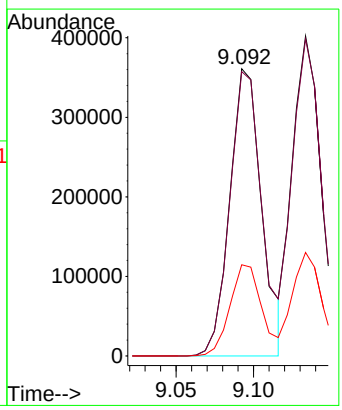


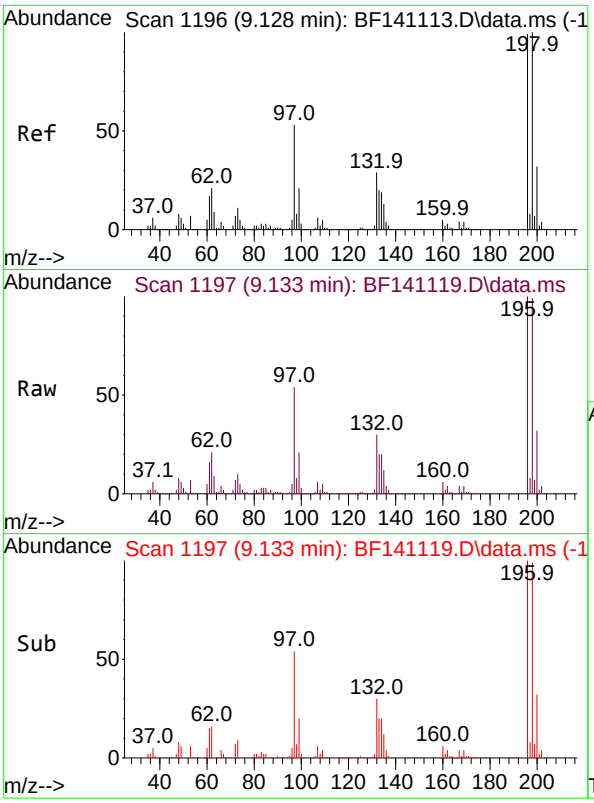




#43
2,4,6-Trichlorophenol
Concen: 77.920 ng
RT: 9.092 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:196 Resp: 516551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.0 | 80.8 | 121.2 |
| 200 | 31.7 | 25.7 | 38.5 |



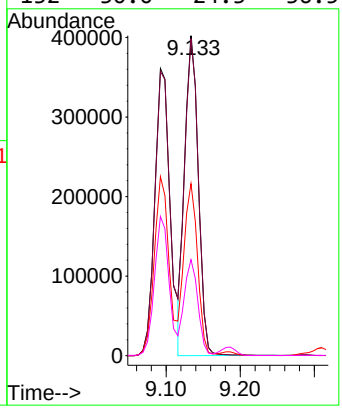


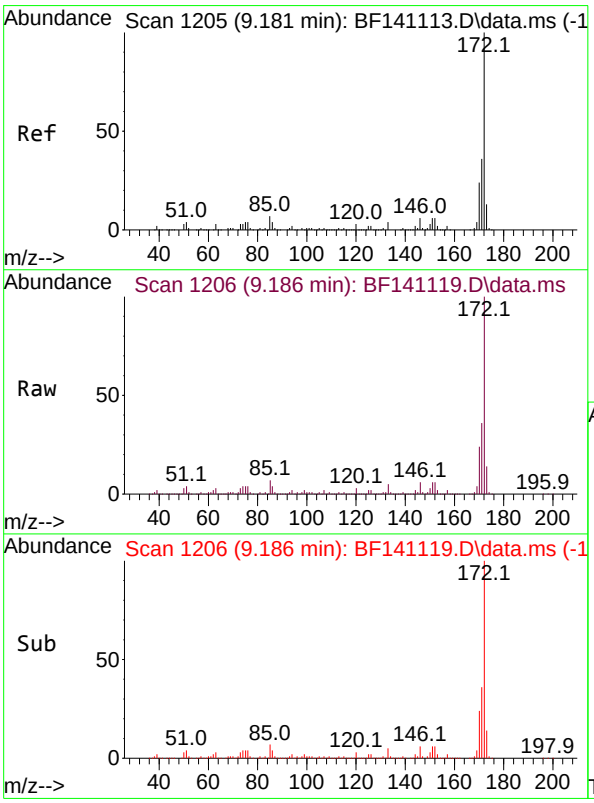

#44
2,4,5-Trichlorophenol
Concen: 73.839 ng
RT: 9.133 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:196 Resp: 516966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.1 | 80.6 | 120.8 |
| 97 | 53.8 | 43.1 | 64.7 |
| 132 | 30.0 | 24.3 | 36.5 |

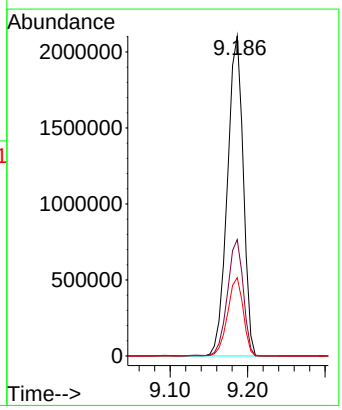


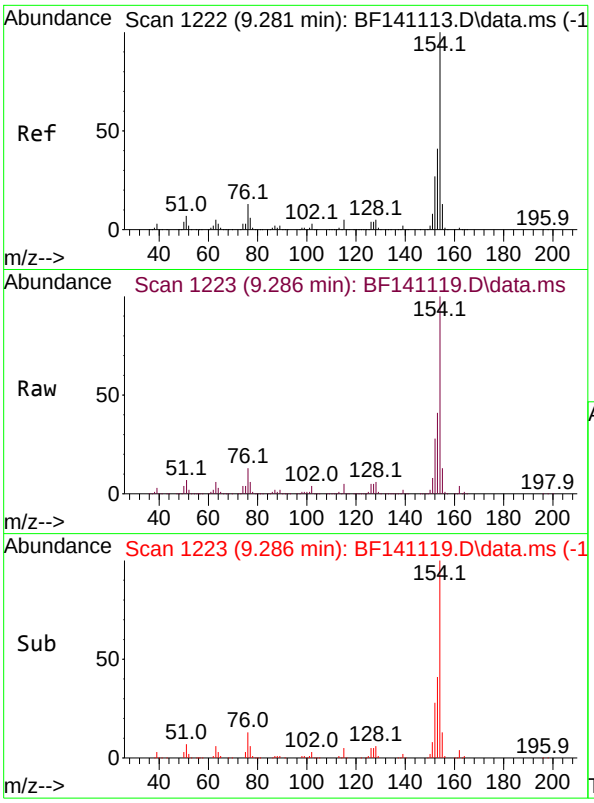




#45
2-Fluorobiphenyl
Concen: 133.666 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:172 Resp: 2997639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.3 | 28.7 | 43.1 |
| 170 | 24.4 | 19.0 | 28.6 |



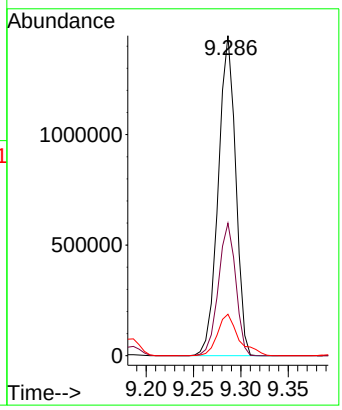


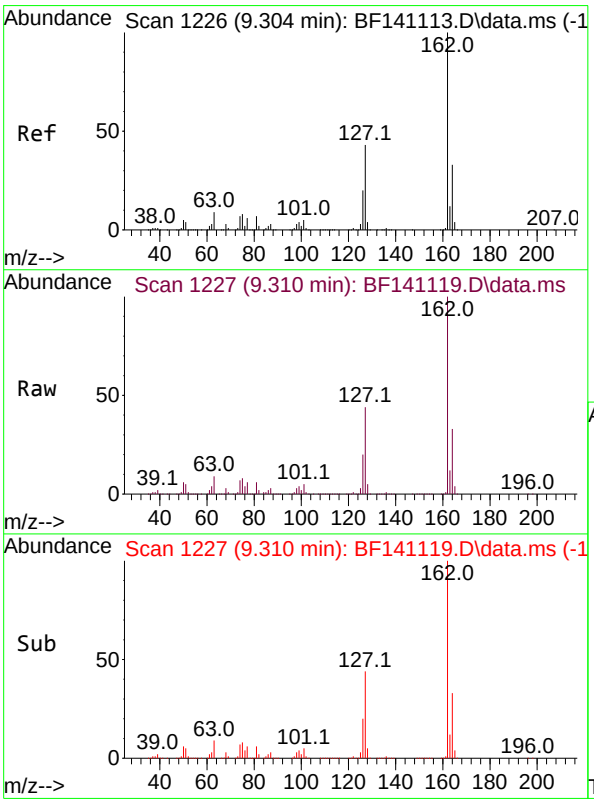

#46
1,1'-Biphenyl
Concen: 69.734 ng
RT: 9.286 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:154 Resp: 1854615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.4 | 20.7 | 60.7 |
| 76 | 12.9 | 0.0 | 33.1 |

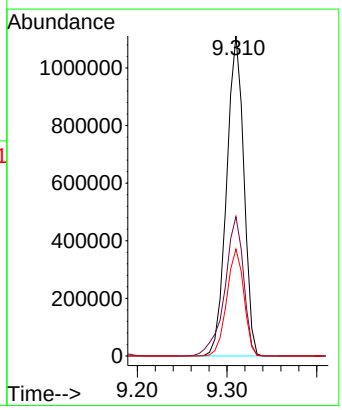


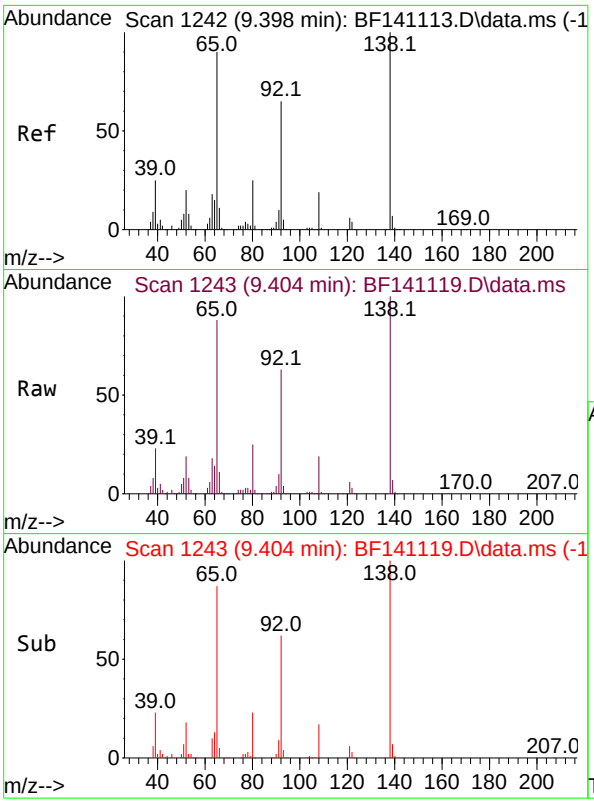




#47
2-Chloronaphthalene
Concen: 71.352 ng
RT: 9.310 min Scan# 1227
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:162 Resp: 1478014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.6 | 34.6 | 51.8 |
| 164 | 33.4 | 26.5 | 39.7 |



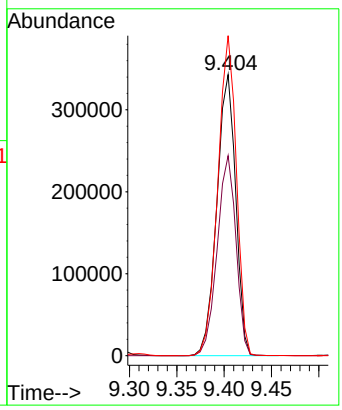


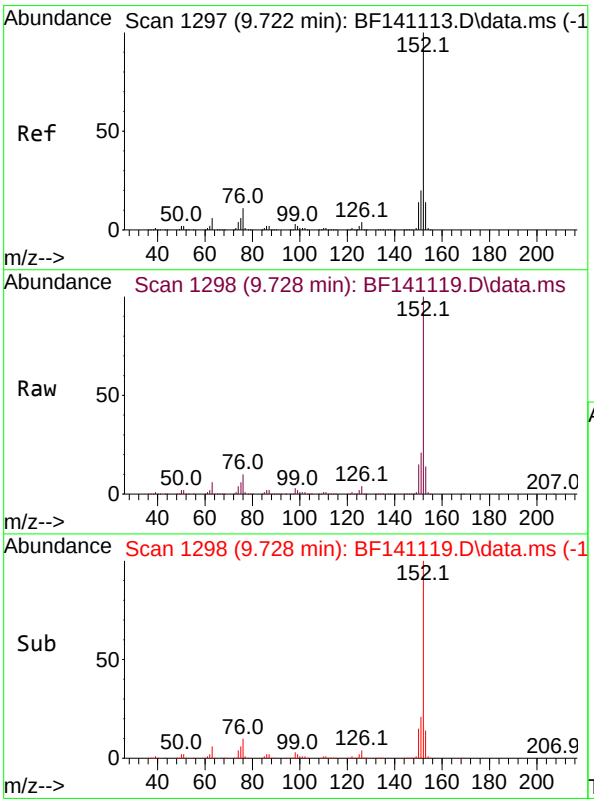

#48
2-Nitroaniline
Concen: 77.400 ng
RT: 9.404 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 65 Resp: 475269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.1 | 58.3 | 87.5 |
| 138 | 113.8 | 89.1 | 133.7 |

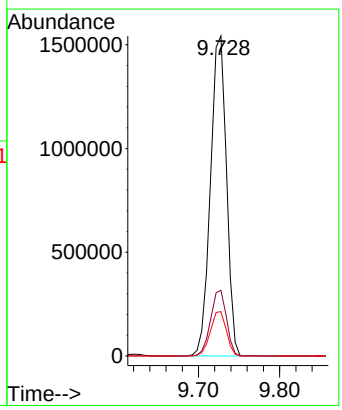


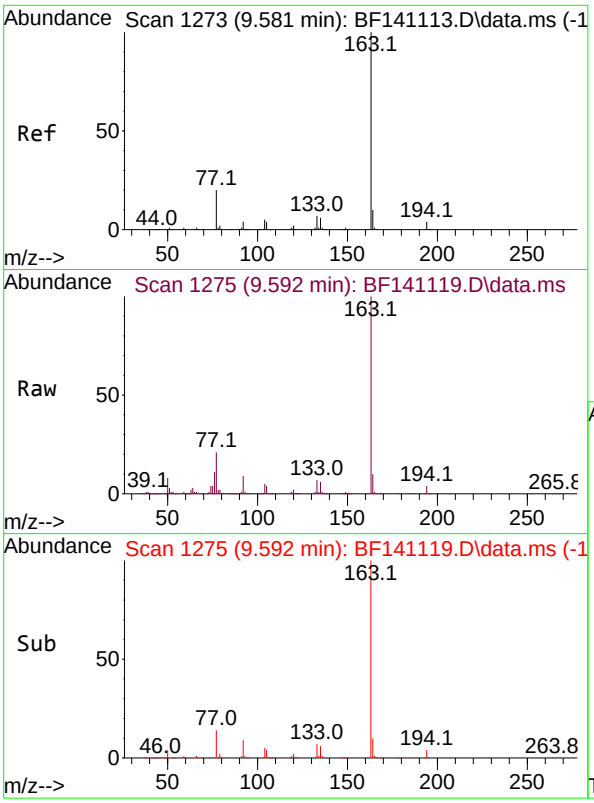




#49
Acenaphthylene
Concen: 71.297 ng
RT: 9.728 min Scan# 1298
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:152 Resp: 2110029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.1 | 24.1 |
| 153 | 13.8 | 11.1 | 16.7 |



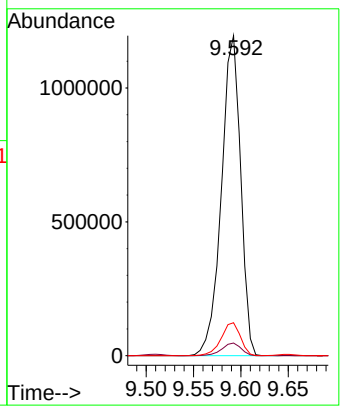


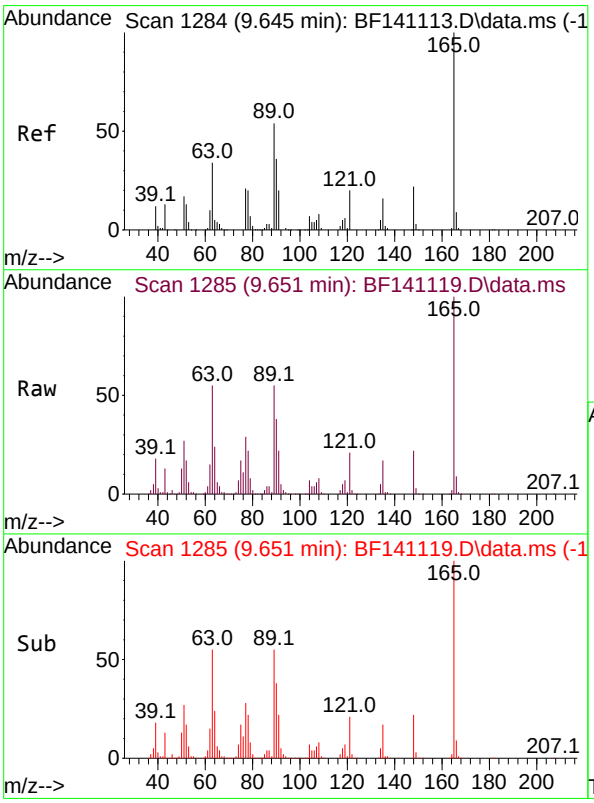

#50
Dimethylphthalate
Concen: 73.435 ng
RT: 9.592 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:163 Resp: 1688321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.0 | 4.6 |
| 164 | 10.3 | 8.2 | 12.4 |

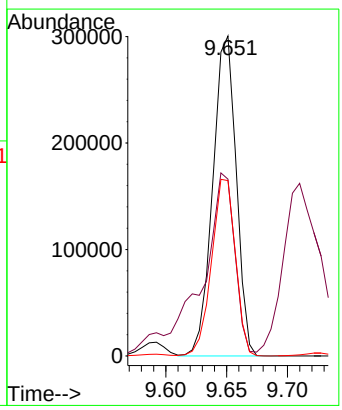


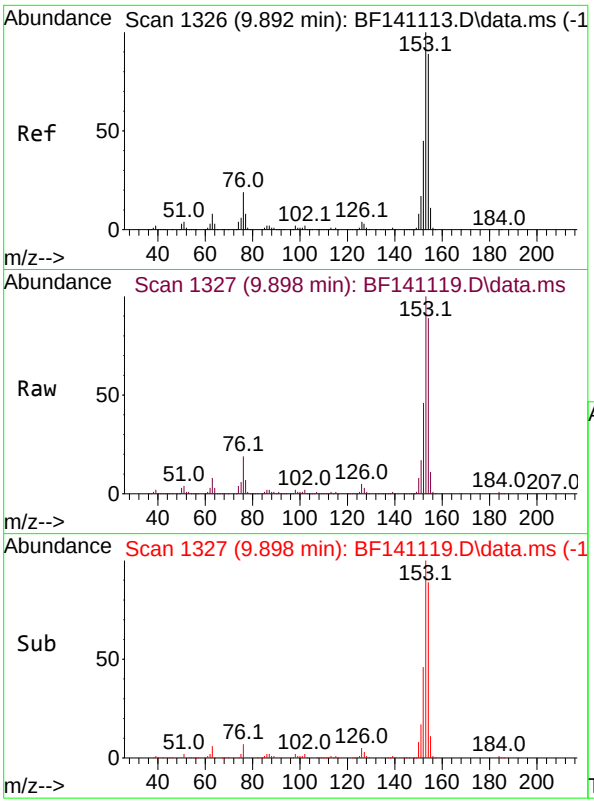




#51
2,6-Dinitrotoluene
Concen: 75.439 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:165 Resp: 403325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 55.2 | 42.3 | 63.5 |
| 89 | 54.8 | 43.1 | 64.7 |



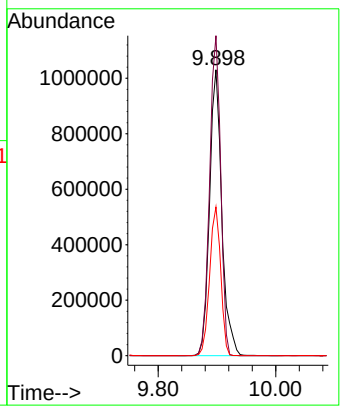


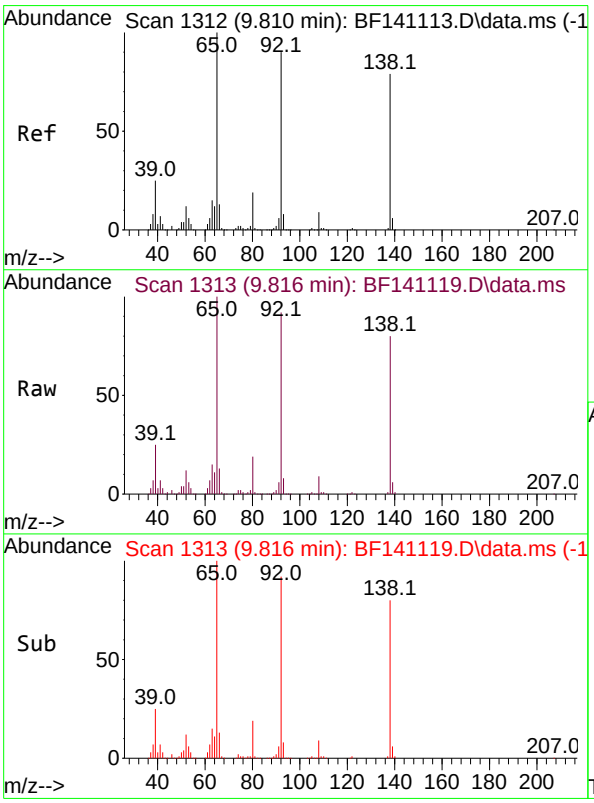

#52
Acenaphthene
Concen: 71.956 ng
RT: 9.898 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:154 Resp: 1487806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.9 | 89.8 | 134.6 |
| 152 | 52.0 | 40.8 | 61.2 |

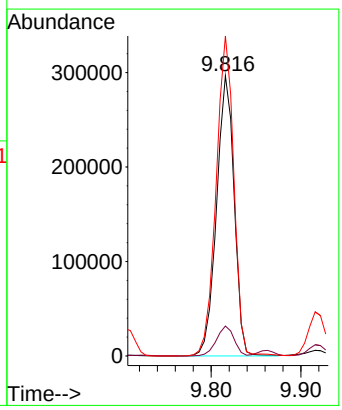


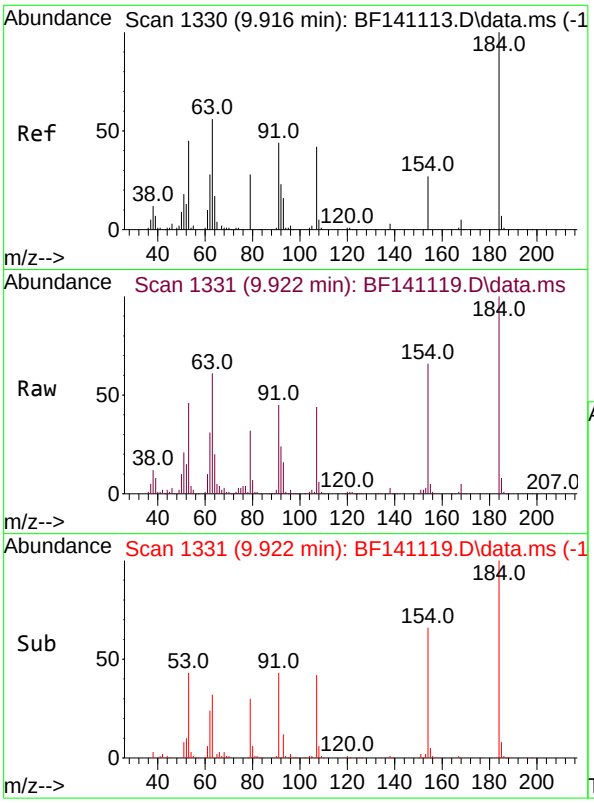




#53
3-Nitroaniline
Concen: 74.366 ng
RT: 9.816 min Scan# 1313
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:138 Resp: 404031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.7 | 8.8 | 13.2 |
| 92 | 114.2 | 91.3 | 136.9 |



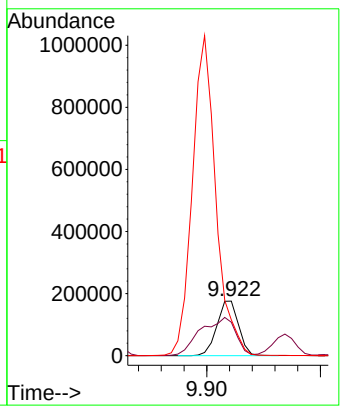


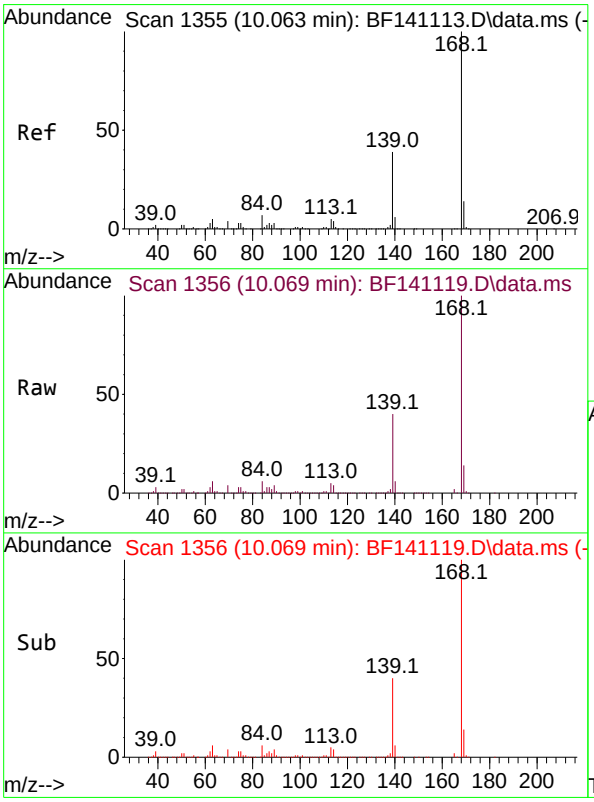

#54
2,4-Dinitrophenol
Concen: 91.933 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:184 Resp: 233623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 61.4 | 48.7 | 73.1 |
| 154 | 65.8 | 57.1 | 85.7 |

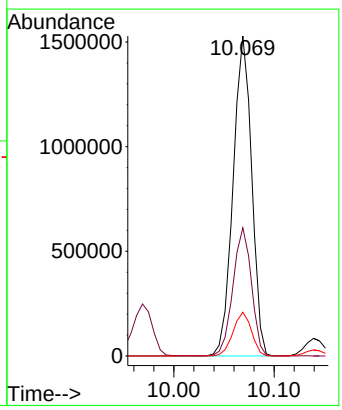


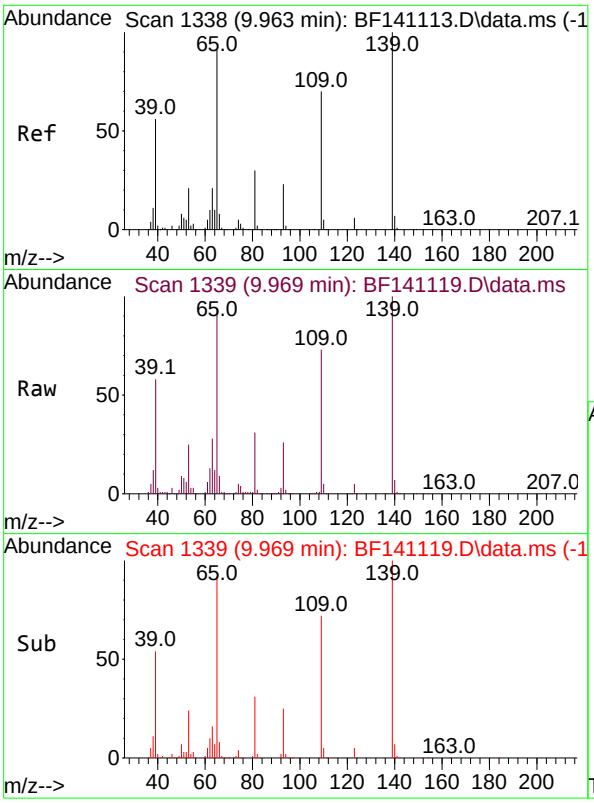




#55
Dibenzofuran
Concen: 70.137 ng
RT: 10.069 min Scan# 1356
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:168 Resp: 1972541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.1 | 31.4 | 47.0 |
| 169 | 13.6 | 10.9 | 16.3 |



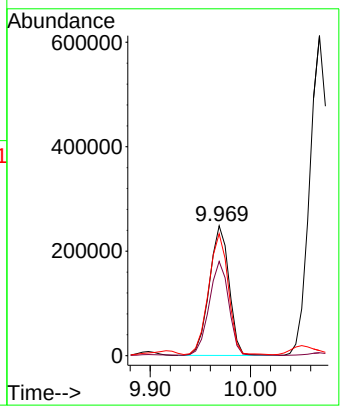


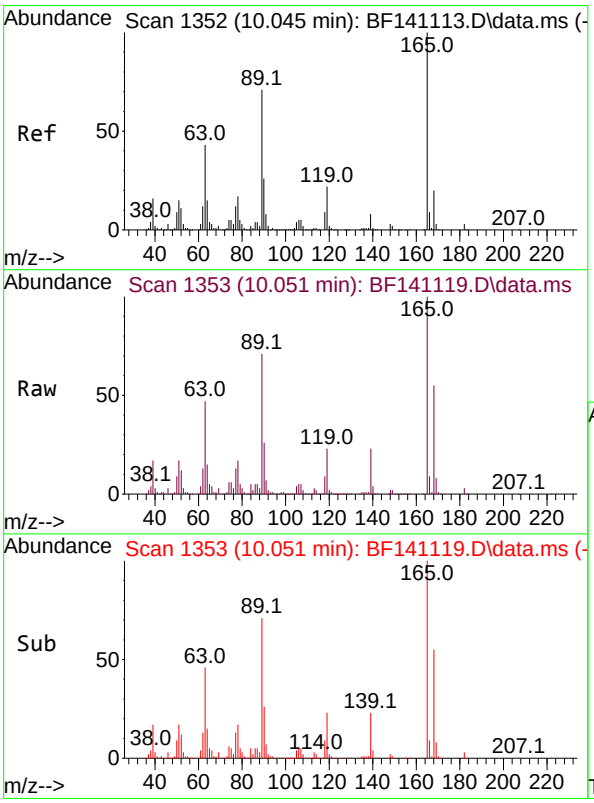

#56
4-Nitrophenol
Concen: 79.690 ng
RT: 9.969 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:139 Resp: 339082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 72.6 | 50.2 | 90.2 |
| 65 | 93.8 | 72.1 | 112.1 |

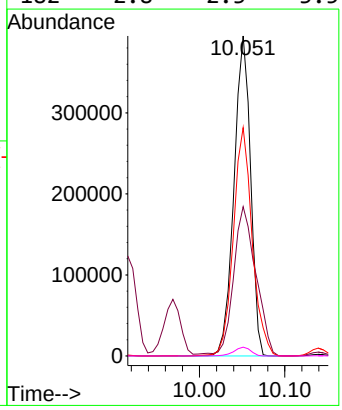


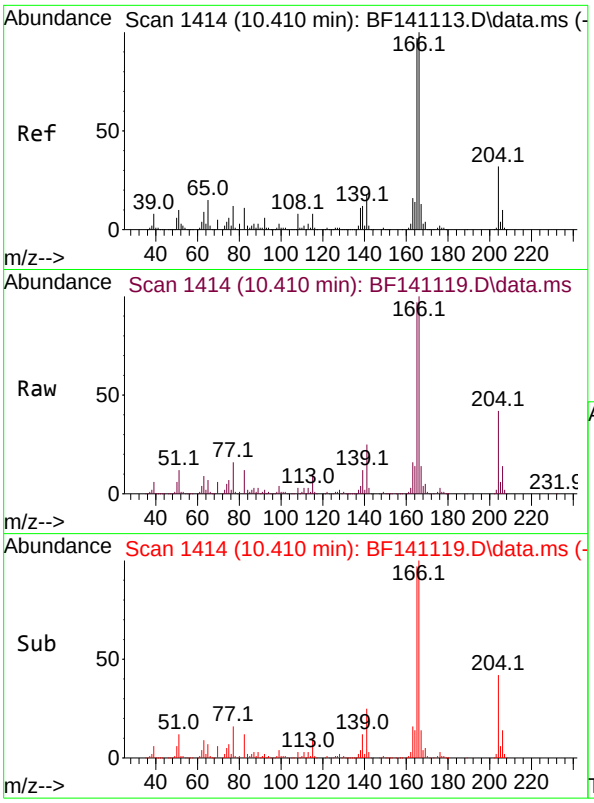




#57
2,4-Dinitrotoluene
Concen: 77.452 ng
RT: 10.051 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:165 Resp: 533647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 46.6 | 35.0 | 52.4 |
| 89 | 71.3 | 56.7 | 85.1 |
| 182 | 2.8 | 2.3 | 3.5 |



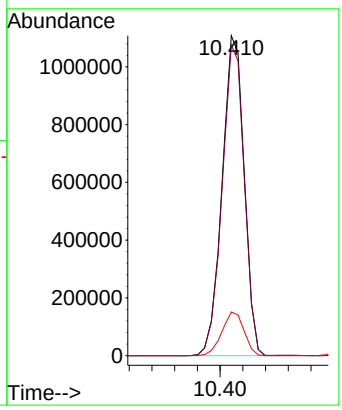


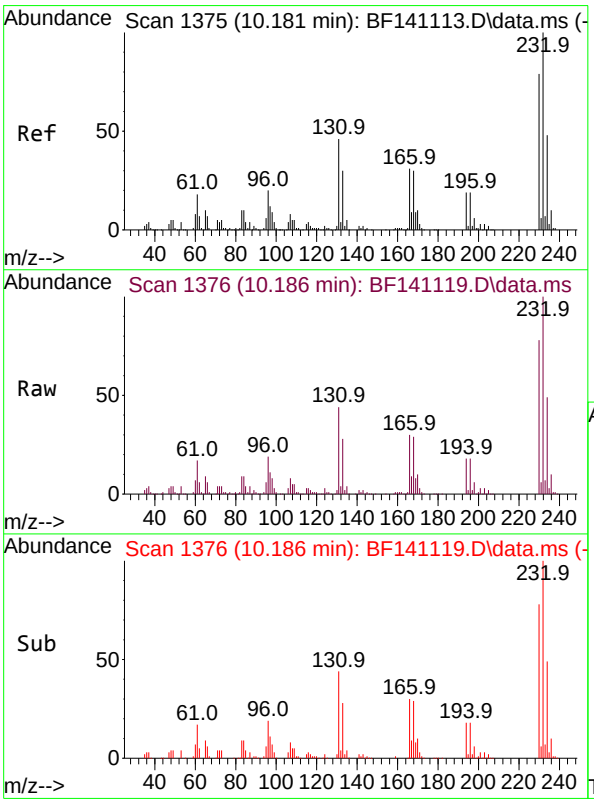

#58
Fluorene
Concen: 68.372 ng
RT: 10.410 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:166 Resp: 1493903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.1 | 77.8 | 116.8 |
| 167 | 13.6 | 10.8 | 16.2 |

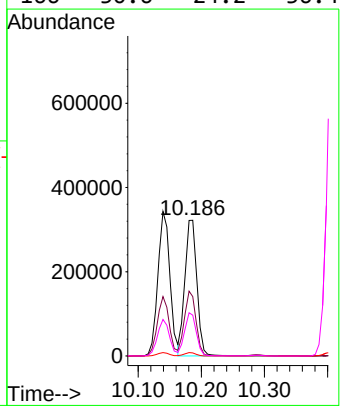


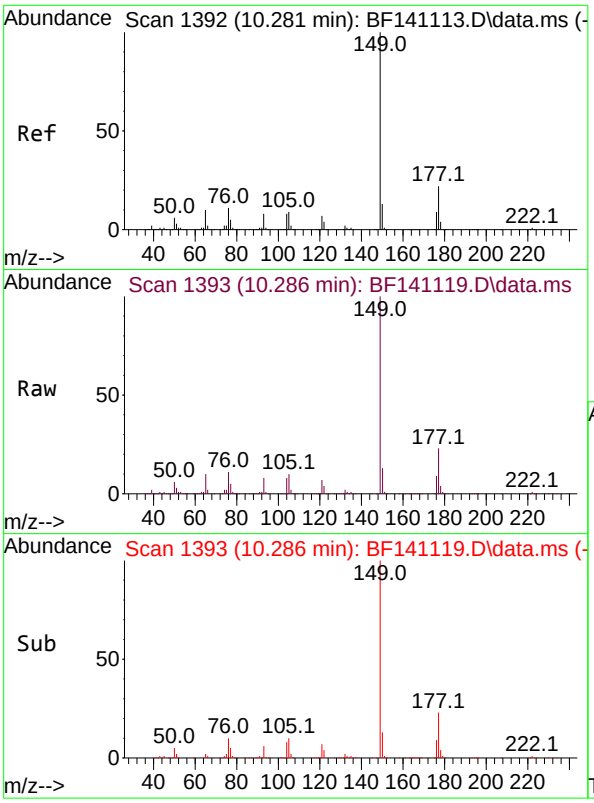




#59
2,3,4,6-Tetrachlorophenol
Concen: 73.631 ng
RT: 10.186 min Scan# 1376
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:232 Resp: 428499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.8 | 36.2 | 54.4 |
| 130 | 2.4 | 2.0 | 3.0 |
| 166 | 30.6 | 24.2 | 36.4 |



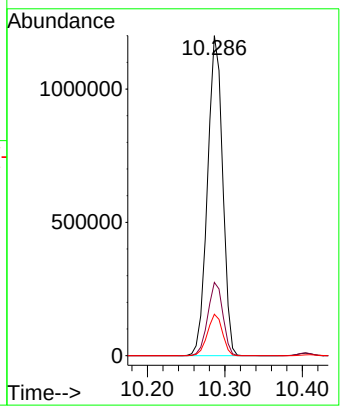


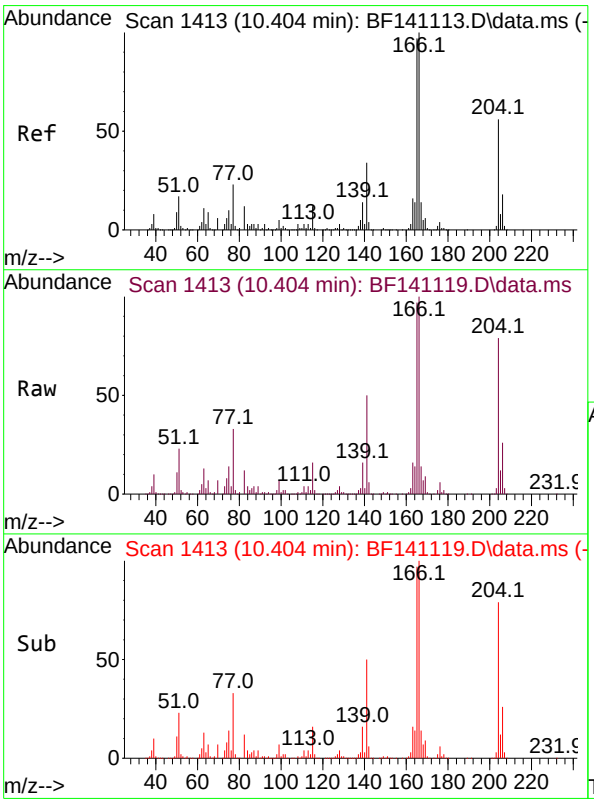

#60
Diethylphthalate
Concen: 72.366 ng
RT: 10.286 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 1624226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.9 | 17.9 | 26.9 |
| 150 | 12.9 | 10.2 | 15.2 |

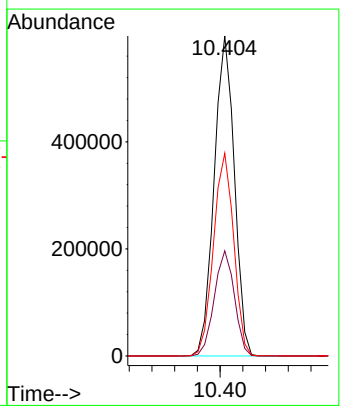


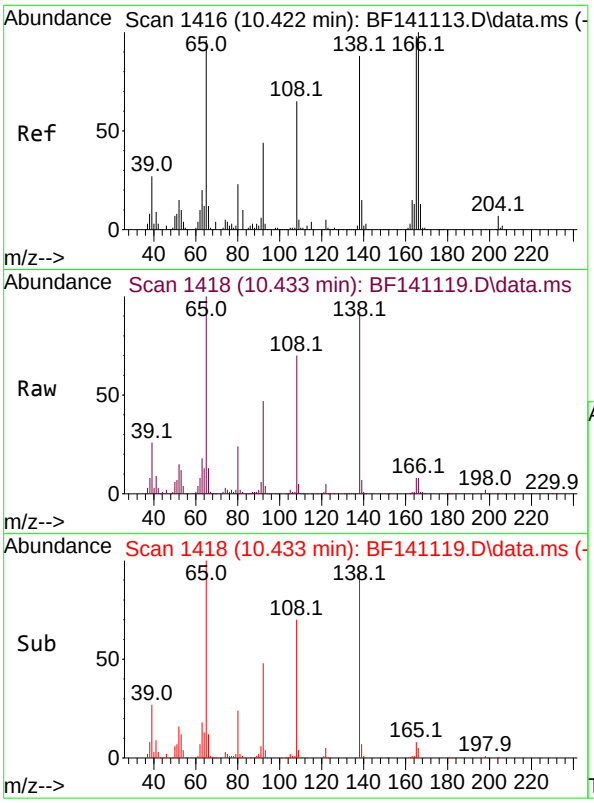




#61
4-Chlorophenyl-phenylether
Concen: 69.400 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:204 Resp: 739051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.8 | 25.9 | 38.9 |
| 141 | 63.4 | 49.1 | 73.7 |



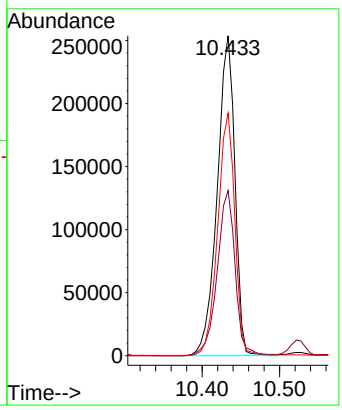


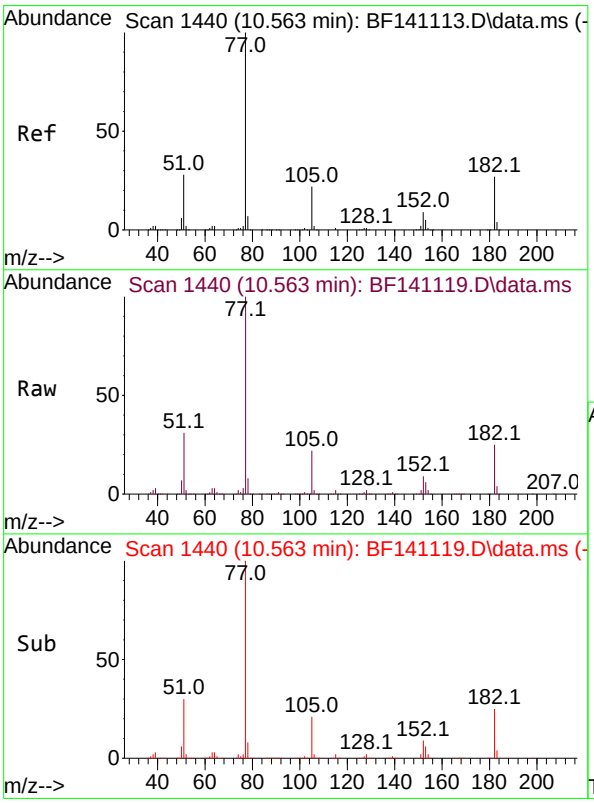

#62
4-Nitroaniline
Concen: 75.992 ng
RT: 10.433 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:138 Resp: 404093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.6 | 29.4 | 69.4 |
| 108 | 75.8 | 53.7 | 93.7 |

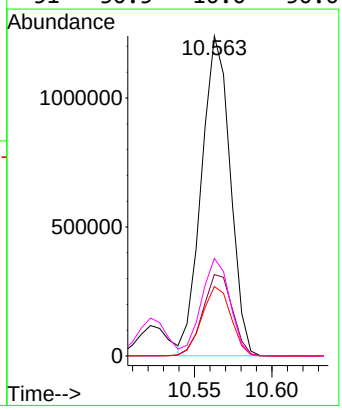


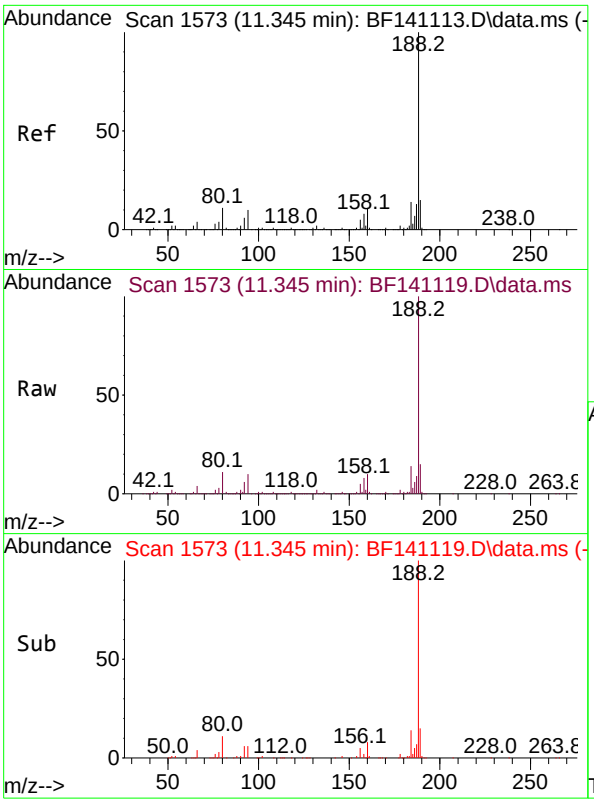




#63
Azobenzene
Concen: 72.150 ng
RT: 10.563 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 77 Resp: 1597886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.4 | 6.1 | 46.1 |
| 105 | 21.7 | 2.1 | 42.1 |
| 51 | 30.5 | 10.0 | 50.0 |



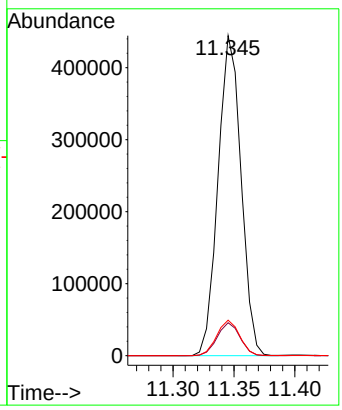


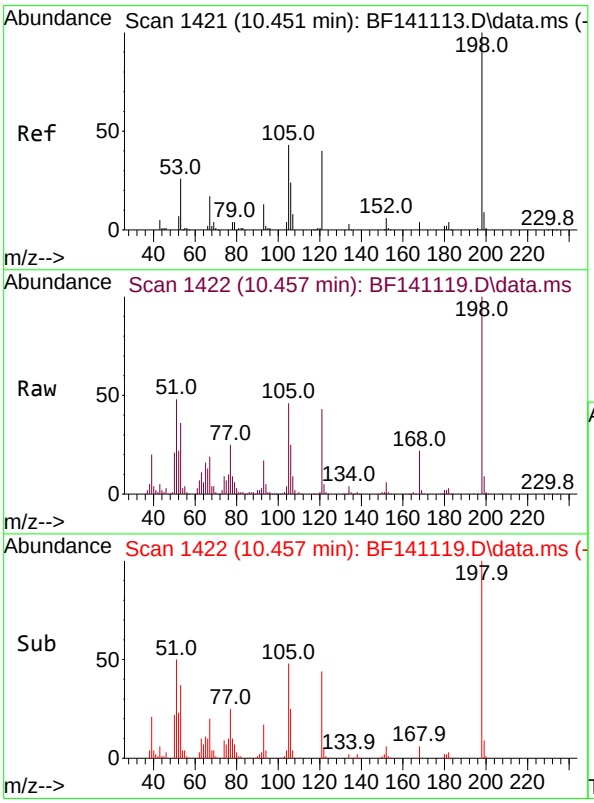

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:188 Resp: 584387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.3 | 8.3 | 12.5 |
| 80 | 11.1 | 9.0 | 13.4 |

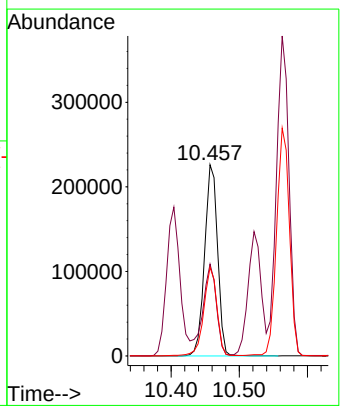


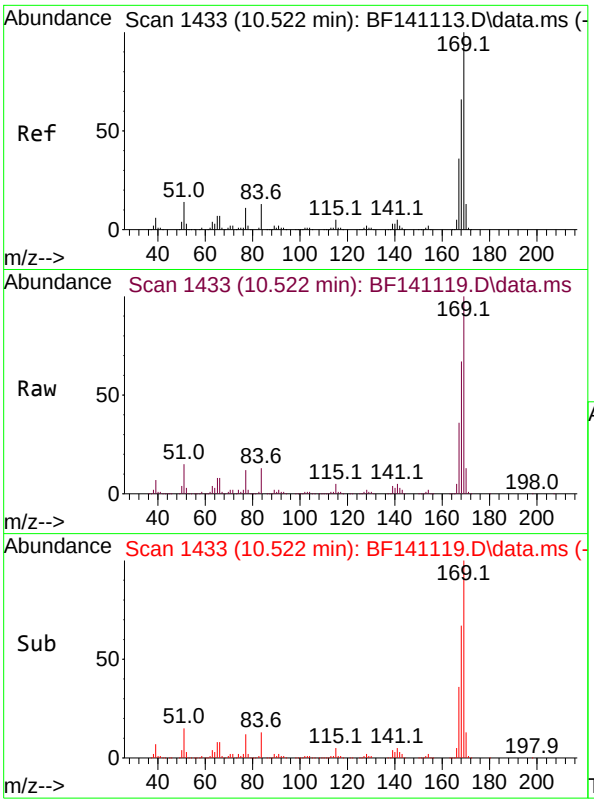




#65
4,6-Dinitro-2-methylphenol
Concen: 88.510 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:198 Resp: 299726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 48.0 | 27.1 | 67.1 |
| 105 | 46.4 | 24.2 | 64.2 |



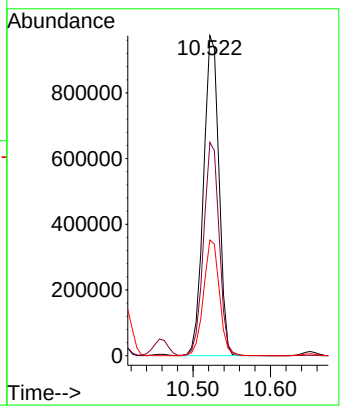


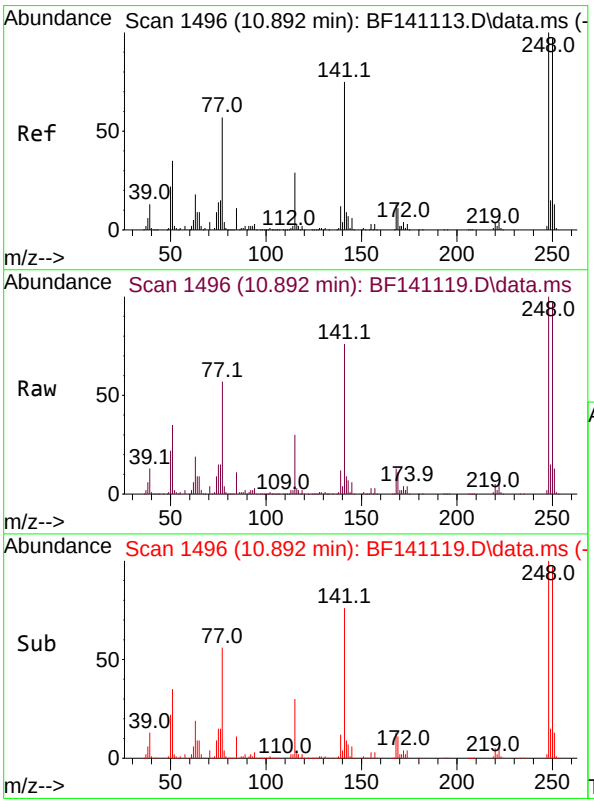

#66
n-Nitrosodiphenylamine
Concen: 71.129 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:169 Resp: 1340718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.6 | 52.5 | 78.7 |
| 167 | 36.1 | 28.9 | 43.3 |

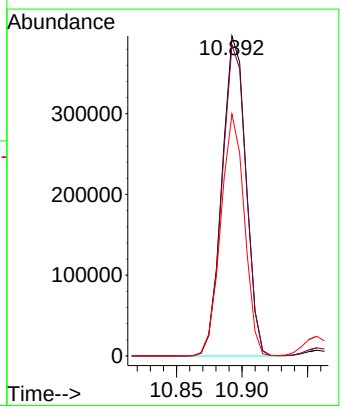


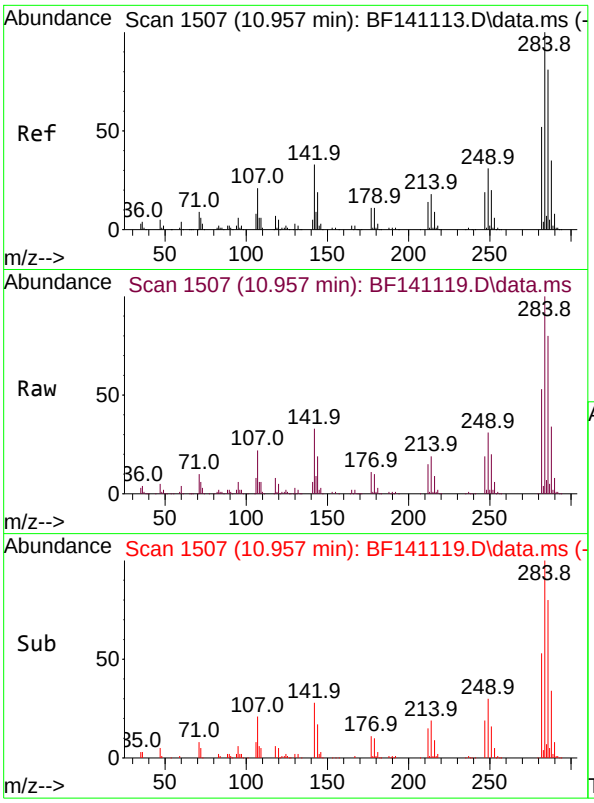




#67
4-Bromophenyl-phenylether
Concen: 74.715 ng
RT: 10.892 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:248 Resp: 502690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.2 | 77.9 | 116.9 |
| 141 | 75.6 | 59.9 | 89.9 |



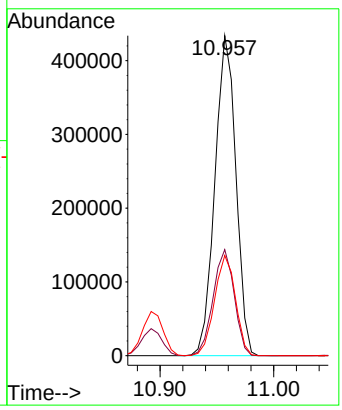


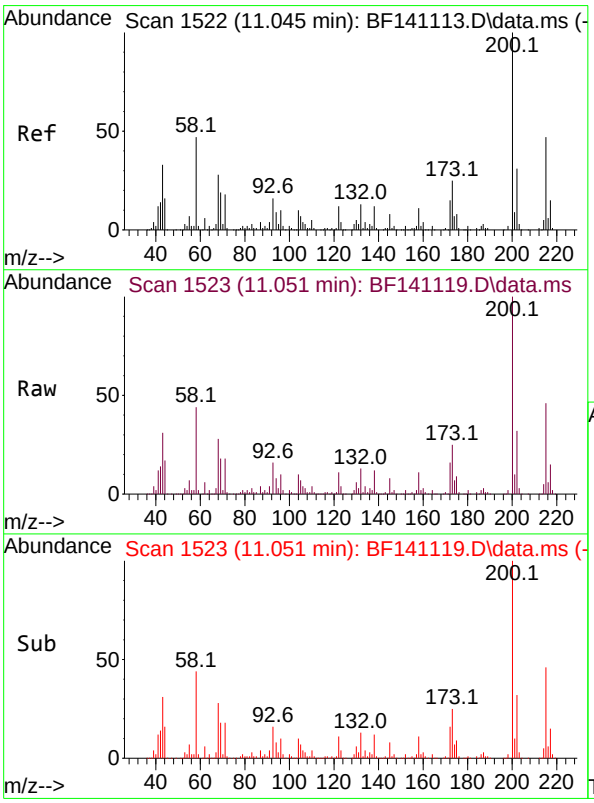

#68
Hexachlorobenzene
Concen: 74.464 ng
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:284 Resp: 557705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.2 | 26.3 | 39.5 |
| 249 | 31.3 | 24.9 | 37.3 |

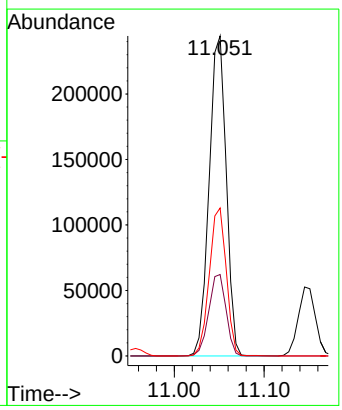


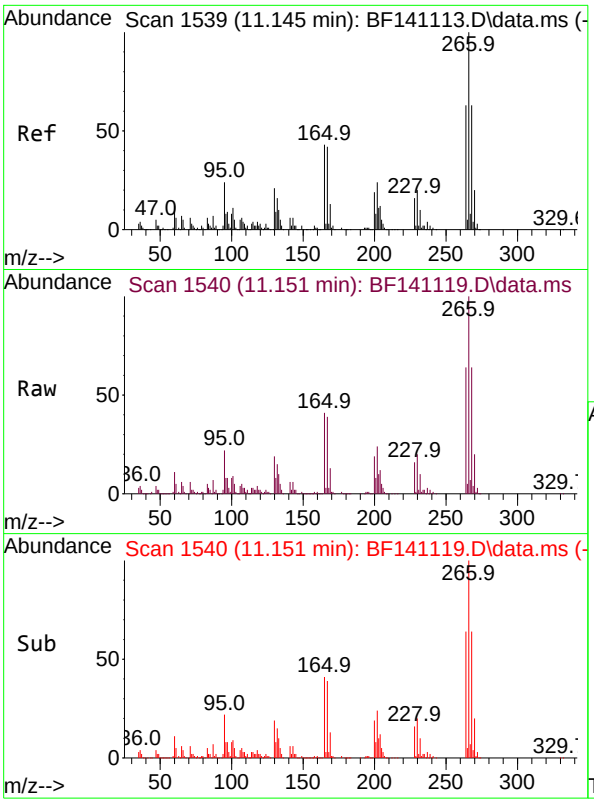




#69
Atrazine
Concen: 63.598 ng
RT: 11.051 min Scan# 1523
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:200 Resp: 322778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.4 | 5.4 | 45.4 |
| 215 | 46.3 | 26.6 | 66.6 |



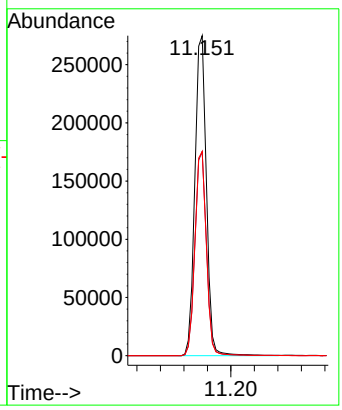


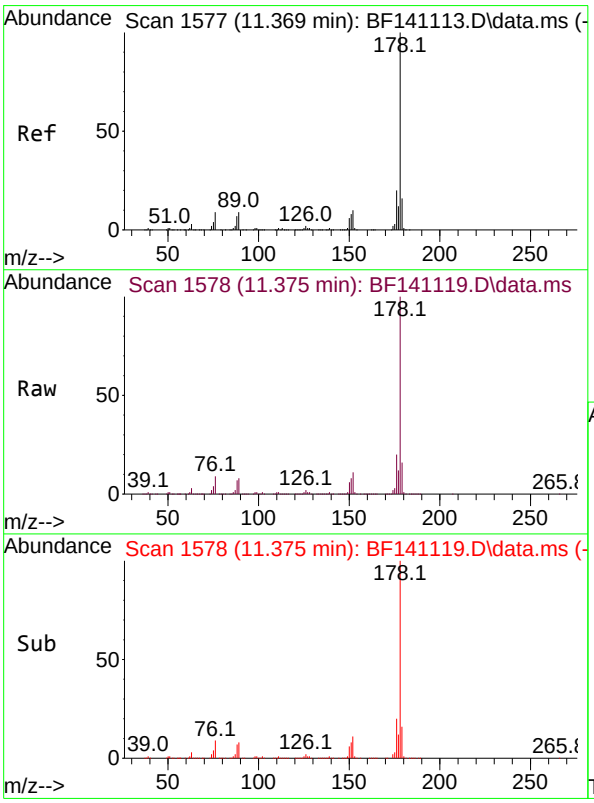

#70
Pentachlorophenol
Concen: 77.927 ng
RT: 11.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:266 Resp: 373762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.7 | 50.4 | 75.6 |
| 264 | 63.8 | 50.2 | 75.2 |

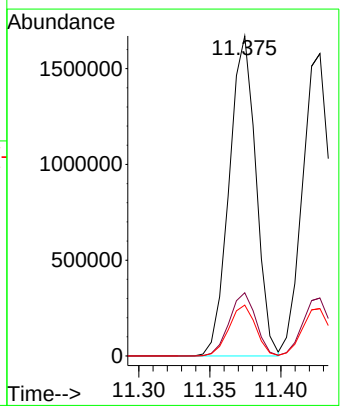


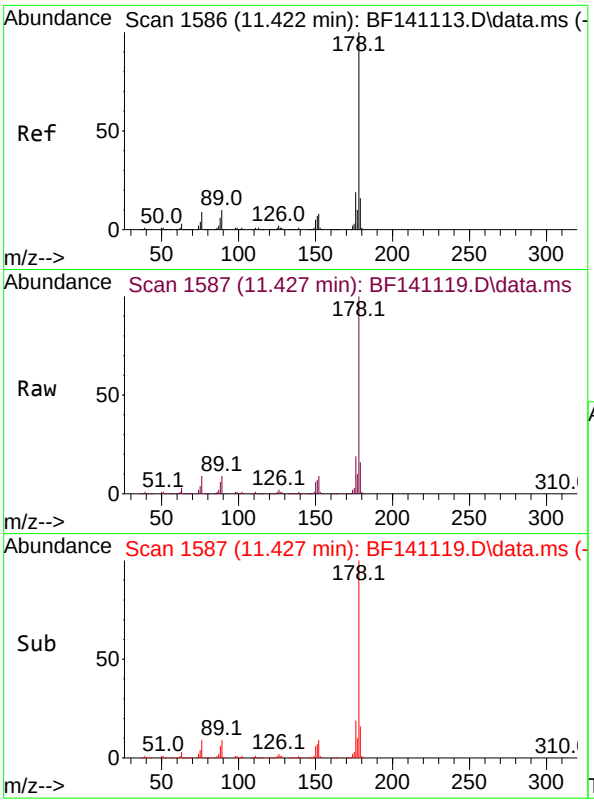




#71
Phenanthrene
Concen: 69.691 ng
RT: 11.375 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:178 Resp: 2186474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 15.7 | 23.5 |
| 179 | 15.9 | 12.6 | 19.0 |



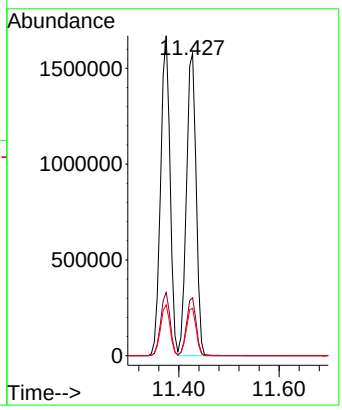


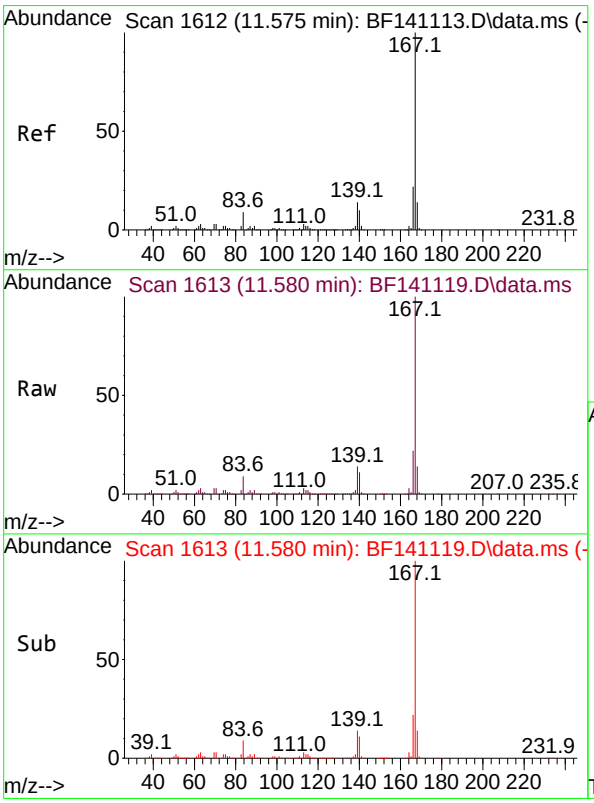

#72
Anthracene
Concen: 69.565 ng
RT: 11.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:178 Resp: 2122167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 14.9 | 22.3 |
| 179 | 15.7 | 12.6 | 19.0 |

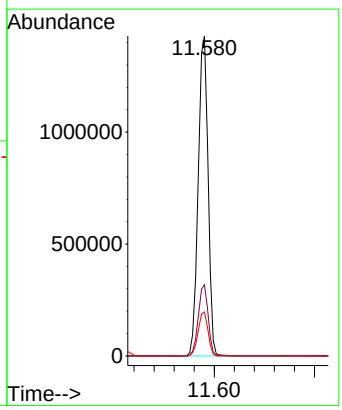


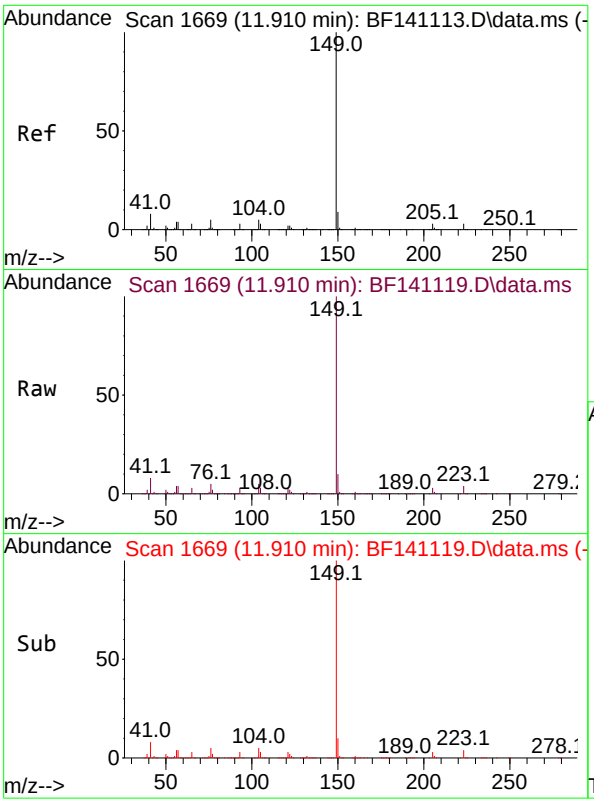




#73
Carbazole
Concen: 69.597 ng
RT: 11.580 min Scan# 1613
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:167 Resp: 1946776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.2 | 17.4 | 26.2 |
| 139 | 13.8 | 10.9 | 16.3 |



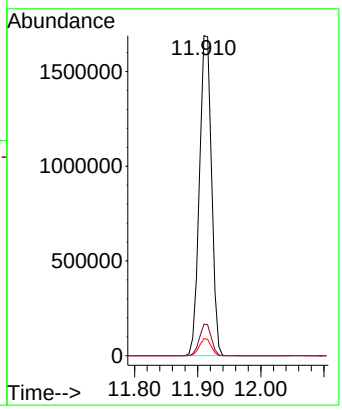


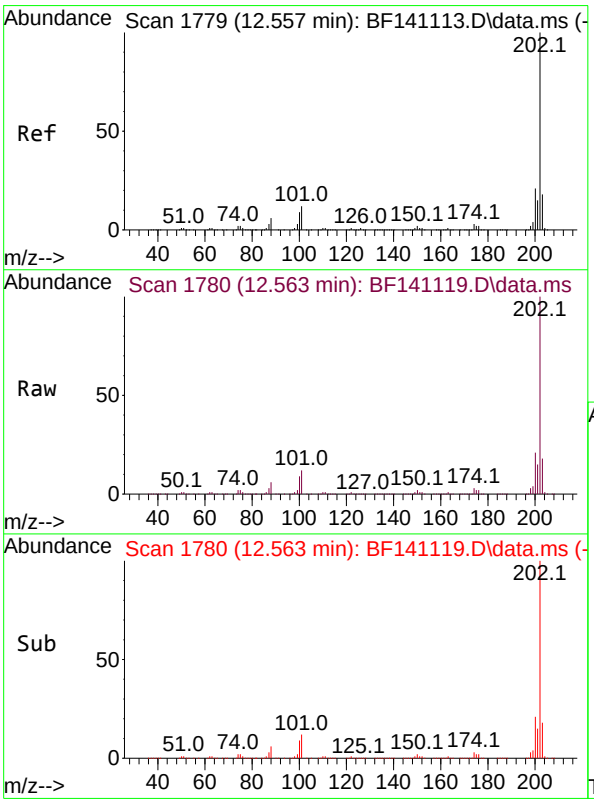

#74
Di-n-butylphthalate
Concen: 69.986 ng
RT: 11.910 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 2240405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.8 | 7.4 | 11.2 |
| 104 | 5.4 | 4.2 | 6.2 |

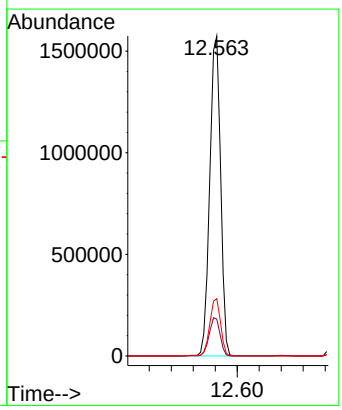


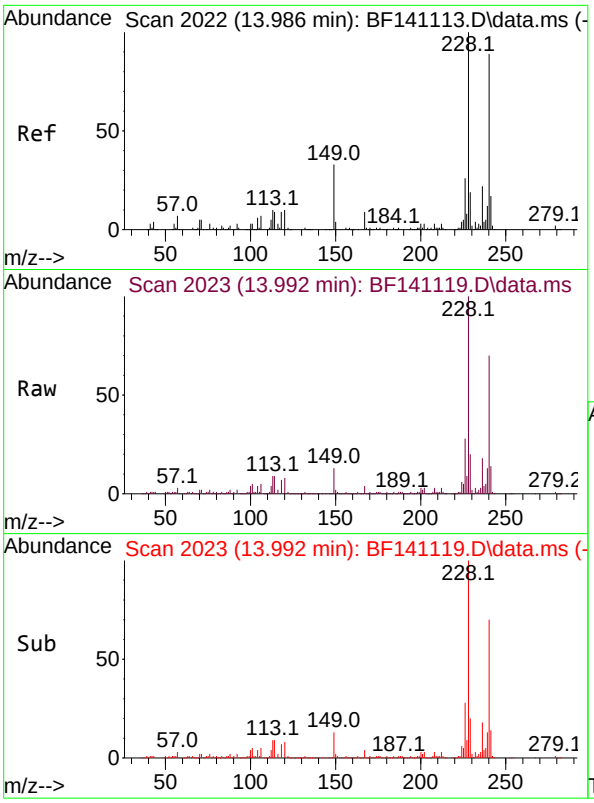




#75
Fluoranthene
Concen: 68.895 ng
RT: 12.563 min Scan# 1780
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:202 Resp: 2156966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.6 | 0.0 | 32.3 |
| 203 | 17.9 | 0.0 | 37.7 |



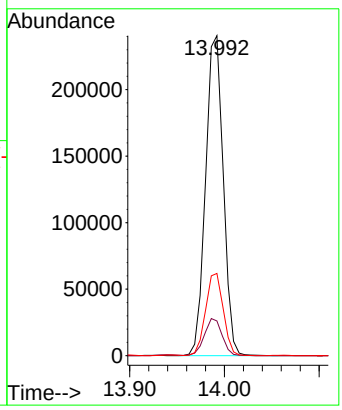


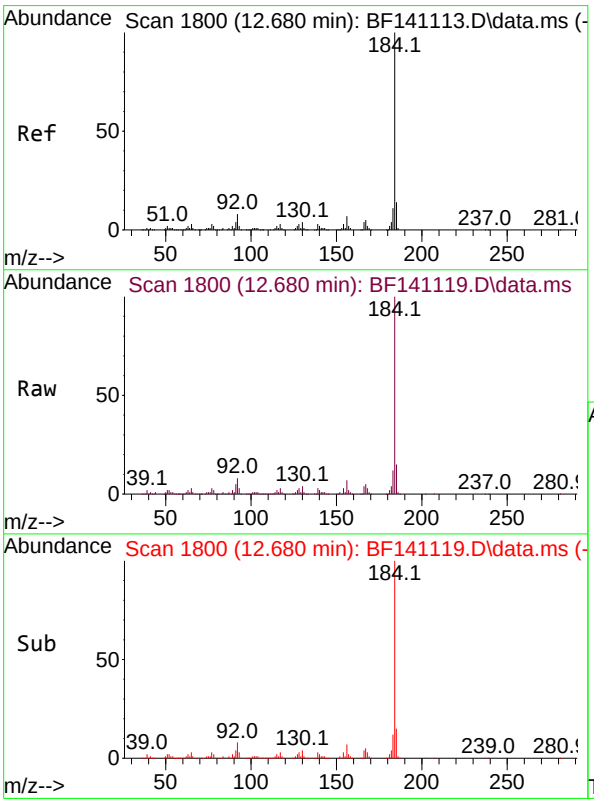

#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:240 Resp: 310879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.8 | 9.1 | 13.7 |
| 236 | 25.7 | 19.8 | 29.6 |

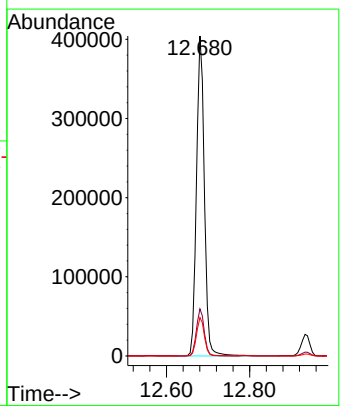


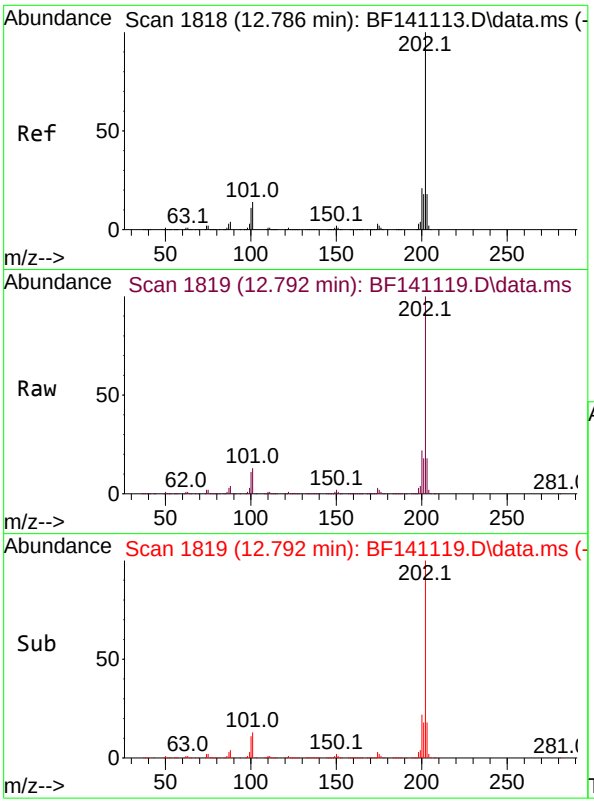




#77
Benzidine
Concen: 92.821 ng
RT: 12.680 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:184 Resp: 535121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 11.4 | 17.0 |
| 183 | 12.0 | 9.2 | 13.8 |



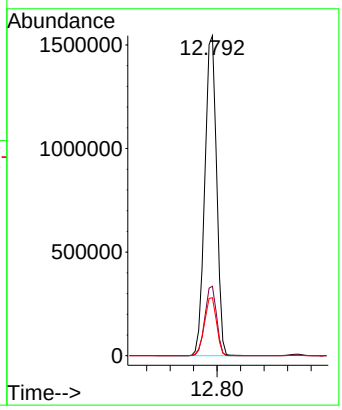


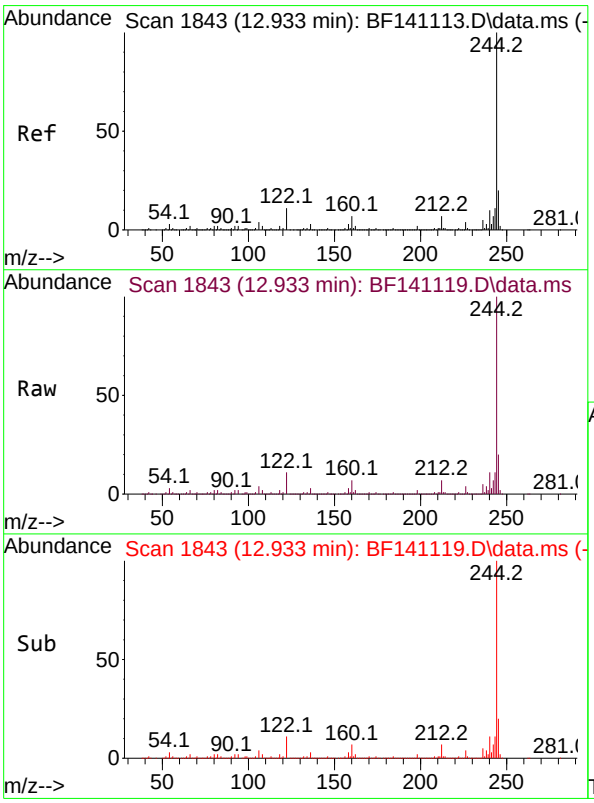

#78
Pyrene
Concen: 72.034 ng
RT: 12.792 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:202 Resp: 2138910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.7 | 16.8 | 25.2 |
| 203 | 18.1 | 14.3 | 21.5 |

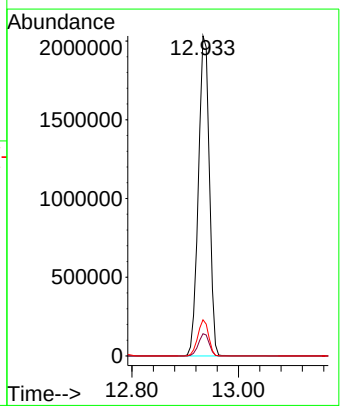


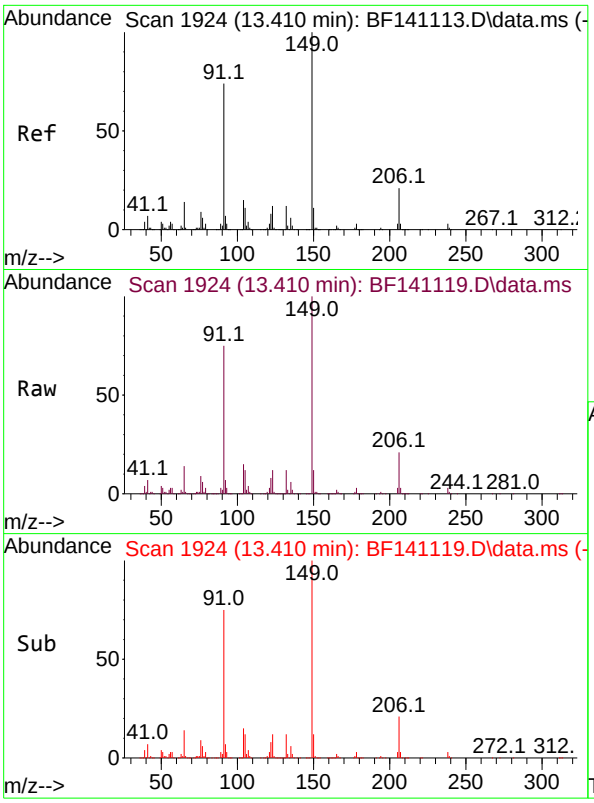




#79
Terphenyl-d14
Concen: 138.433 ng
RT: 12.933 min Scan# 1843
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:244 Resp: 2895506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.4 | 8.2 |
| 122 | 11.3 | 8.8 | 13.2 |



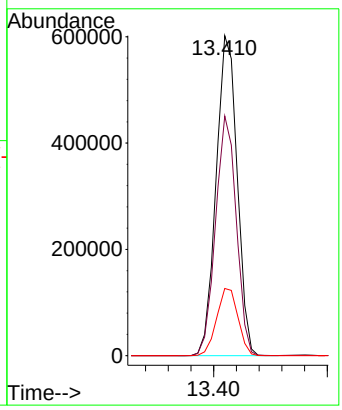


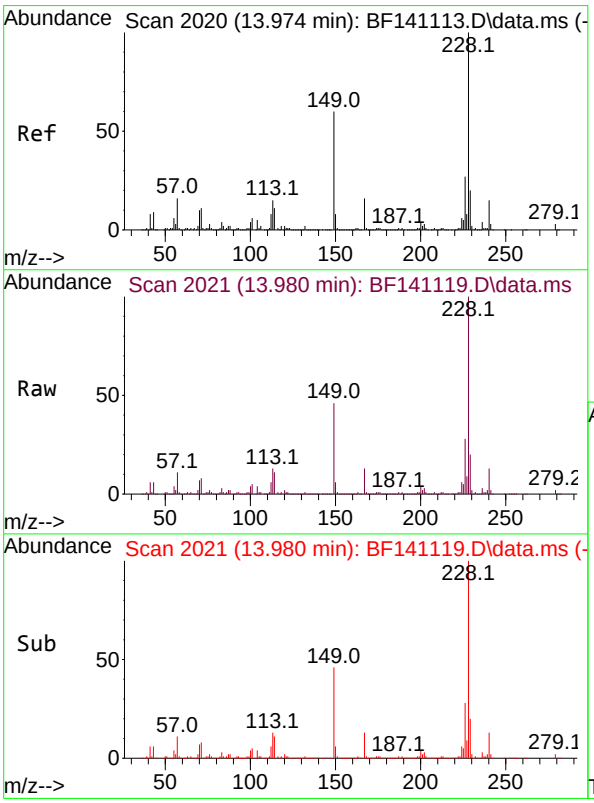

#80
Butylbenzylphthalate
Concen: 78.297 ng
RT: 13.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 775127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 74.9 | 59.0 | 88.6 |
| 206 | 21.0 | 16.5 | 24.7 |

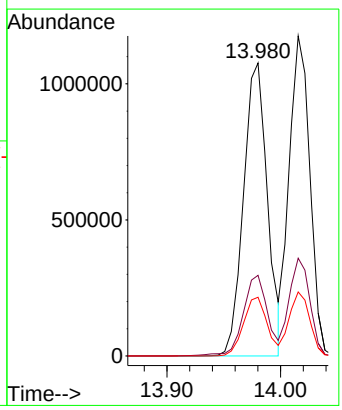


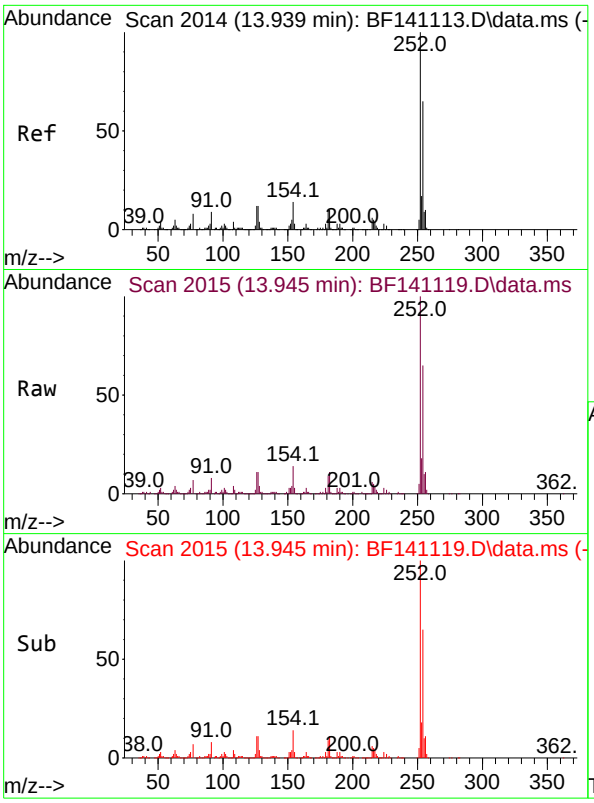




#81
Benzo(a)anthracene
Concen: 74.414 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:228 Resp: 1574387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.5 | 21.7 | 32.5 |
| 229 | 20.0 | 15.7 | 23.5 |



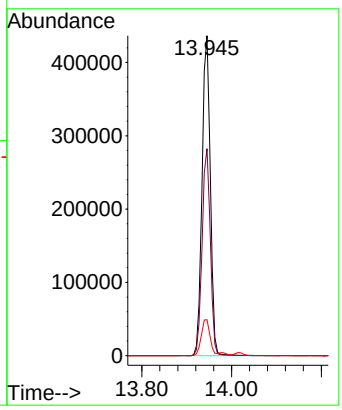


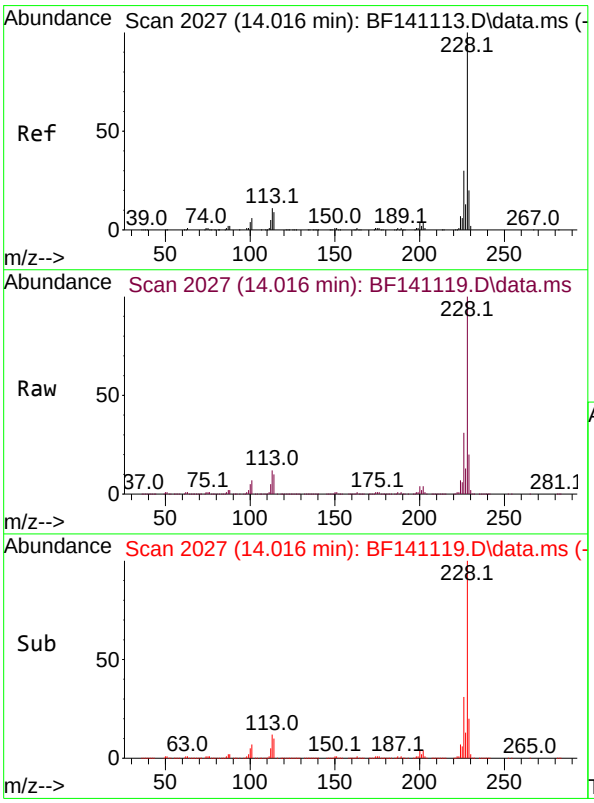

#82
3,3'-Dichlorobenzidine
Concen: 82.781 ng
RT: 13.945 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 557682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.7 | 52.0 | 78.0 |
| 126 | 11.3 | 9.4 | 14.0 |

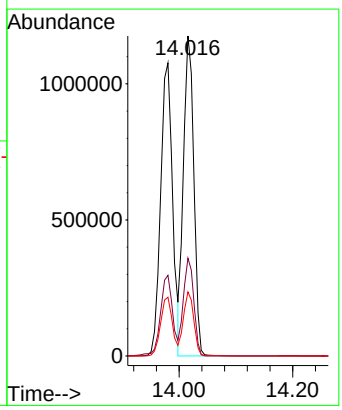


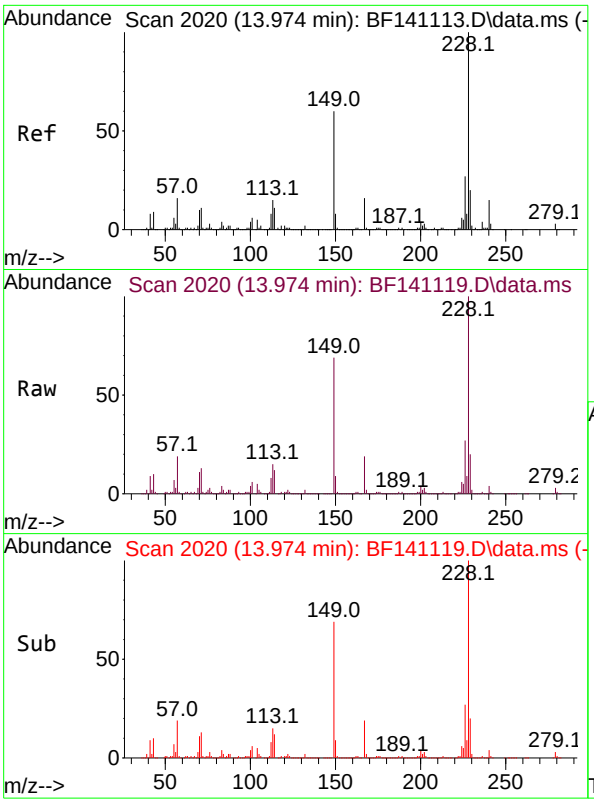




#83
Chrysene
Concen: 75.370 ng
RT: 14.016 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:228 Resp: 1492065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.6 | 23.8 | 35.8 |
| 229 | 20.0 | 15.8 | 23.8 |



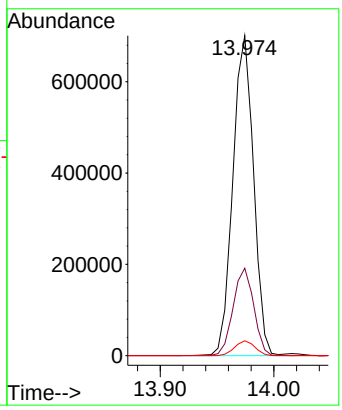


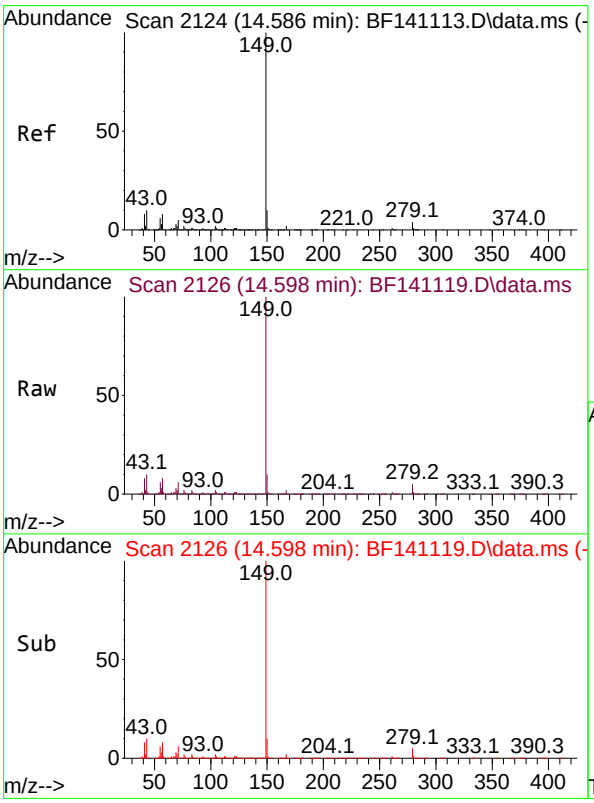

#84
Bis(2-ethylhexyl)phthalate
Concen: 74.589 ng
RT: 13.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 885991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.3 | 21.4 | 32.2 |
| 279 | 4.7 | 3.4 | 5.2 |

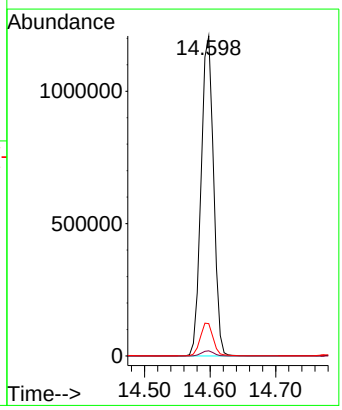


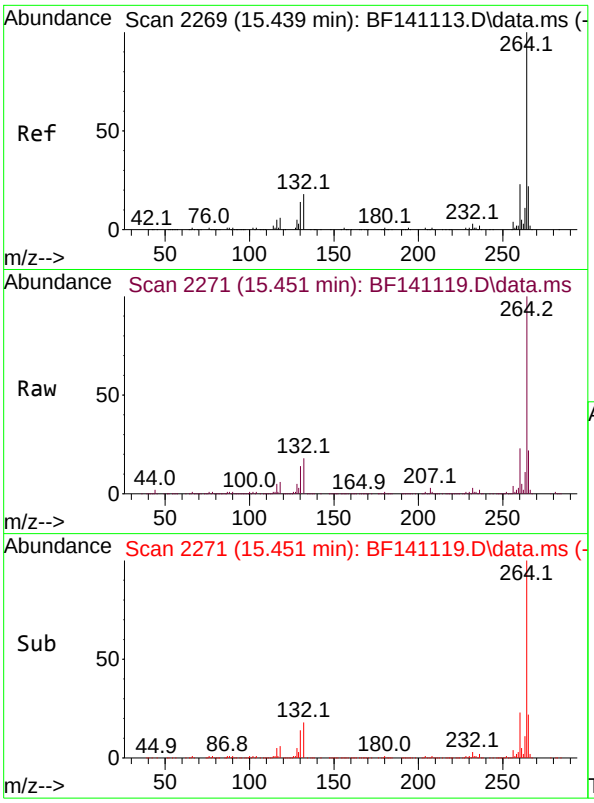




#85
Di-n-octyl phthalate
Concen: 89.471 ng
RT: 14.598 min Scan# 2126
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:149 Resp: 1604851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 10.6 | 8.4 | 12.6 |



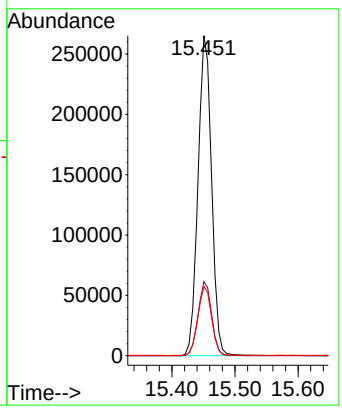


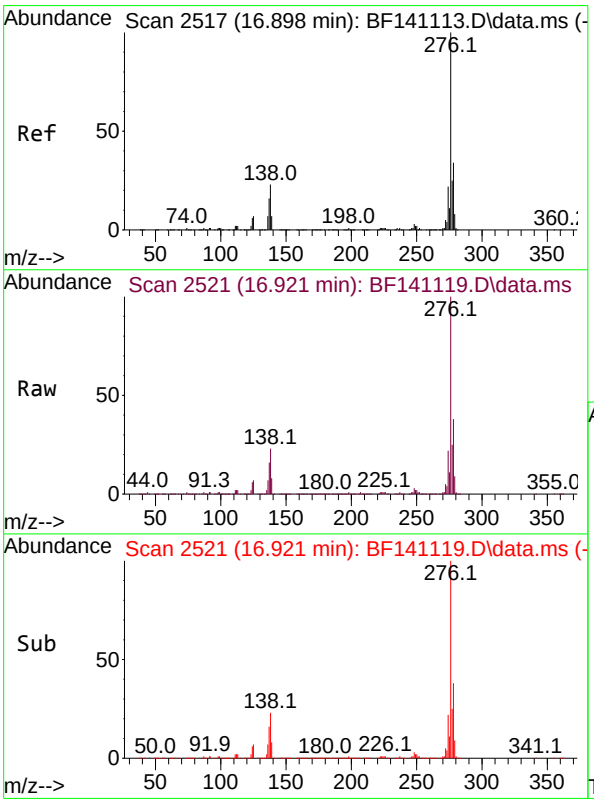

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:264 Resp: 395988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 18.6 | 28.0 |
| 265 | 21.7 | 17.4 | 26.0 |

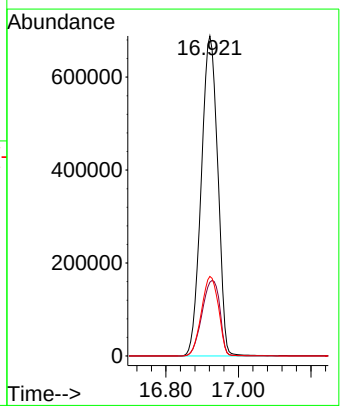


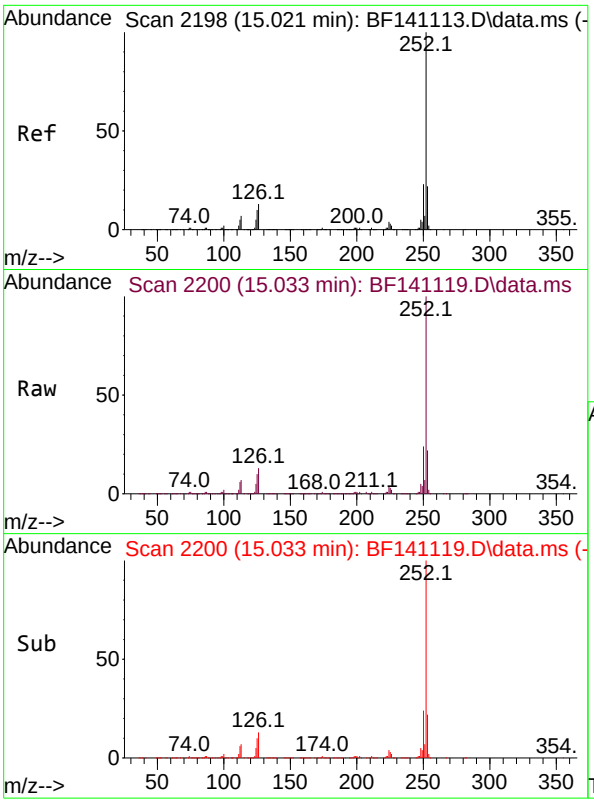




#87
Indeno(1,2,3-cd)pyrene
Concen: 75.032 ng
RT: 16.921 min Scan# 2521
Delta R.T. 0.023 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:276 Resp: 2176761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.5 | 20.7 | 31.1 |
| 277 | 25.7 | 20.6 | 30.8 |



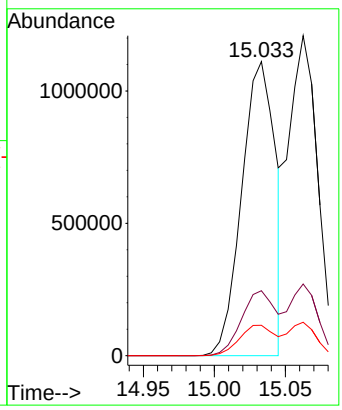


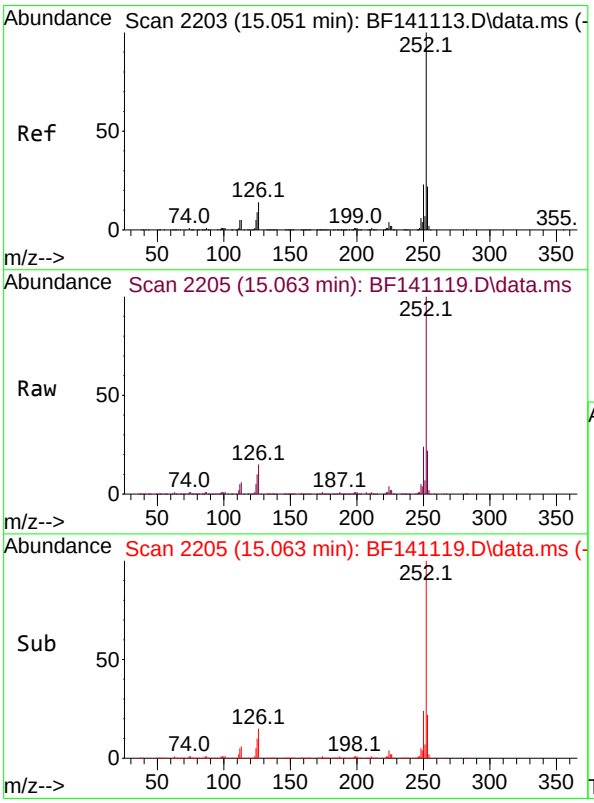

#88
Benzo(b)fluoranthene
Concen: 71.685 ng
RT: 15.033 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 1830448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.8 | 26.6 |
| 125 | 10.3 | 8.1 | 12.1 |

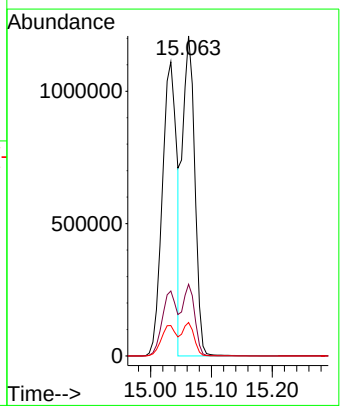


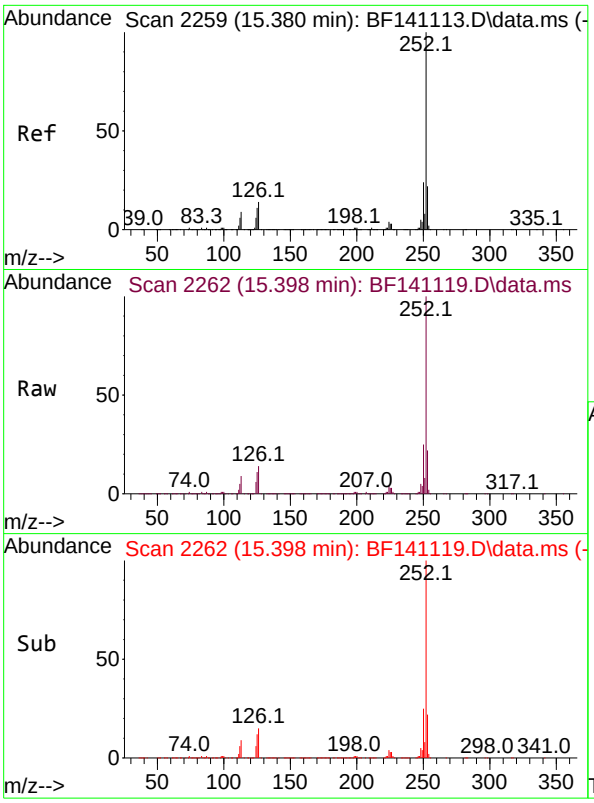




#89
Benzo(k)fluoranthene
Concen: 78.843 ng
RT: 15.063 min Scan# 2205
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:252 Resp: 1701343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.8 | 26.8 |
| 125 | 10.5 | 7.9 | 11.9 |



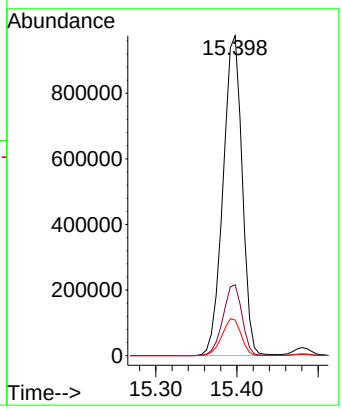


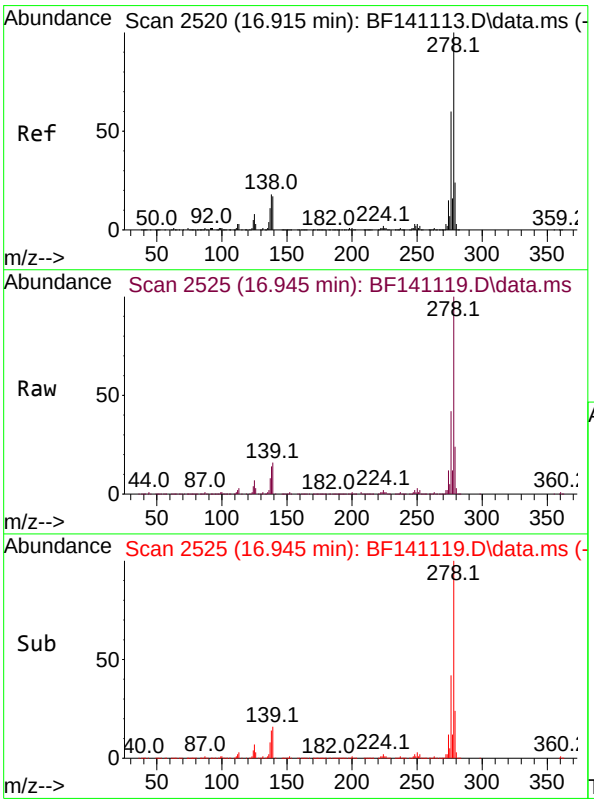

#90
Benzo(a)pyrene
Concen: 75.707 ng
RT: 15.398 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 1594959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.7 | 26.5 |
| 125 | 11.1 | 9.1 | 13.7 |

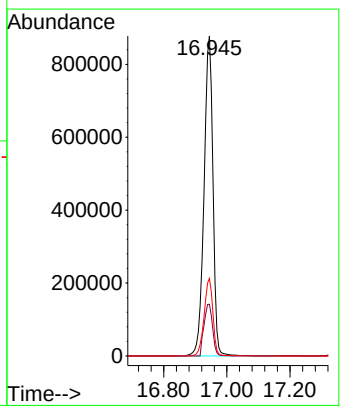


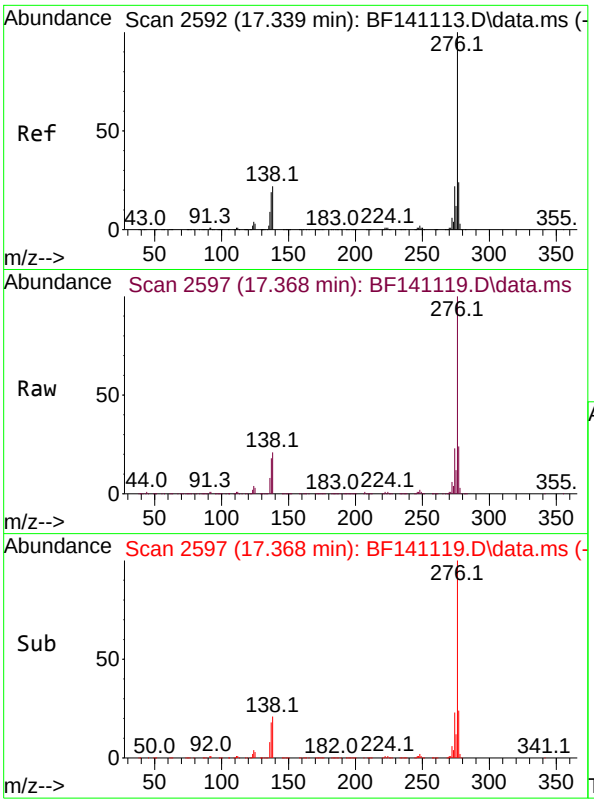




#91
Dibenzo(a,h)anthracene
Concen: 73.436 ng
RT: 16.945 min Scan# 2525
Delta R.T. 0.029 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:278 Resp: 1723136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.1 | 13.8 | 20.6 |
| 279 | 24.2 | 19.1 | 28.7 |



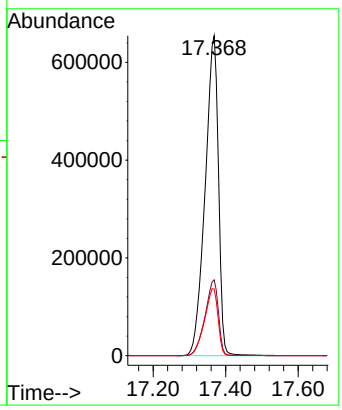



#92
Benzo(g,h,i)perylene
Concen: 68.190 ng
RT: 17.368 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:276 Resp: 1664293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 19.0 | 28.4 |
| 138 | 20.8 | 17.4 | 26.2 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141120.D
Acq On : 10 Jan 2025 18:12
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Quant Time: Jan 10 22:57:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 158167 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 612449 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.857 | 164 | 314997 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 516568 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.986 | 240 | 274205 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.451 | 264 | 318189 | 20.000 | ng | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.428 | 112 | 820256 | 80.114 | ng | | 0.00 |
| 7) Phenol-d6 | 6.445 | 99 | 1009028 | 77.801 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.387 | 82 | 900254 | 77.918 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.645 | 330 | 285534 | 79.554 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.181 | 172 | 1614765 | 78.281 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 1456542 | 78.951 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.534 | 88 | 186646 | 40.936 | ng | | 99 |
| 3) Pyridine | 3.281 | 79 | 450909 | 40.329 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.228 | 42 | 226129 | 41.363 | ng | | 98 |
| 6) Aniline | 6.481 | 93 | 453676 | 39.400 | ng | | 98 |
| 8) 2-Chlorophenol | 6.604 | 128 | 431526 | 39.284 | ng | | 99 |
| 9) Benzaldehyde | 6.369 | 77 | 290165 | 37.987 | ng | | 99 |
| 10) Phenol | 6.457 | 94 | 541991 | 39.039 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.557 | 93 | 399965 | 38.657 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.763 | 146 | 476822 | 38.919 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.840 | 146 | 481058 | 38.965 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 6.992 | 146 | 444004 | 38.555 | ng | | 99 |
| 15) Benzyl Alcohol | 6.957 | 79 | 364926 | 38.962 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098 | 45 | 549884 | 38.086 | ng | | 99 |
| 17) 2-Methylphenol | 7.069 | 107 | 341712 | 38.531 | ng | | 100 |
| 18) Hexachloroethane | 7.334 | 117 | 176028 | 39.427 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.234 | 70 | 289047 | 37.834 | ng | | 100 |
| 20) 3+4-Methylphenols | 7.222 | 107 | 437446 | 39.098 | ng | | 96 |
| 22) Acetophenone | 7.228 | 105 | 563455 | 38.700 | ng | # | 95 |
| 24) Nitrobenzene | 7.404 | 77 | 471786 | 39.180 | ng | | 99 |
| 25) Isophorone | 7.639 | 82 | 762772 | 38.631 | ng | | 99 |
| 26) 2-Nitrophenol | 7.716 | 139 | 225470 | 41.163 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.751 | 122 | 291335 | 39.432 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.851 | 93 | 473792 | 38.235 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.957 | 162 | 347943 | 39.652 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 391725 | 39.055 | ng | | 100 |
| 31) Naphthalene | 8.128 | 128 | 1234761 | 38.230 | ng | | 100 |
| 32) Benzoic acid | 7.857 | 122 | 293529 | 41.415 | ng | | 99 |
| 33) 4-Chloroaniline | 8.169 | 127 | 427268 | 38.252 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 238001 | 39.380 | ng | | 98 |
| 35) Caprolactam | 8.539 | 113 | 110830 | 38.578 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.651 | 107 | 371891 | 38.752 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 797256 | 38.737 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 767986 | 37.862 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.981 | 216 | 359153 | 39.725 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 117559 | 39.744 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 246797 | 40.474 | ng | | 100 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141120.D
Acq On : 10 Jan 2025 18:12
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Quant Time: Jan 10 22:57:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

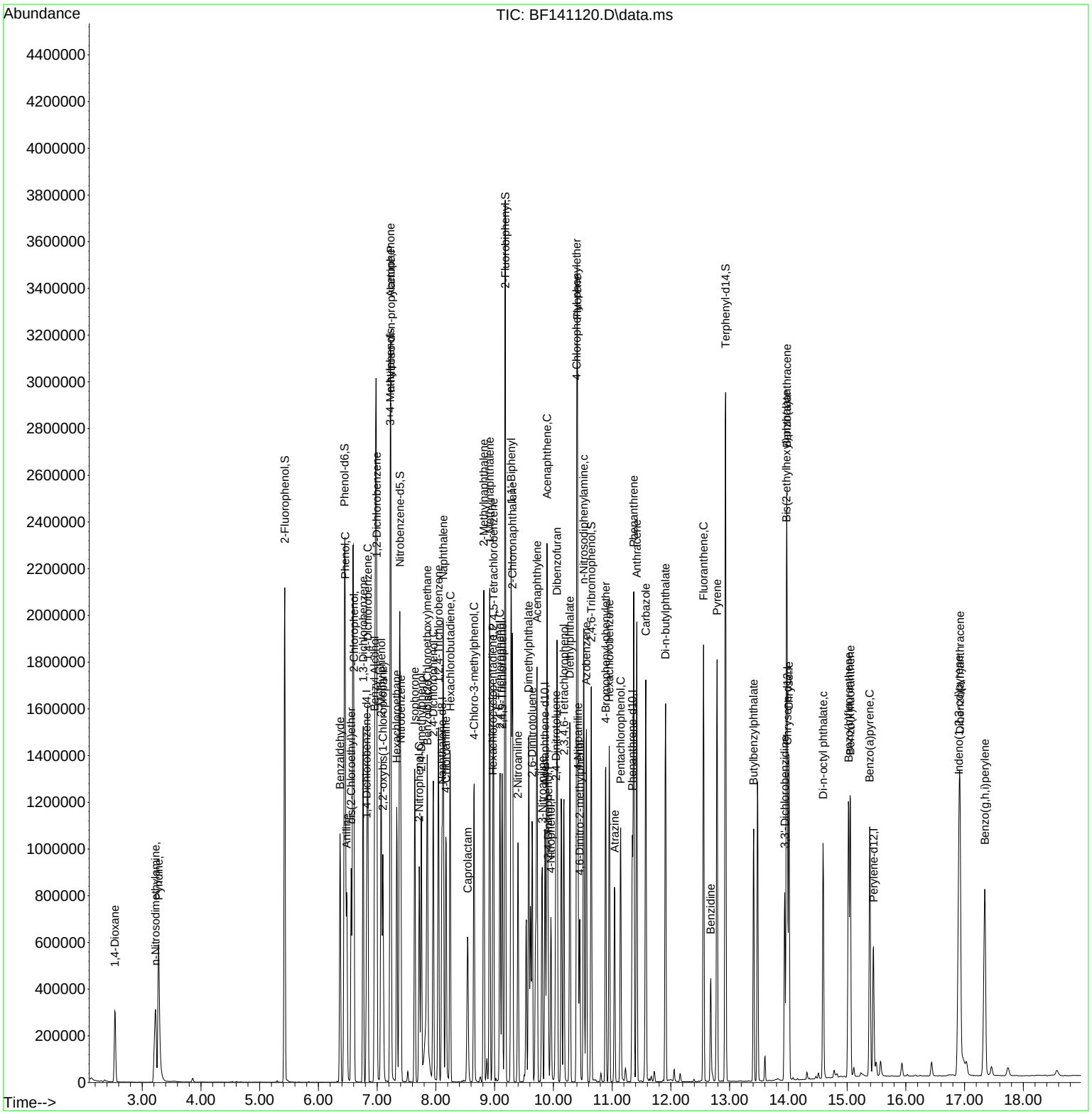
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.128 | 196 | 258003 | 40.064 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.281 | 154 | 970736 | 39.682 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.304 | 162 | 752248 | 39.481 | ng | | 100 |
| 48) 2-Nitroaniline | 9.398 | 65 | 227785 | 40.330 | ng | | 99 |
| 49) Acenaphthylene | 9.722 | 152 | 1071325 | 39.356 | ng | | 99 |
| 50) Dimethylphthalate | 9.581 | 163 | 835630 | 39.515 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.639 | 165 | 199428 | 40.554 | ng | | 93 |
| 52) Acenaphthene | 9.892 | 154 | 753339 | 39.611 | ng | | 100 |
| 53) 3-Nitroaniline | 9.810 | 138 | 201692 | 40.360 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.910 | 184 | 98794 | 42.266 | ng | # | 56 |
| 55) Dibenzofuran | 10.063 | 168 | 1007778 | 38.957 | ng | | 99 |
| 56) 4-Nitrophenol | 9.957 | 139 | 152518 | 38.970 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 10.045 | 165 | 258400 | 40.773 | ng | | 99 |
| 58) Fluorene | 10.410 | 166 | 779173 | 38.770 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.180 | 232 | 211938 | 39.593 | ng | | 99 |
| 60) Diethylphthalate | 10.280 | 149 | 803338 | 38.912 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.398 | 204 | 377526 | 38.542 | ng | | 95 |
| 62) 4-Nitroaniline | 10.422 | 138 | 192093 | 39.273 | ng | | 98 |
| 63) Azobenzene | 10.563 | 77 | 791308 | 38.845 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.451 | 198 | 133479 | 44.592 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.516 | 169 | 680537 | 40.845 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 244318 | 41.081 | ng | | 99 |
| 68) Hexachlorobenzene | 10.951 | 284 | 270074 | 40.794 | ng | | 97 |
| 69) Atrazine | 11.045 | 200 | 139816 | 31.165 | ng | | 99 |
| 70) Pentachlorophenol | 11.145 | 266 | 176156 | 41.549 | ng | | 100 |
| 71) Phenanthrene | 11.369 | 178 | 1095830 | 39.514 | ng | | 99 |
| 72) Anthracene | 11.422 | 178 | 1072960 | 39.789 | ng | | 100 |
| 73) Carbazole | 11.575 | 167 | 957273 | 38.715 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 1120353 | 39.593 | ng | | 100 |
| 75) Fluoranthene | 12.557 | 202 | 1036155 | 37.440 | ng | | 99 |
| 77) Benzidine | 12.680 | 184 | 245773 | 48.333 | ng | | 99 |
| 78) Pyrene | 12.786 | 202 | 1035445 | 39.536 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 341737 | 39.136 | ng | | 97 |
| 81) Benzo(a)anthracene | 13.974 | 228 | 699094 | 37.462 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.939 | 252 | 235420 | 39.619 | ng | | 99 |
| 83) Chrysene | 14.010 | 228 | 664611 | 38.062 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149 | 409965 | 39.130 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.592 | 149 | 649810 | 41.072 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.904 | 276 | 921423 | 39.527 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.027 | 252 | 758252 | 36.956 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.057 | 252 | 664225 | 38.307 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.386 | 252 | 659605 | 38.965 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 16.921 | 278 | 752974 | 39.936 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.345 | 276 | 754682 | 38.482 | ng | | 99 |

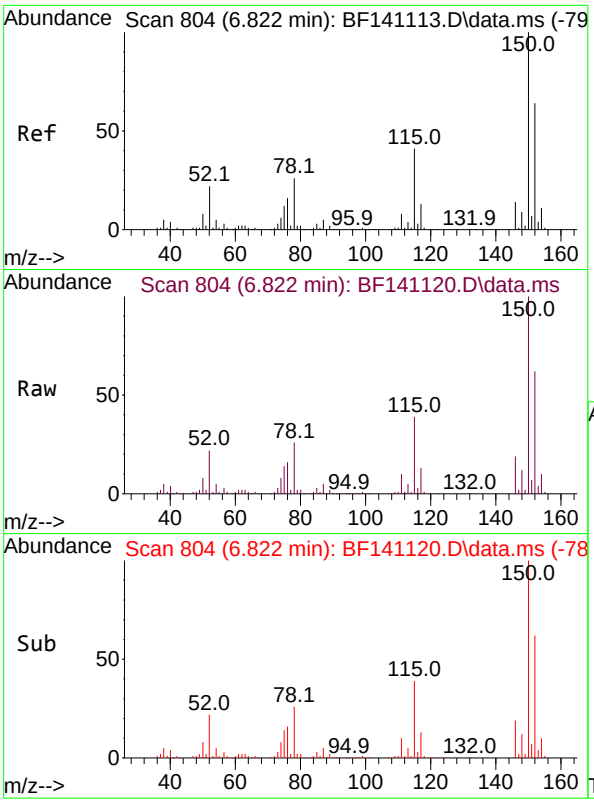
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141120.D
Acq On : 10 Jan 2025 18:12
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Quant Time: Jan 10 22:57:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



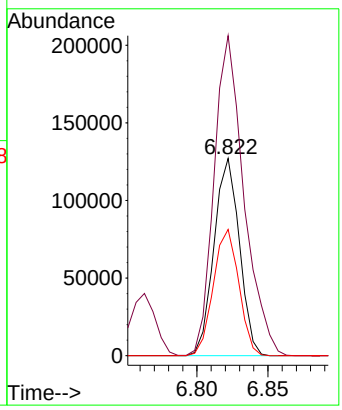


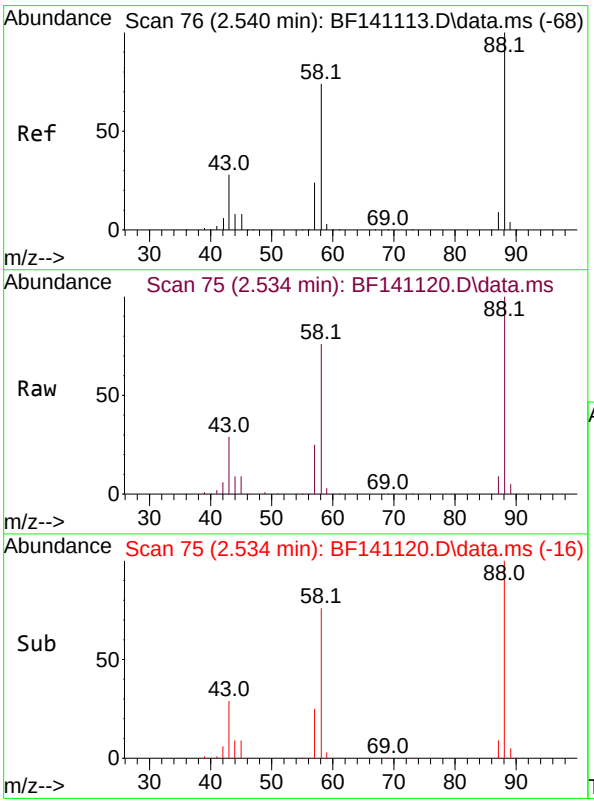

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:152 Resp: 158167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 162.2 | 125.8 | 188.8 |
| 115 | 64.0 | 51.4 | 77.2 |

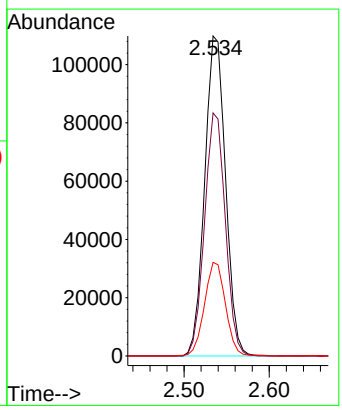


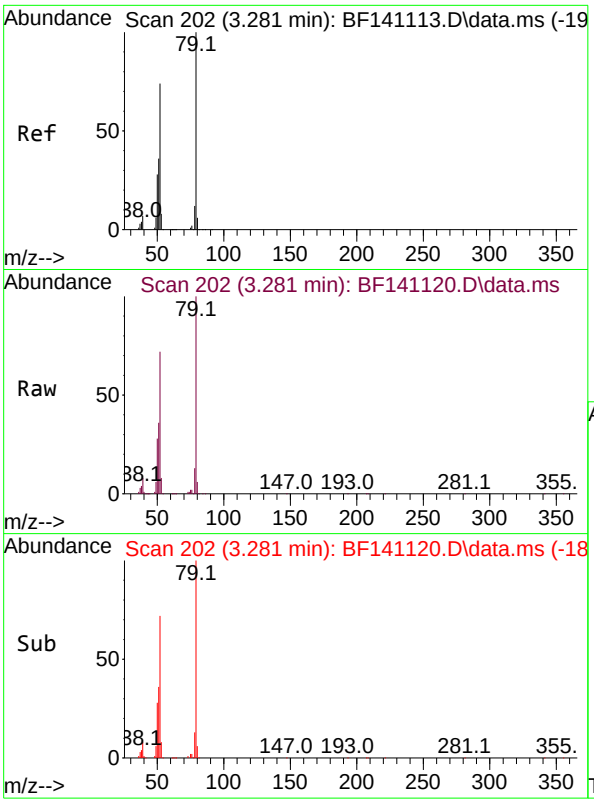




#2
1,4-Dioxane
Concen: 40.936 ng
RT: 2.534 min Scan# 75
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion: 88 Resp: 186646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.7 | 60.1 | 90.1 |
| 43 | 29.5 | 23.1 | 34.7 |



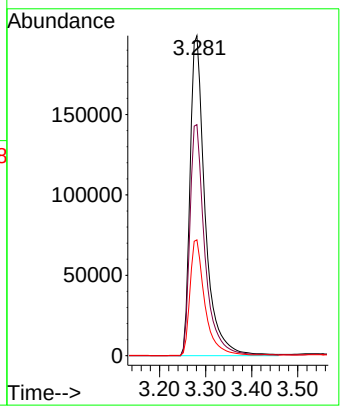


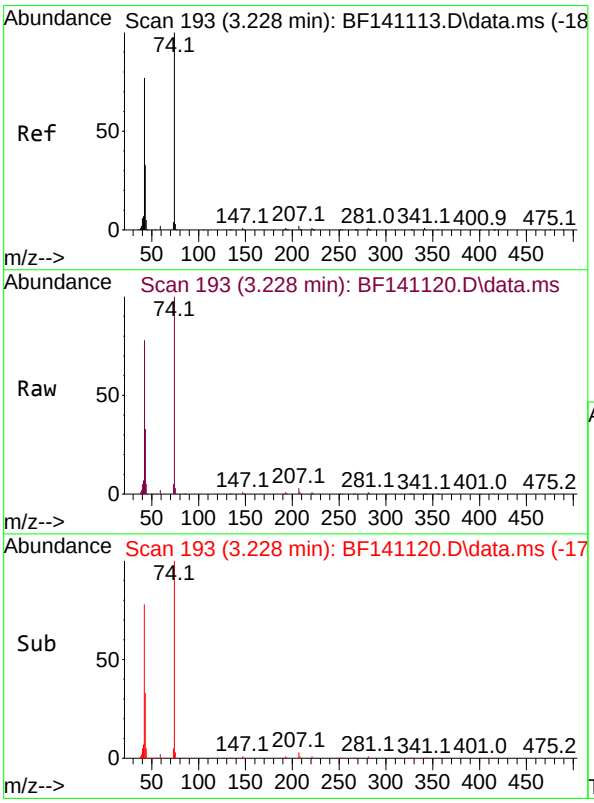

#3
Pyridine
Concen: 40.329 ng
RT: 3.281 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion: 79 Resp: 450909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 72.2 | 58.9 | 88.3 |
| 51 | 36.2 | 29.1 | 43.7 |

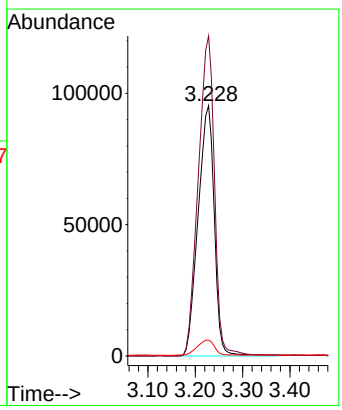


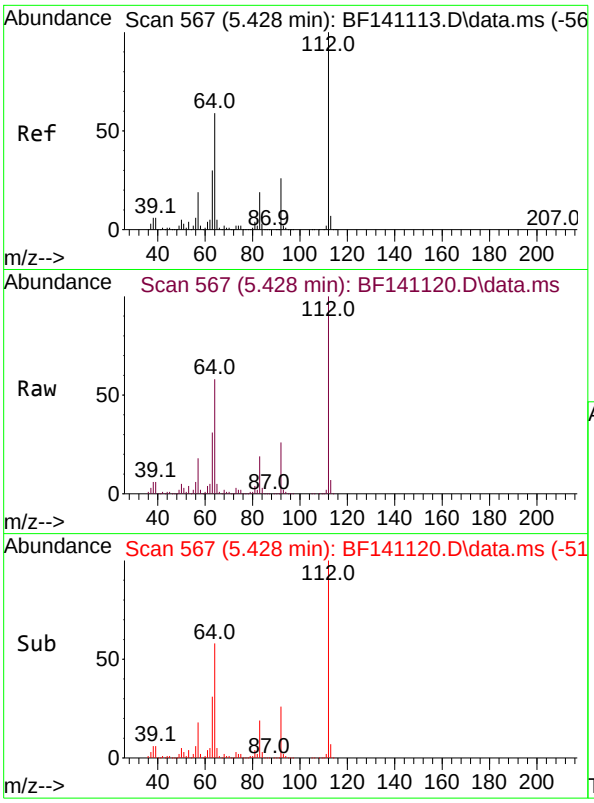




#4
n-Nitrosodimethylamine
Concen: 41.363 ng
RT: 3.228 min Scan# 193
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion: 42 Resp: 226129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 127.9 | 103.8 | 155.6 |
| 44 | 6.3 | 5.3 | 7.9 |



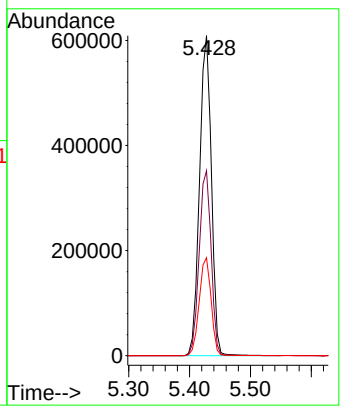


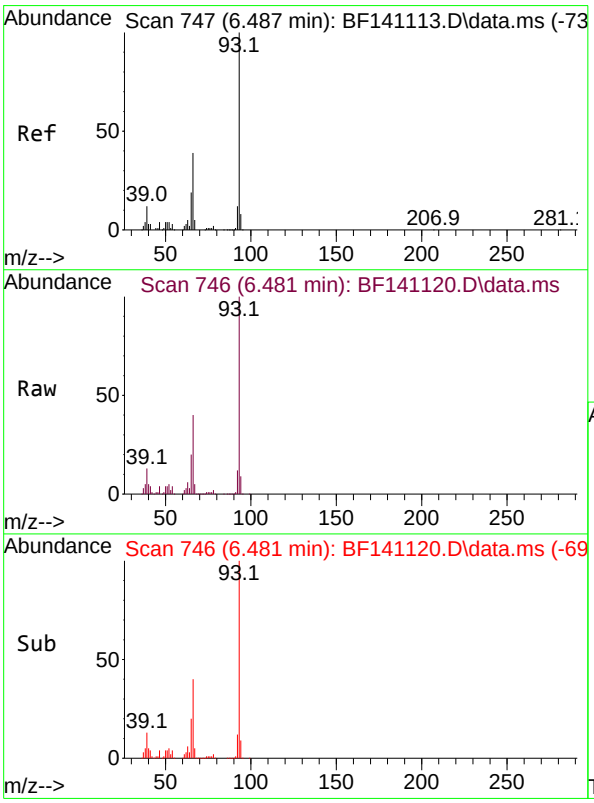

#5
2-Fluorophenol
Concen: 80.114 ng
RT: 5.428 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:112 Resp: 820256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.8 | 47.3 | 70.9 |
| 63 | 30.6 | 24.2 | 36.2 |

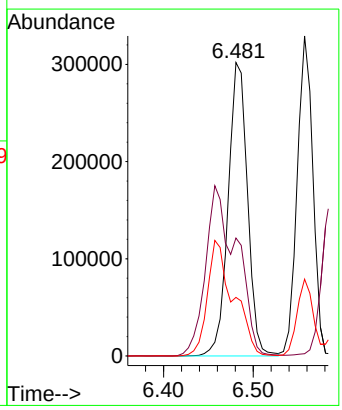


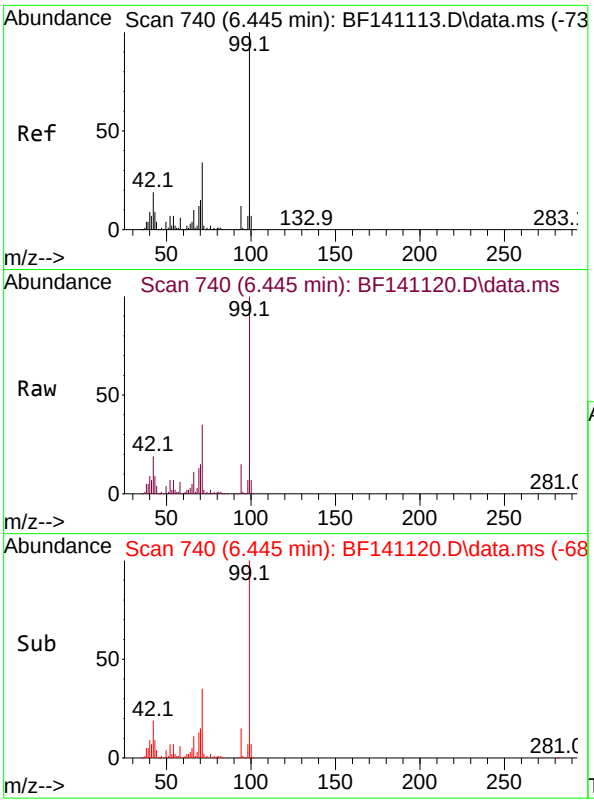




#6
Aniline
Concen: 39.400 ng
RT: 6.481 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion: 93 Resp: 453676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.2 | 31.5 | 47.3 |
| 65 | 20.0 | 15.3 | 22.9 |



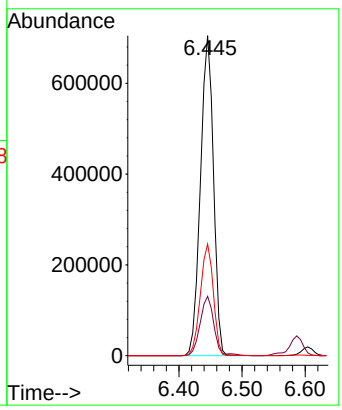


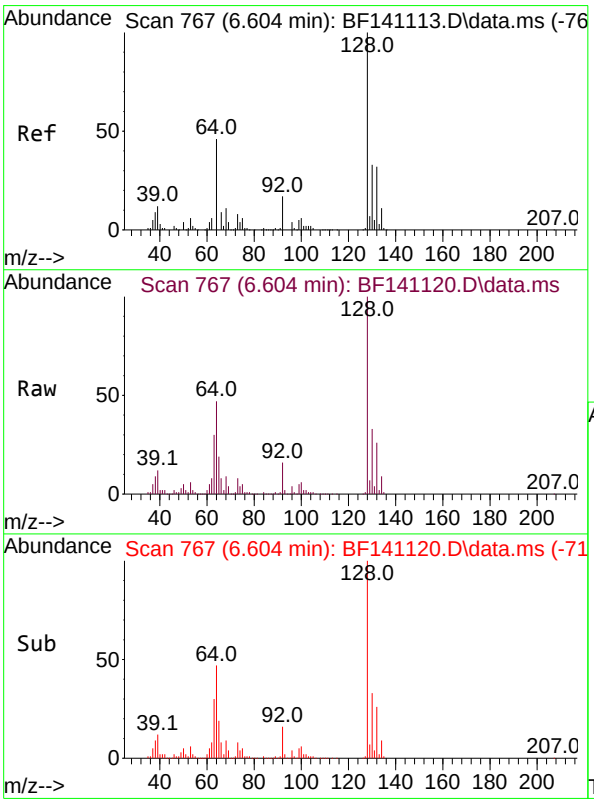

#7
Phenol-d6
Concen: 77.801 ng
RT: 6.445 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion: 99 Resp: 1009028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.6 | 15.0 | 22.4 |
| 71 | 34.9 | 27.6 | 41.4 |

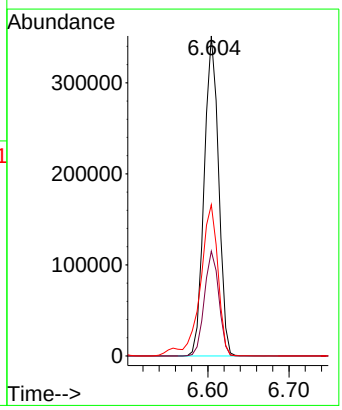


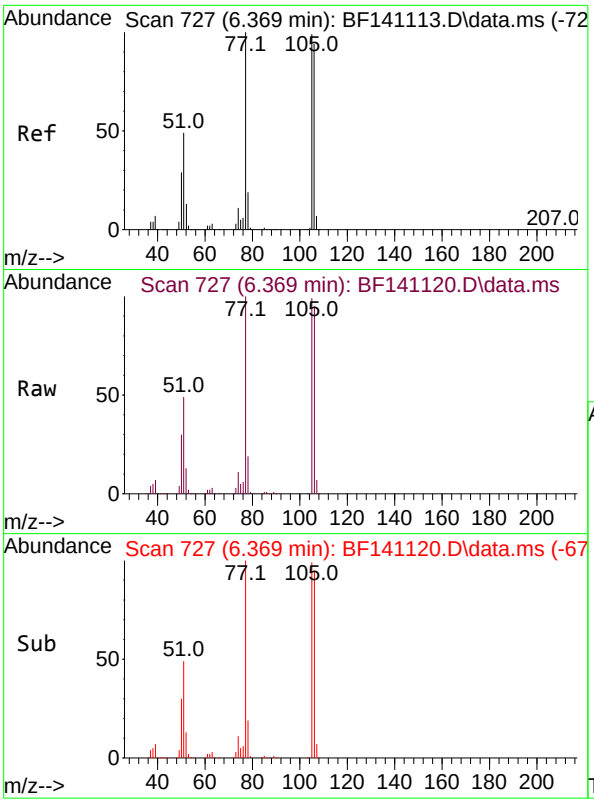




#8
2-Chlorophenol
Concen: 39.284 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:128 Resp: 431526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.8 | 12.5 | 52.5 |
| 64 | 47.3 | 28.3 | 68.3 |



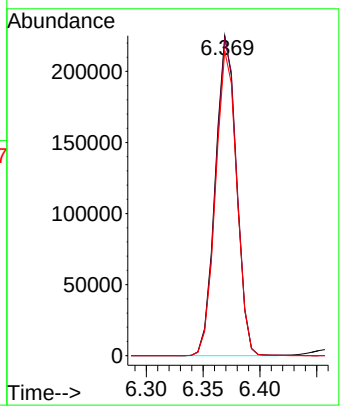


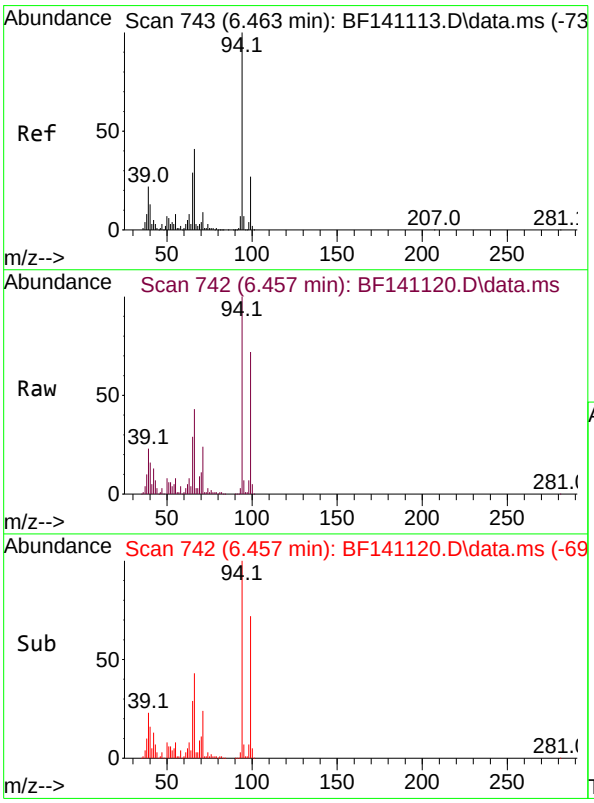

#9
Benzaldehyde
Concen: 37.987 ng
RT: 6.369 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion: 77 Resp: 290165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.1 | 78.9 | 118.9 |
| 106 | 95.3 | 73.6 | 113.6 |

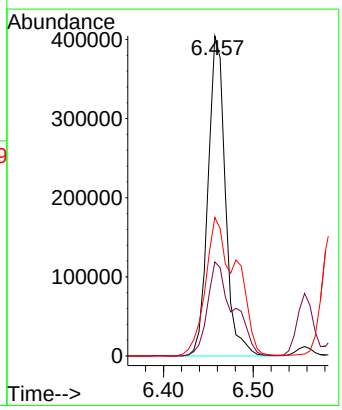


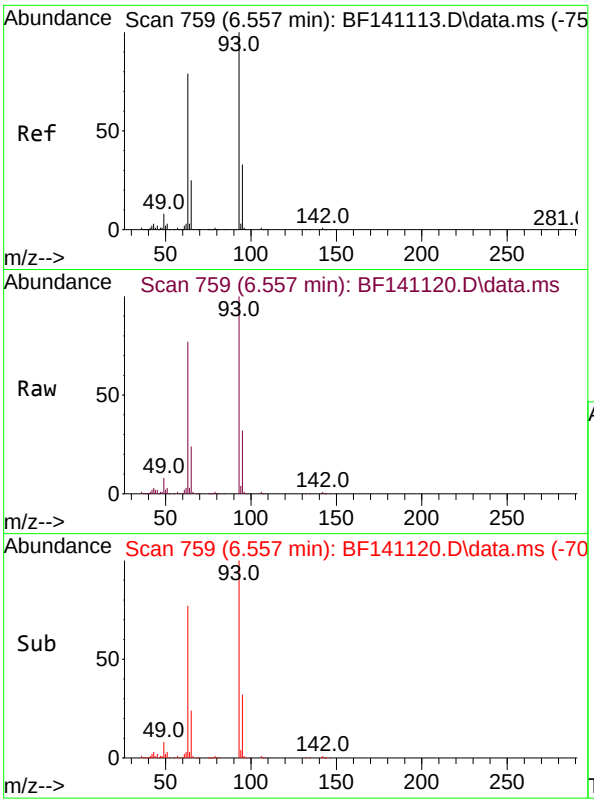




#10
Phenol
Concen: 39.039 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion: 94 Resp: 541991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.4 | 8.9 | 48.9 |
| 66 | 43.3 | 21.2 | 61.2 |



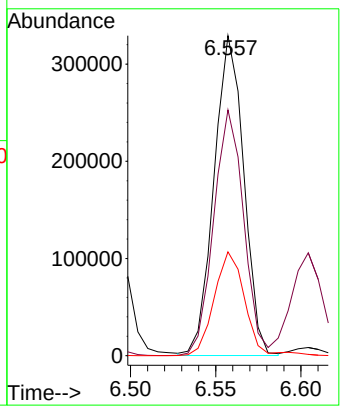


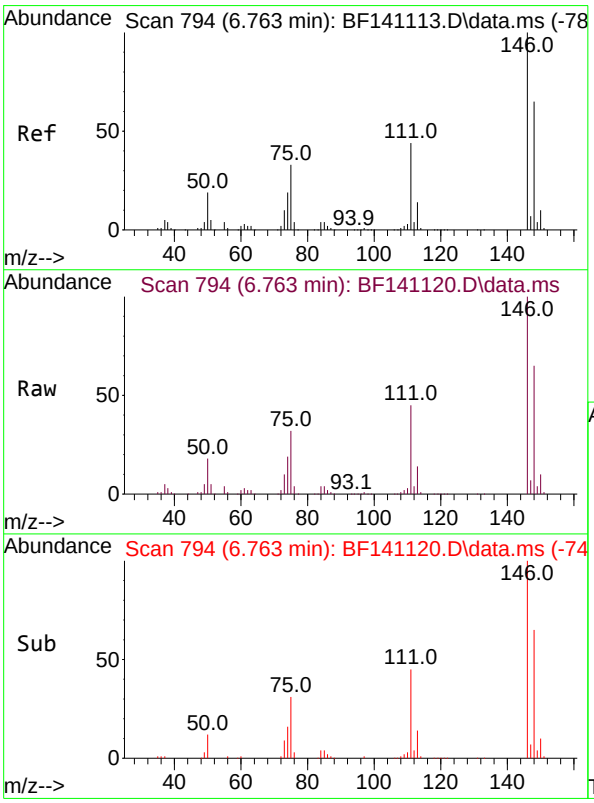

#11
bis(2-Chloroethyl)ether
Concen: 38.657 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion: 93 Resp: 399965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 76.8 | 58.0 | 98.0 |
| 95 | 32.4 | 12.5 | 52.5 |

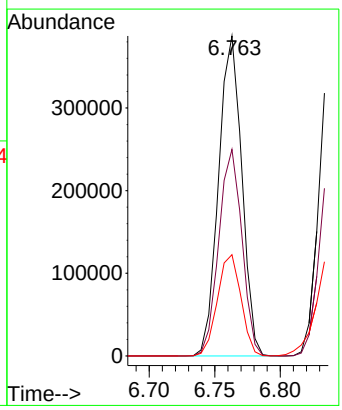


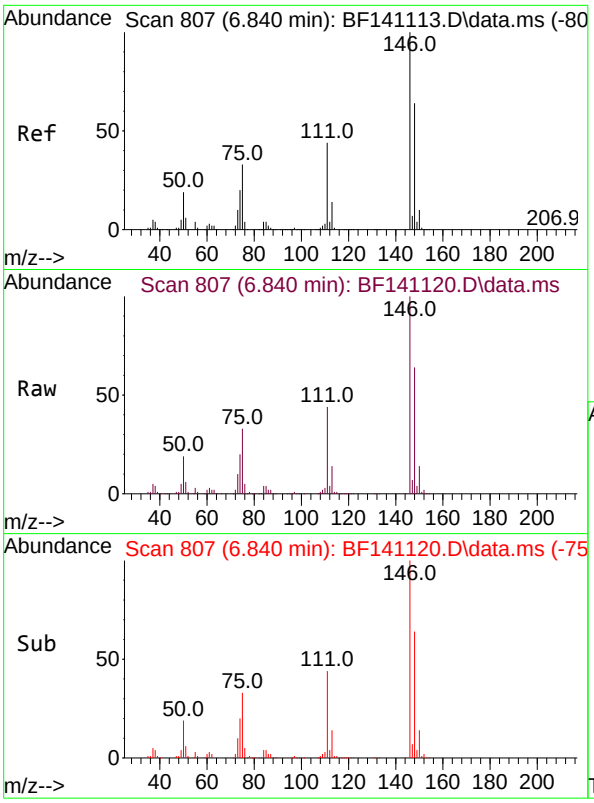




#12
1,3-Dichlorobenzene
Concen: 38.919 ng
RT: 6.763 min Scan# 794
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:146 Resp: 476822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.5 | 51.6 | 77.4 |
| 75 | 31.7 | 26.2 | 39.2 |



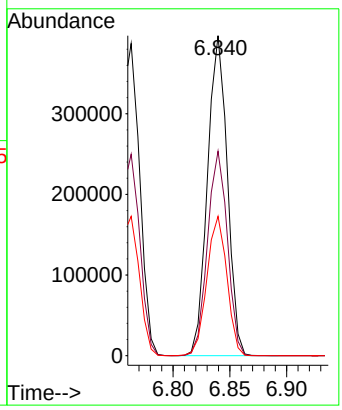


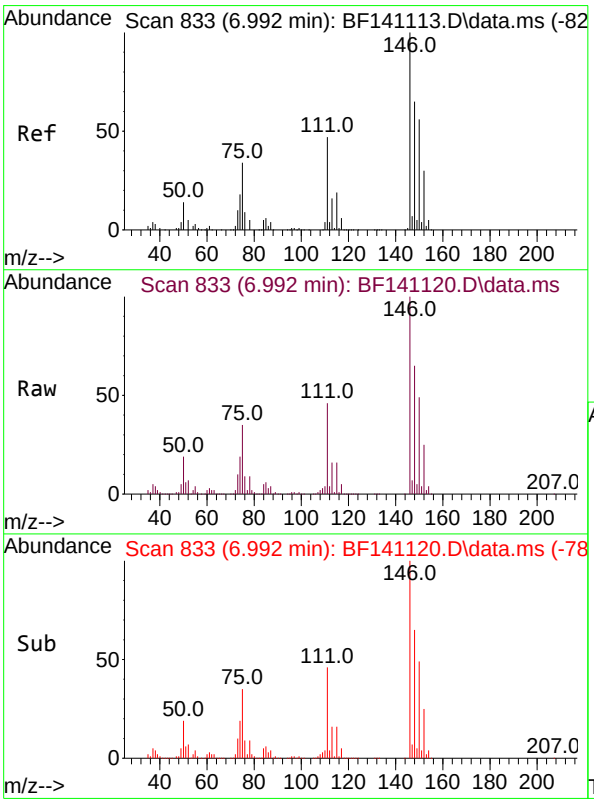

#13
1,4-Dichlorobenzene
Concen: 38.965 ng
RT: 6.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:146 Resp: 481058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 51.0 | 76.6 |
| 111 | 43.5 | 34.9 | 52.3 |

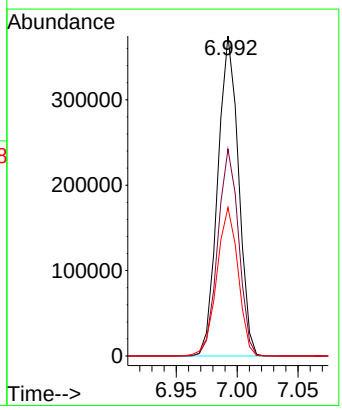


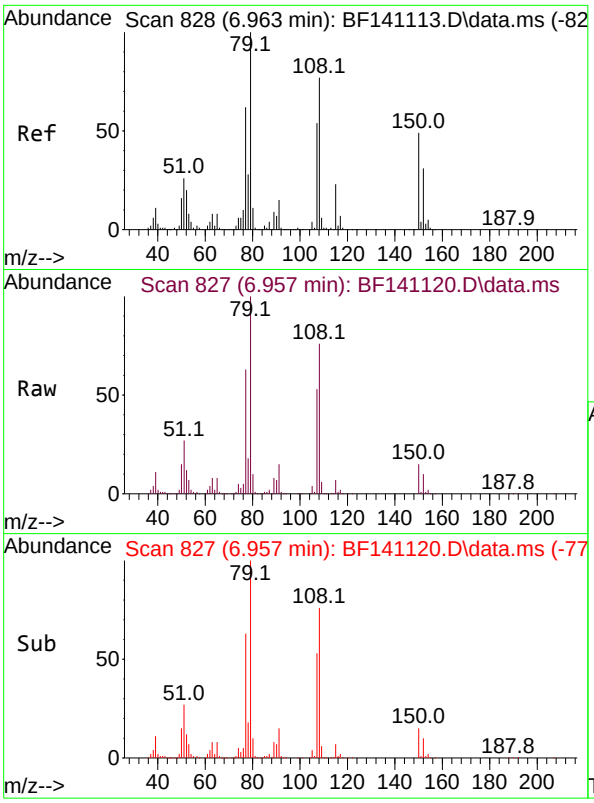




#14
1,2-Dichlorobenzene
Concen: 38.555 ng
RT: 6.992 min Scan# 833
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:146 Resp: 444004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 52.2 | 78.4 |
| 111 | 46.4 | 37.5 | 56.3 |



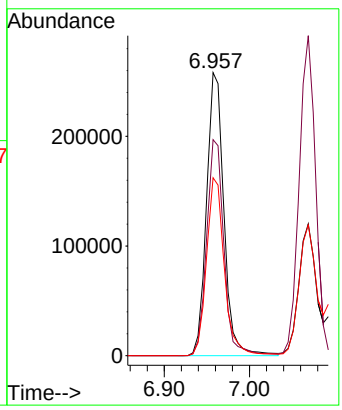


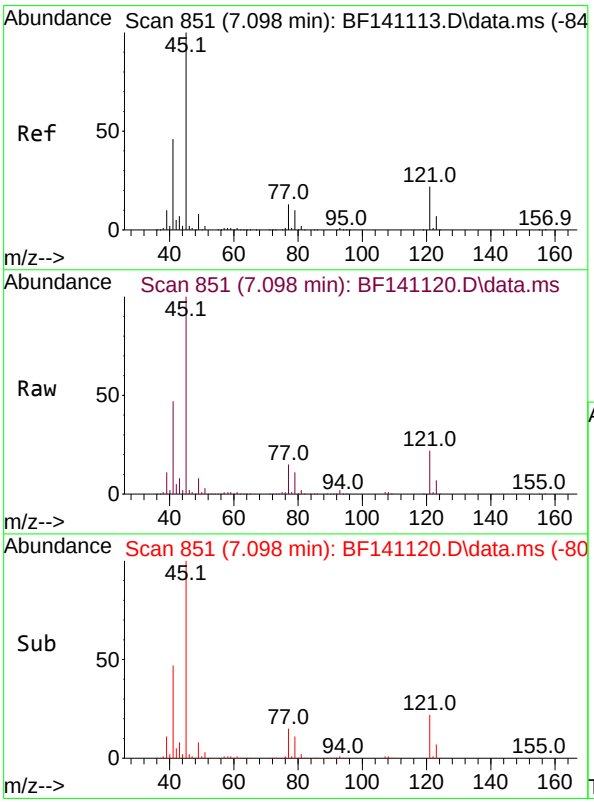

#15
Benzyl Alcohol
Concen: 38.962 ng
RT: 6.957 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion: 79 Resp: 364926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.3 | 61.4 | 92.0 |
| 77 | 62.8 | 49.8 | 74.6 |

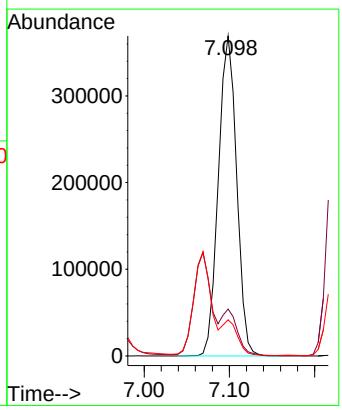


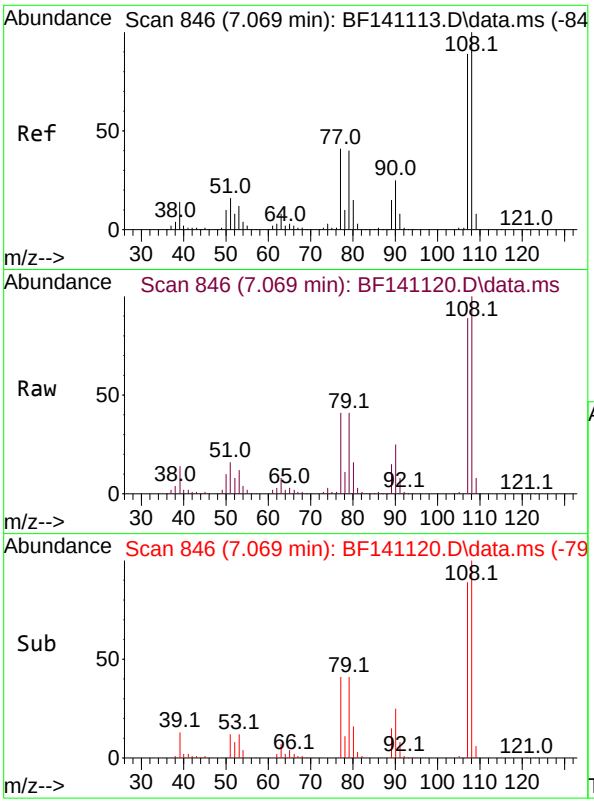




#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.086 ng
RT: 7.098 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion: 45 Resp: 549884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.6 | 0.0 | 34.1 |
| 79 | 11.3 | 0.0 | 31.0 |



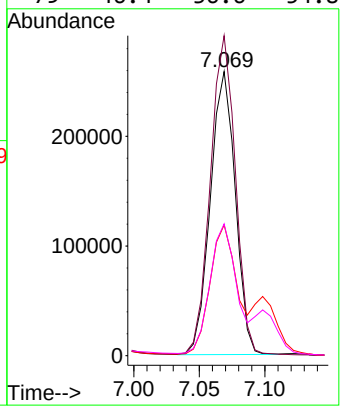


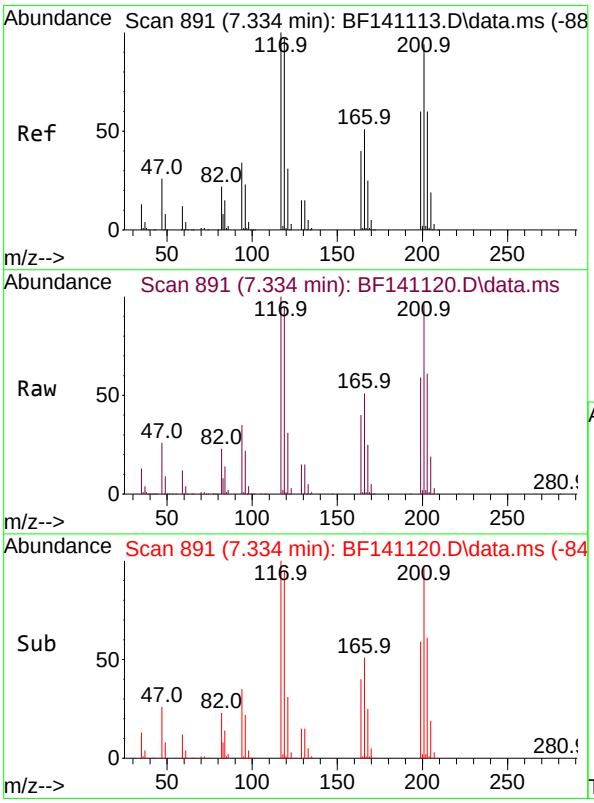

#17
2-Methylphenol
Concen: 38.531 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:107 Resp: 341712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.6 | 90.1 | 135.1 |
| 77 | 46.0 | 36.6 | 55.0 |
| 79 | 46.4 | 36.6 | 54.8 |

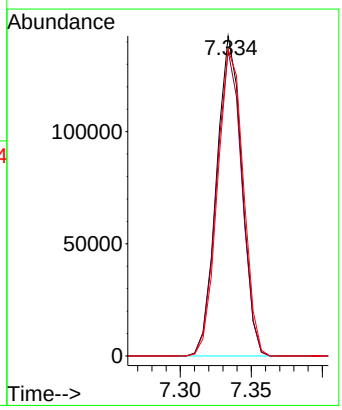


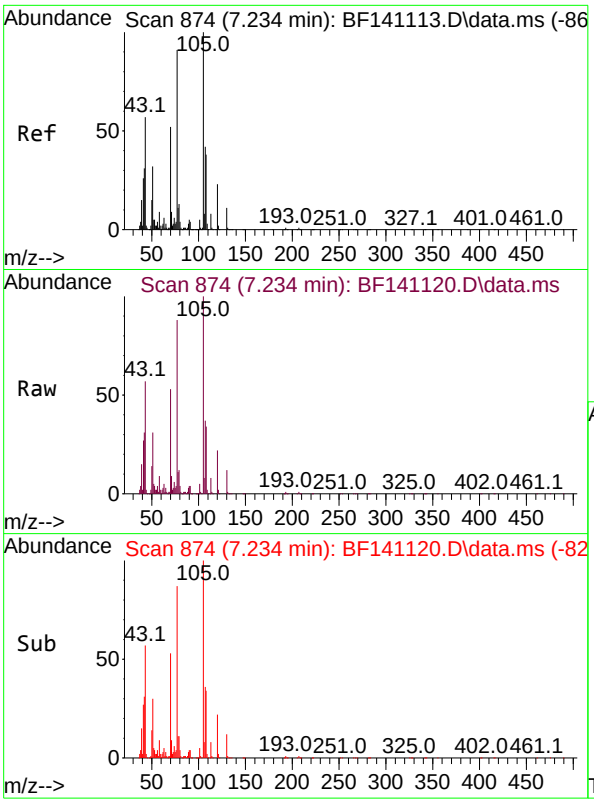




#18
Hexachloroethane
Concen: 39.427 ng
RT: 7.334 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:117 Resp: 176028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.4 | 77.6 | 116.4 |
| 201 | 95.8 | 75.1 | 112.7 |



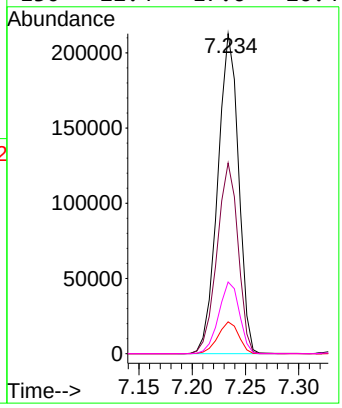


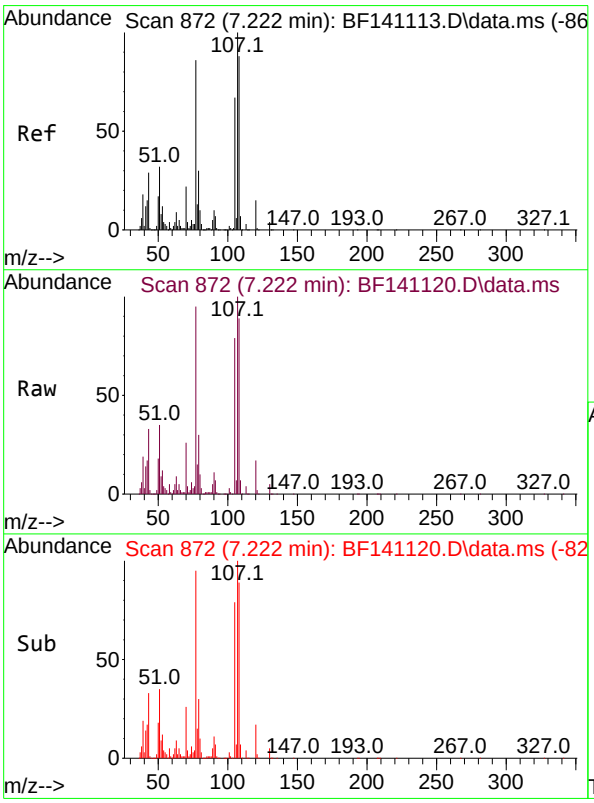

#19
n-Nitroso-di-n-propylamine
Concen: 37.834 ng
RT: 7.234 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion: 70 Resp: 289047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 59.6 | 47.8 | 71.6 |
| 101 | 9.9 | 7.9 | 11.9 |
| 130 | 22.4 | 17.6 | 26.4 |

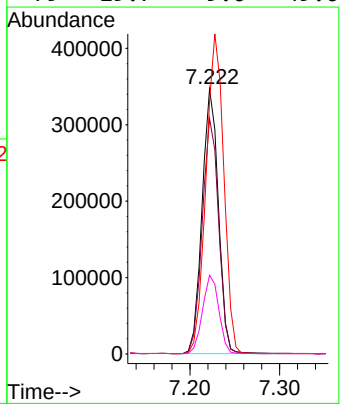


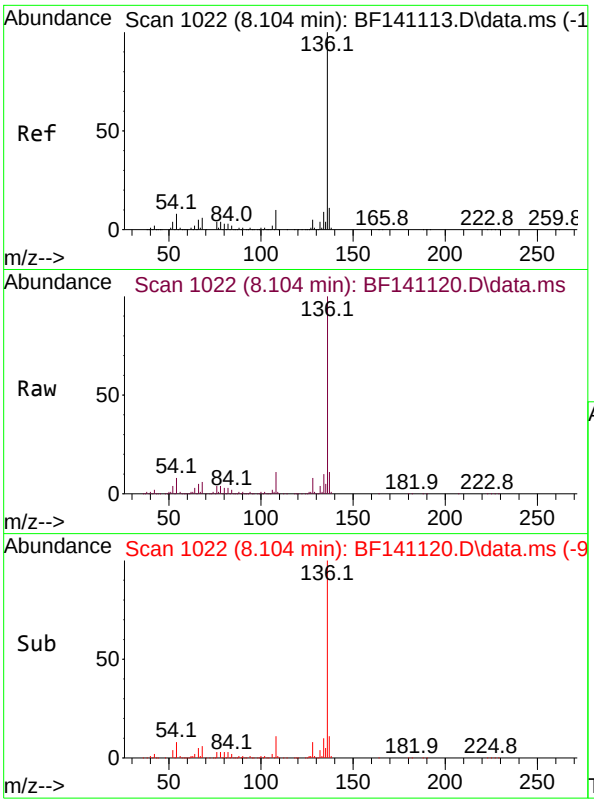




#20
3+4-Methylphenols
Concen: 39.098 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:107 Resp: 437446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.8 | 68.3 | 108.3 |
| 77 | 95.5 | 66.4 | 106.4 |
| 79 | 29.7 | 9.6 | 49.6 |



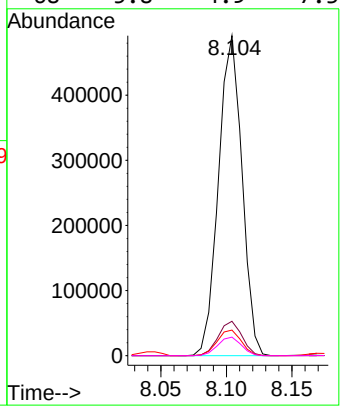


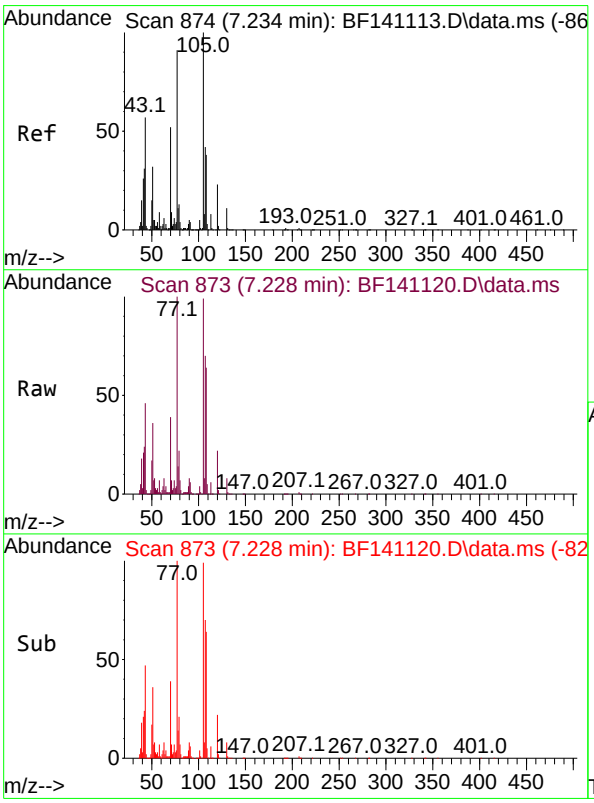

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:136 Resp: 612449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.8 | 13.2 |
| 54 | 8.0 | 6.3 | 9.5 |
| 68 | 5.8 | 4.9 | 7.3 |

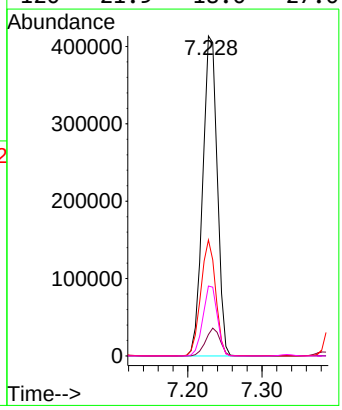


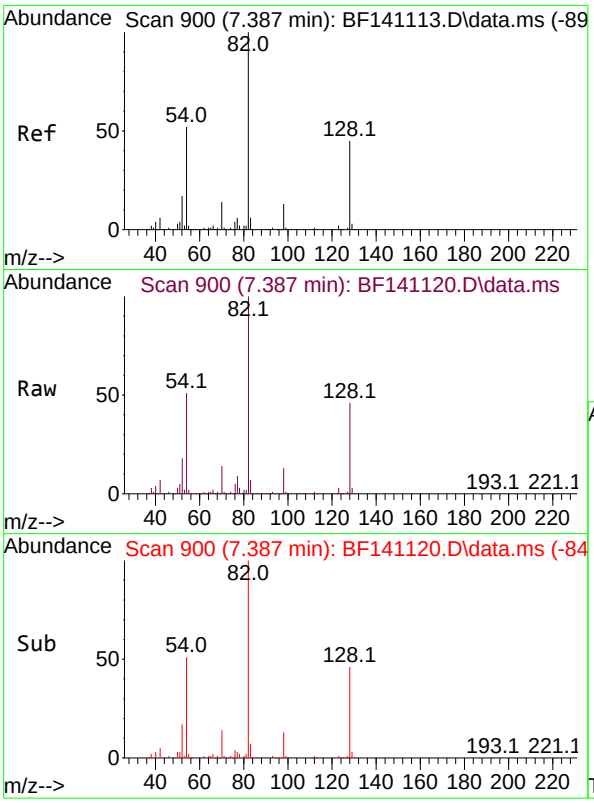




#22
Acetophenone
Concen: 38.700 ng
RT: 7.228 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:105 Resp: 563455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.7 | 7.1 | 10.7# |
| 51 | 36.3 | 25.4 | 38.2 |
| 120 | 21.9 | 18.0 | 27.0 |



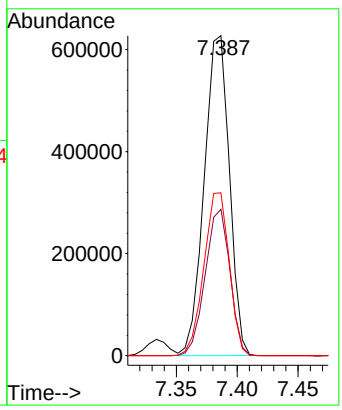


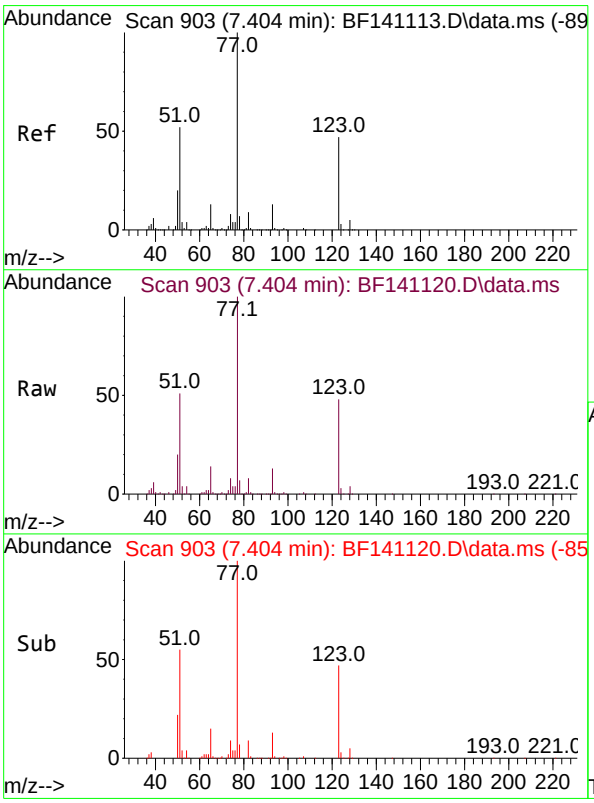

#23
Nitrobenzene-d5
Concen: 77.918 ng
RT: 7.387 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion: 82 Resp: 900254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.8 | 36.1 | 54.1 |
| 54 | 50.9 | 41.0 | 61.4 |

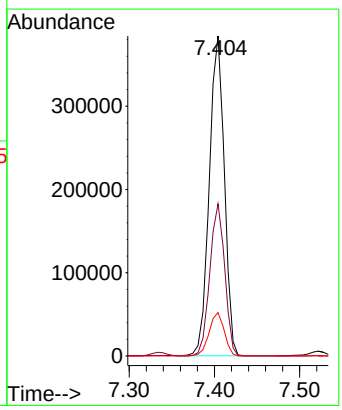


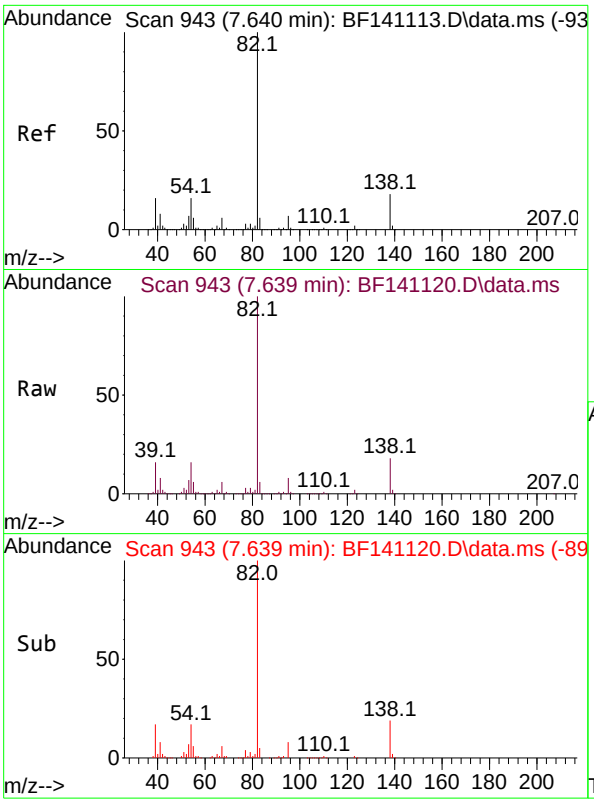




#24
Nitrobenzene
Concen: 39.180 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion: 77 Resp: 471786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.5 | 37.7 | 56.5 |
| 65 | 13.6 | 10.6 | 16.0 |



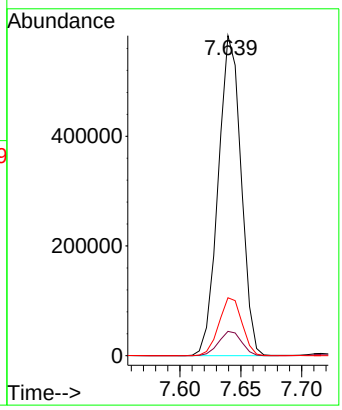


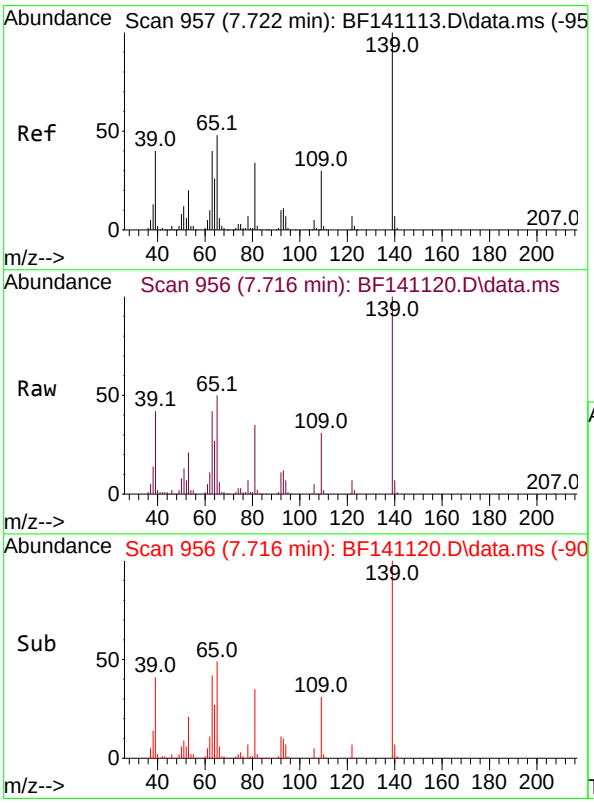

#25
Isophorone
Concen: 38.631 ng
RT: 7.639 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion: 82 Resp: 762772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.6 | 5.9 | 8.9 |
| 138 | 18.1 | 14.2 | 21.2 |

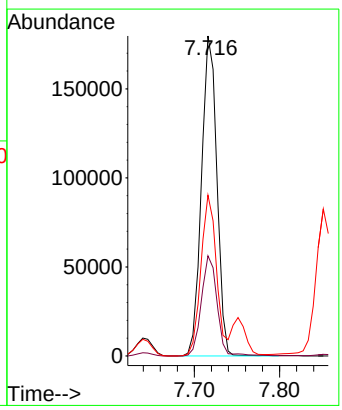


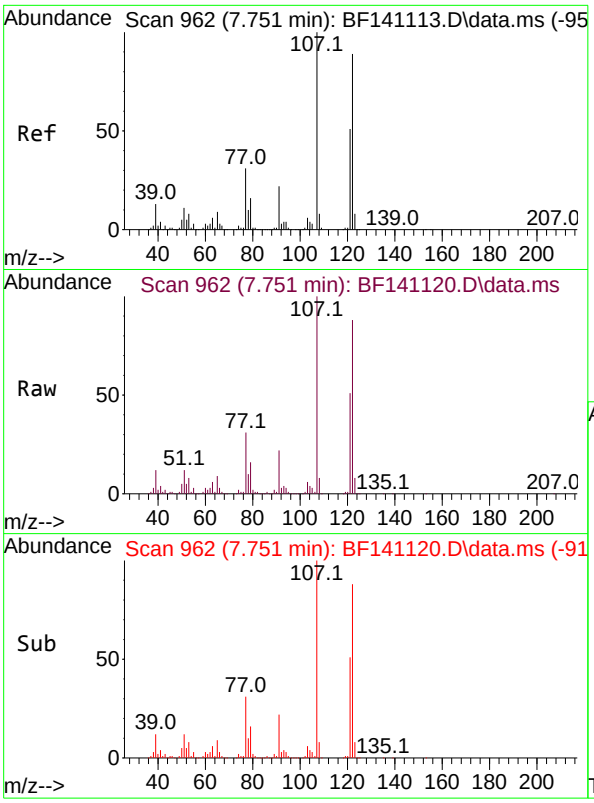




#26
2-Nitrophenol
Concen: 41.163 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:139 Resp: 225470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.3 | 23.8 | 35.6 |
| 65 | 50.3 | 38.5 | 57.7 |



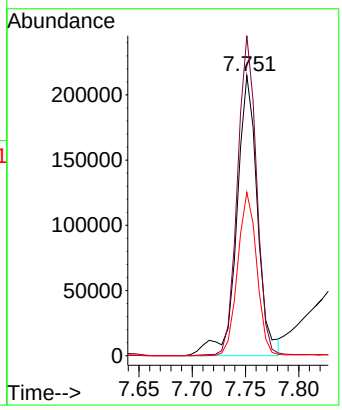


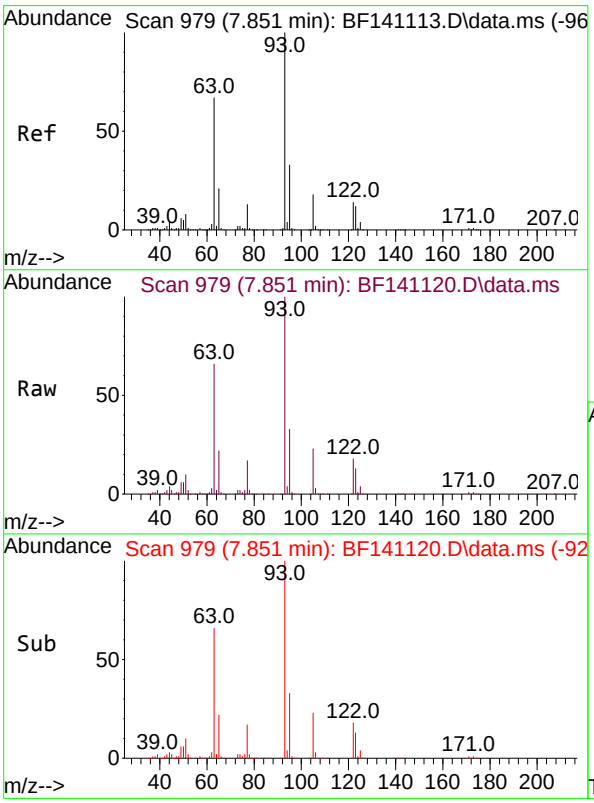

#27
2,4-Dimethylphenol
Concen: 39.432 ng
RT: 7.751 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:122 Resp: 291335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.2 | 90.3 | 135.5 |
| 121 | 58.3 | 46.5 | 69.7 |

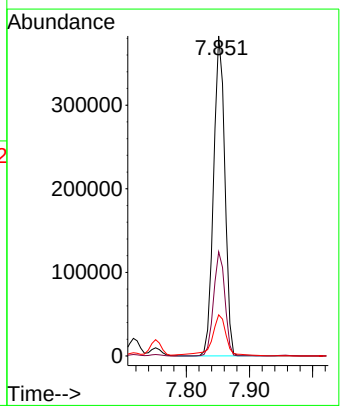


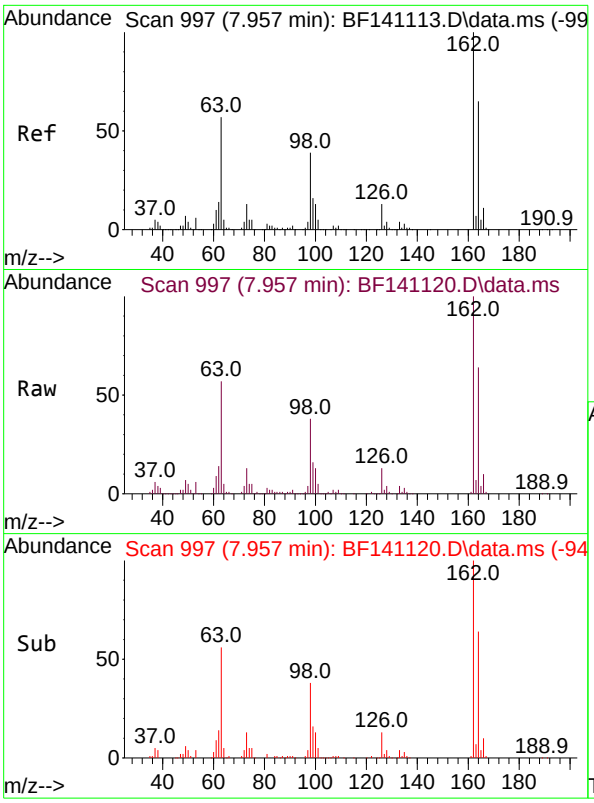




#28
bis(2-Chloroethoxy)methane
Concen: 38.235 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion: 93 Resp: 473792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.6 | 26.2 | 39.4 |
| 123 | 12.9 | 10.1 | 15.1 |



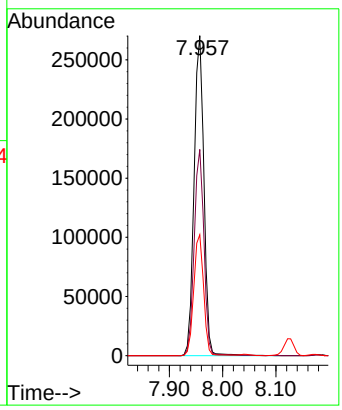


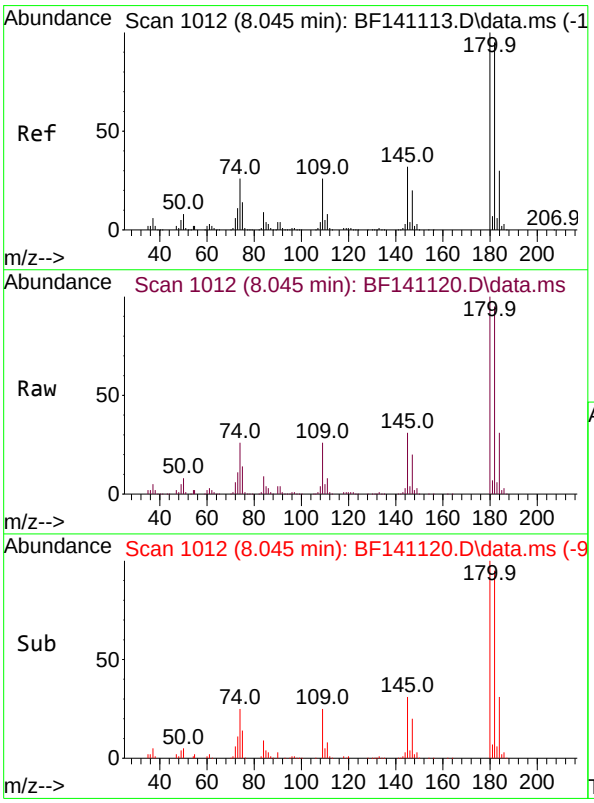

#29
2,4-Dichlorophenol
Concen: 39.652 ng
RT: 7.957 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:162 Resp: 347943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.4 | 44.5 | 84.5 |
| 98 | 37.8 | 18.5 | 58.5 |

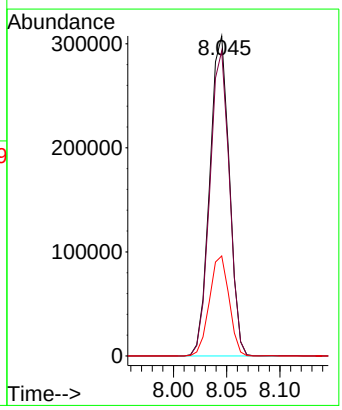


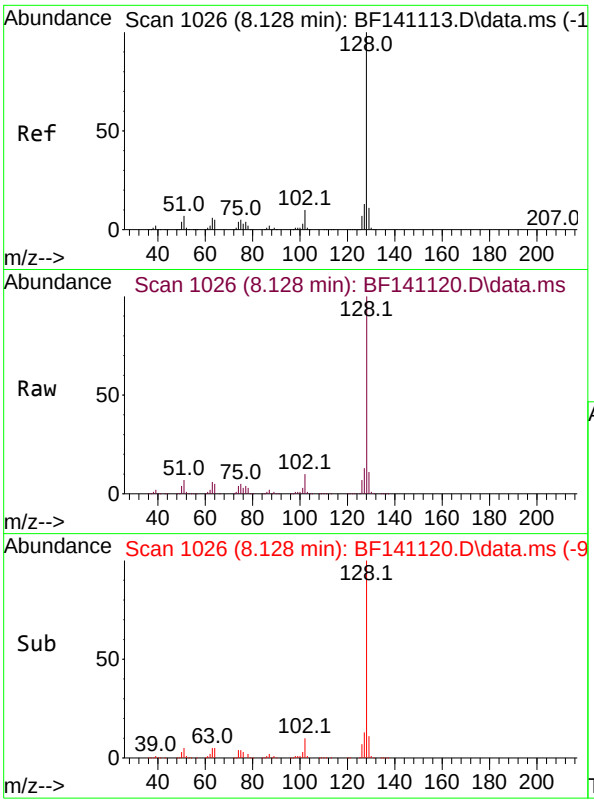




#30
1,2,4-Trichlorobenzene
Concen: 39.055 ng
RT: 8.045 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:180 Resp: 391725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.4 | 76.2 | 114.2 |
| 145 | 31.2 | 25.3 | 37.9 |



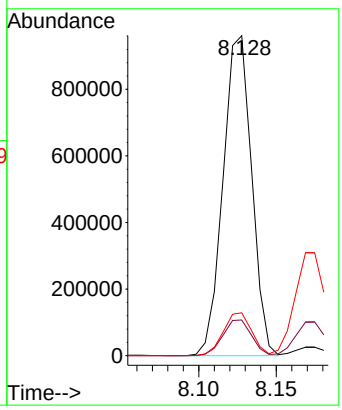


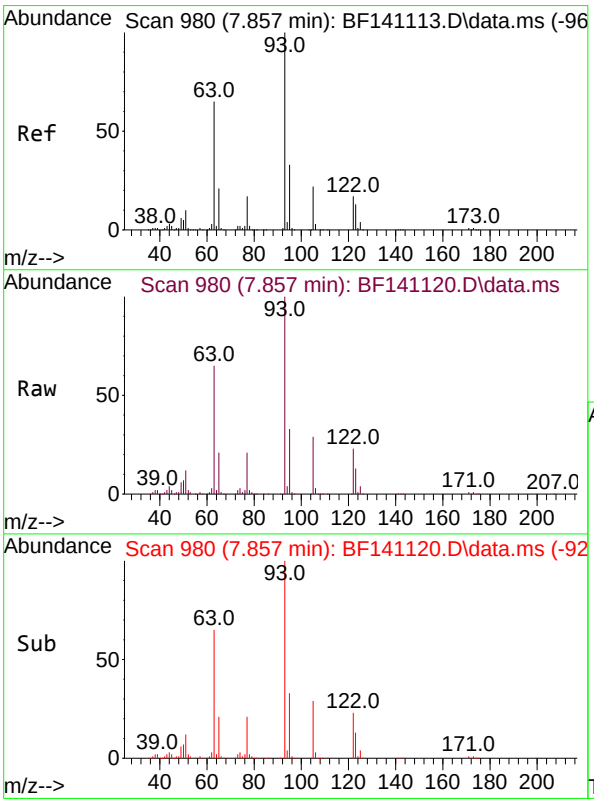

#31
Naphthalene
Concen: 38.230 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:128 Resp: 1234761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 9.0 | 13.6 |
| 127 | 13.4 | 10.8 | 16.2 |

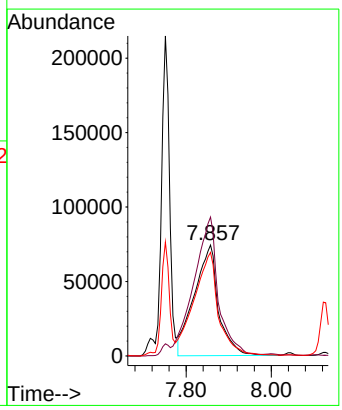


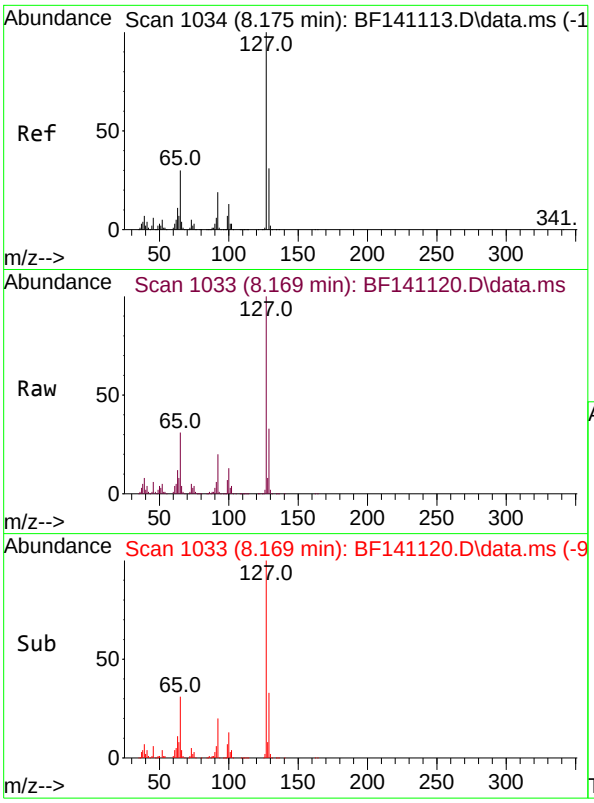




#32
Benzoic acid
Concen: 41.415 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:122 Resp: 293529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 125.3 | 105.5 | 145.5 |
| 77 | 93.4 | 75.1 | 115.1 |



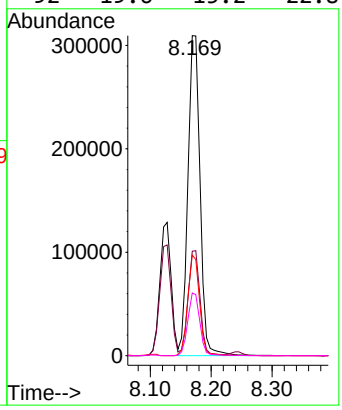


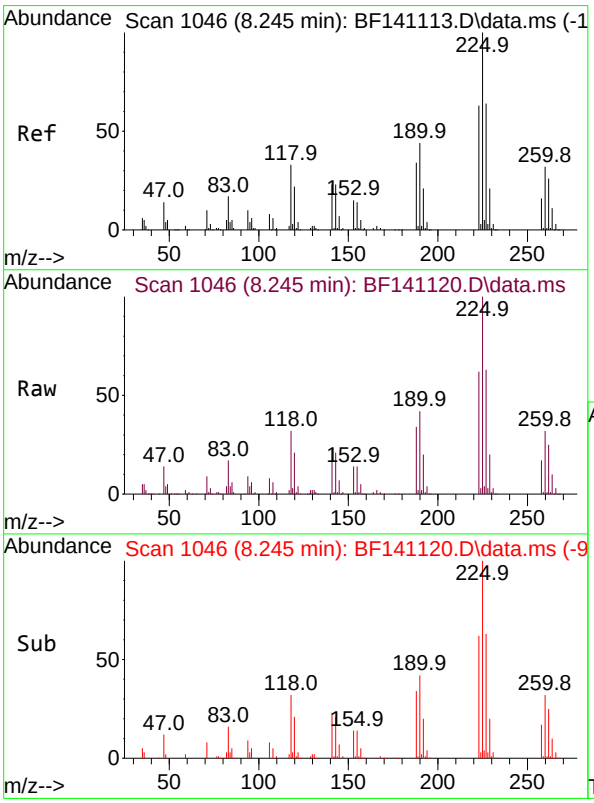

#33
4-Chloroaniline
Concen: 38.252 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:127 Resp: 427268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.7 | 25.9 | 38.9 |
| 65 | 31.4 | 23.8 | 35.8 |
| 92 | 19.6 | 15.2 | 22.8 |

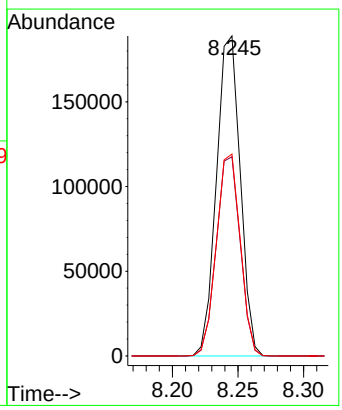


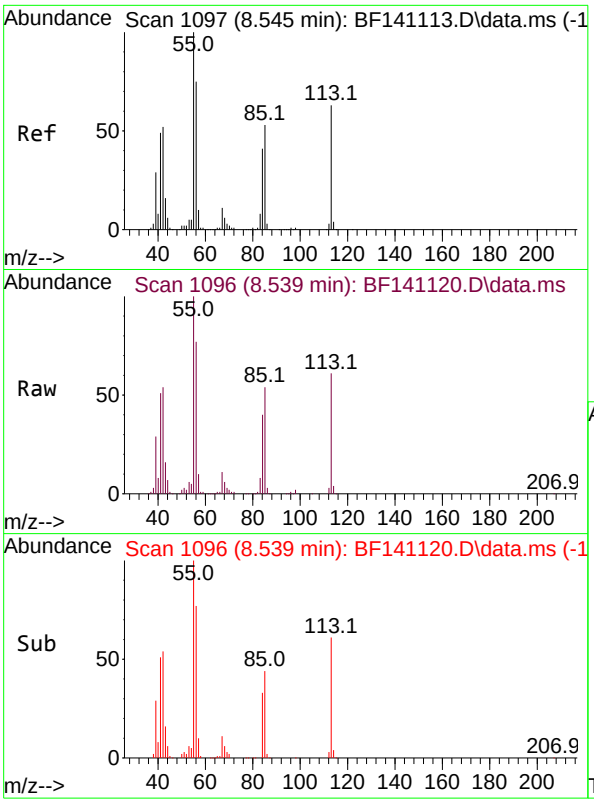




#34
Hexachlorobutadiene
Concen: 39.380 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:225 Resp: 238001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.3 | 50.6 | 76.0 |
| 227 | 63.1 | 51.6 | 77.4 |



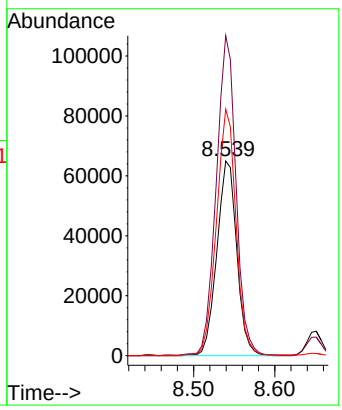


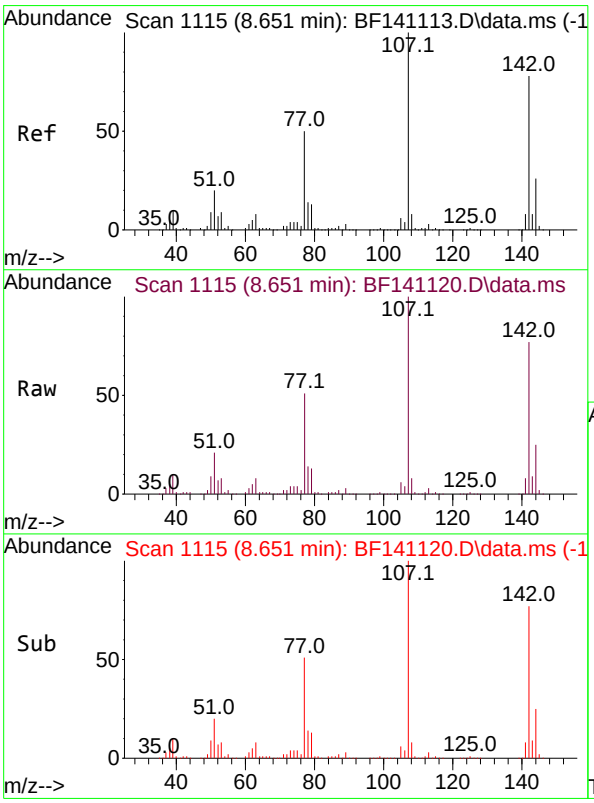

#35
Caprolactam
Concen: 38.578 ng
RT: 8.539 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:113 Resp: 110830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 164.3 | 139.7 | 179.7 |
| 56 | 126.5 | 99.4 | 139.4 |

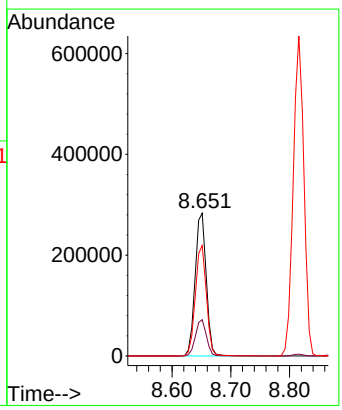


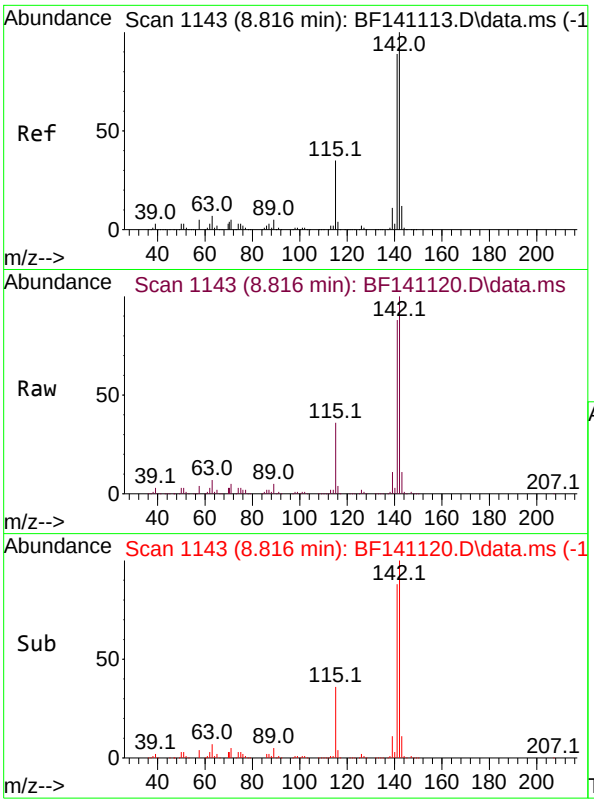




#36
4-Chloro-3-methylphenol
Concen: 38.752 ng
RT: 8.651 min Scan# 1115
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:107 Resp: 371891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.4 | 20.4 | 30.6 |
| 142 | 77.4 | 62.2 | 93.2 |



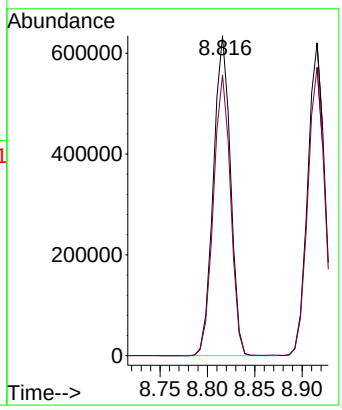


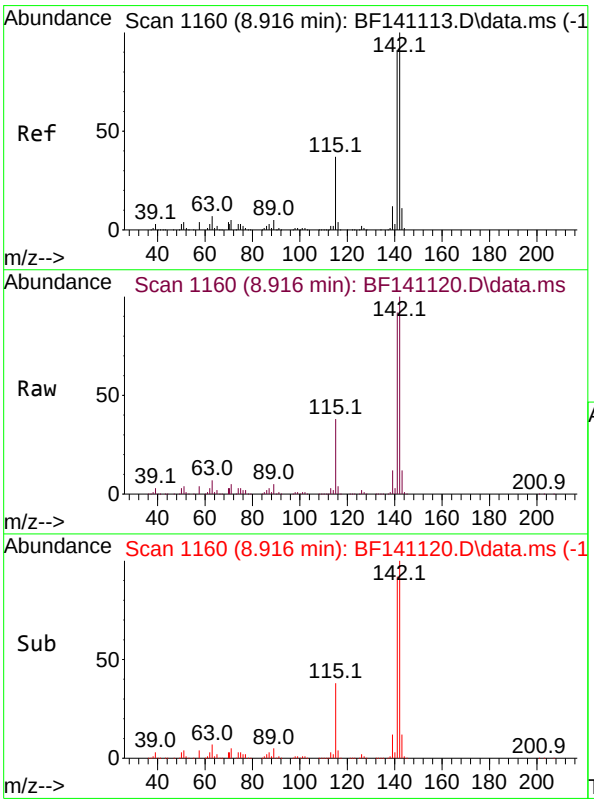

#37
2-Methylnaphthalene
Concen: 38.737 ng
RT: 8.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:142 Resp: 797256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.7 | 71.3 | 106.9 |

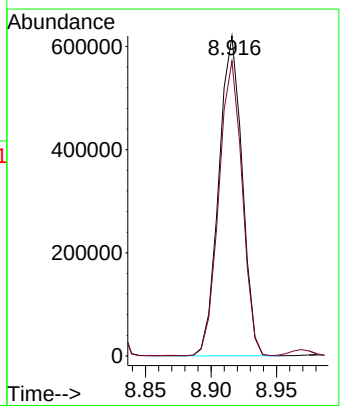


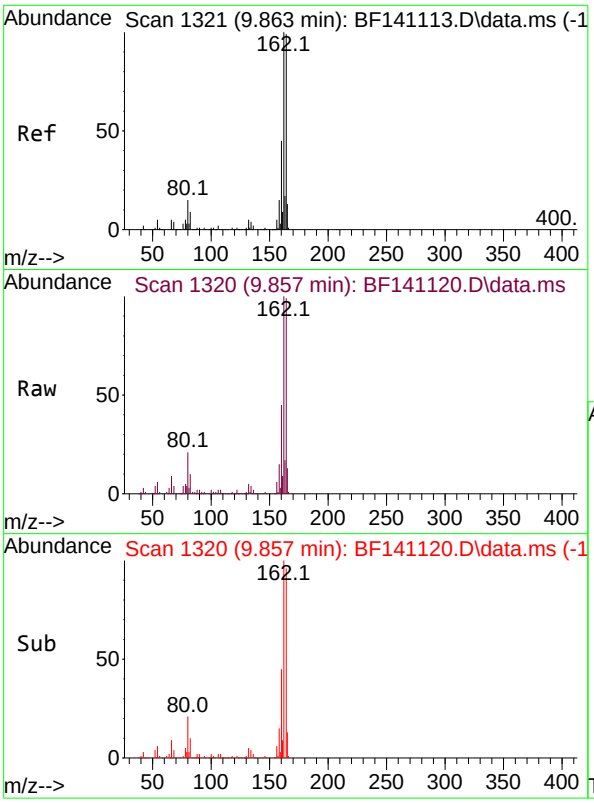




#38
1-Methylnaphthalene
Concen: 37.862 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:142 Resp: 767986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.1 | 73.1 | 109.7 |



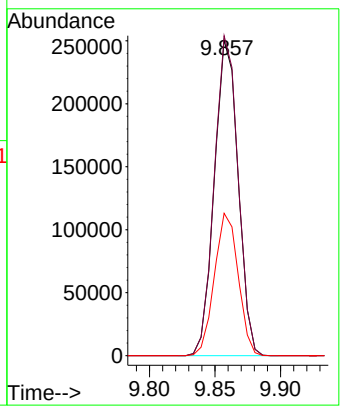


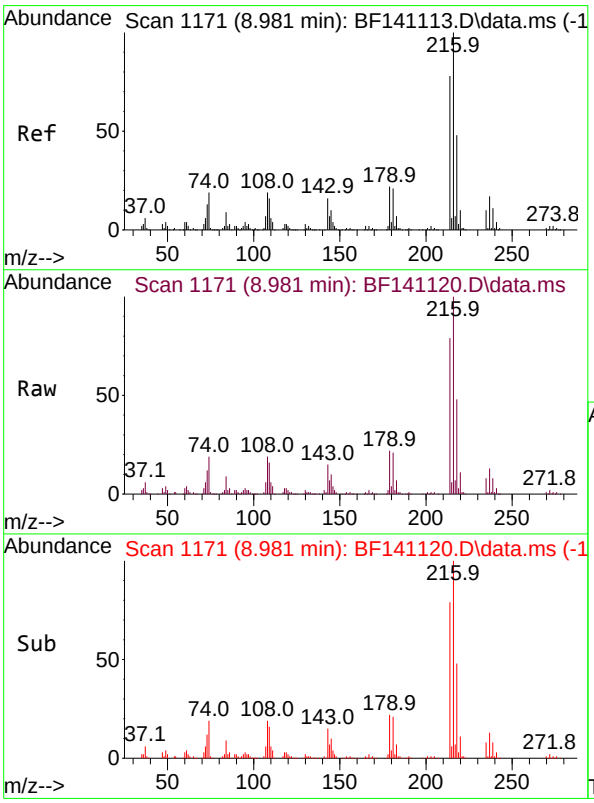

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:164 Resp: 314997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.4 | 81.0 | 121.4 |
| 160 | 45.1 | 36.1 | 54.1 |

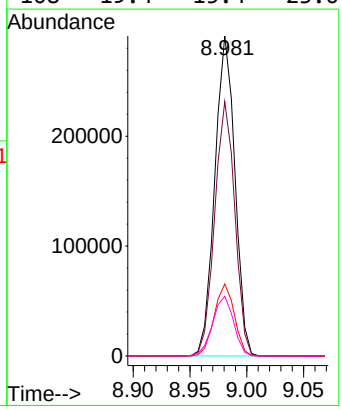


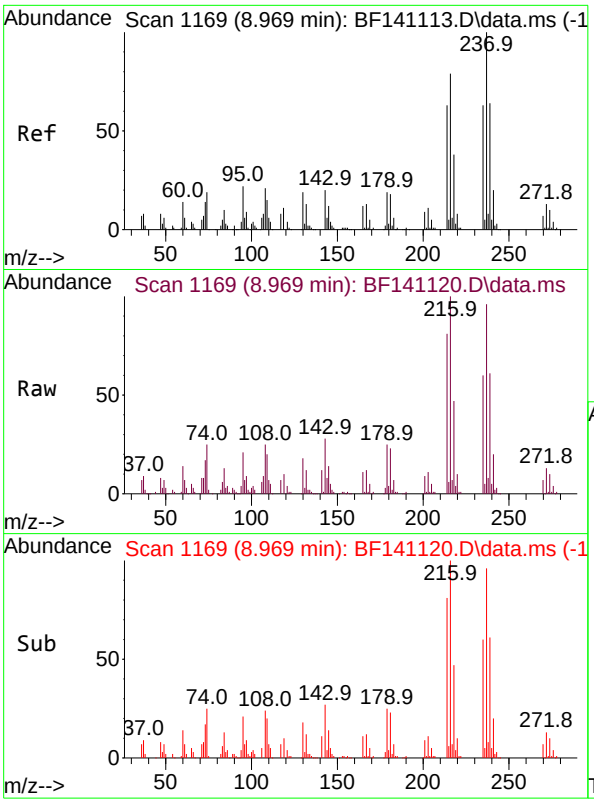




#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.725 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:216 Resp: 359153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.3 | 62.6 | 94.0 |
| 179 | 22.5 | 17.7 | 26.5 |
| 108 | 19.4 | 15.4 | 23.0 |



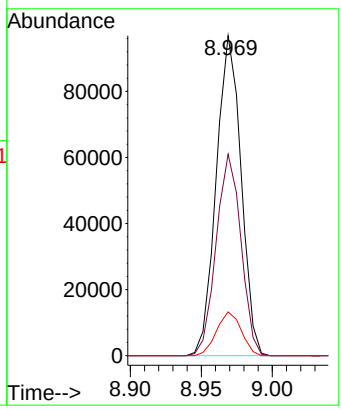


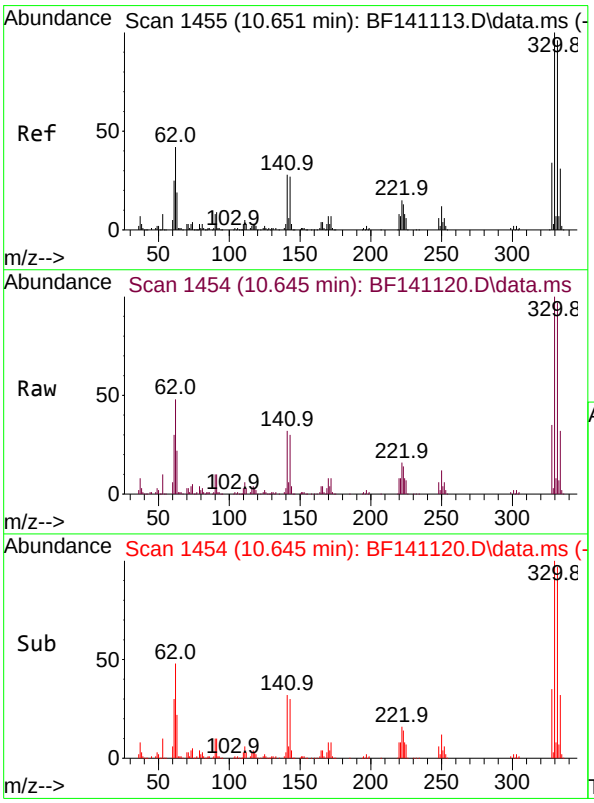

#41
Hexachlorocyclopentadiene
Concen: 39.744 ng
RT: 8.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:237 Resp: 117559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.0 | 43.0 | 83.0 |
| 272 | 13.7 | 0.0 | 33.0 |

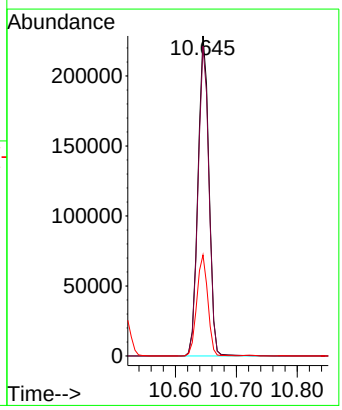


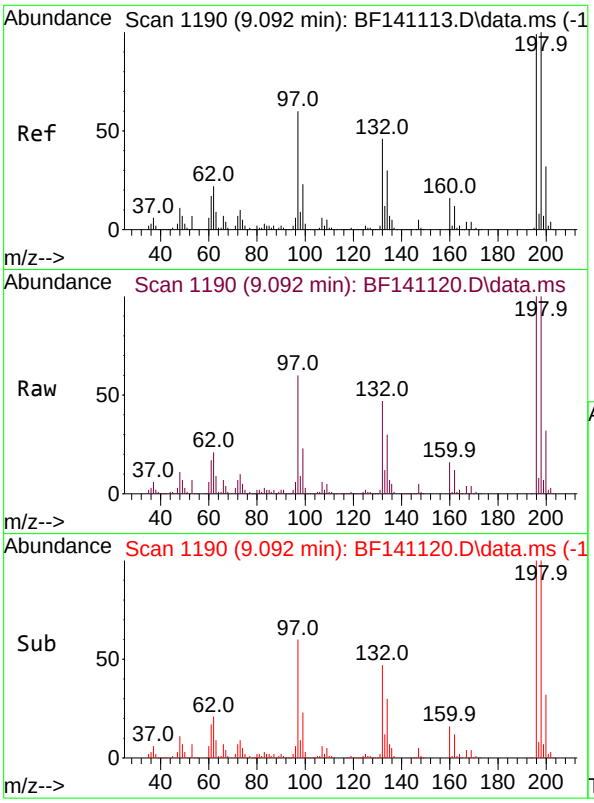




#42
2,4,6-Tribromophenol
Concen: 79.554 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:330 Resp: 285534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 76.9 | 115.3 |
| 141 | 31.6 | 25.2 | 37.8 |



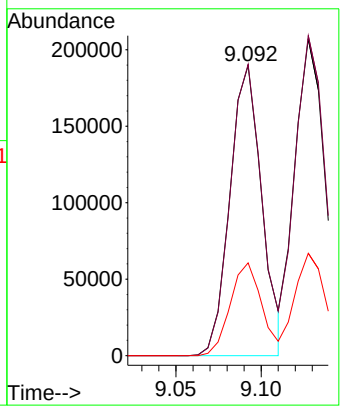


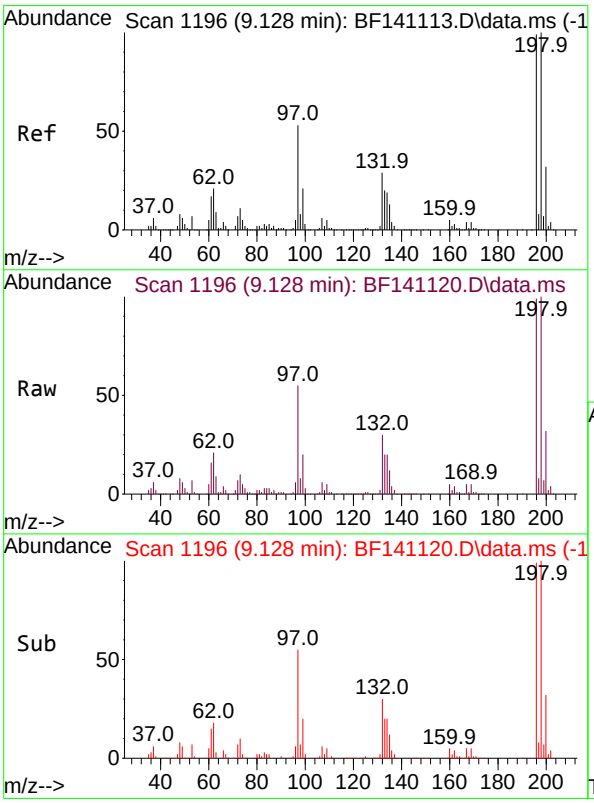

#43
2,4,6-Trichlorophenol
Concen: 40.474 ng
RT: 9.092 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:196 Resp: 246797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.4 | 80.8 | 121.2 |
| 200 | 32.0 | 25.7 | 38.5 |

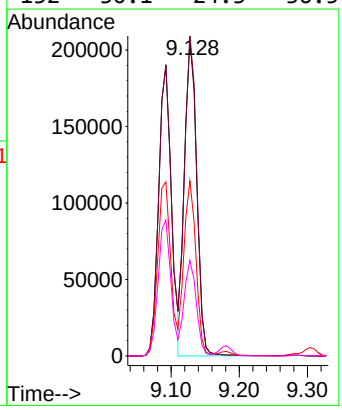


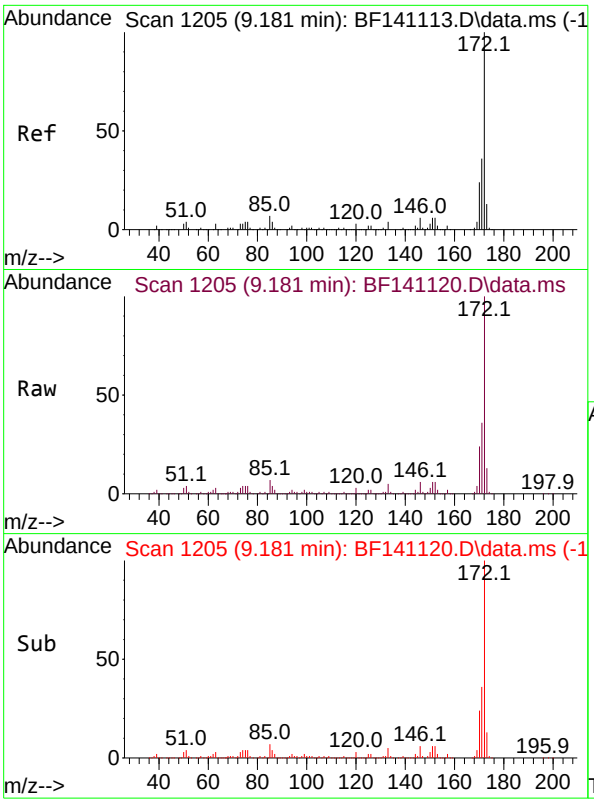




#44
2,4,5-Trichlorophenol
Concen: 40.064 ng
RT: 9.128 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:196 Resp: 258003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.0 | 80.6 | 120.8 |
| 97 | 55.3 | 43.1 | 64.7 |
| 132 | 30.1 | 24.3 | 36.5 |



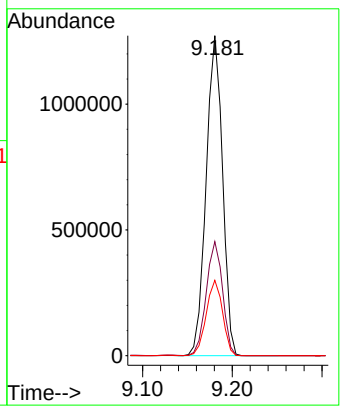


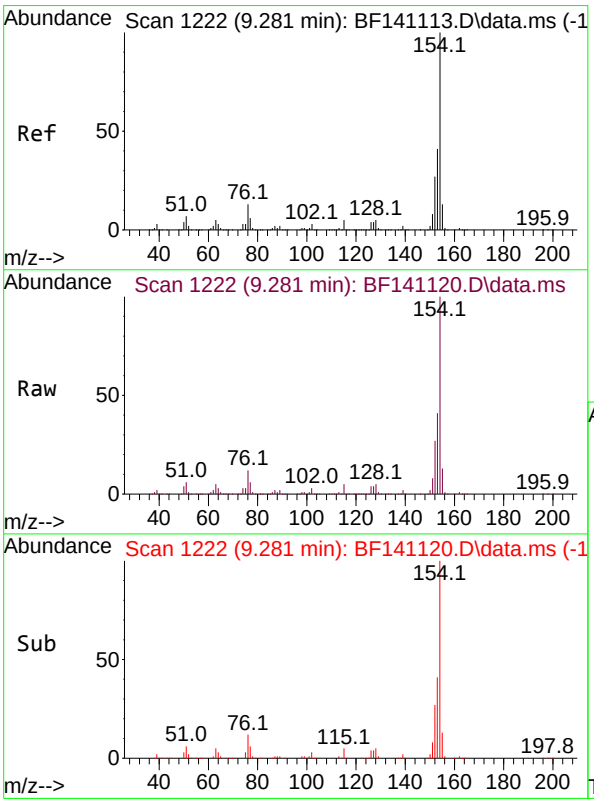

#45
2-Fluorobiphenyl
Concen: 78.281 ng
RT: 9.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:172 Resp: 1614765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.7 | 28.7 | 43.1 |
| 170 | 23.6 | 19.0 | 28.6 |

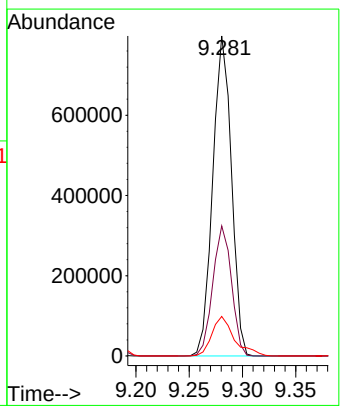


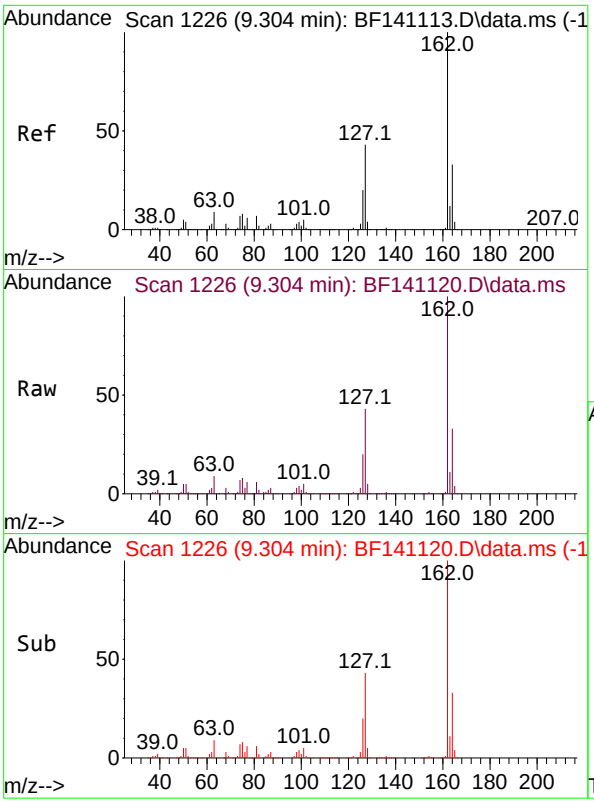




#46
1,1'-Biphenyl
Concen: 39.682 ng
RT: 9.281 min Scan# 1222
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:154 Resp: 970736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.6 | 20.7 | 60.7 |
| 76 | 12.4 | 0.0 | 33.1 |



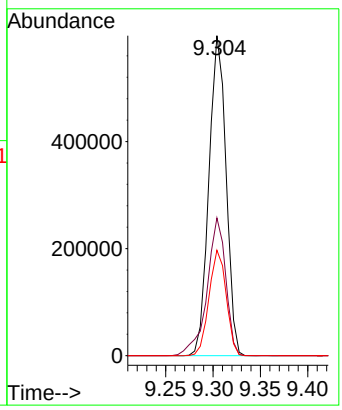


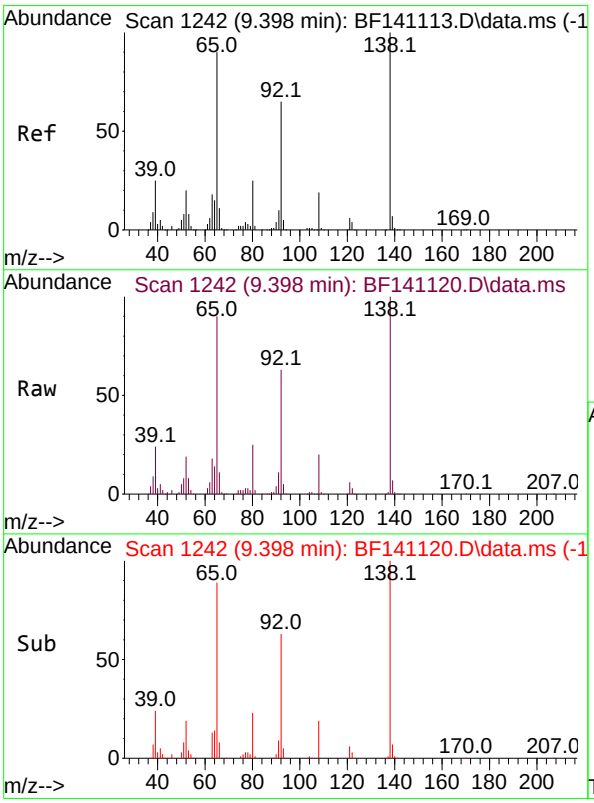

#47
2-Chloronaphthalene
Concen: 39.481 ng
RT: 9.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:162 Resp: 752248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.0 | 34.6 | 51.8 |
| 164 | 33.0 | 26.5 | 39.7 |

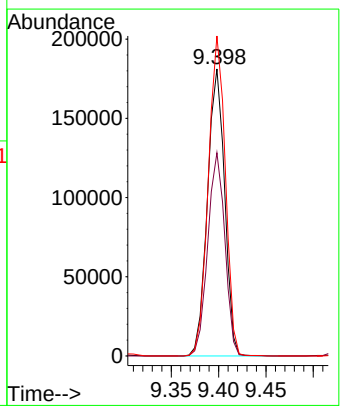


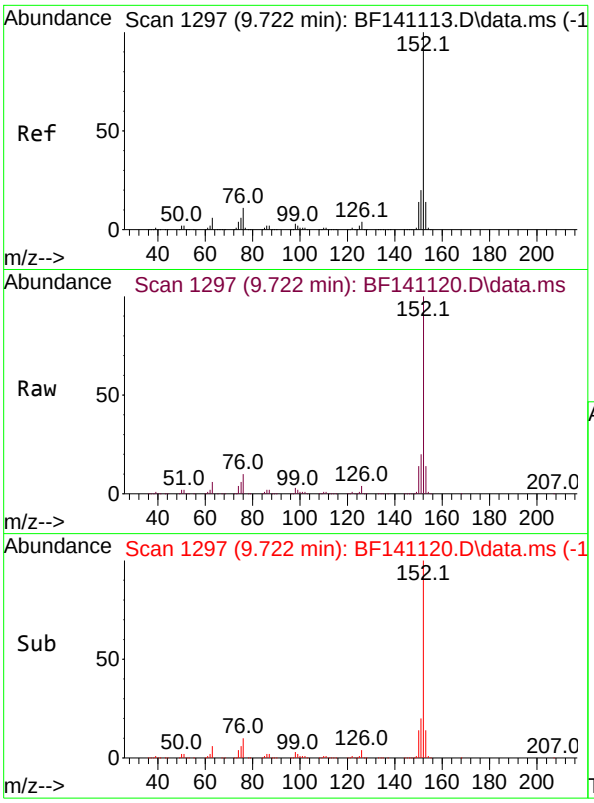




#48
2-Nitroaniline
Concen: 40.330 ng
RT: 9.398 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion: 65 Resp: 227785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.8 | 58.3 | 87.5 |
| 138 | 111.5 | 89.1 | 133.7 |



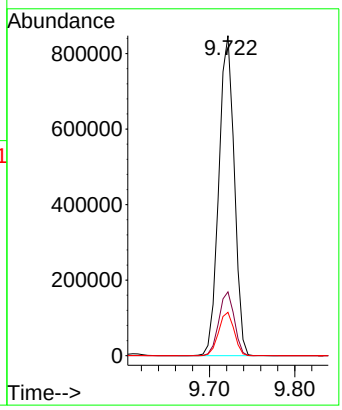


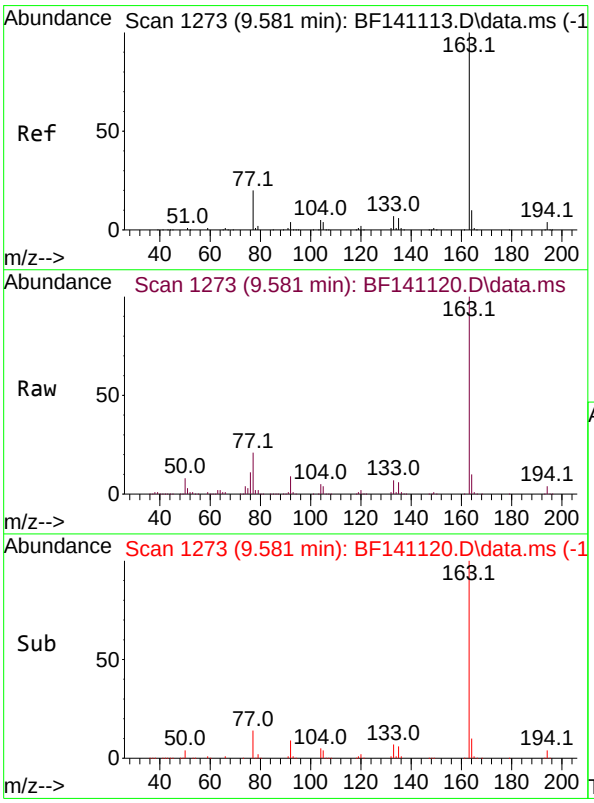

#49
Acenaphthylene
Concen: 39.356 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:152 Resp: 1071325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 16.1 | 24.1 |
| 153 | 13.5 | 11.1 | 16.7 |

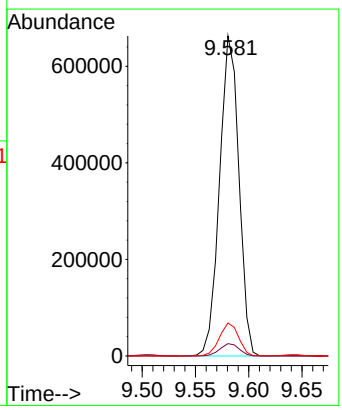


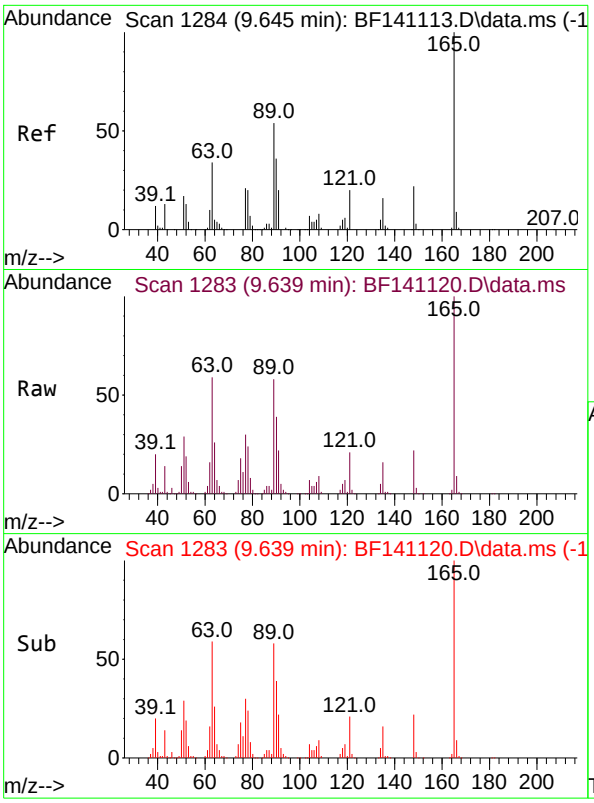




#50
Dimethylphthalate
Concen: 39.515 ng
RT: 9.581 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:163 Resp: 835630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.6 |
| 164 | 10.3 | 8.2 | 12.4 |



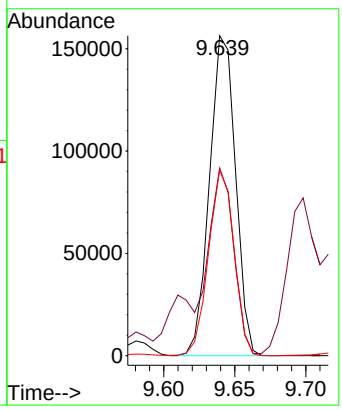


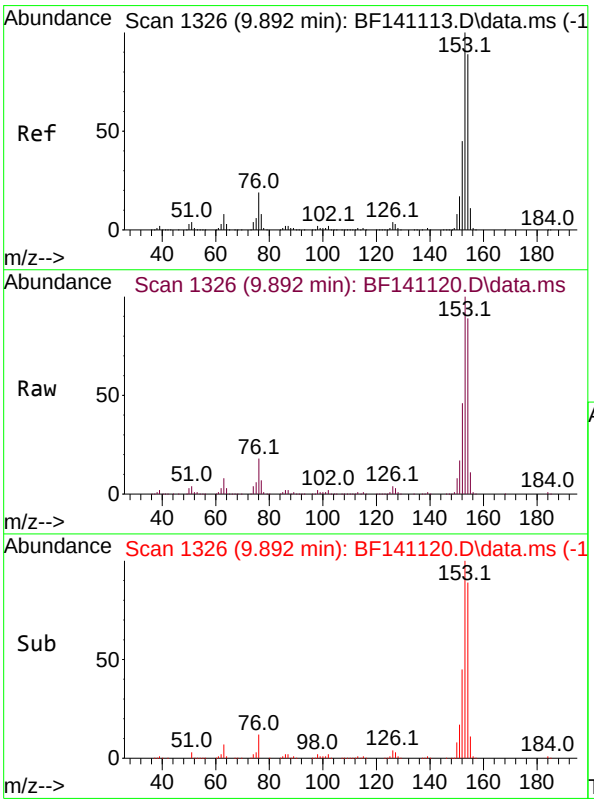

#51
2,6-Dinitrotoluene
Concen: 40.554 ng
RT: 9.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:165 Resp: 199428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 58.7 | 42.3 | 63.5 |
| 89 | 57.9 | 43.1 | 64.7 |

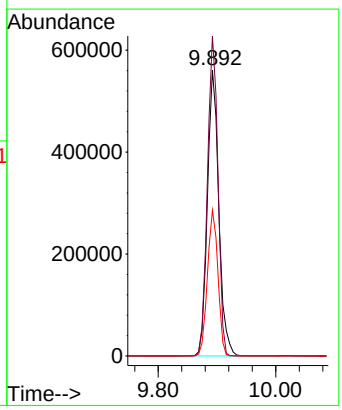


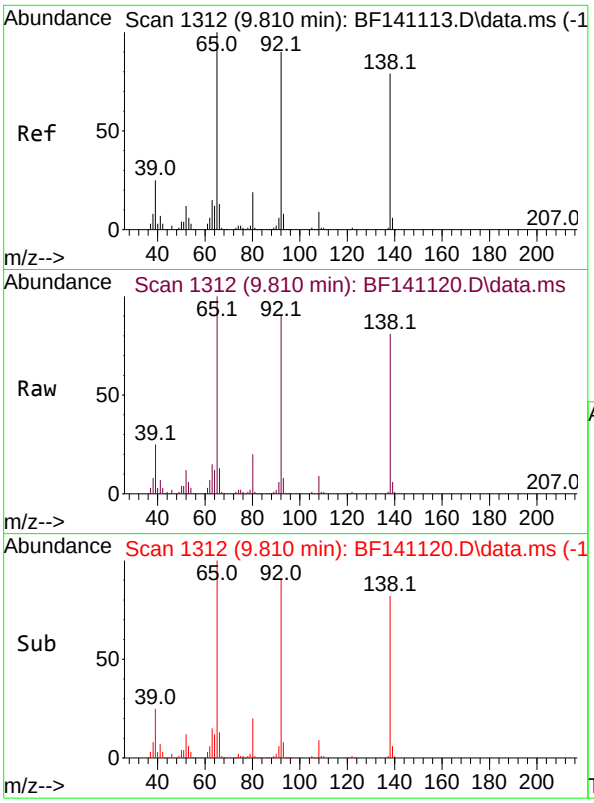




#52
Acenaphthene
Concen: 39.611 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:154 Resp: 753339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.0 | 89.8 | 134.6 |
| 152 | 51.0 | 40.8 | 61.2 |



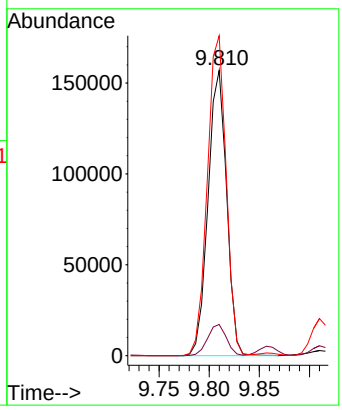


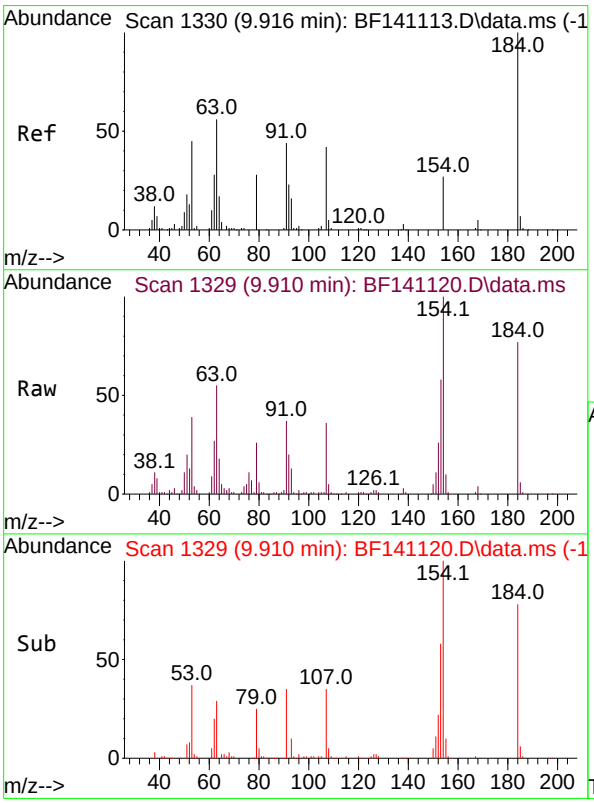

#53
3-Nitroaniline
Concen: 40.360 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:138 Resp: 201692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.9 | 8.8 | 13.2 |
| 92 | 112.1 | 91.3 | 136.9 |

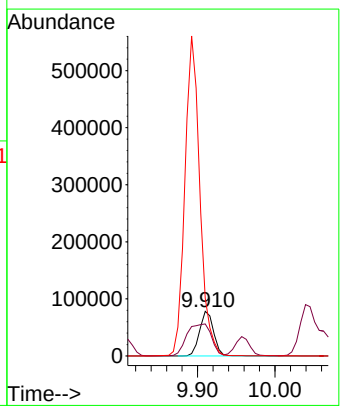


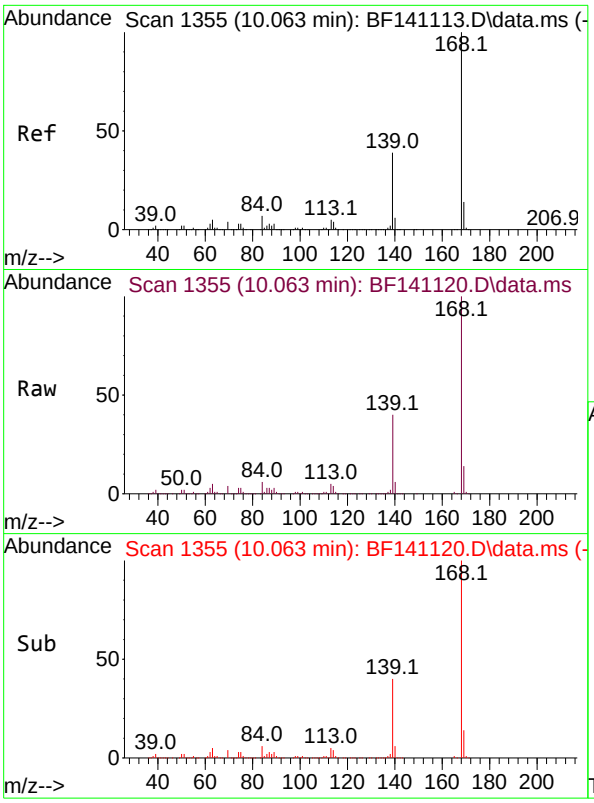




#54
2,4-Dinitrophenol
Concen: 42.266 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:184 Resp: 98794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 71.7 | 48.7 | 73.1 |
| 154 | 129.2 | 57.1 | 85.7# |



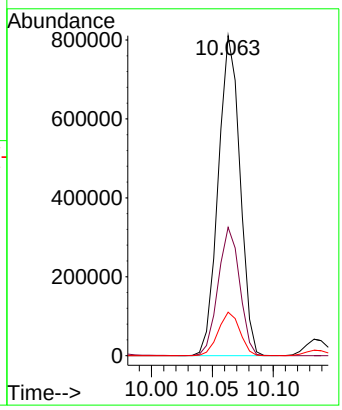


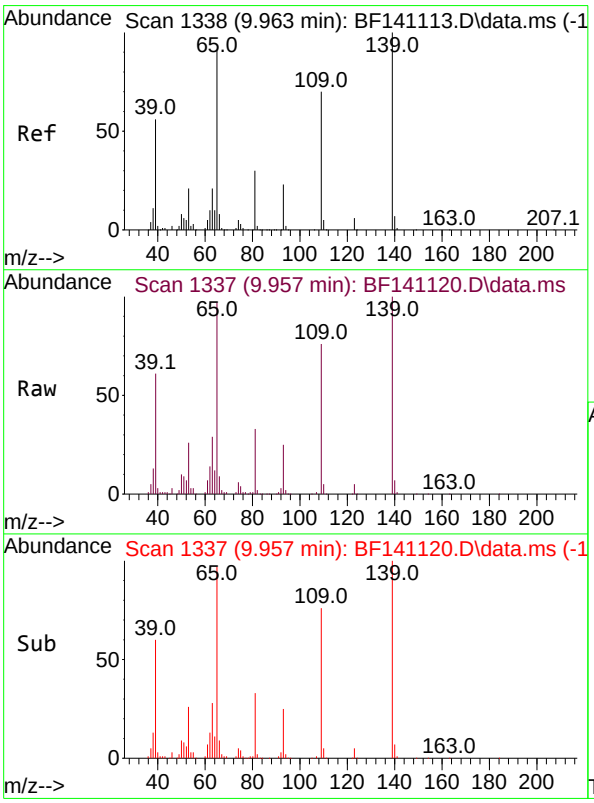

#55
Dibenzofuran
Concen: 38.957 ng
RT: 10.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:168 Resp: 1007778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.1 | 31.4 | 47.0 |
| 169 | 13.6 | 10.9 | 16.3 |

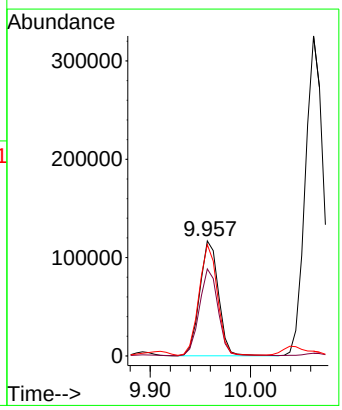


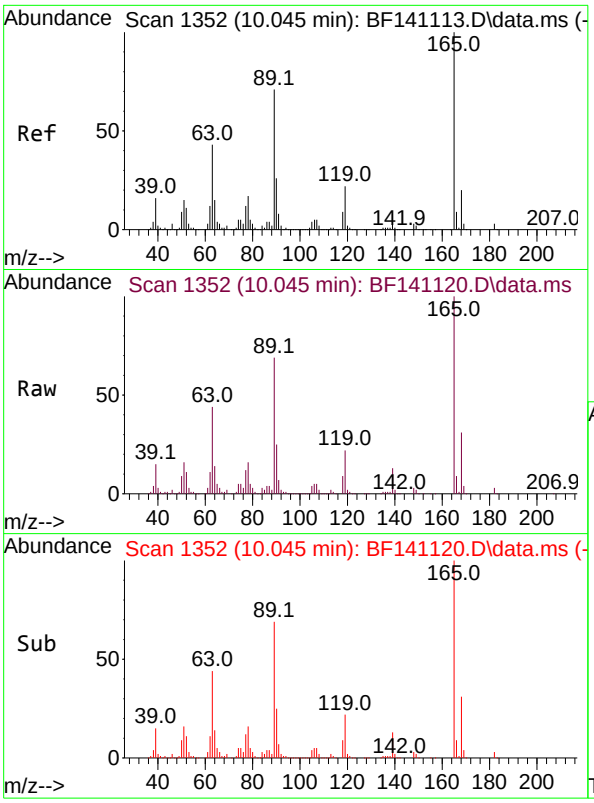




#56
4-Nitrophenol
Concen: 38.970 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:139 Resp: 152518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 75.6 | 50.2 | 90.2 |
| 65 | 96.9 | 72.1 | 112.1 |



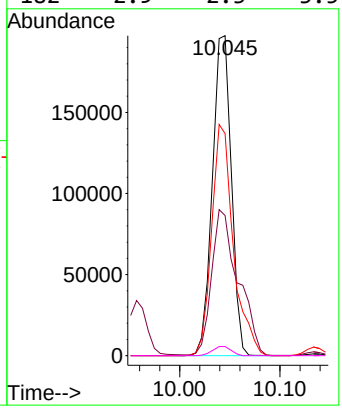


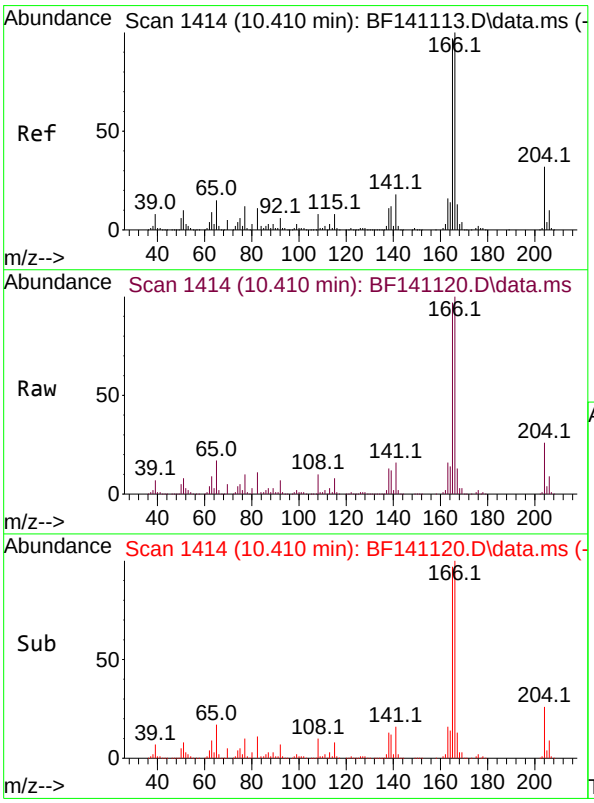

#57
2,4-Dinitrotoluene
Concen: 40.773 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:165 Resp: 258400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 43.8 | 35.0 | 52.4 |
| 89 | 69.4 | 56.7 | 85.1 |
| 182 | 2.9 | 2.3 | 3.5 |

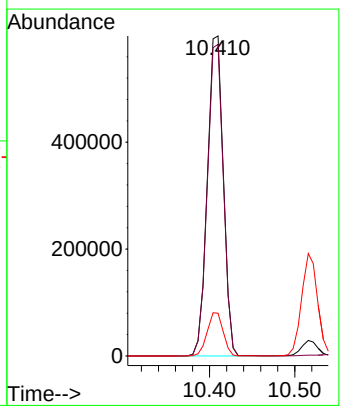


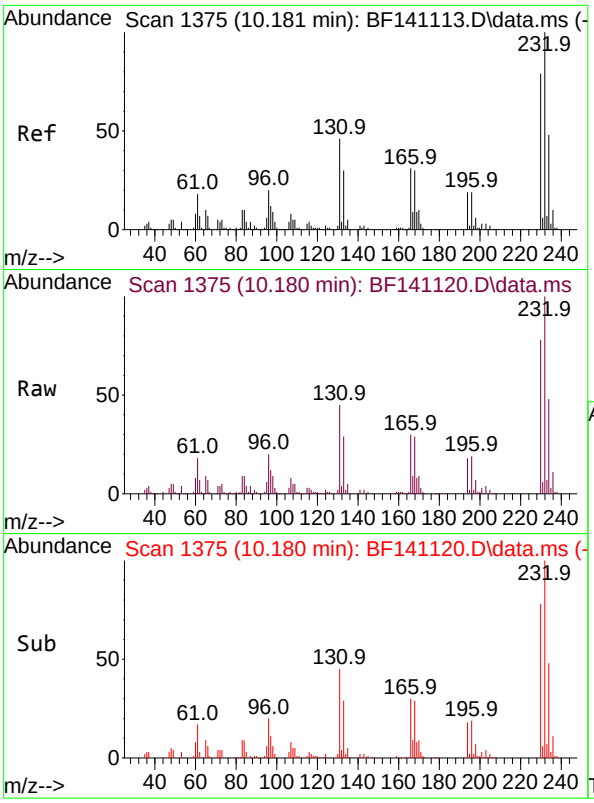




#58
Fluorene
Concen: 38.770 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:166 Resp: 779173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.3 | 77.8 | 116.8 |
| 167 | 13.4 | 10.8 | 16.2 |



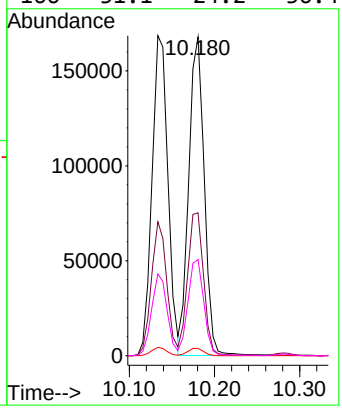


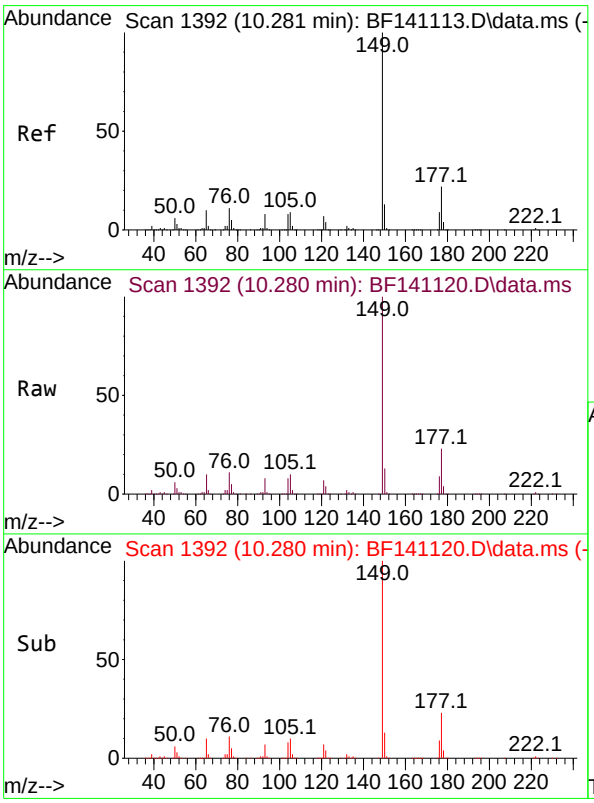

#59
2,3,4,6-Tetrachlorophenol
Concen: 39.593 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:232 Resp: 211938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.0 | 36.2 | 54.4 |
| 130 | 2.4 | 2.0 | 3.0 |
| 166 | 31.1 | 24.2 | 36.4 |

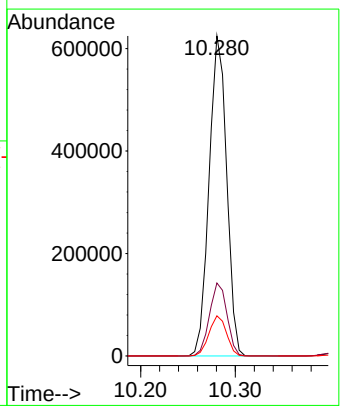


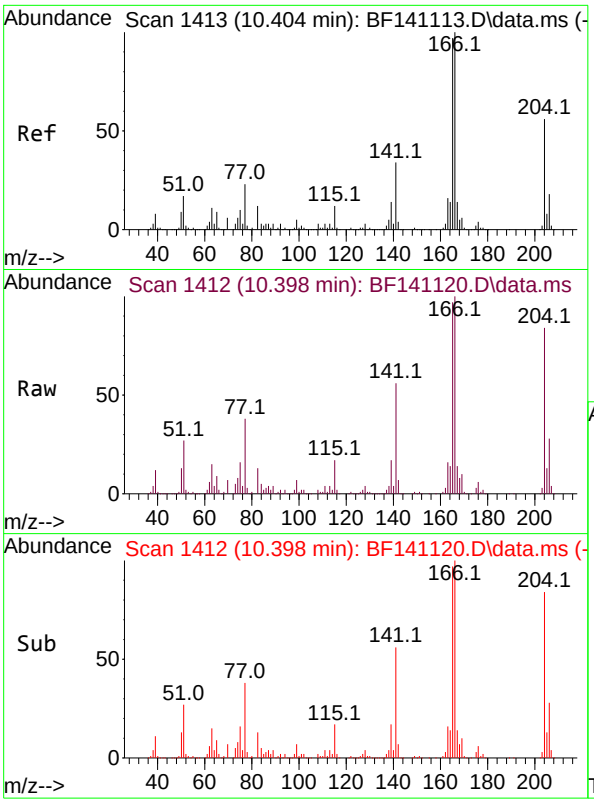




#60
Diethylphthalate
Concen: 38.912 ng
RT: 10.280 min Scan# 1392
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:149 Resp: 803338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.8 | 17.9 | 26.9 |
| 150 | 12.6 | 10.2 | 15.2 |



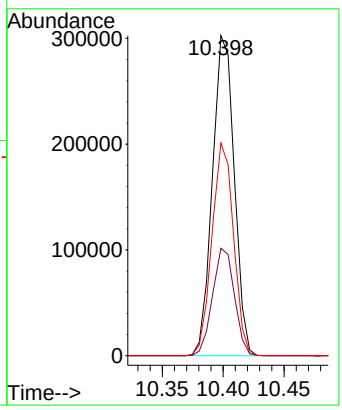


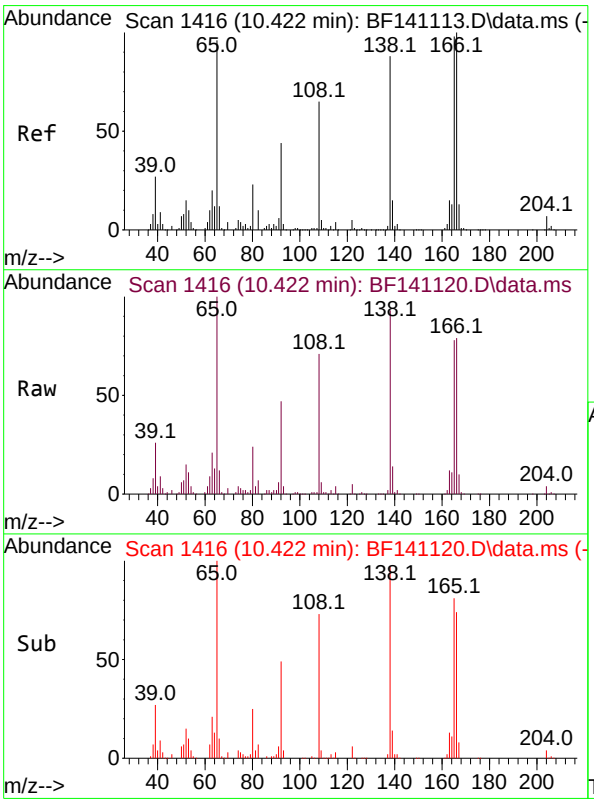

#61
4-Chlorophenyl-phenylether
Concen: 38.542 ng
RT: 10.398 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:204 Resp: 377526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.5 | 25.9 | 38.9 |
| 141 | 66.4 | 49.1 | 73.7 |

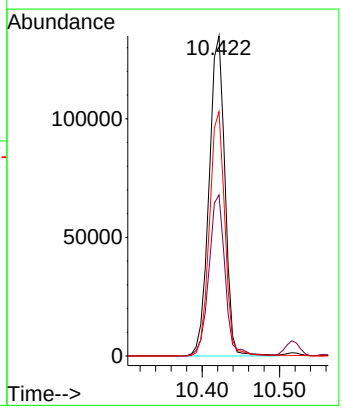


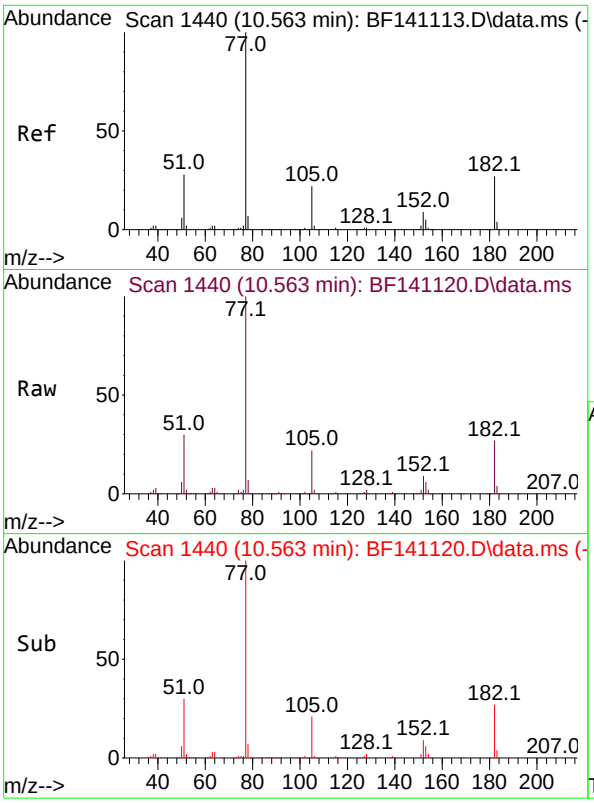




#62
4-Nitroaniline
Concen: 39.273 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:138 Resp: 192093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.4 | 29.4 | 69.4 |
| 108 | 76.4 | 53.7 | 93.7 |



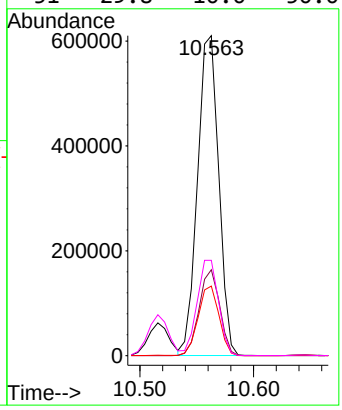


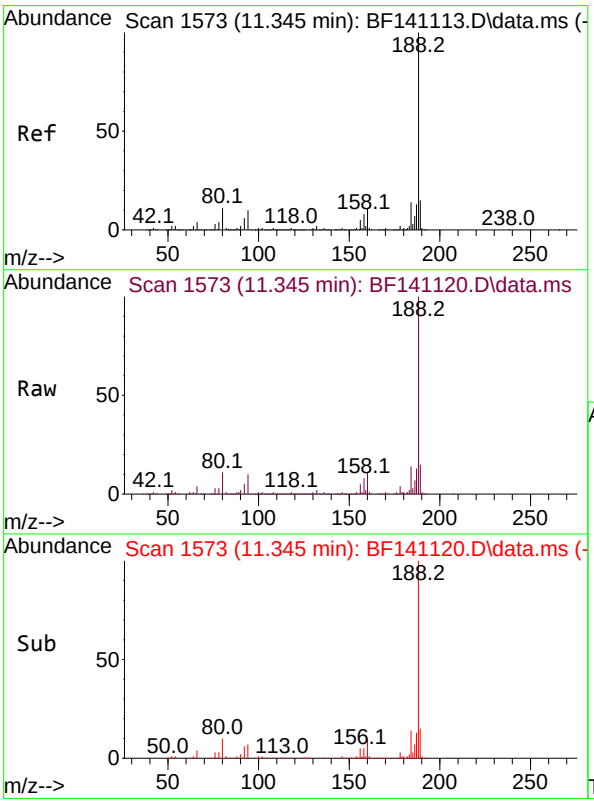

#63
Azobenzene
Concen: 38.845 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion: 77 Resp: 791308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.9 | 6.1 | 46.1 |
| 105 | 21.8 | 2.1 | 42.1 |
| 51 | 29.8 | 10.0 | 50.0 |

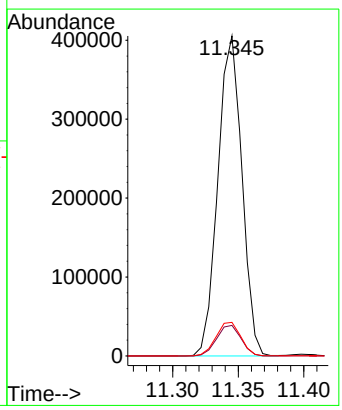


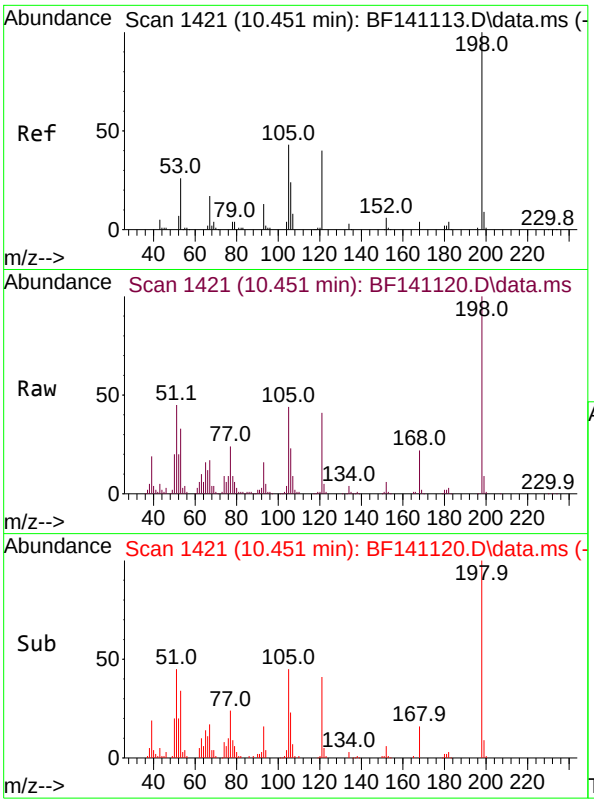




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:188 Resp: 516568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.6 | 8.3 | 12.5 |
| 80 | 10.5 | 9.0 | 13.4 |



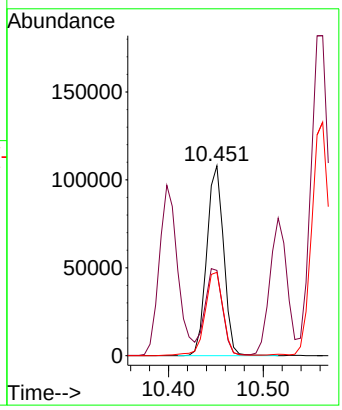


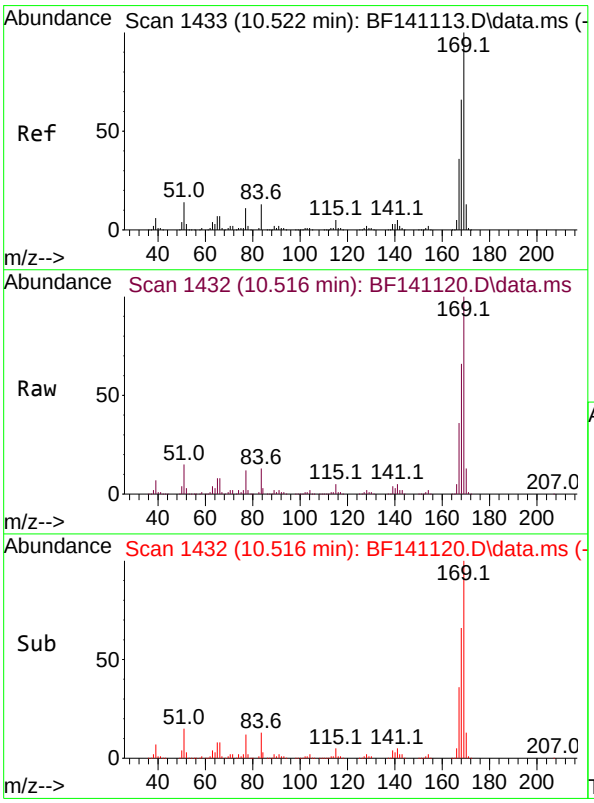

#65
4,6-Dinitro-2-methylphenol
Concen: 44.592 ng
RT: 10.451 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:198 Resp: 133479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 44.9 | 27.1 | 67.1 |
| 105 | 43.9 | 24.2 | 64.2 |

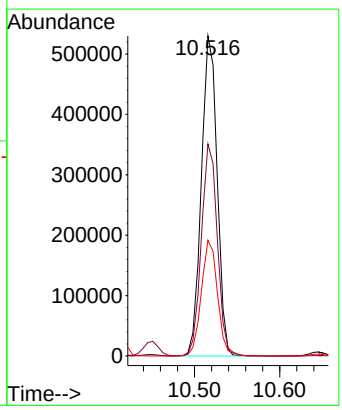


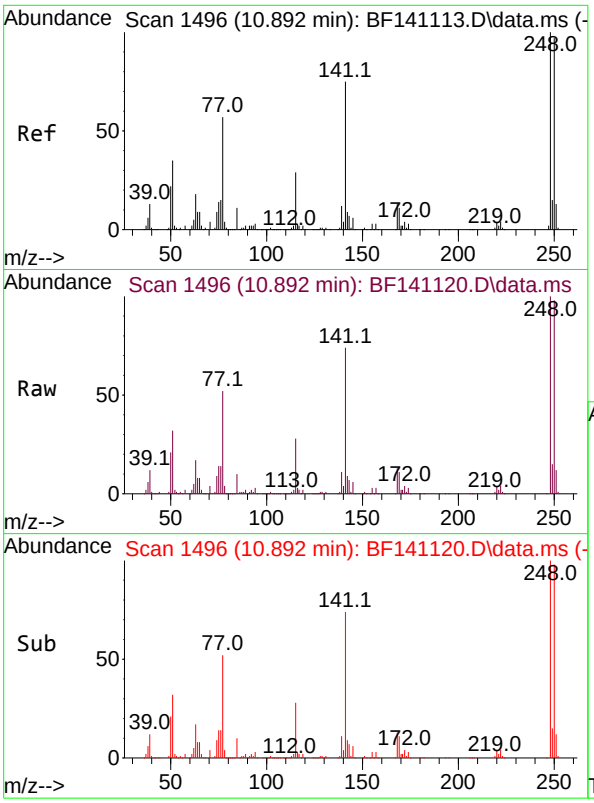




#66
n-Nitrosodiphenylamine
Concen: 40.845 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:169 Resp: 680537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.3 | 52.5 | 78.7 |
| 167 | 36.2 | 28.9 | 43.3 |



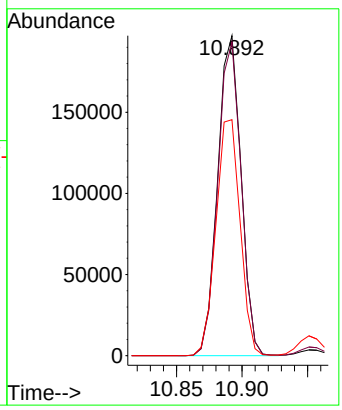


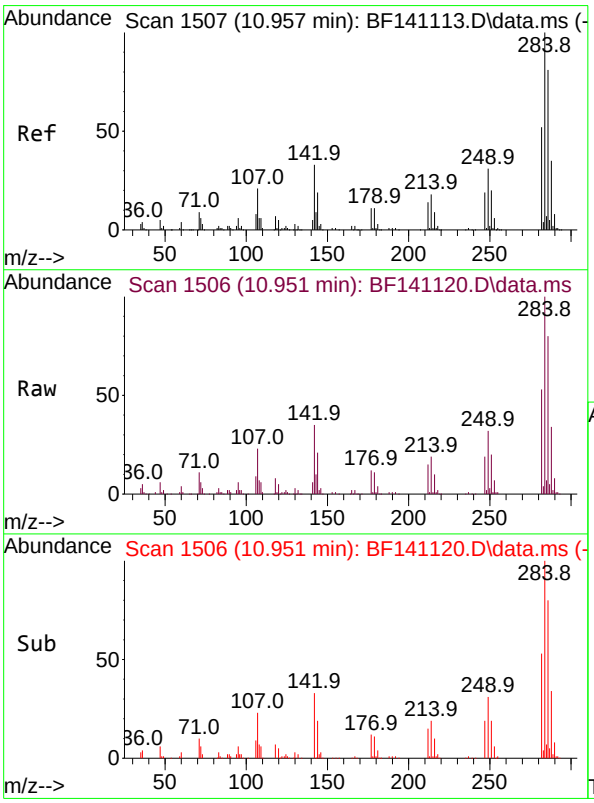

#67
4-Bromophenyl-phenylether
Concen: 41.081 ng
RT: 10.892 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:248 Resp: 244318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.0 | 77.9 | 116.9 |
| 141 | 73.7 | 59.9 | 89.9 |

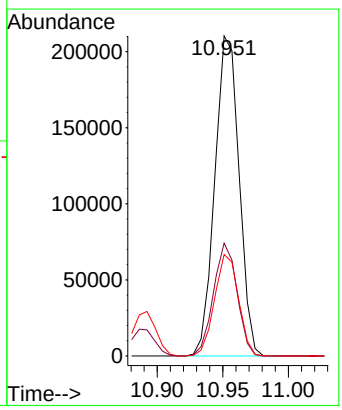


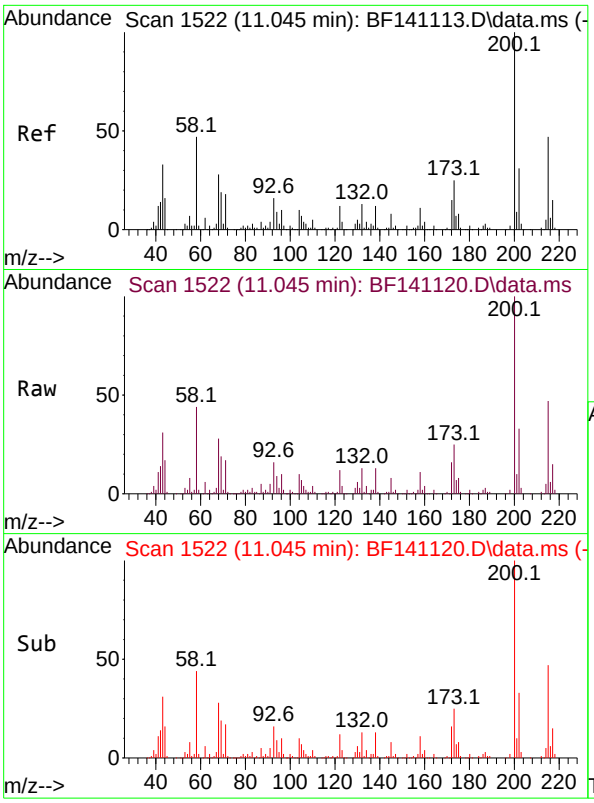




#68
Hexachlorobenzene
Concen: 40.794 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:284 Resp: 270074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 35.2 | 26.3 | 39.5 |
| 249 | 31.7 | 24.9 | 37.3 |



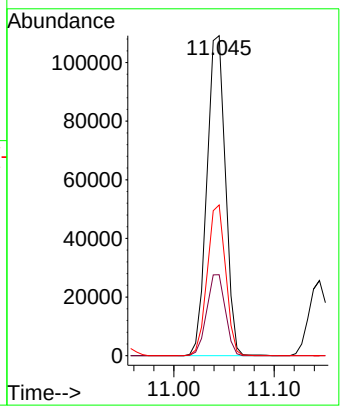


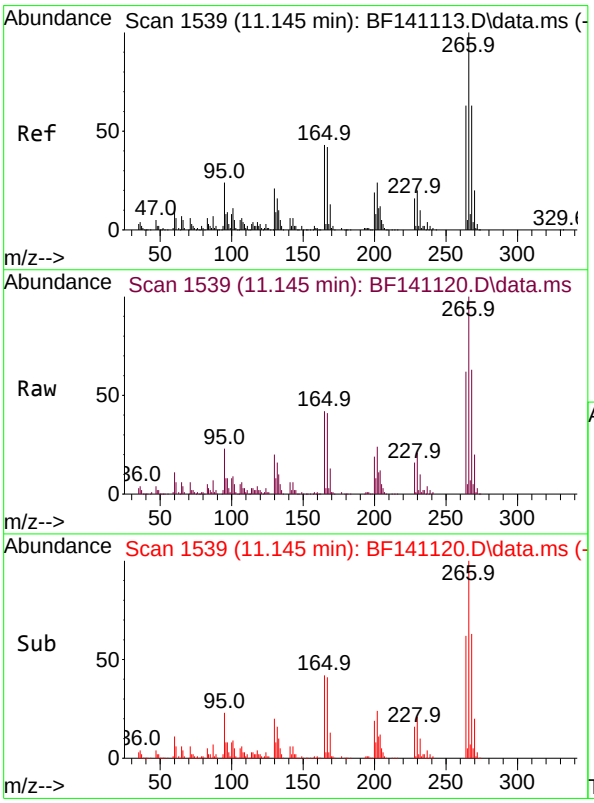

#69
Atrazine
Concen: 31.165 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:200 Resp: 139816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.3 | 5.4 | 45.4 |
| 215 | 47.1 | 26.6 | 66.6 |

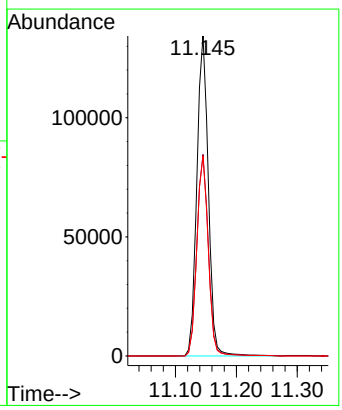


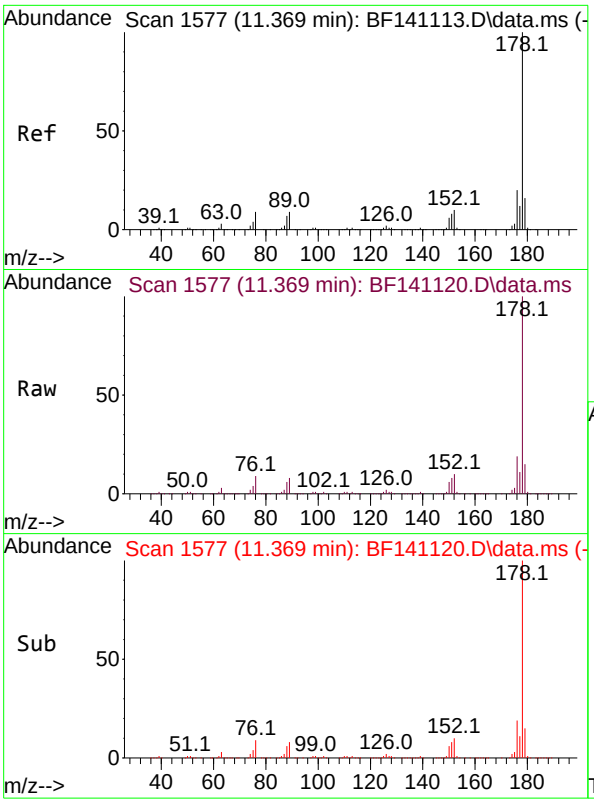




#70
Pentachlorophenol
Concen: 41.549 ng
RT: 11.145 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:266 Resp: 176156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.0 | 50.4 | 75.6 |
| 264 | 62.4 | 50.2 | 75.2 |



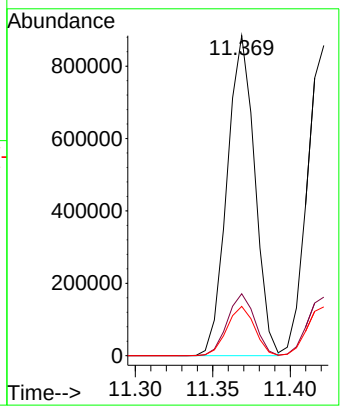


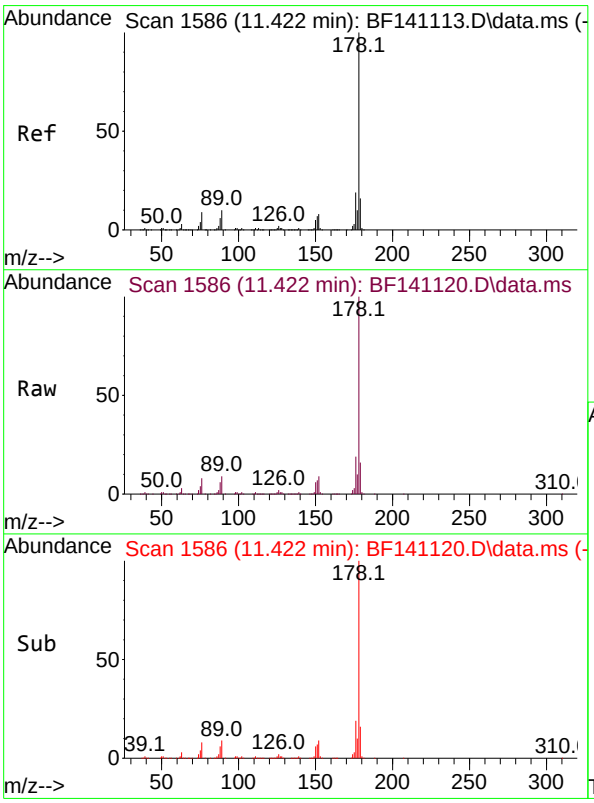

#71
Phenanthrene
Concen: 39.514 ng
RT: 11.369 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:178 Resp: 1095830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.7 | 23.5 |
| 179 | 15.4 | 12.6 | 19.0 |

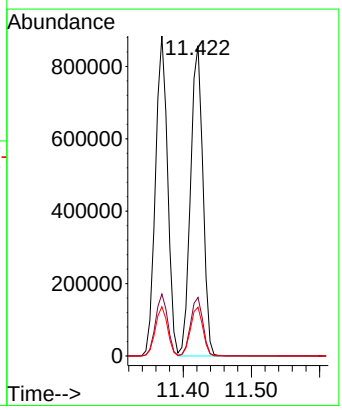


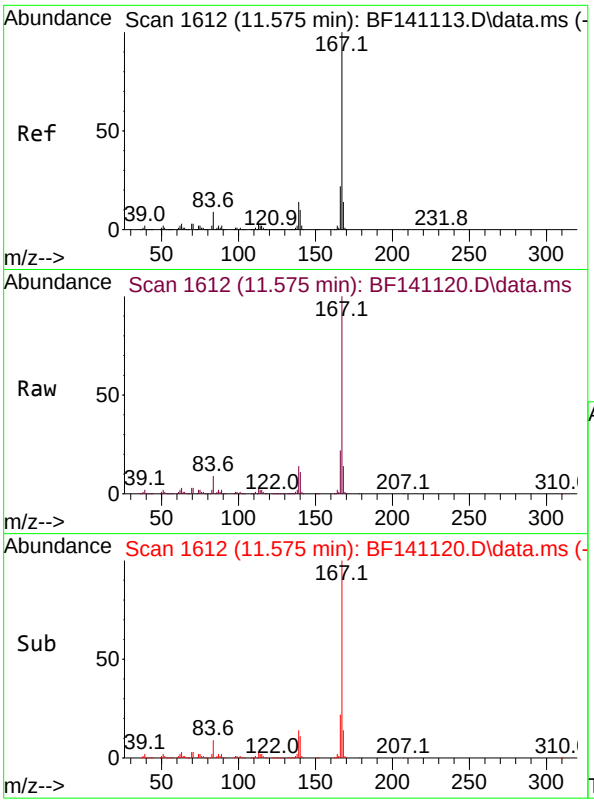




#72
Anthracene
Concen: 39.789 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:178 Resp: 1072960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 14.9 | 22.3 |
| 179 | 15.8 | 12.6 | 19.0 |



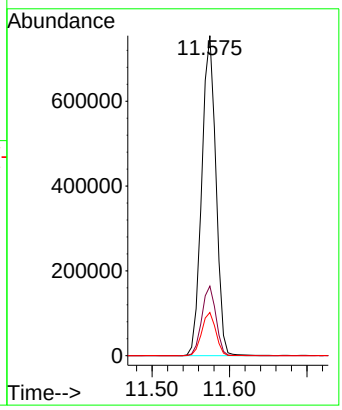


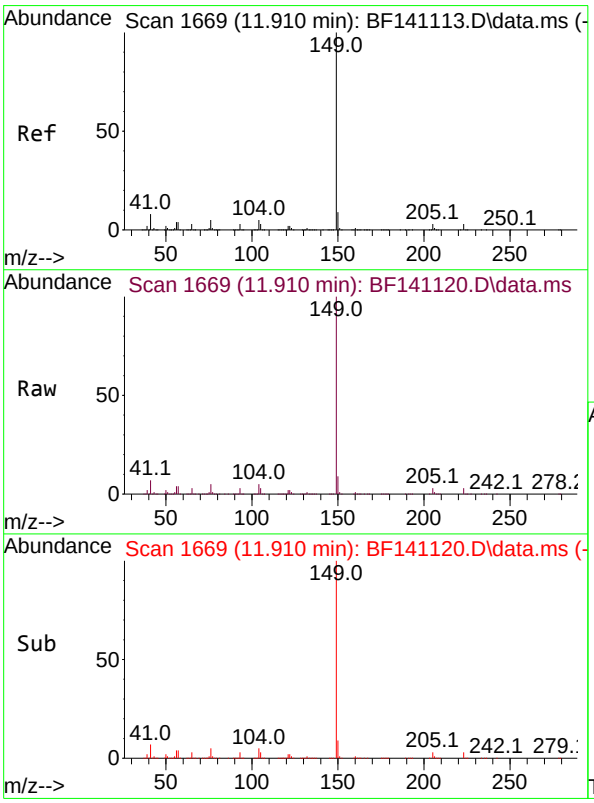

#73
Carbazole
Concen: 38.715 ng
RT: 11.575 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:167 Resp: 957273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.7 | 17.4 | 26.2 |
| 139 | 13.5 | 10.9 | 16.3 |

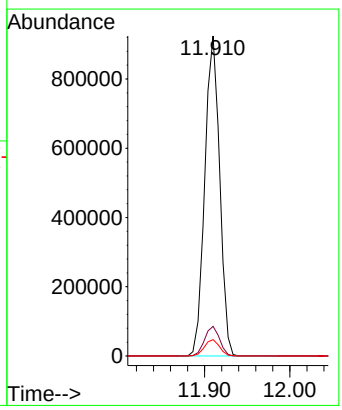


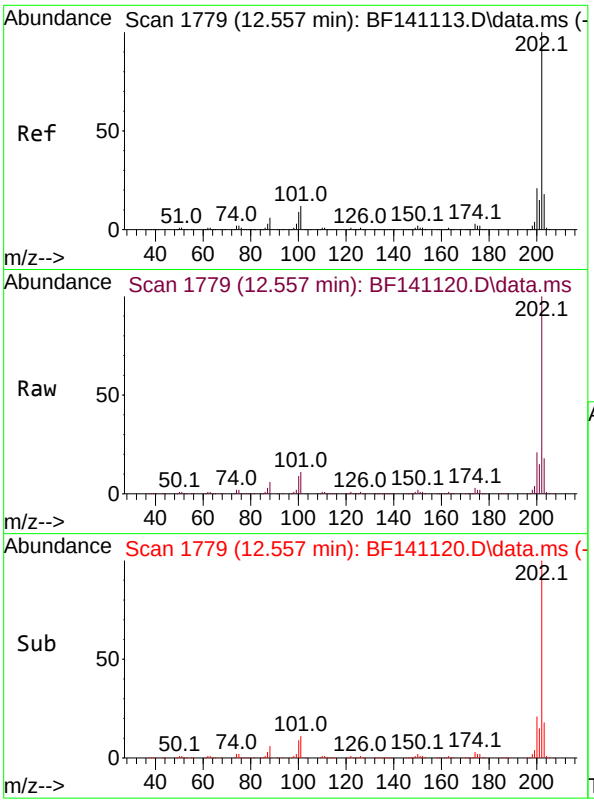




#74
Di-n-butylphthalate
Concen: 39.593 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:149 Resp: 1120353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.4 | 11.2 |
| 104 | 5.1 | 4.2 | 6.2 |



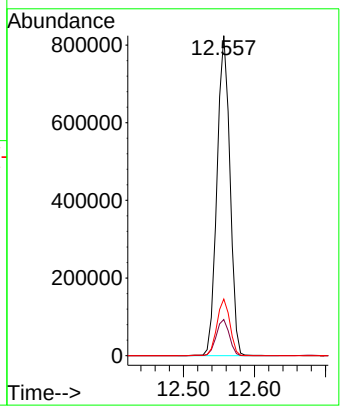


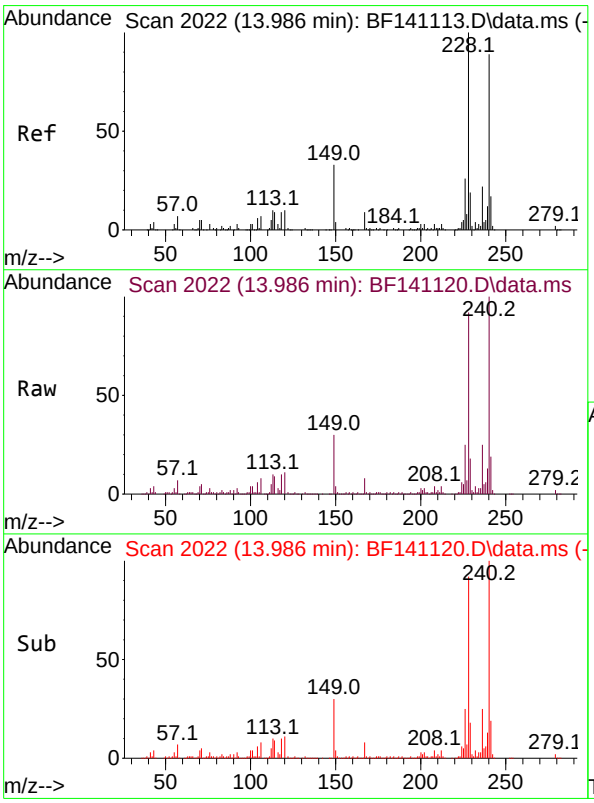

#75
Fluoranthene
Concen: 37.440 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:202 Resp: 1036155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.3 | 0.0 | 32.3 |
| 203 | 17.7 | 0.0 | 37.7 |

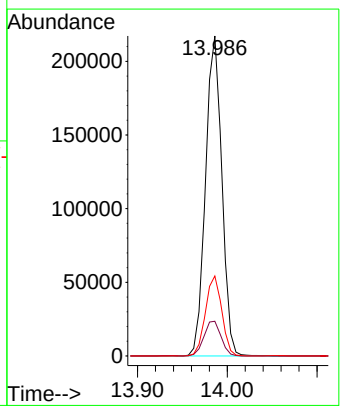


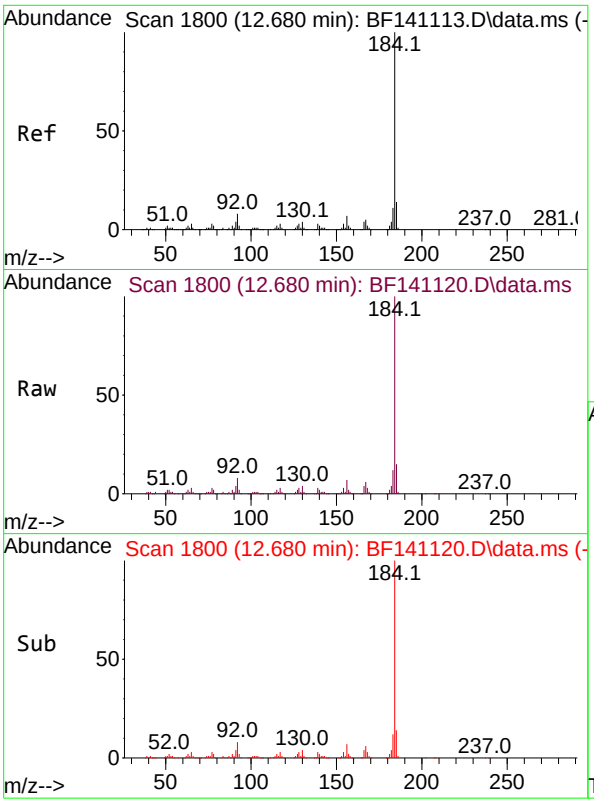




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:240 Resp: 274205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.9 | 9.1 | 13.7 |
| 236 | 25.0 | 19.8 | 29.6 |



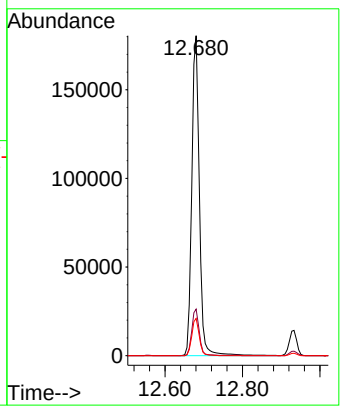


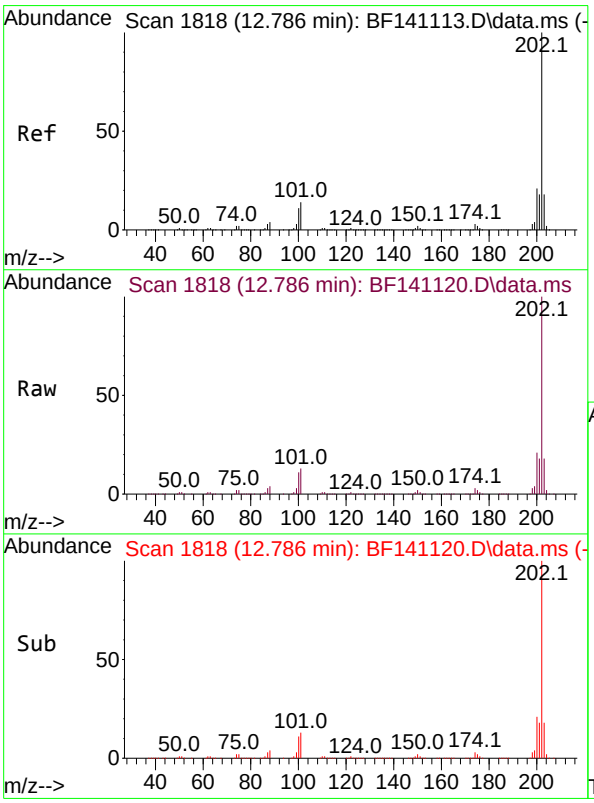

#77
Benzidine
Concen: 48.333 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:184 Resp: 245773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.6 | 11.4 | 17.0 |
| 183 | 11.6 | 9.2 | 13.8 |

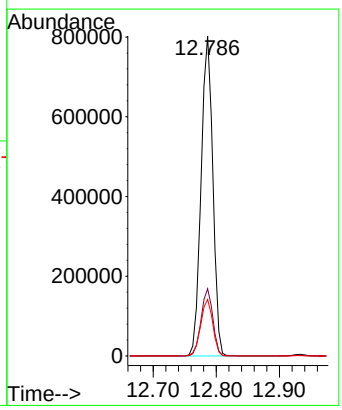


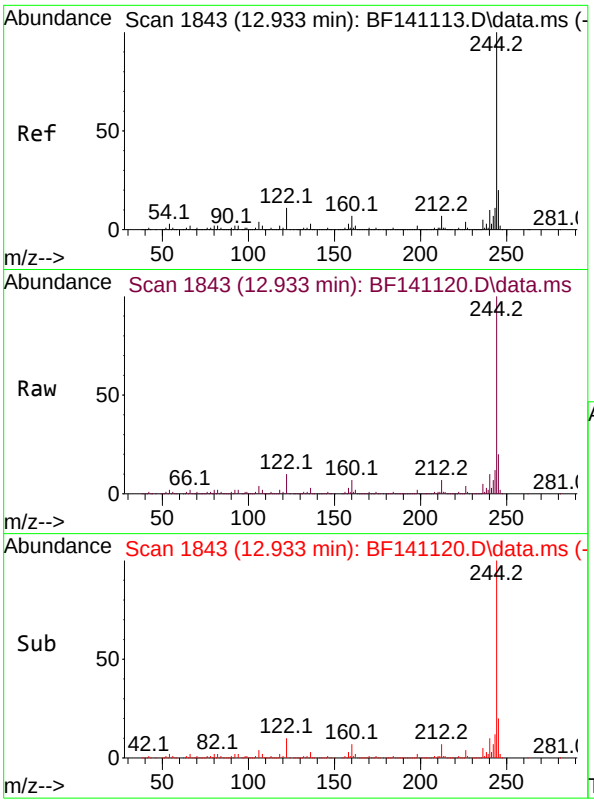




#78
Pyrene
Concen: 39.536 ng
RT: 12.786 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:202 Resp: 1035445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 16.8 | 25.2 |
| 203 | 17.7 | 14.3 | 21.5 |



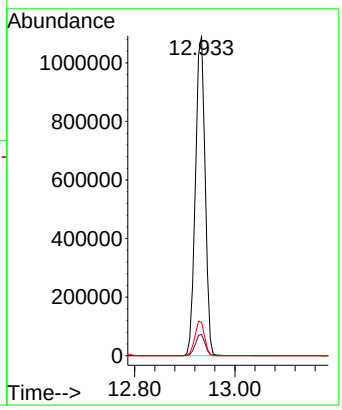


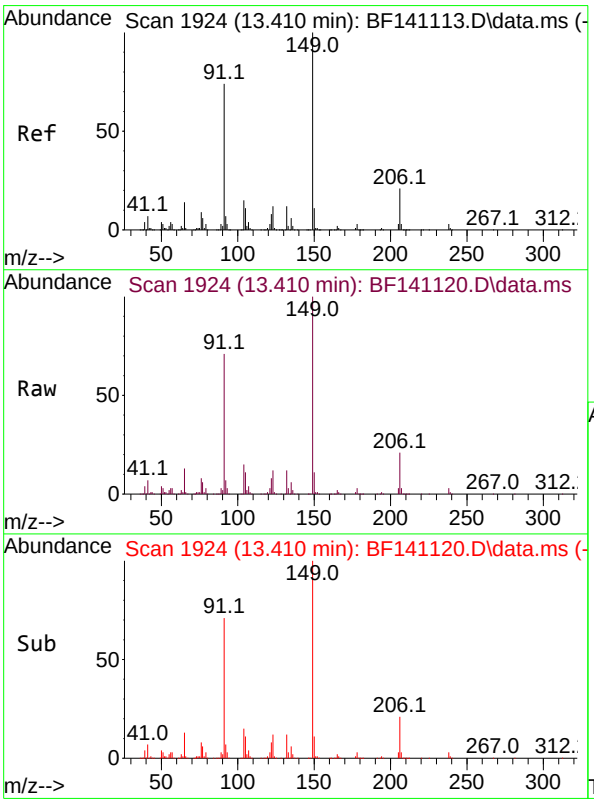

#79
Terphenyl-d14
Concen: 78.951 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:244 Resp: 1456542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.4 | 8.2 |
| 122 | 10.5 | 8.8 | 13.2 |

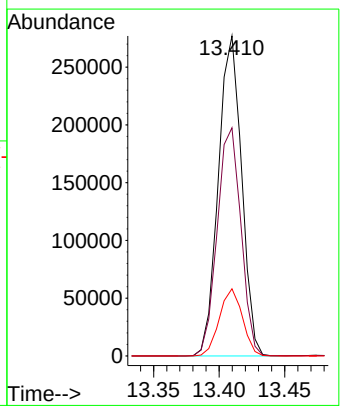


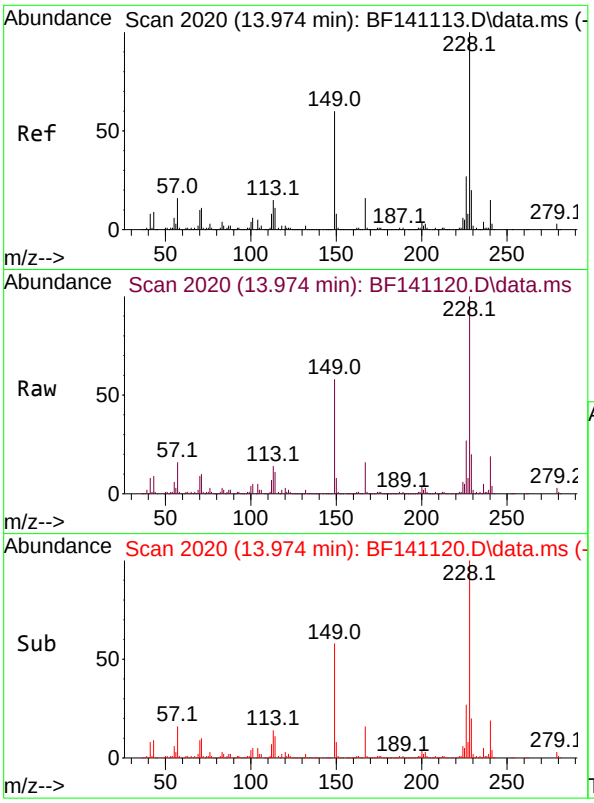




#80
Butylbenzylphthalate
Concen: 39.136 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:149 Resp: 341737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 71.3 | 59.0 | 88.6 |
| 206 | 21.0 | 16.5 | 24.7 |



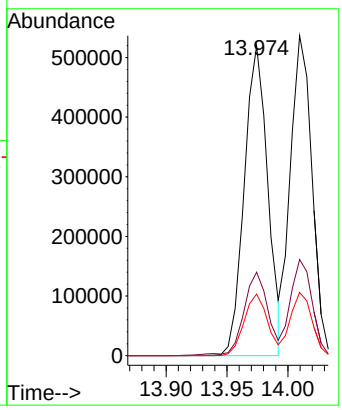


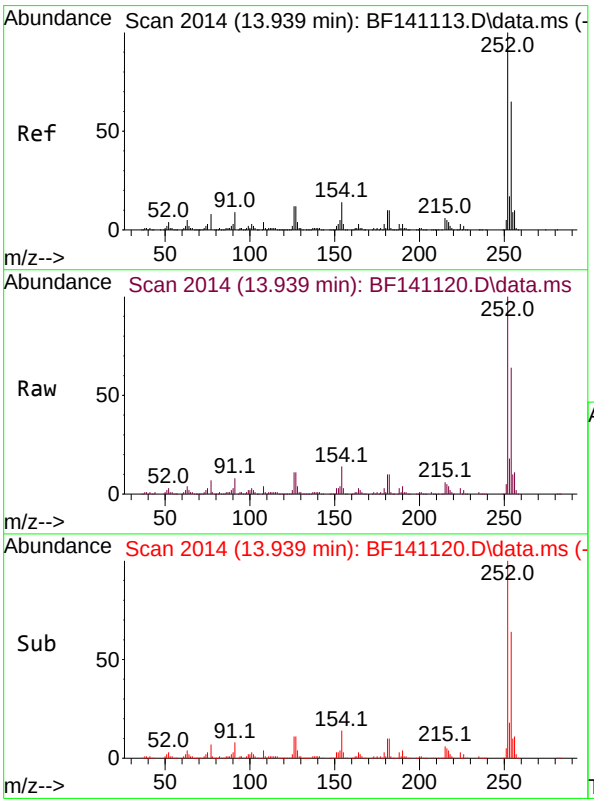

#81
Benzo(a)anthracene
Concen: 37.462 ng
RT: 13.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:228 Resp: 699094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 21.7 | 32.5 |
| 229 | 19.9 | 15.7 | 23.5 |

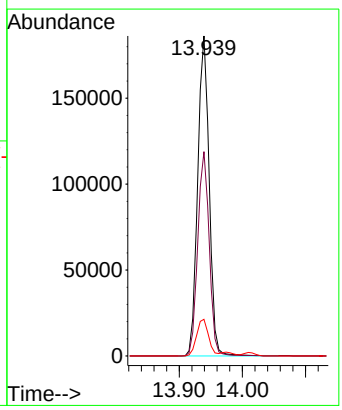


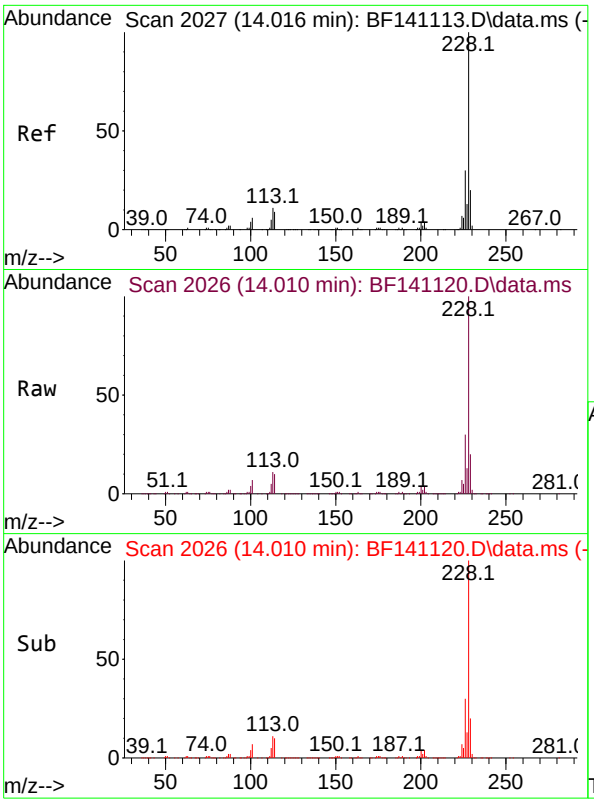




#82
3,3'-Dichlorobenzidine
Concen: 39.619 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:252 Resp: 235420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.8 | 52.0 | 78.0 |
| 126 | 11.4 | 9.4 | 14.0 |



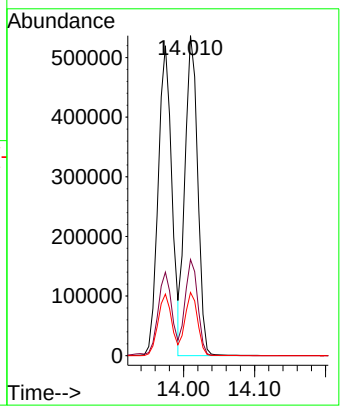


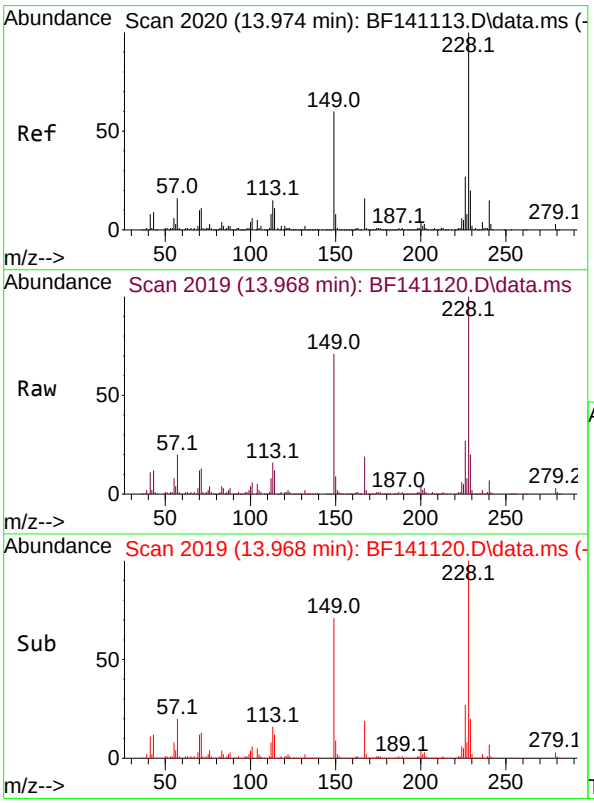

#83
Chrysene
Concen: 38.062 ng
RT: 14.010 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:228 Resp: 664611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 23.8 | 35.8 |
| 229 | 19.8 | 15.8 | 23.8 |

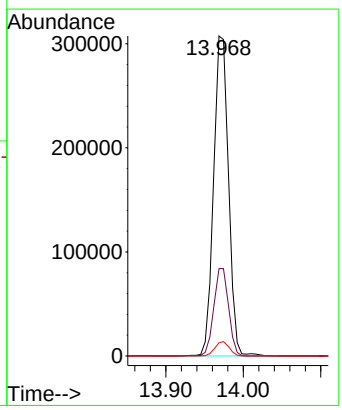


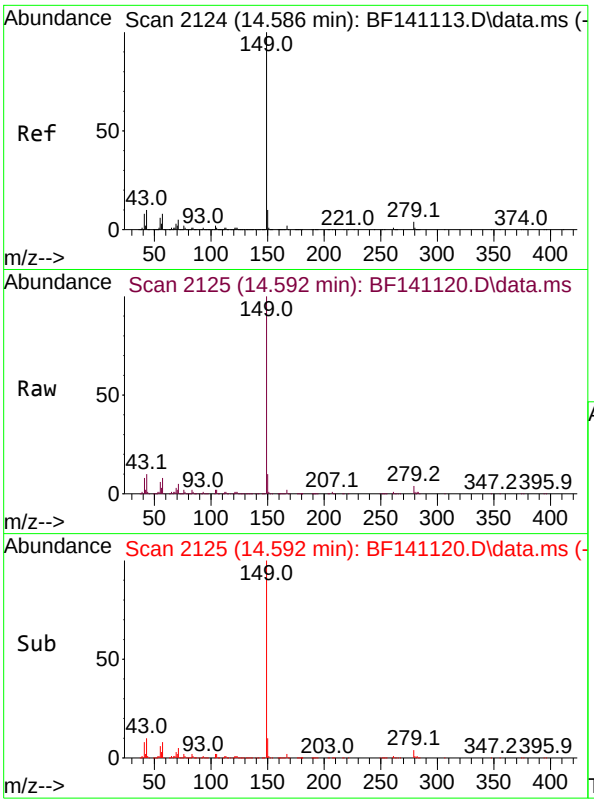




#84
Bis(2-ethylhexyl)phthalate
Concen: 39.130 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:149 Resp: 409965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.3 | 21.4 | 32.2 |
| 279 | 4.1 | 3.4 | 5.2 |



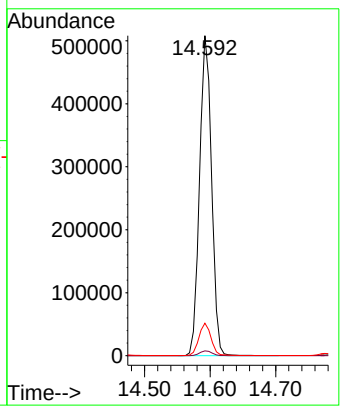


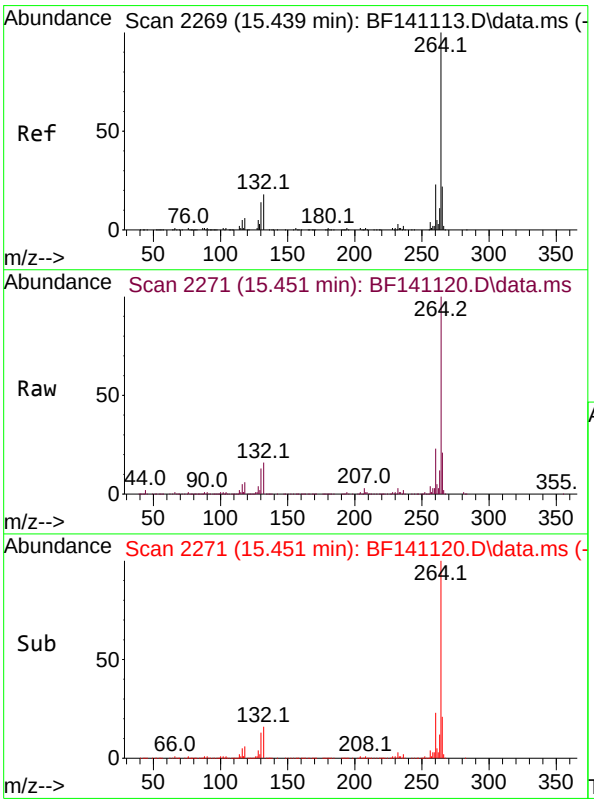

#85
Di-n-octyl phthalate
Concen: 41.072 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:149 Resp: 649810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 10.2 | 8.4 | 12.6 |

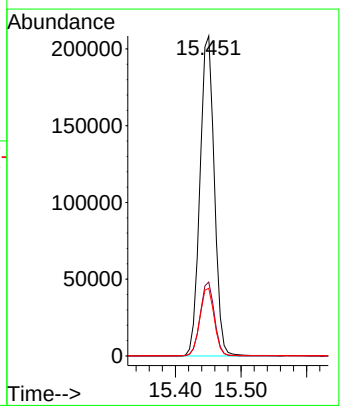


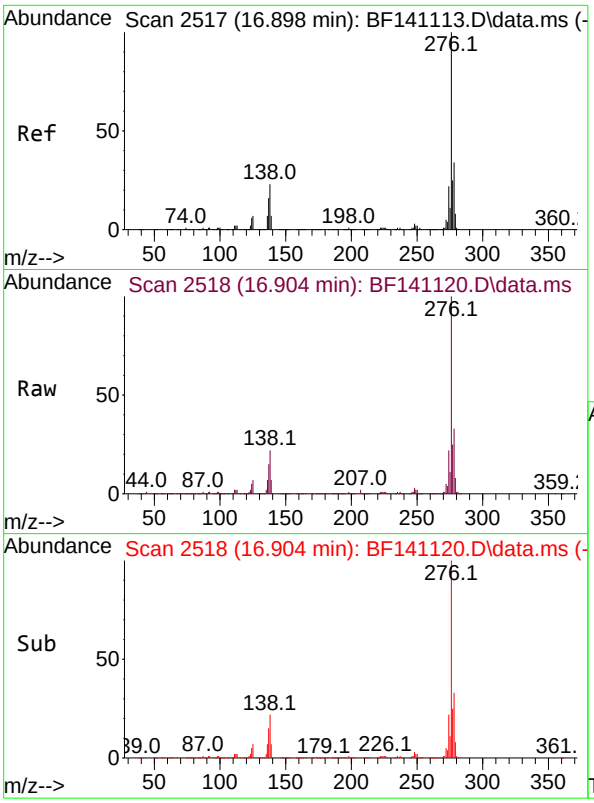




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:264 Resp: 318189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 18.6 | 28.0 |
| 265 | 21.1 | 17.4 | 26.0 |



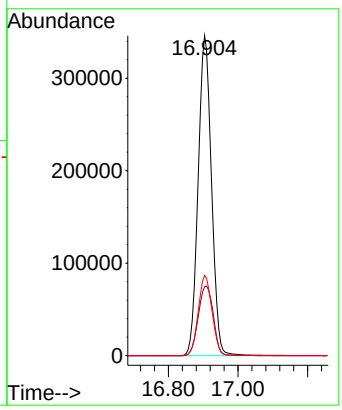


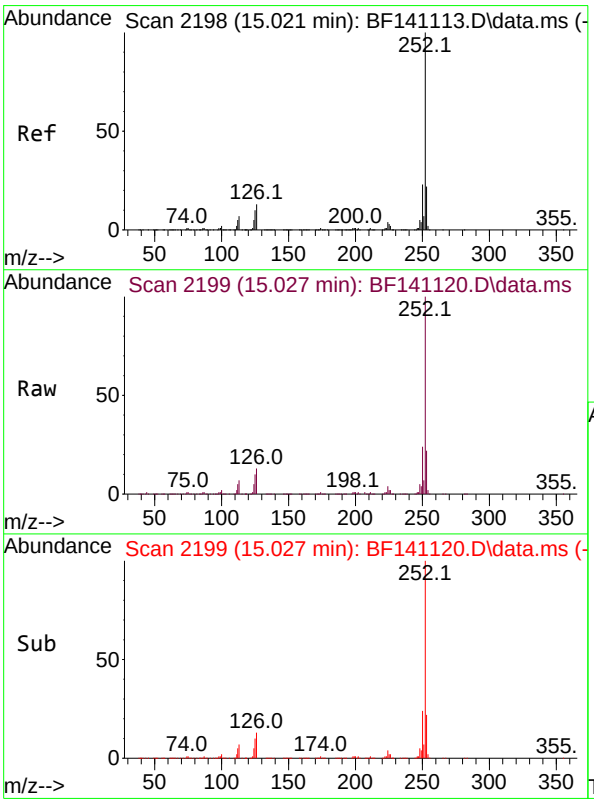

#87
Indeno(1,2,3-cd)pyrene
Concen: 39.527 ng
RT: 16.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:276 Resp: 921423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.5 | 20.7 | 31.1 |
| 277 | 26.0 | 20.6 | 30.8 |

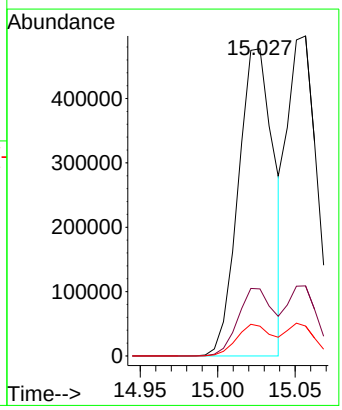


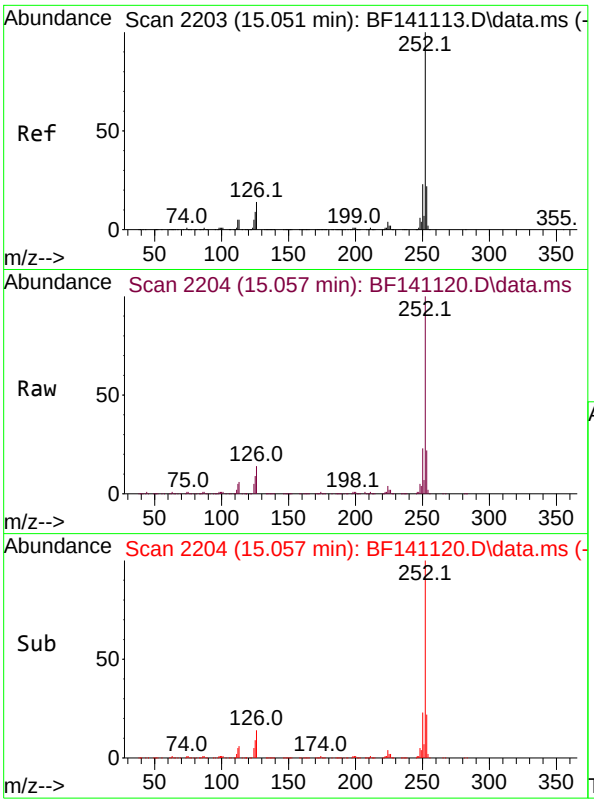




#88
Benzo(b)fluoranthene
Concen: 36.956 ng
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:252 Resp: 758252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.8 | 26.6 |
| 125 | 9.7 | 8.1 | 12.1 |



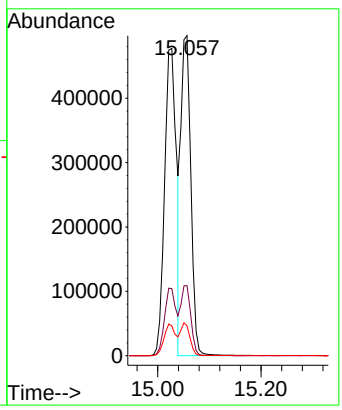


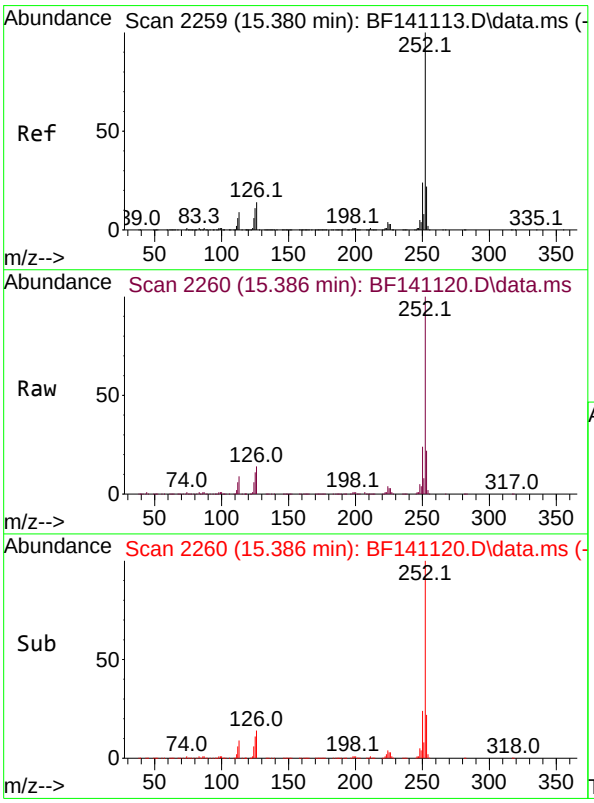

#89
Benzo(k)fluoranthene
Concen: 38.307 ng
RT: 15.057 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:252 Resp: 664225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.8 | 26.8 |
| 125 | 9.4 | 7.9 | 11.9 |

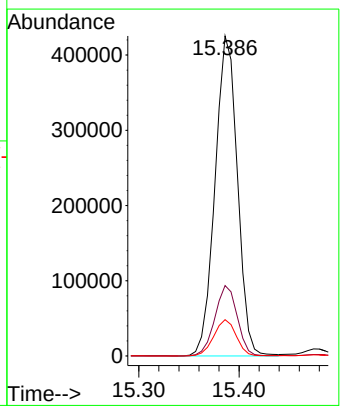


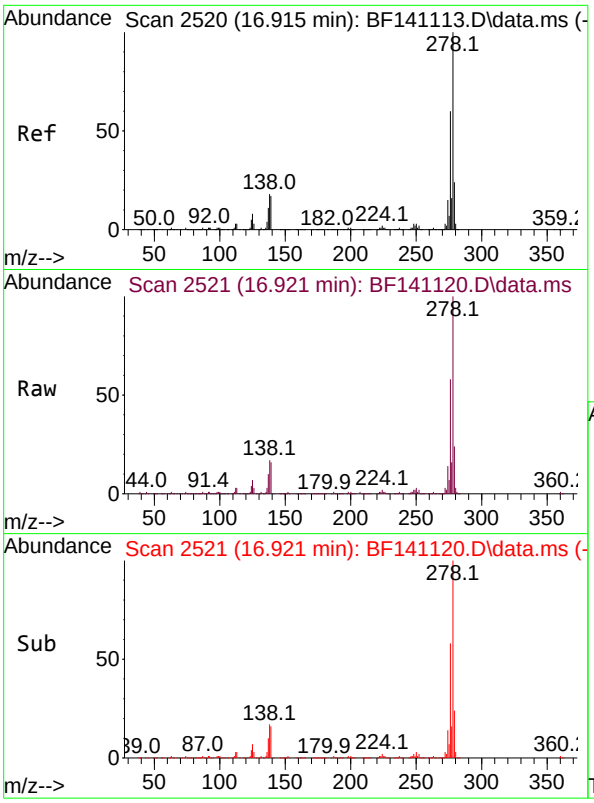




#90
Benzo(a)pyrene
Concen: 38.965 ng
RT: 15.386 min Scan# 2260
Delta R.T. 0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:252 Resp: 659605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.7 | 26.5 |
| 125 | 11.4 | 9.1 | 13.7 |



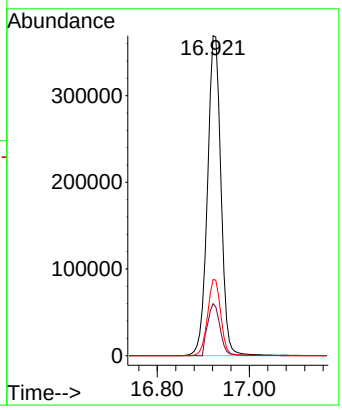


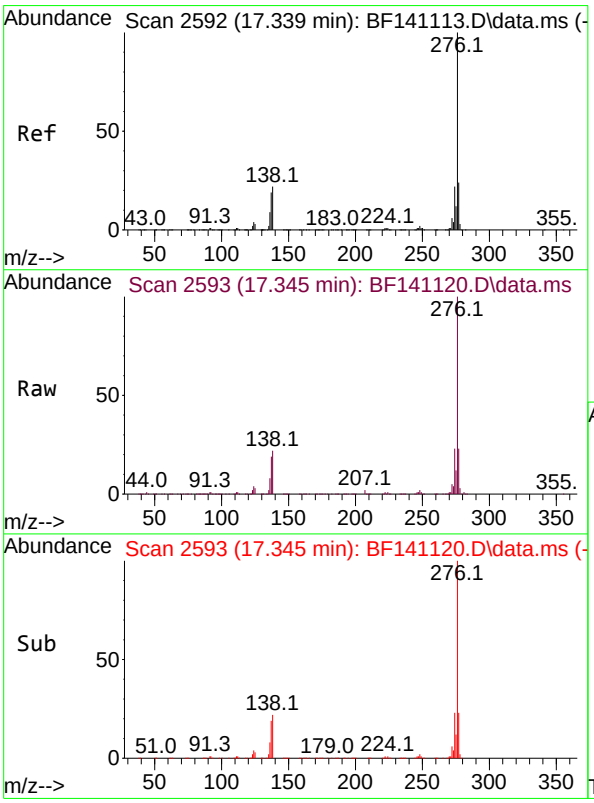

#91
Dibenzo(a,h)anthracene
Concen: 39.936 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Tgt Ion:278 Resp: 752974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.2 | 13.8 | 20.6 |
| 279 | 23.8 | 19.1 | 28.7 |

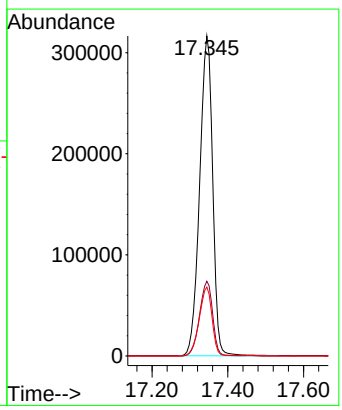



#92
Benzo(g,h,i)perylene
Concen: 38.482 ng
RT: 17.345 min Scan# 2593
Delta R.T. 0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:276 Resp: 754682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.4 | 19.0 | 28.4 |
| 138 | 21.6 | 17.4 | 26.2 |



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141120.D
Acq On : 10 Jan 2025 18:12
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Quant Time: Jan 10 22:57:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 2 | | 1,4-Dioxane | 0.577 | 0.590 | -2.3 | 93 | 0.00 |
| 3 | | Pyridine | 1.414 | 1.425 | -0.8 | 93 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.691 | 0.715 | -3.5 | 93 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.295 | 1.297 | -0.2 | 92 | 0.00 |
| 6 | | Aniline | 1.456 | 1.434 | 1.5 | 89 | 0.00 |
| 7 | S | Phenol-d6 | 1.640 | 1.595 | 2.7 | 90 | 0.00 |
| 8 | | 2-Chlorophenol | 1.389 | 1.364 | 1.8 | 90 | 0.00 |
| 9 | | Benzaldehyde | 0.966 | 0.917 | 5.1 | 96 | 0.00 |
| 10 | C | Phenol | 1.756 | 1.713 | 2.4 | 89 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.308 | 1.264 | 3.4 | 89 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.549 | 1.507 | 2.7 | 90 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.561 | 1.521 | 2.6 | 90 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.456 | 1.404 | 3.6 | 90 | 0.00 |
| 15 | | Benzyl Alcohol | 1.184 | 1.154 | 2.5 | 88 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.826 | 1.738 | 4.8 | 87 | 0.00 |
| 17 | | 2-Methylphenol | 1.121 | 1.080 | 3.7 | 88 | 0.00 |
| 18 | | Hexachloroethane | 0.565 | 0.556 | 1.6 | 90 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.966 | 0.914 | 5.4 | 89 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.415 | 1.383 | 2.3 | 89 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 22 | | Acetophenone | 0.475 | 0.460 | 3.2 | 91 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.377 | 0.367 | 2.7 | 89 | 0.00 |
| 24 | | Nitrobenzene | 0.393 | 0.385 | 2.0 | 90 | 0.00 |
| 25 | | Isophorone | 0.645 | 0.623 | 3.4 | 89 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.179 | 0.184 | -2.8 | 91 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.241 | 0.238 | 1.2 | 89 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.405 | 0.387 | 4.4 | 88 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.287 | 0.284 | 1.0 | 90 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.328 | 0.320 | 2.4 | 90 | 0.00 |
| 31 | | Naphthalene | 1.055 | 1.008 | 4.5 | 89 | 0.00 |
| 32 | | Benzoic acid | 0.231 | 0.240 | -3.9 | 89 | 0.00 |
| 33 | | 4-Chloroaniline | 0.365 | 0.349 | 4.4 | 89 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.197 | 0.194 | 1.5 | 91 | 0.00 |
| 35 | | Caprolactam | 0.094 | 0.090 | 4.3 | 88 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.313 | 0.304 | 2.9 | 89 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.672 | 0.651 | 3.1 | 90 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.662 | 0.627 | 5.3 | 88 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.574 | 0.570 | 0.7 | 89 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.188 | 0.187 | 0.5 | 81 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.228 | 0.227 | 0.4 | 90 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.387 | 0.392 | -1.3 | 89 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.409 | 0.410 | -0.2 | 88 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.310 | 1.282 | 2.1 | 91 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.553 | 1.541 | 0.8 | 89 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.210 | 1.194 | 1.3 | 89 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141120.D
Acq On : 10 Jan 2025 18:12
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Quant Time: Jan 10 22:57:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 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 | 0.359 | 0.362 | -0.8 | 89 | 0.00 |
| 49 | | Acenaphthylene | 1.728 | 1.701 | 1.6 | 89 | 0.00 |
| 50 | | Dimethylphthalate | 1.343 | 1.326 | 1.3 | 88 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.312 | 0.317 | -1.6 | 88 | 0.00 |
| 52 | C | Acenaphthene | 1.208 | 1.196 | 1.0 | 89 | 0.00 |
| 53 | | 3-Nitroaniline | 0.317 | 0.320 | -0.9 | 88 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.148 | 0.157 | -6.1 | 87 | 0.00 |
| 55 | | Dibenzofuran | 1.642 | 1.600 | 2.6 | 87 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.248 | 0.242 | 2.4 | 84 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.402 | 0.410 | -2.0 | 90 | 0.00 |
| 58 | | Fluorene | 1.276 | 1.237 | 3.1 | 89 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.340 | 0.336 | 1.2 | 88 | 0.00 |
| 60 | | Diethylphthalate | 1.311 | 1.275 | 2.7 | 88 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.622 | 0.599 | 3.7 | 87 | 0.00 |
| 62 | | 4-Nitroaniline | 0.311 | 0.305 | 1.9 | 88 | 0.00 |
| 63 | | Azobenzene | 1.293 | 1.256 | 2.9 | 87 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.116 | 0.129 | -11.2 | 88 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.645 | 0.659 | -2.2 | 89 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.230 | 0.236 | -2.6 | 89 | 0.00 |
| 68 | | Hexachlorobenzene | 0.256 | 0.261 | -2.0 | 89 | 0.00 |
| 69 | | Atrazine | 0.174 | 0.135 | 22.4 | 84 | 0.00 |
| 70 | C | Pentachlorophenol | 0.164 | 0.171 | -4.3 | 86 | 0.00 |
| 71 | | Phenanthrene | 1.074 | 1.061 | 1.2 | 87 | 0.00 |
| 72 | | Anthracene | 1.044 | 1.039 | 0.5 | 87 | 0.00 |
| 73 | | Carbazole | 0.957 | 0.927 | 3.1 | 86 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.096 | 1.084 | 1.1 | 87 | 0.00 |
| 75 | C | Fluoranthene | 1.071 | 1.003 | 6.3 | 85 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 77 | | Benzidine | 0.371 | 0.448 | -20.8 | 92 | 0.00 |
| 78 | | Pyrene | 1.910 | 1.888 | 1.2 | 85 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.346 | 1.328 | 1.3 | 87 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.637 | 0.623 | 2.2 | 85 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.361 | 1.275 | 6.3 | 86 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.433 | 0.429 | 0.9 | 86 | 0.00 |
| 83 | | Chrysene | 1.274 | 1.212 | 4.9 | 84 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.764 | 0.748 | 2.1 | 86 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.154 | 1.185 | -2.7 | 86 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 89 | 0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.465 | 1.448 | 1.2 | 88 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.290 | 1.192 | 7.6 | 89 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.090 | 1.044 | 4.2 | 89 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.064 | 1.036 | 2.6 | 89 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.185 | 1.183 | 0.2 | 88 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.233 | 1.186 | 3.8 | 84 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141120.D
Acq On : 10 Jan 2025 18:12
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Quant Time: Jan 10 22:57:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 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\BF011025\
Data File : BF141120.D
Acq On : 10 Jan 2025 18:12
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Quant Time: Jan 10 22:57:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 89 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 40.936 | -2.3 | 93 | 0.00 |
| 3 | | Pyridine | 40.000 | 40.329 | -0.8 | 93 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.363 | -3.4 | 93 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.114 | -0.1 | 92 | 0.00 |
| 6 | | Aniline | 40.000 | 39.400 | 1.5 | 89 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 77.801 | 2.7 | 90 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.284 | 1.8 | 90 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 37.987 | 5.0 | 96 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.039 | 2.4 | 89 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.657 | 3.4 | 89 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.919 | 2.7 | 90 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.965 | 2.6 | 90 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.555 | 3.6 | 90 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 38.962 | 2.6 | 88 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.086 | 4.8 | 87 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 38.531 | 3.7 | 88 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.427 | 1.4 | 90 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.834 | 5.4 | 89 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.098 | 2.3 | 89 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 88 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.700 | 3.2 | 91 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.918 | 2.6 | 89 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.180 | 2.1 | 90 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.631 | 3.4 | 89 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.163 | -2.9 | 91 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.432 | 1.4 | 89 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.235 | 4.4 | 88 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.652 | 0.9 | 90 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.055 | 2.4 | 90 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.230 | 4.4 | 89 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 41.415 | -3.5 | 89 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 38.252 | 4.4 | 89 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.380 | 1.5 | 91 | 0.00 |
| 35 | | Caprolactam | 40.000 | 38.578 | 3.6 | 88 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.752 | 3.1 | 89 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.737 | 3.2 | 90 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 37.862 | 5.3 | 88 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 87 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.725 | 0.7 | 89 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 39.744 | 0.6 | 81 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 79.554 | 0.6 | 90 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 40.474 | -1.2 | 89 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.064 | -0.2 | 88 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 78.281 | 2.1 | 91 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.682 | 0.8 | 89 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.481 | 1.3 | 89 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141120.D
Acq On : 10 Jan 2025 18:12
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Quant Time: Jan 10 22:57:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 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 | 40.330 | -0.8 | 89 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.356 | 1.6 | 89 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.515 | 1.2 | 88 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 40.554 | -1.4 | 88 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.611 | 1.0 | 89 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 40.360 | -0.9 | 88 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 42.266 | -5.7 | 87 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 38.957 | 2.6 | 87 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 38.970 | 2.6 | 84 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 40.773 | -1.9 | 90 | 0.00 |
| 58 | | Fluorene | 40.000 | 38.770 | 3.1 | 89 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.593 | 1.0 | 88 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 38.912 | 2.7 | 88 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 38.542 | 3.6 | 87 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 39.273 | 1.8 | 88 | 0.00 |
| 63 | | Azobenzene | 40.000 | 38.845 | 2.9 | 87 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 88 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 44.592 | -11.5 | 88 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.845 | -2.1 | 89 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 41.081 | -2.7 | 89 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 40.794 | -2.0 | 89 | 0.00 |
| 69 | | Atrazine | 40.000 | 31.165 | 22.1 | 84 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 41.549 | -3.9 | 86 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 39.514 | 1.2 | 87 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.789 | 0.5 | 87 | 0.00 |
| 73 | | Carbazole | 40.000 | 38.715 | 3.2 | 86 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 39.593 | 1.0 | 87 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 37.440 | 6.4 | 85 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 84 | 0.00 |
| 77 | | Benzidine | 40.000 | 48.333 | -20.8 | 92 | 0.00 |
| 78 | | Pyrene | 40.000 | 39.536 | 1.2 | 85 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 78.951 | 1.3 | 87 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 39.136 | 2.2 | 85 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 37.462 | 6.3 | 86 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 39.619 | 1.0 | 86 | 0.00 |
| 83 | | Chrysene | 40.000 | 38.062 | 4.8 | 84 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.130 | 2.2 | 86 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 41.072 | -2.7 | 86 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 89 | 0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.527 | 1.2 | 88 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 36.956 | 7.6 | 89 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 38.307 | 4.2 | 89 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 38.965 | 2.6 | 89 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 39.936 | 0.2 | 88 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 38.482 | 3.8 | 84 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141120.D
Acq On : 10 Jan 2025 18:12
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF011025

Quant Time: Jan 10 22:57:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 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: **BF141163.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: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG No.: Q1069

Instrument ID: BNA_F Calibration Date/Time: 01/15/2025 09:34

Lab File ID: BF141163.D Init. Calib. Date(s): 01/10/2025 01/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:58 17:45

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.295 | 1.263 | | -2.5 | |
| Benzaldehyde | 0.966 | 0.866 | | -10.4 | |
| Phenol-d6 | 1.640 | 1.570 | | -4.3 | |
| Phenol | 1.756 | 1.667 | | -5.1 | 20.0 |
| bis(2-Chloroethyl)ether | 1.308 | 1.229 | | -6.0 | |
| 2-Chlorophenol | 1.389 | 1.347 | | -3.0 | |
| 2-Methylphenol | 1.121 | 1.090 | | -2.8 | |
| 2,2-oxybis(1-Chloropropane) | 1.826 | 1.648 | | -9.7 | |
| Acetophenone | 0.475 | 0.457 | | -3.8 | |
| 3+4-Methylphenols | 1.415 | 1.349 | | -4.7 | |
| n-Nitroso-di-n-propylamine | 0.966 | 0.881 | 0.050 | -8.8 | |
| Nitrobenzene-d5 | 0.377 | 0.370 | | -1.9 | |
| Hexachloroethane | 0.565 | 0.551 | | -2.5 | |
| Nitrobenzene | 0.393 | 0.385 | | -2.0 | |
| Isophorone | 0.645 | 0.612 | | -5.1 | |
| 2-Nitrophenol | 0.179 | 0.184 | | 2.8 | 20.0 |
| 2,4-Dimethylphenol | 0.241 | 0.232 | | -3.7 | |
| bis(2-Chloroethoxy)methane | 0.405 | 0.380 | | -6.2 | |
| 2,4-Dichlorophenol | 0.287 | 0.284 | | -1.0 | 20.0 |
| Naphthalene | 1.055 | 1.026 | | -2.7 | |
| 4-Chloroaniline | 0.365 | 0.344 | | -5.8 | |
| Hexachlorobutadiene | 0.197 | 0.196 | | -0.5 | 20.0 |
| Caprolactam | 0.094 | 0.092 | | -2.1 | |
| 4-Chloro-3-methylphenol | 0.313 | 0.306 | | -2.2 | 20.0 |
| 2-Methylnaphthalene | 0.672 | 0.639 | | -4.9 | |
| Hexachlorocyclopentadiene | 0.188 | 0.199 | 0.050 | 5.9 | |
| 2,4,6-Trichlorophenol | 0.387 | 0.370 | | -4.4 | 20.0 |
| 2-Fluorobiphenyl | 1.310 | 1.231 | | -6.0 | |
| 2,4,5-Trichlorophenol | 0.409 | 0.404 | | -1.2 | |
| 1,1-Biphenyl | 1.553 | 1.467 | | -5.5 | |
| 2-Chloronaphthalene | 1.210 | 1.166 | | -3.6 | |
| 2-Nitroaniline | 0.359 | 0.353 | | -1.7 | |
| Dimethylphthalate | 1.343 | 1.288 | | -4.1 | |
| Acenaphthylene | 1.728 | 1.651 | | -4.5 | |
| 2,6-Dinitrotoluene | 0.312 | 0.308 | | -1.3 | |
| 3-Nitroaniline | 0.317 | 0.324 | | 2.2 | |
| Acenaphthene | 1.208 | 1.176 | | -2.6 | 20.0 |
| 2,4-Dinitrophenol | 0.148 | 0.159 | 0.050 | 7.4 | |
| 4-Nitrophenol | 0.248 | 0.265 | 0.050 | 6.9 | |

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG No.: Q1069

Instrument ID: BNA_F Calibration Date/Time: 01/15/2025 09:34

Lab File ID: BF141163.D Init. Calib. Date(s): 01/10/2025 01/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:58 17:45

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dibenzofuran | 1.642 | 1.566 | | -4.6 | |
| 2,4-Dinitrotoluene | 0.402 | 0.413 | | 2.7 | |
| Diethylphthalate | 1.311 | 1.242 | | -5.3 | |
| 4-Chlorophenyl-phenylether | 0.622 | 0.595 | | -4.3 | |
| Fluorene | 1.276 | 1.223 | | -4.2 | |
| 4-Nitroaniline | 0.311 | 0.328 | | 5.5 | |
| 4,6-Dinitro-2-methylphenol | 0.116 | 0.131 | | 12.9 | |
| n-Nitrosodiphenylamine | 0.645 | 0.629 | | -2.5 | 20.0 |
| 2,4,6-Tribromophenol | 0.228 | 0.234 | | 2.6 | |
| 4-Bromophenyl-phenylether | 0.230 | 0.229 | | -0.4 | |
| Hexachlorobenzene | 0.256 | 0.257 | | 0.4 | |
| Atrazine | 0.174 | 0.143 | | -17.8 | |
| Pentachlorophenol | 0.164 | 0.178 | | 8.5 | 20.0 |
| Phenanthrene | 1.074 | 1.070 | | -0.4 | |
| Anthracene | 1.044 | 1.044 | | 0.0 | |
| Carbazole | 0.957 | 0.989 | | 3.3 | |
| Di-n-butylphthalate | 1.096 | 1.092 | | -0.4 | |
| Fluoranthene | 1.071 | 1.131 | | 5.6 | 20.0 |
| Pyrene | 1.910 | 1.798 | | -5.9 | |
| Terphenyl-d14 | 1.346 | 1.266 | | -5.9 | |
| Butylbenzylphthalate | 0.637 | 0.622 | | -2.4 | |
| 3,3-Dichlorobenzidine | 0.433 | 0.415 | | -4.2 | |
| Benzo(a)anthracene | 1.361 | 1.300 | | -4.5 | |
| Chrysene | 1.274 | 1.151 | | -9.7 | |
| Bis(2-ethylhexyl)phthalate | 0.764 | 0.720 | | -5.8 | |
| Di-n-octyl phthalate | 1.154 | 0.997 | | -13.6 | 20.0 |
| Benzo(b)fluoranthene | 1.290 | 1.198 | | -7.1 | |
| Benzo(k)fluoranthene | 1.090 | 1.161 | | 6.5 | |
| Benzo(a)pyrene | 1.064 | 1.042 | | -2.1 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.465 | 1.419 | | -3.1 | |
| Dibenzo(a,h)anthracene | 1.185 | 1.151 | | -2.9 | |
| Benzo(g,h,i)perylene | 1.233 | 1.220 | | -1.1 | |
| 1,2,4,5-Tetrachlorobenzene | 0.574 | 0.557 | | -3.0 | |
| 1,4-Dioxane | 0.577 | 0.535 | | -7.3 | 20.0 |
| 2,3,4,6-Tetrachlorophenol | 0.340 | 0.329 | | -3.2 | |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141163.D
Acq On : 15 Jan 2025 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Jan 15 10:12:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 160442 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 621128 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.863 | 164 | 331065 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 558521 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.986 | 240 | 351337 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.445 | 264 | 315529 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.428 | 112 | 810316 | 78.021 | ng | | 0.00 |
| 7) Phenol-d6 | 6.451 | 99 | 1007659 | 76.593 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.387 | 82 | 918413 | 78.379 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.651 | 330 | 309616 | 82.077 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.181 | 172 | 1629732 | 75.172 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 1779531 | 75.282 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.534 | 88 | 171817 | 37.150 | ng | | 99 |
| 3) Pyridine | 3.275 | 79 | 424245 | 37.406 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.222 | 42 | 212776 | 38.368 | ng | | 98 |
| 6) Aniline | 6.487 | 93 | 438796 | 37.567 | ng | | 100 |
| 8) 2-Chlorophenol | 6.604 | 128 | 432221 | 38.789 | ng | | 100 |
| 9) Benzaldehyde | 6.369 | 77 | 277799 | 35.852 | ng | | 99 |
| 10) Phenol | 6.463 | 94 | 534771 | 37.973 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.557 | 93 | 394506 | 37.589 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.763 | 146 | 480227 | 38.642 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.840 | 146 | 486765 | 38.868 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 6.992 | 146 | 453891 | 38.854 | ng | | 98 |
| 15) Benzyl Alcohol | 6.963 | 79 | 372166 | 39.172 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098 | 45 | 528852 | 36.110 | ng | | 99 |
| 17) 2-Methylphenol | 7.069 | 107 | 349821 | 38.886 | ng | | 99 |
| 18) Hexachloroethane | 7.334 | 117 | 176779 | 39.034 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.239 | 70 | 282738 | 36.484 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.228 | 107 | 432882 | 38.141 | ng | # | 82 |
| 22) Acetophenone | 7.234 | 105 | 567117 | 38.408 | ng | | 99 |
| 24) Nitrobenzene | 7.404 | 77 | 478369 | 39.172 | ng | | 100 |
| 25) Isophorone | 7.645 | 82 | 759767 | 37.942 | ng | | 98 |
| 26) 2-Nitrophenol | 7.722 | 139 | 229180 | 41.256 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.757 | 122 | 287904 | 38.423 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.857 | 93 | 471751 | 37.538 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.957 | 162 | 352601 | 39.621 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 394012 | 38.734 | ng | | 100 |
| 31) Naphthalene | 8.128 | 128 | 1274026 | 38.895 | ng | | 100 |
| 32) Benzoic acid | 7.869 | 122 | 299882 | 41.720 | ng | | 99 |
| 33) 4-Chloroaniline | 8.175 | 127 | 427596 | 37.746 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 242906 | 39.630 | ng | | 99 |
| 35) Caprolactam | 8.545 | 113 | 114237 | 39.209 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.651 | 107 | 380538 | 39.099 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 794058 | 38.042 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 781694 | 38.000 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.981 | 216 | 368859 | 38.818 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 131781 | 42.390 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 245166 | 38.255 | ng | | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141163.D
Acq On : 15 Jan 2025 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Jan 15 10:12:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

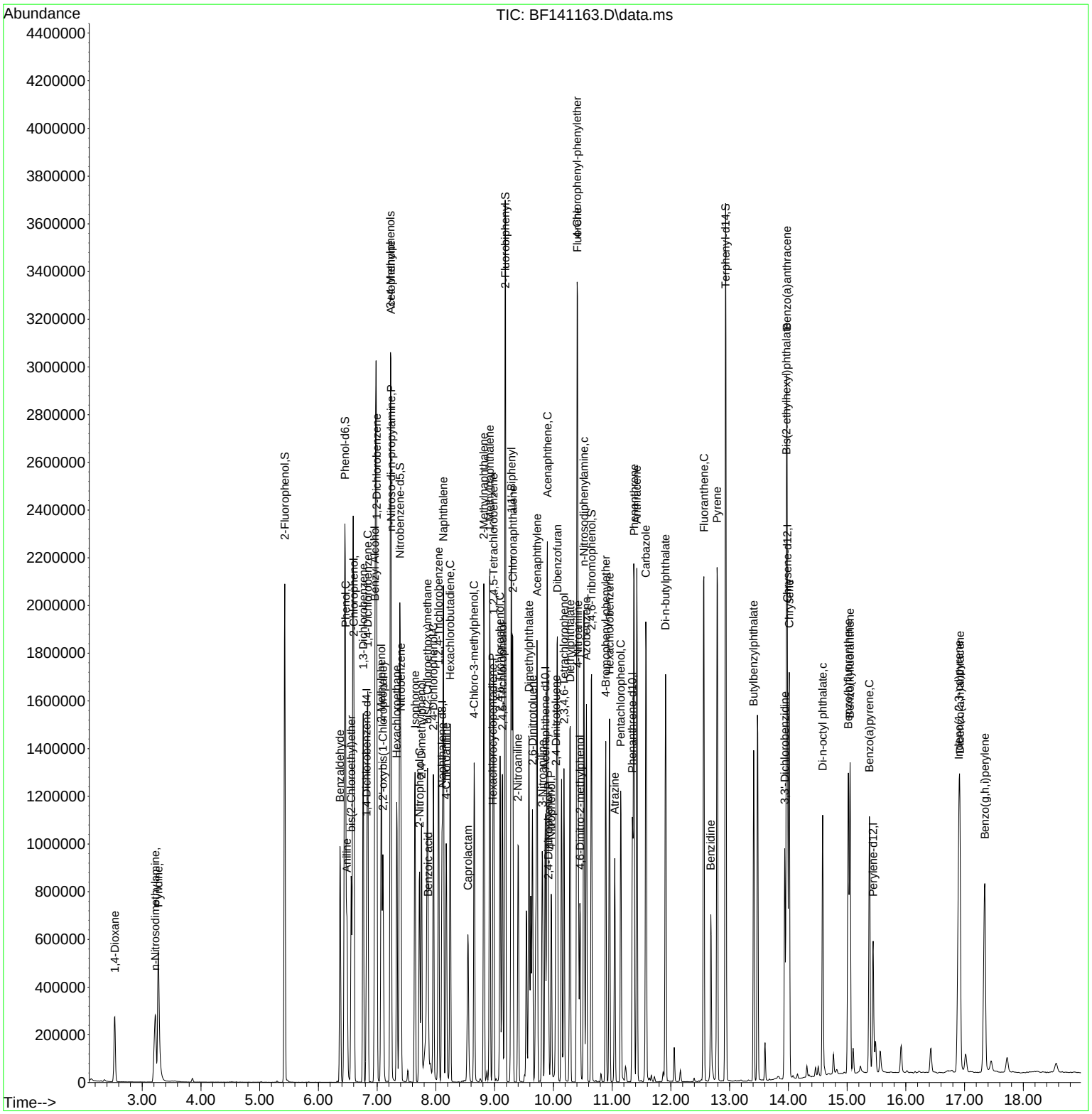
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.133 | 196 | 267319 | 39.496 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.286 | 154 | 971600 | 37.790 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.310 | 162 | 771915 | 38.547 | ng | | 99 |
| 48) 2-Nitroaniline | 9.398 | 65 | 233780 | 39.382 | ng | | 99 |
| 49) Acenaphthylene | 9.722 | 152 | 1092932 | 38.201 | ng | | 100 |
| 50) Dimethylphthalate | 9.586 | 163 | 852618 | 38.362 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.645 | 165 | 203629 | 39.398 | ng | | 96 |
| 52) Acenaphthene | 9.898 | 154 | 778826 | 38.964 | ng | | 100 |
| 53) 3-Nitroaniline | 9.810 | 138 | 214285 | 40.799 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 9.916 | 184 | 105192 | 42.819 | ng | # | 85 |
| 55) Dibenzofuran | 10.069 | 168 | 1036793 | 38.134 | ng | | 99 |
| 56) 4-Nitrophenol | 9.963 | 139 | 175787 | 42.735 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 10.045 | 165 | 273216 | 41.019 | ng | | 100 |
| 58) Fluorene | 10.410 | 166 | 809960 | 38.346 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.180 | 232 | 217581 | 38.675 | ng | | 98 |
| 60) Diethylphthalate | 10.286 | 149 | 822297 | 37.898 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204 | 393728 | 38.245 | ng | | 98 |
| 62) 4-Nitroaniline | 10.422 | 138 | 217208 | 42.253 | ng | | 96 |
| 63) Azobenzene | 10.563 | 77 | 807640 | 37.723 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198 | 146406 | 45.236 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 10.522 | 169 | 702142 | 38.976 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 256105 | 39.828 | ng | | 99 |
| 68) Hexachlorobenzene | 10.957 | 284 | 287273 | 40.133 | ng | | 100 |
| 69) Atrazine | 11.045 | 200 | 159318 | 32.845 | ng | | 100 |
| 70) Pentachlorophenol | 11.145 | 266 | 198816 | 43.371 | ng | | 100 |
| 71) Phenanthrene | 11.375 | 178 | 1194761 | 39.845 | ng | | 99 |
| 72) Anthracene | 11.422 | 178 | 1166005 | 39.992 | ng | | 100 |
| 73) Carbazole | 11.575 | 167 | 1104486 | 41.314 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 1219294 | 39.853 | ng | | 100 |
| 75) Fluoranthene | 12.563 | 202 | 1263024 | 42.210 | ng | | 98 |
| 77) Benzidine | 12.680 | 184 | 386875 | 59.379 | ng | | 99 |
| 78) Pyrene | 12.786 | 202 | 1263722 | 37.659 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 437365 | 39.092 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.974 | 228 | 913143 | 38.190 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.939 | 252 | 291638 | 38.305 | ng | | 99 |
| 83) Chrysene | 14.016 | 228 | 808989 | 36.159 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149 | 506229 | 37.710 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.586 | 149 | 700620 | 34.562 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.904 | 276 | 895194 | 38.725 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.021 | 252 | 755846 | 37.149 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.051 | 252 | 732801 | 42.618 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.380 | 252 | 657568 | 39.172 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 16.921 | 278 | 726146 | 38.838 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.345 | 276 | 769728 | 39.580 | ng | | 98 |

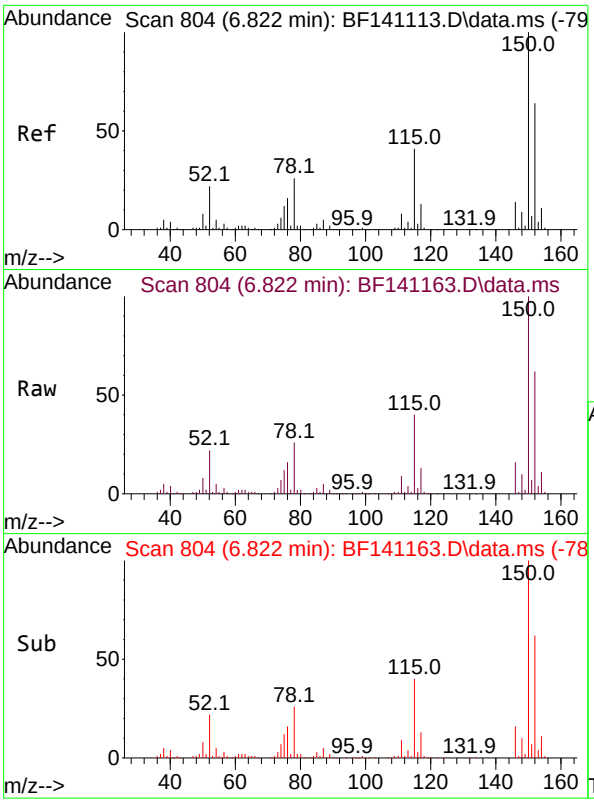
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141163.D
Acq On : 15 Jan 2025 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Jan 15 10:12:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



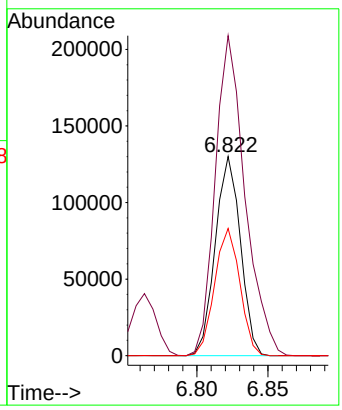


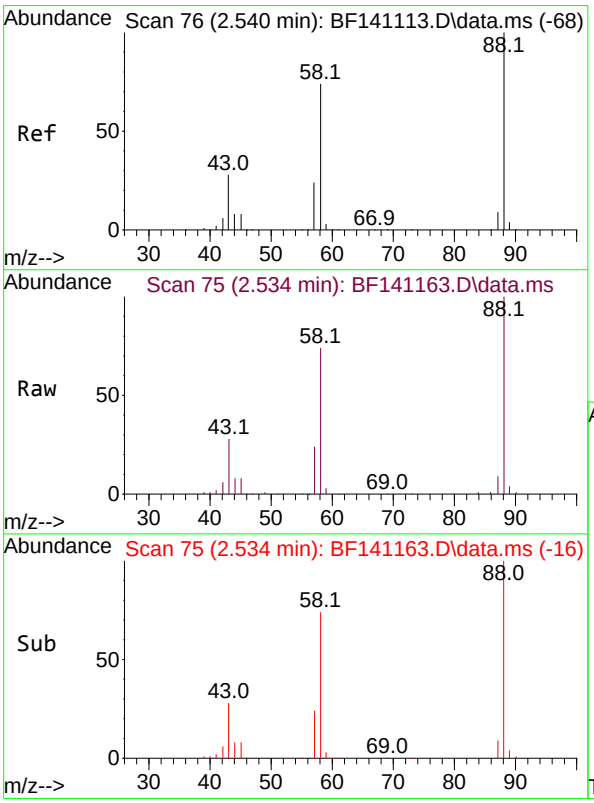

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 160442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.6 | 125.8 | 188.8 |
| 115 | 63.8 | 51.4 | 77.2 |

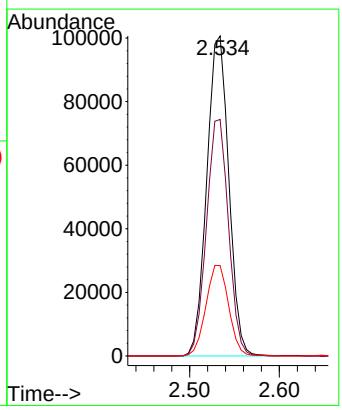


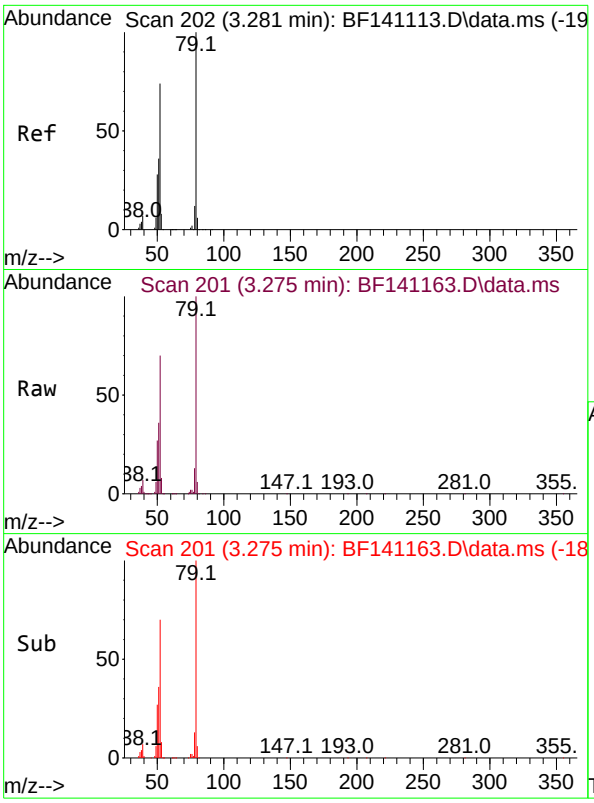




#2
1,4-Dioxane
Concen: 37.150 ng
RT: 2.534 min Scan# 75
Delta R.T. -0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion: 88 Resp: 171817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 73.8 | 60.1 | 90.1 |
| 43 | 29.3 | 23.1 | 34.7 |



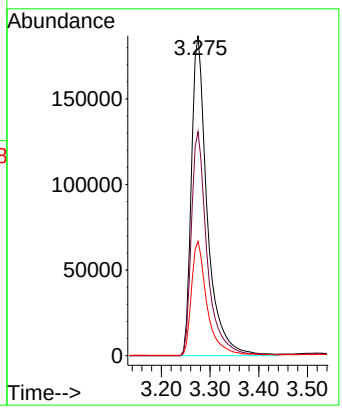


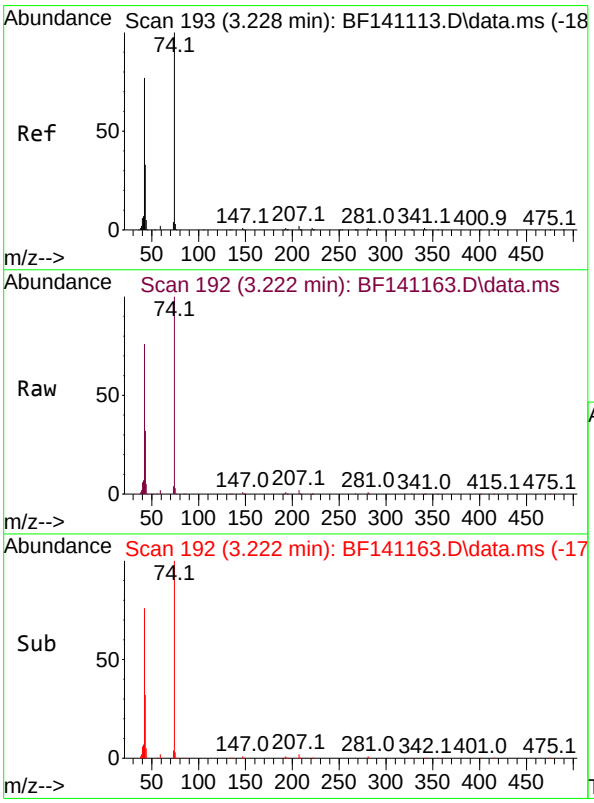

#3
Pyridine
Concen: 37.406 ng
RT: 3.275 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 424245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 70.0 | 58.9 | 88.3 |
| 51 | 35.7 | 29.1 | 43.7 |

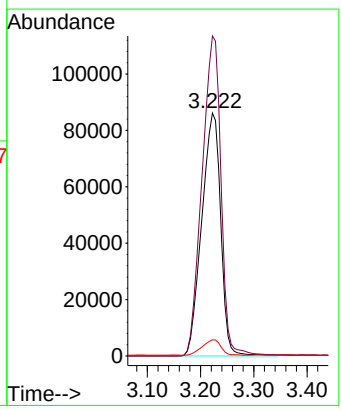


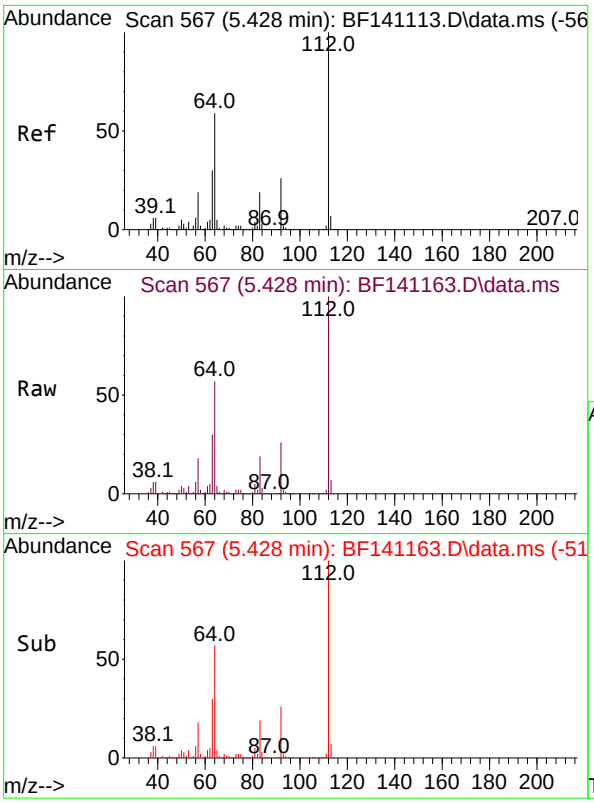




#4
n-Nitrosodimethylamine
Concen: 38.368 ng
RT: 3.222 min Scan# 192
Delta R.T. -0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion: 42 Resp: 212776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 131.7 | 103.8 | 155.6 |
| 44 | 6.6 | 5.3 | 7.9 |



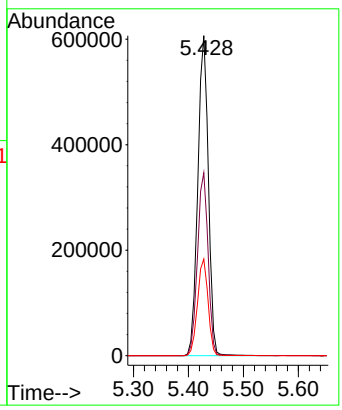


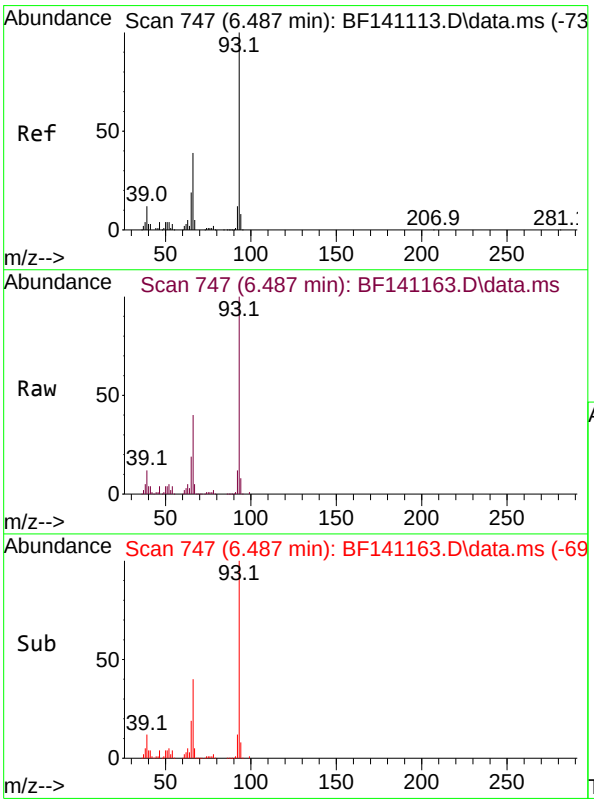

#5
2-Fluorophenol
Concen: 78.021 ng
RT: 5.428 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:112 Resp: 810316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.2 | 47.3 | 70.9 |
| 63 | 30.2 | 24.2 | 36.2 |

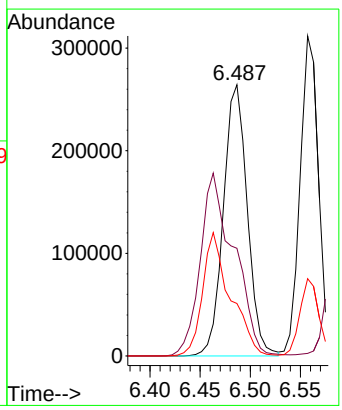


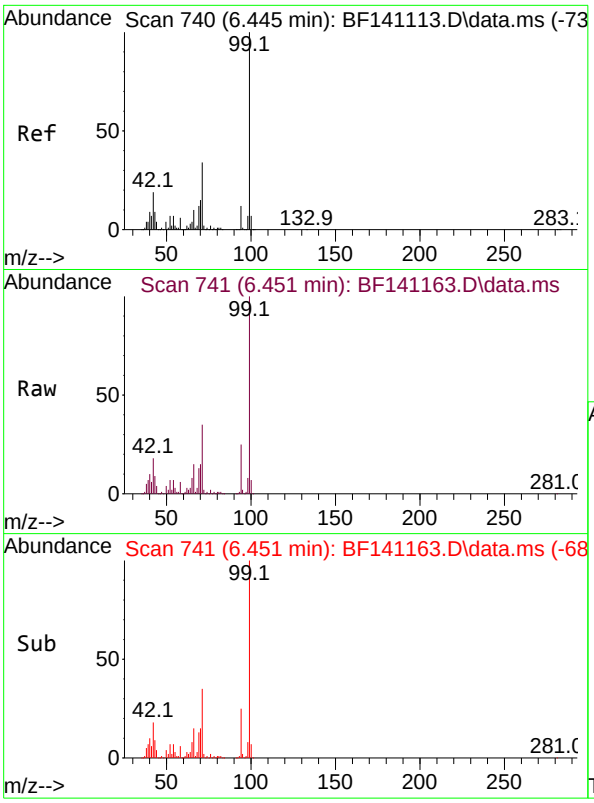




#6
Aniline
Concen: 37.567 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion: 93 Resp: 438796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.7 | 31.5 | 47.3 |
| 65 | 19.3 | 15.3 | 22.9 |



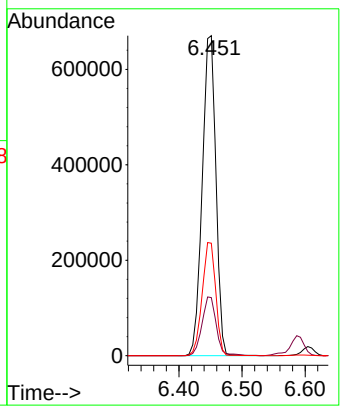


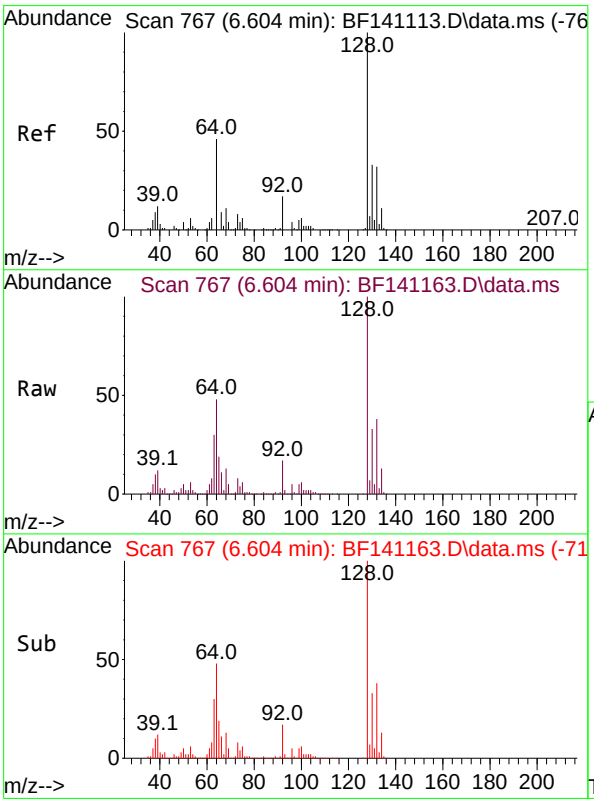

#7
Phenol-d6
Concen: 76.593 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 99 Resp: 1007659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.1 | 15.0 | 22.4 |
| 71 | 35.1 | 27.6 | 41.4 |

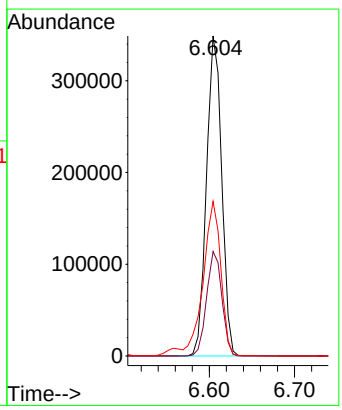


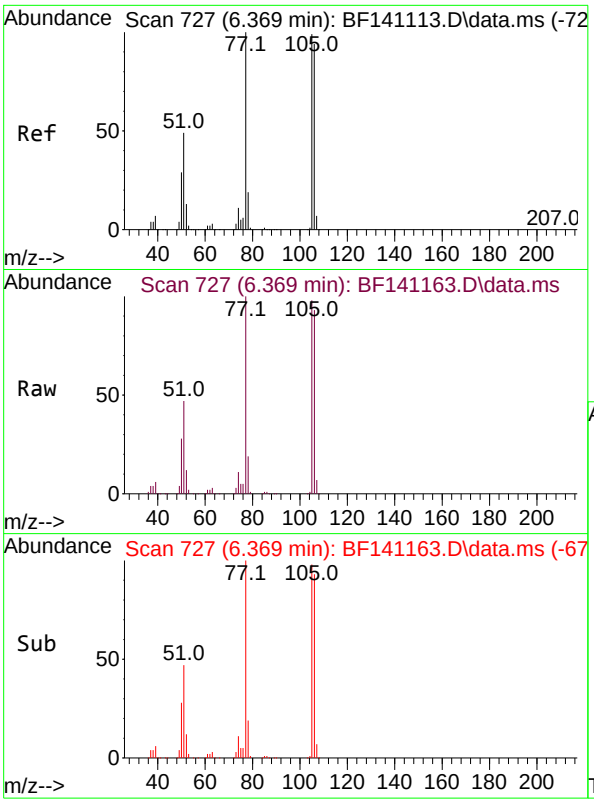




#8
2-Chlorophenol
Concen: 38.789 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:128 Resp: 432221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.7 | 12.5 | 52.5 |
| 64 | 48.3 | 28.3 | 68.3 |



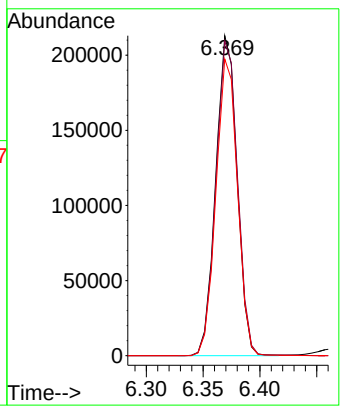


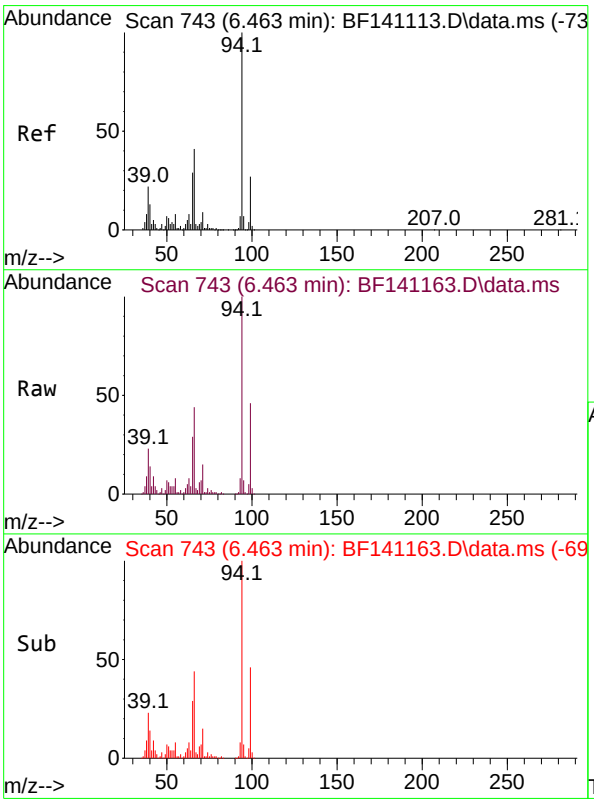

#9
Benzaldehyde
Concen: 35.852 ng
RT: 6.369 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 277799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 98.3 | 78.9 | 118.9 |
| 106 | 92.7 | 73.6 | 113.6 |

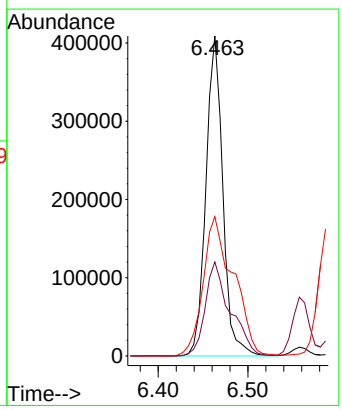


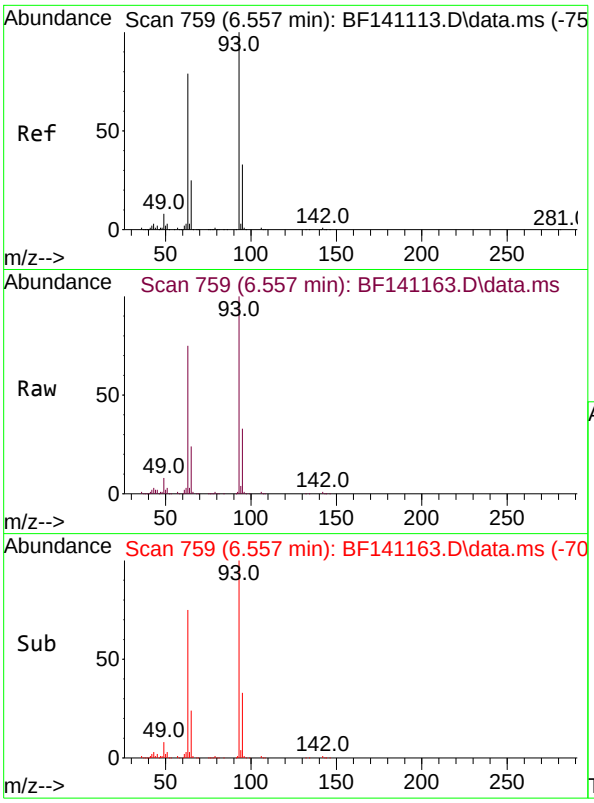




#10
Phenol
Concen: 37.973 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion: 94 Resp: 534771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.4 | 8.9 | 48.9 |
| 66 | 43.6 | 21.2 | 61.2 |



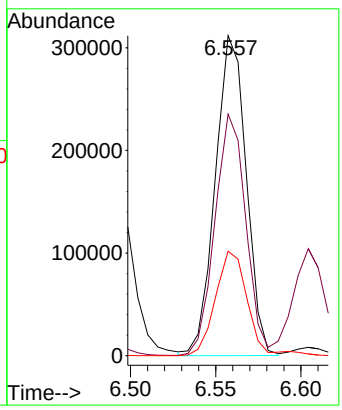


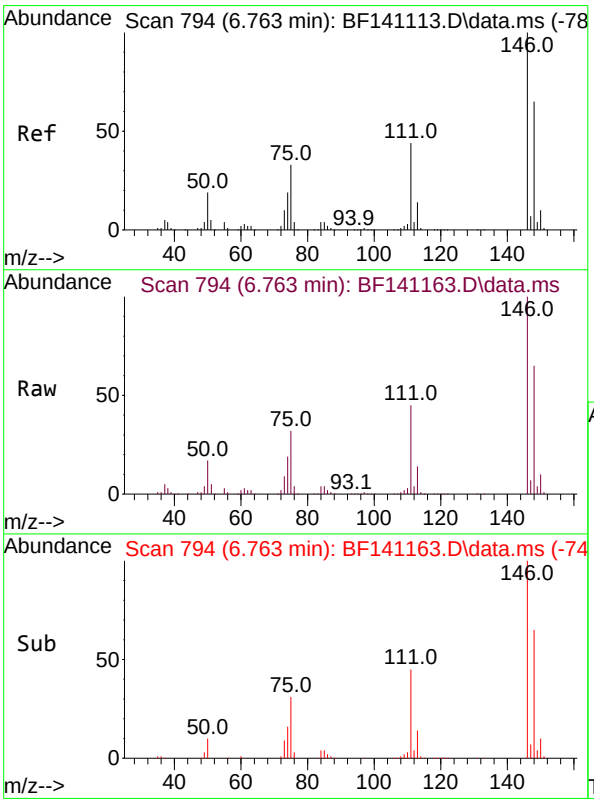

#11
bis(2-Chloroethyl)ether
Concen: 37.589 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 93 Resp: 394506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 75.5 | 58.0 | 98.0 |
| 95 | 32.6 | 12.5 | 52.5 |

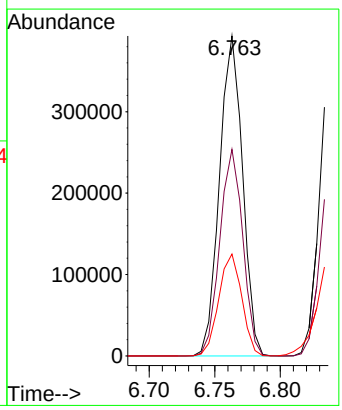


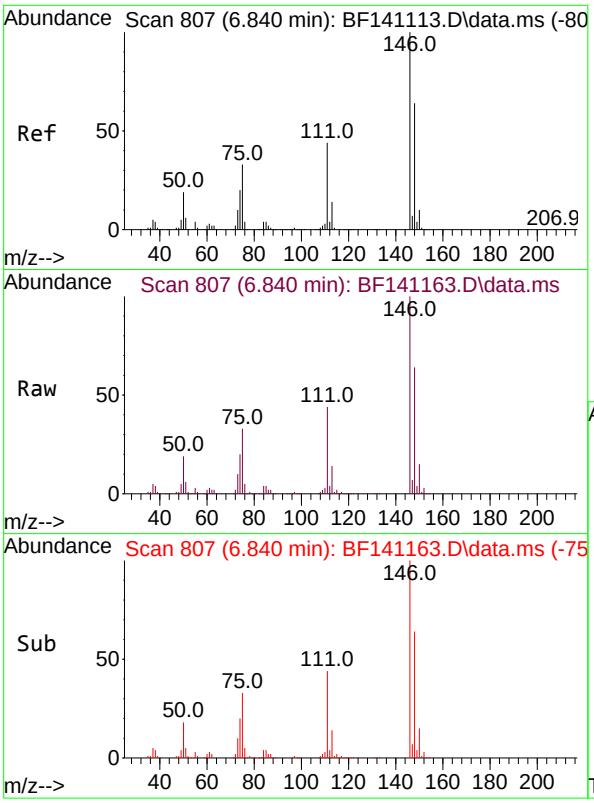




#12
1,3-Dichlorobenzene
Concen: 38.642 ng
RT: 6.763 min Scan# 794
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:146 Resp: 480227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.6 | 77.4 |
| 75 | 31.9 | 26.2 | 39.2 |



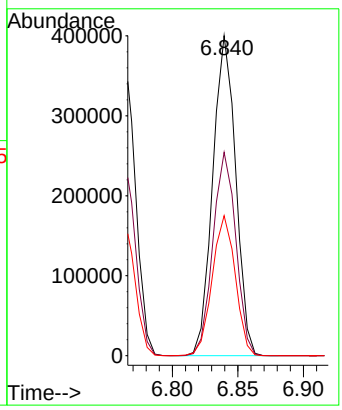


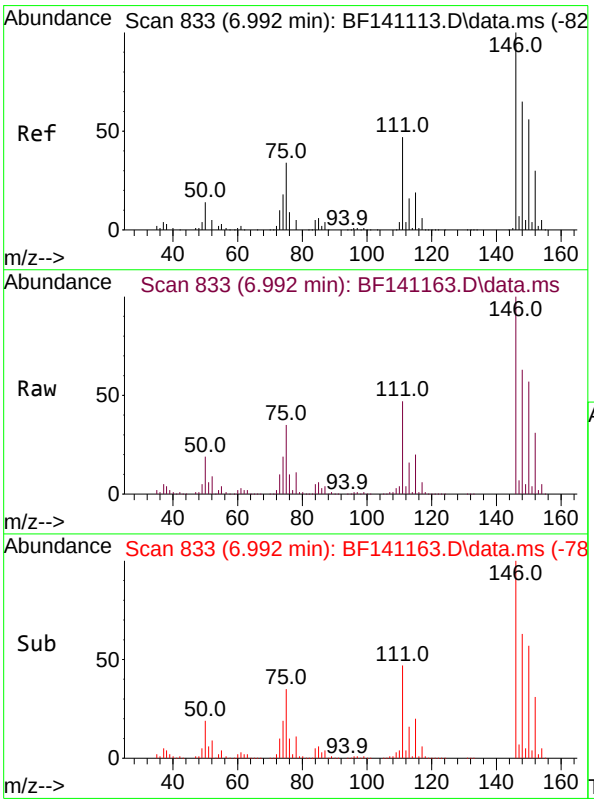

#13
1,4-Dichlorobenzene
Concen: 38.868 ng
RT: 6.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:146 Resp: 486765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 51.0 | 76.6 |
| 111 | 43.8 | 34.9 | 52.3 |

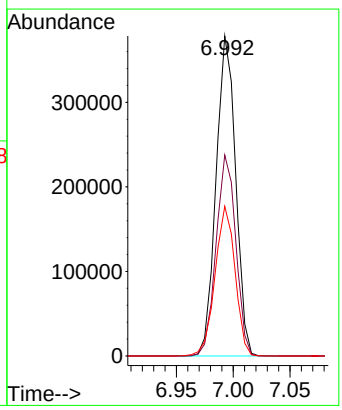


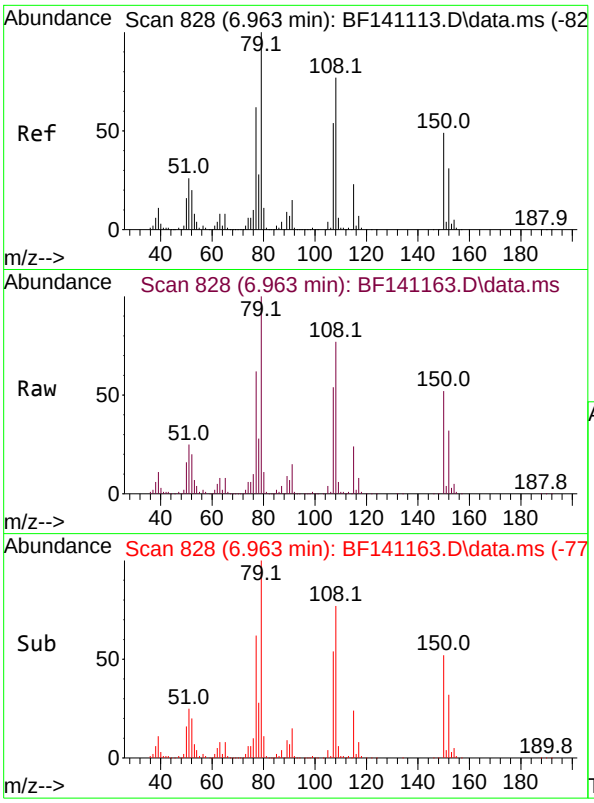




#14
1,2-Dichlorobenzene
Concen: 38.854 ng
RT: 6.992 min Scan# 833
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:146 Resp: 453891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.8 | 52.2 | 78.4 |
| 111 | 46.7 | 37.5 | 56.3 |



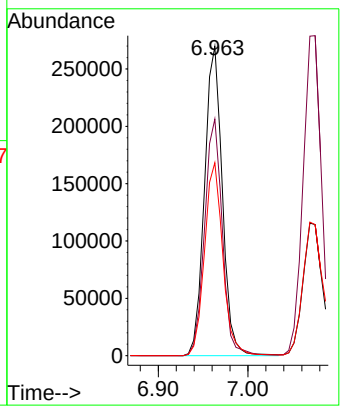


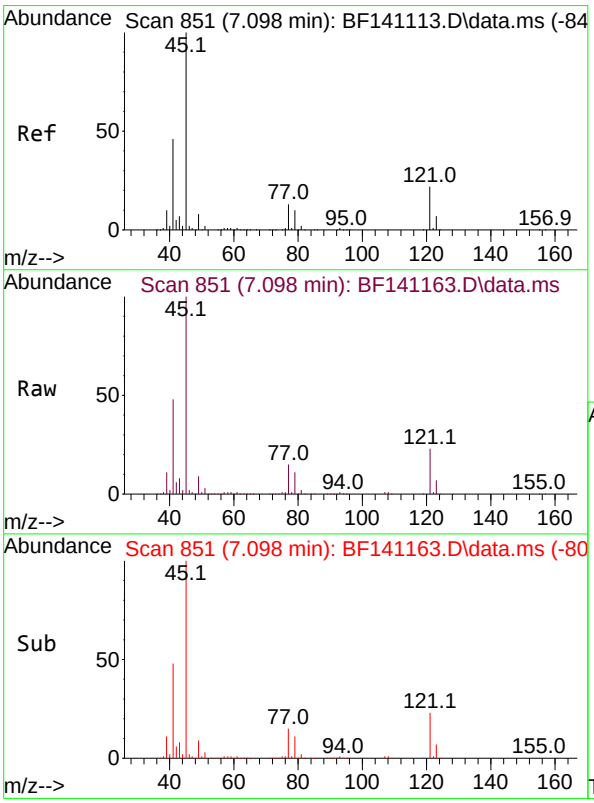

#15
Benzyl Alcohol
Concen: 39.172 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 372166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.5 | 61.4 | 92.0 |
| 77 | 62.4 | 49.8 | 74.6 |

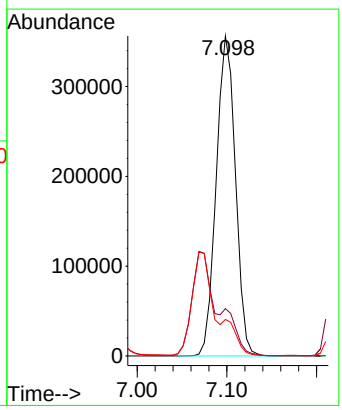


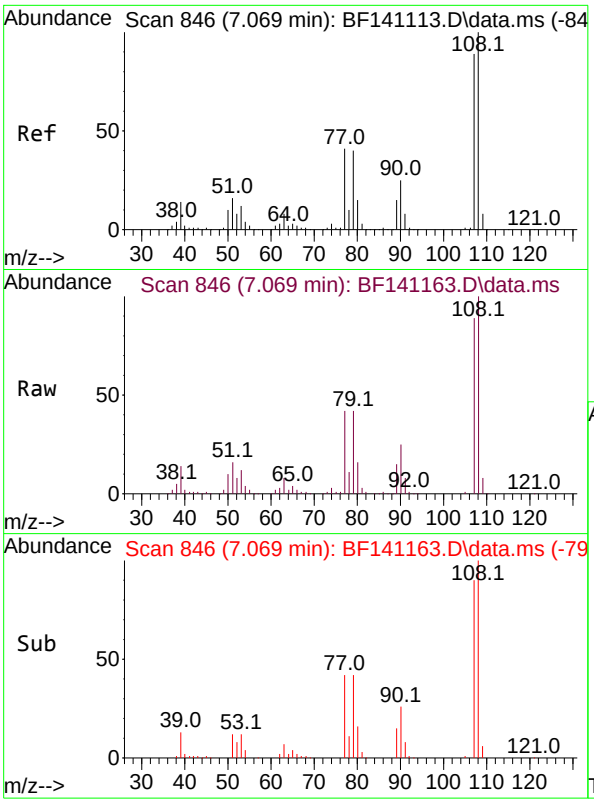




#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.110 ng
RT: 7.098 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion: 45 Resp: 528852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.8 | 0.0 | 34.1 |
| 79 | 11.4 | 0.0 | 31.0 |



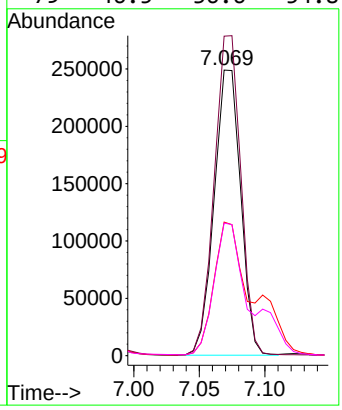


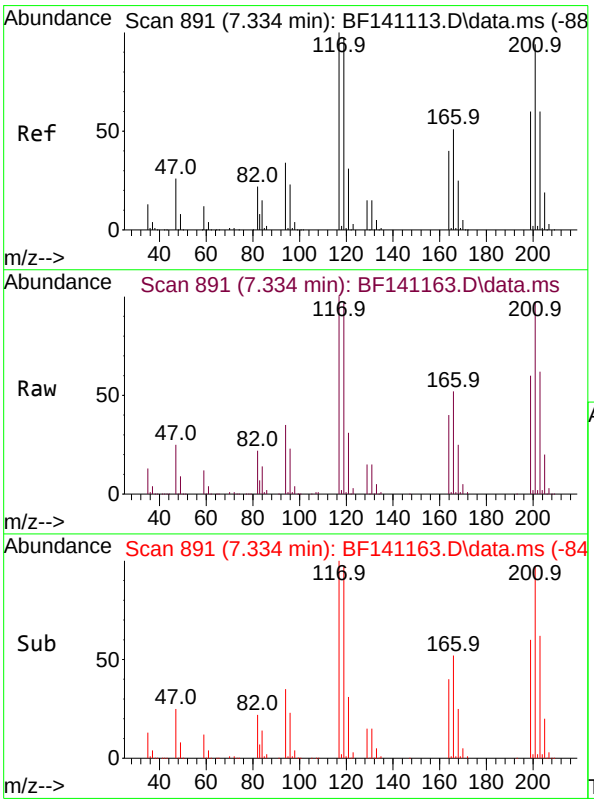

#17
2-Methylphenol
Concen: 38.886 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:107 Resp: 349821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.8 | 90.1 | 135.1 |
| 77 | 46.8 | 36.6 | 55.0 |
| 79 | 46.5 | 36.6 | 54.8 |

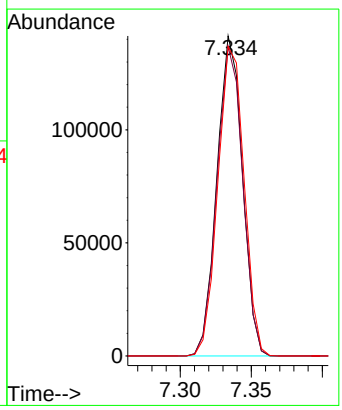


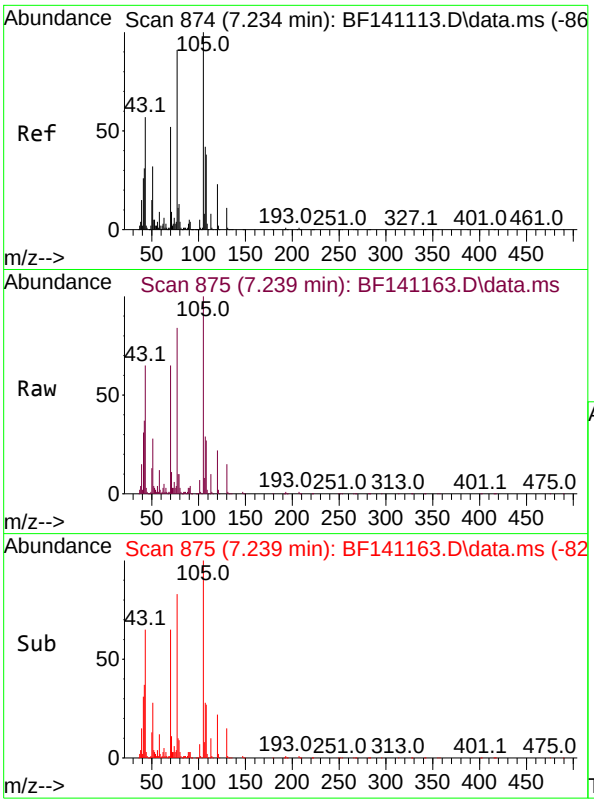




#18
Hexachloroethane
Concen: 39.034 ng
RT: 7.334 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:117 Resp: 176779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.7 | 77.6 | 116.4 |
| 201 | 96.7 | 75.1 | 112.7 |



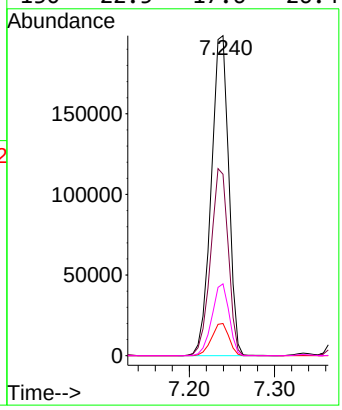


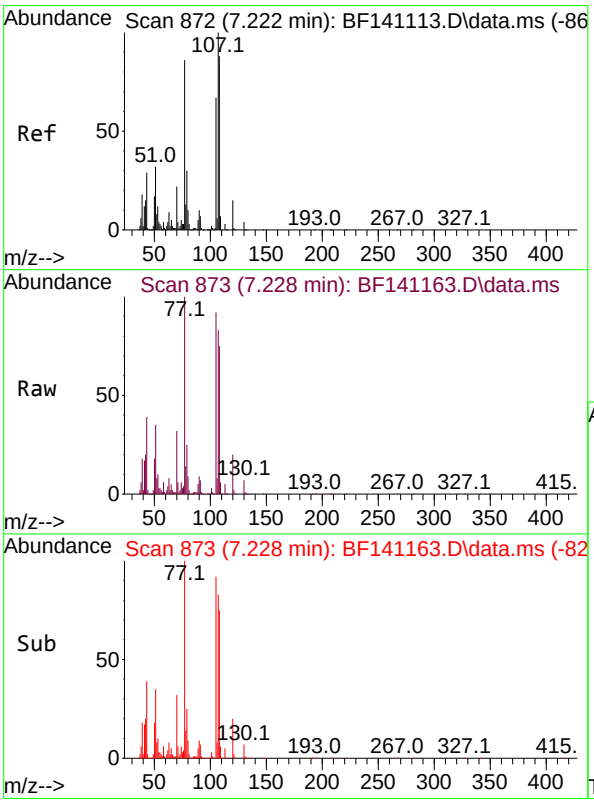

#19
n-Nitroso-di-n-propylamine
Concen: 36.484 ng
RT: 7.239 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 70 Resp: 282738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 56.7 | 47.8 | 71.6 |
| 101 | 10.0 | 7.9 | 11.9 |
| 130 | 22.5 | 17.6 | 26.4 |

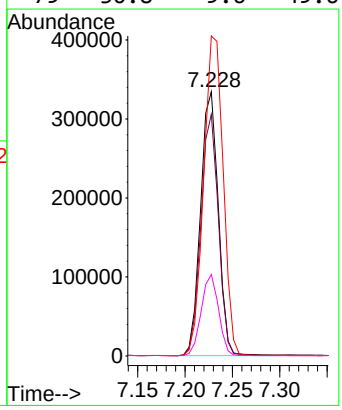


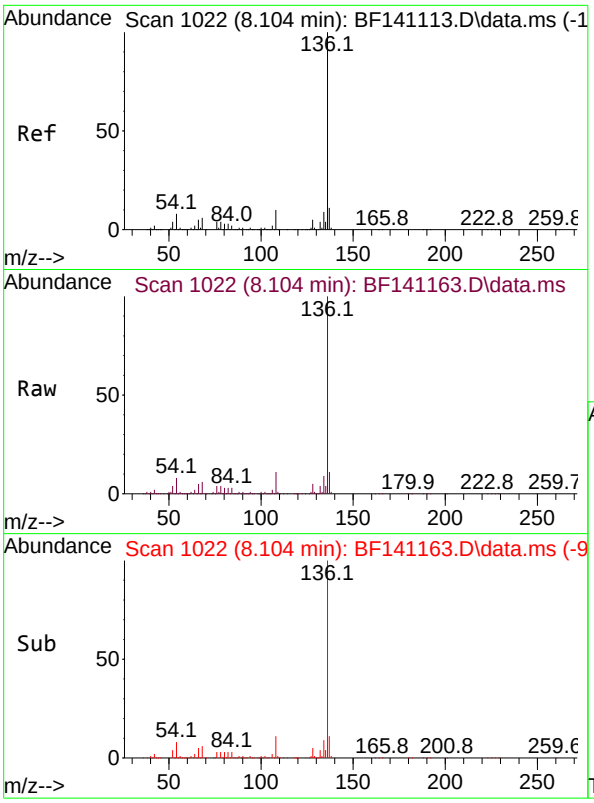




#20
3+4-Methylphenols
Concen: 38.141 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:107 Resp: 432882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.4 | 68.3 | 108.3 |
| 77 | 121.2 | 66.4 | 106.4# |
| 79 | 30.8 | 9.6 | 49.6 |



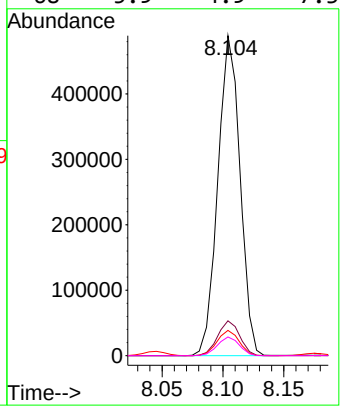


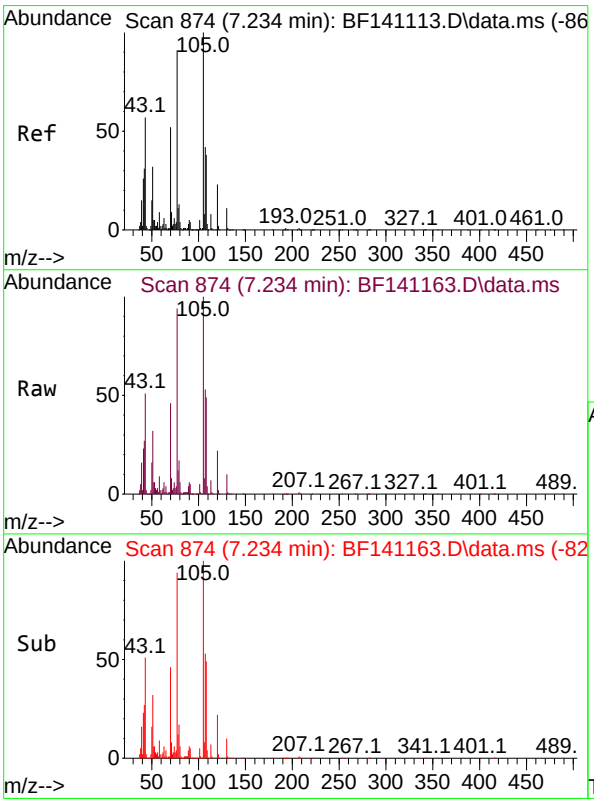

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:136 Resp: 621128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 7.9 | 6.3 | 9.5 |
| 68 | 5.9 | 4.9 | 7.3 |

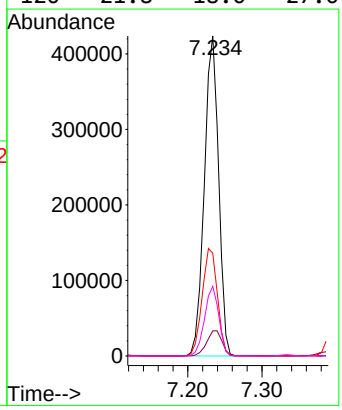


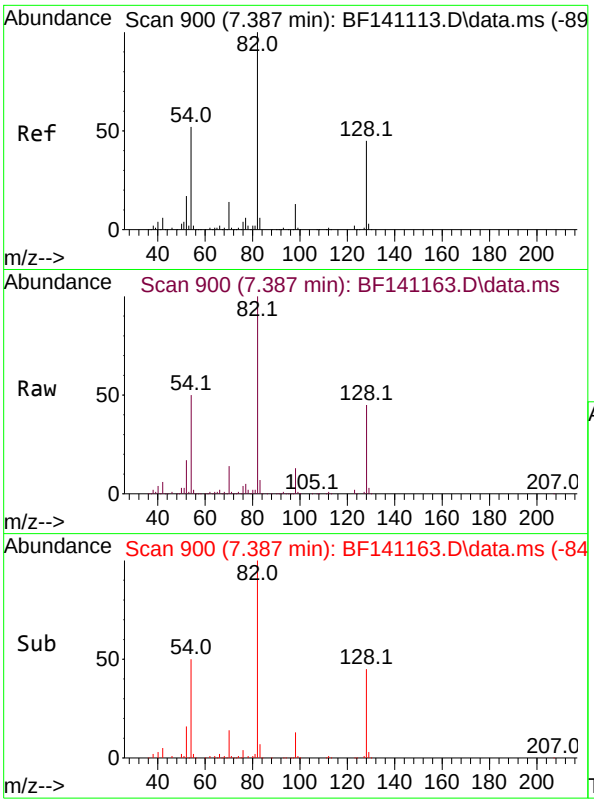




#22
Acetophenone
Concen: 38.408 ng
RT: 7.234 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:105 Resp: 567117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.9 | 7.1 | 10.7 |
| 51 | 32.1 | 25.4 | 38.2 |
| 120 | 21.8 | 18.0 | 27.0 |



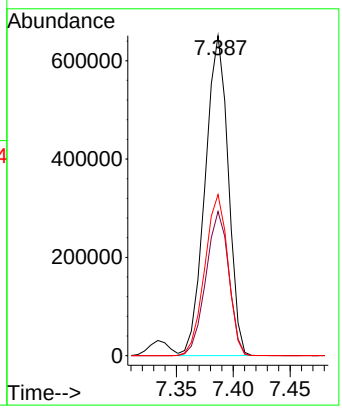


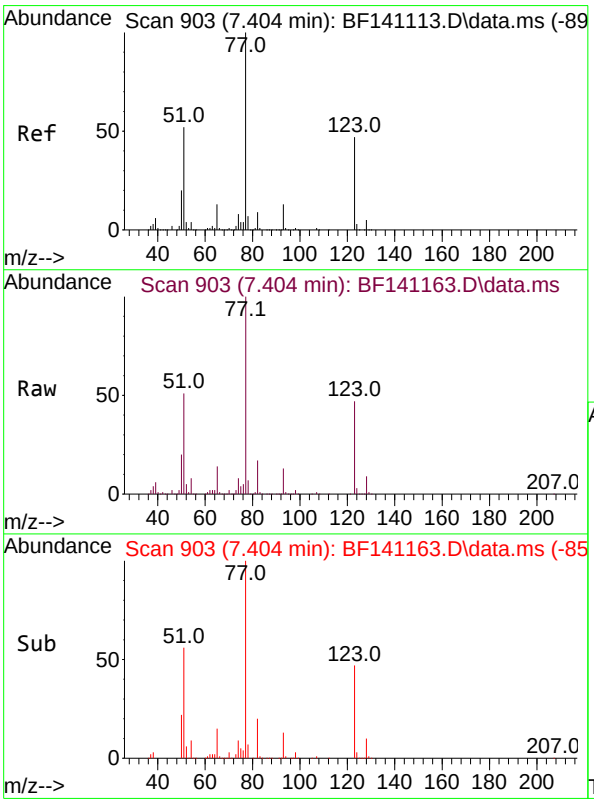

#23
Nitrobenzene-d5
Concen: 78.379 ng
RT: 7.387 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 918413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.0 | 36.1 | 54.1 |
| 54 | 50.4 | 41.0 | 61.4 |

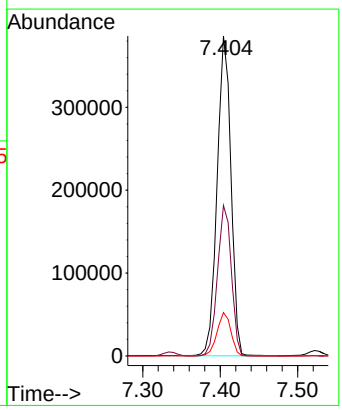


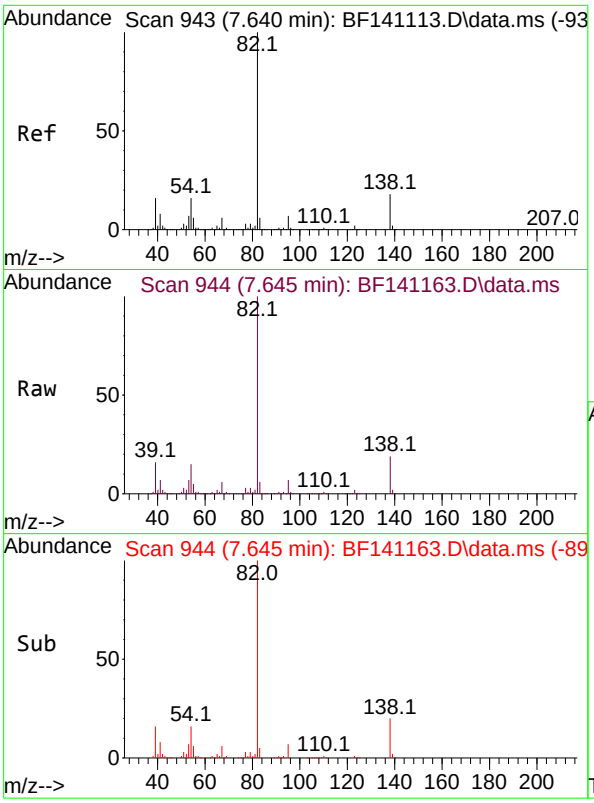




#24
Nitrobenzene
Concen: 39.172 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion: 77 Resp: 478369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.1 | 37.7 | 56.5 |
| 65 | 13.5 | 10.6 | 16.0 |



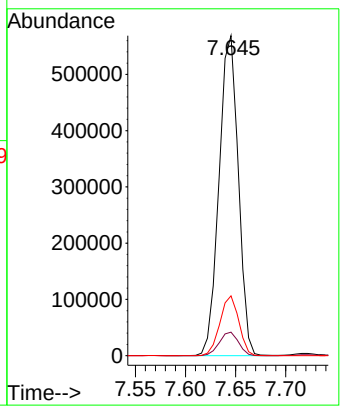


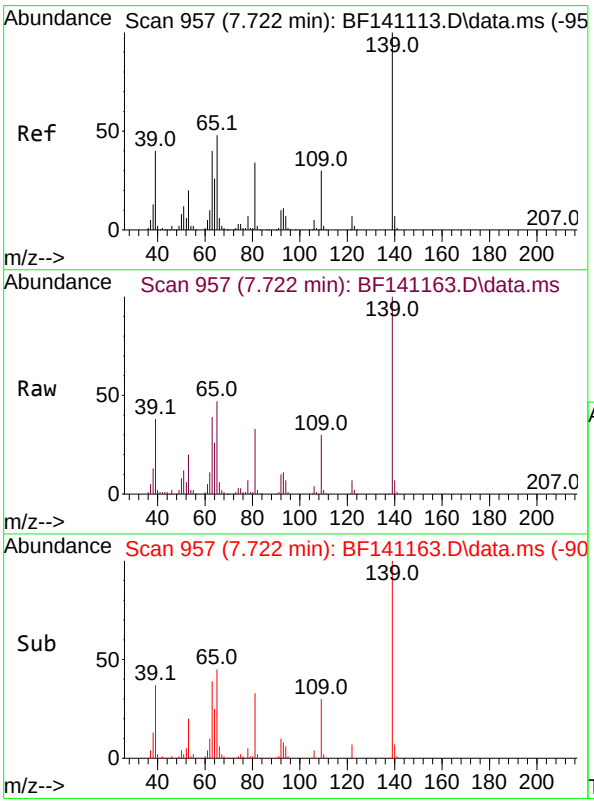

#25
Isophorone
Concen: 37.942 ng
RT: 7.645 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 759767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.4 | 5.9 | 8.9 |
| 138 | 18.7 | 14.2 | 21.2 |

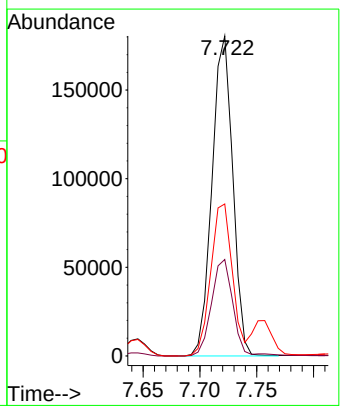


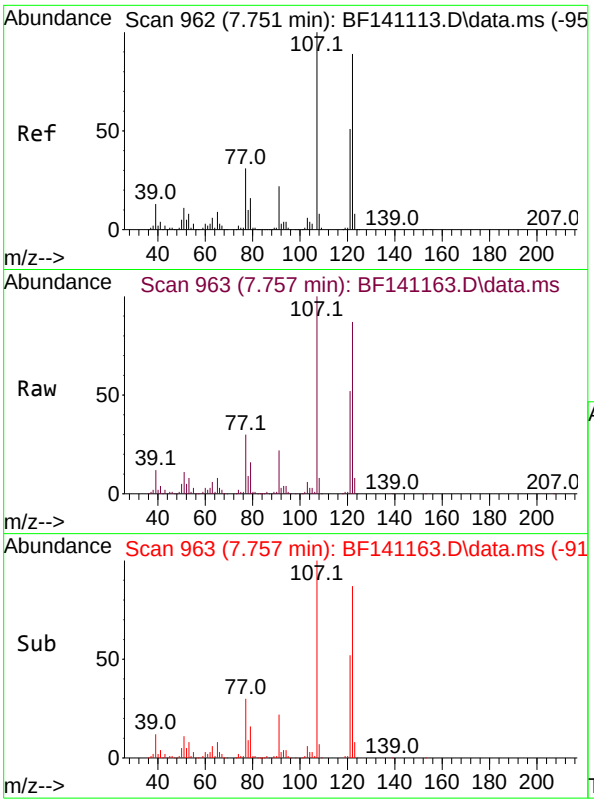




#26
2-Nitrophenol
Concen: 41.256 ng
RT: 7.722 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:139 Resp: 229180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.2 | 23.8 | 35.6 |
| 65 | 47.5 | 38.5 | 57.7 |



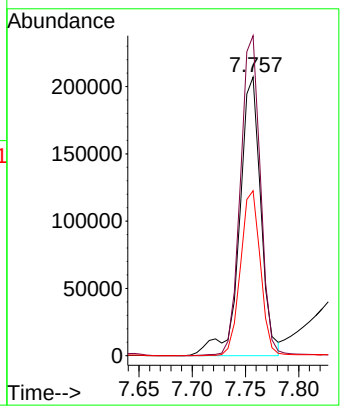


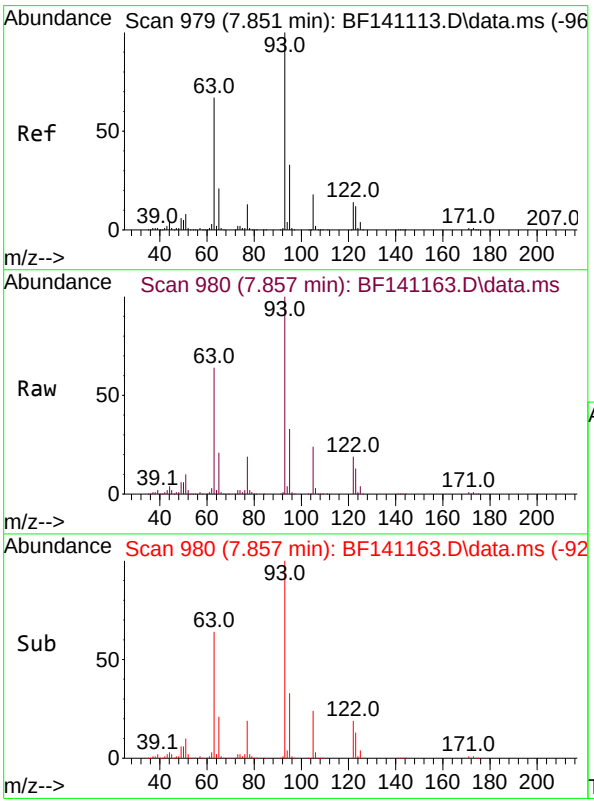

#27
2,4-Dimethylphenol
Concen: 38.423 ng
RT: 7.757 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:122 Resp: 287904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.9 | 90.3 | 135.5 |
| 121 | 59.2 | 46.5 | 69.7 |

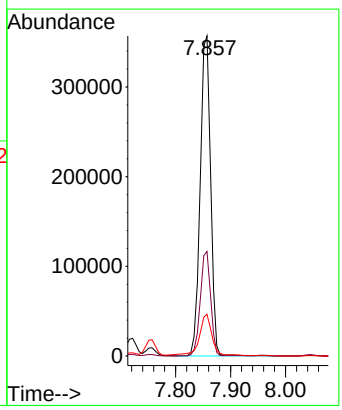


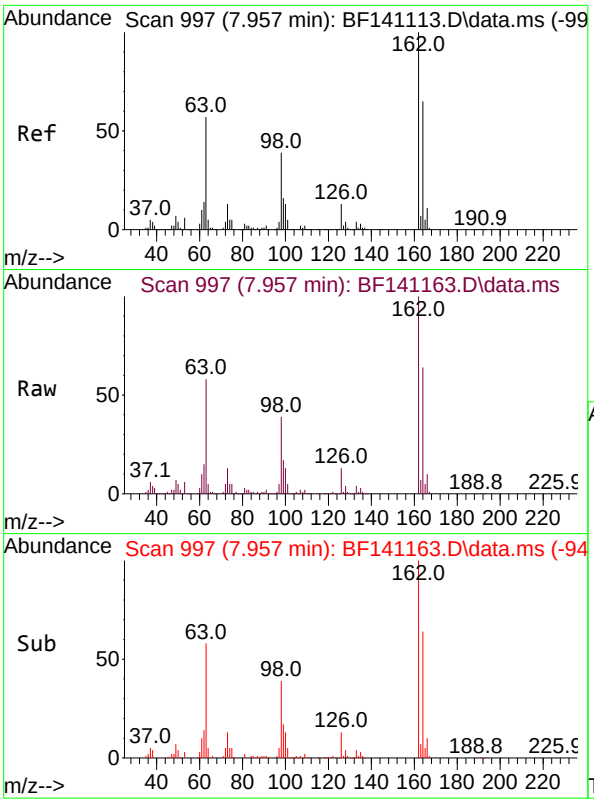




#28
bis(2-Chloroethoxy)methane
Concen: 37.538 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion: 93 Resp: 471751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.6 | 26.2 | 39.4 |
| 123 | 13.0 | 10.1 | 15.1 |



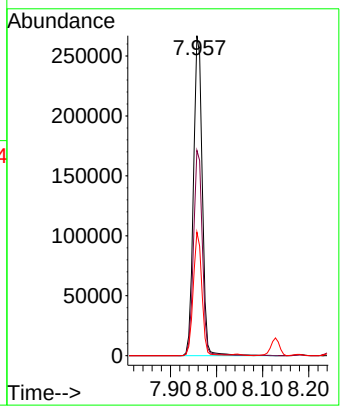


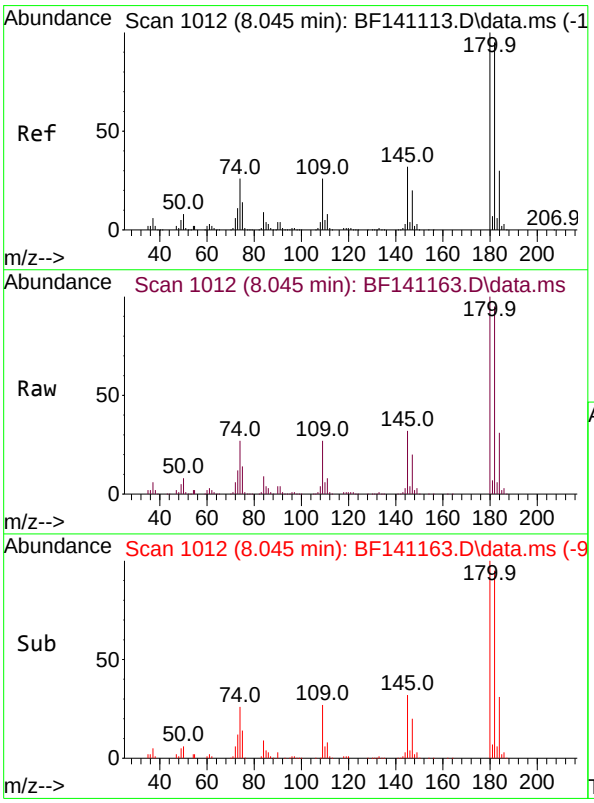

#29
2,4-Dichlorophenol
Concen: 39.621 ng
RT: 7.957 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 352601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.1 | 44.5 | 84.5 |
| 98 | 38.6 | 18.5 | 58.5 |

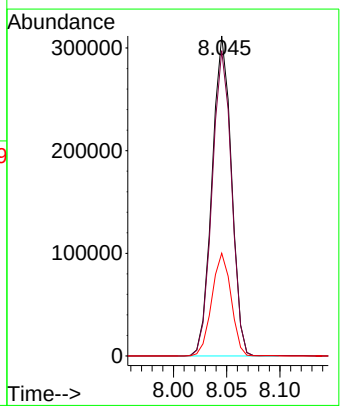


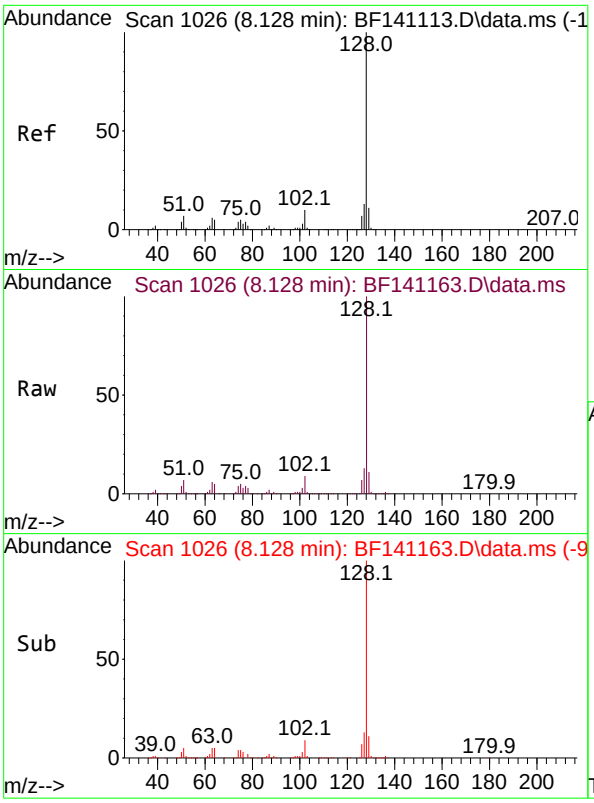




#30
1,2,4-Trichlorobenzene
Concen: 38.734 ng
RT: 8.045 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:180 Resp: 394012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.4 | 76.2 | 114.2 |
| 145 | 32.1 | 25.3 | 37.9 |



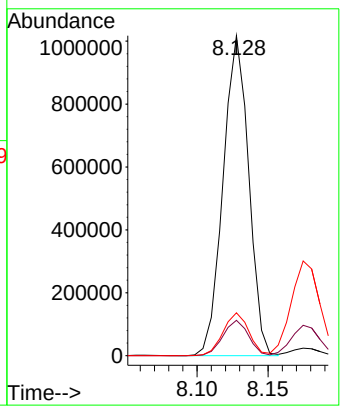


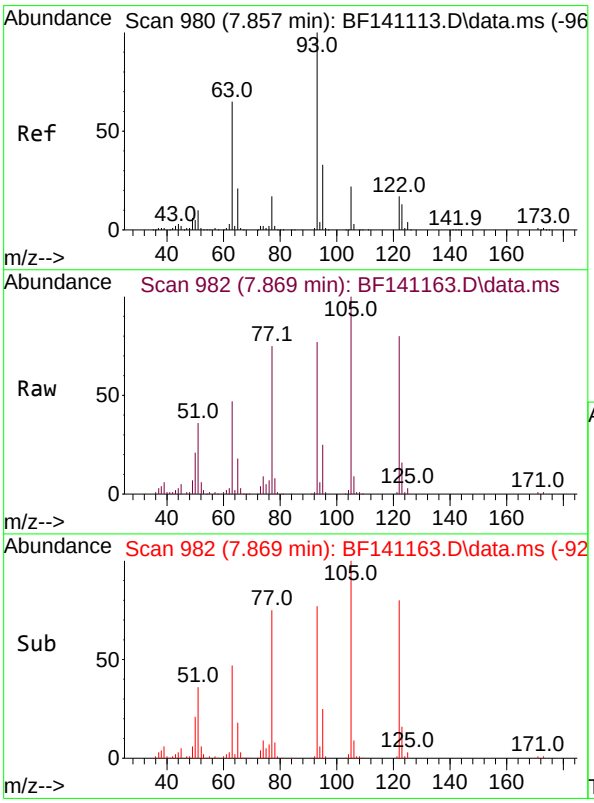

#31
Naphthalene
Concen: 38.895 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:128 Resp: 1274026

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

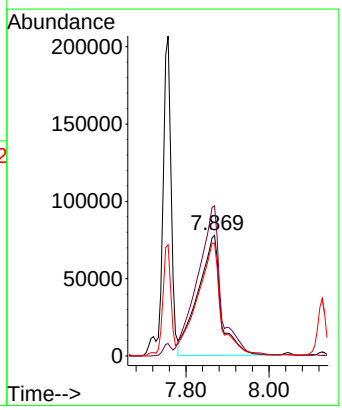


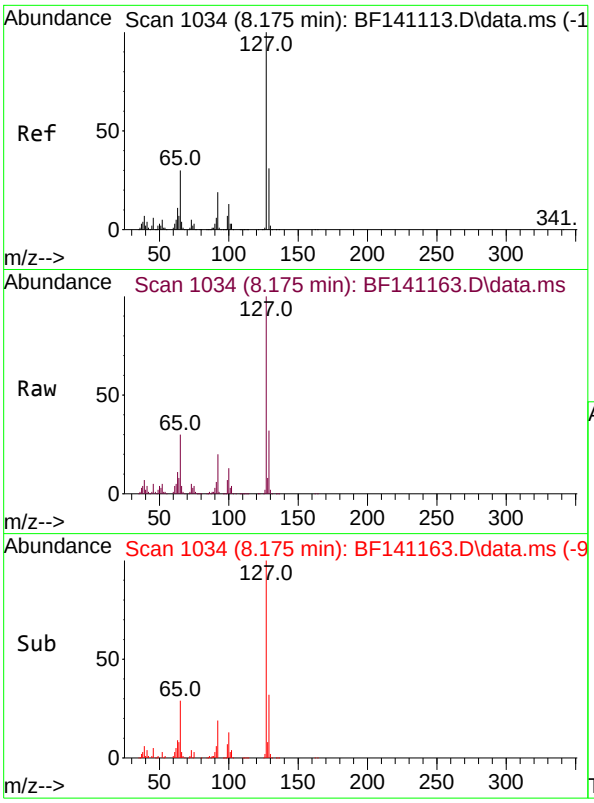




#32
Benzoic acid
Concen: 41.720 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.012 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:122 Resp: 299882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.4 | 105.5 | 145.5 |
| 77 | 93.5 | 75.1 | 115.1 |



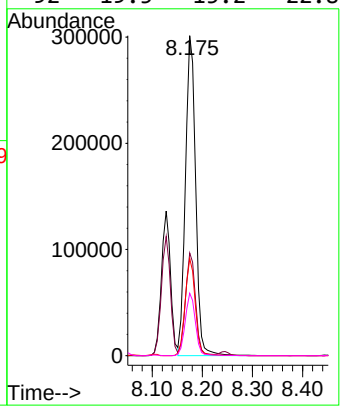


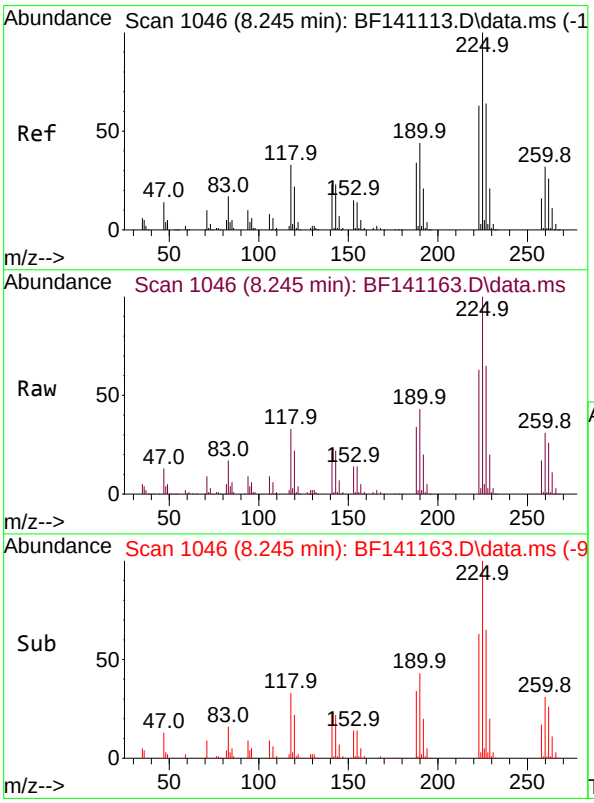

#33
4-Chloroaniline
Concen: 37.746 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:127 Resp: 427596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.1 | 25.9 | 38.9 |
| 65 | 30.4 | 23.8 | 35.8 |
| 92 | 19.5 | 15.2 | 22.8 |

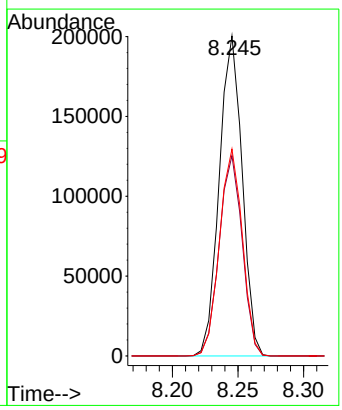


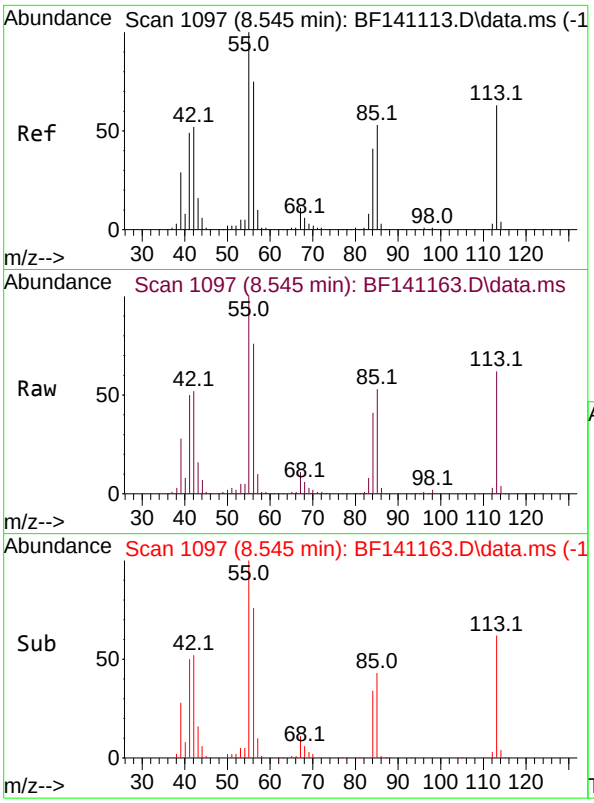




#34
Hexachlorobutadiene
Concen: 39.630 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:225 Resp: 242906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.6 | 50.6 | 76.0 |
| 227 | 64.6 | 51.6 | 77.4 |



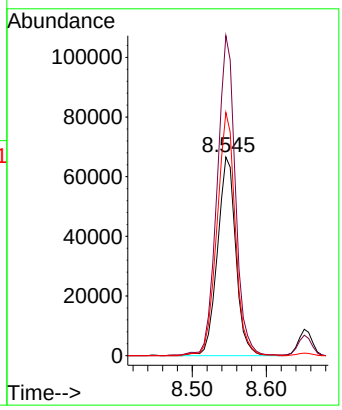


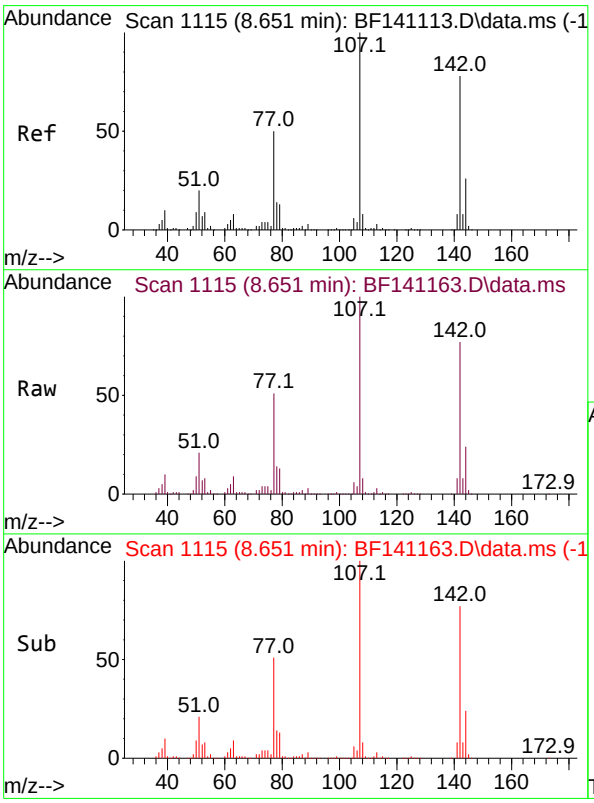

#35
Caprolactam
Concen: 39.209 ng
RT: 8.545 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:113 Resp: 114237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 161.1 | 139.7 | 179.7 |
| 56 | 122.5 | 99.4 | 139.4 |

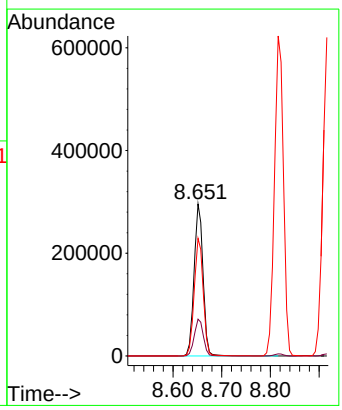


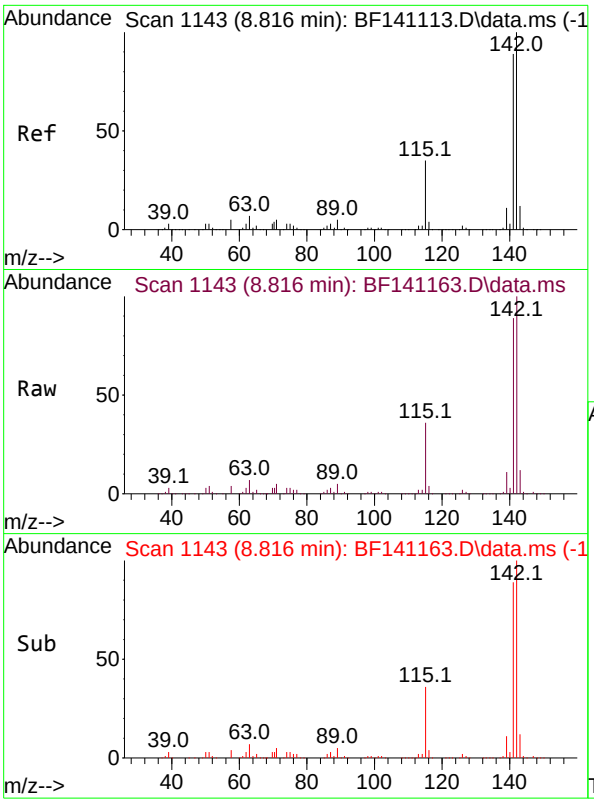




#36
4-Chloro-3-methylphenol
Concen: 39.099 ng
RT: 8.651 min Scan# 1115
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:107 Resp: 380538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.2 | 20.4 | 30.6 |
| 142 | 77.4 | 62.2 | 93.2 |



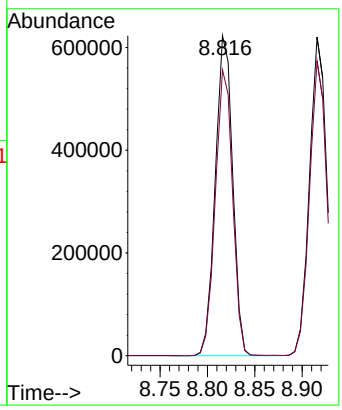


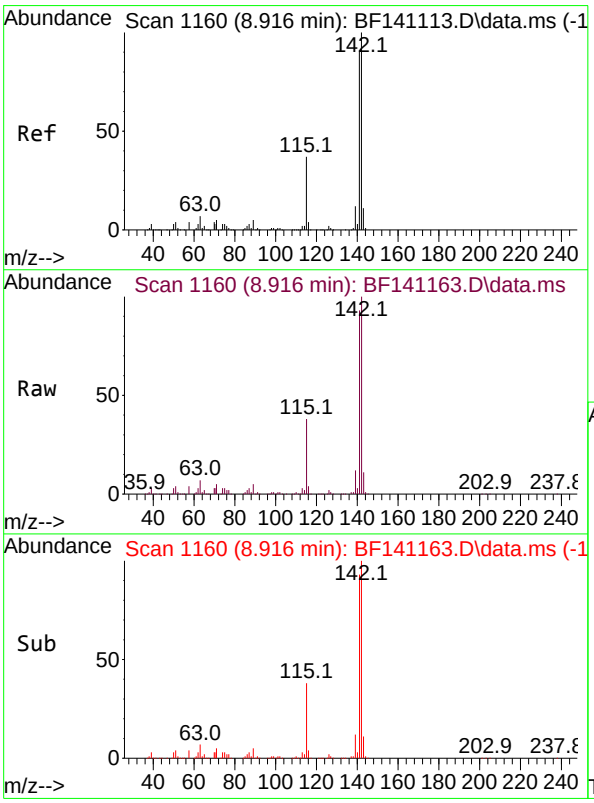

#37
2-Methylnaphthalene
Concen: 38.042 ng
RT: 8.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:142 Resp: 794058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.3 | 71.3 | 106.9 |

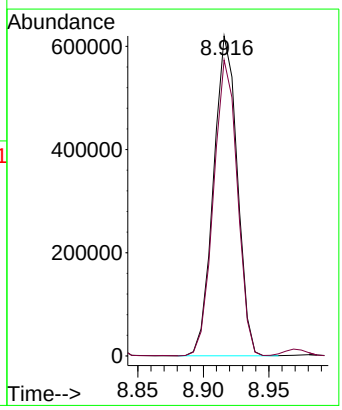


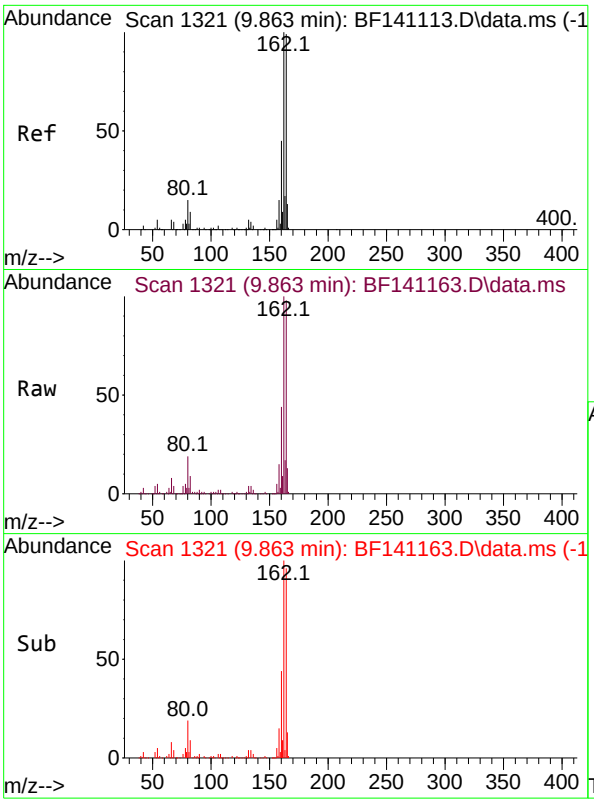




#38
1-Methylnaphthalene
Concen: 38.000 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:142 Resp: 781694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.5 | 73.1 | 109.7 |



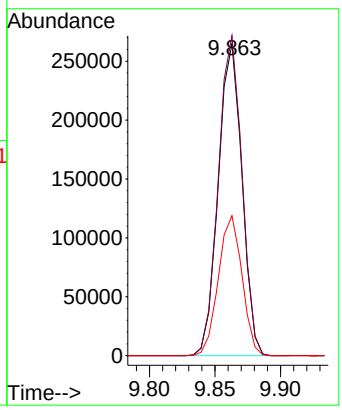


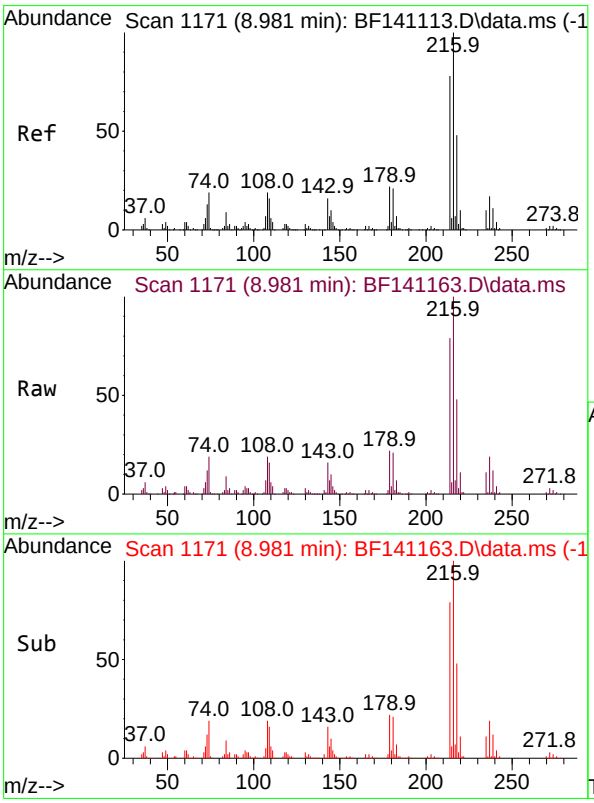

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:164 Resp: 331065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.5 | 81.0 | 121.4 |
| 160 | 44.9 | 36.1 | 54.1 |

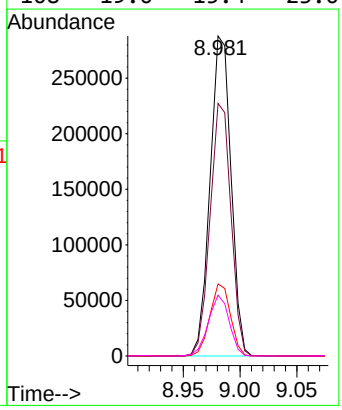


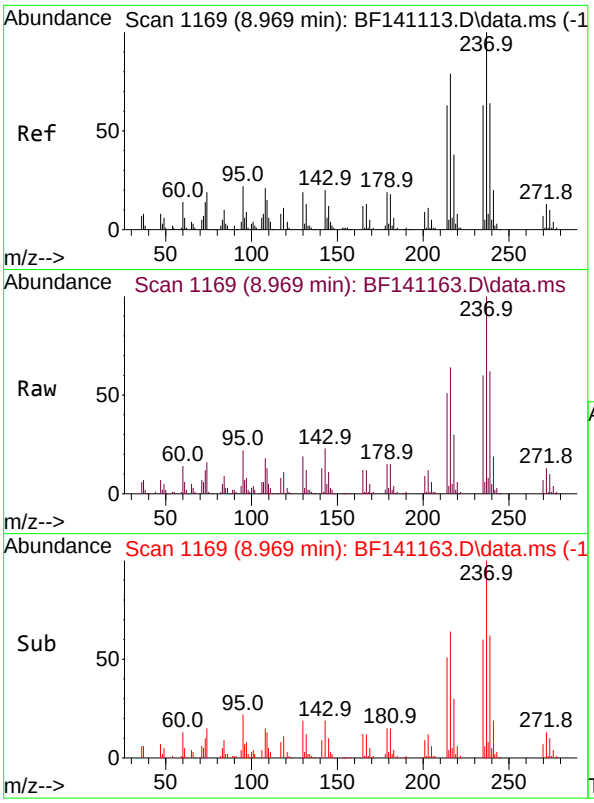




#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.818 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:216 Resp: 368859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.7 | 62.6 | 94.0 |
| 179 | 22.1 | 17.7 | 26.5 |
| 108 | 19.0 | 15.4 | 23.0 |



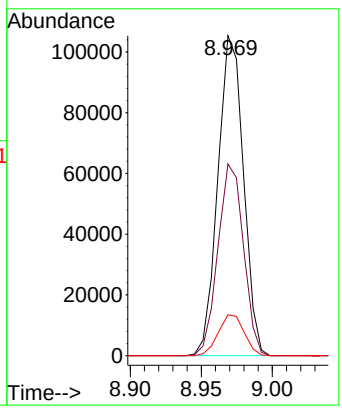


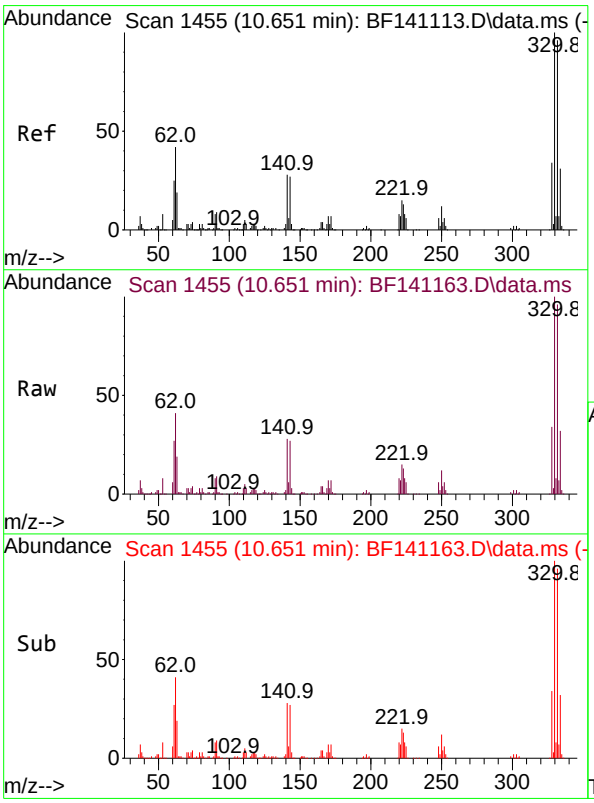

#41
Hexachlorocyclopentadiene
Concen: 42.390 ng
RT: 8.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:237 Resp: 131781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 59.9 | 43.0 | 83.0 |
| 272 | 12.8 | 0.0 | 33.0 |

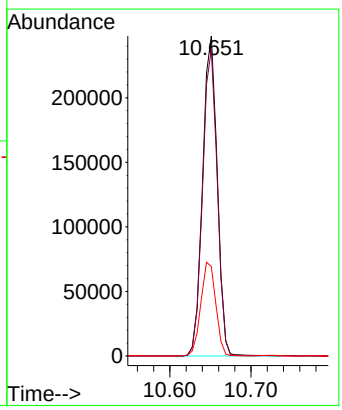


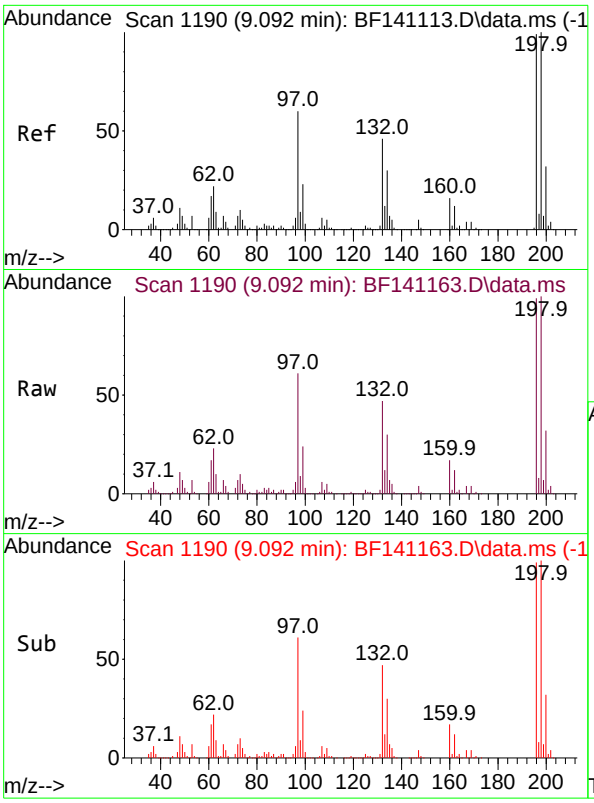




#42
2,4,6-Tribromophenol
Concen: 82.077 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:330 Resp: 309616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.0 | 76.9 | 115.3 |
| 141 | 30.0 | 25.2 | 37.8 |



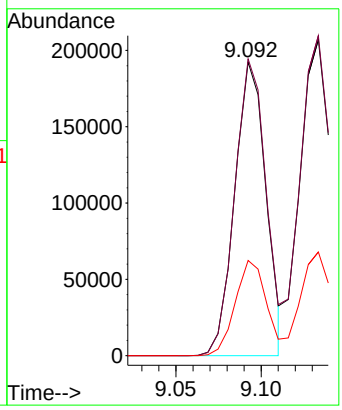


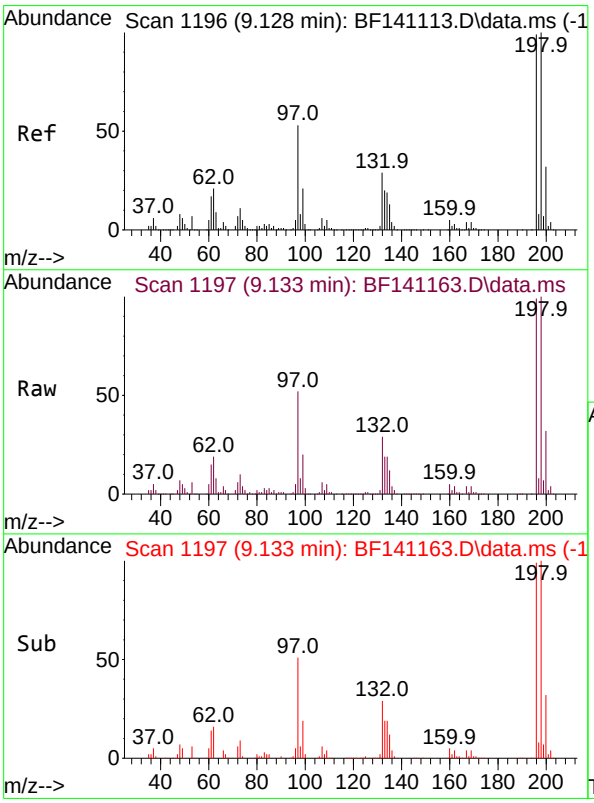

#43
2,4,6-Trichlorophenol
Concen: 38.255 ng
RT: 9.092 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:196 Resp: 245166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.1 | 80.8 | 121.2 |
| 200 | 32.4 | 25.7 | 38.5 |

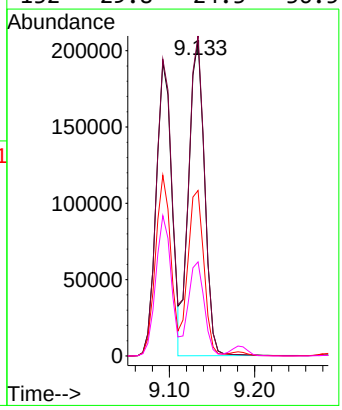


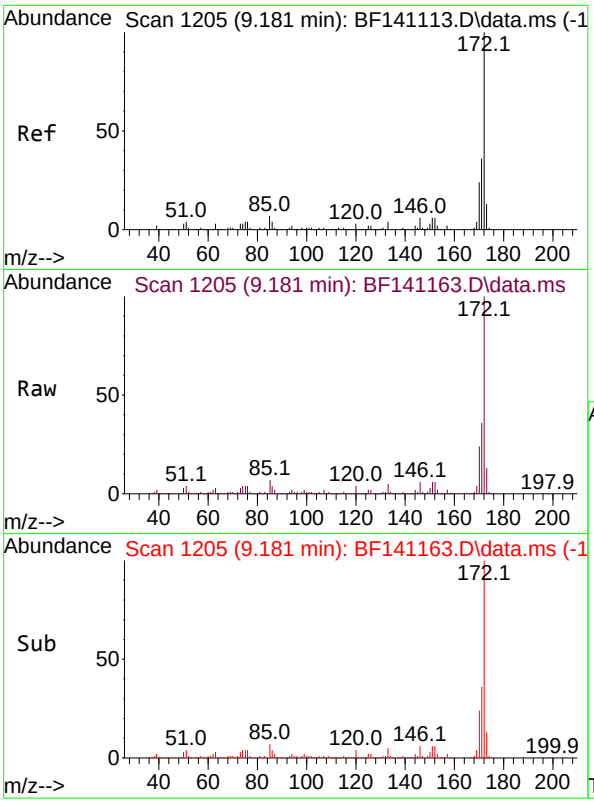




#44
2,4,5-Trichlorophenol
Concen: 39.496 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:196 Resp: 267319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.3 | 80.6 | 120.8 |
| 97 | 52.3 | 43.1 | 64.7 |
| 132 | 29.8 | 24.3 | 36.5 |



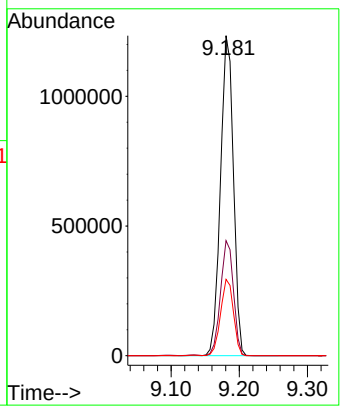


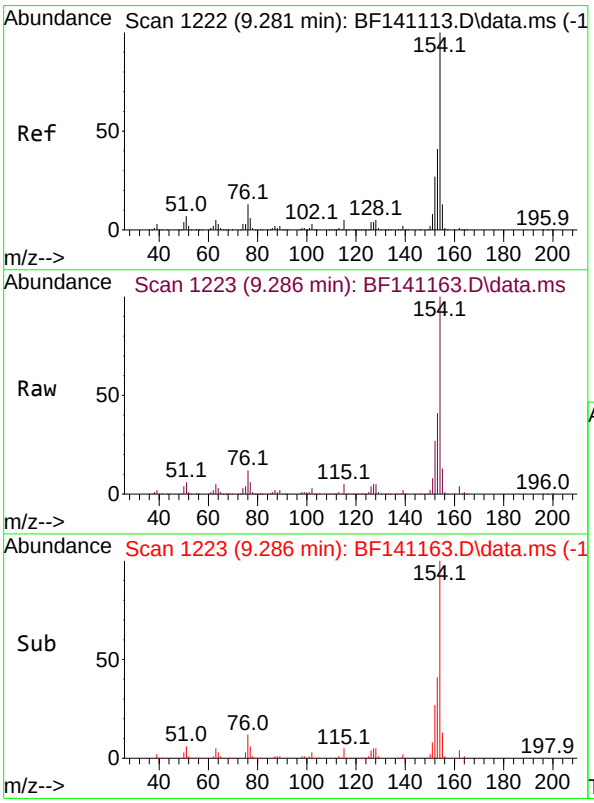

#45
2-Fluorobiphenyl
Concen: 75.172 ng
RT: 9.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:172 Resp: 1629732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 28.7 | 43.1 |
| 170 | 23.9 | 19.0 | 28.6 |

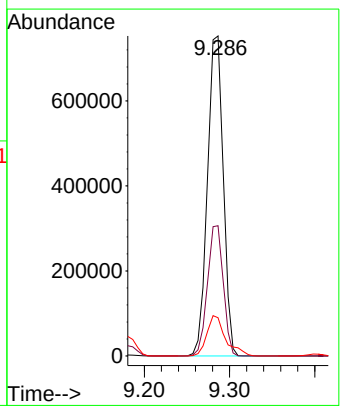


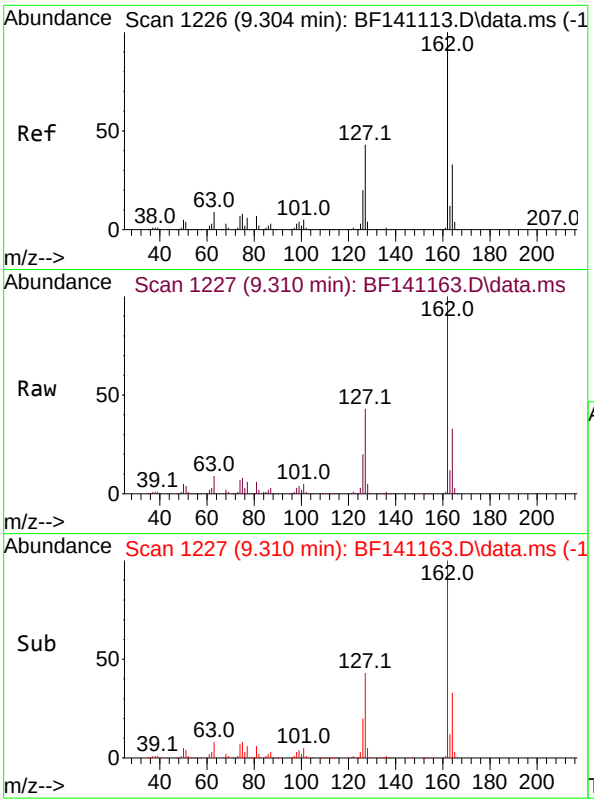




#46
1,1'-Biphenyl
Concen: 37.790 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:154 Resp: 971600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.7 | 20.7 | 60.7 |
| 76 | 11.9 | 0.0 | 33.1 |



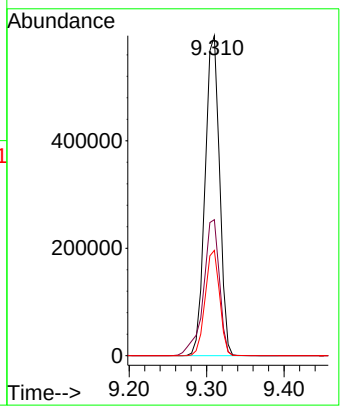


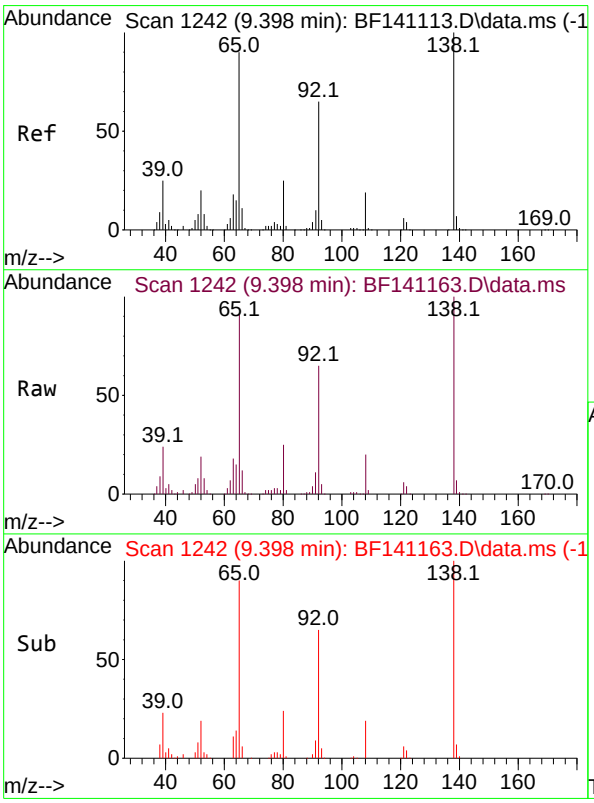

#47
2-Chloronaphthalene
Concen: 38.547 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 771915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.5 | 34.6 | 51.8 |
| 164 | 32.9 | 26.5 | 39.7 |

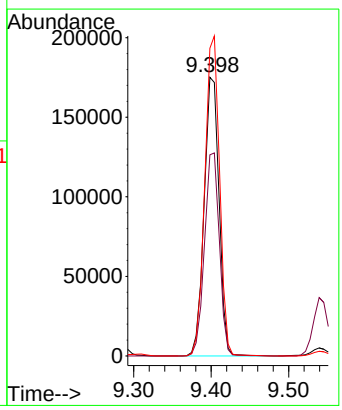


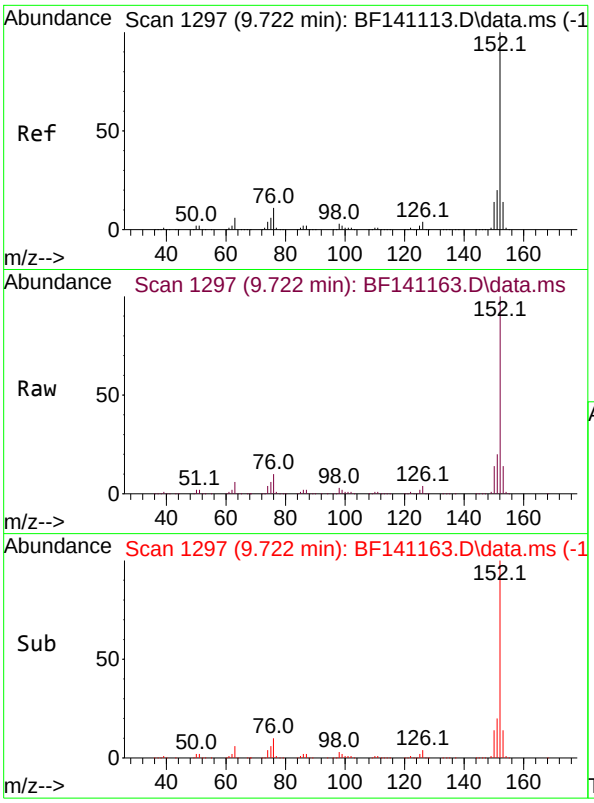




#48
2-Nitroaniline
Concen: 39.382 ng
RT: 9.398 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion: 65 Resp: 233780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 72.2 | 58.3 | 87.5 |
| 138 | 110.4 | 89.1 | 133.7 |



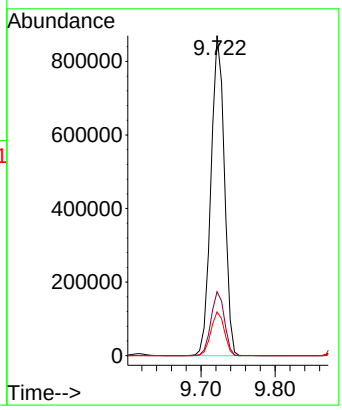


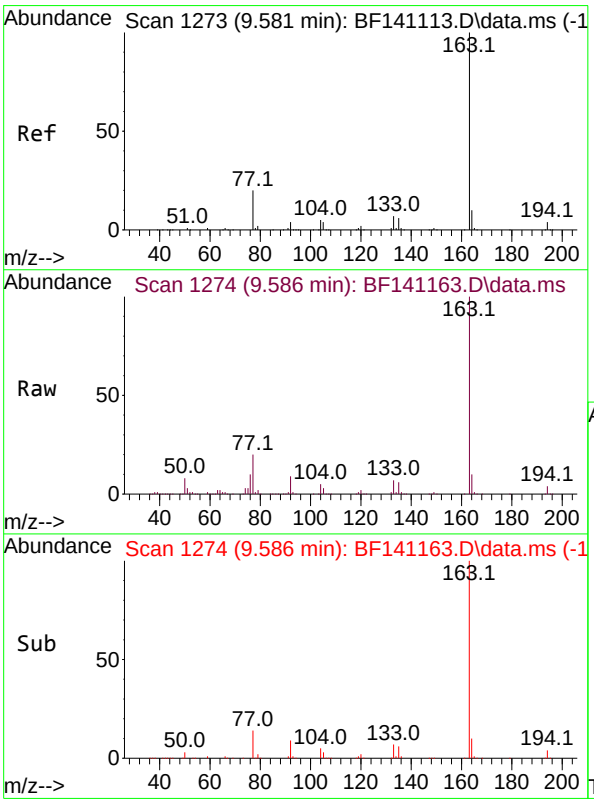

#49
Acenaphthylene
Concen: 38.201 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 1092932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 16.1 | 24.1 |
| 153 | 13.7 | 11.1 | 16.7 |

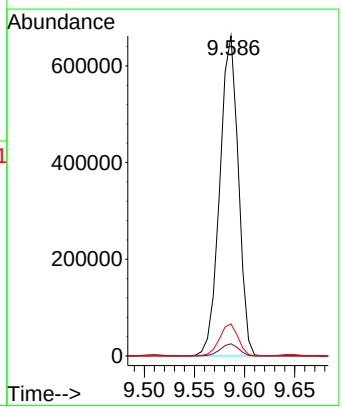


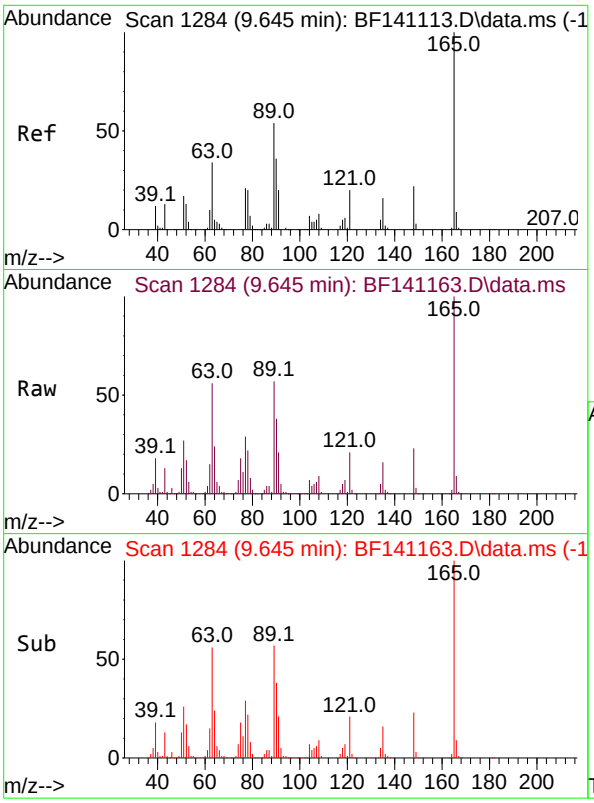




#50
Dimethylphthalate
Concen: 38.362 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:163 Resp: 852618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.6 |
| 164 | 10.0 | 8.2 | 12.4 |



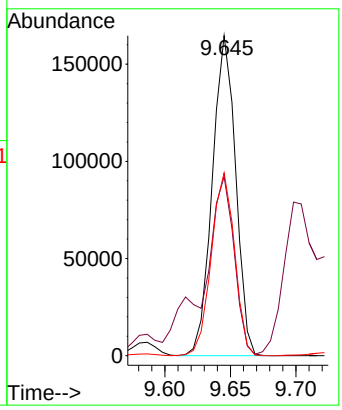


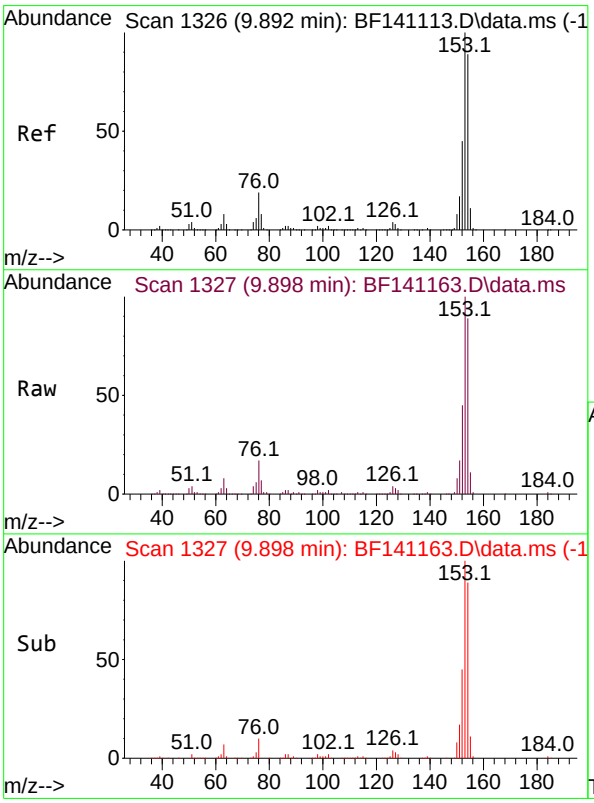

#51
2,6-Dinitrotoluene
Concen: 39.398 ng
RT: 9.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 203629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 55.9 | 42.3 | 63.5 |
| 89 | 57.2 | 43.1 | 64.7 |

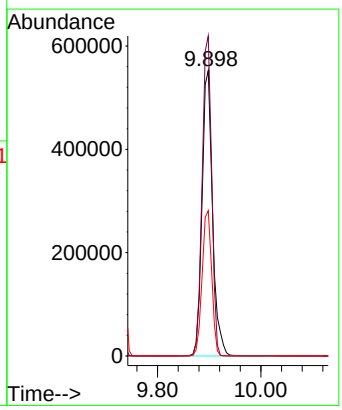


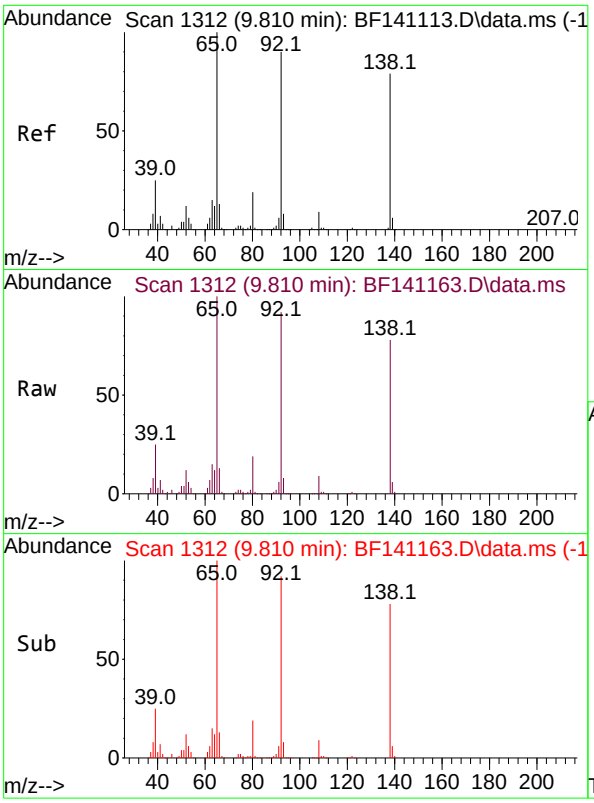




#52
Acenaphthene
Concen: 38.964 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:154 Resp: 778826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.1 | 89.8 | 134.6 |
| 152 | 50.9 | 40.8 | 61.2 |



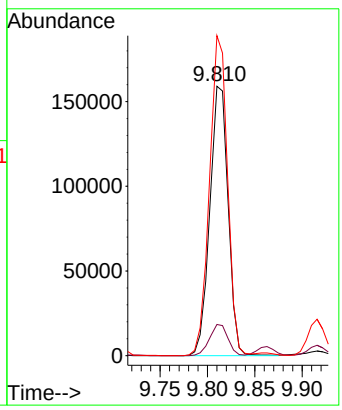


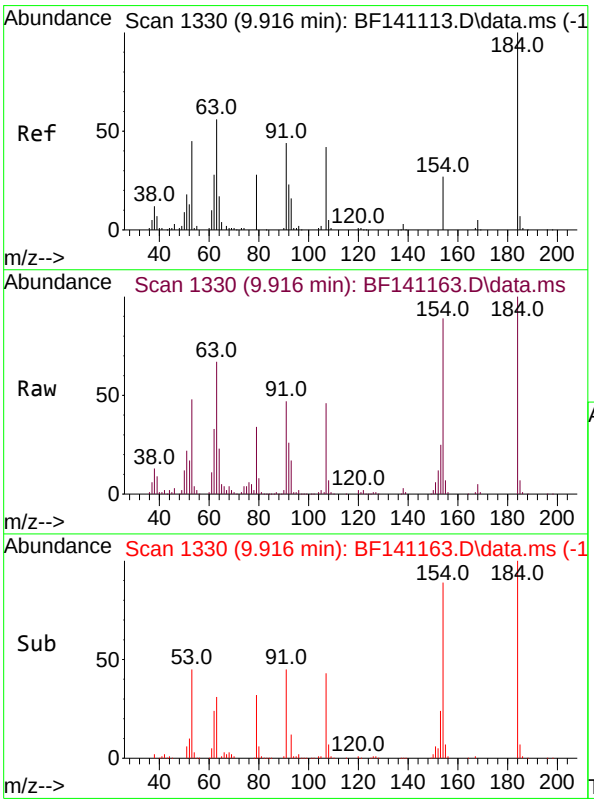

#53
3-Nitroaniline
Concen: 40.799 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:138 Resp: 214285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.6 | 8.8 | 13.2 |
| 92 | 118.7 | 91.3 | 136.9 |

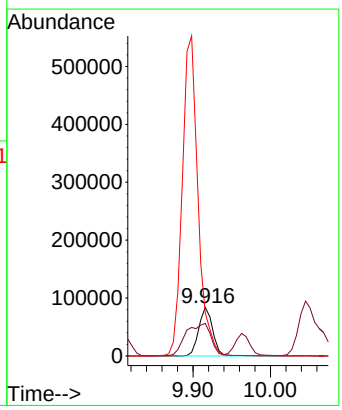


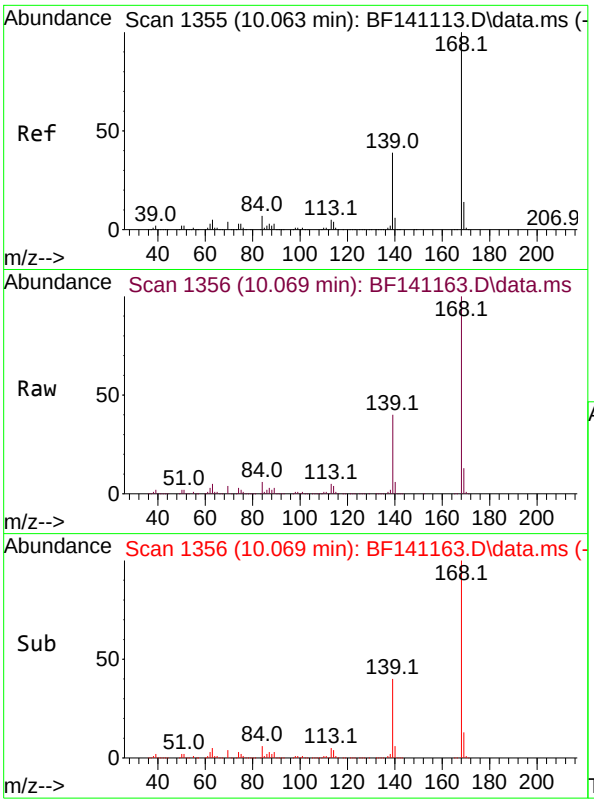




#54
2,4-Dinitrophenol
Concen: 42.819 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:184 Resp: 105192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 67.0 | 48.7 | 73.1 |
| 154 | 88.9 | 57.1 | 85.7# |



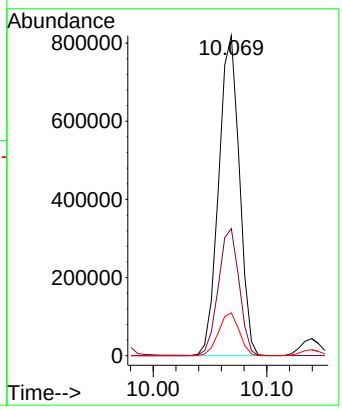


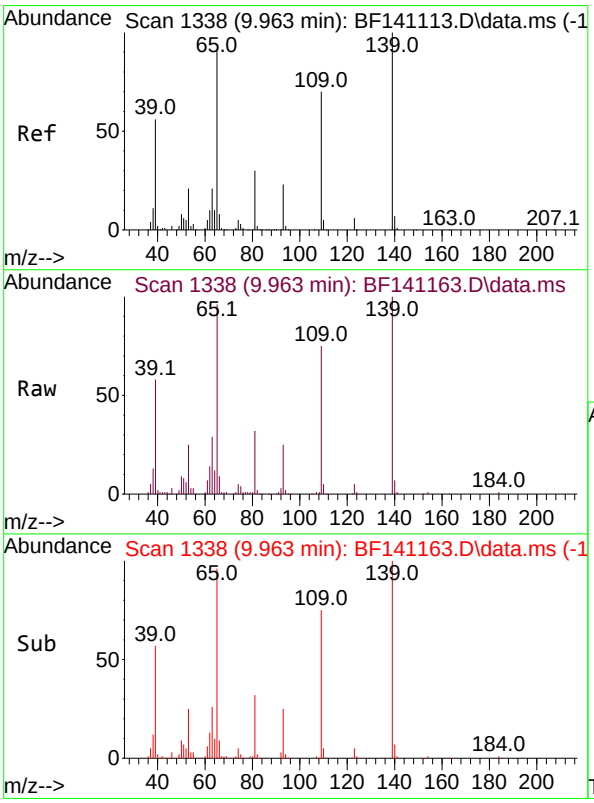

#55
Dibenzofuran
Concen: 38.134 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:168 Resp: 1036793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.7 | 31.4 | 47.0 |
| 169 | 13.4 | 10.9 | 16.3 |

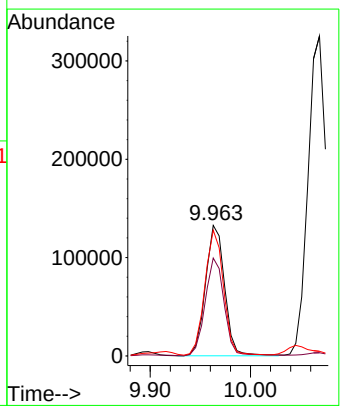


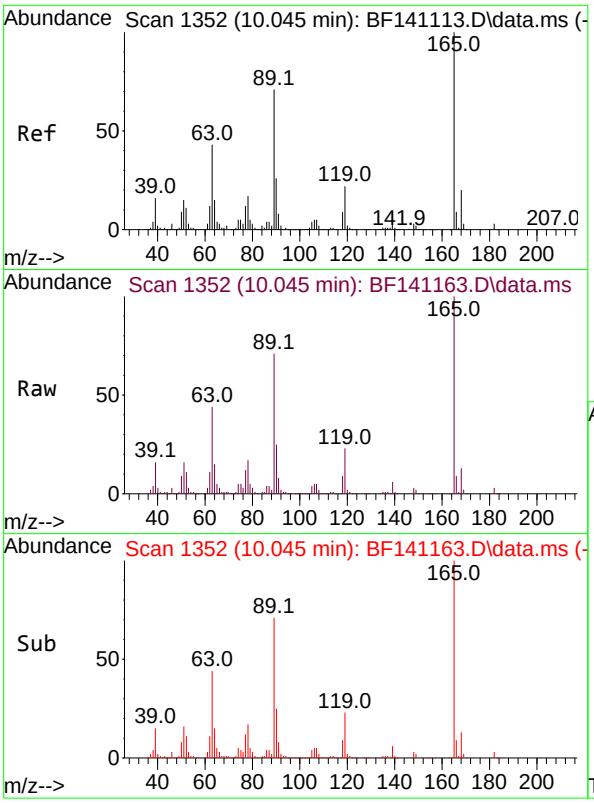




#56
4-Nitrophenol
Concen: 42.735 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:139 Resp: 175787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 74.9 | 50.2 | 90.2 |
| 65 | 96.3 | 72.1 | 112.1 |



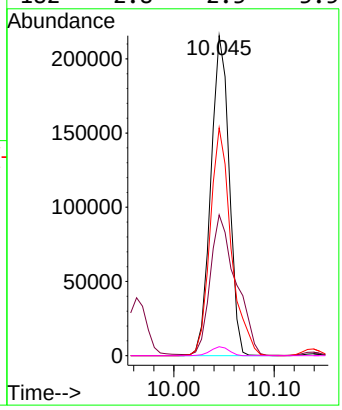


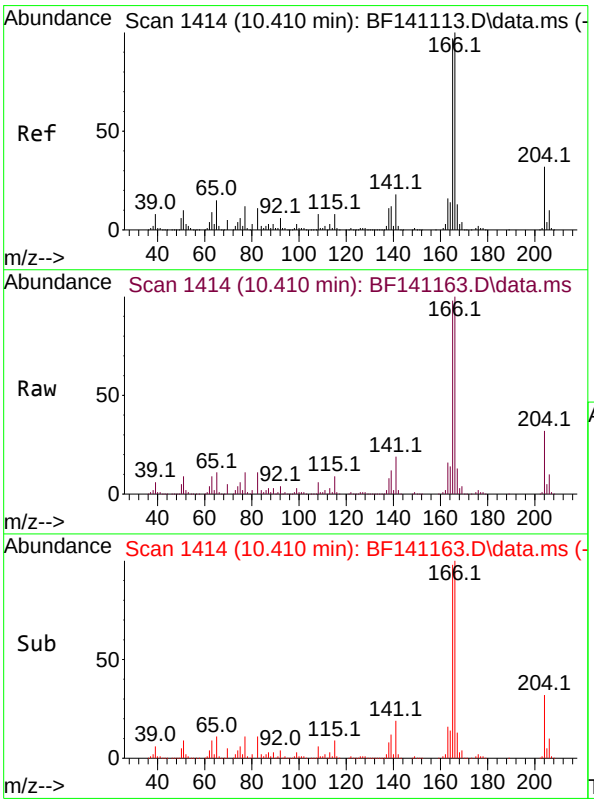

#57
2,4-Dinitrotoluene
Concen: 41.019 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 273216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 44.0 | 35.0 | 52.4 |
| 89 | 71.2 | 56.7 | 85.1 |
| 182 | 2.8 | 2.3 | 3.5 |

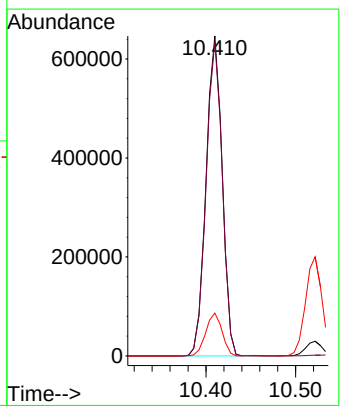


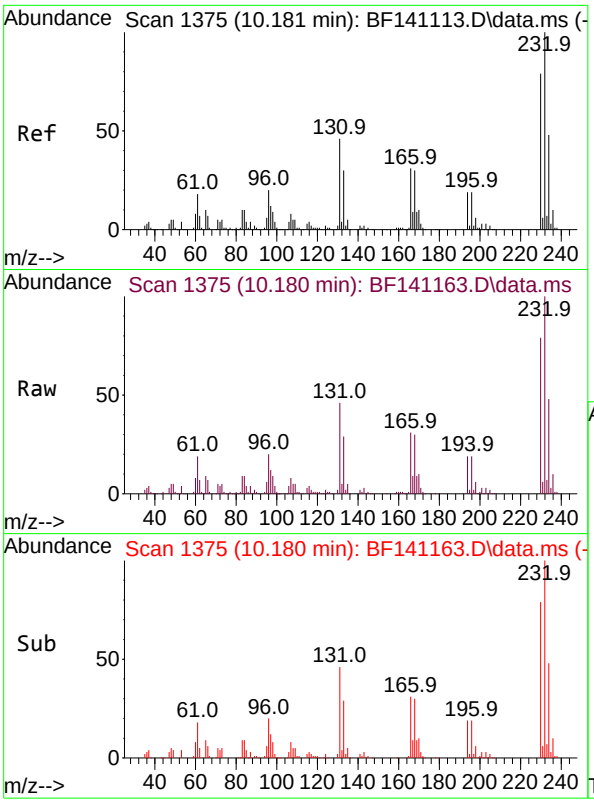




#58
Fluorene
Concen: 38.346 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:166 Resp: 809960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.1 | 77.8 | 116.8 |
| 167 | 13.4 | 10.8 | 16.2 |



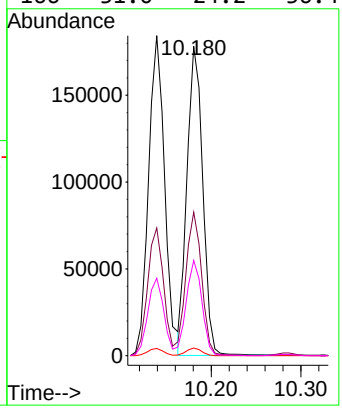


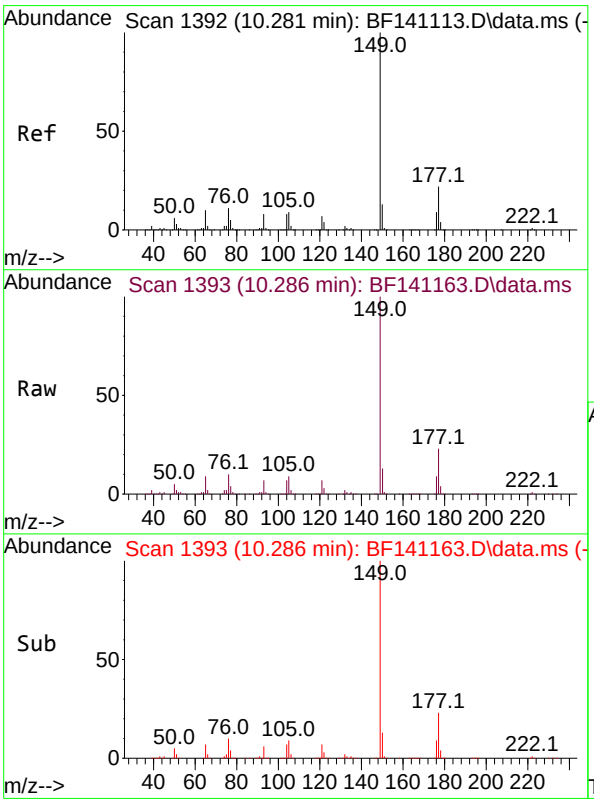

#59
2,3,4,6-Tetrachlorophenol
Concen: 38.675 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:232 Resp: 217581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.9 | 36.2 | 54.4 |
| 130 | 2.5 | 2.0 | 3.0 |
| 166 | 31.0 | 24.2 | 36.4 |

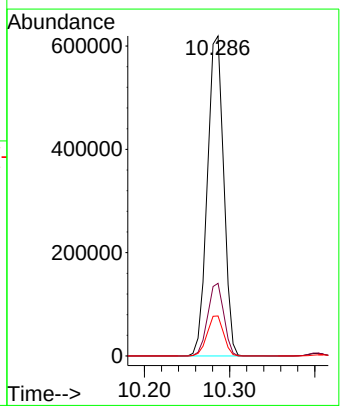


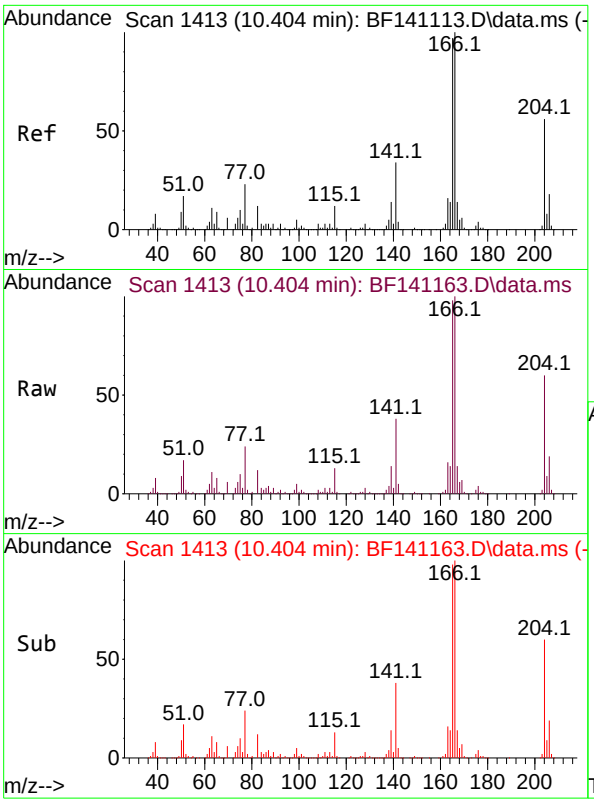




#60
Diethylphthalate
Concen: 37.898 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:149 Resp: 822297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.7 | 17.9 | 26.9 |
| 150 | 12.5 | 10.2 | 15.2 |



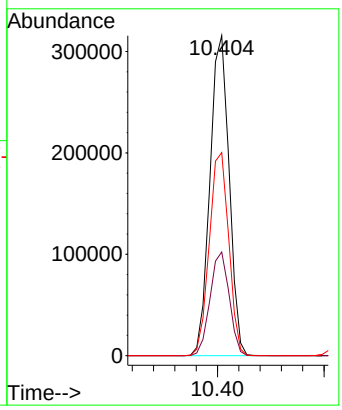


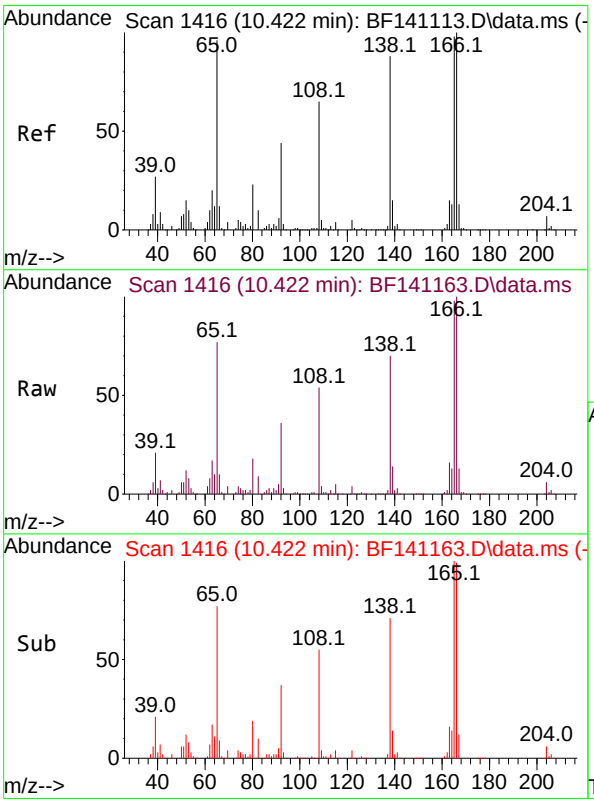

#61
4-Chlorophenyl-phenylether
Concen: 38.245 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:204 Resp: 393728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.4 | 25.9 | 38.9 |
| 141 | 63.5 | 49.1 | 73.7 |

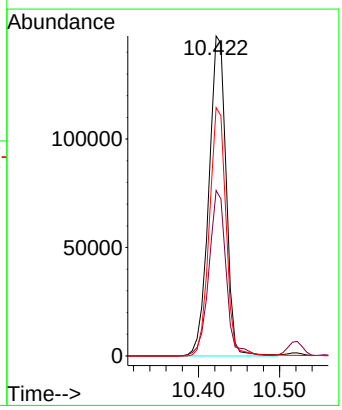


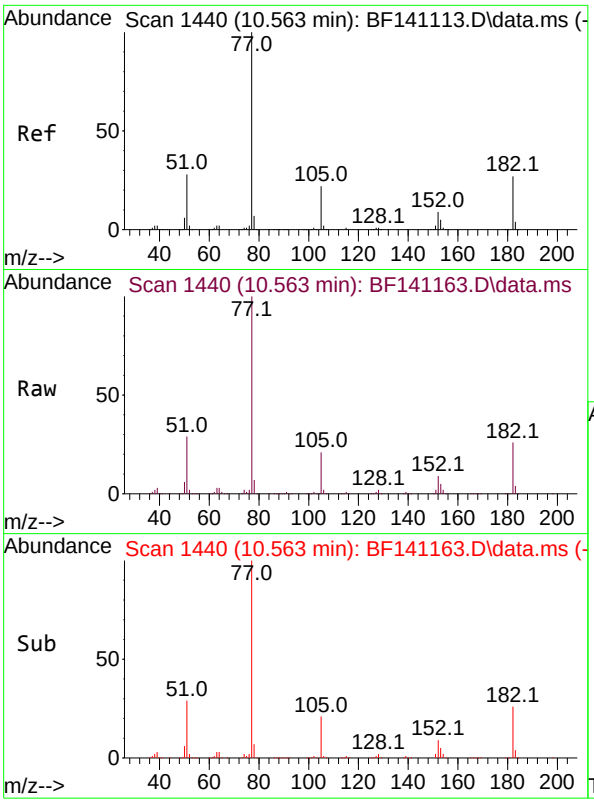




#62
4-Nitroaniline
Concen: 42.253 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:138 Resp: 217208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.7 | 29.4 | 69.4 |
| 108 | 77.6 | 53.7 | 93.7 |



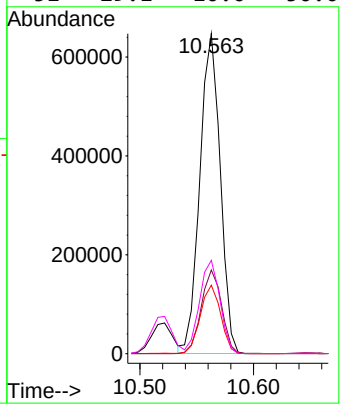


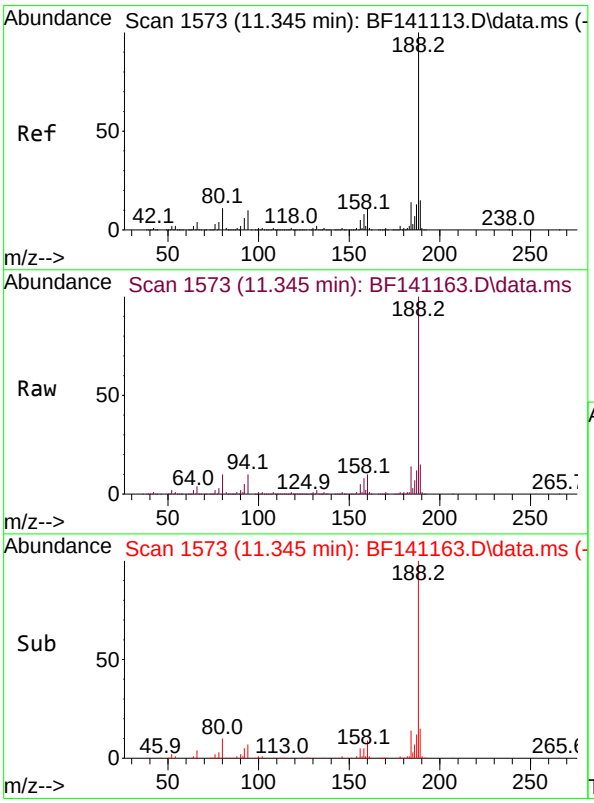

#63
Azobenzene
Concen: 37.723 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 807640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.2 | 6.1 | 46.1 |
| 105 | 21.4 | 2.1 | 42.1 |
| 51 | 29.1 | 10.0 | 50.0 |

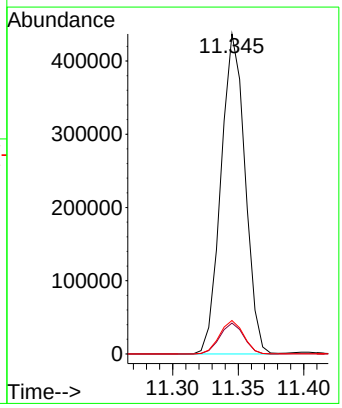


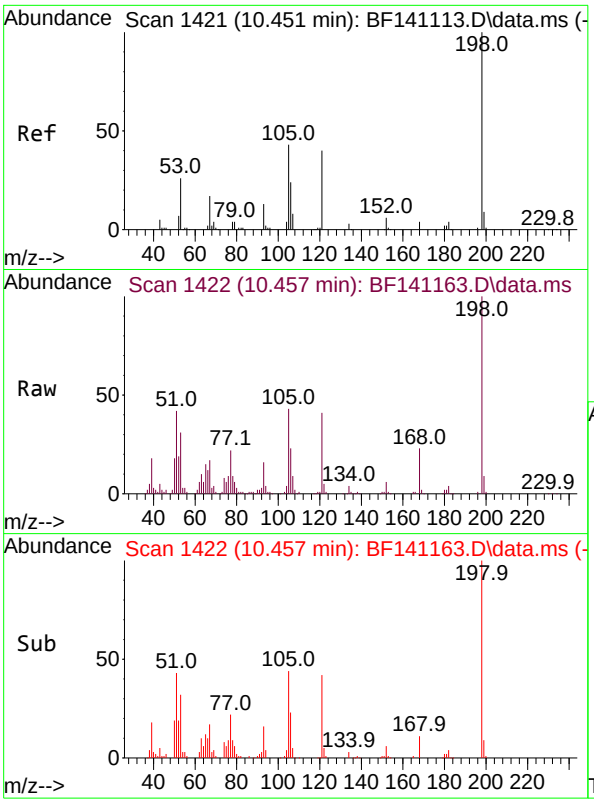




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:188 Resp: 558521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.7 | 8.3 | 12.5 |
| 80 | 10.5 | 9.0 | 13.4 |



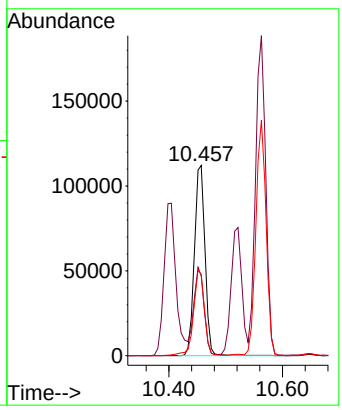


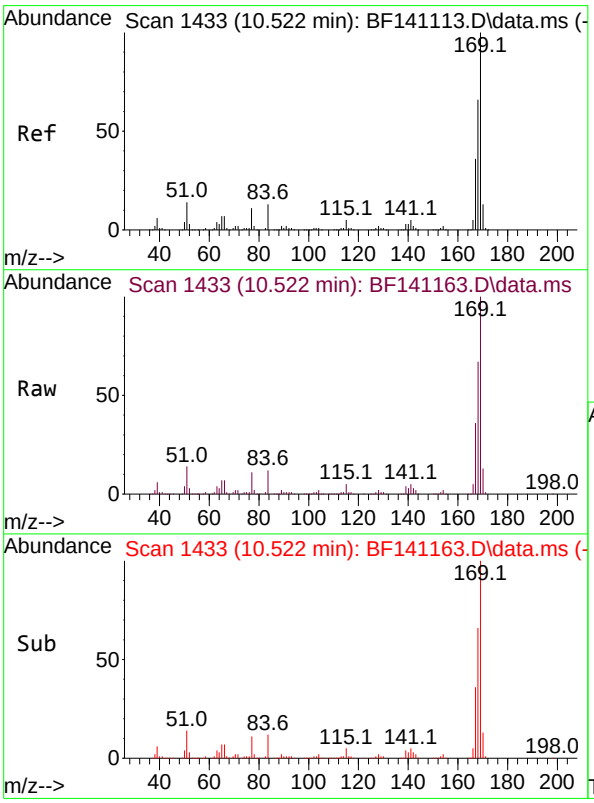

#65
4,6-Dinitro-2-methylphenol
Concen: 45.236 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:198 Resp: 146406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 41.9 | 27.1 | 67.1 |
| 105 | 42.8 | 24.2 | 64.2 |

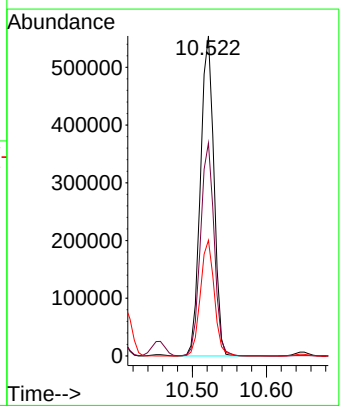


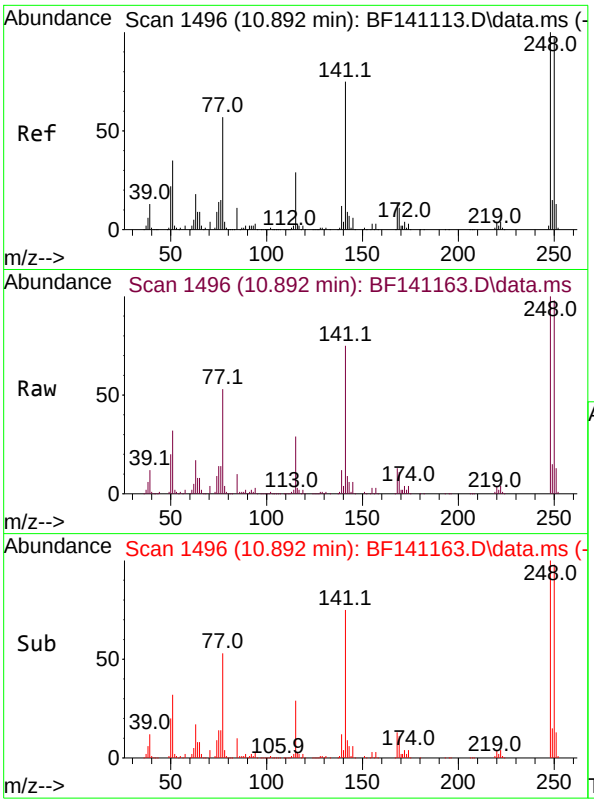




#66
n-Nitrosodiphenylamine
Concen: 38.976 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:169 Resp: 702142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.6 | 52.5 | 78.7 |
| 167 | 36.2 | 28.9 | 43.3 |



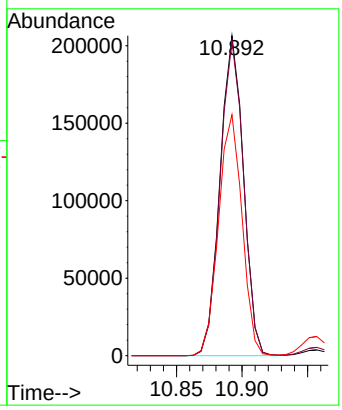


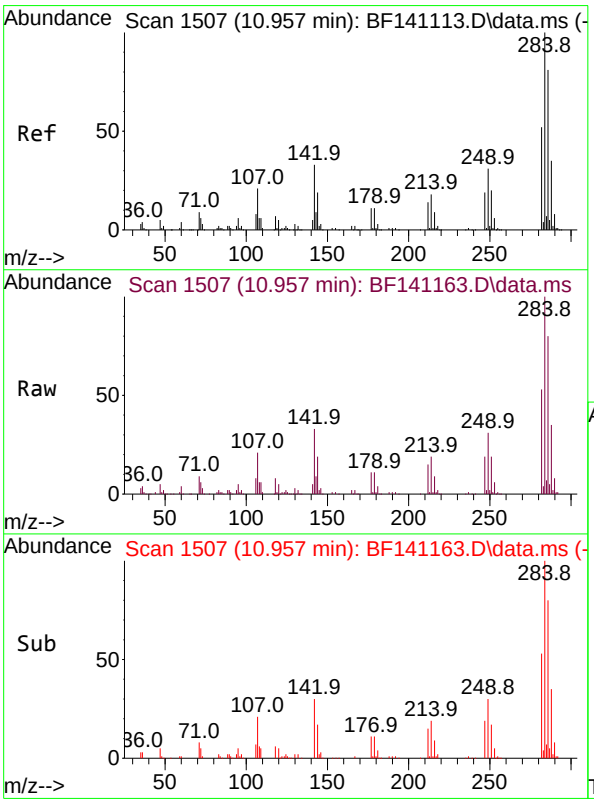

#67
4-Bromophenyl-phenylether
Concen: 39.828 ng
RT: 10.892 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:248 Resp: 256105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.4 | 77.9 | 116.9 |
| 141 | 75.3 | 59.9 | 89.9 |

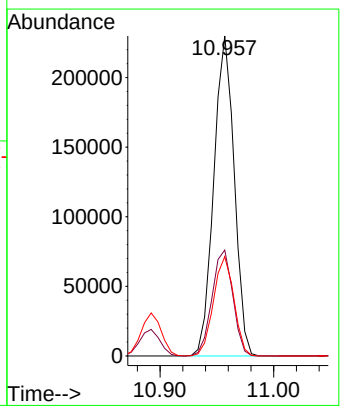


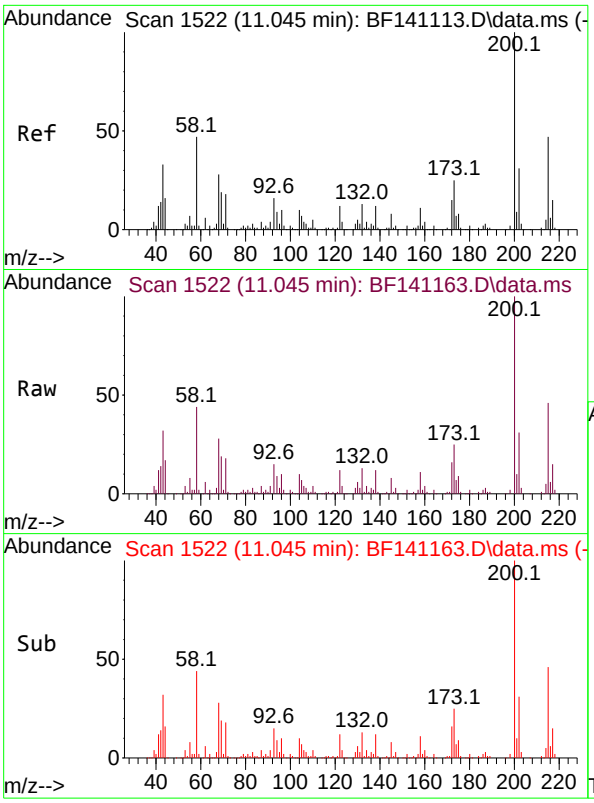




#68
Hexachlorobenzene
Concen: 40.133 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:284 Resp: 287273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.1 | 26.3 | 39.5 |
| 249 | 31.1 | 24.9 | 37.3 |



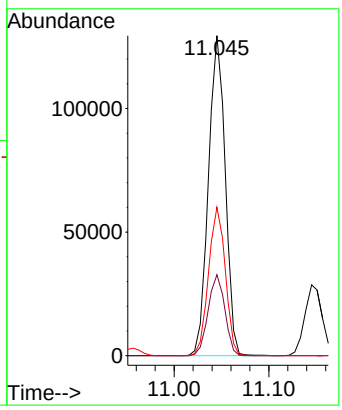


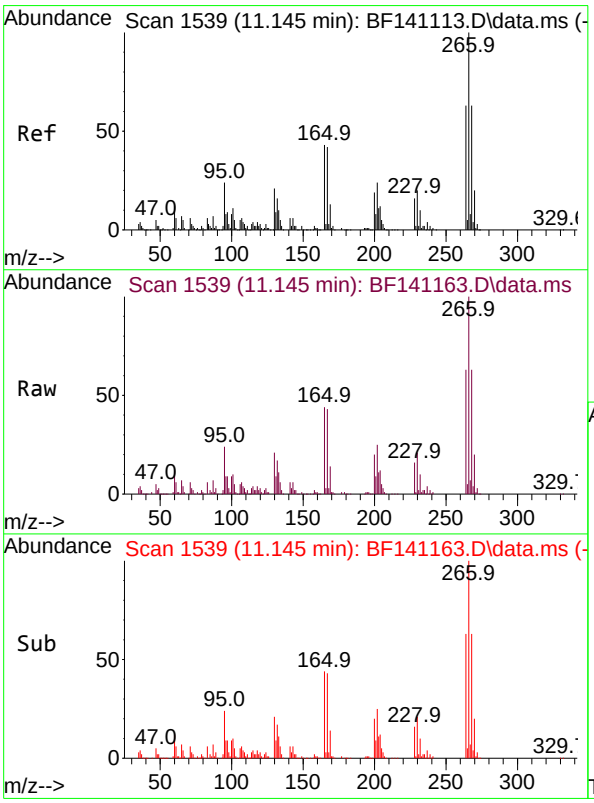

#69
Atrazine
Concen: 32.845 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:200 Resp: 159318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.3 | 5.4 | 45.4 |
| 215 | 46.4 | 26.6 | 66.6 |

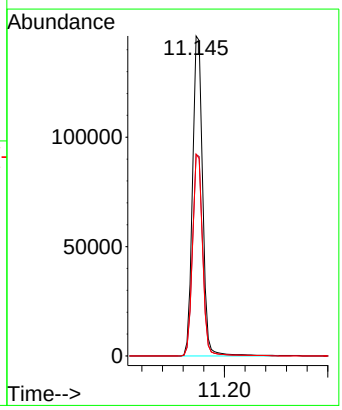


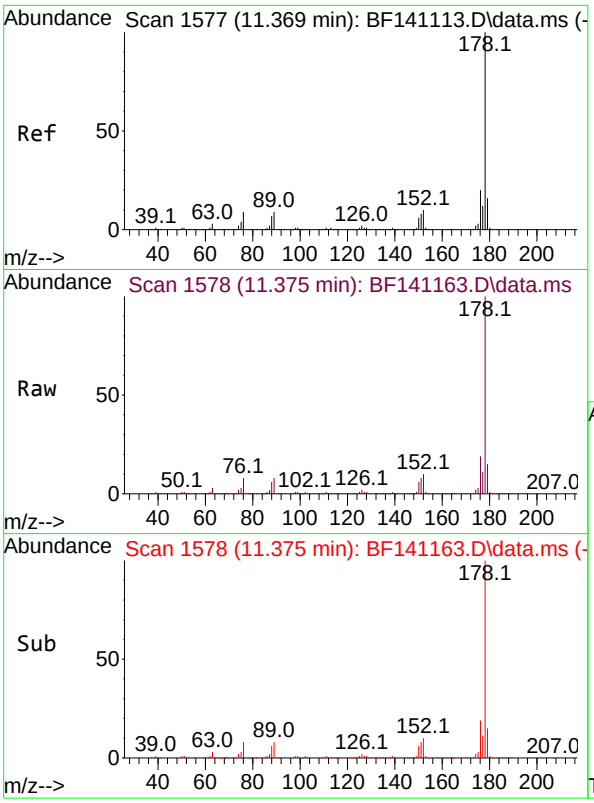




#70
Pentachlorophenol
Concen: 43.371 ng
RT: 11.145 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:266 Resp: 198816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.0 | 50.4 | 75.6 |
| 264 | 63.0 | 50.2 | 75.2 |



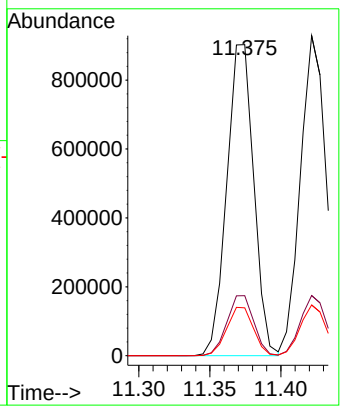


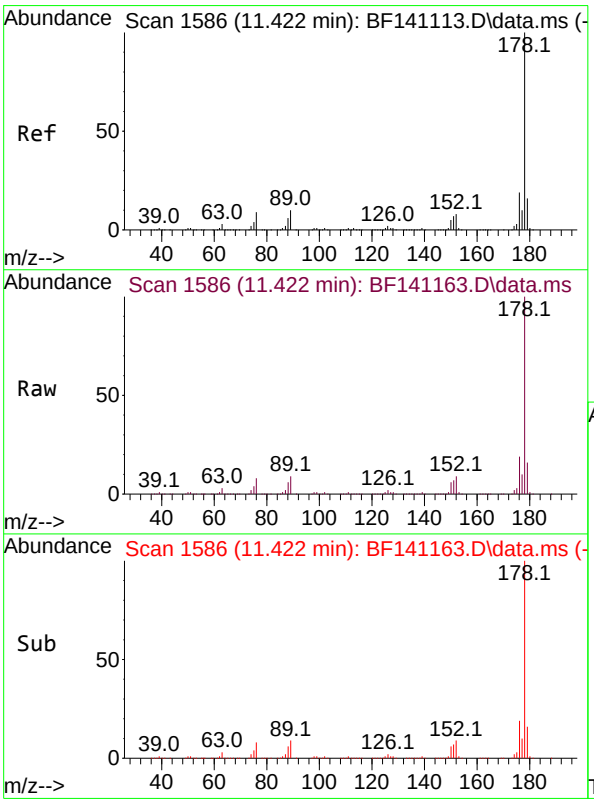

#71
Phenanthrene
Concen: 39.845 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:178 Resp: 1194761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.7 | 23.5 |
| 179 | 15.4 | 12.6 | 19.0 |

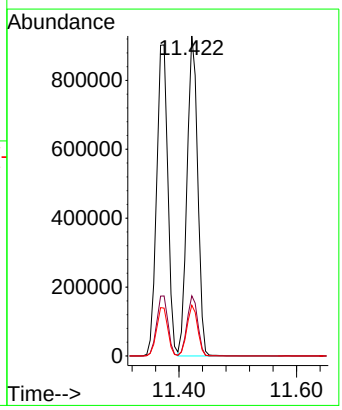


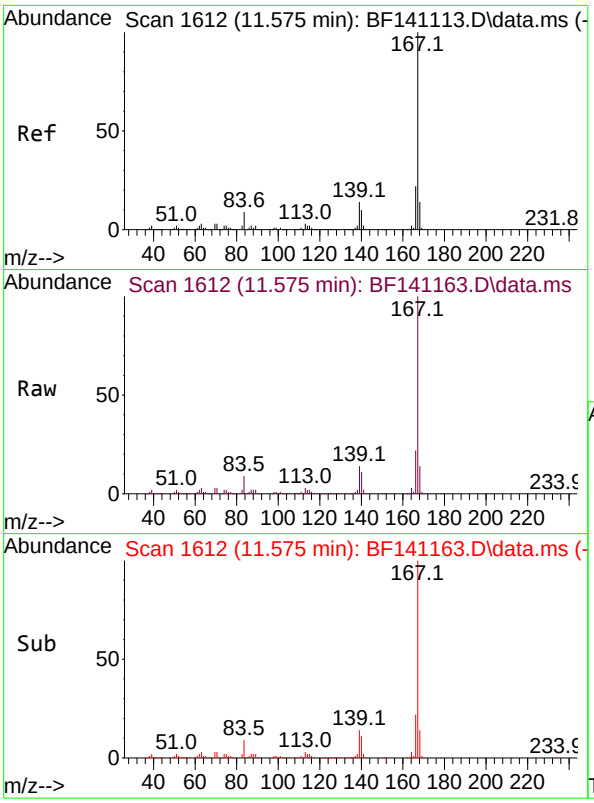




#72
Anthracene
Concen: 39.992 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:178 Resp: 1166005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 14.9 | 22.3 |
| 179 | 15.8 | 12.6 | 19.0 |



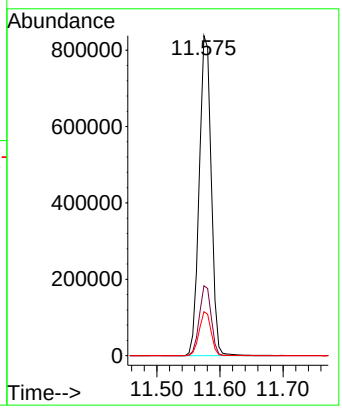


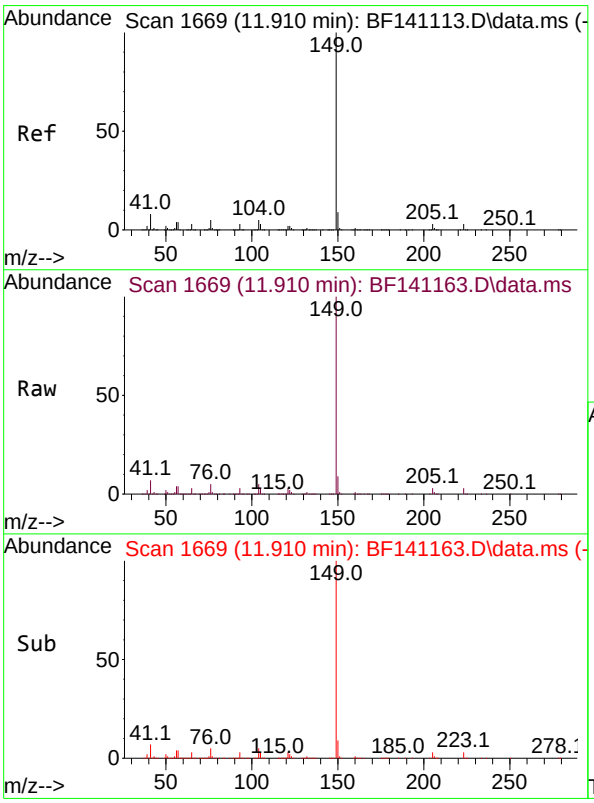

#73
Carbazole
Concen: 41.314 ng
RT: 11.575 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:167 Resp: 1104486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.9 | 17.4 | 26.2 |
| 139 | 13.8 | 10.9 | 16.3 |

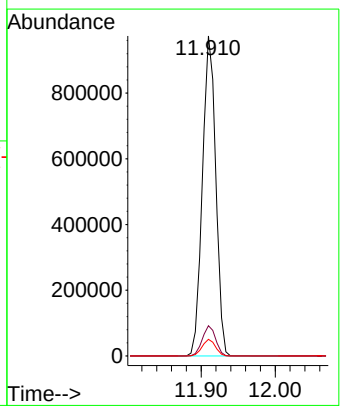


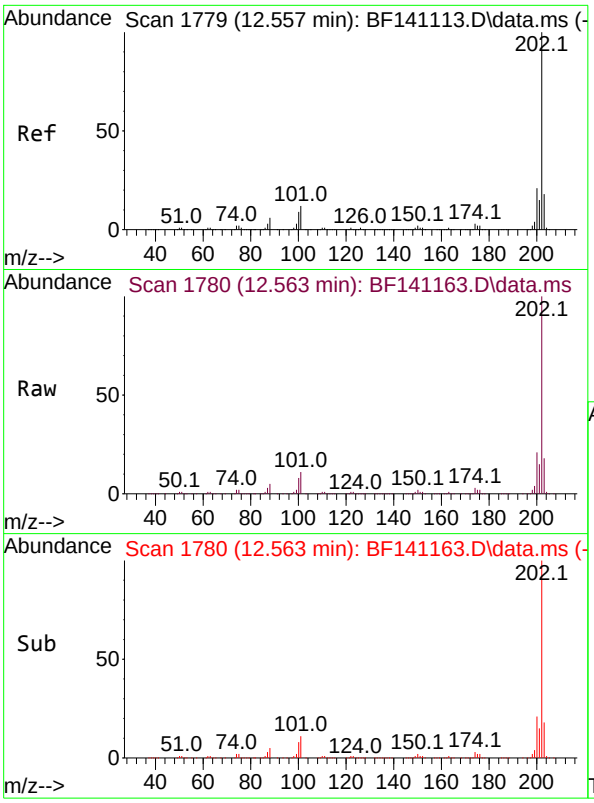




#74
Di-n-butylphthalate
Concen: 39.853 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:149 Resp: 1219294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.5 | 7.4 | 11.2 |
| 104 | 5.2 | 4.2 | 6.2 |



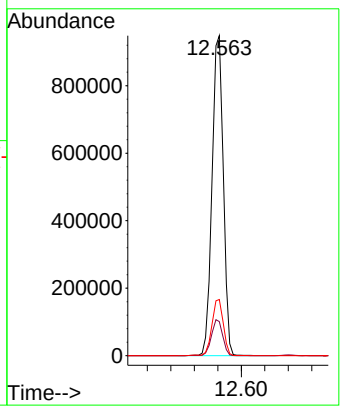


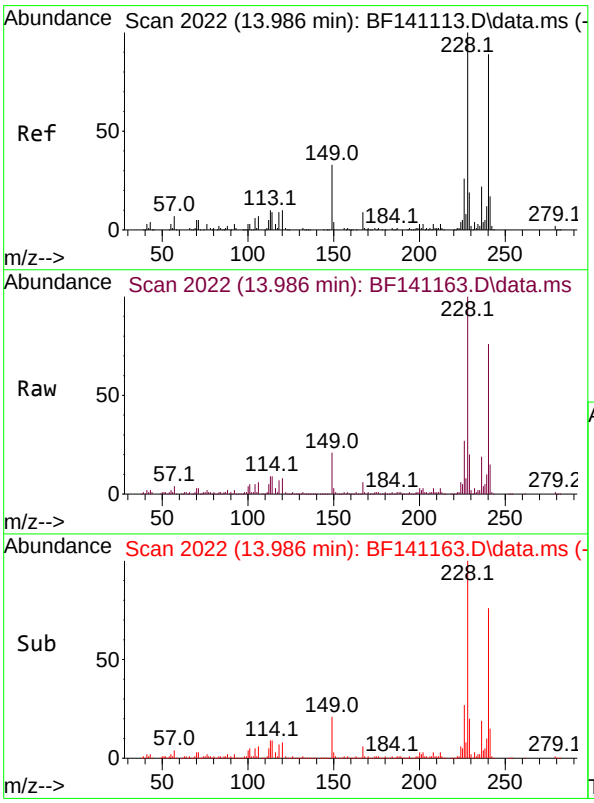

#75
Fluoranthene
Concen: 42.210 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:202 Resp: 1263024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.7 | 0.0 | 32.3 |
| 203 | 17.6 | 0.0 | 37.7 |

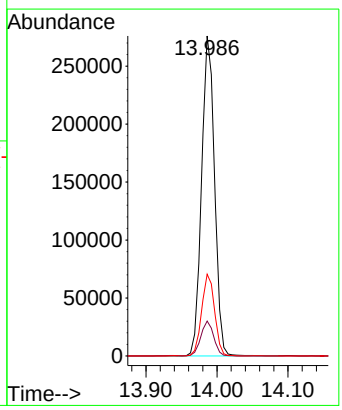


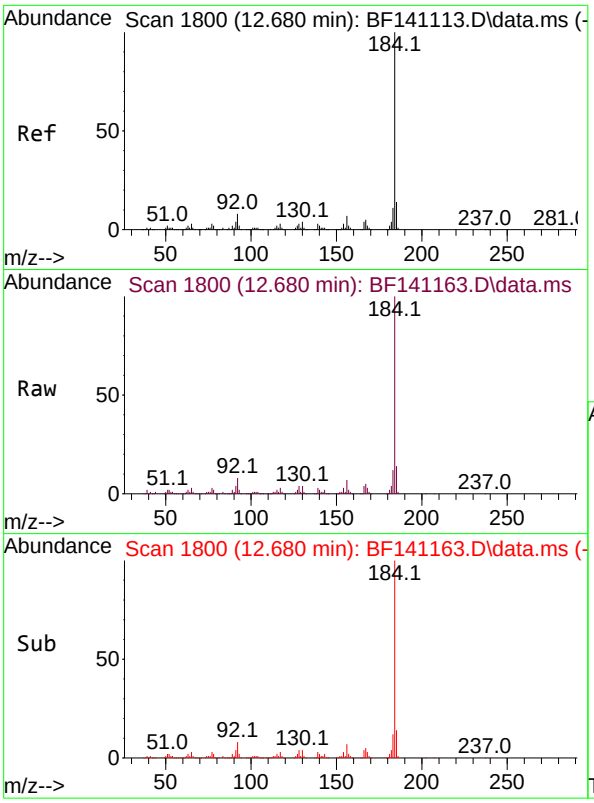




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:240 Resp: 351337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.9 | 9.1 | 13.7 |
| 236 | 25.5 | 19.8 | 29.6 |



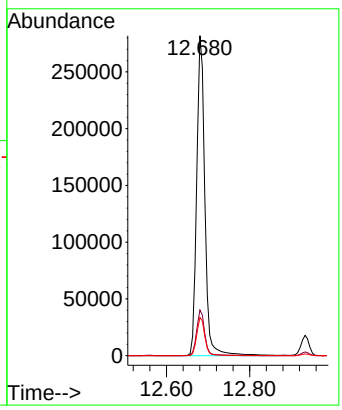


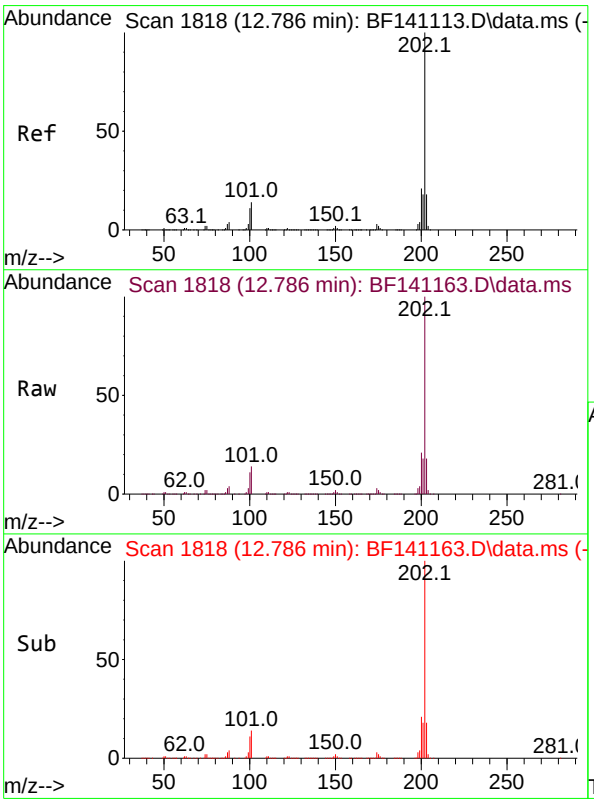

#77
Benzidine
Concen: 59.379 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:184 Resp: 386875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.3 | 11.4 | 17.0 |
| 183 | 12.0 | 9.2 | 13.8 |

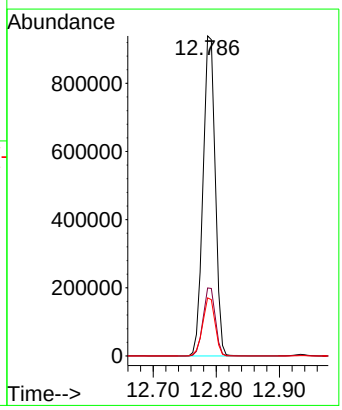


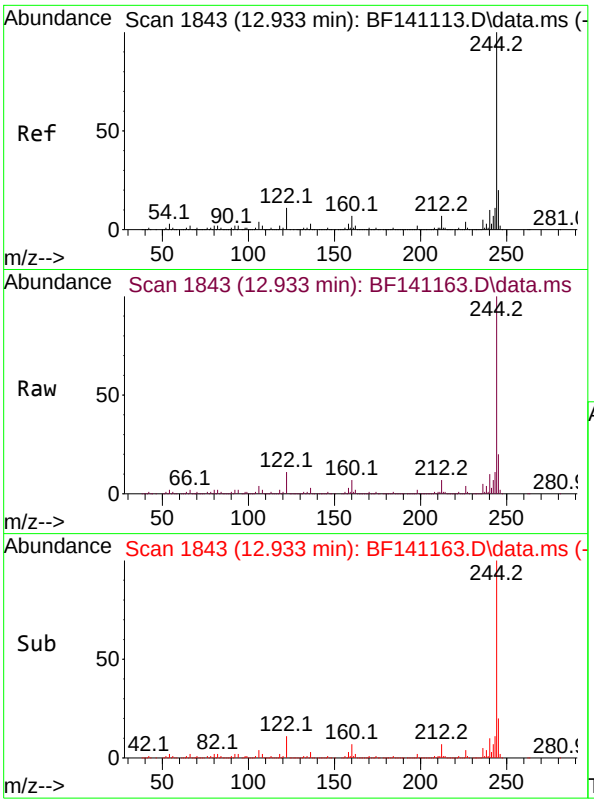




#78
Pyrene
Concen: 37.659 ng
RT: 12.786 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:202 Resp: 1263722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 16.8 | 25.2 |
| 203 | 18.1 | 14.3 | 21.5 |



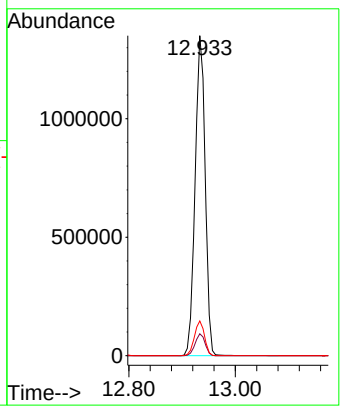


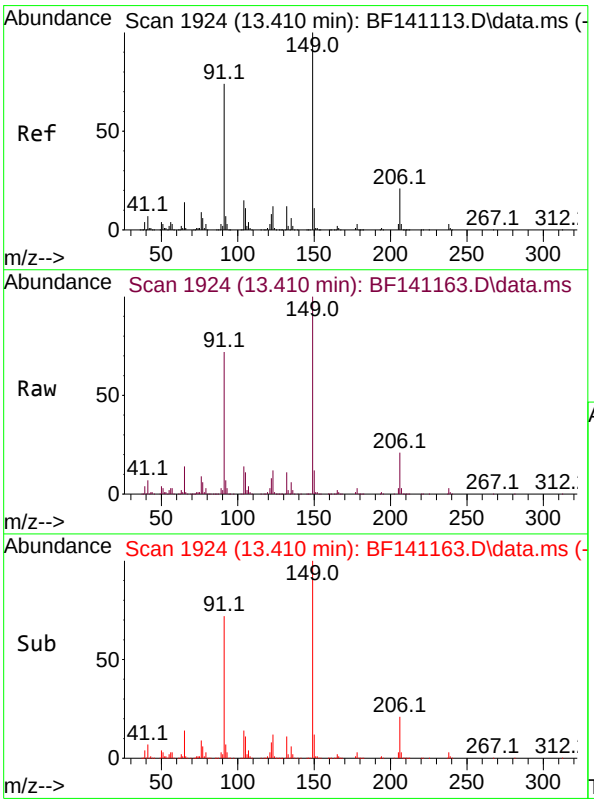

#79
Terphenyl-d14
Concen: 75.282 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:244 Resp: 1779531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.4 | 8.2 |
| 122 | 10.9 | 8.8 | 13.2 |

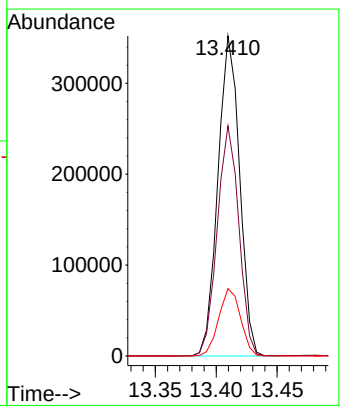


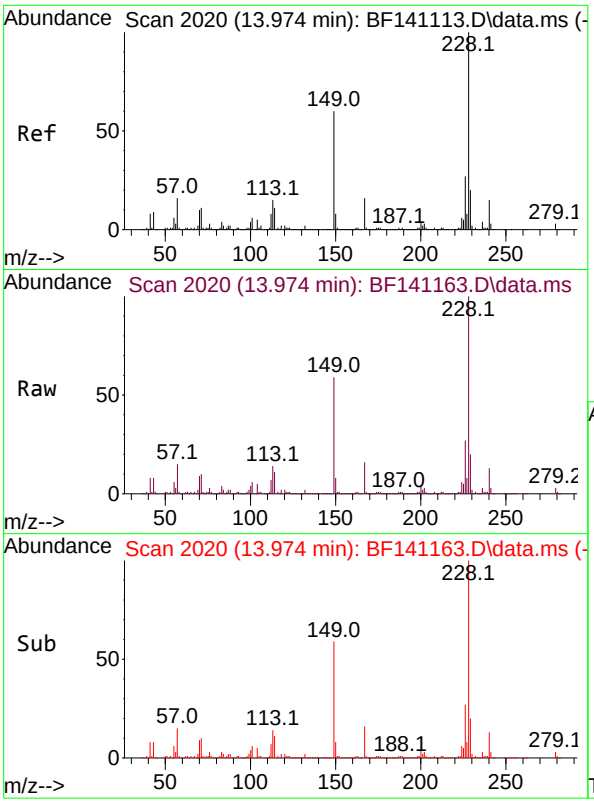




#80
Butylbenzylphthalate
Concen: 39.092 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:149 Resp: 437365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 71.9 | 59.0 | 88.6 |
| 206 | 21.0 | 16.5 | 24.7 |



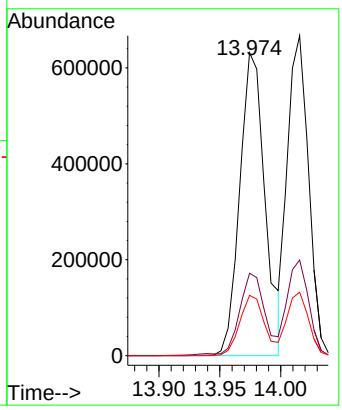


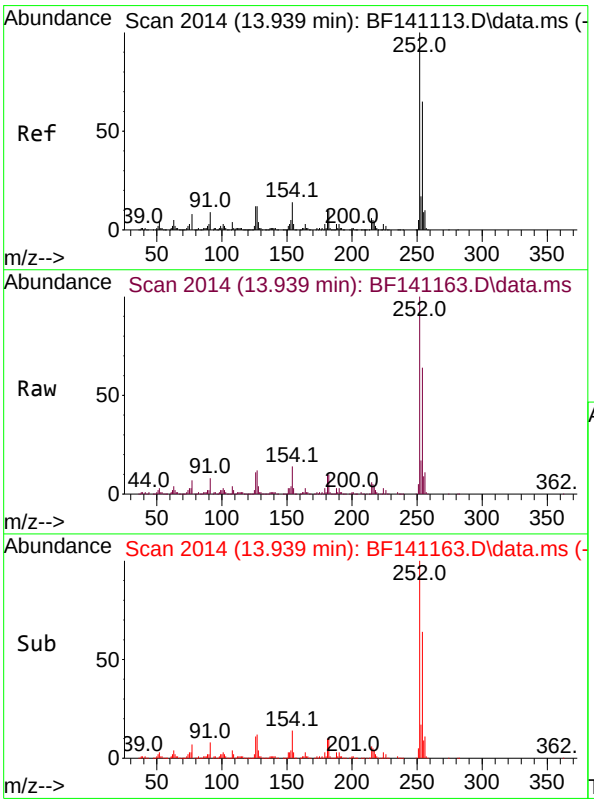

#81
Benzo(a)anthracene
Concen: 38.190 ng
RT: 13.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 913143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.2 | 21.7 | 32.5 |
| 229 | 19.9 | 15.7 | 23.5 |

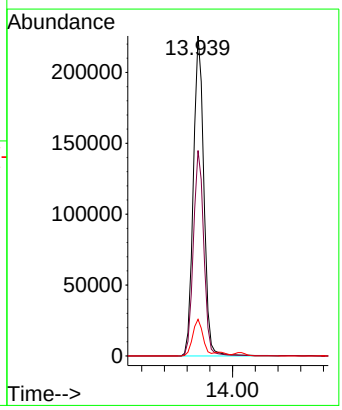


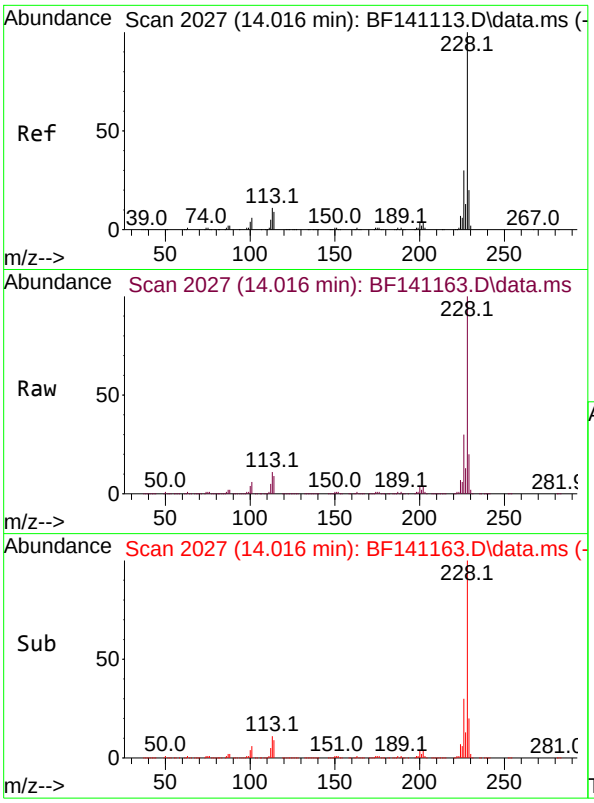




#82
3,3'-Dichlorobenzidine
Concen: 38.305 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:252 Resp: 291638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.2 | 52.0 | 78.0 |
| 126 | 11.5 | 9.4 | 14.0 |



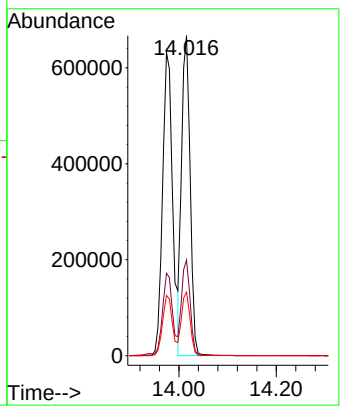


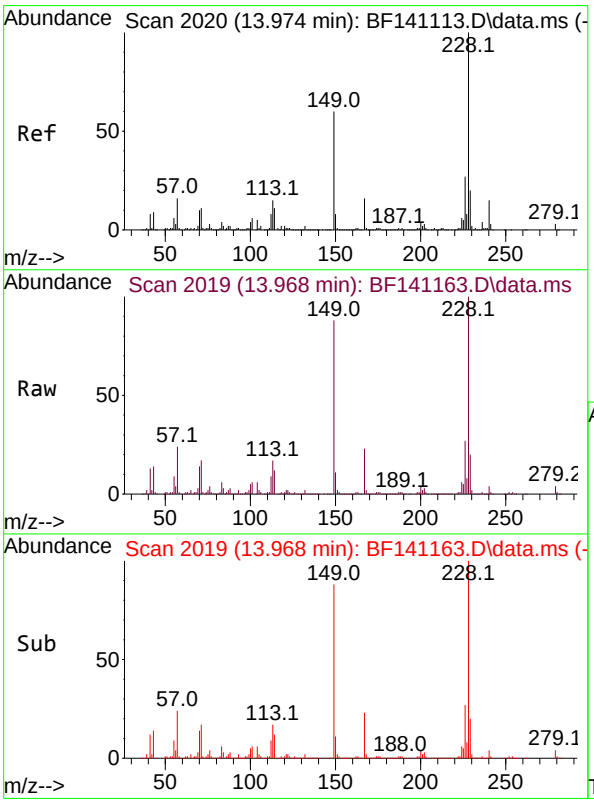

#83
Chrysene
Concen: 36.159 ng
RT: 14.016 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 808989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 23.8 | 35.8 |
| 229 | 19.9 | 15.8 | 23.8 |

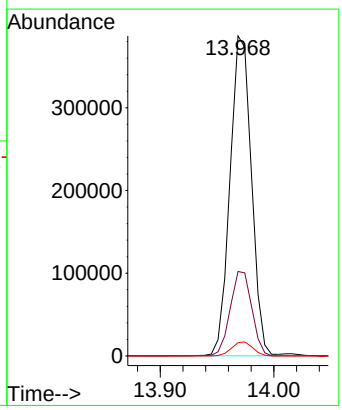


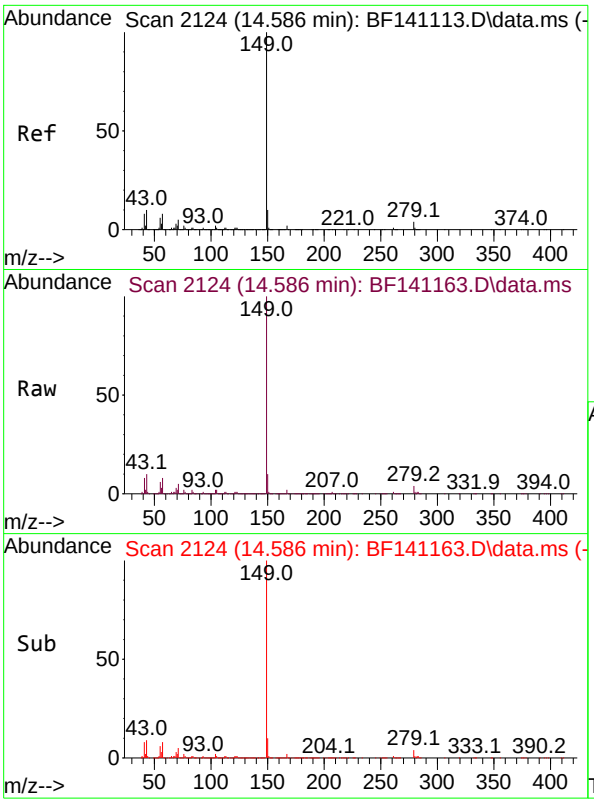




#84
Bis(2-ethylhexyl)phthalate
Concen: 37.710 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:149 Resp: 506229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.4 | 21.4 | 32.2 |
| 279 | 4.1 | 3.4 | 5.2 |



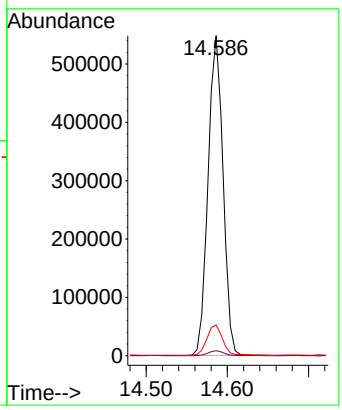


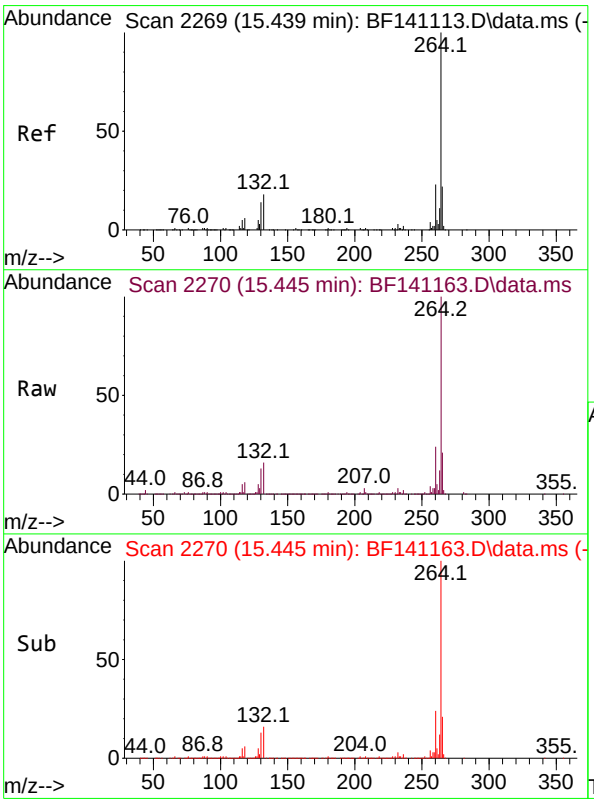

#85
Di-n-octyl phthalate
Concen: 34.562 ng
RT: 14.586 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:149 Resp: 700620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.8 | 8.4 | 12.6 |

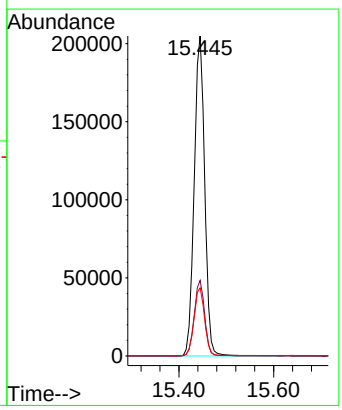


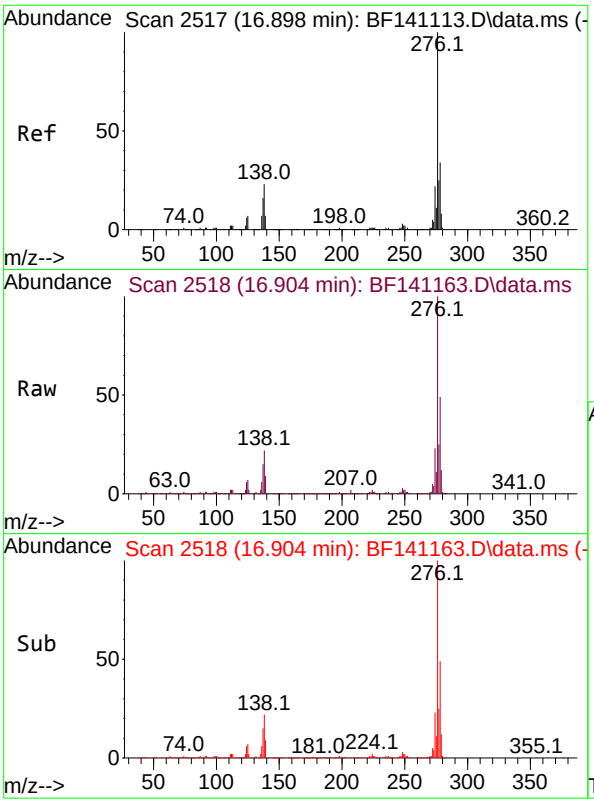




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:264 Resp: 315529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.6 | 28.0 |
| 265 | 21.3 | 17.4 | 26.0 |



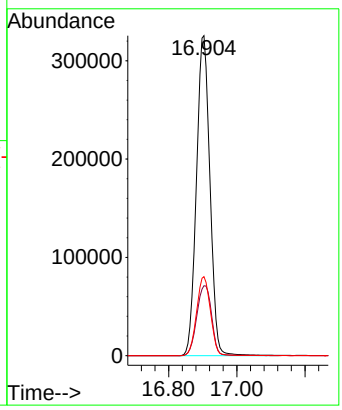


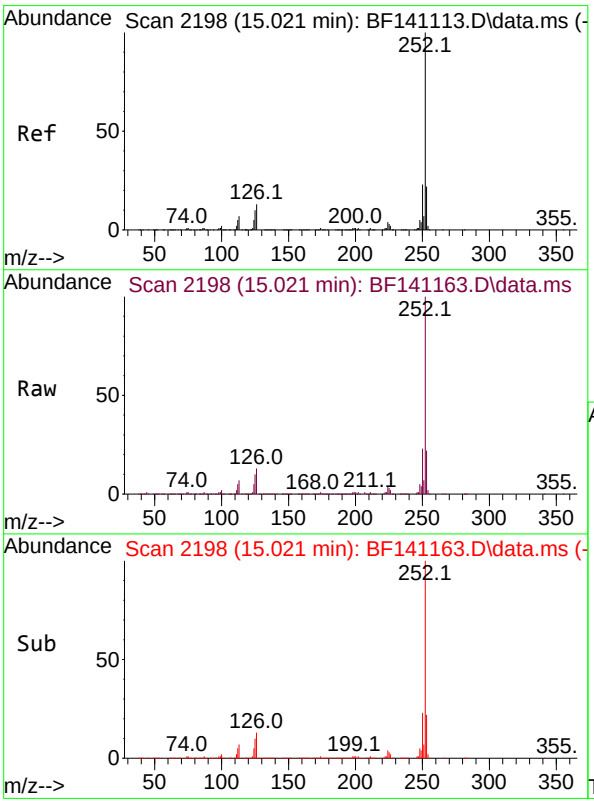

#87
Indeno(1,2,3-cd)pyrene
Concen: 38.725 ng
RT: 16.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:276 Resp: 895194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.0 | 20.7 | 31.1 |
| 277 | 25.3 | 20.6 | 30.8 |

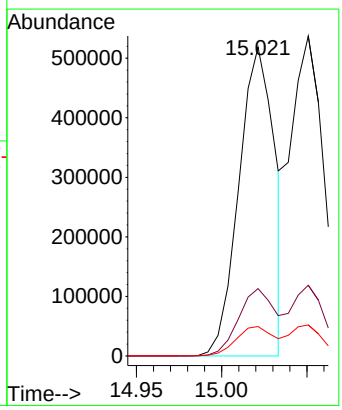


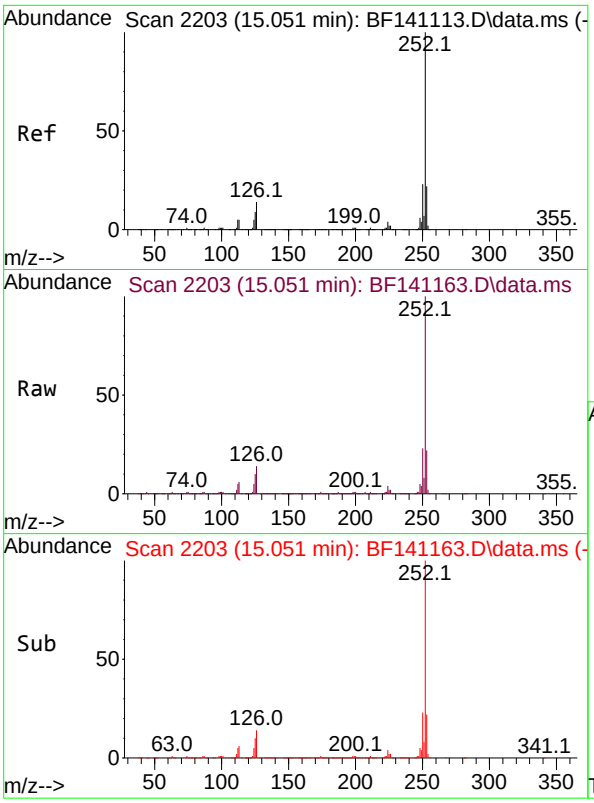




#88
Benzo(b)fluoranthene
Concen: 37.149 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:252 Resp: 755846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.8 | 26.6 |
| 125 | 9.5 | 8.1 | 12.1 |



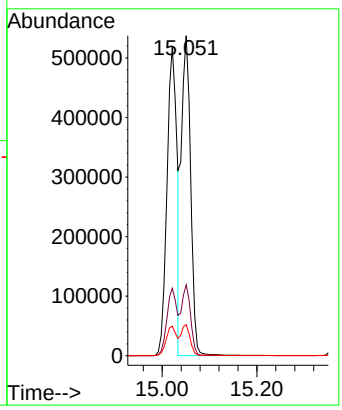


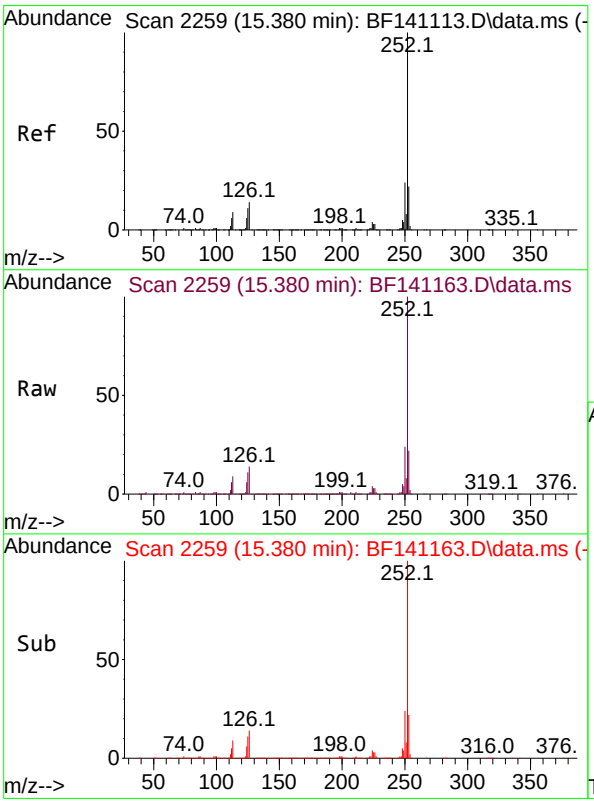

#89
Benzo(k)fluoranthene
Concen: 42.618 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:252 Resp: 732801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.8 | 26.8 |
| 125 | 9.7 | 7.9 | 11.9 |

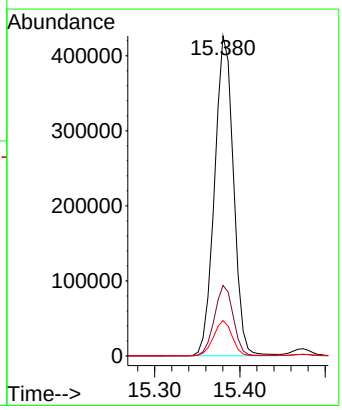


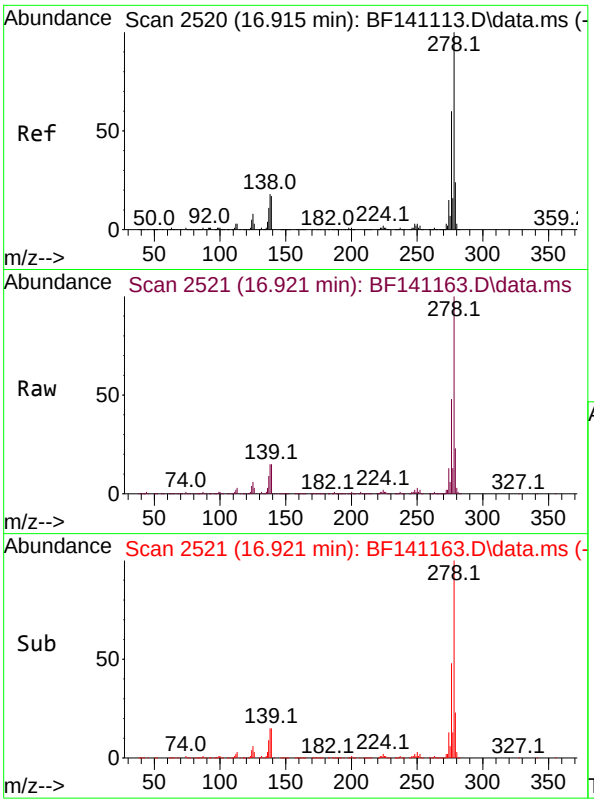




#90
Benzo(a)pyrene
Concen: 39.172 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.000 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:252 Resp: 657568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.7 | 26.5 |
| 125 | 11.1 | 9.1 | 13.7 |



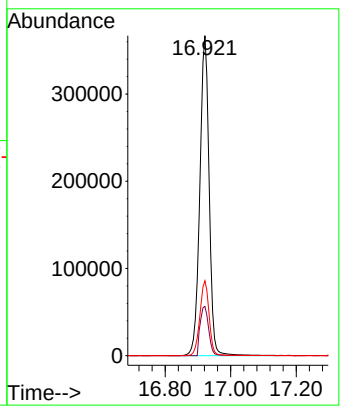


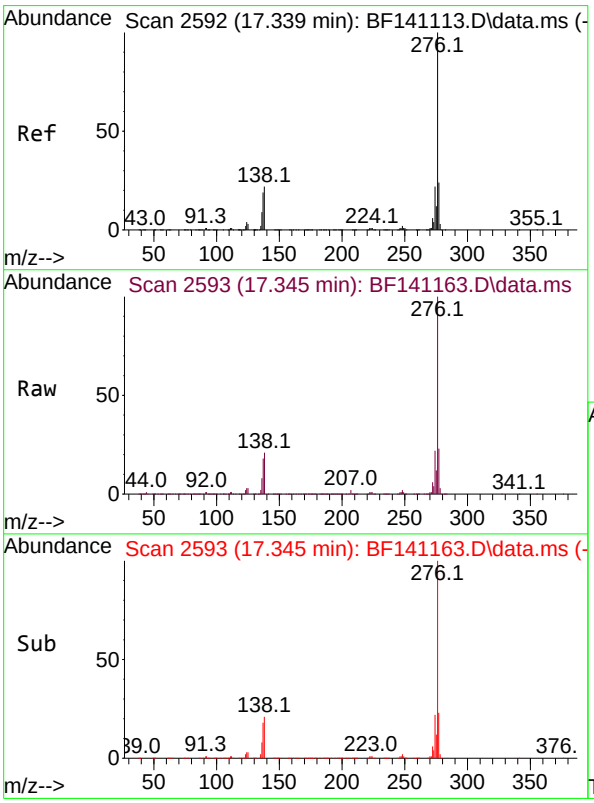

#91
Dibenzo(a,h)anthracene
Concen: 38.838 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:278 Resp: 726146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.4 | 13.8 | 20.6 |
| 279 | 23.4 | 19.1 | 28.7 |

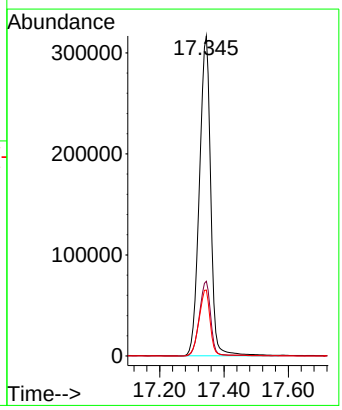



#92
Benzo(g,h,i)perylene
Concen: 39.580 ng
RT: 17.345 min Scan# 2593
Delta R.T. 0.006 min
Lab File: BF141163.D
Acq: 15 Jan 2025 09:34

Tgt Ion:276 Resp: 769728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.4 | 19.0 | 28.4 |
| 138 | 20.6 | 17.4 | 26.2 |



Sample Results: **BF141163.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141163.D
Acq On : 15 Jan 2025 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jan 15 10:12:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 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 | 90 | 0.00 |
| 2 | | 1,4-Dioxane | 0.577 | 0.535 | 7.3 | 85 | 0.00 |
| 3 | | Pyridine | 1.414 | 1.322 | 6.5 | 87 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.691 | 0.663 | 4.1 | 88 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.295 | 1.263 | 2.5 | 91 | 0.00 |
| 6 | | Aniline | 1.456 | 1.367 | 6.1 | 86 | 0.00 |
| 7 | S | Phenol-d6 | 1.640 | 1.570 | 4.3 | 90 | 0.00 |
| 8 | | 2-Chlorophenol | 1.389 | 1.347 | 3.0 | 90 | 0.00 |
| 9 | | Benzaldehyde | 0.966 | 0.866 | 10.4 | 92 | 0.00 |
| 10 | C | Phenol | 1.756 | 1.667 | 5.1 | 88 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.308 | 1.229 | 6.0 | 88 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.549 | 1.497 | 3.4 | 91 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.561 | 1.517 | 2.8 | 91 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.456 | 1.415 | 2.8 | 92 | 0.00 |
| 15 | | Benzyl Alcohol | 1.184 | 1.160 | 2.0 | 90 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.826 | 1.648 | 9.7 | 84 | 0.00 |
| 17 | | 2-Methylphenol | 1.121 | 1.090 | 2.8 | 90 | 0.00 |
| 18 | | Hexachloroethane | 0.565 | 0.551 | 2.5 | 90 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.966 | 0.881 | 8.8 | 87 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.415 | 1.349 | 4.7 | 88 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 22 | | Acetophenone | 0.475 | 0.457 | 3.8 | 92 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.377 | 0.370 | 1.9 | 90 | 0.00 |
| 24 | | Nitrobenzene | 0.393 | 0.385 | 2.0 | 91 | 0.00 |
| 25 | | Isophorone | 0.645 | 0.612 | 5.1 | 89 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.179 | 0.184 | -2.8 | 92 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.241 | 0.232 | 3.7 | 88 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.405 | 0.380 | 6.2 | 88 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.287 | 0.284 | 1.0 | 91 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.328 | 0.317 | 3.4 | 90 | 0.00 |
| 31 | | Naphthalene | 1.055 | 1.026 | 2.7 | 92 | 0.00 |
| 32 | | Benzoic acid | 0.231 | 0.241 | -4.3 | 91 | 0.01 |
| 33 | | 4-Chloroaniline | 0.365 | 0.344 | 5.8 | 89 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.197 | 0.196 | 0.5 | 93 | 0.00 |
| 35 | | Caprolactam | 0.094 | 0.092 | 2.1 | 90 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.313 | 0.306 | 2.2 | 91 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.672 | 0.639 | 4.9 | 90 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.662 | 0.629 | 5.0 | 90 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.574 | 0.557 | 3.0 | 91 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.188 | 0.199 | -5.9 | 91 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.228 | 0.234 | -2.6 | 97 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.387 | 0.370 | 4.4 | 89 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.409 | 0.404 | 1.2 | 92 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.310 | 1.231 | 6.0 | 91 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.553 | 1.467 | 5.5 | 90 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.210 | 1.166 | 3.6 | 91 | 0.00 |

Sample Results: **BF141163.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141163.D
Acq On : 15 Jan 2025 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jan 15 10:12:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 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 | 0.359 | 0.353 | 1.7 | 92 | 0.00 |
| 49 | | Acenaphthylene | 1.728 | 1.651 | 4.5 | 90 | 0.00 |
| 50 | | Dimethylphthalate | 1.343 | 1.288 | 4.1 | 90 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.312 | 0.308 | 1.3 | 90 | 0.00 |
| 52 | C | Acenaphthene | 1.208 | 1.176 | 2.6 | 92 | 0.00 |
| 53 | | 3-Nitroaniline | 0.317 | 0.324 | -2.2 | 93 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.148 | 0.159 | -7.4 | 93 | 0.00 |
| 55 | | Dibenzofuran | 1.642 | 1.566 | 4.6 | 90 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.248 | 0.265 | -6.9 | 97 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.402 | 0.413 | -2.7 | 95 | 0.00 |
| 58 | | Fluorene | 1.276 | 1.223 | 4.2 | 93 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.340 | 0.329 | 3.2 | 90 | 0.00 |
| 60 | | Diethylphthalate | 1.311 | 1.242 | 5.3 | 90 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.622 | 0.595 | 4.3 | 91 | 0.00 |
| 62 | | 4-Nitroaniline | 0.311 | 0.328 | -5.5 | 99 | 0.00 |
| 63 | | Azobenzene | 1.293 | 1.220 | 5.6 | 89 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.116 | 0.131 | -12.9 | 96 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.645 | 0.629 | 2.5 | 92 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.230 | 0.229 | 0.4 | 94 | 0.00 |
| 68 | | Hexachlorobenzene | 0.256 | 0.257 | -0.4 | 95 | 0.00 |
| 69 | | Atrazine | 0.174 | 0.143 | 17.8 | 96 | 0.00 |
| 70 | C | Pentachlorophenol | 0.164 | 0.178 | -8.5 | 97 | 0.00 |
| 71 | | Phenanthrene | 1.074 | 1.070 | 0.4 | 95 | 0.00 |
| 72 | | Anthracene | 1.044 | 1.044 | 0.0 | 95 | 0.00 |
| 73 | | Carbazole | 0.957 | 0.989 | -3.3 | 99 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.096 | 1.092 | 0.4 | 95 | 0.00 |
| 75 | C | Fluoranthene | 1.071 | 1.131 | -5.6 | 103 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 77 | | Benzidine | 0.371 | 0.551 | -48.5# | 144 | 0.00 |
| 78 | | Pyrene | 1.910 | 1.798 | 5.9 | 104 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.346 | 1.266 | 5.9 | 107 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.637 | 0.622 | 2.4 | 109 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.361 | 1.300 | 4.5 | 112 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.433 | 0.415 | 4.2 | 106 | 0.00 |
| 83 | | Chrysene | 1.274 | 1.151 | 9.7 | 102 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.764 | 0.720 | 5.8 | 106 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.154 | 0.997 | 13.6 | 93 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.465 | 1.419 | 3.1 | 85 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.290 | 1.198 | 7.1 | 88 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.090 | 1.161 | -6.5 | 99 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.064 | 1.042 | 2.1 | 89 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.185 | 1.151 | 2.9 | 85 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.233 | 1.220 | 1.1 | 86 | 0.00 |

Sample Results: **BF141163.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141163.D
Acq On : 15 Jan 2025 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jan 15 10:12:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 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: **BF141163.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141163.D
Acq On : 15 Jan 2025 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jan 15 10:12:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 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 | 90 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.150 | 7.1 | 85 | 0.00 |
| 3 | | Pyridine | 40.000 | 37.406 | 6.5 | 87 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.368 | 4.1 | 88 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 78.021 | 2.5 | 91 | 0.00 |
| 6 | | Aniline | 40.000 | 37.567 | 6.1 | 86 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 76.593 | 4.3 | 90 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.789 | 3.0 | 90 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 35.852 | 10.4 | 92 | 0.00 |
| 10 | C | Phenol | 40.000 | 37.973 | 5.1 | 88 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.589 | 6.0 | 88 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.642 | 3.4 | 91 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.868 | 2.8 | 91 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.854 | 2.9 | 92 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.172 | 2.1 | 90 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.110 | 9.7 | 84 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 38.886 | 2.8 | 90 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.034 | 2.4 | 90 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 36.484 | 8.8 | 87 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.141 | 4.6 | 88 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 89 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.408 | 4.0 | 92 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.379 | 2.0 | 90 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.172 | 2.1 | 91 | 0.00 |
| 25 | | Isophorone | 40.000 | 37.942 | 5.1 | 89 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.256 | -3.1 | 92 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.423 | 3.9 | 88 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.538 | 6.2 | 88 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.621 | 0.9 | 91 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.734 | 3.2 | 90 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.895 | 2.8 | 92 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 41.720 | -4.3 | 91 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 37.746 | 5.6 | 89 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.630 | 0.9 | 93 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.209 | 2.0 | 90 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.099 | 2.3 | 91 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.042 | 4.9 | 90 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.000 | 5.0 | 90 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 91 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.818 | 3.0 | 91 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 42.390 | -6.0 | 91 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 82.077 | -2.6 | 97 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 38.255 | 4.4 | 89 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 39.496 | 1.3 | 92 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 75.172 | 6.0 | 91 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 37.790 | 5.5 | 90 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 38.547 | 3.6 | 91 | 0.00 |

Sample Results: **BF141163.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141163.D
Acq On : 15 Jan 2025 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jan 15 10:12:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 39.382 | 1.5 | 92 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 38.201 | 4.5 | 90 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 38.362 | 4.1 | 90 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 39.398 | 1.5 | 90 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 38.964 | 2.6 | 92 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 40.799 | -2.0 | 93 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 42.819 | -7.0 | 93 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 38.134 | 4.7 | 90 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 42.735 | -6.8 | 97 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.019 | -2.5 | 95 | 0.00 |
| 58 | | Fluorene | 40.000 | 38.346 | 4.1 | 93 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.675 | 3.3 | 90 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 37.898 | 5.3 | 90 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 38.245 | 4.4 | 91 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 42.253 | -5.6 | 99 | 0.00 |
| 63 | | Azobenzene | 40.000 | 37.723 | 5.7 | 89 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 95 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 45.236 | -13.1 | 96 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 38.976 | 2.6 | 92 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 39.828 | 0.4 | 94 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 40.133 | -0.3 | 95 | 0.00 |
| 69 | | Atrazine | 40.000 | 32.845 | 17.9 | 96 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 43.371 | -8.4 | 97 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 39.845 | 0.4 | 95 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.992 | 0.0 | 95 | 0.00 |
| 73 | | Carbazole | 40.000 | 41.314 | -3.3 | 99 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 39.853 | 0.4 | 95 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 42.210 | -5.5 | 103 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 107 | 0.00 |
| 77 | | Benzidine | 40.000 | 59.379 | -48.4# | 144 | 0.00 |
| 78 | | Pyrene | 40.000 | 37.659 | 5.9 | 104 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 75.282 | 5.9 | 107 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 39.092 | 2.3 | 109 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 38.190 | 4.5 | 112 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 38.305 | 4.2 | 106 | 0.00 |
| 83 | | Chrysene | 40.000 | 36.159 | 9.6 | 102 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 37.710 | 5.7 | 106 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 34.562 | 13.6 | 93 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 89 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.725 | 3.2 | 85 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 37.149 | 7.1 | 88 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 42.618 | -6.5 | 99 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 39.172 | 2.1 | 89 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 38.838 | 2.9 | 85 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 39.580 | 1.1 | 86 | 0.00 |

Sample Results: **BF141163.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141163.D
Acq On : 15 Jan 2025 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jan 15 10:12:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 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: **BF141177.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: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG No.: Q1069

Instrument ID: BNA_F Calibration Date/Time: 01/15/2025 17:10

Lab File ID: BF141177.D Init. Calib. Date(s): 01/10/2025 01/10/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:58 17:45

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.295 | 1.226 | | -5.3 | 50.0 |
| Benzaldehyde | 0.966 | 0.898 | | -7.0 | 50.0 |
| Phenol-d6 | 1.640 | 1.520 | | -7.3 | 50.0 |
| Phenol | 1.756 | 1.619 | | -7.8 | 50.0 |
| bis(2-Chloroethyl)ether | 1.308 | 1.235 | | -5.6 | 50.0 |
| 2-Chlorophenol | 1.389 | 1.328 | | -4.4 | 50.0 |
| 2-Methylphenol | 1.121 | 1.056 | | -5.8 | 50.0 |
| 2,2-oxybis(1-Chloropropane) | 1.826 | 1.658 | | -9.2 | 50.0 |
| Acetophenone | 0.475 | 0.447 | | -5.9 | 50.0 |
| 3+4-Methylphenols | 1.415 | 1.324 | | -6.4 | 50.0 |
| n-Nitroso-di-n-propylamine | 0.966 | 0.896 | 0.050 | -7.2 | 50.0 |
| Nitrobenzene-d5 | 0.377 | 0.364 | | -3.4 | 50.0 |
| Hexachloroethane | 0.565 | 0.550 | | -2.7 | 50.0 |
| Nitrobenzene | 0.393 | 0.375 | | -4.6 | 50.0 |
| Isophorone | 0.645 | 0.606 | | -6.0 | 50.0 |
| 2-Nitrophenol | 0.179 | 0.182 | | 1.7 | 50.0 |
| 2,4-Dimethylphenol | 0.241 | 0.227 | | -5.8 | 50.0 |
| bis(2-Chloroethoxy)methane | 0.405 | 0.383 | | -5.4 | 50.0 |
| 2,4-Dichlorophenol | 0.287 | 0.279 | | -2.8 | 50.0 |
| Naphthalene | 1.055 | 1.004 | | -4.8 | 50.0 |
| 4-Chloroaniline | 0.365 | 0.313 | | -14.2 | 50.0 |
| Hexachlorobutadiene | 0.197 | 0.199 | | 1.0 | 50.0 |
| Caprolactam | 0.094 | 0.085 | | -9.6 | 50.0 |
| 4-Chloro-3-methylphenol | 0.313 | 0.296 | | -5.4 | 50.0 |
| 2-Methylnaphthalene | 0.672 | 0.642 | | -4.5 | 50.0 |
| Hexachlorocyclopentadiene | 0.188 | 0.208 | 0.050 | 10.6 | 50.0 |
| 2,4,6-Trichlorophenol | 0.387 | 0.392 | | 1.3 | 50.0 |
| 2-Fluorobiphenyl | 1.310 | 1.277 | | -2.5 | 50.0 |
| 2,4,5-Trichlorophenol | 0.409 | 0.389 | | -4.9 | 50.0 |
| 1,1-Biphenyl | 1.553 | 1.513 | | -2.6 | 50.0 |
| 2-Chloronaphthalene | 1.210 | 1.171 | | -3.2 | 50.0 |
| 2-Nitroaniline | 0.359 | 0.342 | | -4.7 | 50.0 |
| Dimethylphthalate | 1.343 | 1.285 | | -4.3 | 50.0 |
| Acenaphthylene | 1.728 | 1.643 | | -4.9 | 50.0 |
| 2,6-Dinitrotoluene | 0.312 | 0.301 | | -3.5 | 50.0 |
| 3-Nitroaniline | 0.317 | 0.301 | | -5.0 | 50.0 |
| Acenaphthene | 1.208 | 1.172 | | -3.0 | 50.0 |
| 2,4-Dinitrophenol | 0.148 | 0.154 | 0.050 | 4.1 | 50.0 |
| 4-Nitrophenol | 0.248 | 0.232 | 0.050 | -6.5 | 50.0 |

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG No.: Q1069

Instrument ID: BNA_F Calibration Date/Time: 01/15/2025 17:10

Lab File ID: BF141177.D Init. Calib. Date(s): 01/10/2025 01/10/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:58 17:45

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dibenzofuran | 1.642 | 1.553 | | -5.4 | 50.0 |
| 2,4-Dinitrotoluene | 0.402 | 0.390 | | -3.0 | 50.0 |
| Diethylphthalate | 1.311 | 1.242 | | -5.3 | 50.0 |
| 4-Chlorophenyl-phenylether | 0.622 | 0.601 | | -3.4 | 50.0 |
| Fluorene | 1.276 | 1.200 | | -6.0 | 50.0 |
| 4-Nitroaniline | 0.311 | 0.284 | | -8.7 | 50.0 |
| 4,6-Dinitro-2-methylphenol | 0.116 | 0.131 | | 12.9 | 50.0 |
| n-Nitrosodiphenylamine | 0.645 | 0.660 | | 2.3 | 50.0 |
| 2,4,6-Tribromophenol | 0.228 | 0.223 | | -2.2 | 50.0 |
| 4-Bromophenyl-phenylether | 0.230 | 0.242 | | 5.2 | 50.0 |
| Hexachlorobenzene | 0.256 | 0.266 | | 3.9 | 50.0 |
| Atrazine | 0.174 | 0.141 | | -19.0 | 50.0 |
| Pentachlorophenol | 0.164 | 0.171 | | 4.3 | 50.0 |
| Phenanthrene | 1.074 | 1.061 | | -1.2 | 50.0 |
| Anthracene | 1.044 | 1.038 | | -0.6 | 50.0 |
| Carbazole | 0.957 | 0.930 | | -2.8 | 50.0 |
| Di-n-butylphthalate | 1.096 | 1.104 | | 0.7 | 50.0 |
| Fluoranthene | 1.071 | 1.005 | | -6.2 | 50.0 |
| Pyrene | 1.910 | 1.715 | | -10.2 | 50.0 |
| Terphenyl-d14 | 1.346 | 1.235 | | -8.2 | 50.0 |
| Butylbenzylphthalate | 0.637 | 0.602 | | -5.5 | 50.0 |
| 3,3-Dichlorobenzidine | 0.433 | 0.437 | | 0.9 | 50.0 |
| Benzo(a)anthracene | 1.361 | 1.281 | | -5.9 | 50.0 |
| Chrysene | 1.274 | 1.141 | | -10.4 | 50.0 |
| Bis(2-ethylhexyl)phthalate | 0.764 | 0.750 | | -1.8 | 50.0 |
| Di-n-octyl phthalate | 1.154 | 1.233 | | 6.8 | 50.0 |
| Benzo(b)fluoranthene | 1.290 | 1.133 | | -12.2 | 50.0 |
| Benzo(k)fluoranthene | 1.090 | 1.067 | | -2.1 | 50.0 |
| Benzo(a)pyrene | 1.064 | 1.016 | | -4.5 | 50.0 |
| Indeno(1,2,3-cd)pyrene | 1.465 | 1.497 | | 2.2 | 50.0 |
| Dibenzo(a,h)anthracene | 1.185 | 1.222 | | 3.1 | 50.0 |
| Benzo(g,h,i)perylene | 1.233 | 1.275 | | 3.4 | 50.0 |
| 1,2,4,5-Tetrachlorobenzene | 0.574 | 0.580 | | 1.0 | 50.0 |
| 1,4-Dioxane | 0.577 | 0.509 | | -11.8 | 50.0 |
| 2,3,4,6-Tetrachlorophenol | 0.340 | 0.315 | | -7.4 | 50.0 |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141177.D
Acq On : 15 Jan 2025 17:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Quant Time: Jan 15 17:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 155483 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 596867 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.863 | 164 | 306781 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 475484 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.986 | 240 | 274637 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.457 | 264 | 314579 | 20.000 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.428 | 112 | 762731 | 75.781 | ng | | 0.00 |
| 7) Phenol-d6 | 6.451 | 99 | 945090 | 74.129 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.387 | 82 | 869674 | 77.237 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.651 | 330 | 273830 | 78.336 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.181 | 172 | 1567171 | 78.008 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 1356978 | 73.438 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.528 | 88 | 158233 | 35.304 | ng | | 99 |
| 3) Pyridine | 3.269 | 79 | 392798 | 35.738 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.216 | 42 | 193619 | 36.028 | ng | | 99 |
| 6) Aniline | 6.487 | 93 | 397866 | 35.149 | ng | | 99 |
| 8) 2-Chlorophenol | 6.604 | 128 | 412894 | 38.237 | ng | | 99 |
| 9) Benzaldehyde | 6.375 | 77 | 279148 | 37.175 | ng | | 97 |
| 10) Phenol | 6.463 | 94 | 503433 | 36.888 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.557 | 93 | 384104 | 37.765 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.763 | 146 | 463888 | 38.517 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.840 | 146 | 463443 | 38.186 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.993 | 146 | 433703 | 38.310 | ng | | 98 |
| 15) Benzyl Alcohol | 6.963 | 79 | 353797 | 38.426 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098 | 45 | 515552 | 36.324 | ng | | 98 |
| 17) 2-Methylphenol | 7.075 | 107 | 328264 | 37.654 | ng | | 100 |
| 18) Hexachloroethane | 7.334 | 117 | 170928 | 38.946 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.234 | 70 | 278516 | 37.085 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.228 | 107 | 411727 | 37.434 | ng | # | 85 |
| 22) Acetophenone | 7.234 | 105 | 533290 | 37.585 | ng | | 98 |
| 24) Nitrobenzene | 7.404 | 77 | 448135 | 38.187 | ng | | 100 |
| 25) Isophorone | 7.645 | 82 | 723242 | 37.586 | ng | | 99 |
| 26) 2-Nitrophenol | 7.722 | 139 | 216906 | 40.633 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.757 | 122 | 271568 | 37.716 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.857 | 93 | 457717 | 37.902 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.963 | 162 | 333142 | 38.956 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 381430 | 39.022 | ng | | 100 |
| 31) Naphthalene | 8.128 | 128 | 1198220 | 38.067 | ng | | 100 |
| 32) Benzoic acid | 7.863 | 122 | 280944 | 40.674 | ng | | 98 |
| 33) 4-Chloroaniline | 8.175 | 127 | 373182 | 34.282 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 237661 | 40.351 | ng | | 99 |
| 35) Caprolactam | 8.545 | 113 | 101897 | 36.395 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.651 | 107 | 353744 | 37.823 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 766427 | 38.211 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 740167 | 37.443 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.987 | 216 | 355979 | 40.428 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 127706 | 44.331 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 240779 | 40.545 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141177.D
Acq On : 15 Jan 2025 17:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Quant Time: Jan 15 17:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

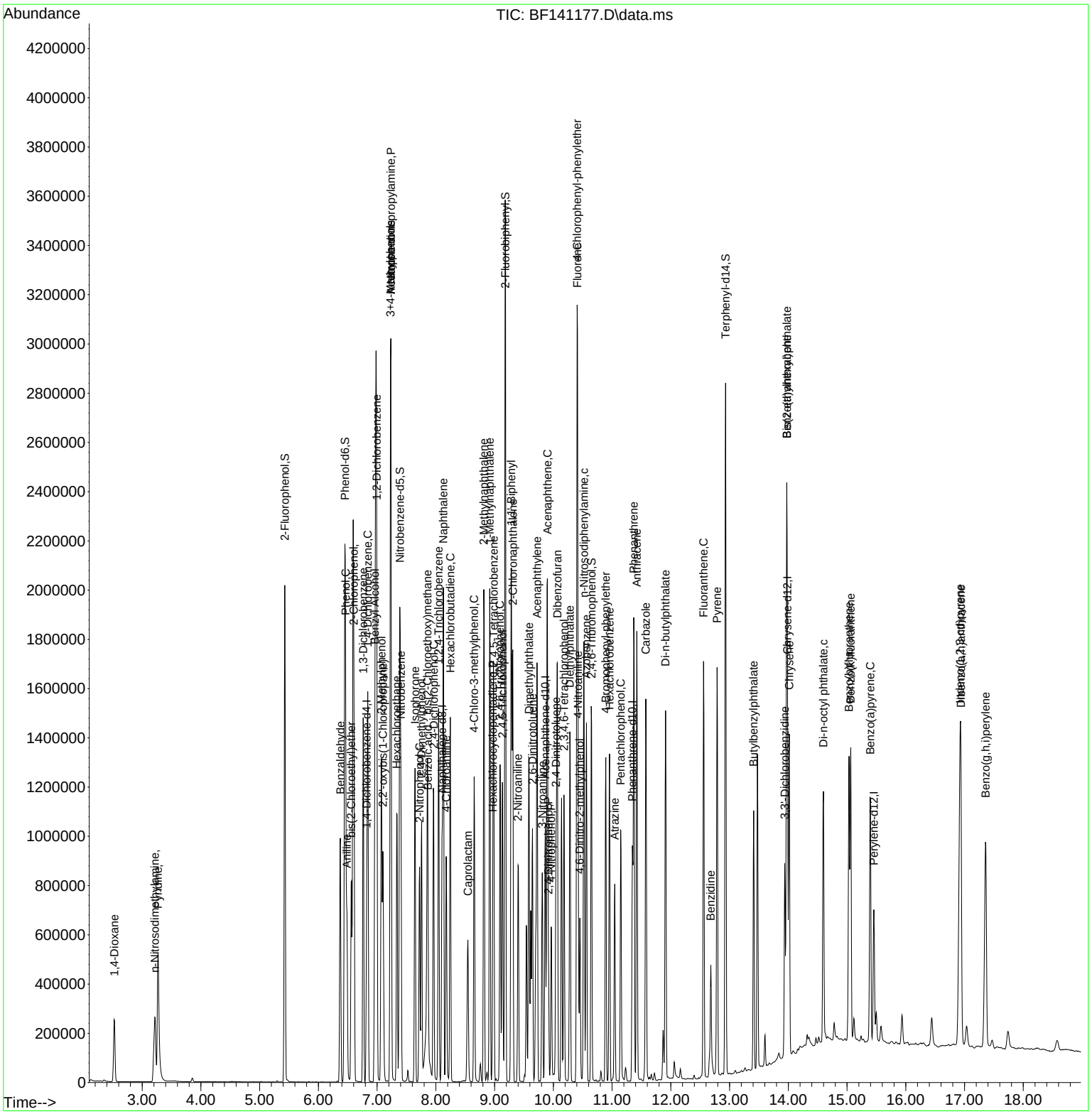
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.134 | 196 | 238958 | 38.100 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.281 | 154 | 928568 | 38.975 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.310 | 162 | 718713 | 38.731 | ng | 99 |
| 48) 2-Nitroaniline | 9.398 | 65 | 209535 | 38.092 | ng | 97 |
| 49) Acenaphthylene | 9.722 | 152 | 1008177 | 38.028 | ng | 100 |
| 50) Dimethylphthalate | 9.586 | 163 | 788370 | 38.279 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.645 | 165 | 184885 | 38.603 | ng | 98 |
| 52) Acenaphthene | 9.898 | 154 | 719005 | 38.818 | ng | 99 |
| 53) 3-Nitroaniline | 9.810 | 138 | 184415 | 37.891 | ng | 99 |
| 54) 2,4-Dinitrophenol | 9.916 | 184 | 94494 | 41.509 | ng | 88 |
| 55) Dibenzofuran | 10.069 | 168 | 952828 | 37.820 | ng | 100 |
| 56) 4-Nitrophenol | 9.963 | 139 | 142248 | 37.319 | ng | 96 |
| 57) 2,4-Dinitrotoluene | 10.045 | 165 | 239012 | 38.724 | ng | 99 |
| 58) Fluorene | 10.410 | 166 | 736330 | 37.619 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.181 | 232 | 193373 | 37.093 | ng | 97 |
| 60) Diethylphthalate | 10.281 | 149 | 762235 | 37.910 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204 | 368642 | 38.643 | ng | 99 |
| 62) 4-Nitroaniline | 10.422 | 138 | 174083 | 36.544 | ng | 98 |
| 63) Azobenzene | 10.563 | 77 | 730307 | 36.811 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.451 | 198 | 124375 | 45.140 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 10.522 | 169 | 627905 | 40.942 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 230138 | 42.040 | ng | 99 |
| 68) Hexachlorobenzene | 10.957 | 284 | 252658 | 41.461 | ng | 99 |
| 69) Atrazine | 11.045 | 200 | 133894 | 32.424 | ng | 99 |
| 70) Pentachlorophenol | 11.145 | 266 | 162667 | 41.683 | ng | 98 |
| 71) Phenanthrene | 11.369 | 178 | 1009123 | 39.531 | ng | 99 |
| 72) Anthracene | 11.422 | 178 | 986753 | 39.754 | ng | 100 |
| 73) Carbazole | 11.575 | 167 | 884138 | 38.847 | ng | 100 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 1049973 | 40.312 | ng | 100 |
| 75) Fluoranthene | 12.557 | 202 | 955547 | 37.511 | ng | 99 |
| 77) Benzidine | 12.680 | 184 | 250742 | 49.233 | ng | 99 |
| 78) Pyrene | 12.786 | 202 | 942221 | 35.920 | ng | 100 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 330866 | 37.832 | ng | 97 |
| 81) Benzo(a)anthracene | 13.974 | 228 | 703511 | 37.640 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.939 | 252 | 239857 | 40.302 | ng | 99 |
| 83) Chrysene | 14.016 | 228 | 626608 | 35.829 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149 | 412028 | 39.265 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.598 | 149 | 677367 | 42.747 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.921 | 276 | 941894 | 40.868 | ng | 98 |
| 88) Benzo(b)fluoranthene | 15.033 | 252 | 713140 | 35.156 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.063 | 252 | 671197 | 39.154 | ng | 100 |
| 90) Benzo(a)pyrene | 15.398 | 252 | 639515 | 38.211 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.939 | 278 | 768910 | 41.249 | ng | 97 |
| 92) Benzo(g,h,i)perylene | 17.357 | 276 | 802295 | 41.379 | ng | 99 |

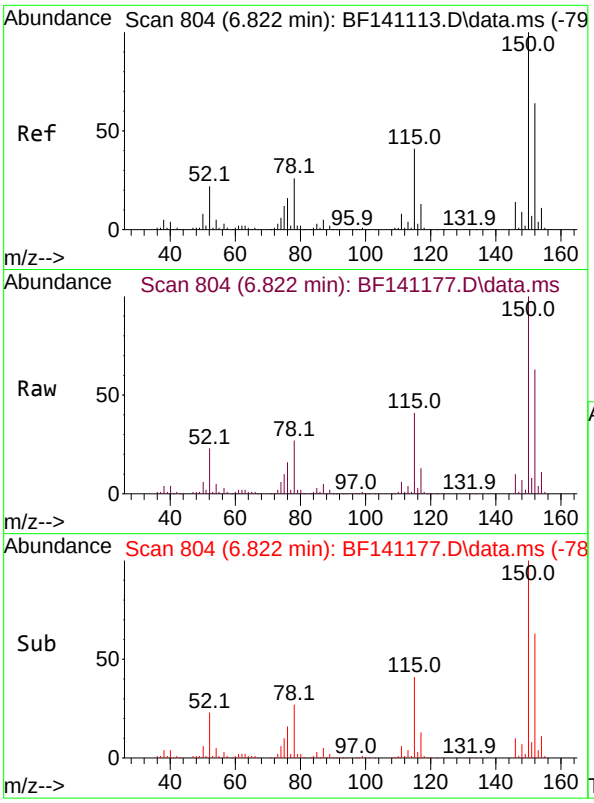
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141177.D
Acq On : 15 Jan 2025 17:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Quant Time: Jan 15 17:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



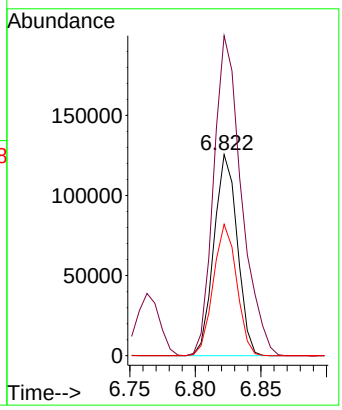


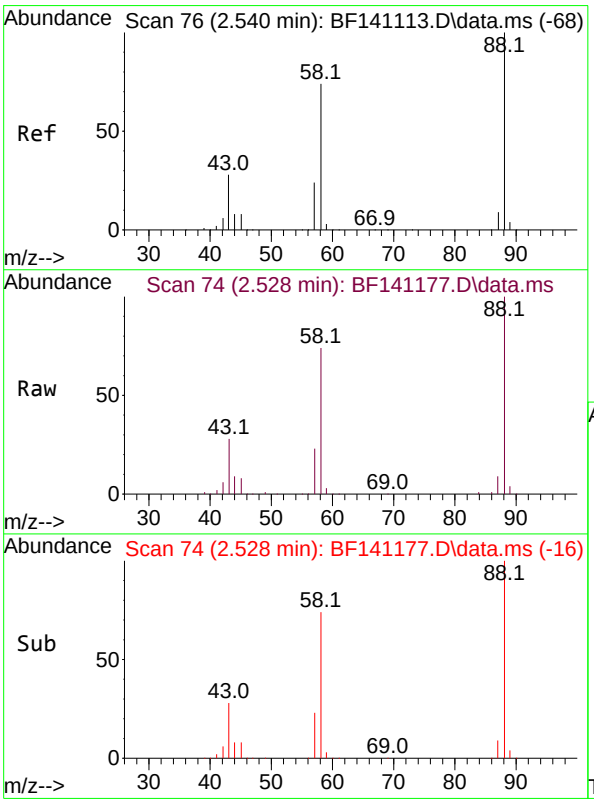

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:152 Resp: 155483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.1 | 125.8 | 188.8 |
| 115 | 65.3 | 51.4 | 77.2 |

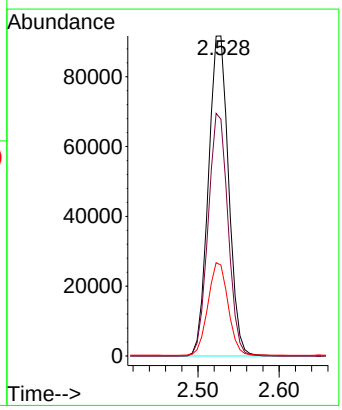


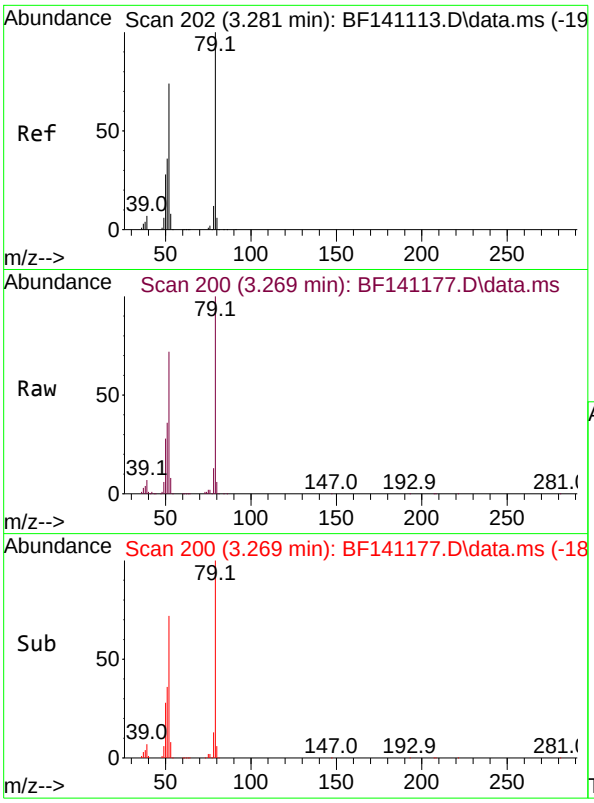




#2
1,4-Dioxane
Concen: 35.304 ng
RT: 2.528 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion: 88 Resp: 158233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.3 | 60.1 | 90.1 |
| 43 | 28.9 | 23.1 | 34.7 |



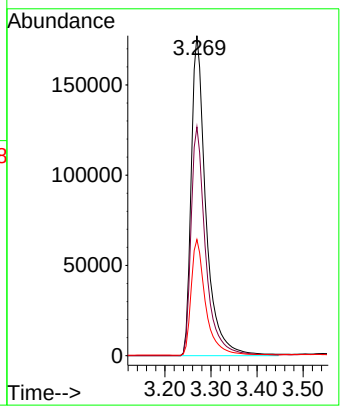


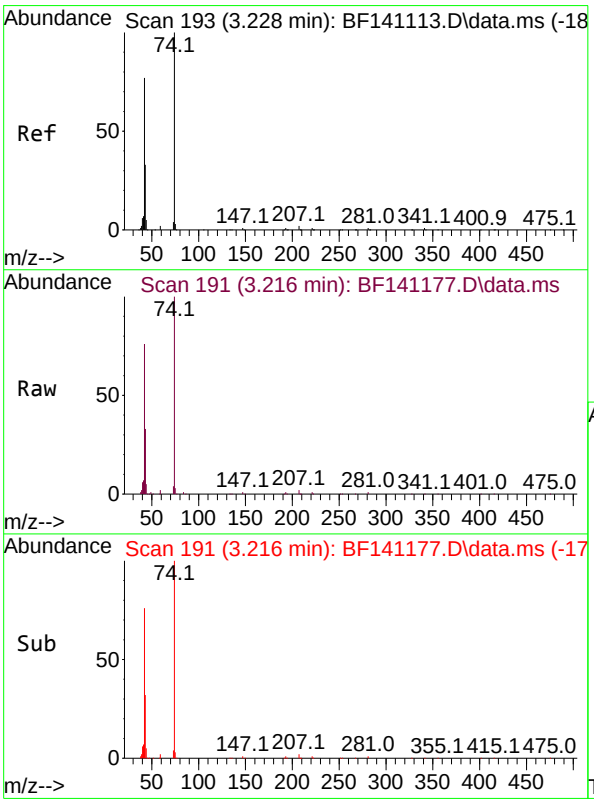

#3
Pyridine
Concen: 35.738 ng
RT: 3.269 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 79 Resp: 392798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 71.5 | 58.9 | 88.3 |
| 51 | 36.3 | 29.1 | 43.7 |

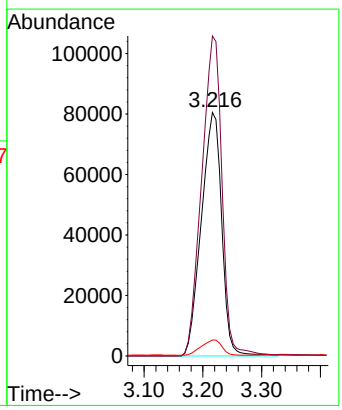


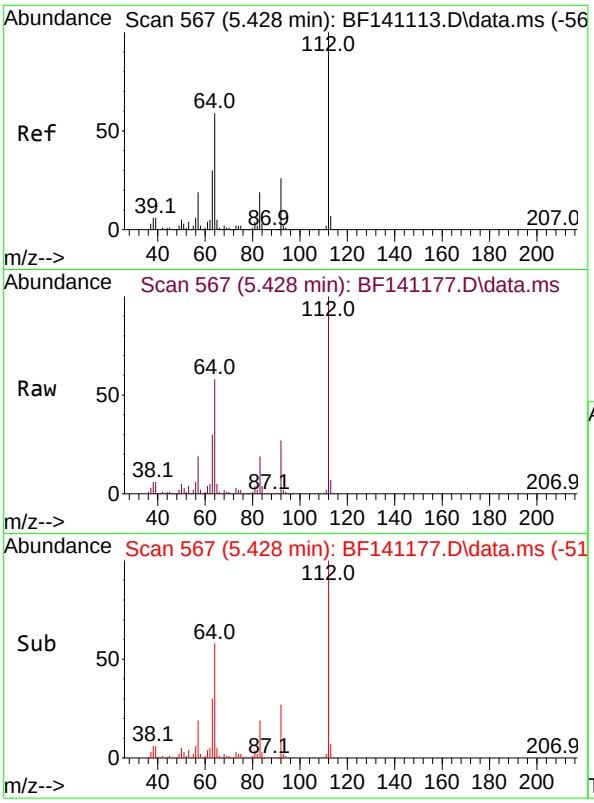




#4
n-Nitrosodimethylamine
Concen: 36.028 ng
RT: 3.216 min Scan# 191
Delta R.T. -0.012 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion: 42 Resp: 193619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 131.4 | 103.8 | 155.6 |
| 44 | 6.6 | 5.3 | 7.9 |



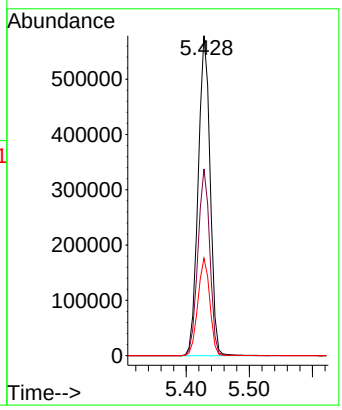


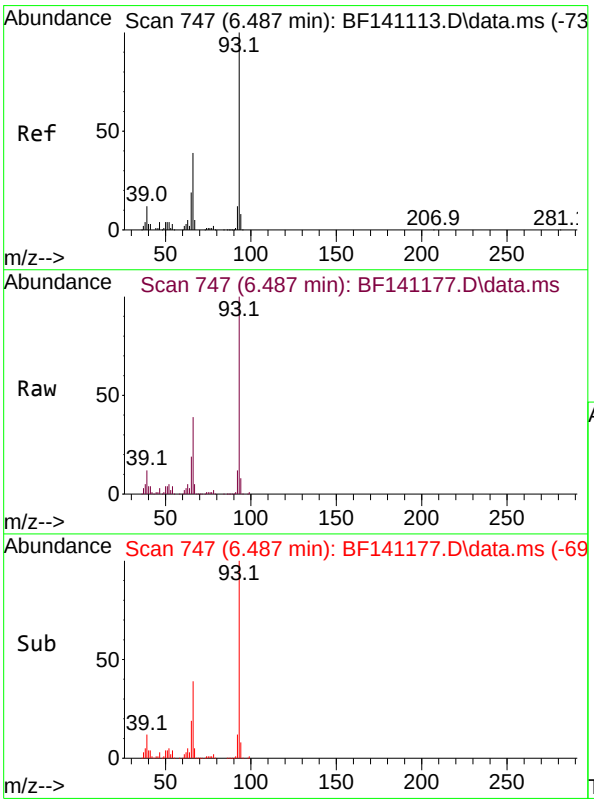

#5
2-Fluorophenol
Concen: 75.781 ng
RT: 5.428 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:112 Resp: 762731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.3 | 47.3 | 70.9 |
| 63 | 30.5 | 24.2 | 36.2 |

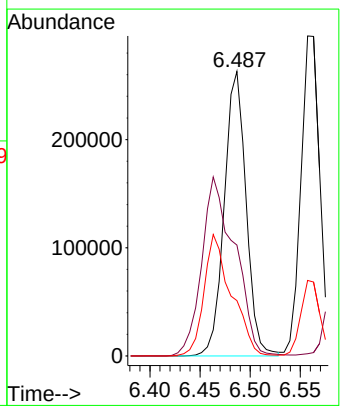


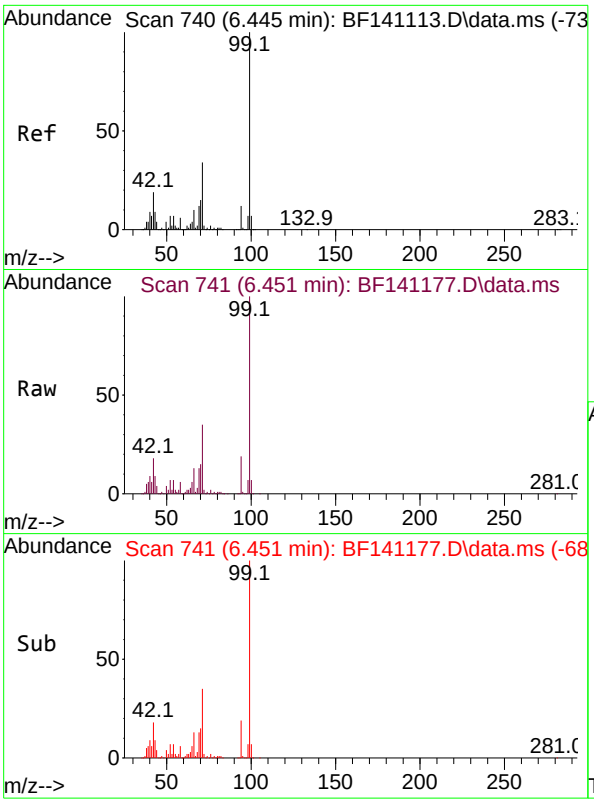




#6
Aniline
Concen: 35.149 ng
RT: 6.487 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion: 93 Resp: 397866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.0 | 31.5 | 47.3 |
| 65 | 19.4 | 15.3 | 22.9 |



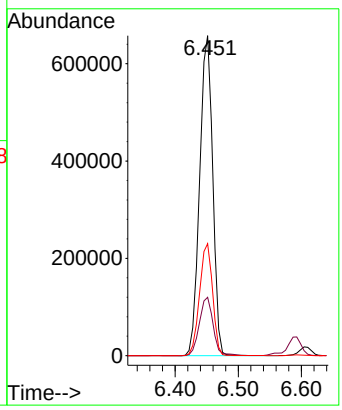


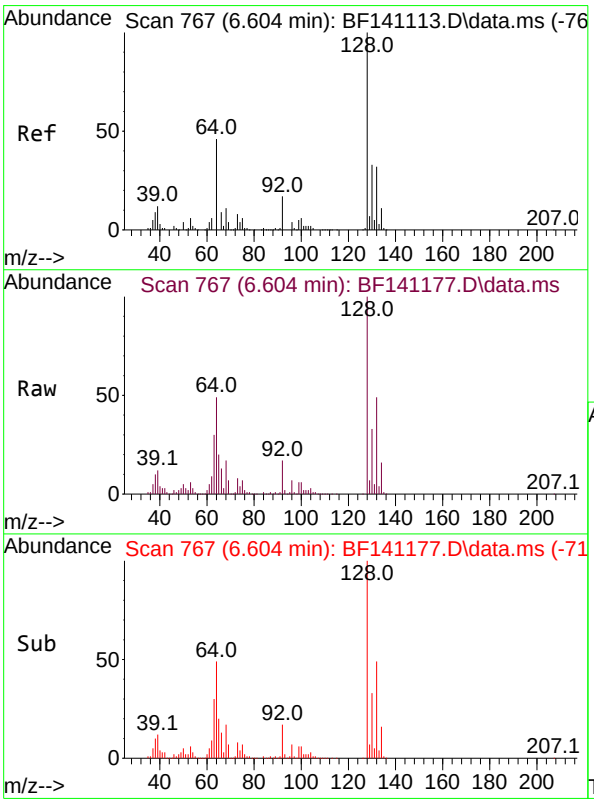

#7
Phenol-d6
Concen: 74.129 ng
RT: 6.451 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 99 Resp: 945090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.2 | 15.0 | 22.4 |
| 71 | 35.0 | 27.6 | 41.4 |

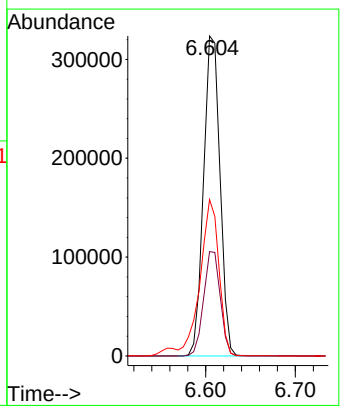


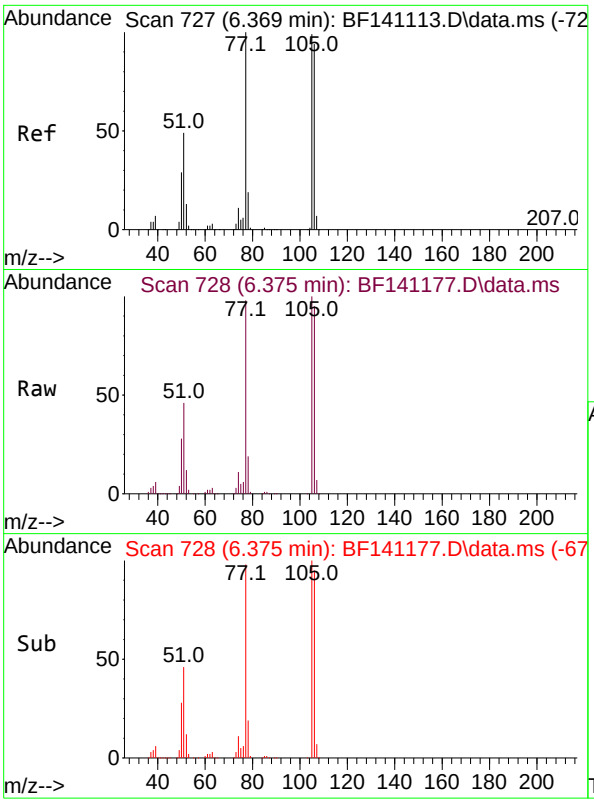




#8
2-Chlorophenol
Concen: 38.237 ng
RT: 6.604 min Scan# 767
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:128 Resp: 412894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.6 | 12.5 | 52.5 |
| 64 | 48.9 | 28.3 | 68.3 |



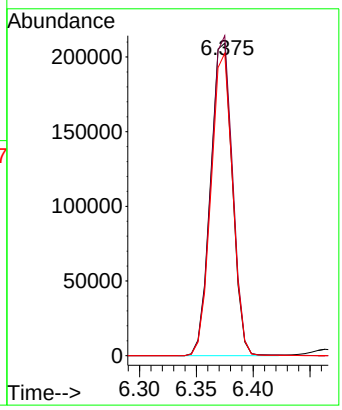


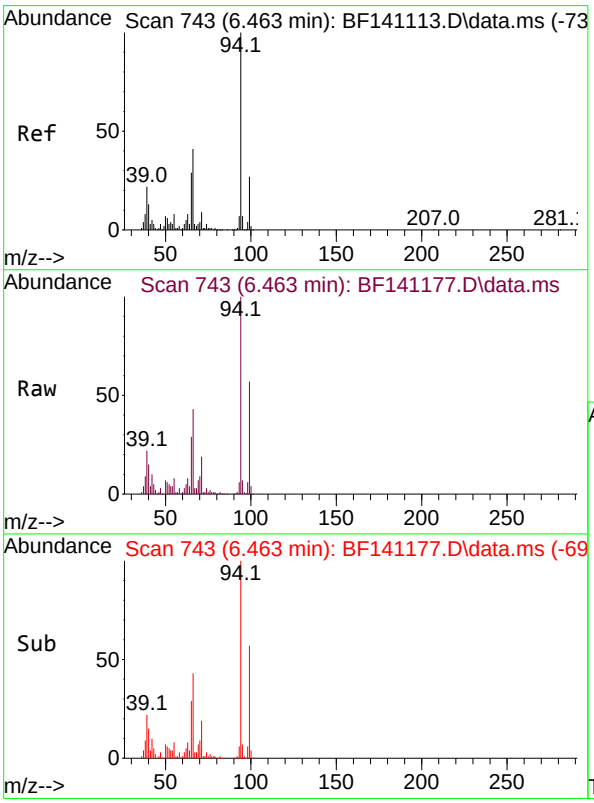

#9
Benzaldehyde
Concen: 37.175 ng
RT: 6.375 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 77 Resp: 279148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 102.4 | 78.9 | 118.9 |
| 106 | 96.8 | 73.6 | 113.6 |

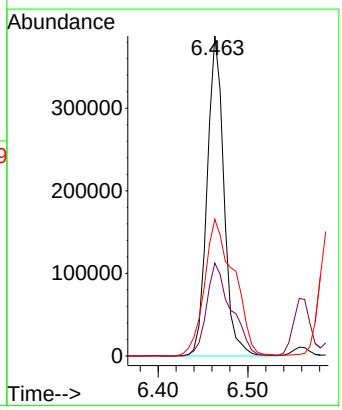


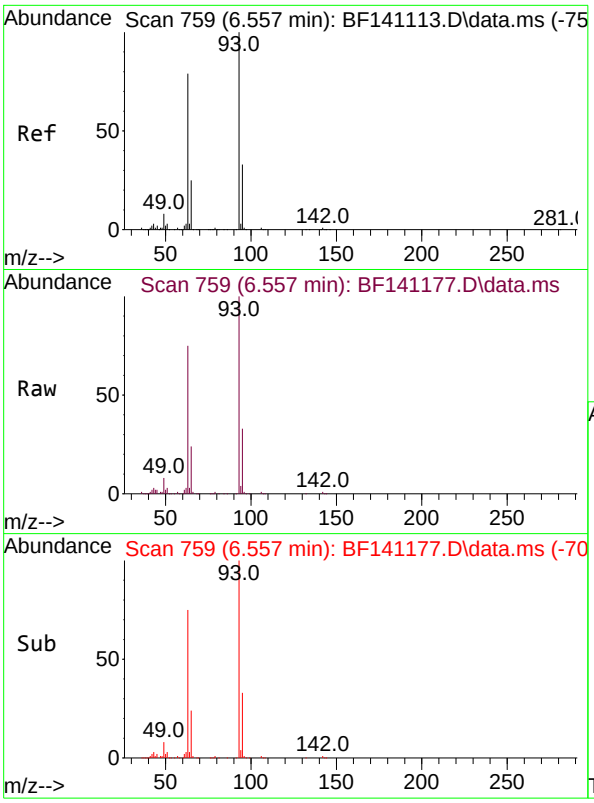




#10
Phenol
Concen: 36.888 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion: 94 Resp: 503433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.0 | 8.9 | 48.9 |
| 66 | 42.7 | 21.2 | 61.2 |



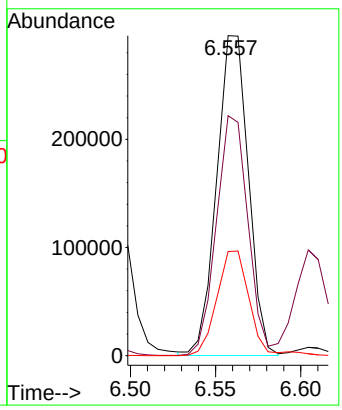


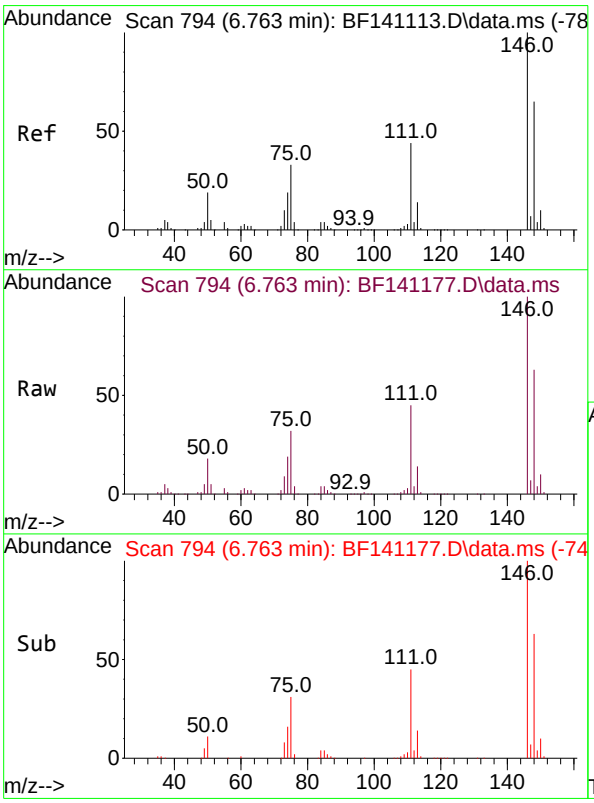

#11
bis(2-Chloroethyl)ether
Concen: 37.765 ng
RT: 6.557 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 93 Resp: 384104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 75.0 | 58.0 | 98.0 |
| 95 | 32.6 | 12.5 | 52.5 |

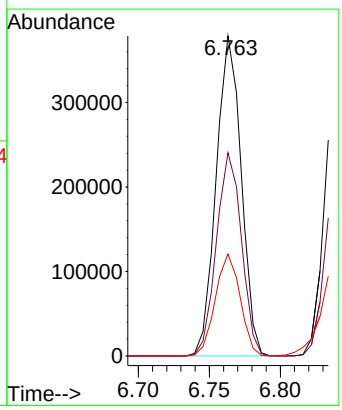


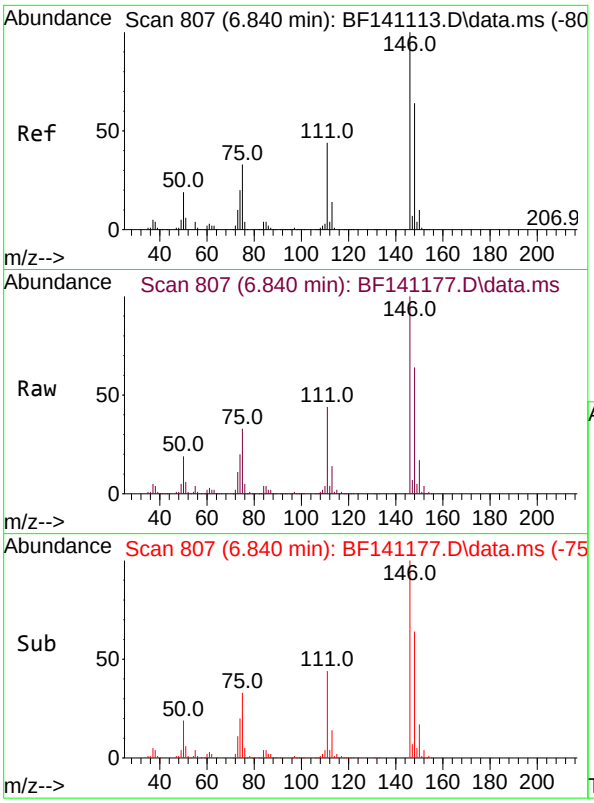




#12
1,3-Dichlorobenzene
Concen: 38.517 ng
RT: 6.763 min Scan# 794
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:146 Resp: 463888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.5 | 51.6 | 77.4 |
| 75 | 31.9 | 26.2 | 39.2 |



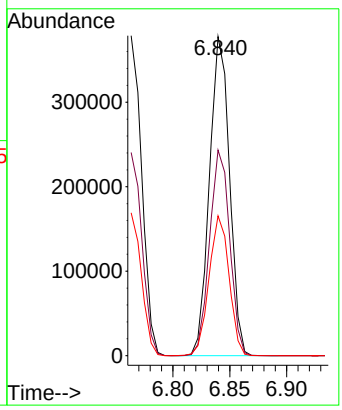


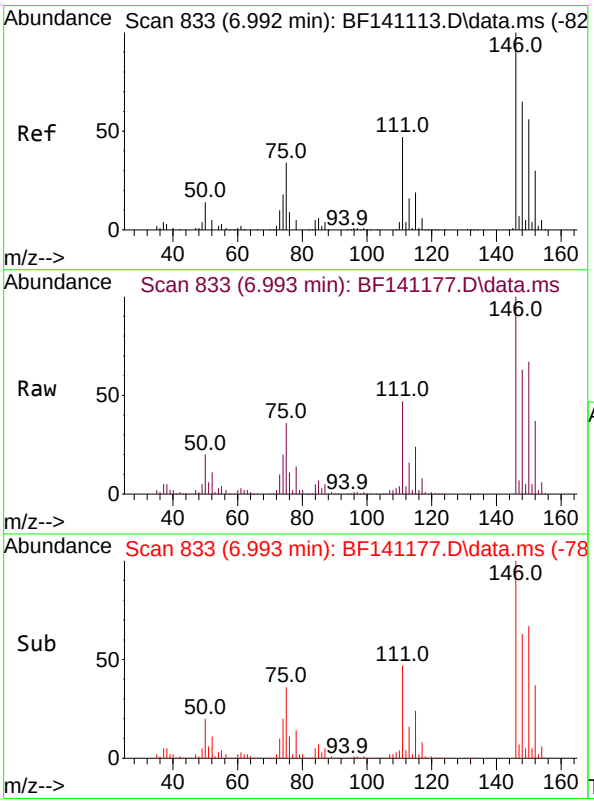

#13
1,4-Dichlorobenzene
Concen: 38.186 ng
RT: 6.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:146 Resp: 463443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.0 | 76.6 |
| 111 | 43.8 | 34.9 | 52.3 |

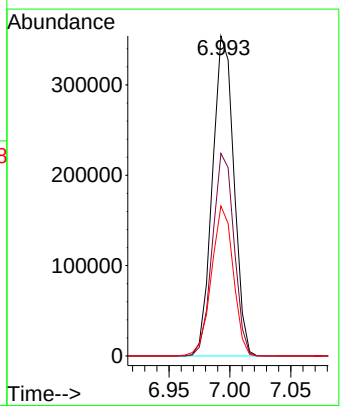


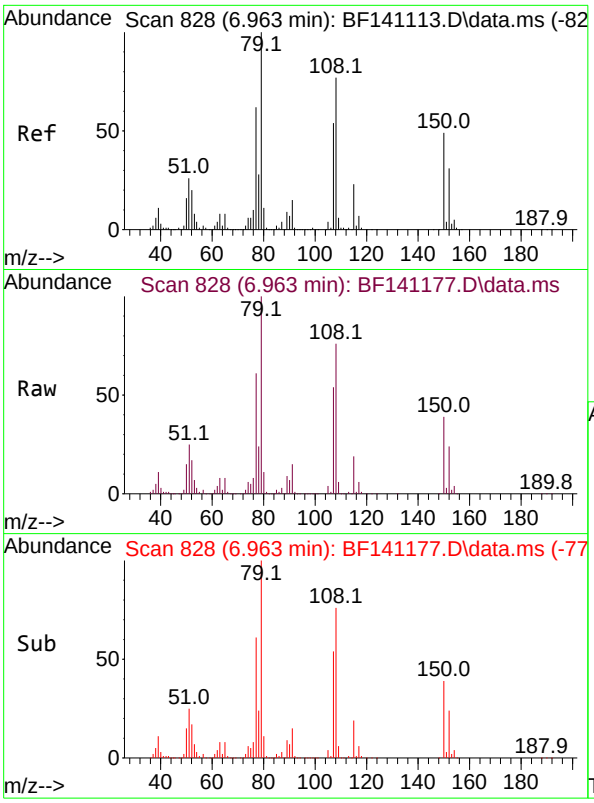




#14
1,2-Dichlorobenzene
Concen: 38.310 ng
RT: 6.993 min Scan# 833
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:146 Resp: 433703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 52.2 | 78.4 |
| 111 | 46.8 | 37.5 | 56.3 |



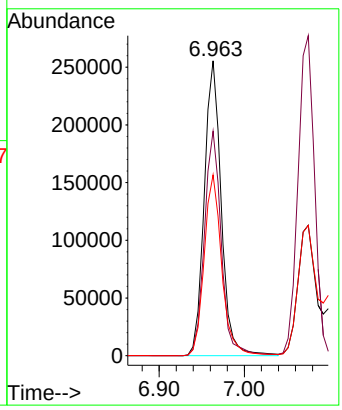


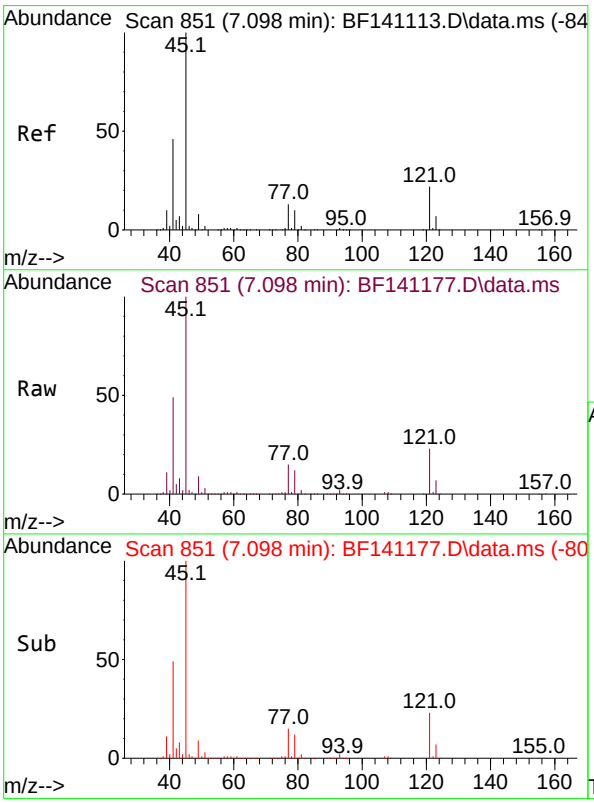

#15
Benzyl Alcohol
Concen: 38.426 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 79 Resp: 353797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.1 | 61.4 | 92.0 |
| 77 | 61.3 | 49.8 | 74.6 |

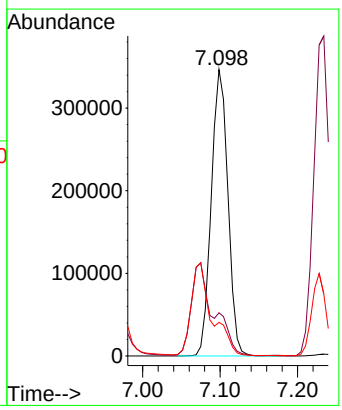


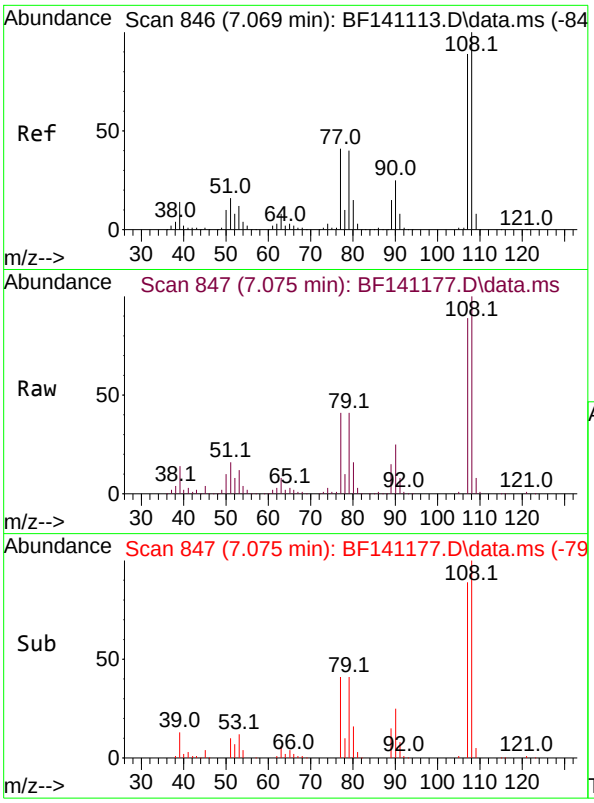




#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.324 ng
RT: 7.098 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion: 45 Resp: 515552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 15.1 | 0.0 | 34.1 |
| 79 | 11.8 | 0.0 | 31.0 |



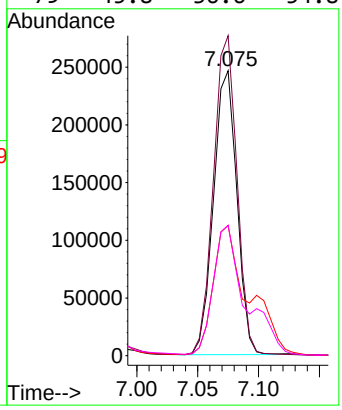


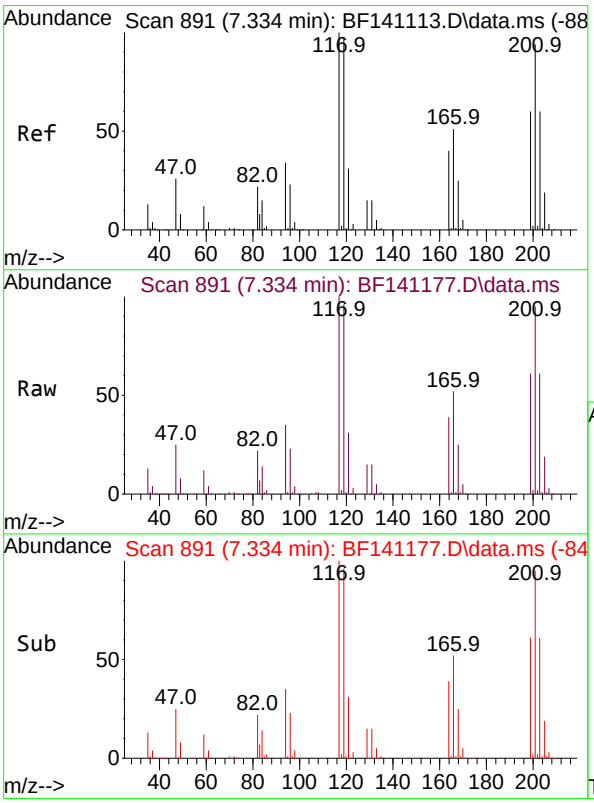

#17
2-Methylphenol
Concen: 37.654 ng
RT: 7.075 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:107 Resp: 328264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.3 | 90.1 | 135.1 |
| 77 | 45.7 | 36.6 | 55.0 |
| 79 | 45.8 | 36.6 | 54.8 |

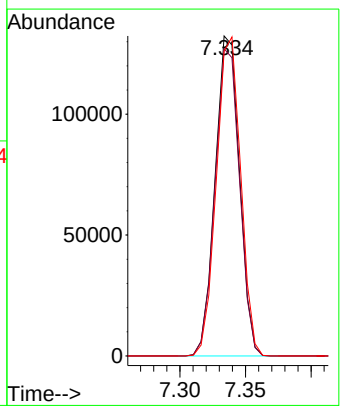


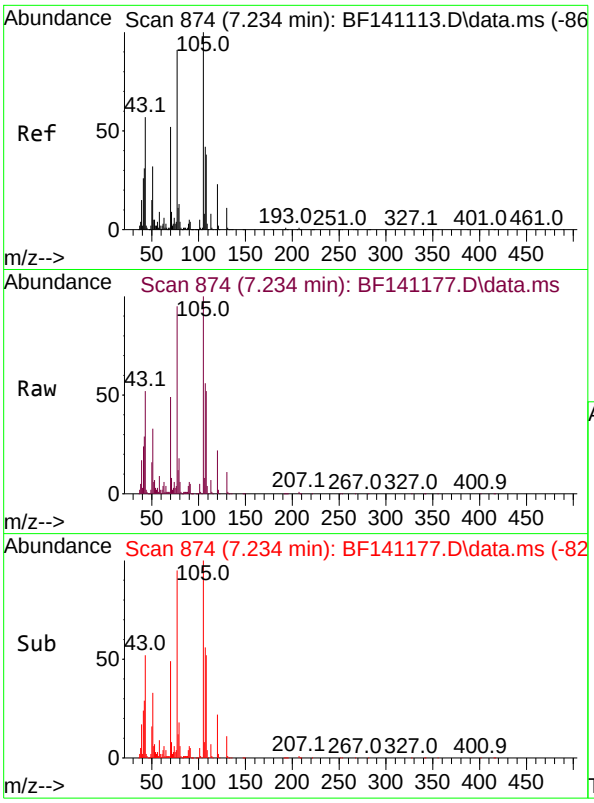




#18
Hexachloroethane
Concen: 38.946 ng
RT: 7.334 min Scan# 891
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:117 Resp: 170928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.0 | 77.6 | 116.4 |
| 201 | 95.3 | 75.1 | 112.7 |



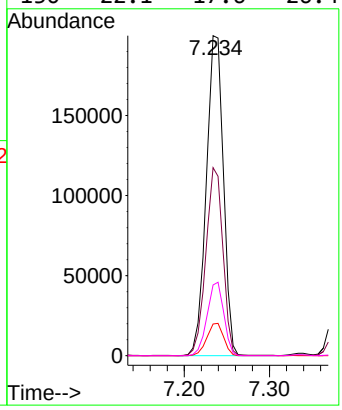


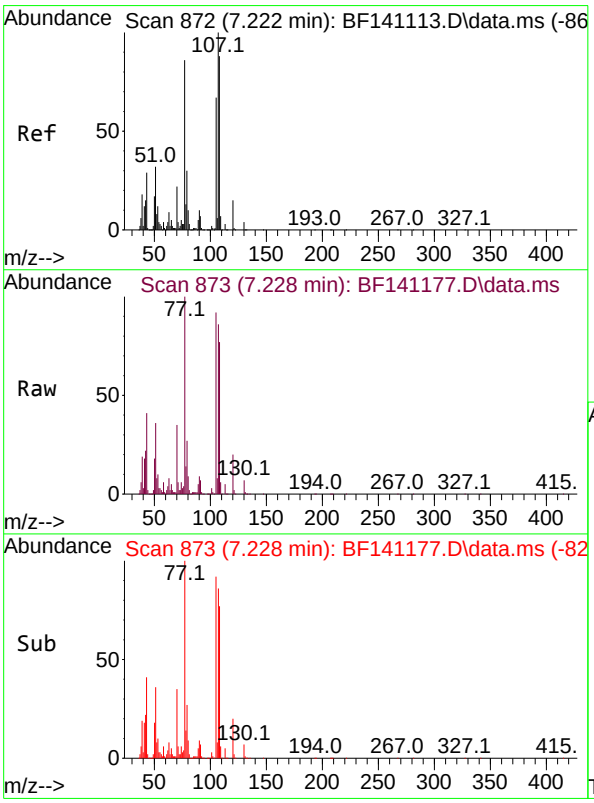

#19
n-Nitroso-di-n-propylamine
Concen: 37.085 ng
RT: 7.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 70 Resp: 278516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 58.7 | 47.8 | 71.6 |
| 101 | 9.9 | 7.9 | 11.9 |
| 130 | 22.1 | 17.6 | 26.4 |

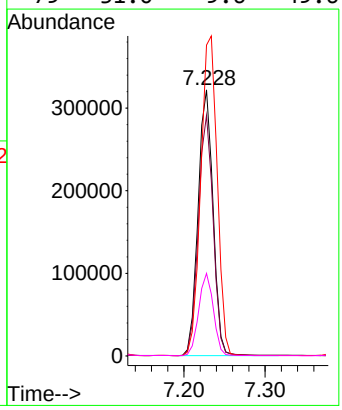


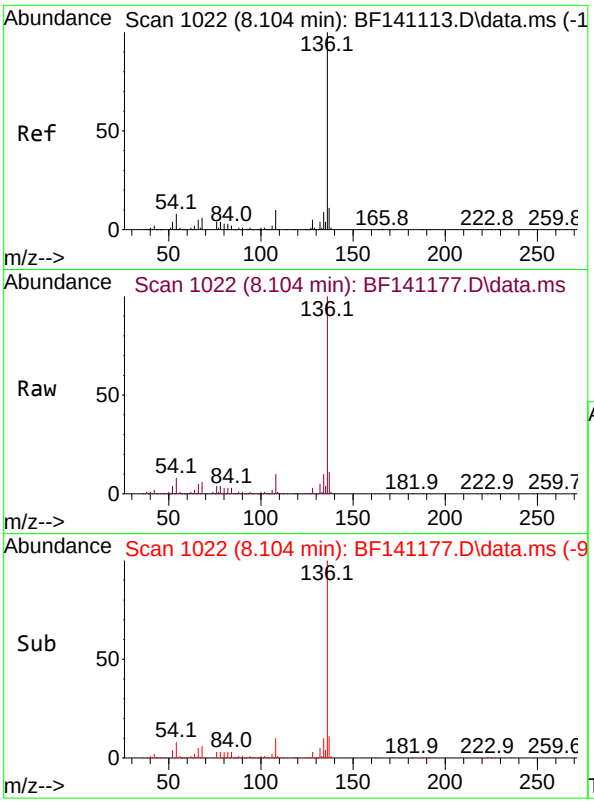




#20
3+4-Methylphenols
Concen: 37.434 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.006 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:107 Resp: 411727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.4 | 68.3 | 108.3 |
| 77 | 116.8 | 66.4 | 106.4# |
| 79 | 31.0 | 9.6 | 49.6 |



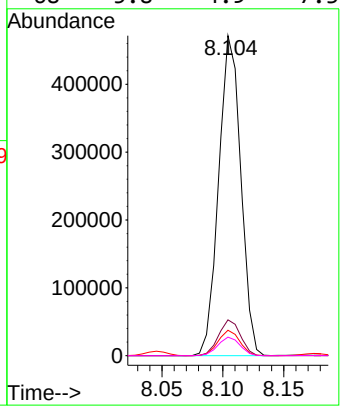


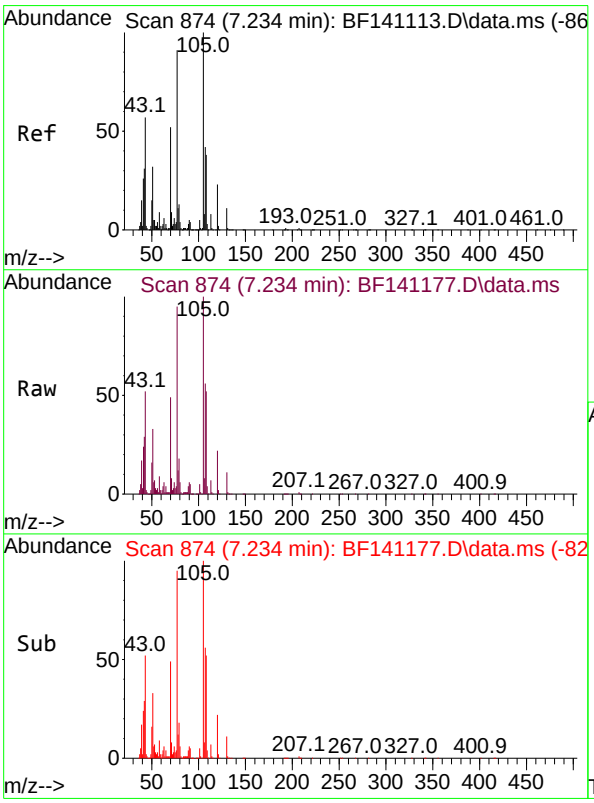

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:136 Resp: 596867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.8 | 13.2 |
| 54 | 7.9 | 6.3 | 9.5 |
| 68 | 5.8 | 4.9 | 7.3 |

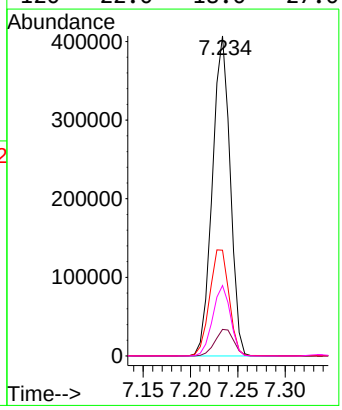


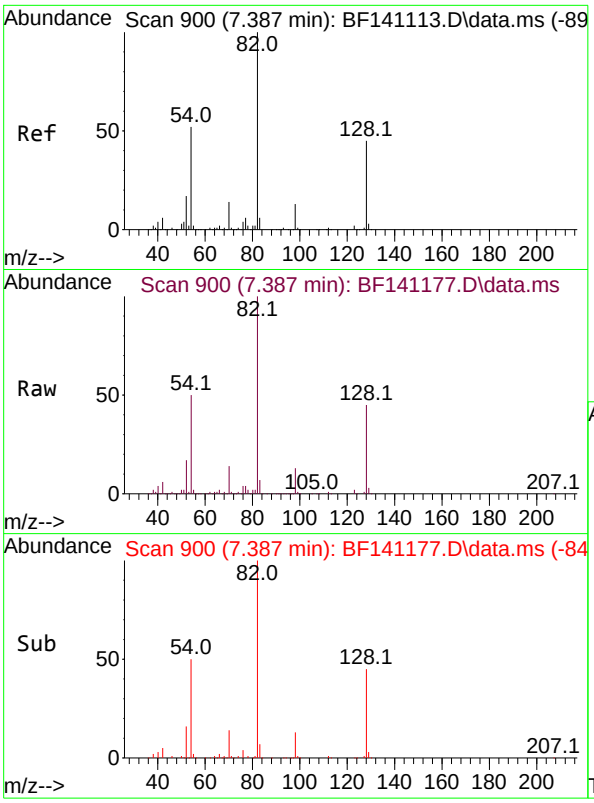




#22
Acetophenone
Concen: 37.585 ng
RT: 7.234 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:105 Resp: 533290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.3 | 7.1 | 10.7 |
| 51 | 33.0 | 25.4 | 38.2 |
| 120 | 22.0 | 18.0 | 27.0 |



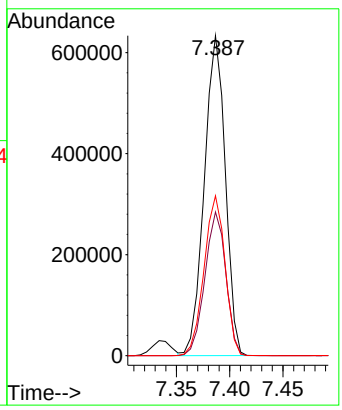


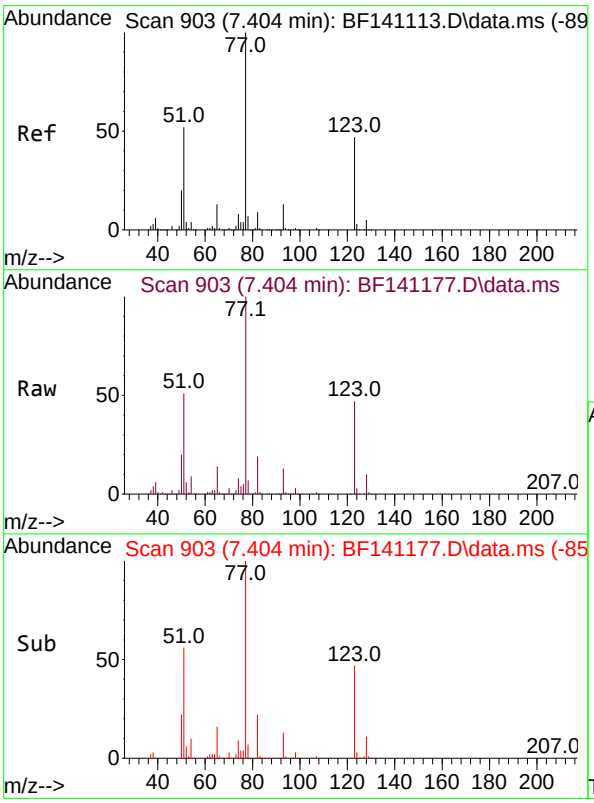

#23
Nitrobenzene-d5
Concen: 77.237 ng
RT: 7.387 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 82 Resp: 869674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.9 | 36.1 | 54.1 |
| 54 | 49.9 | 41.0 | 61.4 |

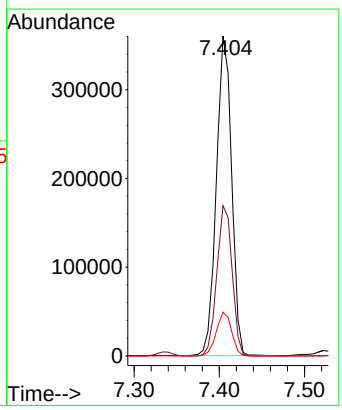


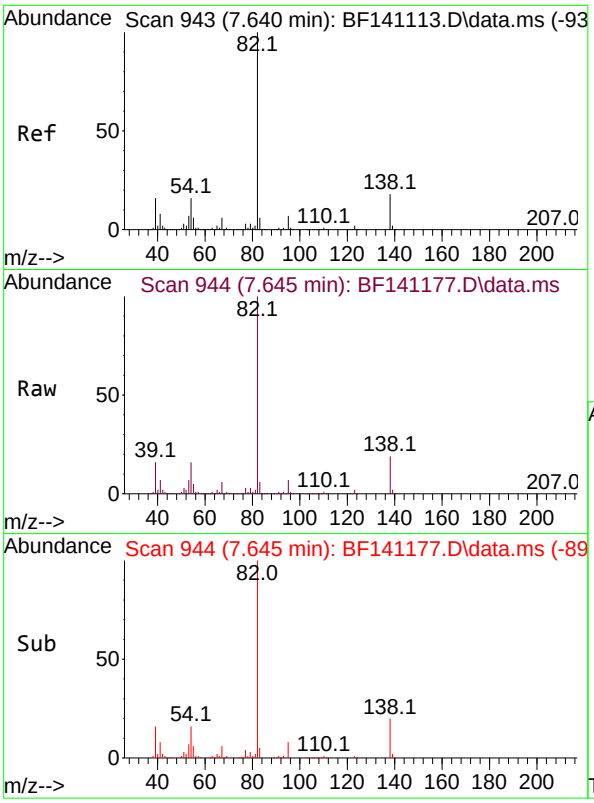




#24
Nitrobenzene
Concen: 38.187 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion: 77 Resp: 448135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.0 | 37.7 | 56.5 |
| 65 | 13.7 | 10.6 | 16.0 |



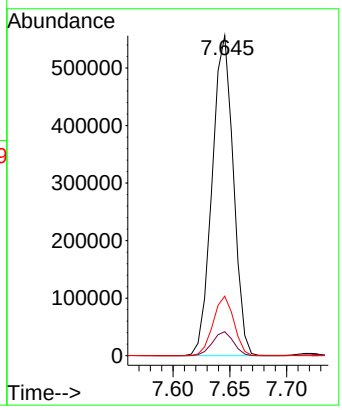


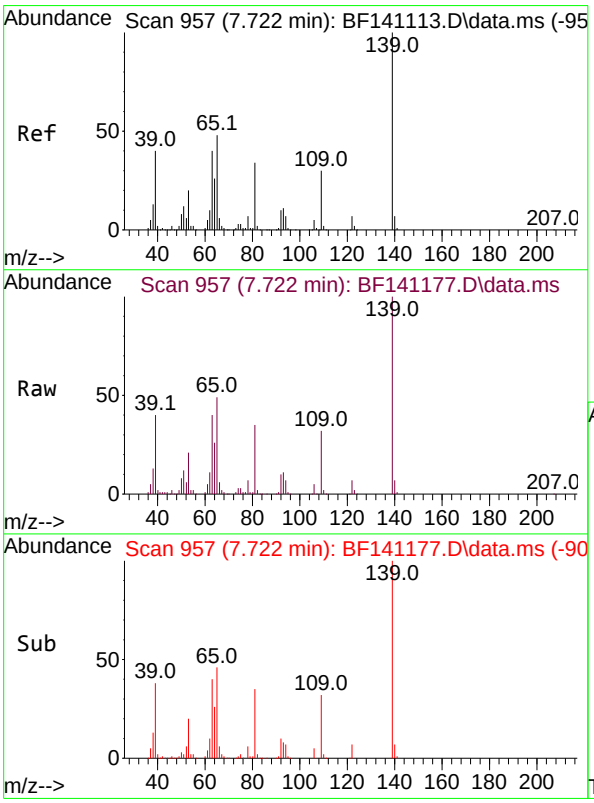

#25
Isophorone
Concen: 37.586 ng
RT: 7.645 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 82 Resp: 723242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.5 | 5.9 | 8.9 |
| 138 | 18.6 | 14.2 | 21.2 |

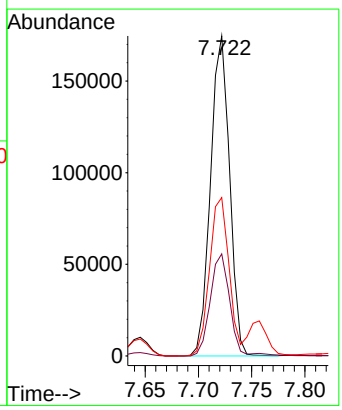


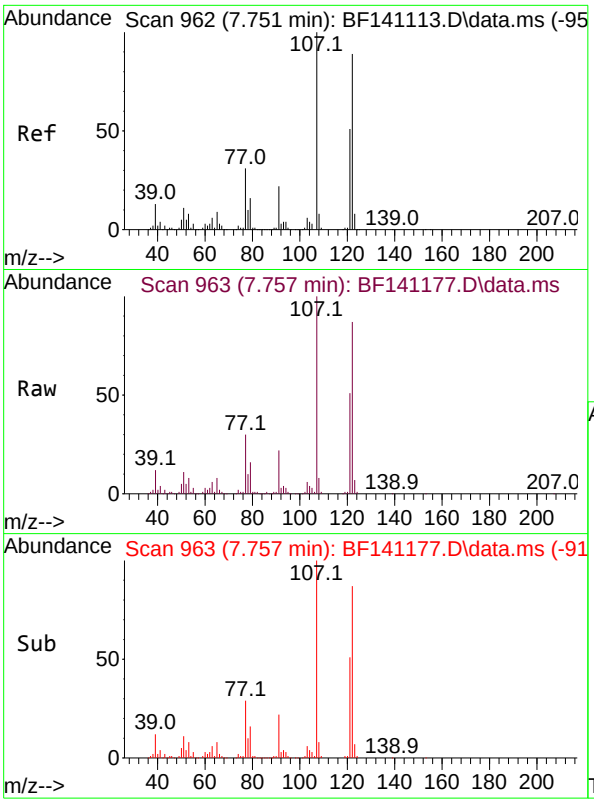




#26
2-Nitrophenol
Concen: 40.633 ng
RT: 7.722 min Scan# 957
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:139 Resp: 216906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.9 | 23.8 | 35.6 |
| 65 | 49.5 | 38.5 | 57.7 |



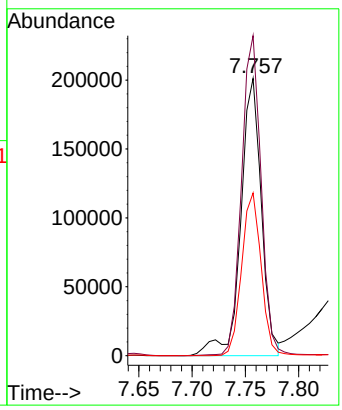


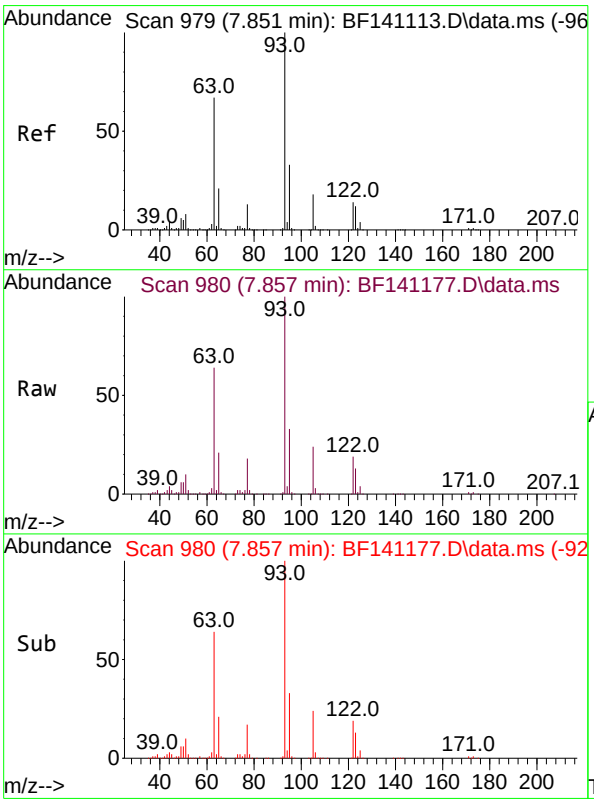

#27
2,4-Dimethylphenol
Concen: 37.716 ng
RT: 7.757 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:122 Resp: 271568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 115.4 | 90.3 | 135.5 |
| 121 | 58.7 | 46.5 | 69.7 |

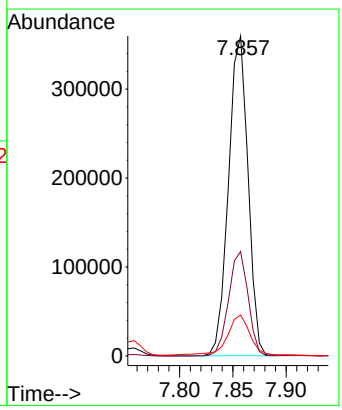


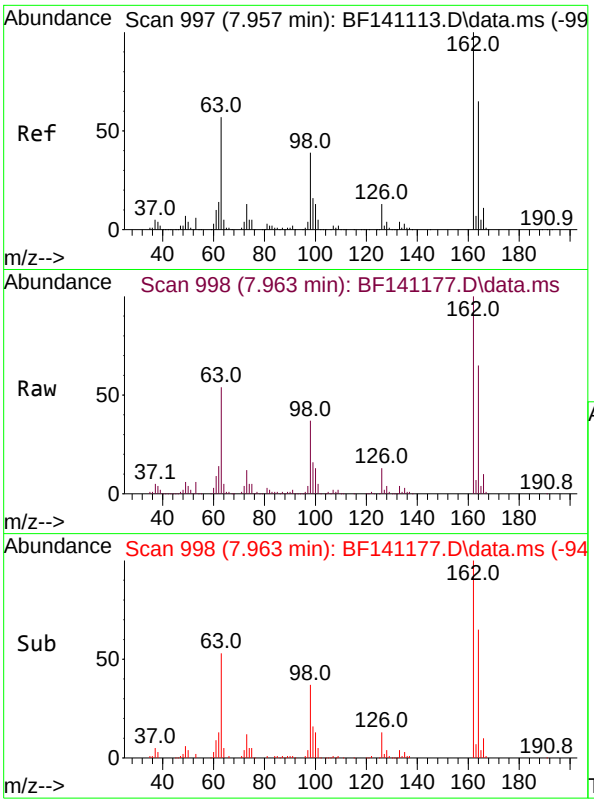




#28
bis(2-Chloroethoxy)methane
Concen: 37.902 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.006 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion: 93 Resp: 457717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.6 | 26.2 | 39.4 |
| 123 | 12.8 | 10.1 | 15.1 |



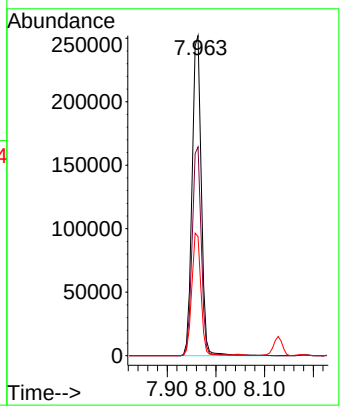


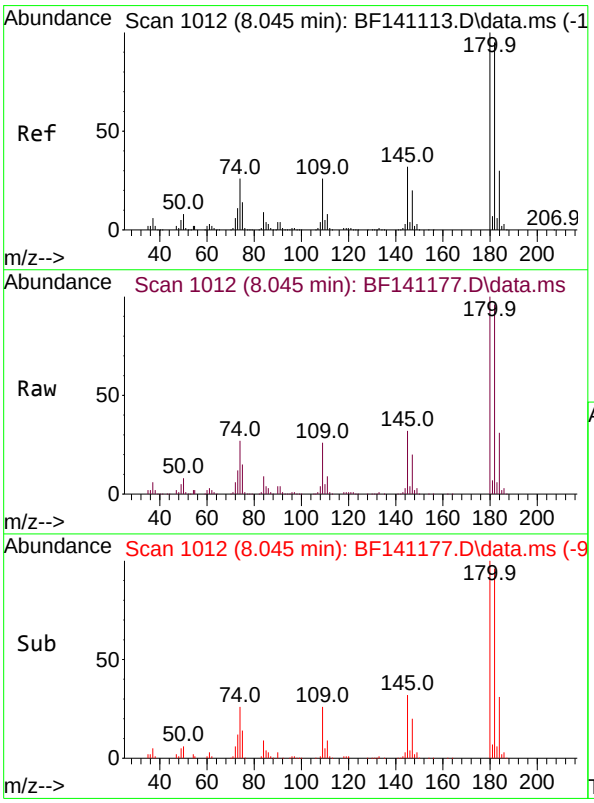

#29
2,4-Dichlorophenol
Concen: 38.956 ng
RT: 7.963 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:162 Resp: 333142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.2 | 44.5 | 84.5 |
| 98 | 37.2 | 18.5 | 58.5 |

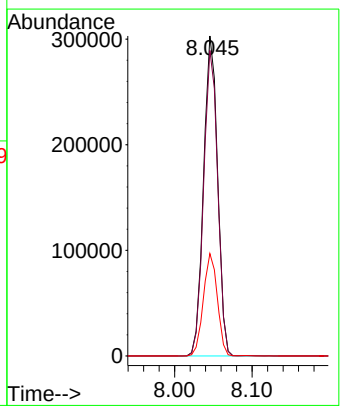


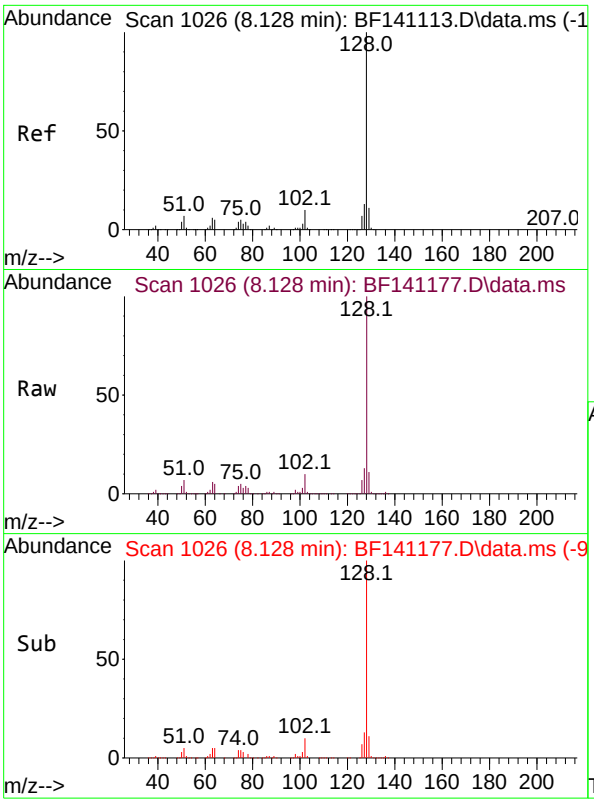




#30
1,2,4-Trichlorobenzene
Concen: 39.022 ng
RT: 8.045 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:180 Resp: 381430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 76.2 | 114.2 |
| 145 | 32.0 | 25.3 | 37.9 |



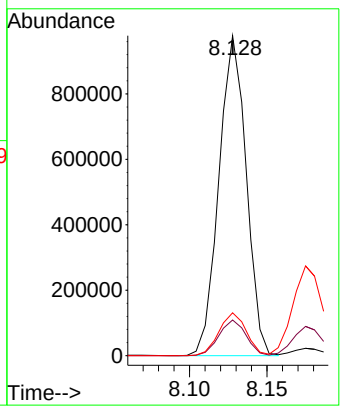


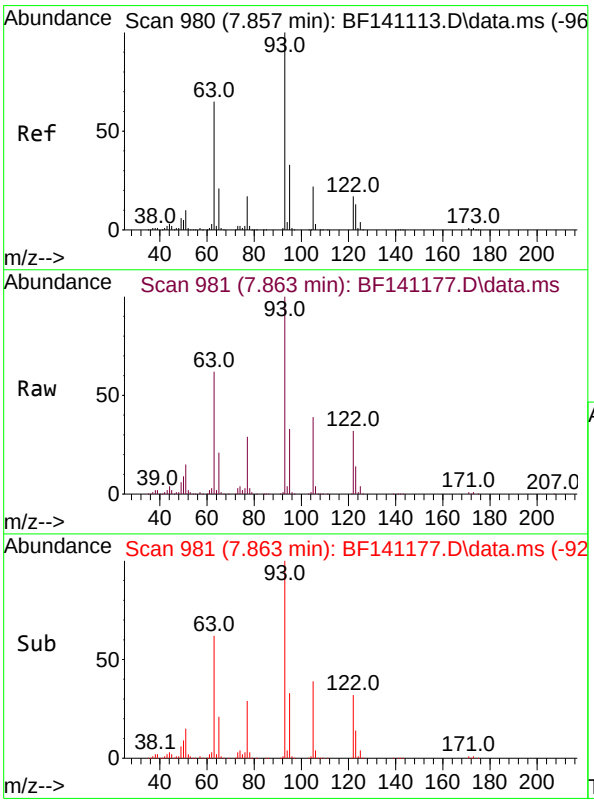

#31
Naphthalene
Concen: 38.067 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:128 Resp: 1198220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 9.0 | 13.6 |
| 127 | 13.4 | 10.8 | 16.2 |

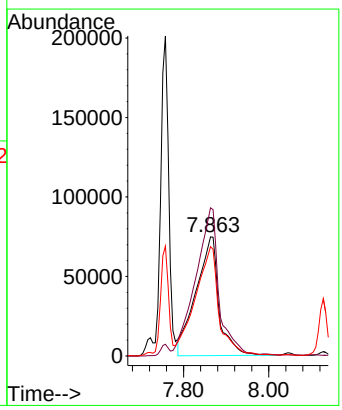


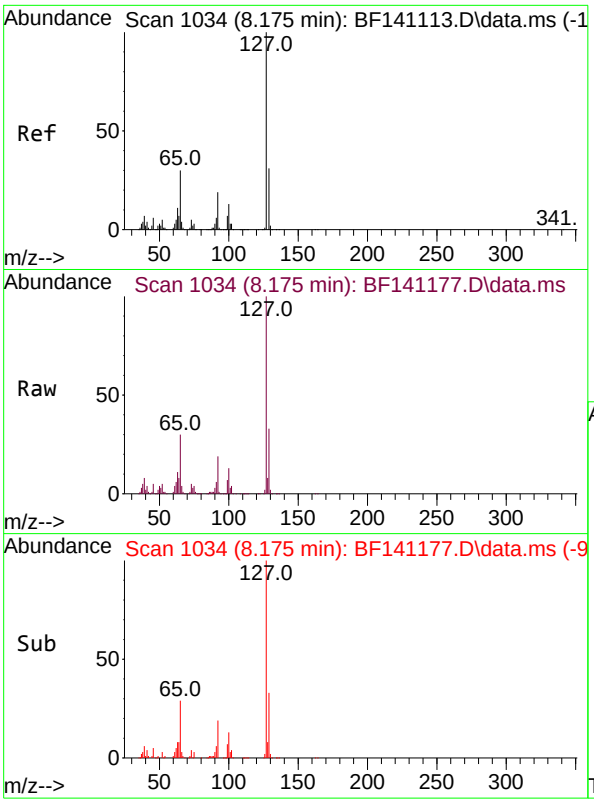




#32
Benzoic acid
Concen: 40.674 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.006 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:122 Resp: 280944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.5 | 105.5 | 145.5 |
| 77 | 91.8 | 75.1 | 115.1 |



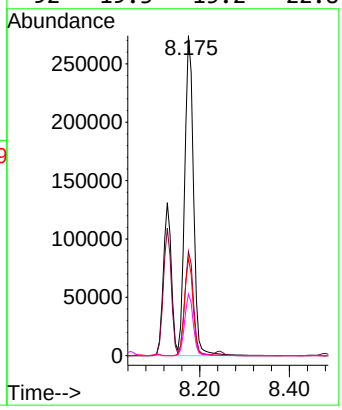


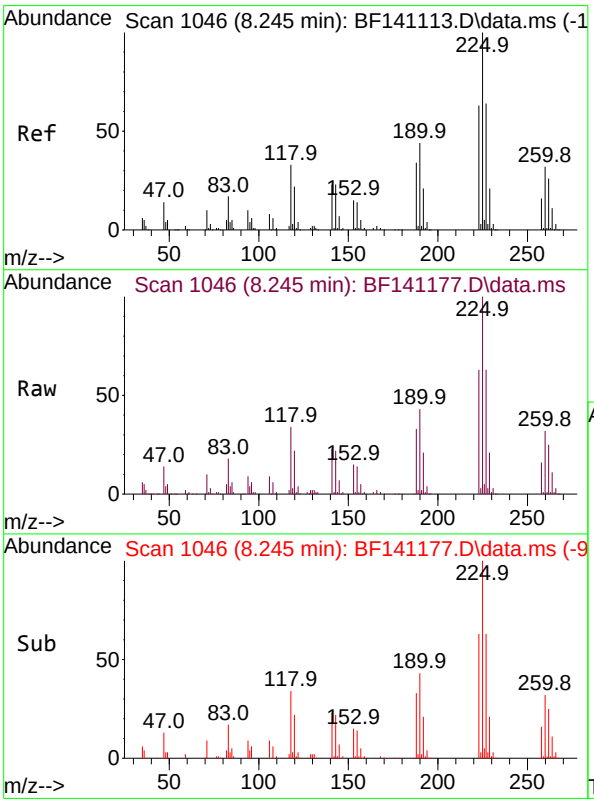

#33
4-Chloroaniline
Concen: 34.282 ng
RT: 8.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:127 Resp: 373182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.6 | 25.9 | 38.9 |
| 65 | 30.4 | 23.8 | 35.8 |
| 92 | 19.3 | 15.2 | 22.8 |

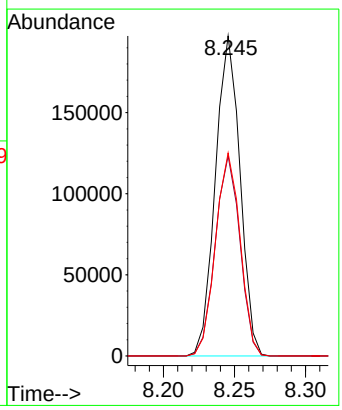


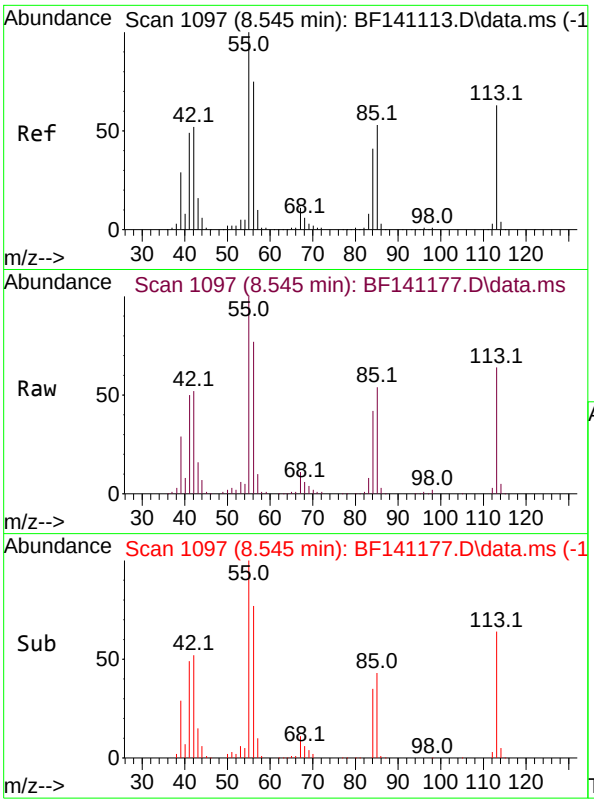




#34
Hexachlorobutadiene
Concen: 40.351 ng
RT: 8.245 min Scan# 1046
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:225 Resp: 237661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 50.6 | 76.0 |
| 227 | 63.5 | 51.6 | 77.4 |



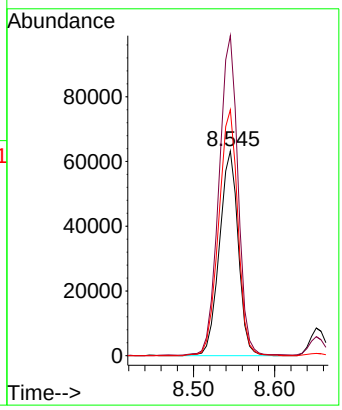


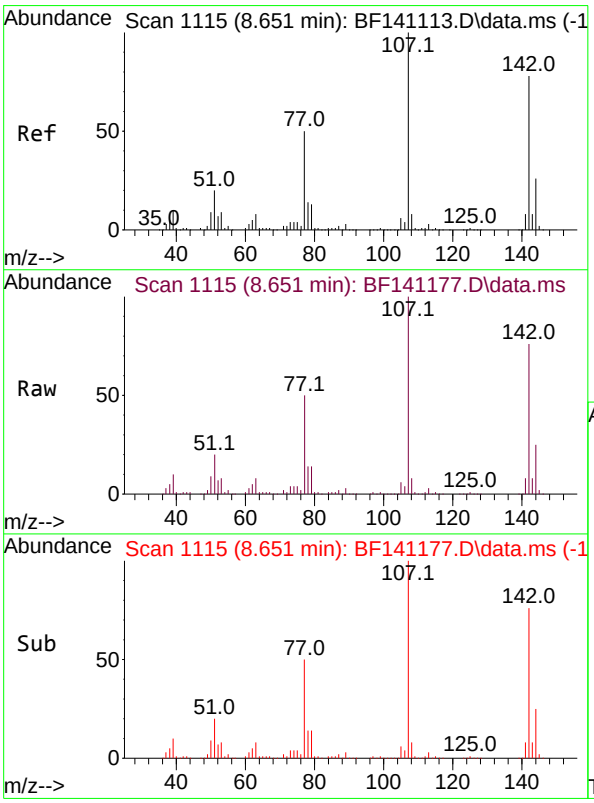

#35
Caprolactam
Concen: 36.395 ng
RT: 8.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:113 Resp: 101897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 156.3 | 139.7 | 179.7 |
| 56 | 120.2 | 99.4 | 139.4 |

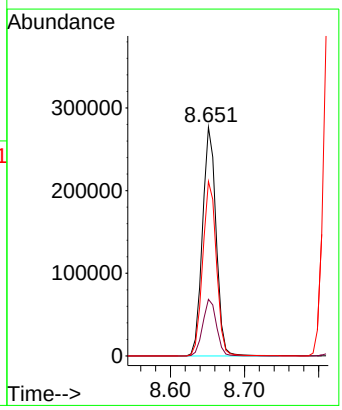


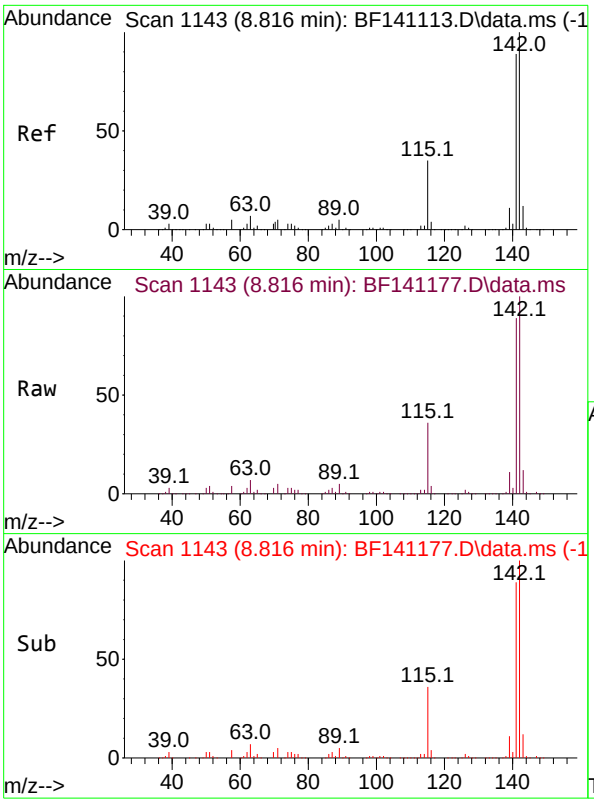




#36
4-Chloro-3-methylphenol
Concen: 37.823 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:107 Resp: 353744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.7 | 20.4 | 30.6 |
| 142 | 76.3 | 62.2 | 93.2 |



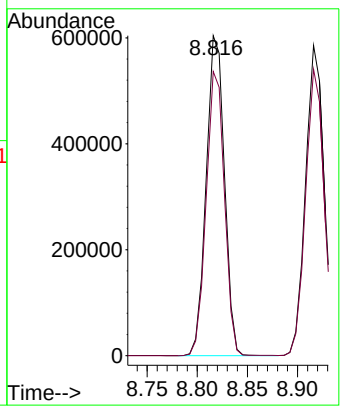


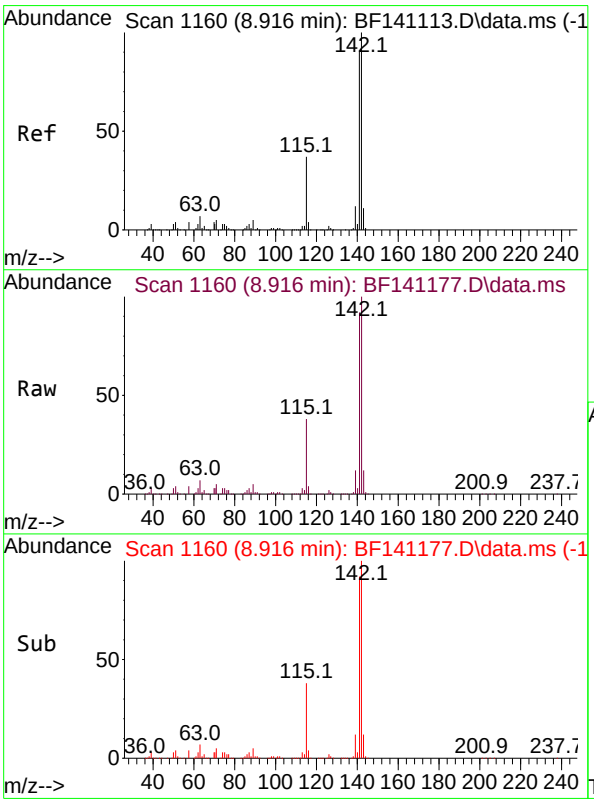

#37
2-Methylnaphthalene
Concen: 38.211 ng
RT: 8.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:142 Resp: 766427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.8 | 71.3 | 106.9 |

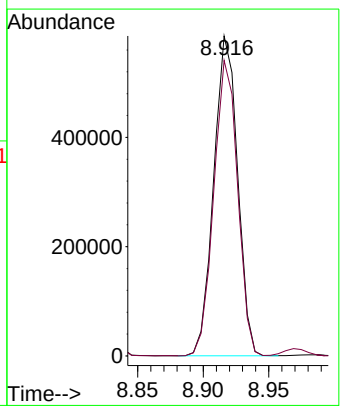


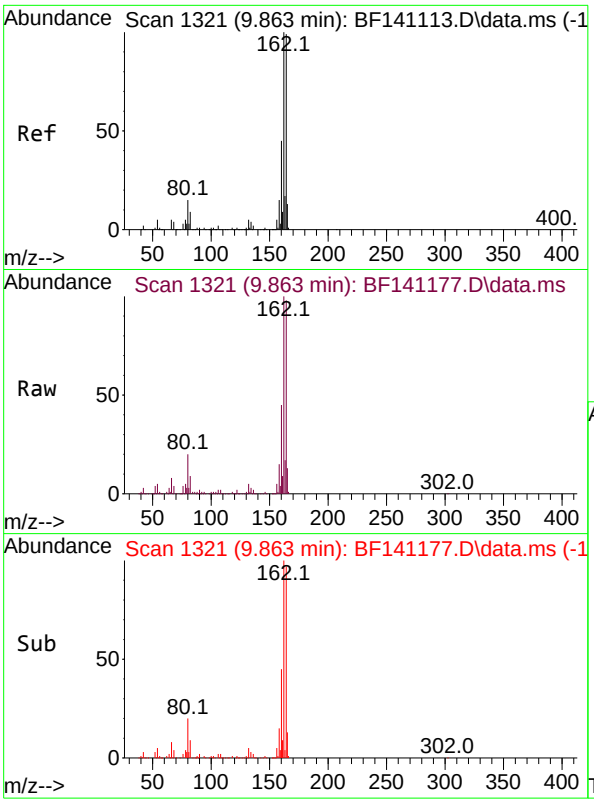




#38
1-Methylnaphthalene
Concen: 37.443 ng
RT: 8.916 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:142 Resp: 740167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.3 | 73.1 | 109.7 |



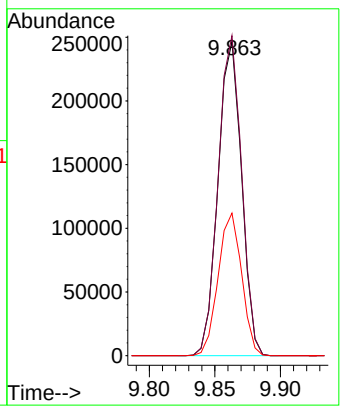


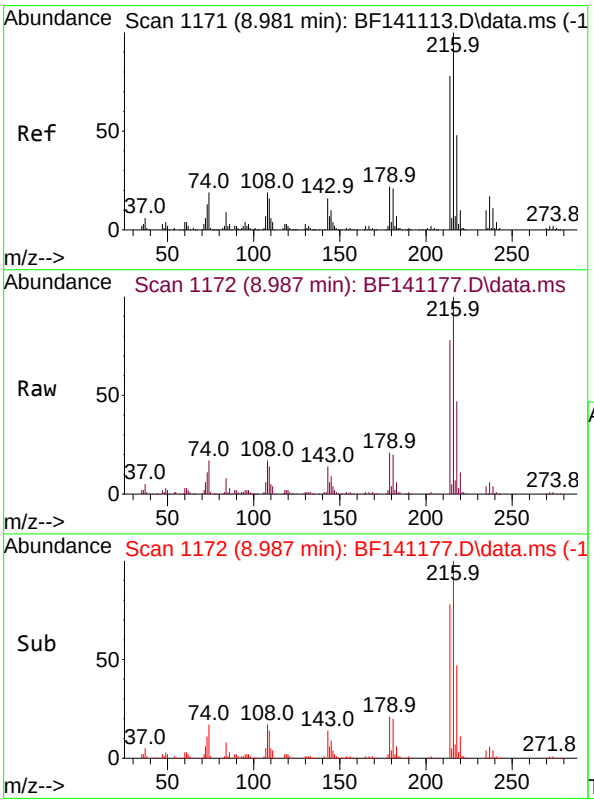

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:164 Resp: 306781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.9 | 81.0 | 121.4 |
| 160 | 45.4 | 36.1 | 54.1 |

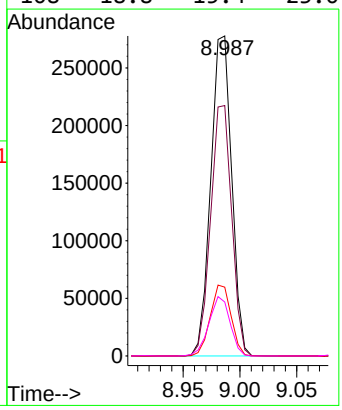


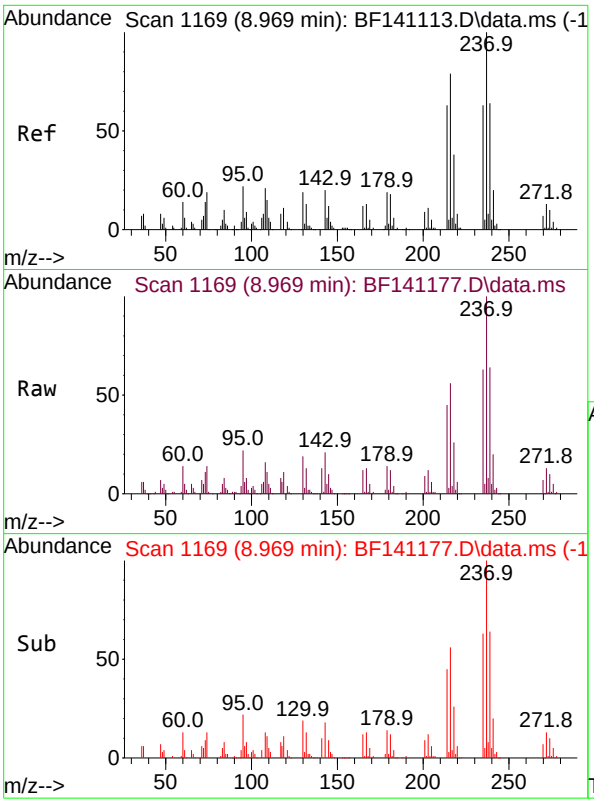




#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.428 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:216 Resp: 355979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.7 | 62.6 | 94.0 |
| 179 | 22.0 | 17.7 | 26.5 |
| 108 | 18.8 | 15.4 | 23.0 |



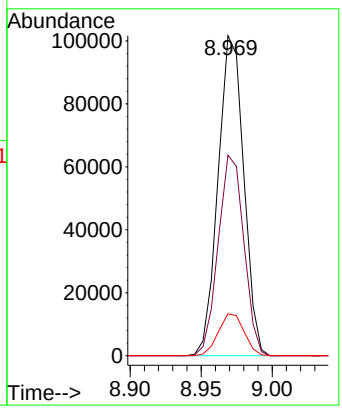


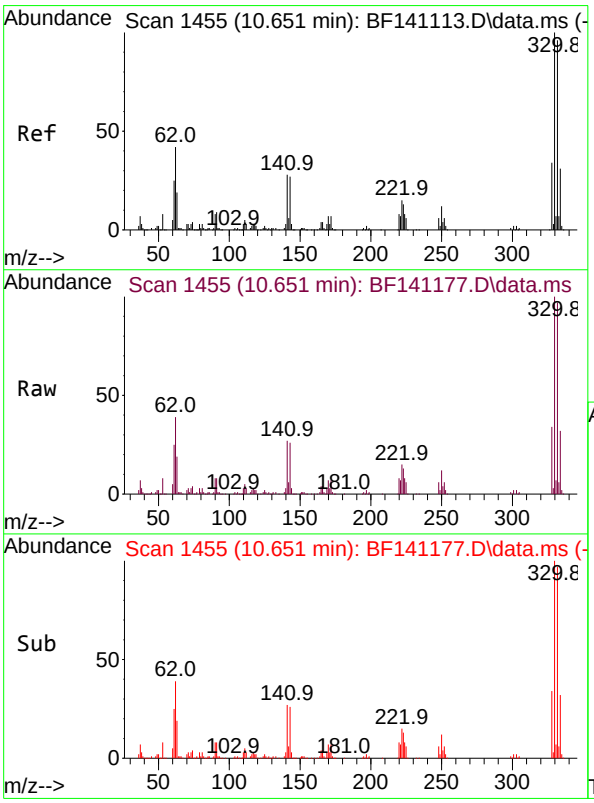

#41
Hexachlorocyclopentadiene
Concen: 44.331 ng
RT: 8.969 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:237 Resp: 127706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.7 | 43.0 | 83.0 |
| 272 | 13.1 | 0.0 | 33.0 |

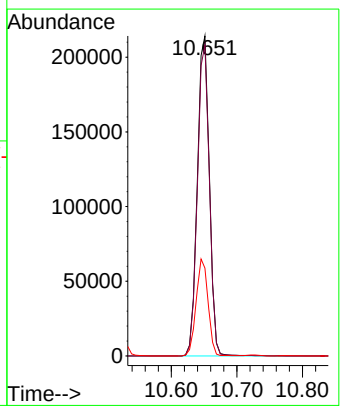


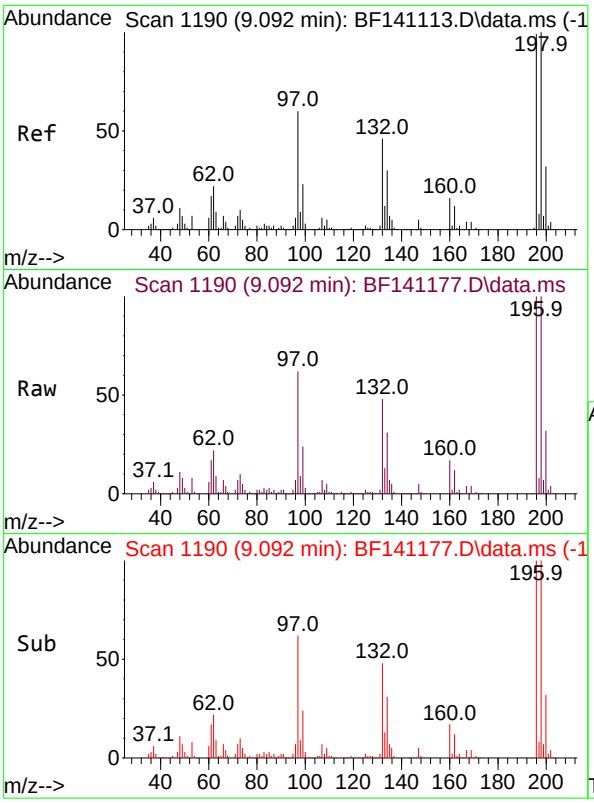




#42
2,4,6-Tribromophenol
Concen: 78.336 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:330 Resp: 273830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.9 | 76.9 | 115.3 |
| 141 | 30.1 | 25.2 | 37.8 |



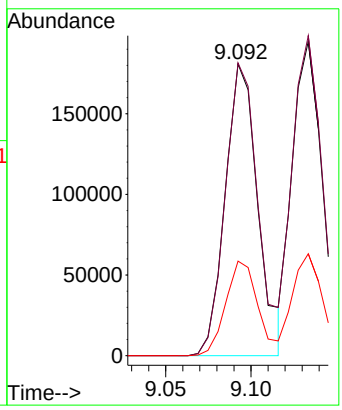


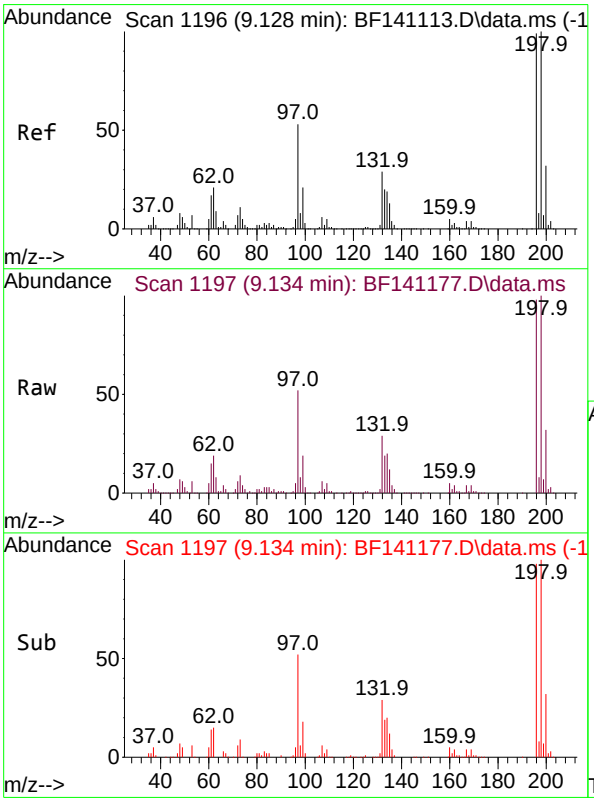

#43
2,4,6-Trichlorophenol
Concen: 40.545 ng
RT: 9.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:196 Resp: 240779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.4 | 80.8 | 121.2 |
| 200 | 32.4 | 25.7 | 38.5 |

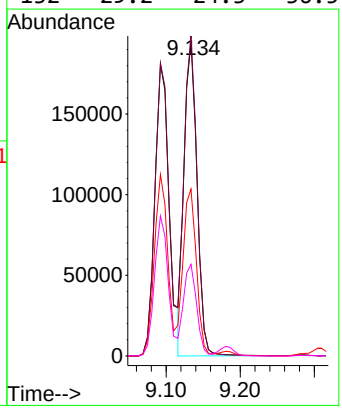


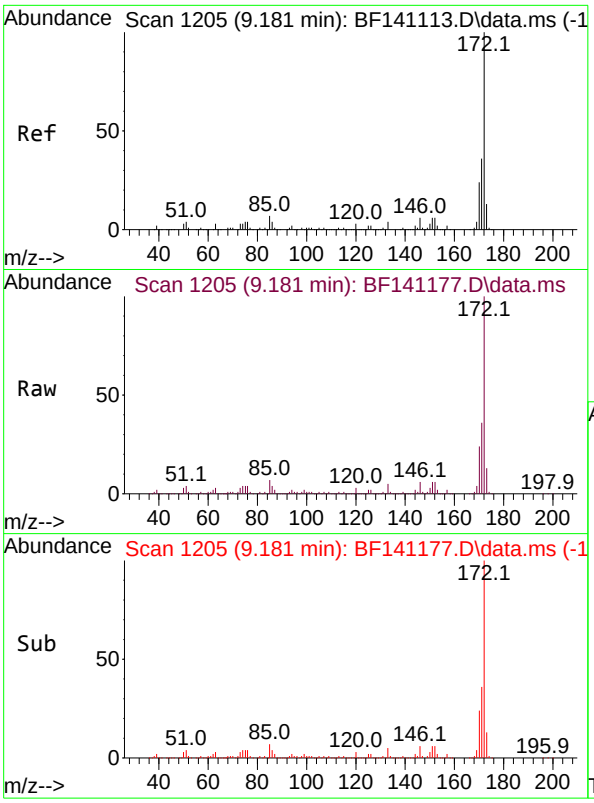




#44
2,4,5-Trichlorophenol
Concen: 38.100 ng
RT: 9.134 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:196 Resp: 238958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.8 | 80.6 | 120.8 |
| 97 | 53.1 | 43.1 | 64.7 |
| 132 | 29.2 | 24.3 | 36.5 |



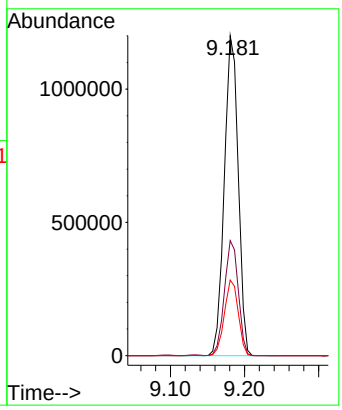


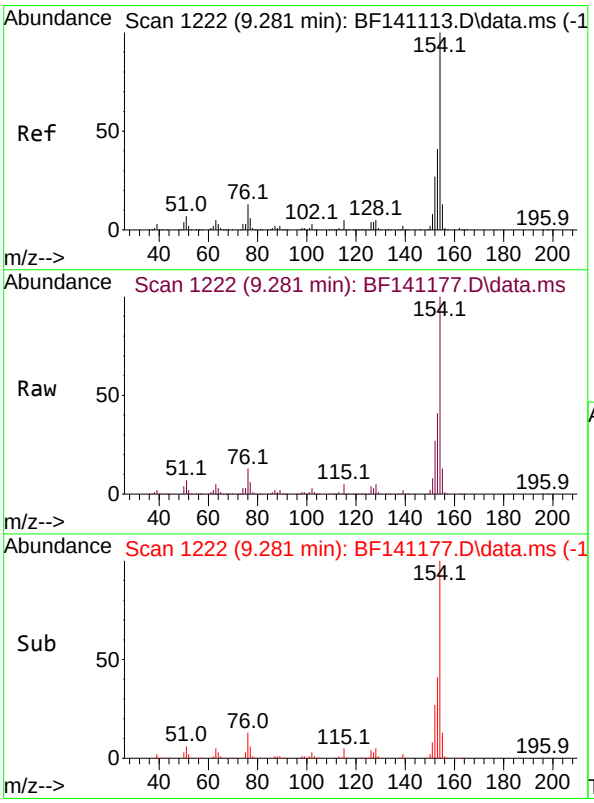

#45
2-Fluorobiphenyl
Concen: 78.008 ng
RT: 9.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:172 Resp: 1567171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 28.7 | 43.1 |
| 170 | 23.6 | 19.0 | 28.6 |

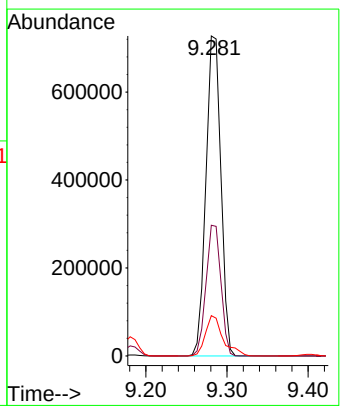


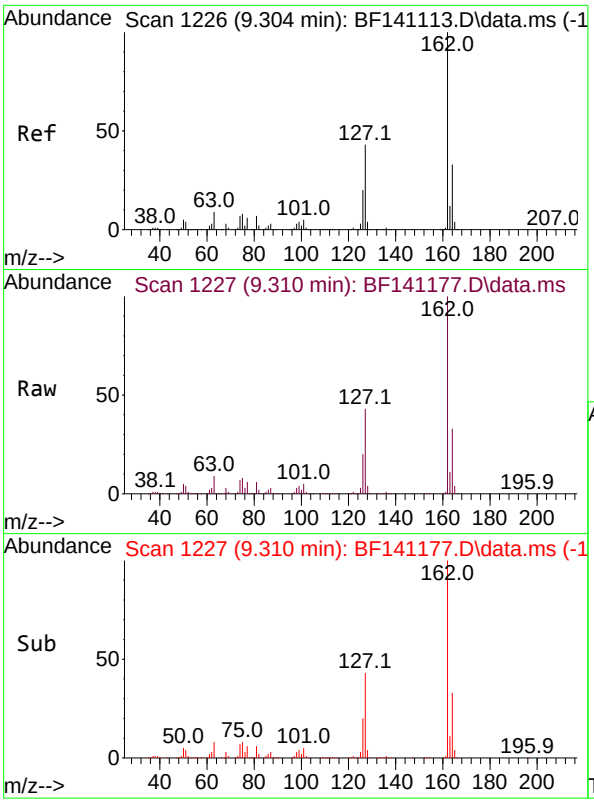




#46
1,1'-Biphenyl
Concen: 38.975 ng
RT: 9.281 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:154 Resp: 928568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.9 | 20.7 | 60.7 |
| 76 | 12.6 | 0.0 | 33.1 |



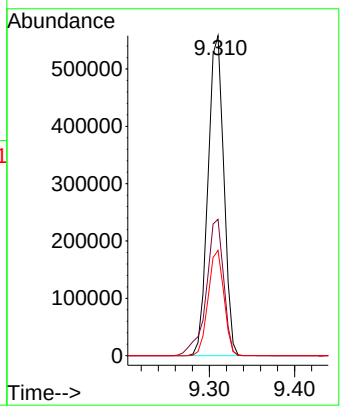


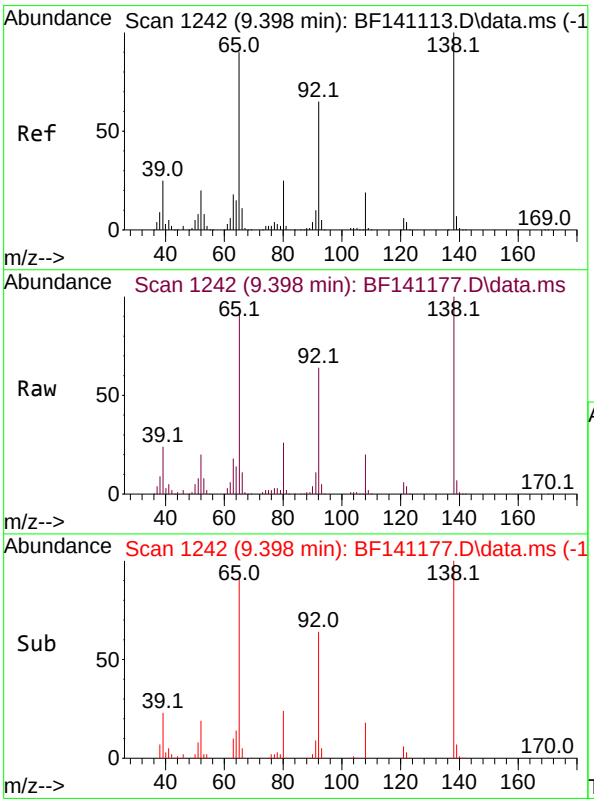

#47
2-Chloronaphthalene
Concen: 38.731 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:162 Resp: 718713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.6 | 34.6 | 51.8 |
| 164 | 32.9 | 26.5 | 39.7 |

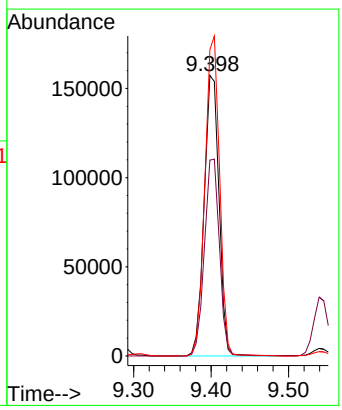


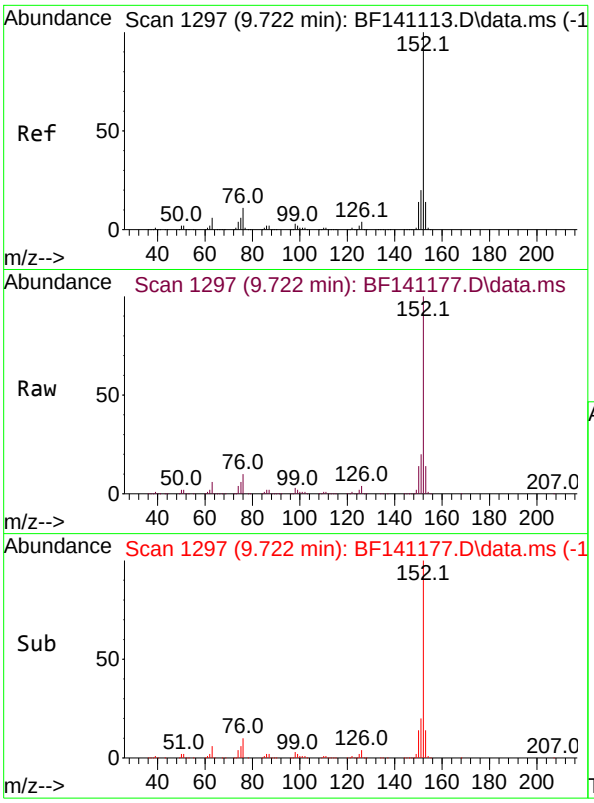




#48
2-Nitroaniline
Concen: 38.092 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion: 65 Resp: 209535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 69.8 | 58.3 | 87.5 |
| 138 | 109.2 | 89.1 | 133.7 |



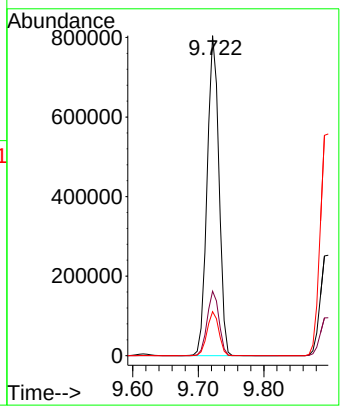


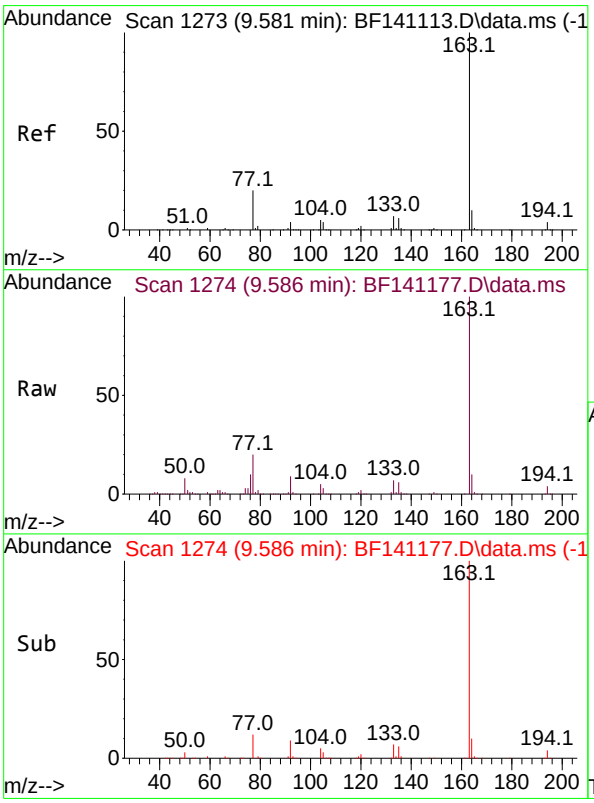

#49
Acenaphthylene
Concen: 38.028 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:152 Resp: 1008177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.1 | 24.1 |
| 153 | 13.8 | 11.1 | 16.7 |

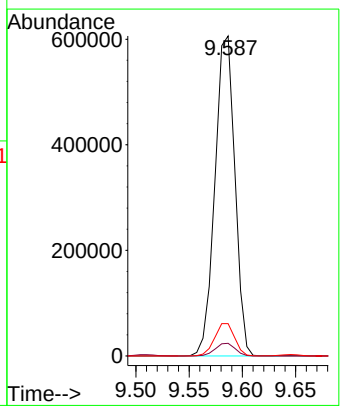


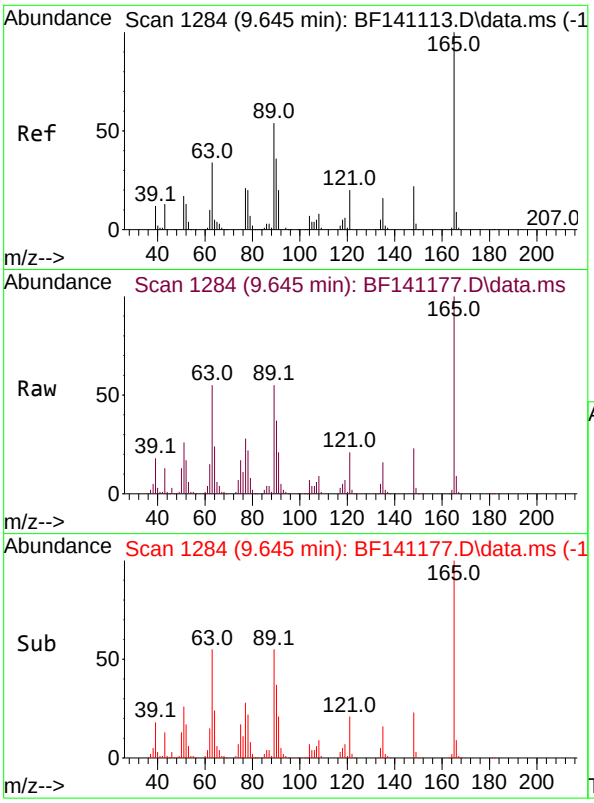




#50
Dimethylphthalate
Concen: 38.279 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:163 Resp: 788370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.0 | 4.6 |
| 164 | 10.1 | 8.2 | 12.4 |



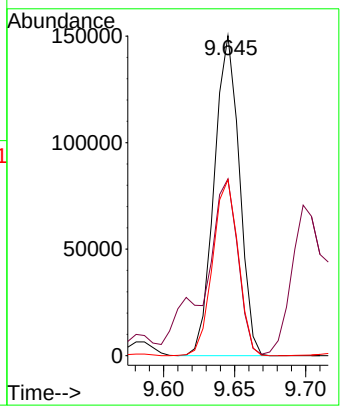


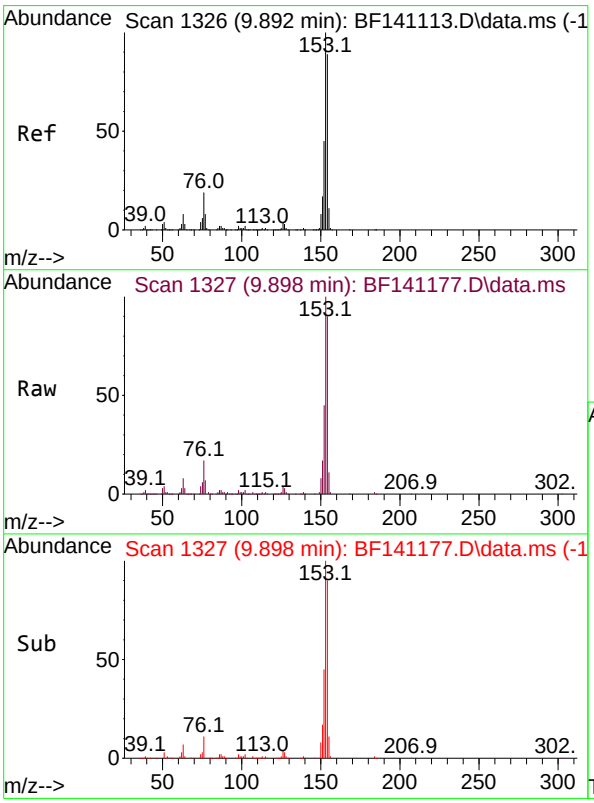

#51
2,6-Dinitrotoluene
Concen: 38.603 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:165 Resp: 184885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 55.3 | 42.3 | 63.5 |
| 89 | 55.0 | 43.1 | 64.7 |

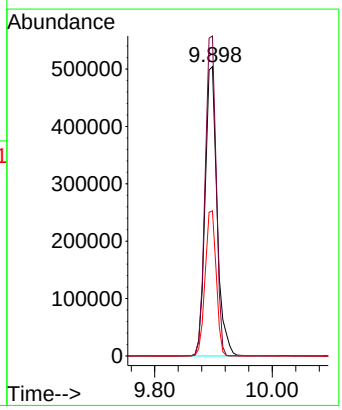


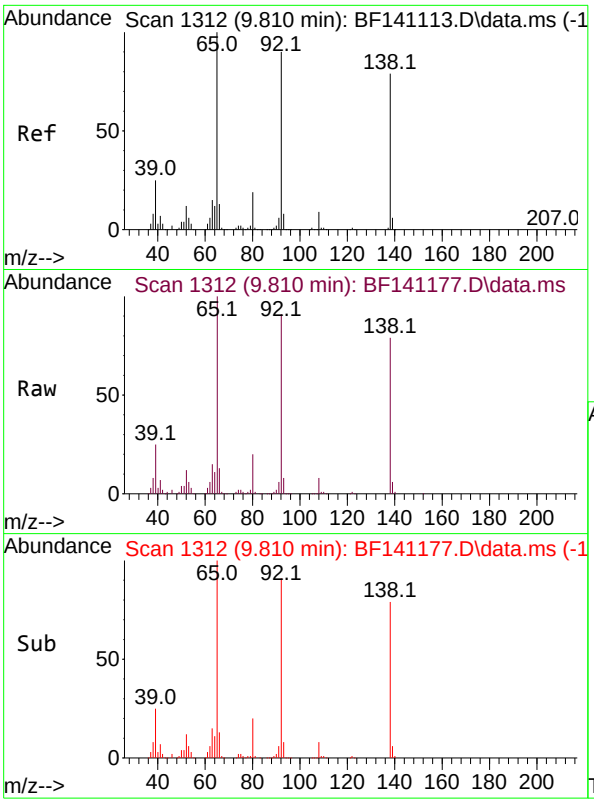




#52
Acenaphthene
Concen: 38.818 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:154 Resp: 719005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.6 | 89.8 | 134.6 |
| 152 | 50.1 | 40.8 | 61.2 |



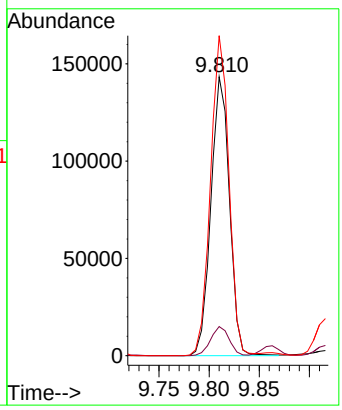


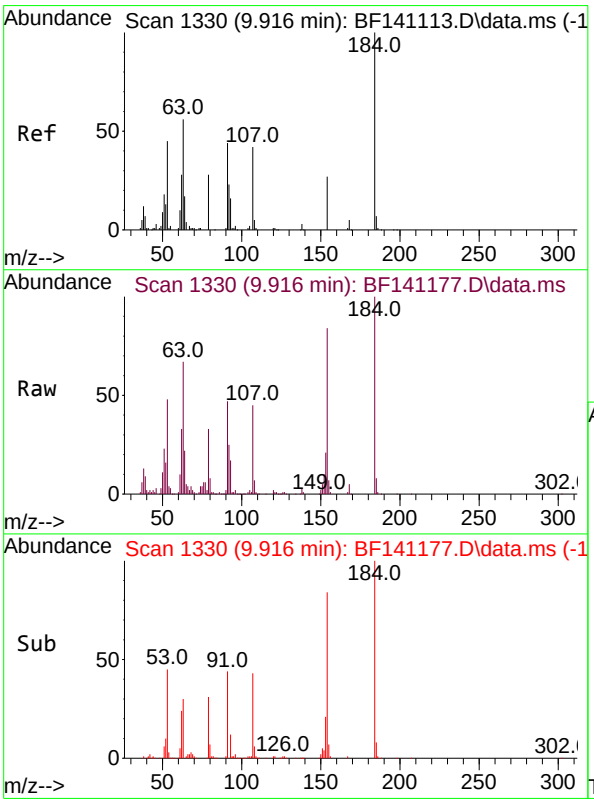

#53
3-Nitroaniline
Concen: 37.891 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:138 Resp: 184415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.4 | 8.8 | 13.2 |
| 92 | 114.7 | 91.3 | 136.9 |

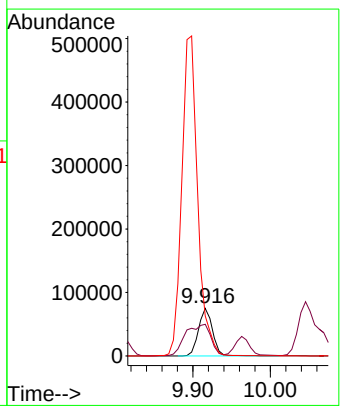


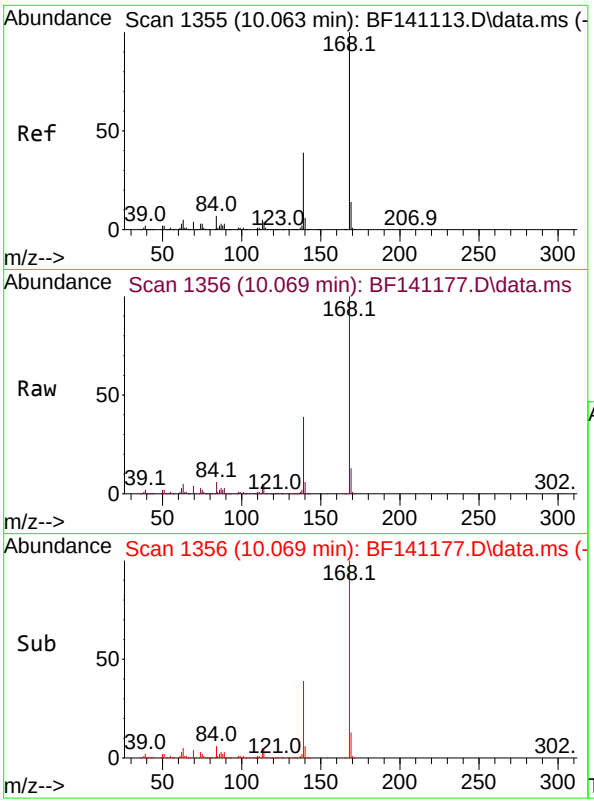




#54
2,4-Dinitrophenol
Concen: 41.509 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:184 Resp: 94494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 66.6 | 48.7 | 73.1 |
| 154 | 84.2 | 57.1 | 85.7 |



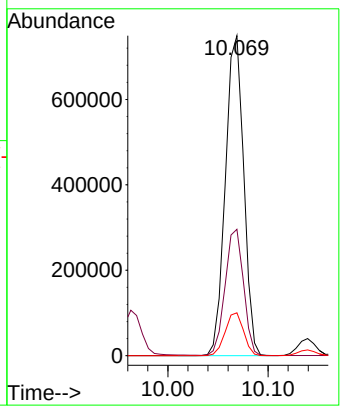


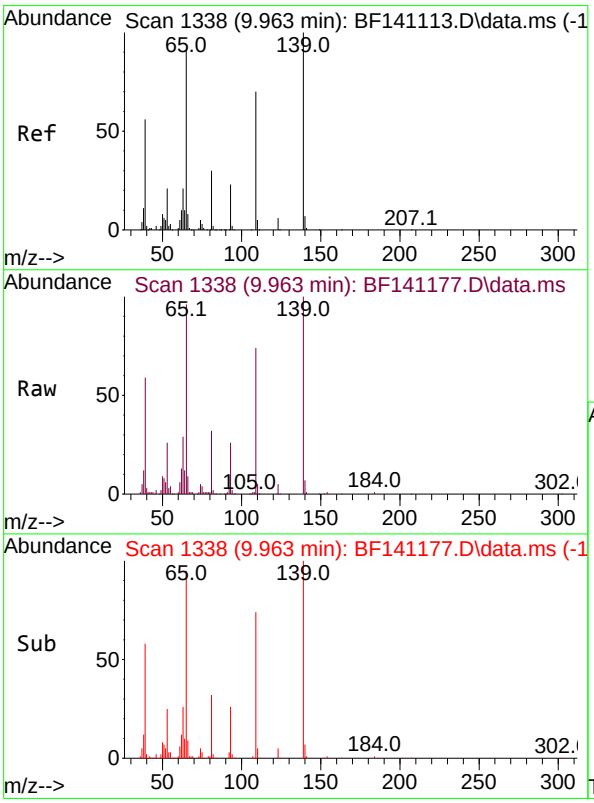

#55
Dibenzofuran
Concen: 37.820 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:168 Resp: 952828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.5 | 31.4 | 47.0 |
| 169 | 13.4 | 10.9 | 16.3 |

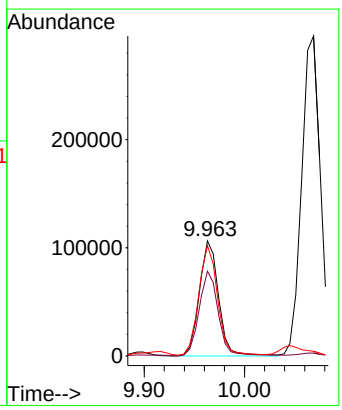


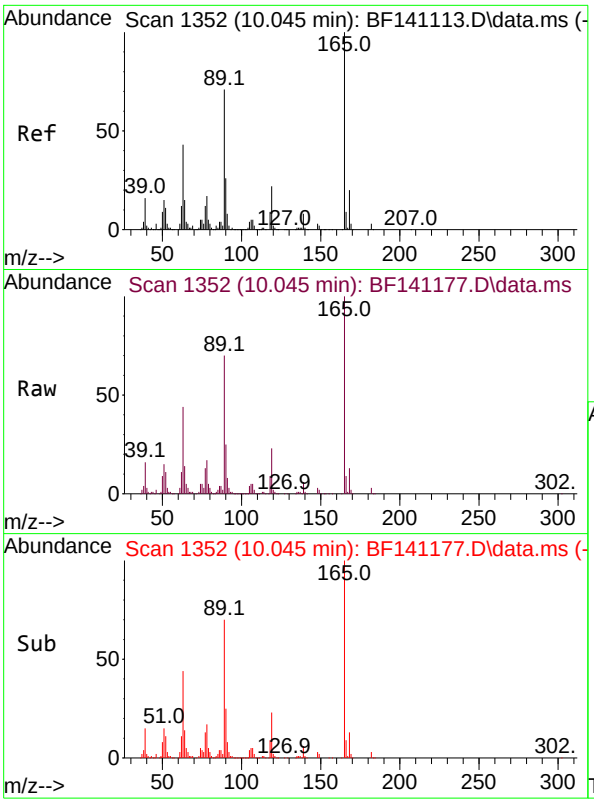




#56
4-Nitrophenol
Concen: 37.319 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:139 Resp: 142248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 73.7 | 50.2 | 90.2 |
| 65 | 96.0 | 72.1 | 112.1 |



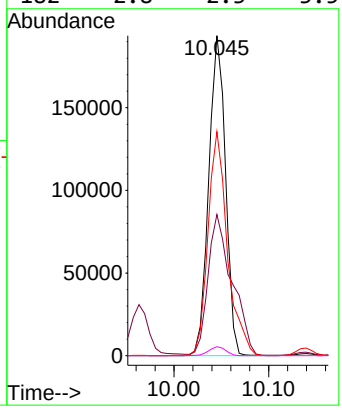


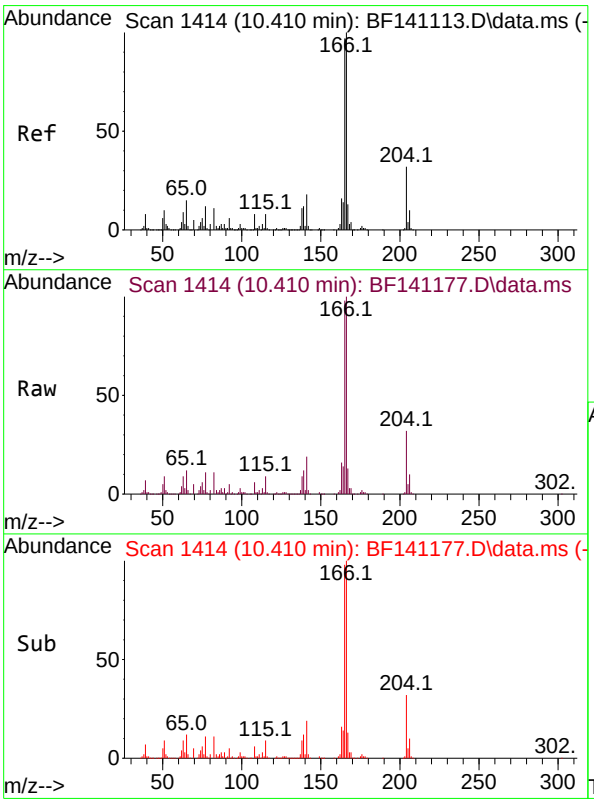

#57
2,4-Dinitrotoluene
Concen: 38.724 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:165 Resp: 239012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 44.1 | 35.0 | 52.4 |
| 89 | 70.0 | 56.7 | 85.1 |
| 182 | 2.8 | 2.3 | 3.5 |

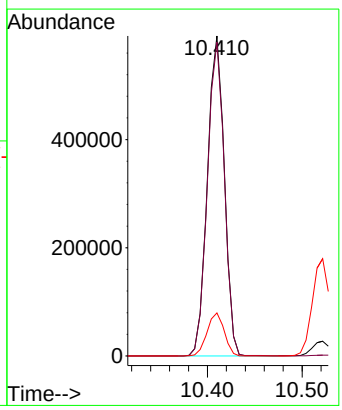


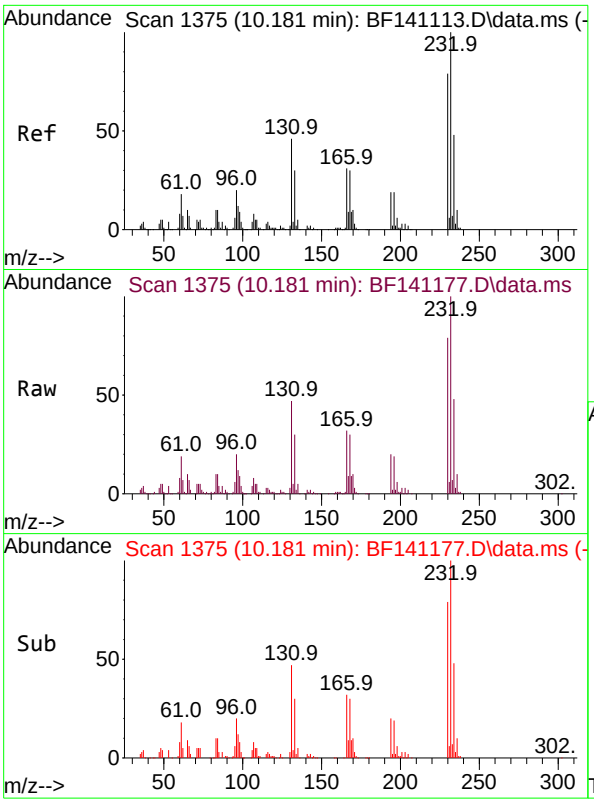




#58
Fluorene
Concen: 37.619 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:166 Resp: 736330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.1 | 77.8 | 116.8 |
| 167 | 13.5 | 10.8 | 16.2 |



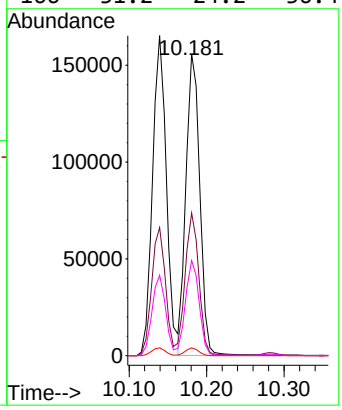


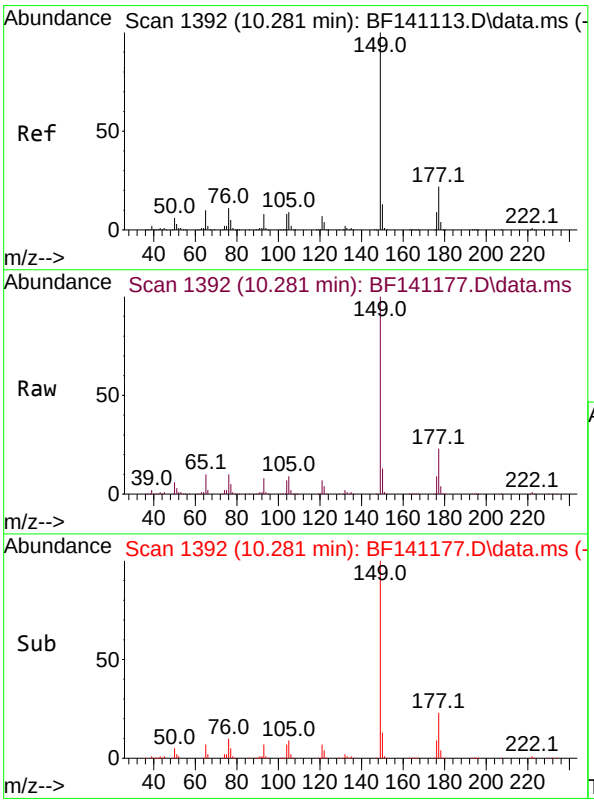

#59
2,3,4,6-Tetrachlorophenol
Concen: 37.093 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:232 Resp: 193373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 47.4 | 36.2 | 54.4 |
| 130 | 2.5 | 2.0 | 3.0 |
| 166 | 31.2 | 24.2 | 36.4 |

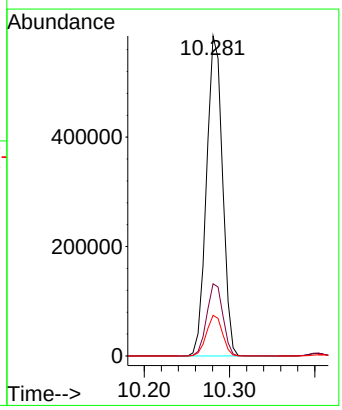


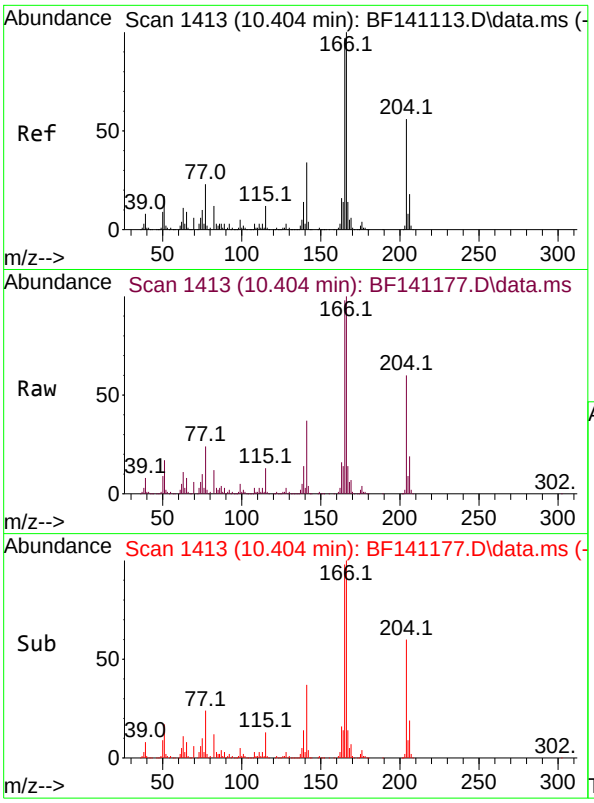




#60
Diethylphthalate
Concen: 37.910 ng
RT: 10.281 min Scan# 1392
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:149 Resp: 762235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.6 | 17.9 | 26.9 |
| 150 | 12.7 | 10.2 | 15.2 |



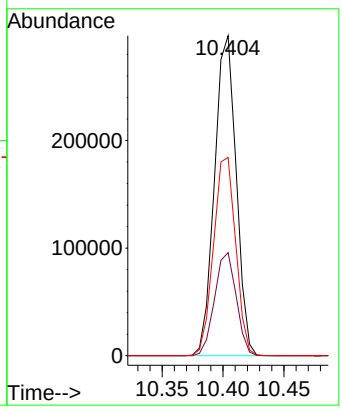


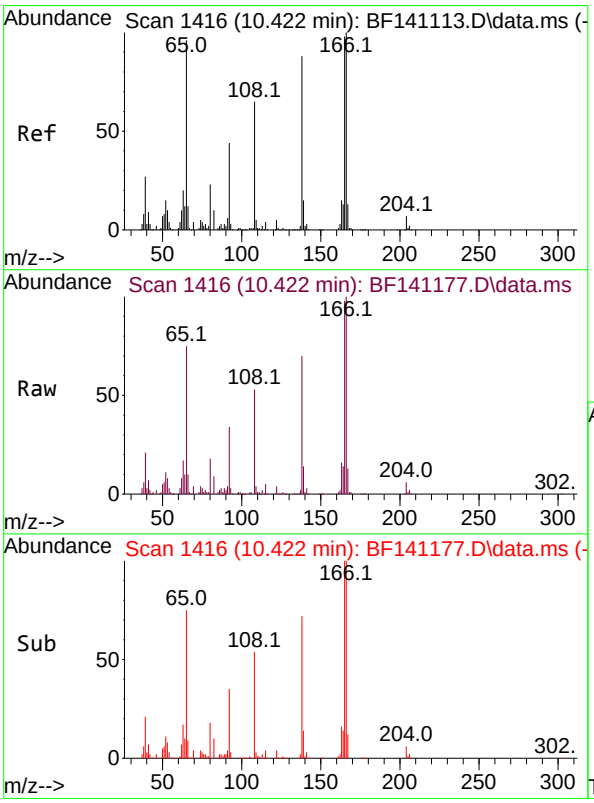

#61
4-Chlorophenyl-phenylether
Concen: 38.643 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:204 Resp: 368642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.2 | 25.9 | 38.9 |
| 141 | 62.0 | 49.1 | 73.7 |

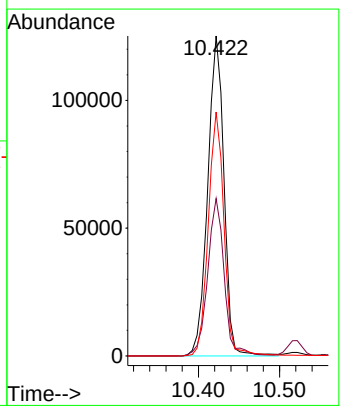


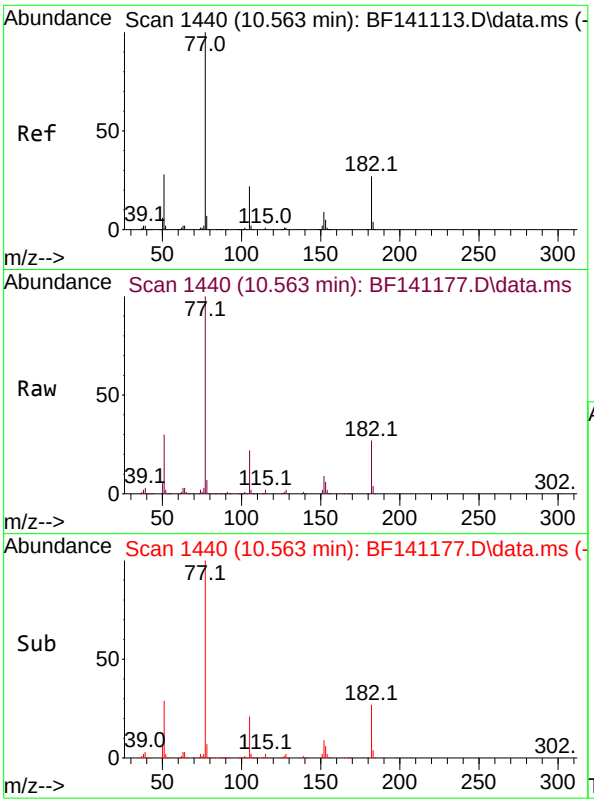




#62
4-Nitroaniline
Concen: 36.544 ng
RT: 10.422 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:138 Resp: 174083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.2 | 29.4 | 69.4 |
| 108 | 76.2 | 53.7 | 93.7 |



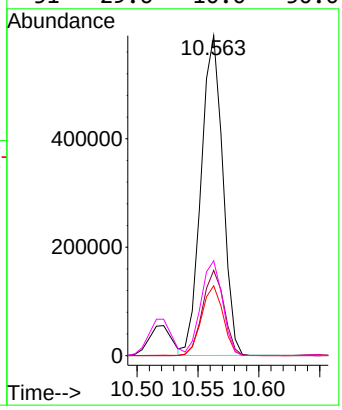


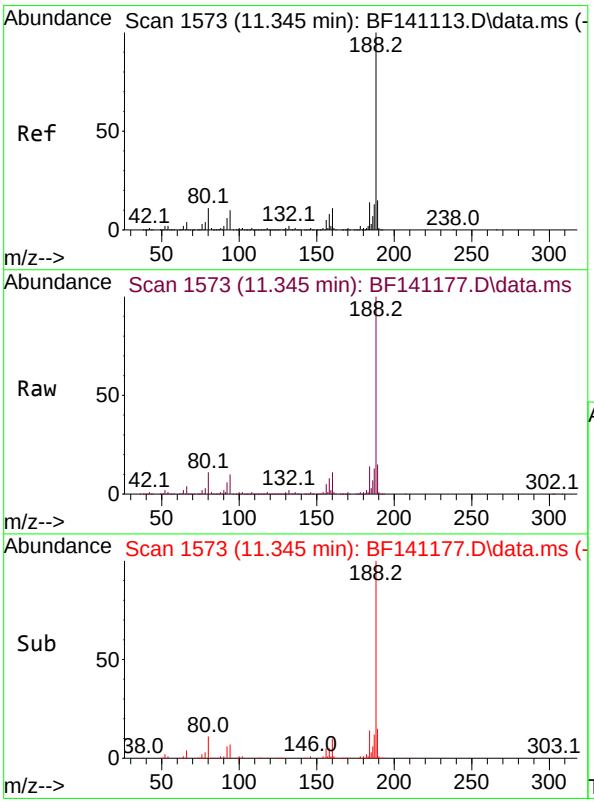

#63
Azobenzene
Concen: 36.811 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 77 Resp: 730307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.7 | 6.1 | 46.1 |
| 105 | 21.8 | 2.1 | 42.1 |
| 51 | 29.6 | 10.0 | 50.0 |

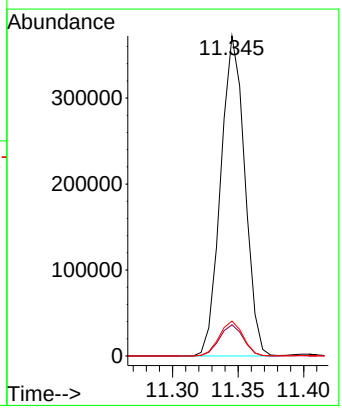


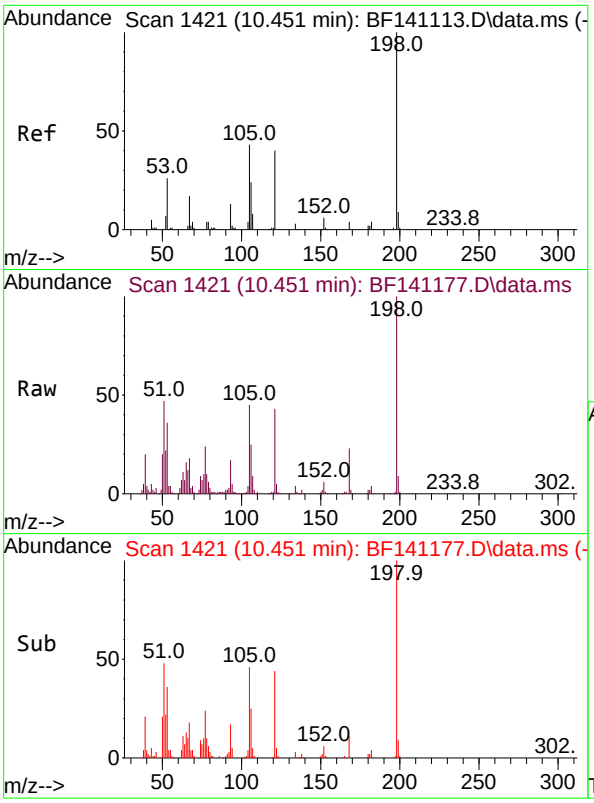




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:188 Resp: 475484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.7 | 8.3 | 12.5 |
| 80 | 10.9 | 9.0 | 13.4 |



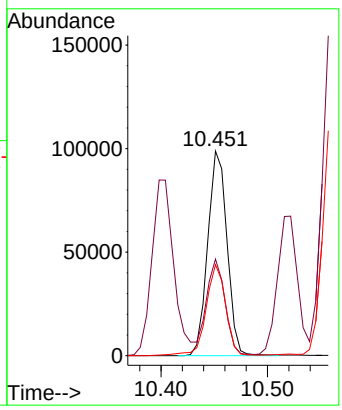


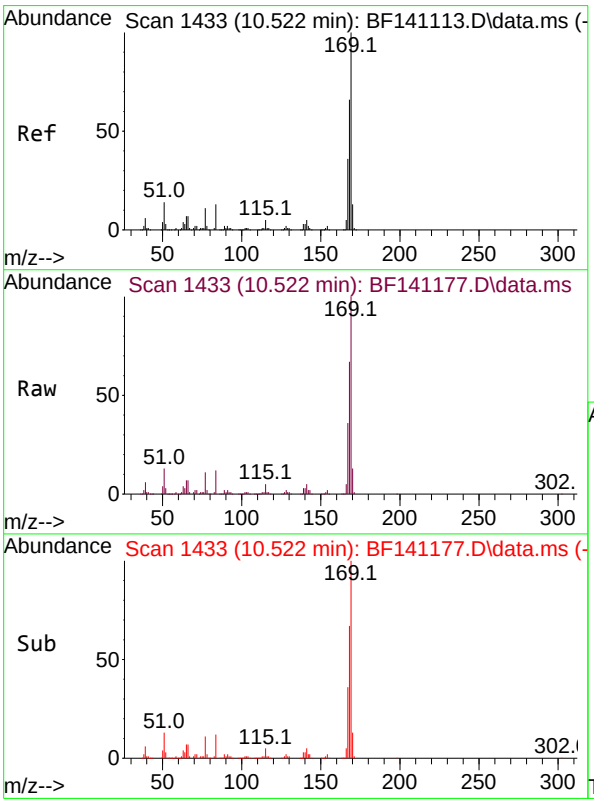

#65
4,6-Dinitro-2-methylphenol
Concen: 45.140 ng
RT: 10.451 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:198 Resp: 124375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 47.2 | 27.1 | 67.1 |
| 105 | 44.5 | 24.2 | 64.2 |

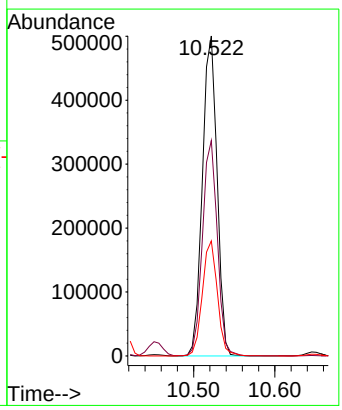


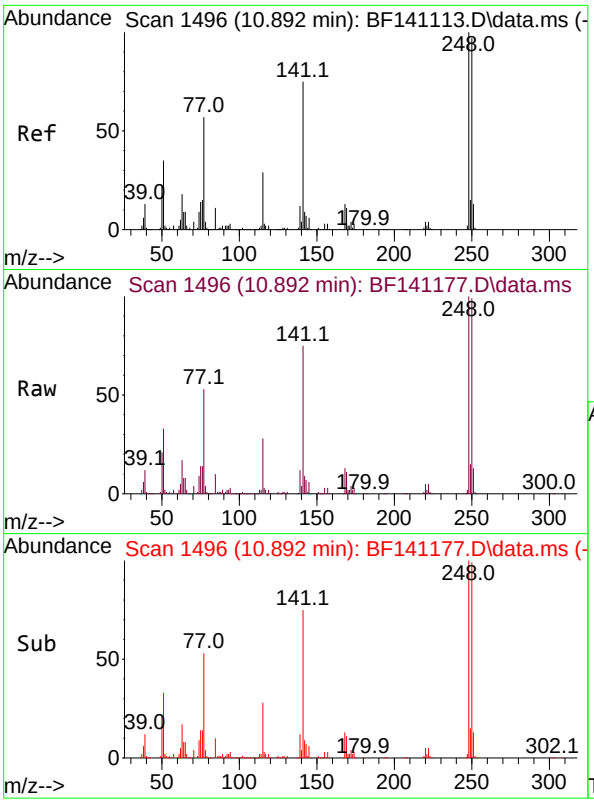




#66
n-Nitrosodiphenylamine
Concen: 40.942 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:169 Resp: 627905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.3 | 52.5 | 78.7 |
| 167 | 36.0 | 28.9 | 43.3 |



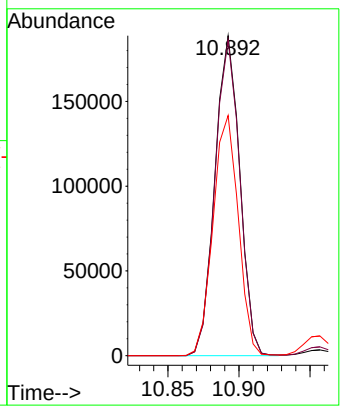


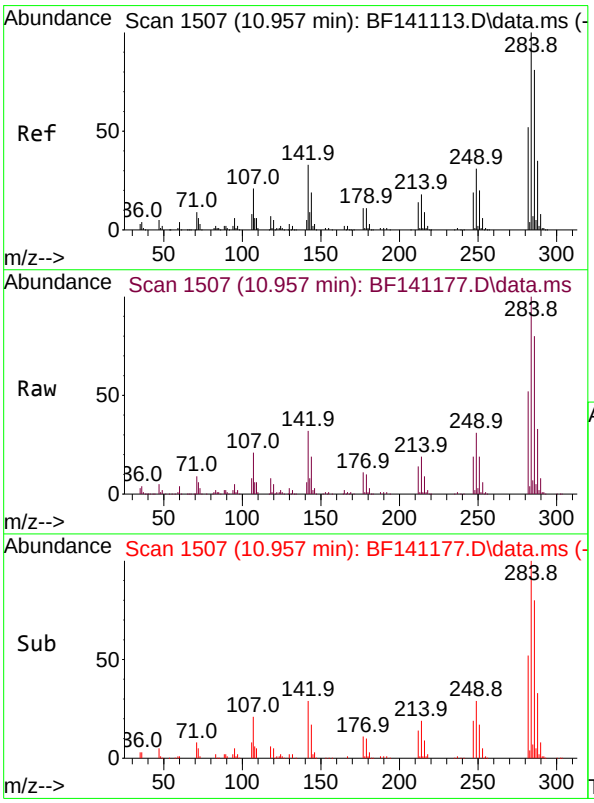

#67
4-Bromophenyl-phenylether
Concen: 42.040 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:248 Resp: 230138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.7 | 77.9 | 116.9 |
| 141 | 75.1 | 59.9 | 89.9 |

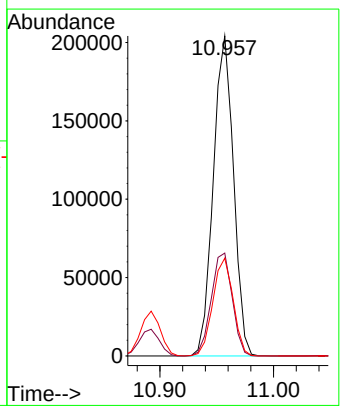


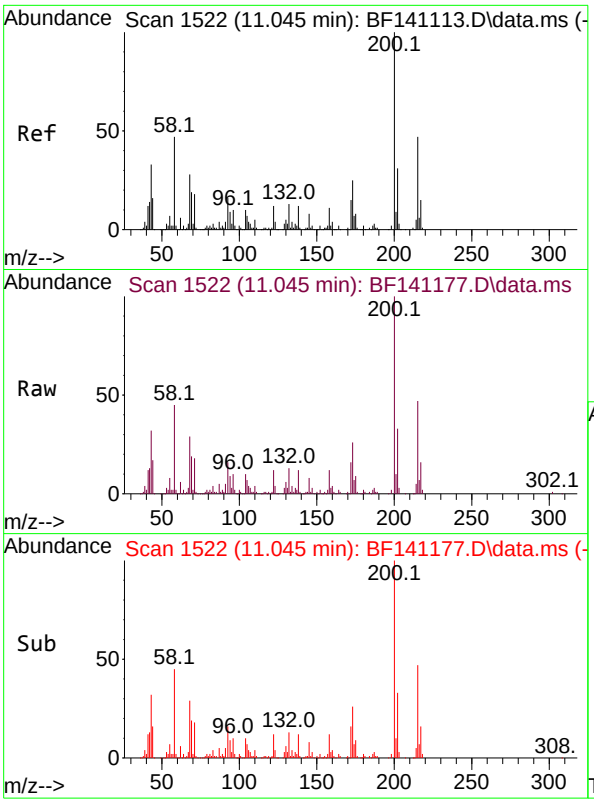




#68
Hexachlorobenzene
Concen: 41.461 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:284 Resp: 252658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.1 | 26.3 | 39.5 |
| 249 | 30.5 | 24.9 | 37.3 |



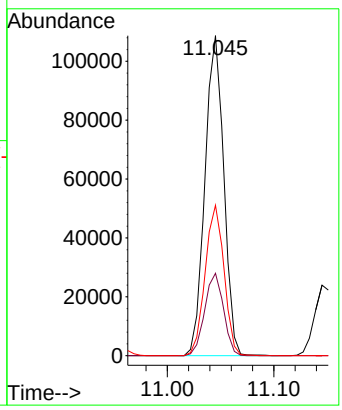


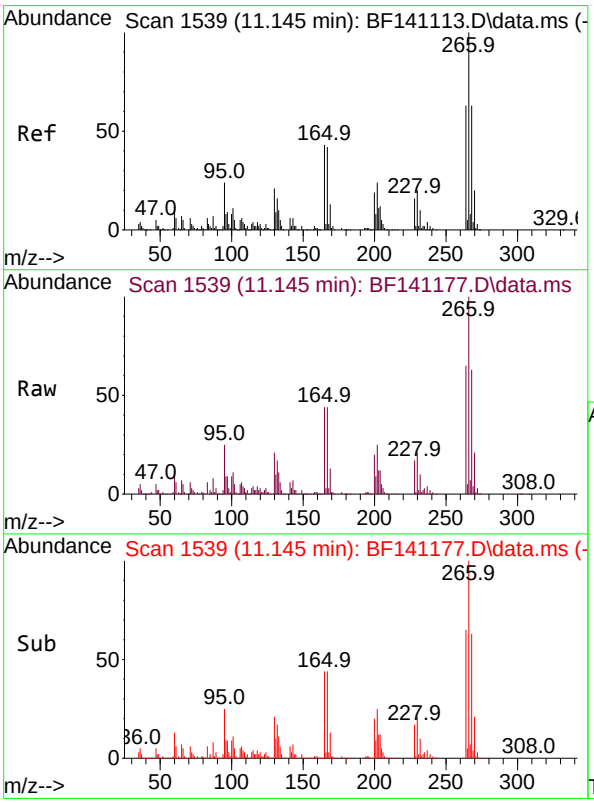

#69
Atrazine
Concen: 32.424 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:200 Resp: 133894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.7 | 5.4 | 45.4 |
| 215 | 47.0 | 26.6 | 66.6 |

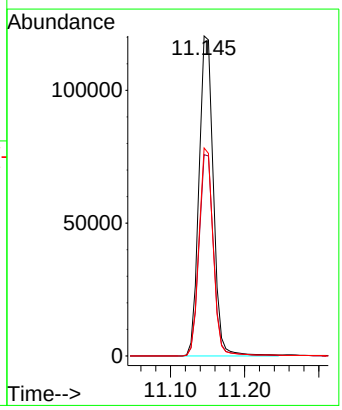


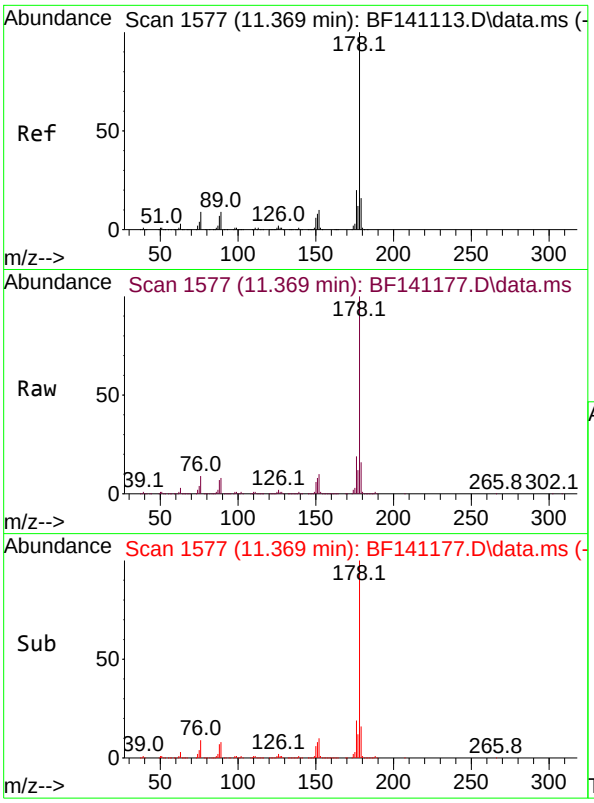




#70
Pentachlorophenol
Concen: 41.683 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:266 Resp: 162667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.9 | 50.4 | 75.6 |
| 264 | 65.0 | 50.2 | 75.2 |



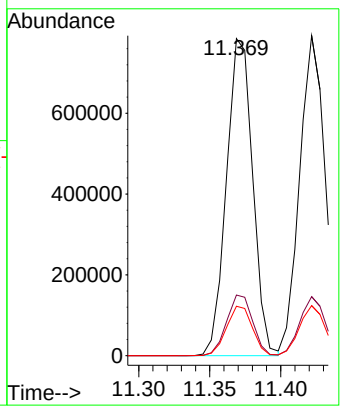


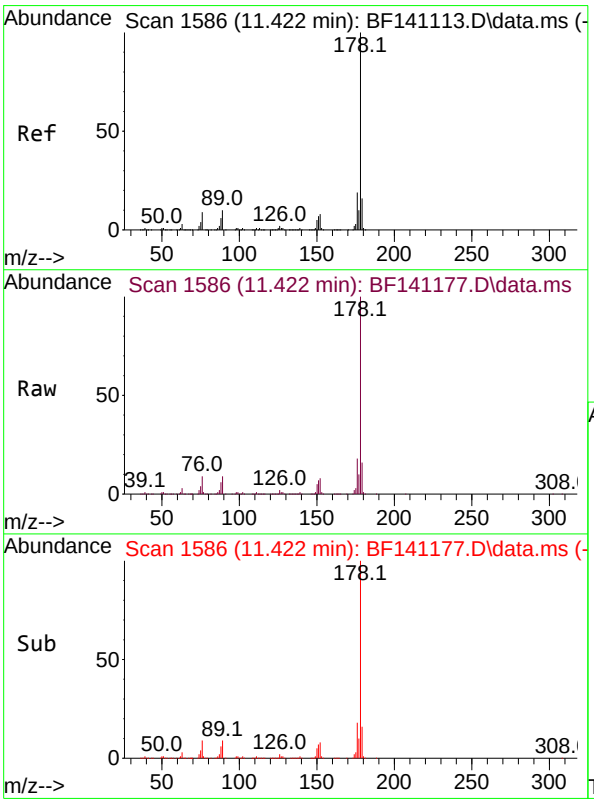

#71
Phenanthrene
Concen: 39.531 ng
RT: 11.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:178 Resp: 1009123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.7 | 23.5 |
| 179 | 15.6 | 12.6 | 19.0 |

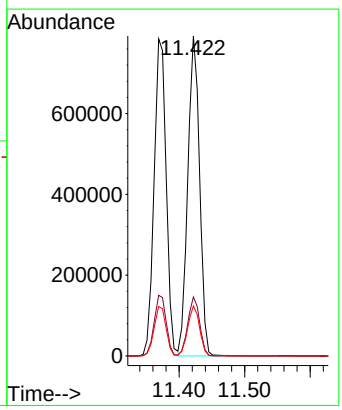


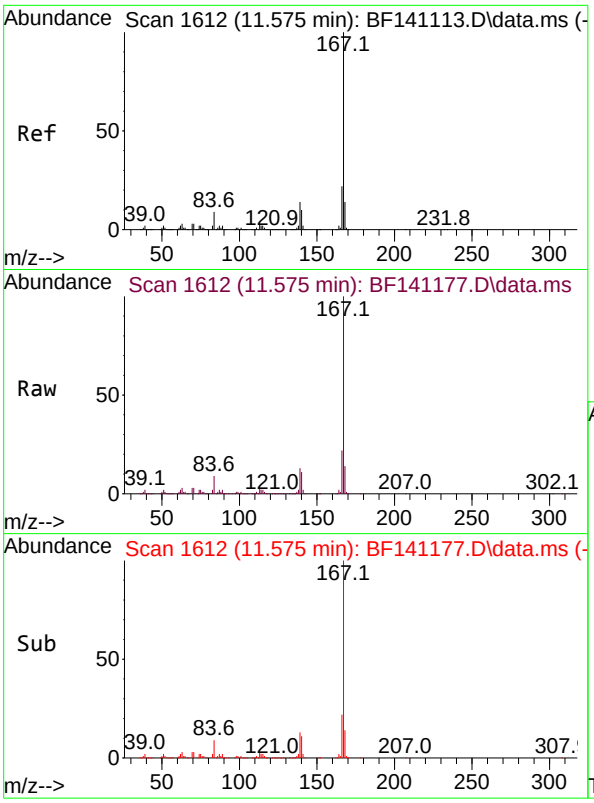




#72
Anthracene
Concen: 39.754 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:178 Resp: 986753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 14.9 | 22.3 |
| 179 | 15.7 | 12.6 | 19.0 |



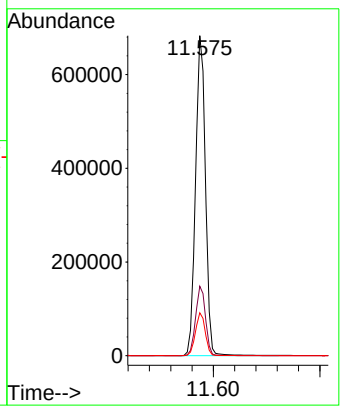


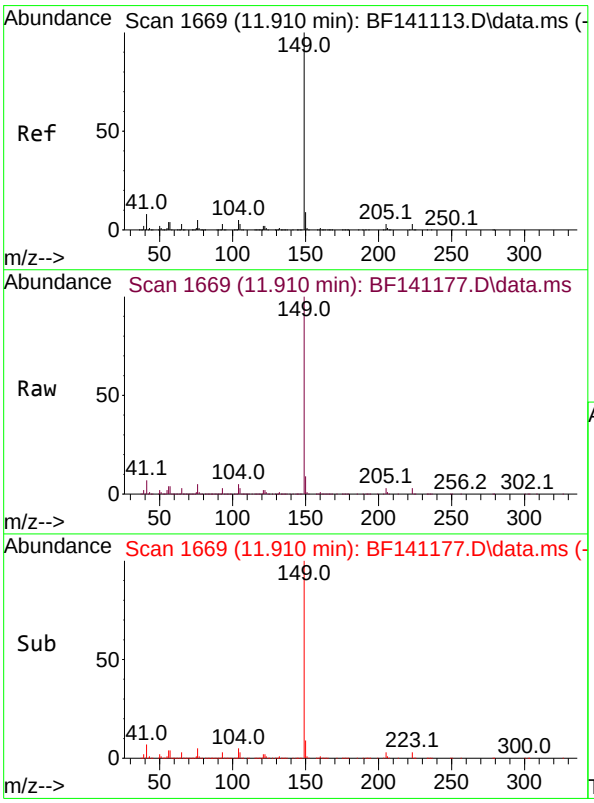

#73
Carbazole
Concen: 38.847 ng
RT: 11.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:167 Resp: 884138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.7 | 17.4 | 26.2 |
| 139 | 13.4 | 10.9 | 16.3 |

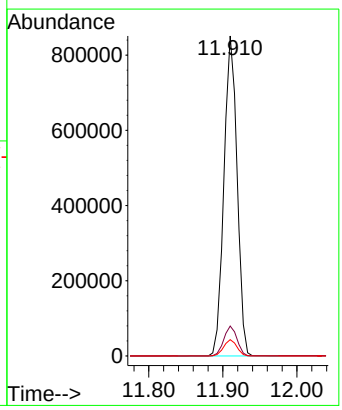


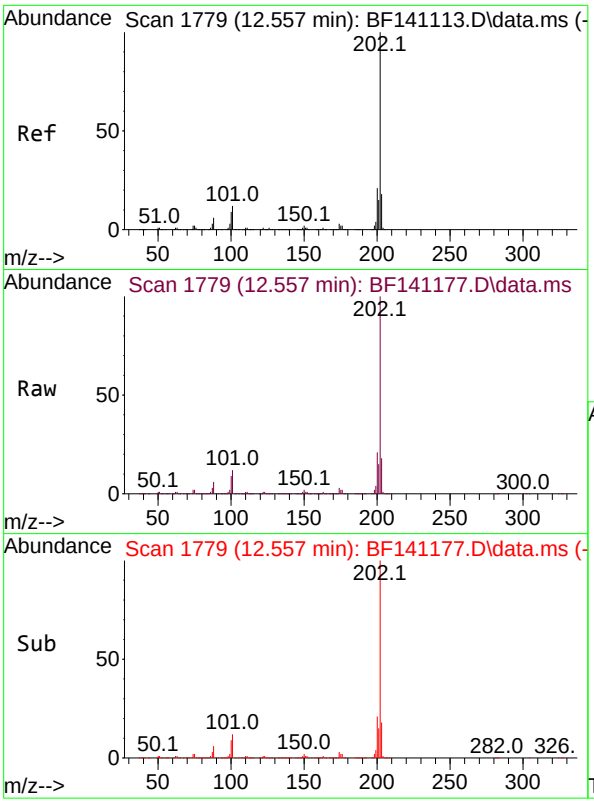




#74
Di-n-butylphthalate
Concen: 40.312 ng
RT: 11.910 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:149 Resp: 1049973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.4 | 11.2 |
| 104 | 5.1 | 4.2 | 6.2 |



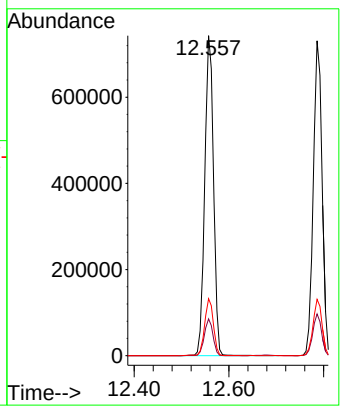


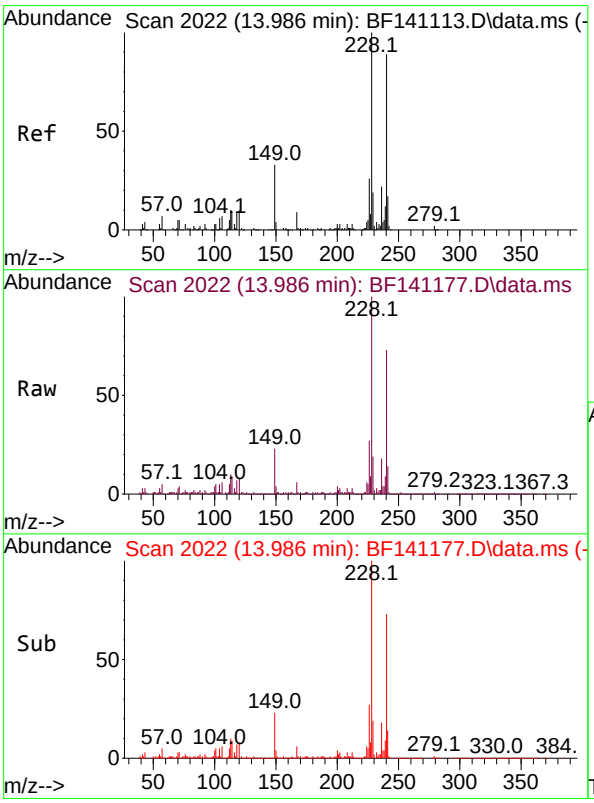

#75
Fluoranthene
Concen: 37.511 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:202 Resp: 955547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.5 | 0.0 | 32.3 |
| 203 | 17.8 | 0.0 | 37.7 |

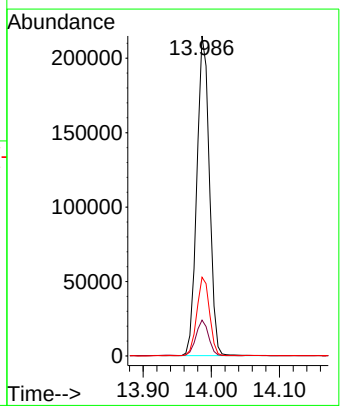


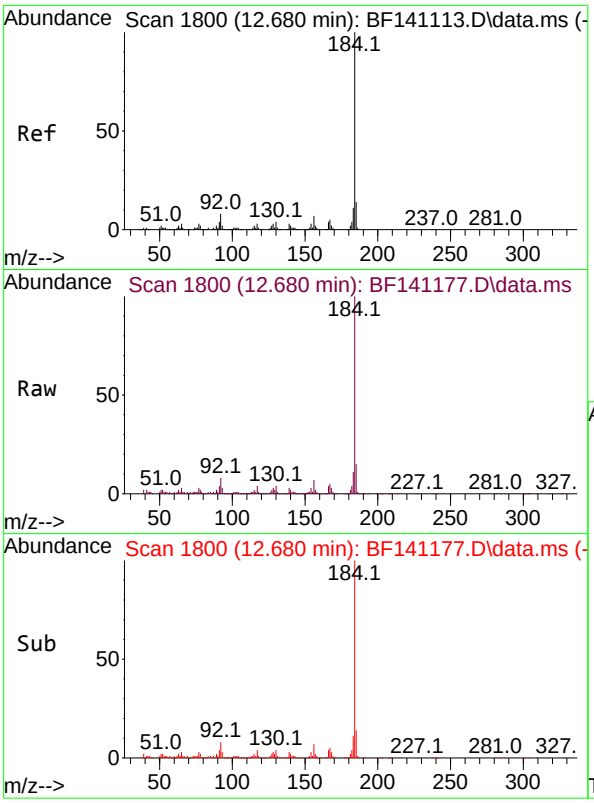




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:240 Resp: 274637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.2 | 9.1 | 13.7 |
| 236 | 24.6 | 19.8 | 29.6 |



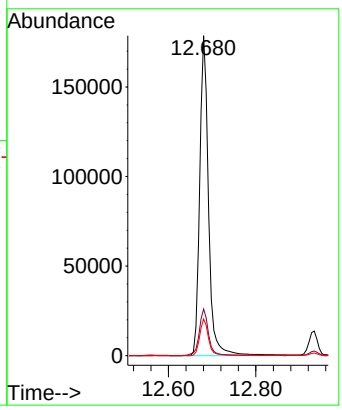


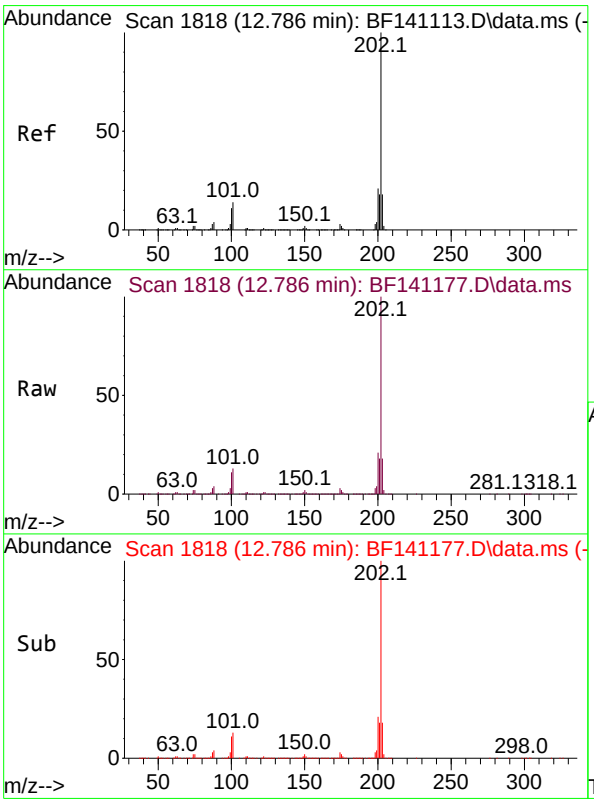

#77
Benzidine
Concen: 49.233 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:184 Resp: 250742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.6 | 11.4 | 17.0 |
| 183 | 11.5 | 9.2 | 13.8 |

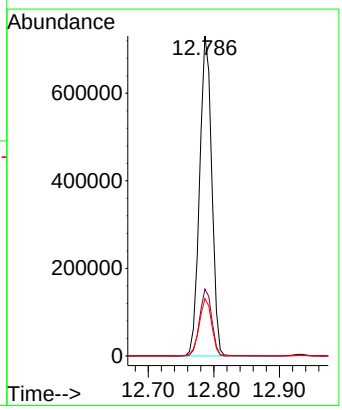


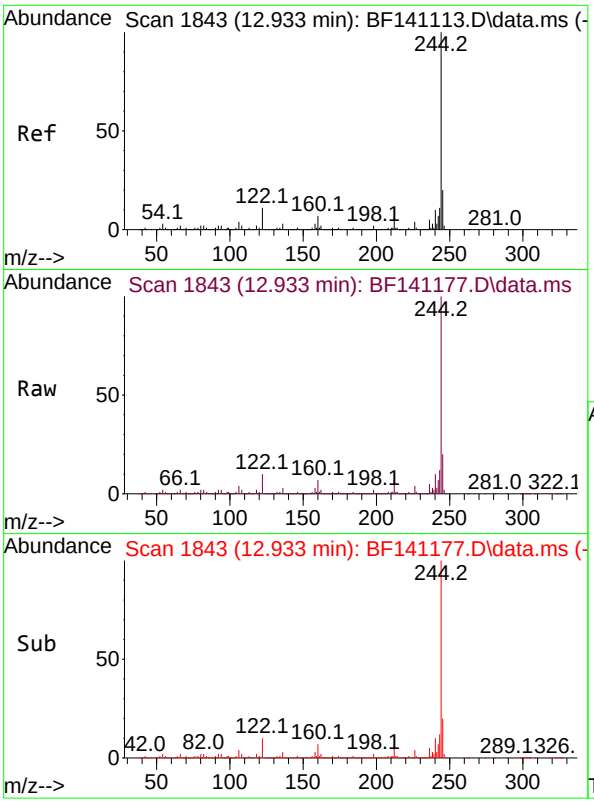




#78
Pyrene
Concen: 35.920 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:202 Resp: 942221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.9 | 16.8 | 25.2 |
| 203 | 17.9 | 14.3 | 21.5 |



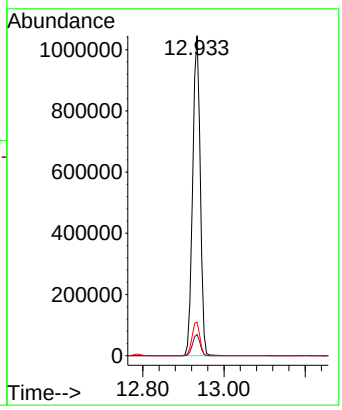


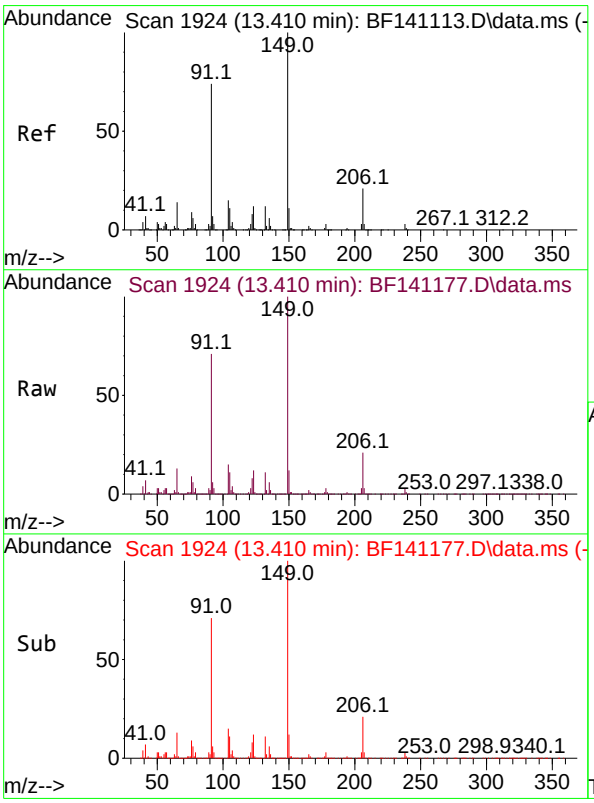

#79
Terphenyl-d14
Concen: 73.438 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:244 Resp: 1356978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.4 | 8.2 |
| 122 | 10.5 | 8.8 | 13.2 |

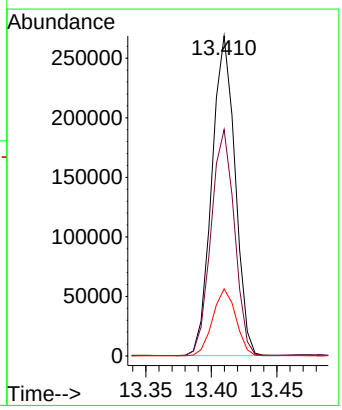


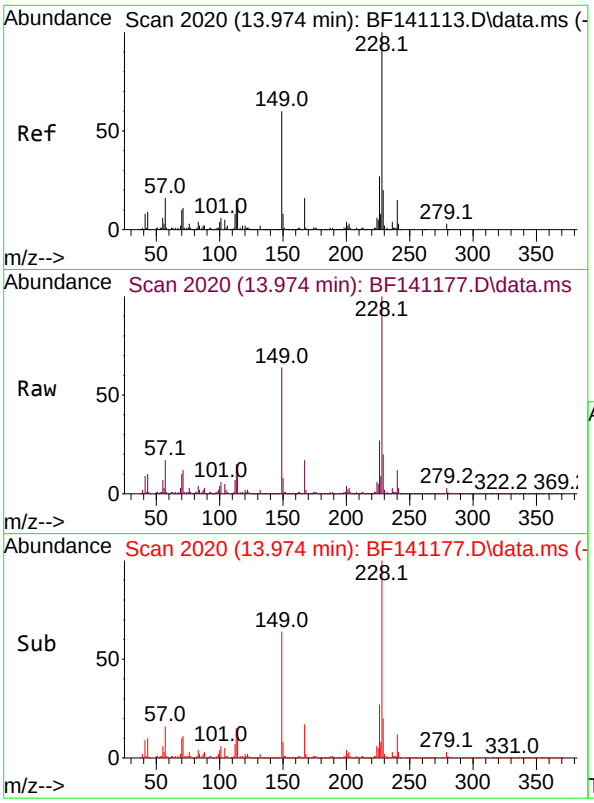




#80
Butylbenzylphthalate
Concen: 37.832 ng
RT: 13.410 min Scan# 1924
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:149 Resp: 330866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 70.8 | 59.0 | 88.6 |
| 206 | 20.9 | 16.5 | 24.7 |



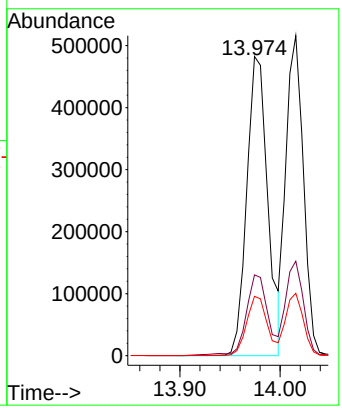


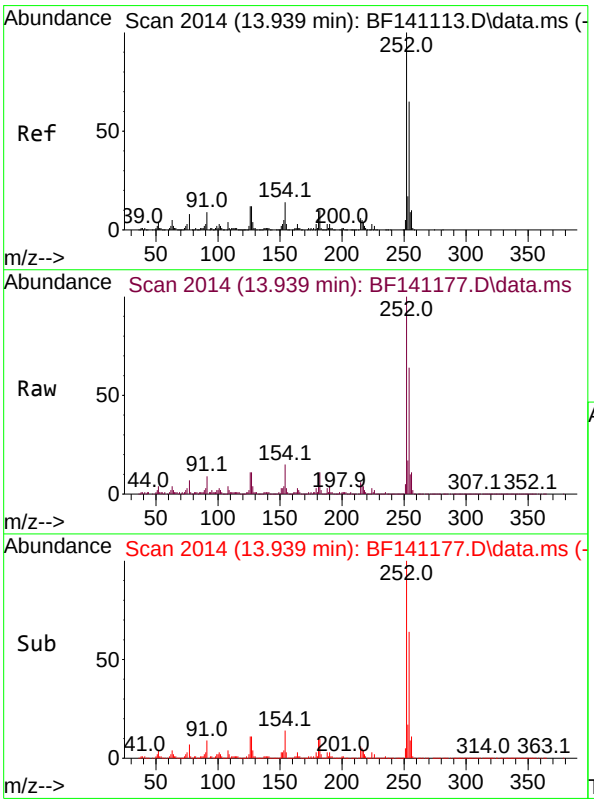

#81
Benzo(a)anthracene
Concen: 37.640 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:228 Resp: 703511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.0 | 21.7 | 32.5 |
| 229 | 19.9 | 15.7 | 23.5 |

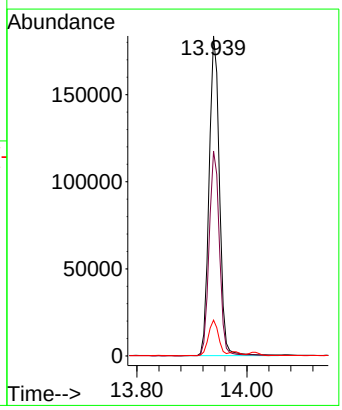


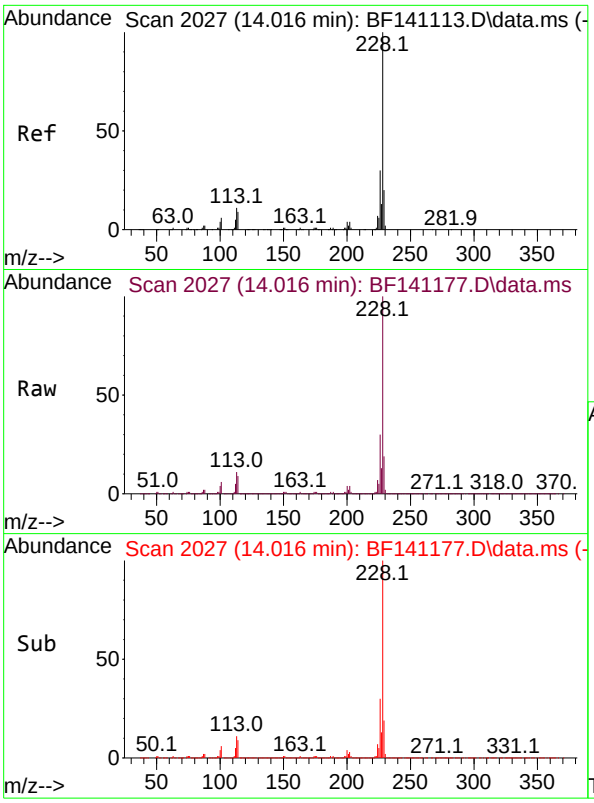




#82
3,3'-Dichlorobenzidine
Concen: 40.302 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:252 Resp: 239857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.1 | 52.0 | 78.0 |
| 126 | 11.2 | 9.4 | 14.0 |



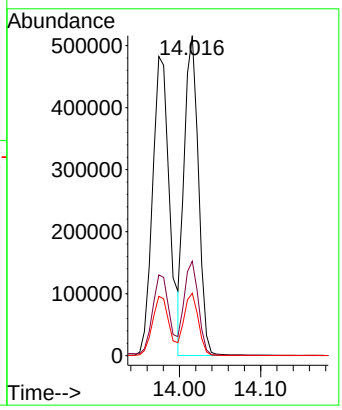


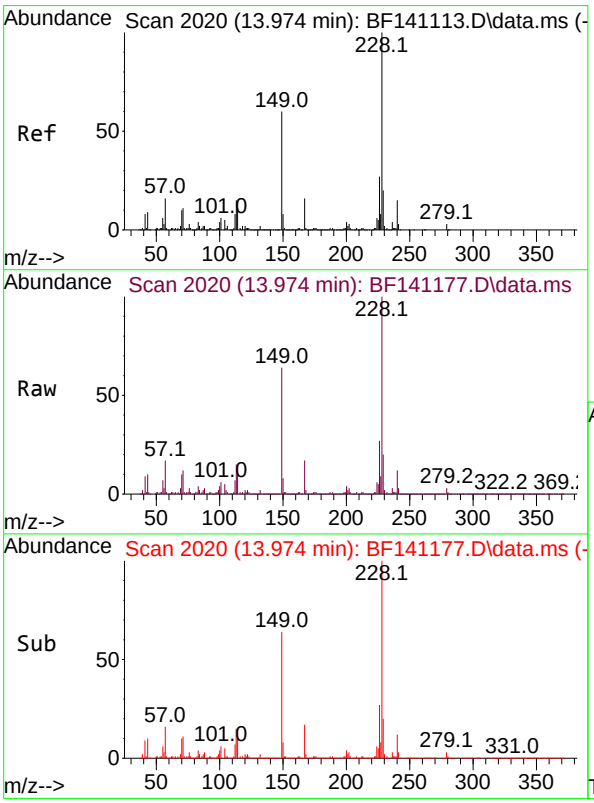

#83
Chrysene
Concen: 35.829 ng
RT: 14.016 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:228 Resp: 626608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 23.8 | 35.8 |
| 229 | 19.5 | 15.8 | 23.8 |

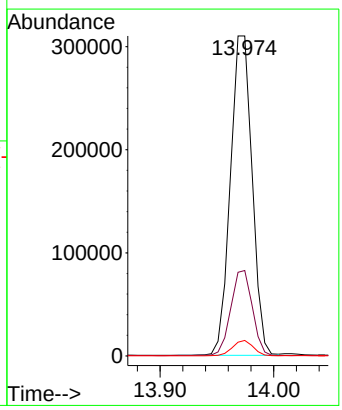


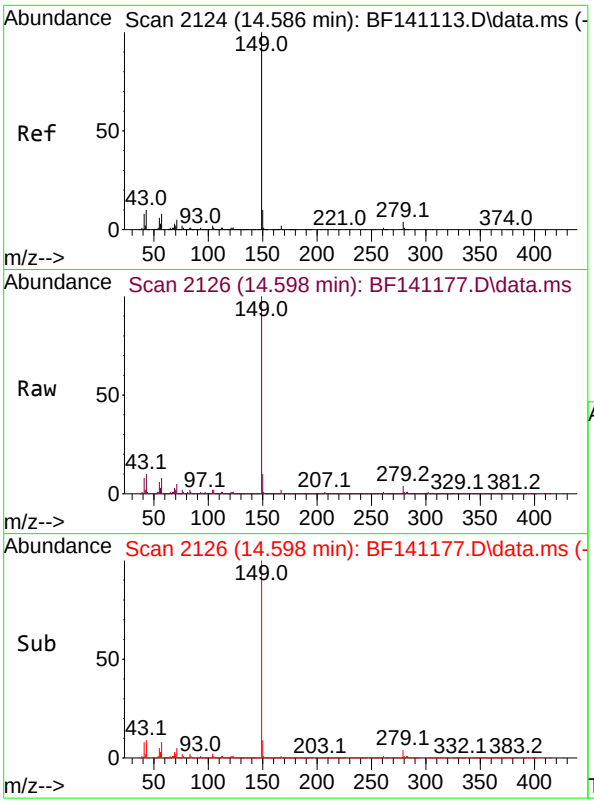




#84
Bis(2-ethylhexyl)phthalate
Concen: 39.265 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:149 Resp: 412028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.7 | 21.4 | 32.2 |
| 279 | 4.8 | 3.4 | 5.2 |



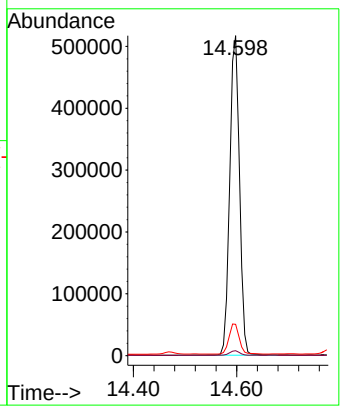


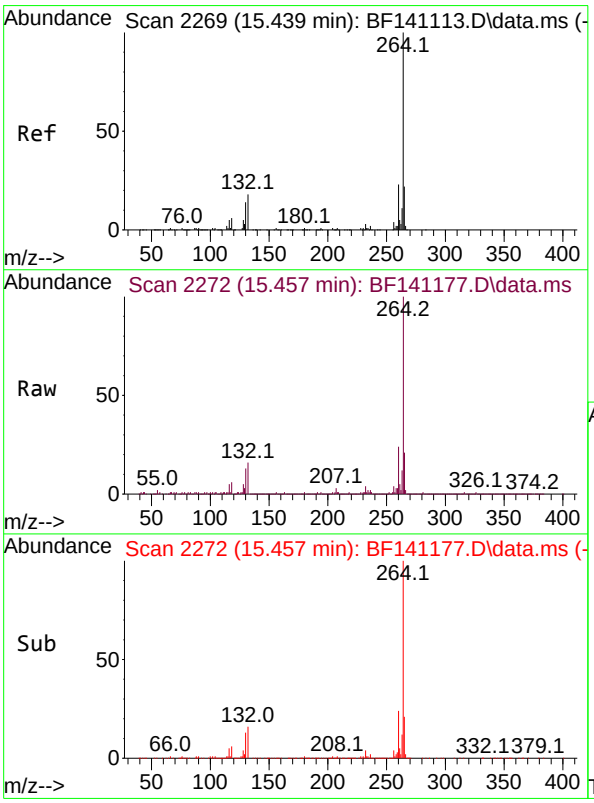

#85
Di-n-octyl phthalate
Concen: 42.747 ng
RT: 14.598 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:149 Resp: 677367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 10.0 | 8.4 | 12.6 |

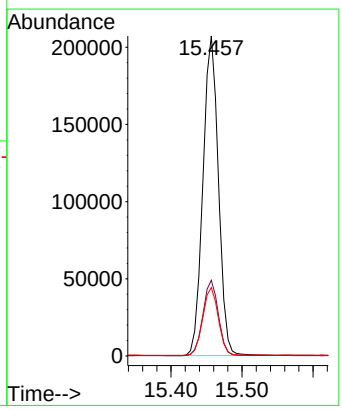


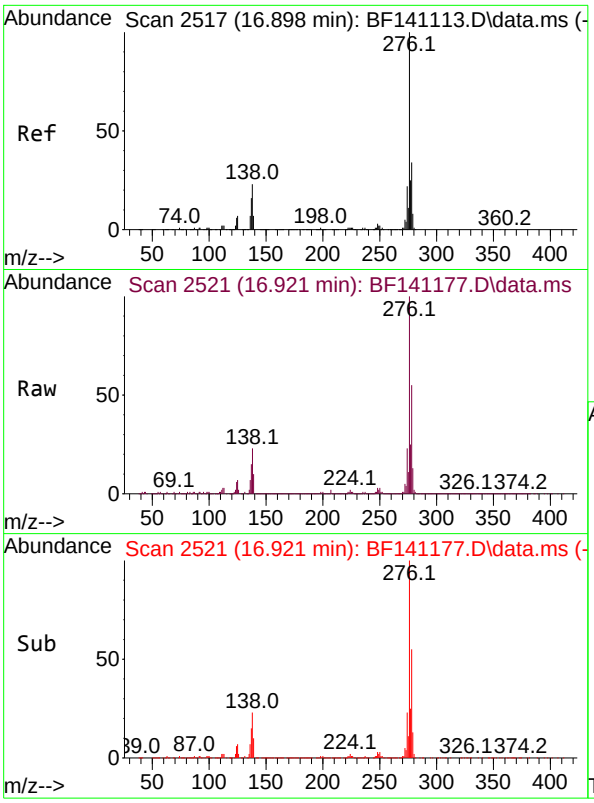




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.018 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:264 Resp: 314579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.6 | 28.0 |
| 265 | 21.4 | 17.4 | 26.0 |



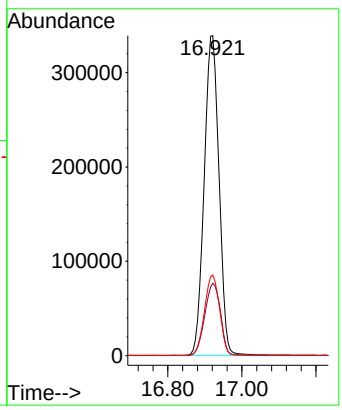


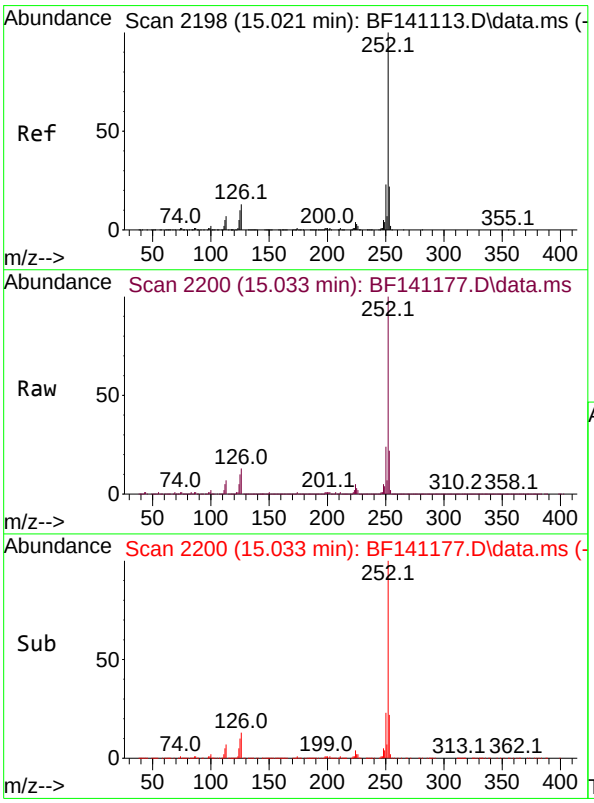

#87
Indeno(1,2,3-cd)pyrene
Concen: 40.868 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:276 Resp: 941894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.9 | 20.7 | 31.1 |
| 277 | 25.6 | 20.6 | 30.8 |

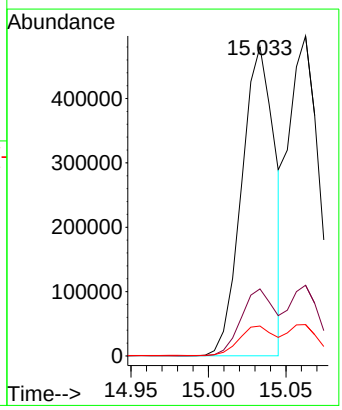


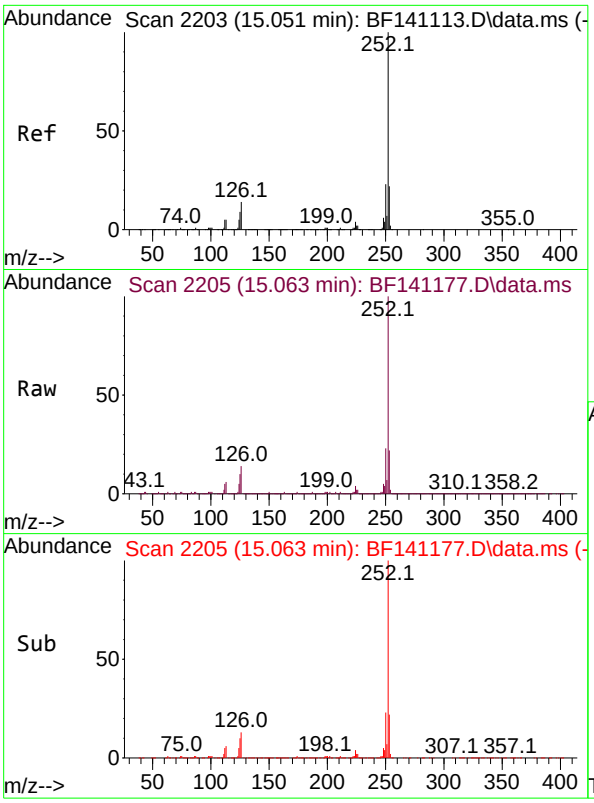




#88
Benzo(b)fluoranthene
Concen: 35.156 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.012 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:252 Resp: 713140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.8 | 26.6 |
| 125 | 9.7 | 8.1 | 12.1 |



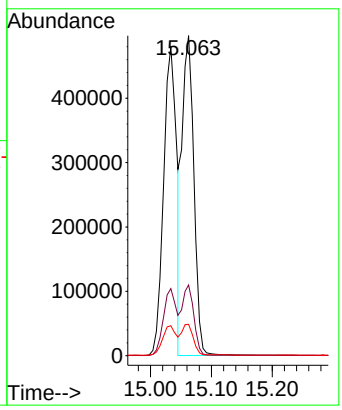


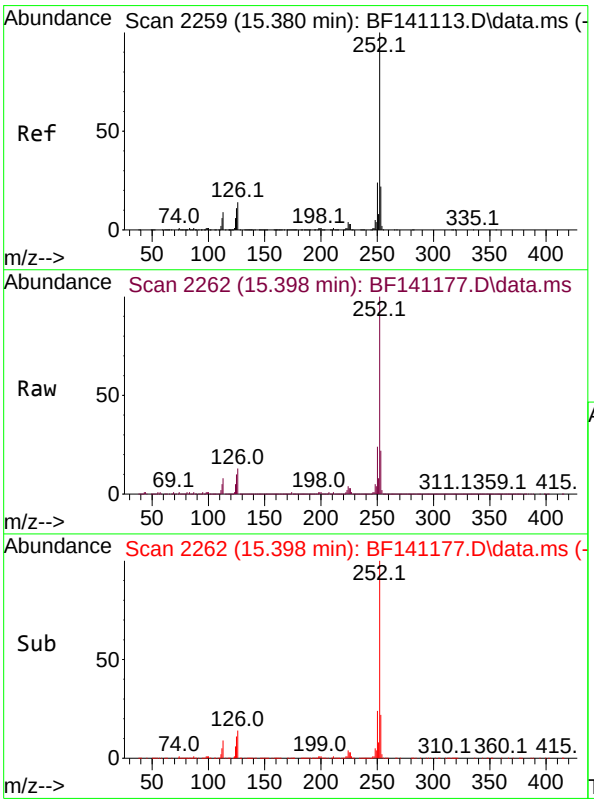

#89
Benzo(k)fluoranthene
Concen: 39.154 ng
RT: 15.063 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:252 Resp: 671197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.8 | 26.8 |
| 125 | 9.8 | 7.9 | 11.9 |

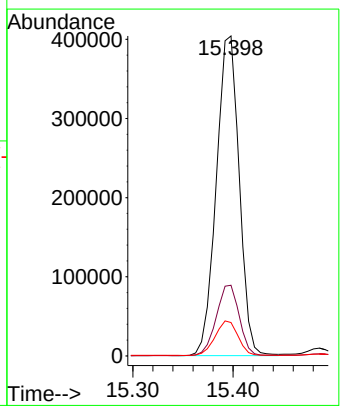


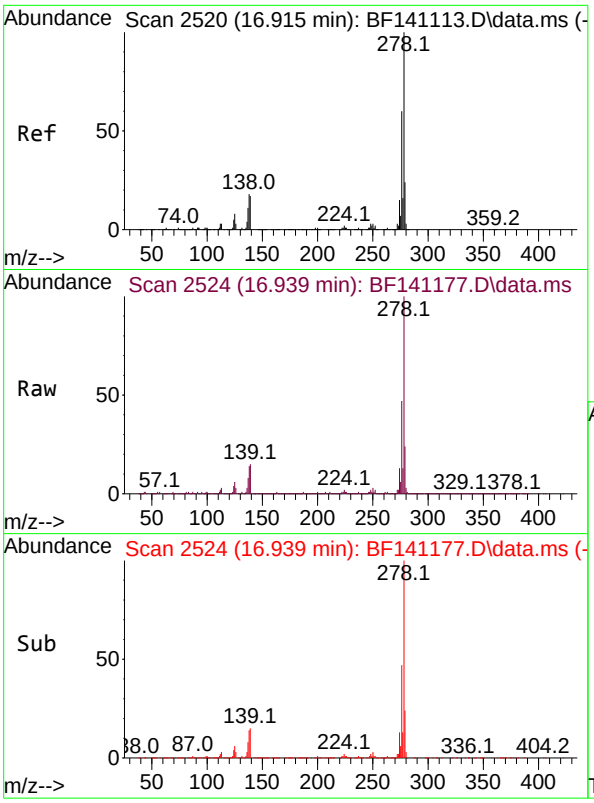




#90
Benzo(a)pyrene
Concen: 38.211 ng
RT: 15.398 min Scan# 2262
Delta R.T. 0.018 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:252 Resp: 639515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.7 | 26.5 |
| 125 | 10.4 | 9.1 | 13.7 |



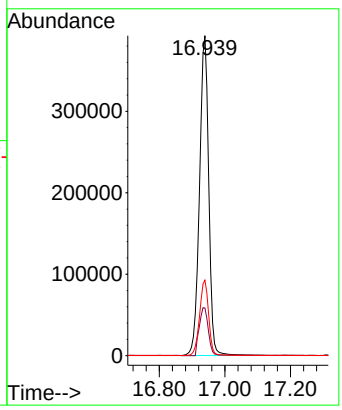


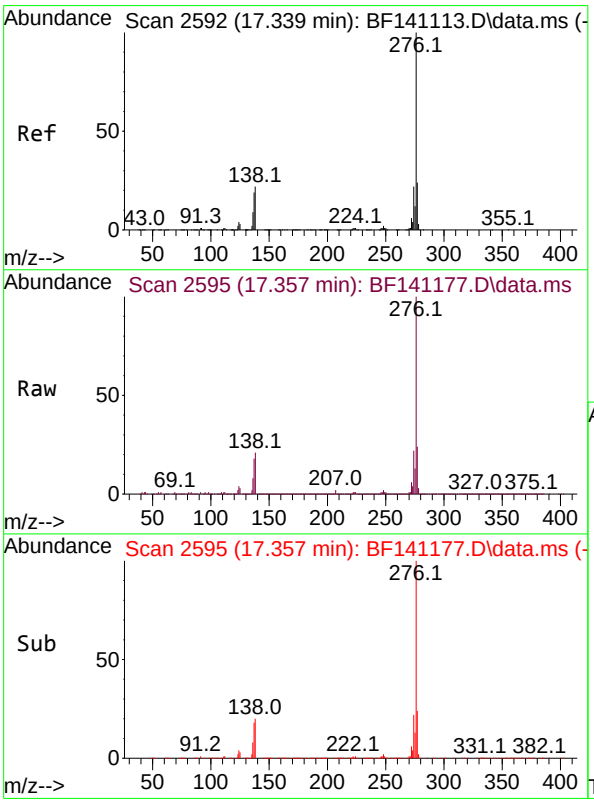

#91
Dibenzo(a,h)anthracene
Concen: 41.249 ng
RT: 16.939 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:278 Resp: 768910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.9 | 13.8 | 20.6 |
| 279 | 23.6 | 19.1 | 28.7 |

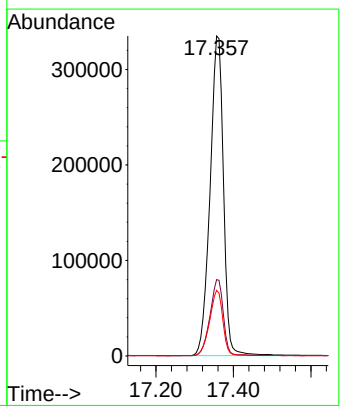



#92
Benzo(g,h,i)perylene
Concen: 41.379 ng
RT: 17.357 min Scan# 2595
Delta R.T. 0.018 min
Lab File: BF141177.D
Acq: 15 Jan 2025 17:10

Tgt Ion:276 Resp: 802295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 19.0 | 28.4 |
| 138 | 20.5 | 17.4 | 26.2 |



Sample Results: **BF141177.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141177.D
Acq On : 15 Jan 2025 17:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jan 15 17:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 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 | 87 | 0.00 |
| 2 | | 1,4-Dioxane | 0.577 | 0.509 | 11.8 | 79 | -0.01 |
| 3 | | Pyridine | 1.414 | 1.263 | 10.7 | 81 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.691 | 0.623 | 9.8 | 80 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.295 | 1.226 | 5.3 | 86 | 0.00 |
| 6 | | Aniline | 1.456 | 1.279 | 12.2 | 78 | 0.00 |
| 7 | S | Phenol-d6 | 1.640 | 1.520 | 7.3 | 84 | 0.00 |
| 8 | | 2-Chlorophenol | 1.389 | 1.328 | 4.4 | 86 | 0.00 |
| 9 | | Benzaldehyde | 0.966 | 0.898 | 7.0 | 92 | 0.00 |
| 10 | C | Phenol | 1.756 | 1.619 | 7.8 | 83 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.308 | 1.235 | 5.6 | 86 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.549 | 1.492 | 3.7 | 88 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.561 | 1.490 | 4.5 | 87 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.456 | 1.395 | 4.2 | 88 | 0.00 |
| 15 | | Benzyl Alcohol | 1.184 | 1.138 | 3.9 | 85 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.826 | 1.658 | 9.2 | 82 | 0.00 |
| 17 | | 2-Methylphenol | 1.121 | 1.056 | 5.8 | 84 | 0.00 |
| 18 | | Hexachloroethane | 0.565 | 0.550 | 2.7 | 87 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.966 | 0.896 | 7.2 | 86 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.415 | 1.324 | 6.4 | 84 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 22 | | Acetophenone | 0.475 | 0.447 | 5.9 | 86 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.377 | 0.364 | 3.4 | 86 | 0.00 |
| 24 | | Nitrobenzene | 0.393 | 0.375 | 4.6 | 85 | 0.00 |
| 25 | | Isophorone | 0.645 | 0.606 | 6.0 | 84 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.179 | 0.182 | -1.7 | 87 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.241 | 0.227 | 5.8 | 83 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.405 | 0.383 | 5.4 | 85 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.287 | 0.279 | 2.8 | 86 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.328 | 0.320 | 2.4 | 88 | 0.00 |
| 31 | | Naphthalene | 1.055 | 1.004 | 4.8 | 86 | 0.00 |
| 32 | | Benzoic acid | 0.231 | 0.235 | -1.7 | 85 | 0.00 |
| 33 | | 4-Chloroaniline | 0.365 | 0.313 | 14.2 | 78 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.197 | 0.199 | -1.0 | 91 | 0.00 |
| 35 | | Caprolactam | 0.094 | 0.085 | 9.6 | 81 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.313 | 0.296 | 5.4 | 84 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.672 | 0.642 | 4.5 | 86 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.662 | 0.620 | 6.3 | 85 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.574 | 0.580 | -1.0 | 88 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.188 | 0.208 | -10.6 | 88 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.228 | 0.223 | 2.2 | 86 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.387 | 0.392 | -1.3 | 87 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.409 | 0.389 | 4.9 | 82 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.310 | 1.277 | 2.5 | 88 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.553 | 1.513 | 2.6 | 86 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.210 | 1.171 | 3.2 | 85 | 0.00 |

Sample Results: **BF141177.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141177.D
Acq On : 15 Jan 2025 17:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jan 15 17:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 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 | 0.359 | 0.342 | 4.7 | 82 | 0.00 |
| 49 | | Acenaphthylene | 1.728 | 1.643 | 4.9 | 83 | 0.00 |
| 50 | | Dimethylphthalate | 1.343 | 1.285 | 4.3 | 83 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.312 | 0.301 | 3.5 | 81 | 0.00 |
| 52 | C | Acenaphthene | 1.208 | 1.172 | 3.0 | 85 | 0.00 |
| 53 | | 3-Nitroaniline | 0.317 | 0.301 | 5.0 | 80 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.148 | 0.154 | -4.1 | 84 | 0.00 |
| 55 | | Dibenzofuran | 1.642 | 1.553 | 5.4 | 83 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.248 | 0.232 | 6.5 | 78 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.402 | 0.390 | 3.0 | 83 | 0.00 |
| 58 | | Fluorene | 1.276 | 1.200 | 6.0 | 85 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.340 | 0.315 | 7.4 | 80 | 0.00 |
| 60 | | Diethylphthalate | 1.311 | 1.242 | 5.3 | 84 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.622 | 0.601 | 3.4 | 85 | 0.00 |
| 62 | | 4-Nitroaniline | 0.311 | 0.284 | 8.7 | 80 | 0.00 |
| 63 | | Azobenzene | 1.293 | 1.190 | 8.0 | 81 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.116 | 0.131 | -12.9 | 82 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.645 | 0.660 | -2.3 | 82 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.230 | 0.242 | -5.2 | 84 | 0.00 |
| 68 | | Hexachlorobenzene | 0.256 | 0.266 | -3.9 | 83 | 0.00 |
| 69 | | Atrazine | 0.174 | 0.141 | 19.0 | 81 | 0.00 |
| 70 | C | Pentachlorophenol | 0.164 | 0.171 | -4.3 | 80 | 0.00 |
| 71 | | Phenanthrene | 1.074 | 1.061 | 1.2 | 80 | 0.00 |
| 72 | | Anthracene | 1.044 | 1.038 | 0.6 | 80 | 0.00 |
| 73 | | Carbazole | 0.957 | 0.930 | 2.8 | 79 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.096 | 1.104 | -0.7 | 82 | 0.00 |
| 75 | C | Fluoranthene | 1.071 | 1.005 | 6.2 | 78 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 77 | | Benzidine | 0.371 | 0.456 | -22.9 | 93 | 0.00 |
| 78 | | Pyrene | 1.910 | 1.715 | 10.2 | 78 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.346 | 1.235 | 8.2 | 81 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.637 | 0.602 | 5.5 | 82 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.361 | 1.281 | 5.9 | 86 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.433 | 0.437 | -0.9 | 87 | 0.00 |
| 83 | | Chrysene | 1.274 | 1.141 | 10.4 | 79 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.764 | 0.750 | 1.8 | 86 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.154 | 1.233 | -6.8 | 90 | 0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 88 | 0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.465 | 1.497 | -2.2 | 90 | 0.02 |
| 88 | | Benzo(b)fluoranthene | 1.290 | 1.133 | 12.2 | 83 | 0.01 |
| 89 | | Benzo(k)fluoranthene | 1.090 | 1.067 | 2.1 | 90 | 0.01 |
| 90 | C | Benzo(a)pyrene | 1.064 | 1.016 | 4.5 | 86 | 0.02 |
| 91 | | Dibenzo(a,h)anthracene | 1.185 | 1.222 | -3.1 | 90 | 0.02 |
| 92 | | Benzo(g,h,i)perylene | 1.233 | 1.275 | -3.4 | 89 | 0.02 |

Sample Results: **BF141177.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141177.D
Acq On : 15 Jan 2025 17:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jan 15 17:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 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: **BF141177.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141177.D
Acq On : 15 Jan 2025 17:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jan 15 17:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 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 | 87 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 35.304 | 11.7 | 79 | -0.01 |
| 3 | | Pyridine | 40.000 | 35.738 | 10.7 | 81 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.028 | 9.9 | 80 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 75.781 | 5.3 | 86 | 0.00 |
| 6 | | Aniline | 40.000 | 35.149 | 12.1 | 78 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 74.129 | 7.3 | 84 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.237 | 4.4 | 86 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 37.175 | 7.1 | 92 | 0.00 |
| 10 | C | Phenol | 40.000 | 36.888 | 7.8 | 83 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.765 | 5.6 | 86 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.517 | 3.7 | 88 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.186 | 4.5 | 87 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.310 | 4.2 | 88 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 38.426 | 3.9 | 85 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.324 | 9.2 | 82 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 37.654 | 5.9 | 84 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.946 | 2.6 | 87 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.085 | 7.3 | 86 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 37.434 | 6.4 | 84 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 86 | 0.00 |
| 22 | | Acetophenone | 40.000 | 37.585 | 6.0 | 86 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.237 | 3.5 | 86 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.187 | 4.5 | 85 | 0.00 |
| 25 | | Isophorone | 40.000 | 37.586 | 6.0 | 84 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.633 | -1.6 | 87 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.716 | 5.7 | 83 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.902 | 5.2 | 85 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.956 | 2.6 | 86 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.022 | 2.4 | 88 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.067 | 4.8 | 86 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 40.674 | -1.7 | 85 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 34.282 | 14.3 | 78 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.351 | -0.9 | 91 | 0.00 |
| 35 | | Caprolactam | 40.000 | 36.395 | 9.0 | 81 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.823 | 5.4 | 84 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.211 | 4.5 | 86 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 37.443 | 6.4 | 85 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 84 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.428 | -1.1 | 88 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 44.331 | -10.8 | 88 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 78.336 | 2.1 | 86 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 40.545 | -1.4 | 87 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 38.100 | 4.7 | 82 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 78.008 | 2.5 | 88 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.975 | 2.6 | 86 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 38.731 | 3.2 | 85 | 0.00 |

Sample Results: **BF141177.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141177.D
Acq On : 15 Jan 2025 17:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jan 15 17:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 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 | 38.092 | 4.8 | 82 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 38.028 | 4.9 | 83 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 38.279 | 4.3 | 83 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 38.603 | 3.5 | 81 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 38.818 | 3.0 | 85 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 37.891 | 5.3 | 80 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 41.509 | -3.8 | 84 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 37.820 | 5.4 | 83 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 37.319 | 6.7 | 78 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 38.724 | 3.2 | 83 | 0.00 |
| 58 | | Fluorene | 40.000 | 37.619 | 6.0 | 85 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 37.093 | 7.3 | 80 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 37.910 | 5.2 | 84 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 38.643 | 3.4 | 85 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 36.544 | 8.6 | 80 | 0.00 |
| 63 | | Azobenzene | 40.000 | 36.811 | 8.0 | 81 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 81 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 45.140 | -12.9 | 82 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.942 | -2.4 | 82 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 42.040 | -5.1 | 84 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 41.461 | -3.7 | 83 | 0.00 |
| 69 | | Atrazine | 40.000 | 32.424 | 18.9 | 81 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 41.683 | -4.2 | 80 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 39.531 | 1.2 | 80 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.754 | 0.6 | 80 | 0.00 |
| 73 | | Carbazole | 40.000 | 38.847 | 2.9 | 79 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.312 | -0.8 | 82 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 37.511 | 6.2 | 78 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 84 | 0.00 |
| 77 | | Benzidine | 40.000 | 49.233 | -23.1 | 93 | 0.00 |
| 78 | | Pyrene | 40.000 | 35.920 | 10.2 | 78 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 73.438 | 8.2 | 81 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 37.832 | 5.4 | 82 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 37.640 | 5.9 | 86 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.302 | -0.8 | 87 | 0.00 |
| 83 | | Chrysene | 40.000 | 35.829 | 10.4 | 79 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.265 | 1.8 | 86 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 42.747 | -6.9 | 90 | 0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 88 | 0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.868 | -2.2 | 90 | 0.02 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 35.156 | 12.1 | 83 | 0.01 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 39.154 | 2.1 | 90 | 0.01 |
| 90 | C | Benzo(a)pyrene | 40.000 | 38.211 | 4.5 | 86 | 0.02 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 41.249 | -3.1 | 90 | 0.02 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 41.379 | -3.4 | 89 | 0.02 |

Sample Results: **BF141177.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141177.D
Acq On : 15 Jan 2025 17:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jan 15 17:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 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

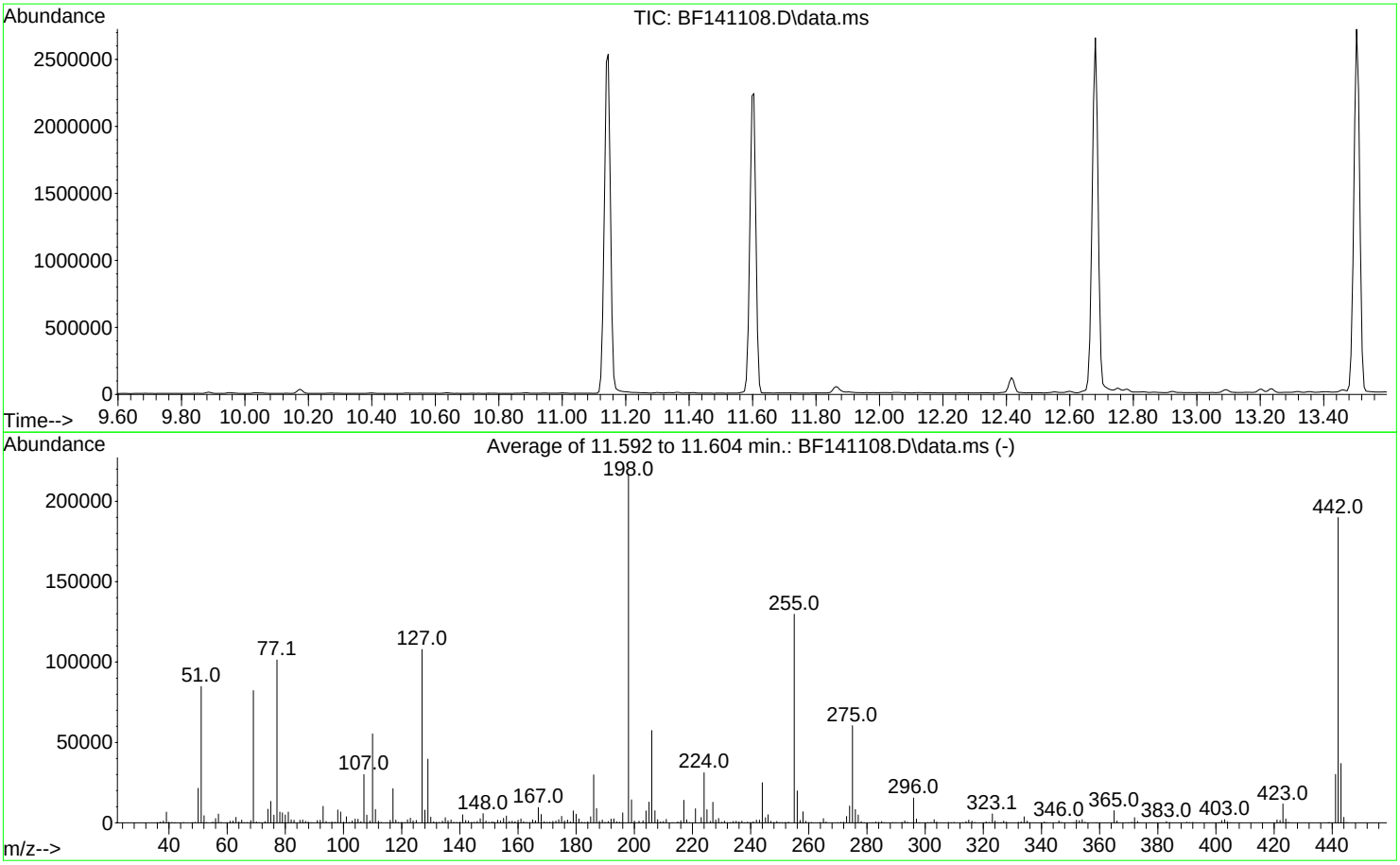
Sample Results: **BF141108.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141108.D
Acq On : 10 Jan 2025 11:32
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-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 10 22:54:19 2025




AutoFind: Scans 1615, 1616, 1617; Background Corrected with Scan 1609

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 39.2 | 84750 | PASS |
| 68 | 69 | 0.00 | 2 | 1.8 | 1445 | PASS |
| 69 | 198 | 0.00 | 100 | 38.0 | 82278 | PASS |
| 70 | 69 | 0.00 | 2 | 0.7 | 551 | PASS |
| 127 | 198 | 10 | 80 | 49.8 | 107843 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 216341 | PASS |
| 199 | 198 | 5 | 9 | 6.6 | 14307 | PASS |
| 275 | 198 | 10 | 60 | 27.9 | 60421 | PASS |
| 365 | 198 | 1 | 100 | 3.5 | 7523 | PASS |
| 441 | 198 | 0.01 | 100 | 13.9 | 30123 | PASS |
| 442 | 442 | 50 | 100 | 100.0 | 189923 | PASS |
| 443 | 442 | 15 | 24 | 19.4 | 36936 | PASS |

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 1/10/2025 | BNA_F | BF141108.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 677363 | 13.504 |
| DDD | 13521 | 13.204 |
| DDE | 752 | 12.869 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 14273 | 691636 | 2.06 |
| | | |

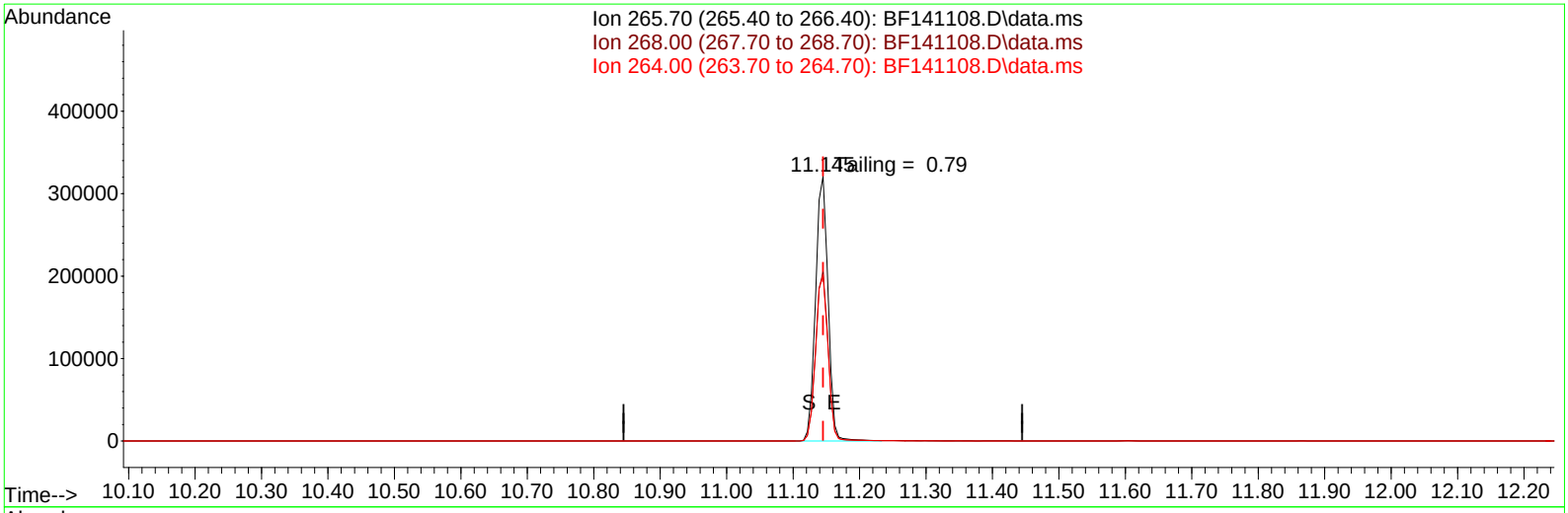
Instrument :
BNA_F
ClientSampleId :
DFTPP

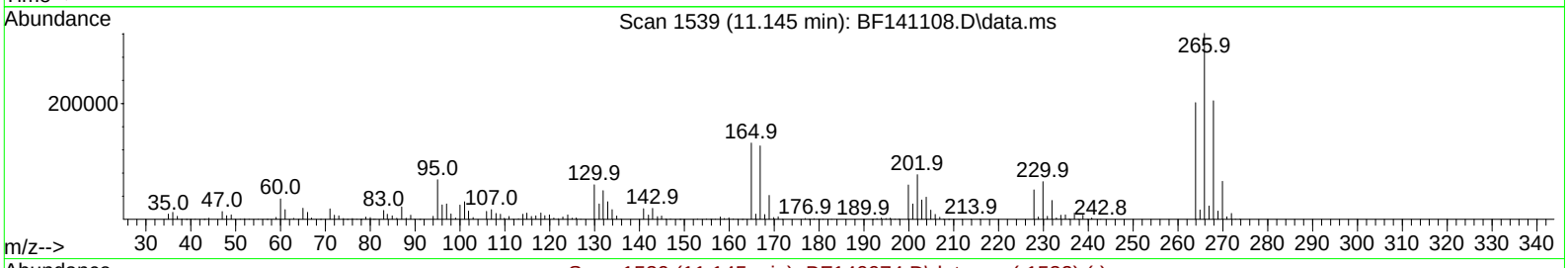
Sample Results: **BF141108.D**

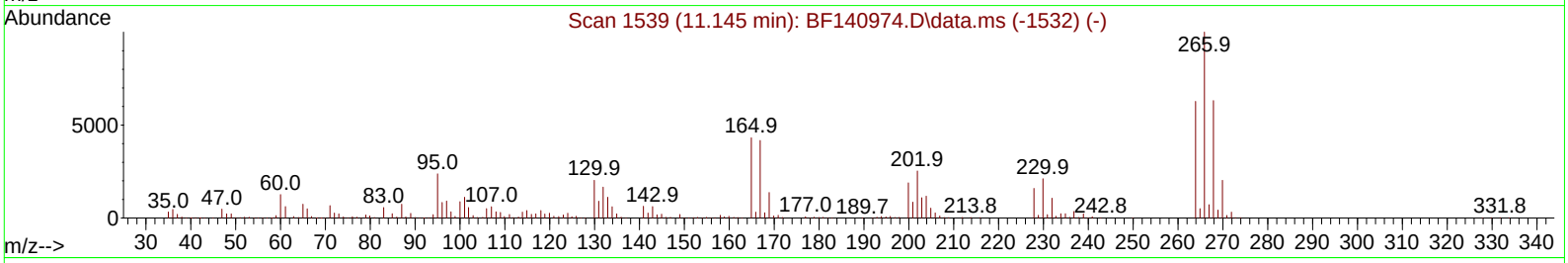
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141108.D
Acq On : 10 Jan 2025 11:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Jan 10 12:08:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 12:07:52 2025
Response via : Initial Calibration




TIC: BF141108.D\data.ms

**(70) Pentachlorophenol (C)**

**11.145min (+ 0.000) 27837.42 ng**

**response 420211**

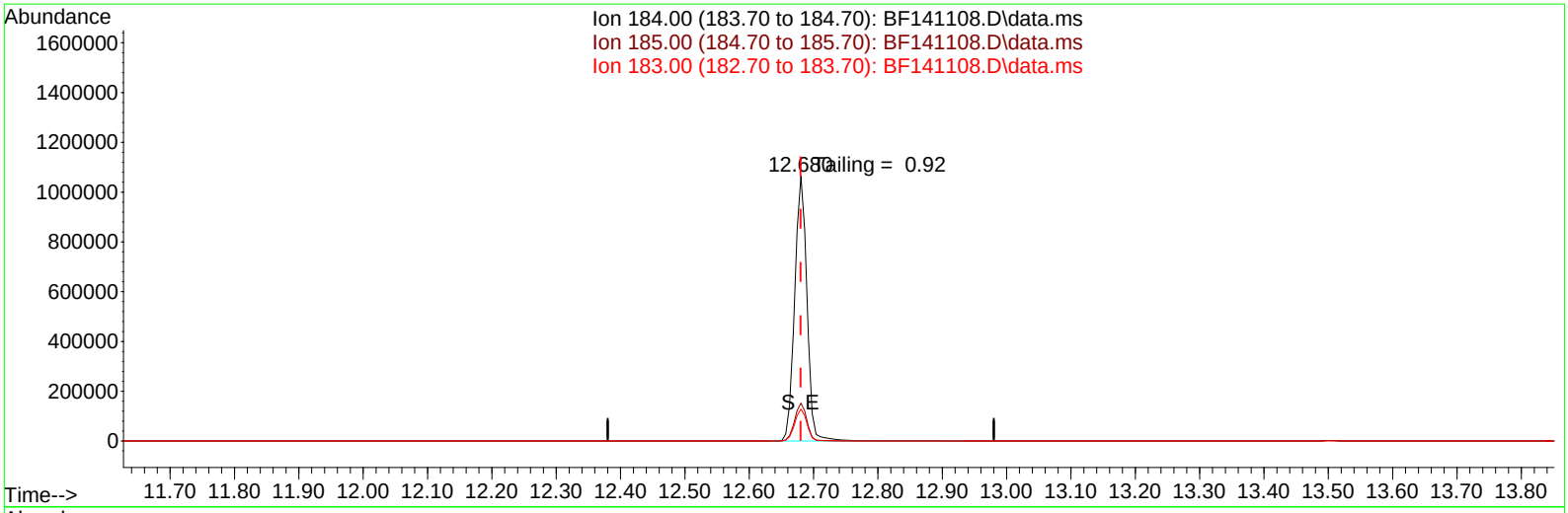
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.10 | 63.79 |
| 264.00 | 62.80 | 62.71 |
| 0.00 | 0.00 | 0.00 |

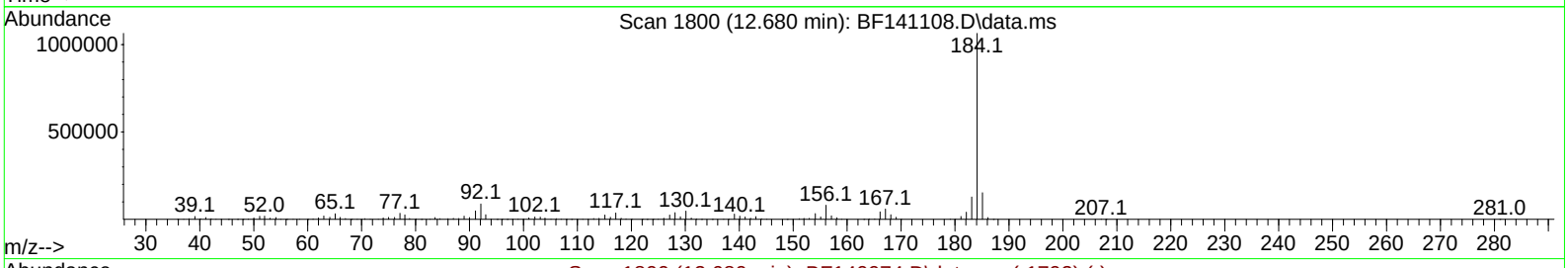
Sample Results: **BF141108.D**

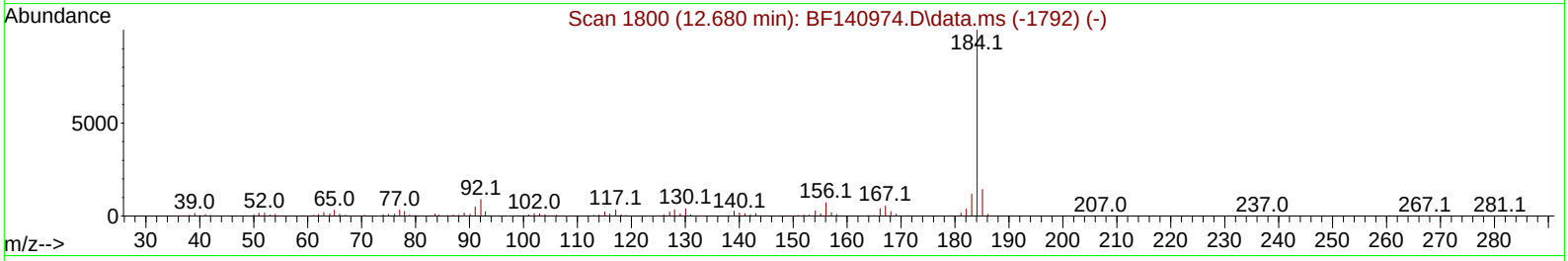
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141108.D
Acq On : 10 Jan 2025 11:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Jan 10 12:08:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 12:07:52 2025
Response via : Initial Calibration




TIC: BF141108.D\data.ms

**(77) Benzidine**

**12.680min (-0.000) 47053.75 ng**

**response 1415080**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.30 | 14.35 |
| 183.00 | 11.70 | 12.05 |
| 0.00 | 0.00 | 0.00 |

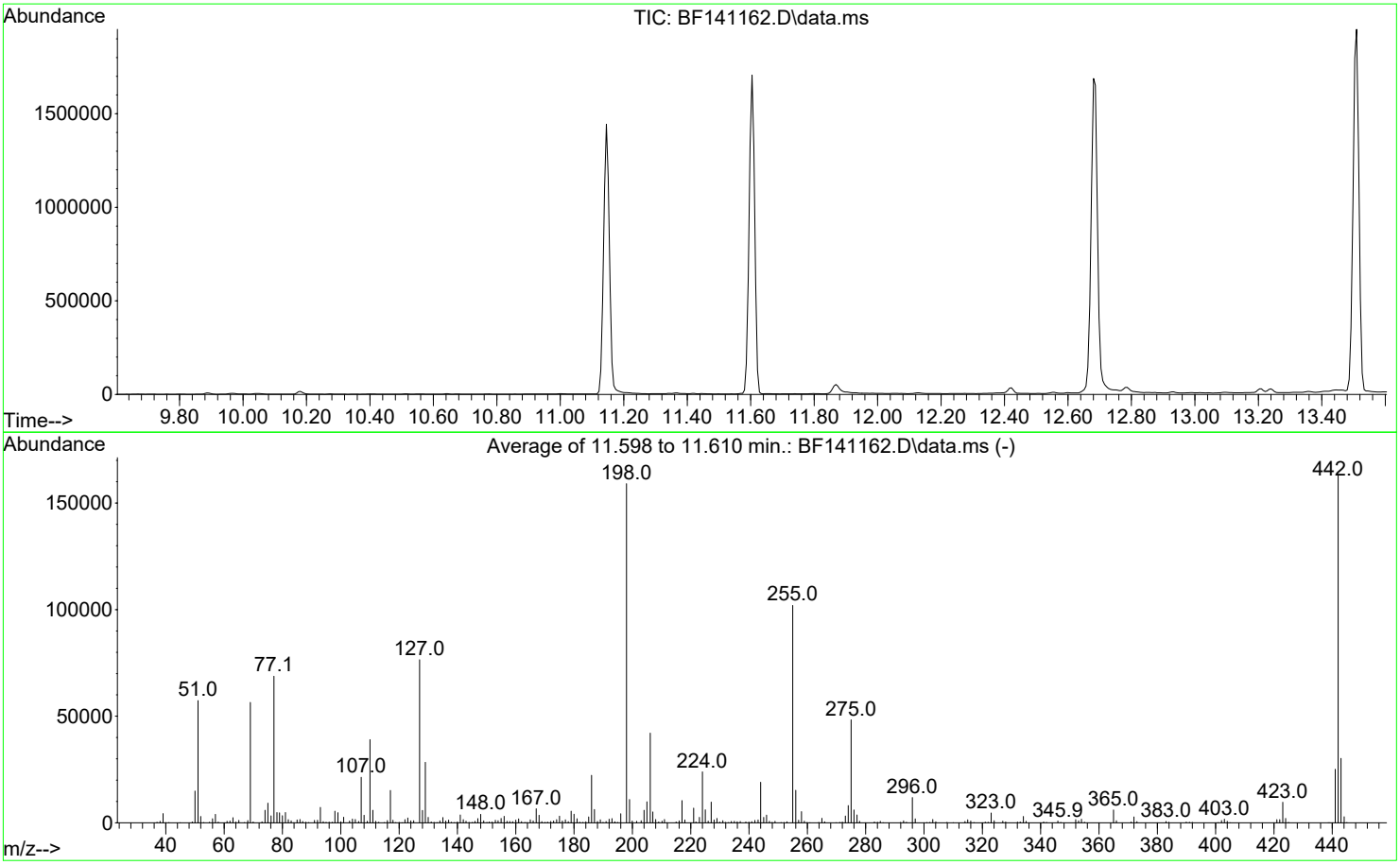
Sample Results: **BF141162.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141162.D
Acq On : 15 Jan 2025 09:08
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-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 10 22:54:19 2025




AutoFind: Scans 1616, 1617, 1618; Background Corrected with Scan 1610

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 36.0 | 57307 | PASS |
| 68 | 69 | 0.00 | 2 | 1.9 | 1055 | PASS |
| 69 | 198 | 0.00 | 100 | 35.5 | 56501 | PASS |
| 70 | 69 | 0.00 | 2 | 0.8 | 449 | PASS |
| 127 | 198 | 10 | 80 | 48.1 | 76515 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 159104 | PASS |
| 199 | 198 | 5 | 9 | 6.9 | 10934 | PASS |
| 275 | 198 | 10 | 60 | 30.4 | 48325 | PASS |
| 365 | 198 | 1 | 100 | 3.8 | 6020 | PASS |
| 441 | 198 | 0.01 | 100 | 15.8 | 25096 | PASS |
| 442 | 442 | 50 | 100 | 100.0 | 163141 | PASS |
| 443 | 442 | 15 | 24 | 18.5 | 30253 | PASS |

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 1/15/2025 | BNA_F | BF141162.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 495212 | 13.51 |
| DDD | 10841 | 13.21 |
| DDE | 490 | 12.875 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 11331 | 506543 | 2.24 |
| | | |

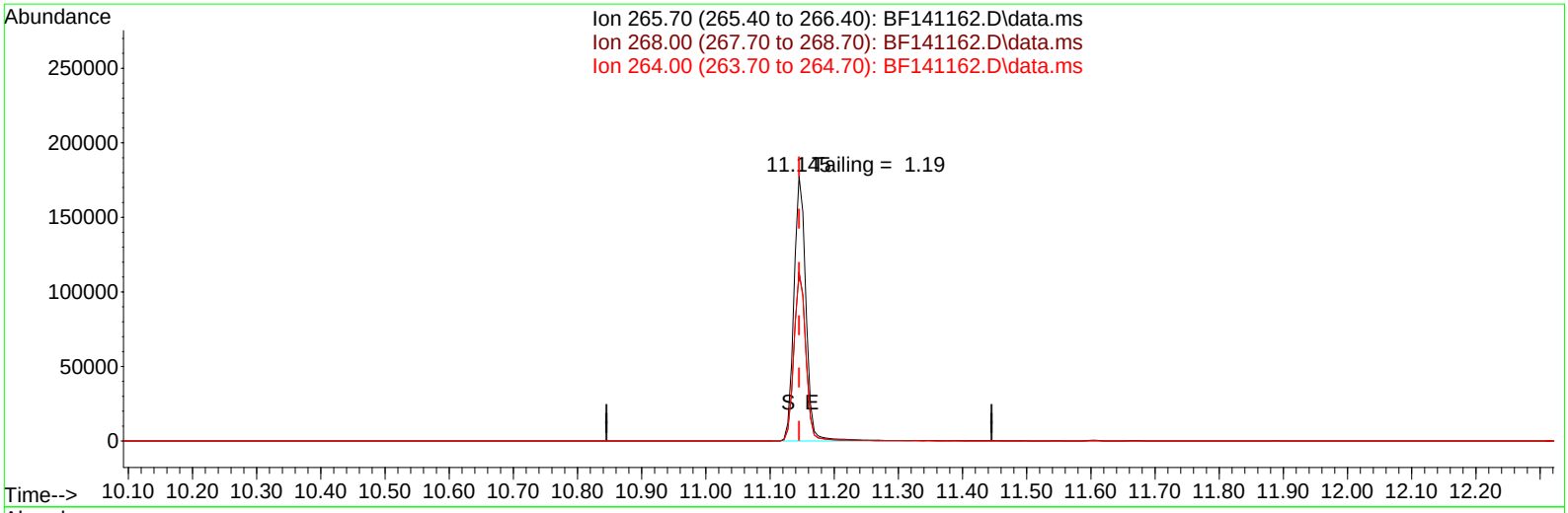
Instrument :
BNA_F
ClientSampleId :
DFTPP

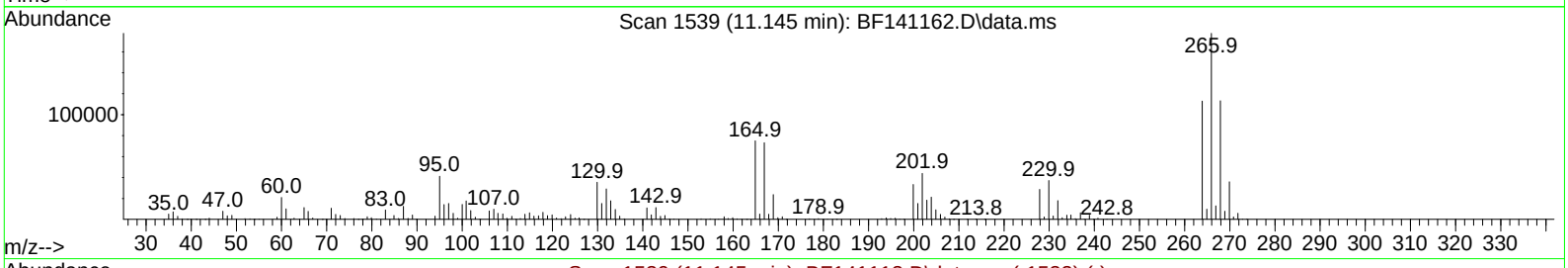
Sample Results: **BF141162.D**

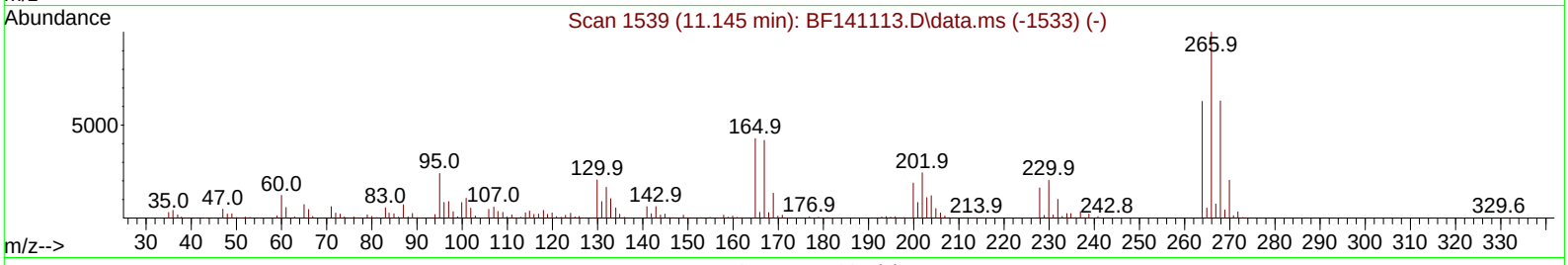
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141162.D
Acq On : 15 Jan 2025 09:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Jan 15 10:11:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration




TIC: BF141162.D\data.ms

**(70) Pentachlorophenol (C)**

**11.145min (+ 0.000) 17848.17 ng**

**response 232184**

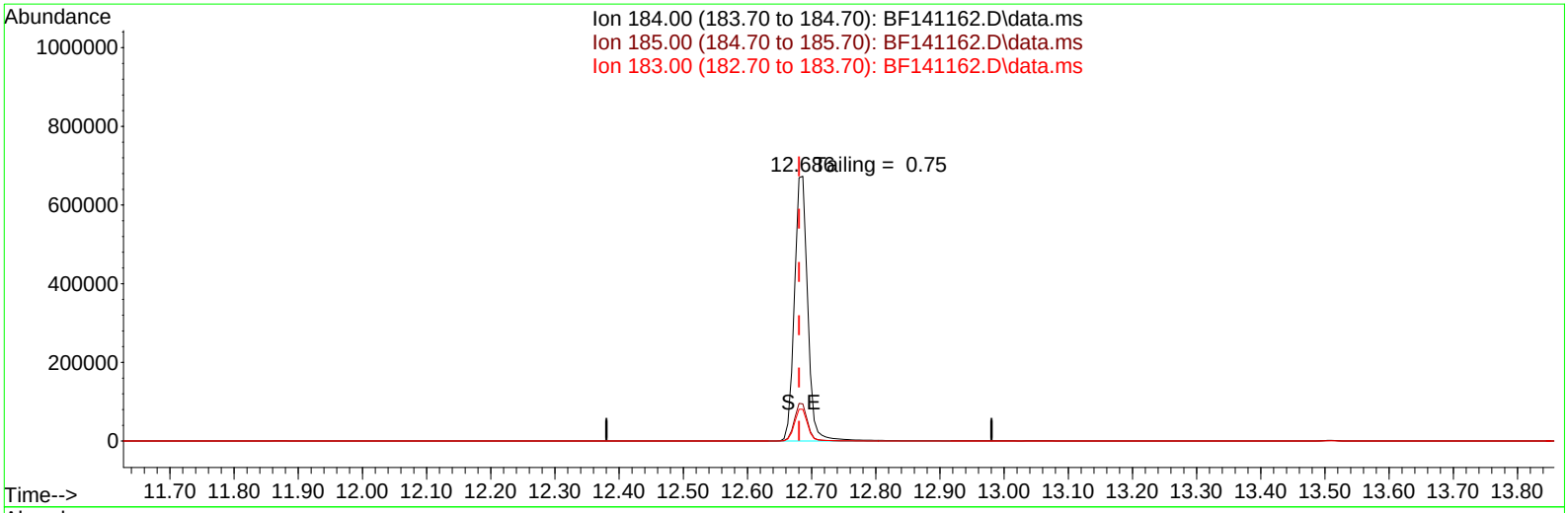
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.00 | 63.76 |
| 264.00 | 62.70 | 63.59 |
| 0.00 | 0.00 | 0.00 |

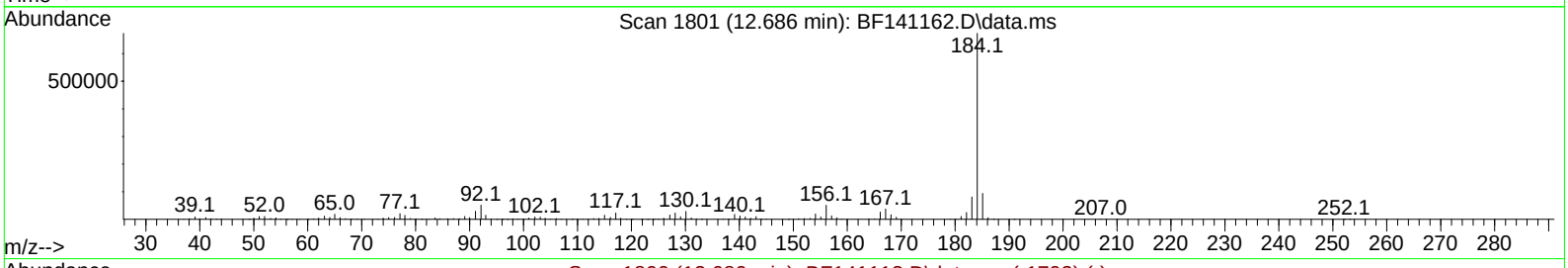
Sample Results: **BF141162.D**

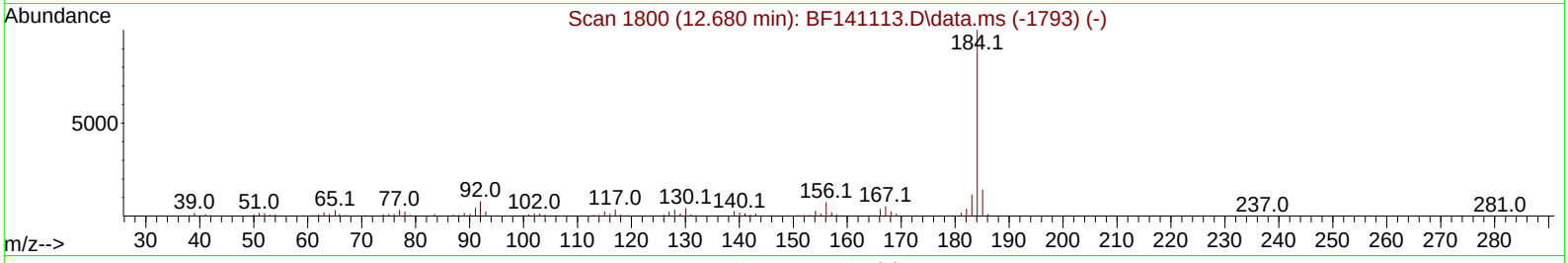
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141162.D
Acq On : 15 Jan 2025 09:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Jan 15 10:11:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration




TIC: BF141162.D\data.ms

**(77) Benzidine**

**12.686min (+ 0.006) 34812.04 ng**

**response 973516**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.20 | 14.00 |
| 183.00 | 11.50 | 12.01 |
| 0.00 | 0.00 | 0.00 |

Raw Data: **BF141169.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB166035BL | SDG No.: | Q1069 |
| Lab Sample ID: | PB166035BL | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 100 |
| Sample Wt/Vol: | 30.03 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 |
|---|---|---|---|---|
| BF141169.D | 1 | 01/13/25 08:54 | 01/15/25 12:11 | PB166035 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 270 | U | 180 | 270 | 330 | ug/Kg |
| 108-95-2 | Phenol | 130 | U | 82.8 | 130 | 170 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 130 | U | 83.6 | 130 | 170 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 130 | U | 83.4 | 130 | 170 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 130 | U | 80.5 | 130 | 170 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 130 | U | 90.8 | 130 | 170 | ug/Kg |
| 98-86-2 | Acetophenone | 130 | U | 86.8 | 130 | 170 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 270 | U | 79.7 | 270 | 330 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 79.9 | U | 40.3 | 79.9 | 79.9 | ug/Kg |
| 67-72-1 | Hexachloroethane | 130 | U | 82.9 | 130 | 170 | ug/Kg |
| 98-95-3 | Nitrobenzene | 130 | U | 90.7 | 130 | 170 | ug/Kg |
| 78-59-1 | Isophorone | 130 | U | 84.5 | 130 | 170 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 130 | U | 94.4 | 130 | 170 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 130 | U | 93.1 | 130 | 170 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 130 | U | 85.7 | 130 | 170 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 130 | U | 75.4 | 130 | 170 | ug/Kg |
| 91-20-3 | Naphthalene | 130 | U | 82.5 | 130 | 170 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 130 | U | 82.5 | 130 | 170 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 130 | U | 83.2 | 130 | 170 | ug/Kg |
| 105-60-2 | Caprolactam | 270 | U | 86.7 | 270 | 330 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 130 | U | 77.4 | 130 | 170 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 130 | U | 82.4 | 130 | 170 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 270 | U | 160 | 270 | 330 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 130 | U | 71.3 | 130 | 170 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 130 | U | 73.9 | 130 | 170 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 130 | U | 87.3 | 130 | 170 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 130 | U | 83.2 | 130 | 170 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 130 | U | 94.9 | 130 | 170 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 130 | U | 81.6 | 130 | 170 | ug/Kg |

Raw Data: **BF141169.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB166035BL | SDG No.: | Q1069 |
| Lab Sample ID: | PB166035BL | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 100 |
| Sample Wt/Vol: | 30.03 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 |
|---|---|---|---|---|
| BF141169.D | 1 | 01/13/25 08:54 | 01/15/25 12:11 | PB166035 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 130 | U | 86.4 | 130 | 170 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 130 | U | 83.1 | 130 | 170 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 130 | U | 89.1 | 130 | 170 | ug/Kg |
| 83-32-9 | Acenaphthene | 130 | U | 81.0 | 130 | 170 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 270 | U | 240 | 270 | 330 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 270 | U | 120 | 270 | 330 | ug/Kg |
| 132-64-9 | Dibenzofuran | 130 | U | 84.3 | 130 | 170 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 130 | U | 86.1 | 130 | 170 | ug/Kg |
| 84-66-2 | Diethylphthalate | 130 | U | 80.0 | 130 | 170 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 130 | U | 85.5 | 130 | 170 | ug/Kg |
| 86-73-7 | Fluorene | 130 | U | 85.4 | 130 | 170 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 130 | U | 110 | 130 | 170 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 270 | U | 120 | 270 | 330 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 130 | U | 81.5 | 130 | 170 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 130 | U | 78.8 | 130 | 170 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 130 | U | 84.9 | 130 | 170 | ug/Kg |
| 1912-24-9 | Atrazine | 130 | U | 91.3 | 130 | 170 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 270 | U | 77.2 | 270 | 330 | ug/Kg |
| 85-01-8 | Phenanthrene | 130 | U | 83.9 | 130 | 170 | ug/Kg |
| 120-12-7 | Anthracene | 130 | U | 84.3 | 130 | 170 | ug/Kg |
| 86-74-8 | Carbazole | 130 | U | 80.2 | 130 | 170 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 130 | U | 84.2 | 130 | 170 | ug/Kg |
| 206-44-0 | Fluoranthene | 130 | U | 81.6 | 130 | 170 | ug/Kg |
| 129-00-0 | Pyrene | 130 | U | 82.9 | 130 | 170 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 130 | U | 96.7 | 130 | 170 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 270 | U | 98.5 | 270 | 330 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 130 | U | 80.6 | 130 | 170 | ug/Kg |
| 218-01-9 | Chrysene | 130 | U | 79.4 | 130 | 170 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 130 | U | 90.9 | 130 | 170 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 270 | U | 110 | 270 | 330 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 130 | U | 81.0 | 130 | 170 | ug/Kg |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB166035BL | SDG No.: | Q1069 |
| Lab Sample ID: | PB166035BL | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 100 |
| Sample Wt/Vol: | 30.03 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 |
|---|---|---|---|---|
| BF141169.D | 1 | 01/13/25 08:54 | 01/15/25 12:11 | PB166035 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 130 | U | 82.5 | 130 | 170 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 130 | U | 92.9 | 130 | 170 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 130 | U | 78.0 | 130 | 170 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 130 | U | 81.1 | 130 | 170 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 130 | U | 80.0 | 130 | 170 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 130 | U | 86.7 | 130 | 170 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 130 | U | 110 | 130 | 170 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 130 | U | 74.6 | 130 | 170 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 137 | | 35 - 115 | | 92% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 136 | | 34 - 127 | | 90% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 96.4 | | 37 - 122 | | 96% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 97.6 | | 44 - 115 | | 98% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 153 | | 39 - 132 | | 102% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 82.6 | | 54 - 127 | | 83% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 137000 | 6.816 | | | | |
| 1146-65-2 | Naphthalene-d8 | 539000 | 8.098 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 277000 | 9.857 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 476000 | 11.339 | | | | |
| 1719-03-5 | Chrysene-d12 | 382000 | 13.98 | | | | |
| 1520-96-3 | Perylene-d12 | 303000 | 15.439 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 004744-10-9 | Propane, 1,1-dimethoxy- | 110 | J | | | 2.23 | ug/Kg |
| 000123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 100 | A | | | 5.05 | ug/Kg |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | | | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | | | Date Received: | |
| Client Sample ID: | PB166035BL | | | SDG No.: | Q1069 |
| Lab Sample ID: | PB166035BL | | | Matrix: | SOIL |
| Analytical Method: | SW8270 | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.03 | 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 |
|---|---|---|---|---|
| BF141169.D | 1 | 01/13/25 08:54 | 01/15/25 12:11 | PB166035 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | 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\BF011525\
Data File : BF141169.D
Acq On : 15 Jan 2025 12:11
Operator : RC/JU
Sample : PB166035BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BL

Quant Time: Jan 15 12:36:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

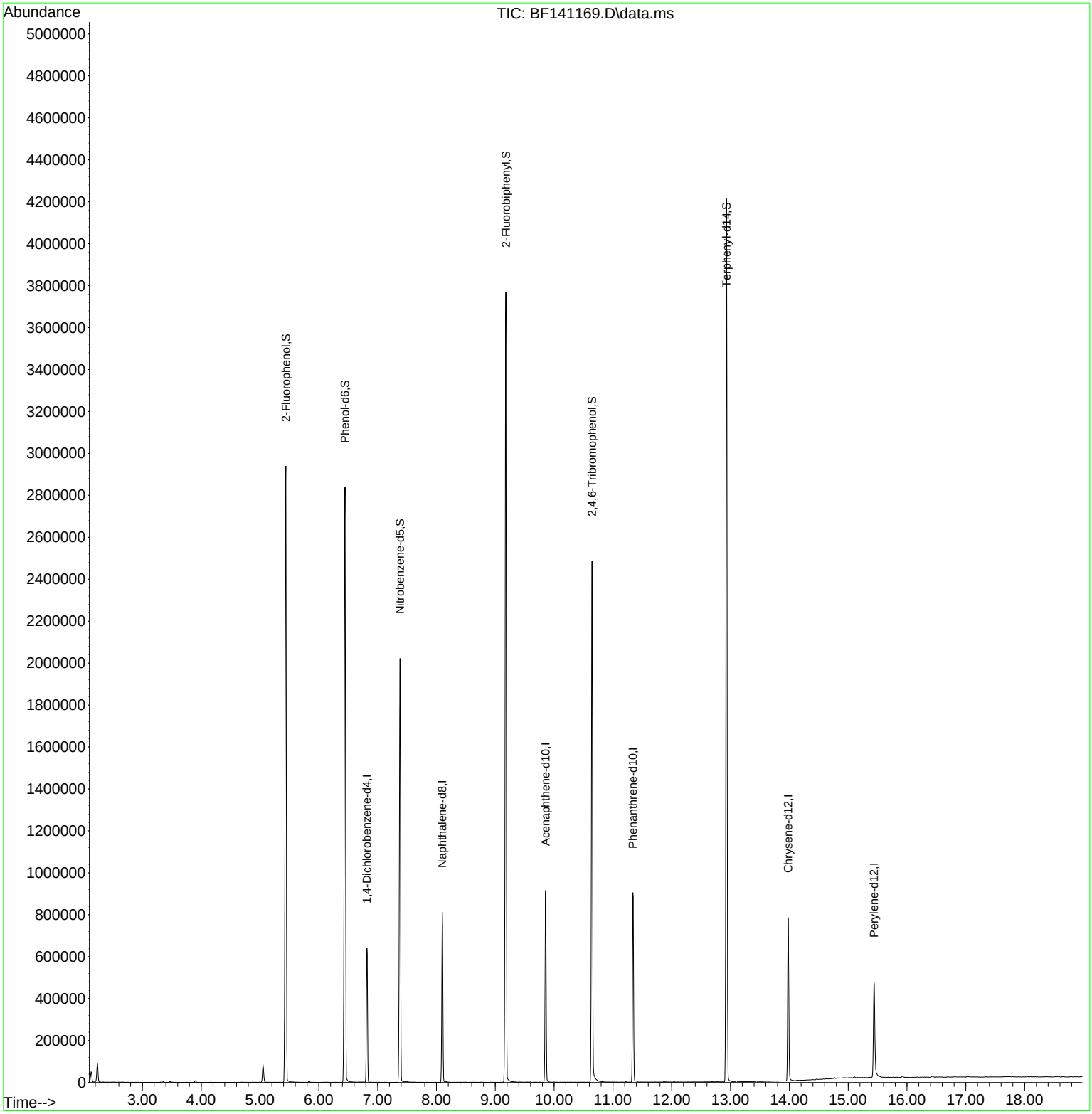
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.816 | 152 | 136764 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.098 | 136 | 539364 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.857 | 164 | 276861 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.339 | 188 | 476305 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.980 | 240 | 381699 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.439 | 264 | 303475 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.440 | 112 | 1215399 | 137.284 | ng | 0.01 |
| 7) Phenol-d6 | 6.445 | 99 | 1520117 | 135.550 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.381 | 82 | 981325 | 96.444 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.645 | 330 | 482388 | 152.913 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.180 | 172 | 1769689 | 97.608 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 2122117 | 82.634 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |

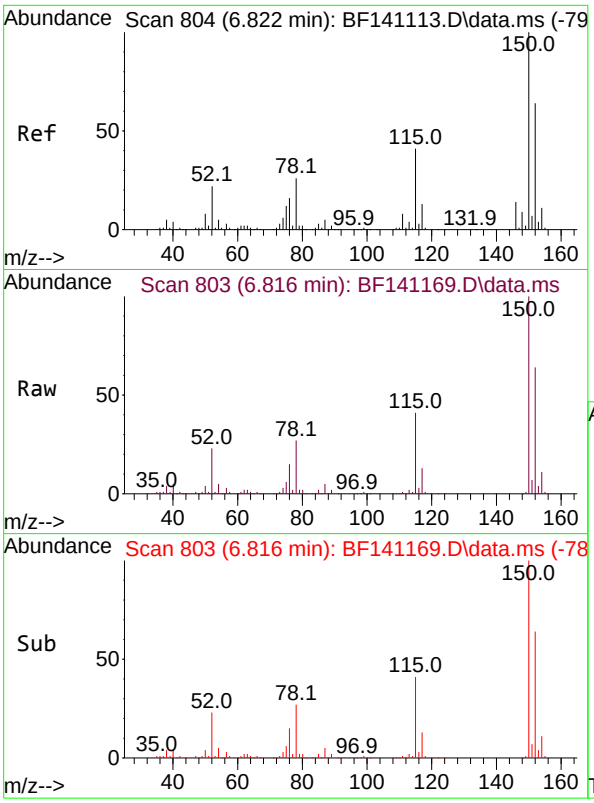
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141169.D
Acq On : 15 Jan 2025 12:11
Operator : RC/JU
Sample : PB166035BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BL

Quant Time: Jan 15 12:36:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



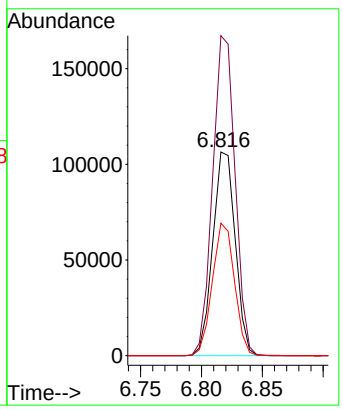


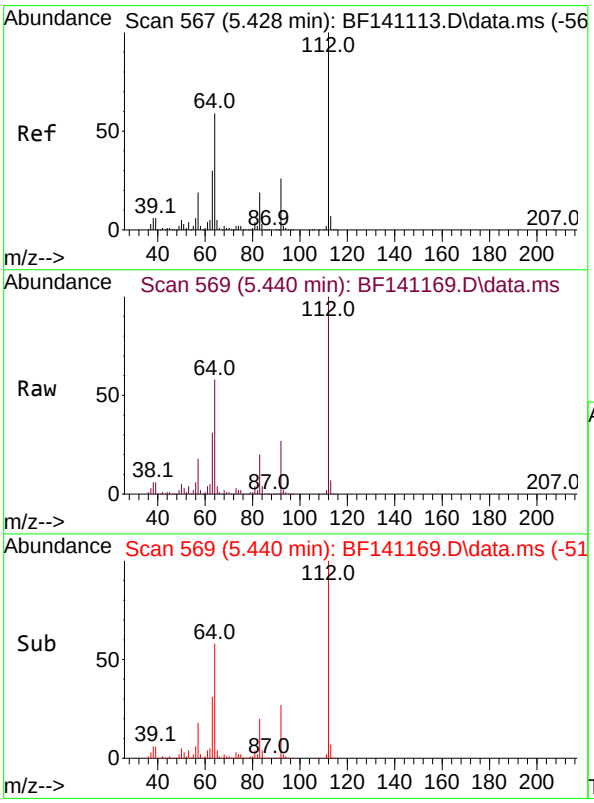

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141169.D
Acq: 15 Jan 2025 12:11

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BL

Tgt Ion:152 Resp: 136764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.2 | 125.8 | 188.8 |
| 115 | 65.1 | 51.4 | 77.2 |

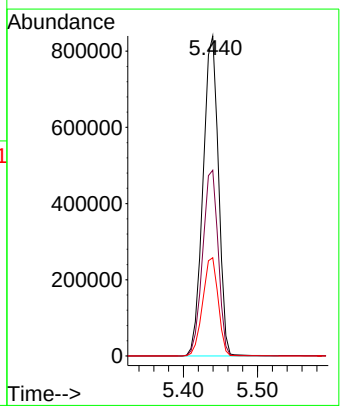


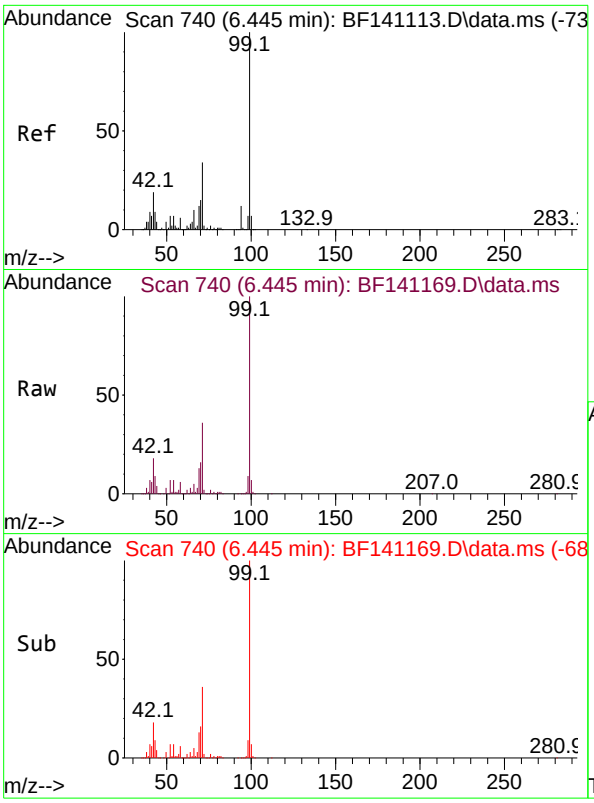




#5
2-Fluorophenol
Concen: 137.284 ng
RT: 5.440 min Scan# 569
Delta R.T. 0.012 min
Lab File: BF141169.D
Acq: 15 Jan 2025 12:11

Tgt Ion:112 Resp: 1215399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.1 | 47.3 | 70.9 |
| 63 | 30.7 | 24.2 | 36.2 |



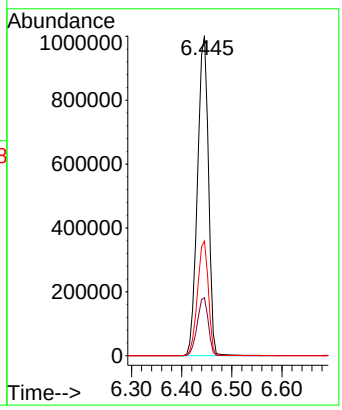


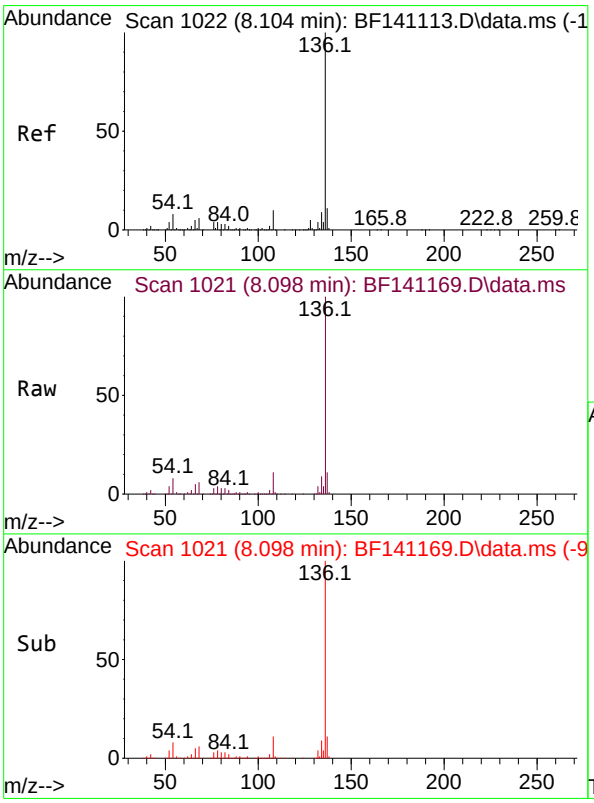

#7
Phenol-d6
Concen: 135.550 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141169.D
Acq: 15 Jan 2025 12:11

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BL

Tgt Ion: 99 Resp: 1520117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.1 | 15.0 | 22.4 |
| 71 | 35.9 | 27.6 | 41.4 |

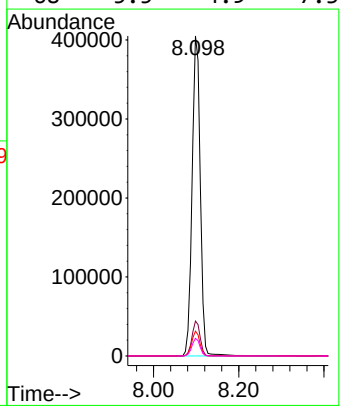


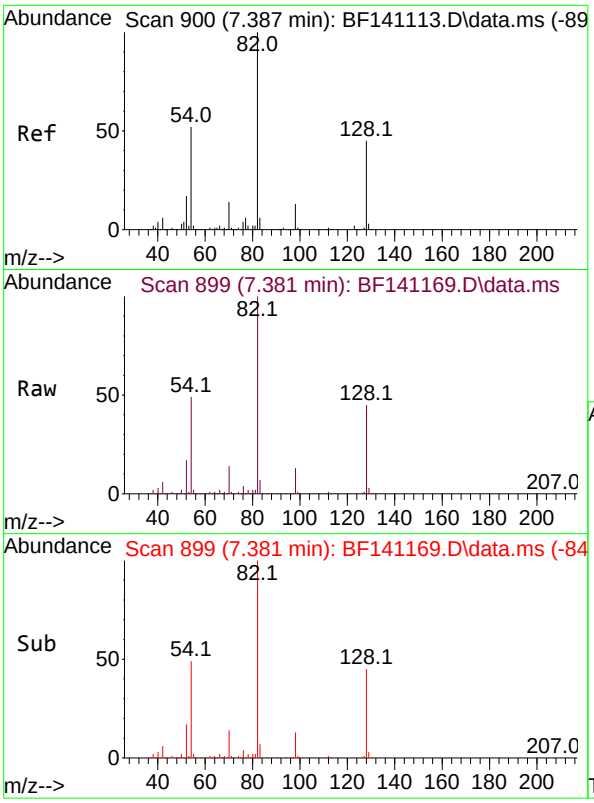




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141169.D
Acq: 15 Jan 2025 12:11

Tgt Ion:136 Resp: 539364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 7.7 | 6.3 | 9.5 |
| 68 | 5.5 | 4.9 | 7.3 |



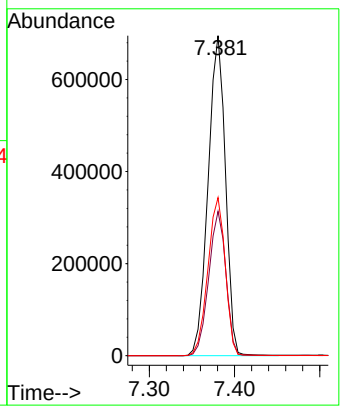


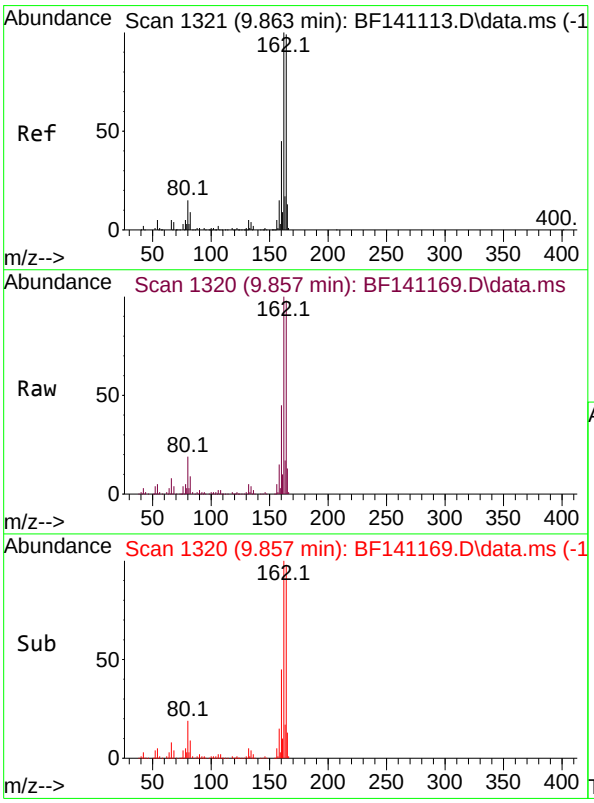

#23
Nitrobenzene-d5
Concen: 96.444 ng
RT: 7.381 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141169.D
Acq: 15 Jan 2025 12:11

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BL

Tgt Ion: 82 Resp: 981325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.1 | 36.1 | 54.1 |
| 54 | 49.4 | 41.0 | 61.4 |

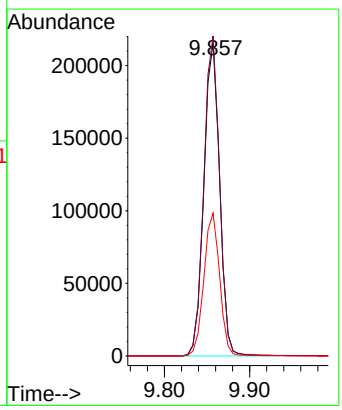


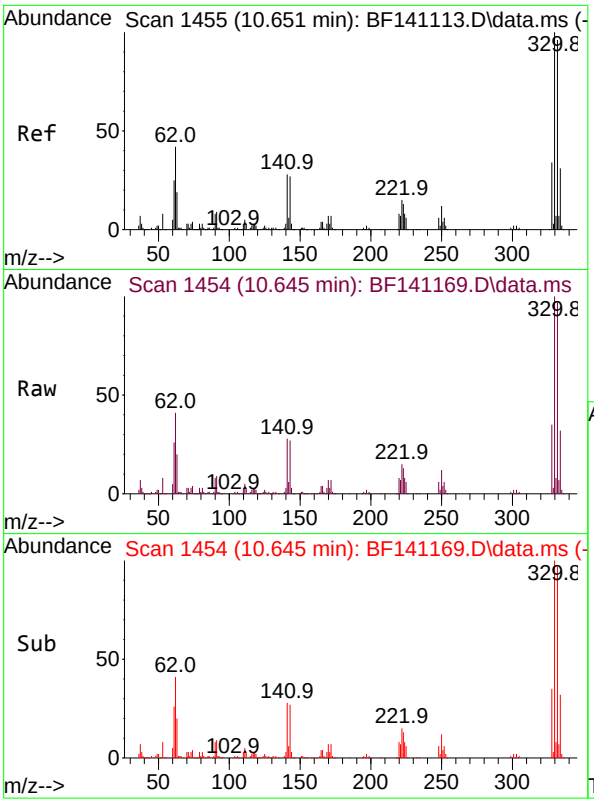




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141169.D
Acq: 15 Jan 2025 12:11

Tgt Ion:164 Resp: 276861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.3 | 81.0 | 121.4 |
| 160 | 45.7 | 36.1 | 54.1 |



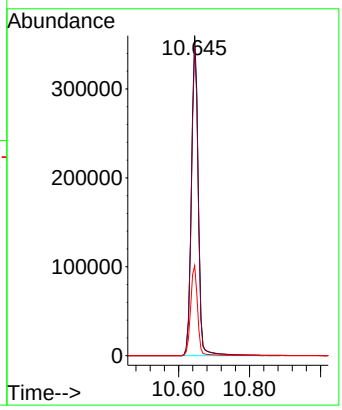


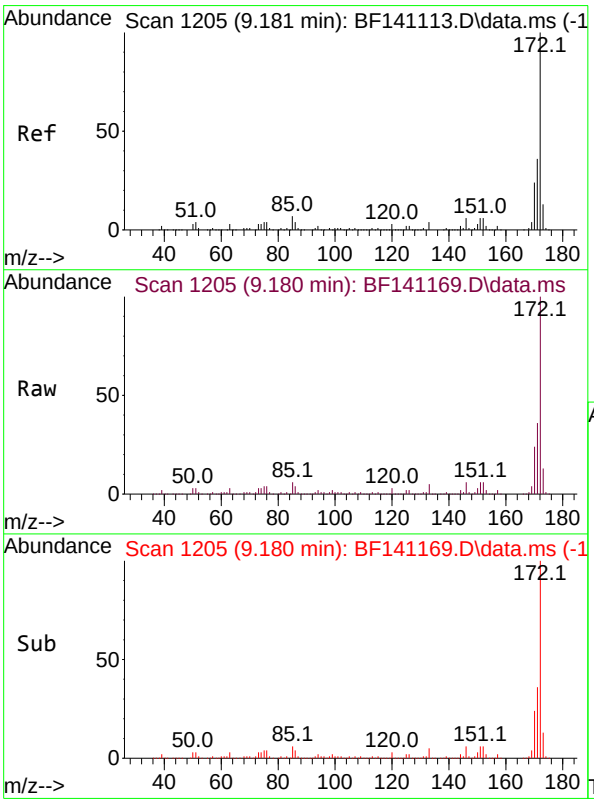

#42
2,4,6-Tribromophenol
Concen: 152.913 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141169.D
Acq: 15 Jan 2025 12:11

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BL

Tgt Ion:330 Resp: 482388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 76.9 | 115.3 |
| 141 | 28.7 | 25.2 | 37.8 |

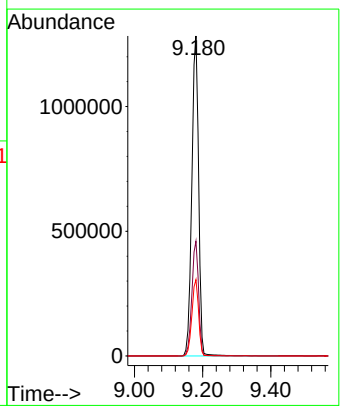


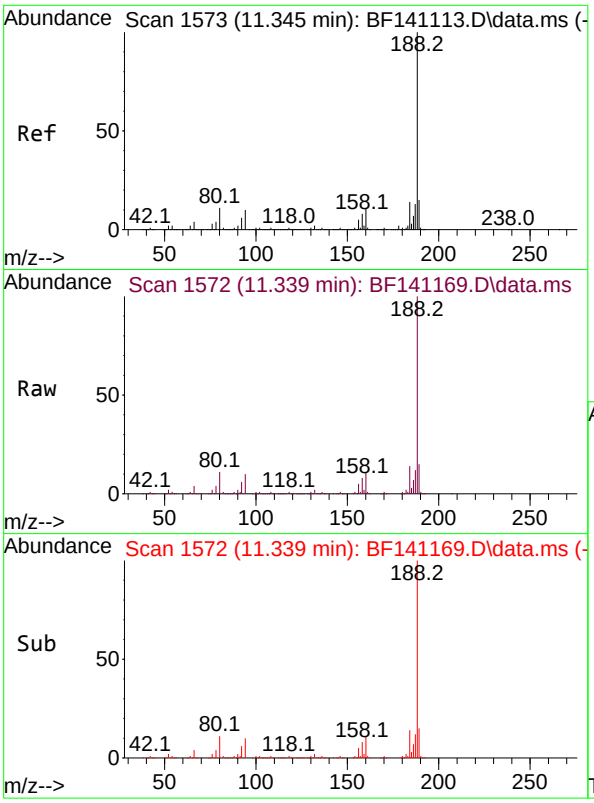




#45
2-Fluorobiphenyl
Concen: 97.608 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF141169.D
Acq: 15 Jan 2025 12:11

Tgt Ion:172 Resp: 1769689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.8 | 28.7 | 43.1 |
| 170 | 23.8 | 19.0 | 28.6 |



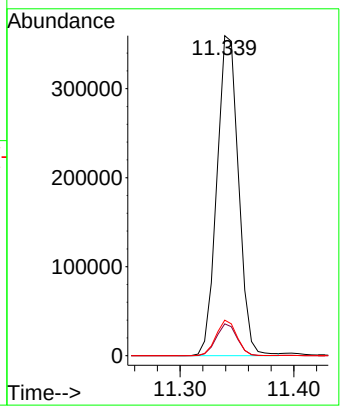


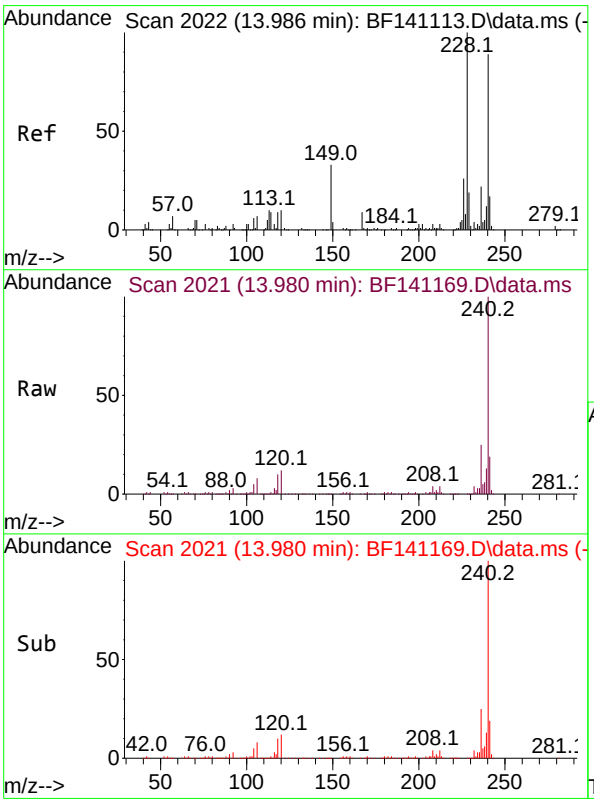

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141169.D
Acq: 15 Jan 2025 12:11

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BL

Tgt Ion:188 Resp: 476305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.9 | 8.3 | 12.5 |
| 80 | 11.1 | 9.0 | 13.4 |

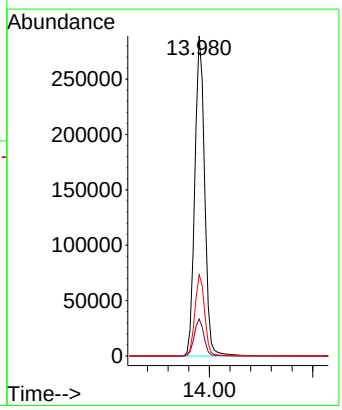


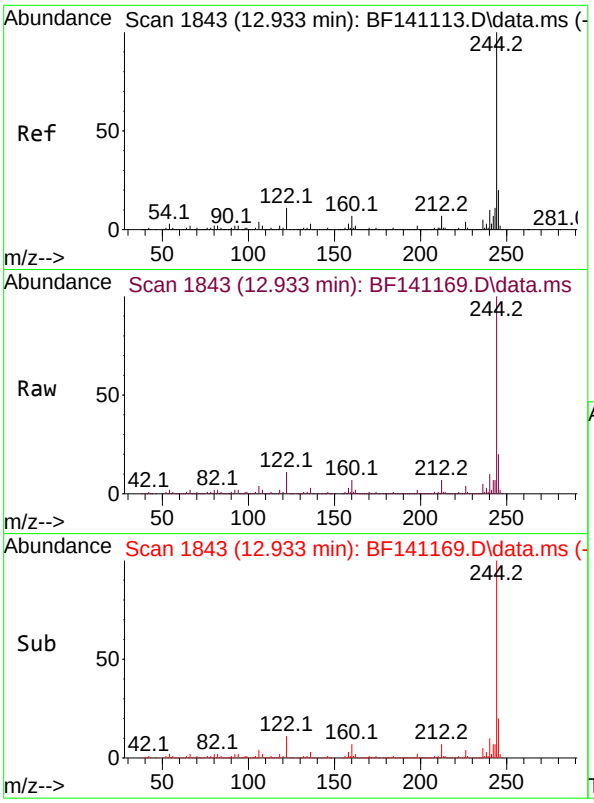




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF141169.D
Acq: 15 Jan 2025 12:11

Tgt Ion:240 Resp: 381699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.6 | 9.1 | 13.7 |
| 236 | 25.4 | 19.8 | 29.6 |



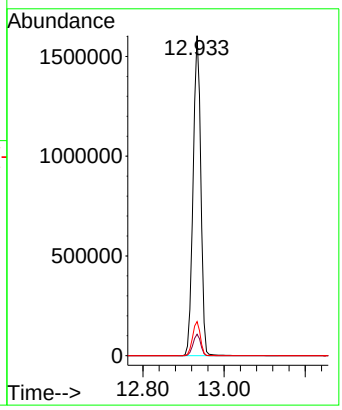


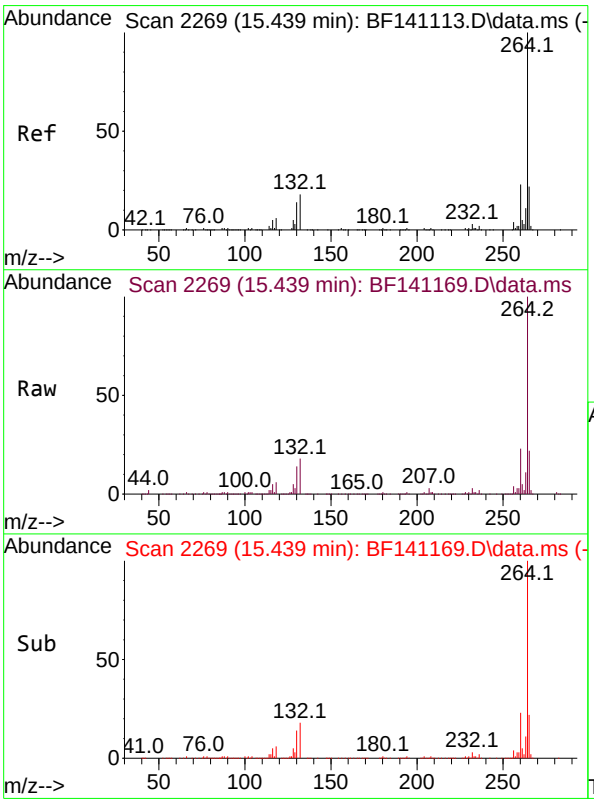

#79
Terphenyl-d14
Concen: 82.634 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141169.D
Acq: 15 Jan 2025 12:11

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BL

Tgt Ion:244 Resp: 2122117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.4 | 8.2 |
| 122 | 10.7 | 8.8 | 13.2 |

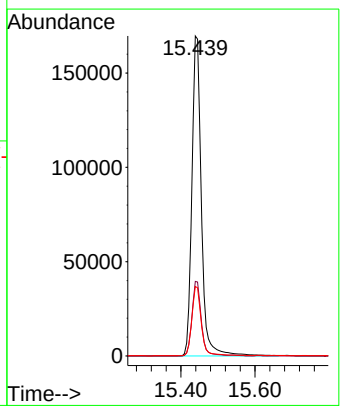



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF141169.D
Acq: 15 Jan 2025 12:11

Tgt Ion:264 Resp: 303475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.6 | 28.0 |
| 265 | 21.7 | 17.4 | 26.0 |



Sample Results: **BF141169.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141169.D
Acq On : 15 Jan 2025 12:11
Operator : RC/JU
Sample : PB166035BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BL

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-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141169.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.128 | 3 | 6 | 13 | rVB | 48110 | 74147 | 1.34% | 0.233% |
| 2 | 2.234 | 14 | 24 | 31 | rVB | 86883 | 137279 | 2.48% | 0.432% |
| 3 | 5.051 | 496 | 503 | 510 | rBV | 80207 | 127756 | 2.31% | 0.402% |
| 4 | 5.440 | 562 | 569 | 574 | rBV | 2938638 | 4252690 | 76.85% | 13.368% |
| 5 | 6.445 | 732 | 740 | 745 | rBV | 2837238 | 4276632 | 77.29% | 13.444% |
| 6 | 6.816 | 798 | 803 | 809 | rBV | 640566 | 811206 | 14.66% | 2.550% |
| 7 | 7.381 | 892 | 899 | 904 | rBV | 2021409 | 2844816 | 51.41% | 8.943% |
| 8 | 8.098 | 1015 | 1021 | 1027 | rBV | 812104 | 1063375 | 19.22% | 3.343% |
| 9 | 9.180 | 1198 | 1205 | 1210 | rBV | 3770024 | 5142662 | 92.94% | 16.166% |
| 10 | 9.857 | 1314 | 1320 | 1337 | rBV | 915350 | 1180798 | 21.34% | 3.712% |
| 11 | 10.645 | 1448 | 1454 | 1482 | rBV | 2484994 | 3354611 | 60.62% | 10.545% |
| 12 | 11.339 | 1567 | 1572 | 1579 | rBV | 903538 | 1187948 | 21.47% | 3.734% |
| 13 | 12.933 | 1837 | 1843 | 1848 | rBV | 4210802 | 5533457 | 100.00% | 17.394% |
| 14 | 13.980 | 2016 | 2021 | 2033 | rBV | 779121 | 1023560 | 18.50% | 3.218% |
| 15 | 15.439 | 2263 | 2269 | 2291 | rBV | 455216 | 800639 | 14.47% | 2.517% |

Sum of corrected areas: 31811576

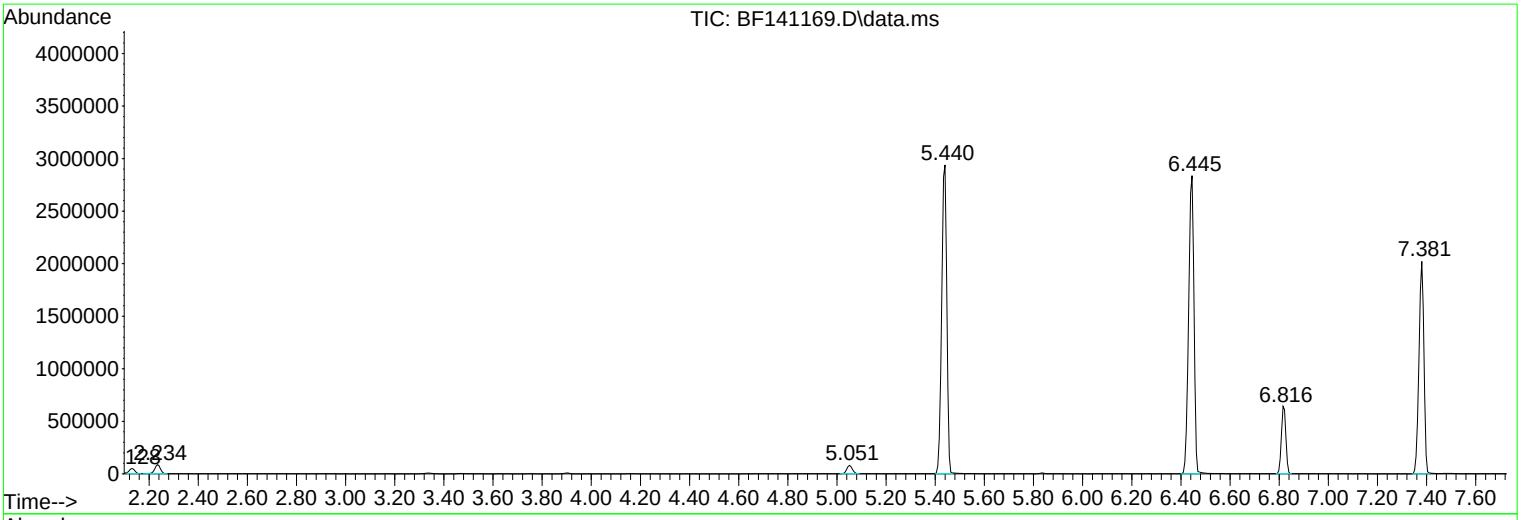
Sample Results: **BF141169.D**

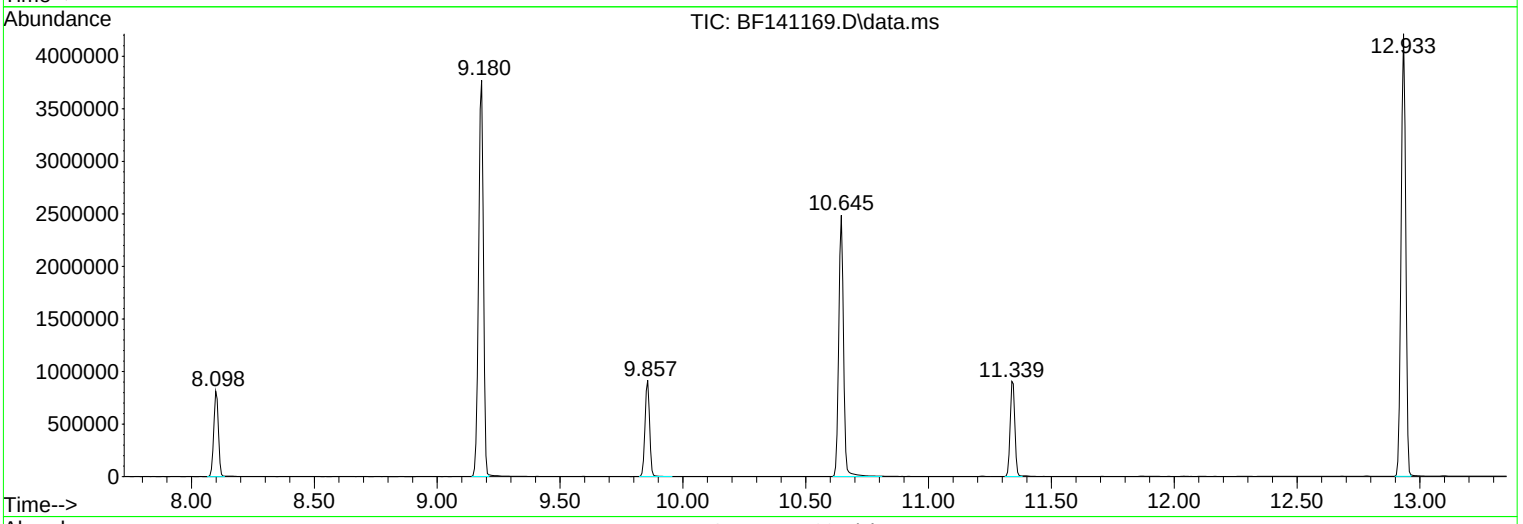
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141169.D
Acq On : 15 Jan 2025 12:11
Operator : RC/JU
Sample : PB166035BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

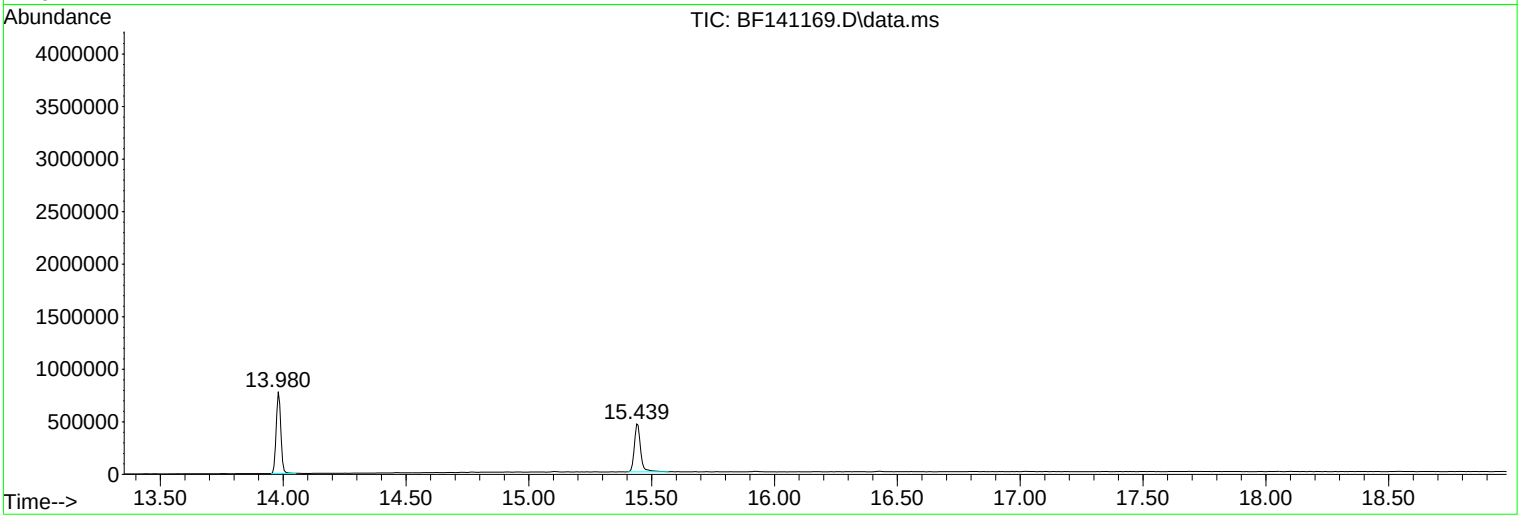
**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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\BF011525\
Data File : BF141169.D
Acq On : 15 Jan 2025 12:11
Operator : RC/JU
Sample : PB166035BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

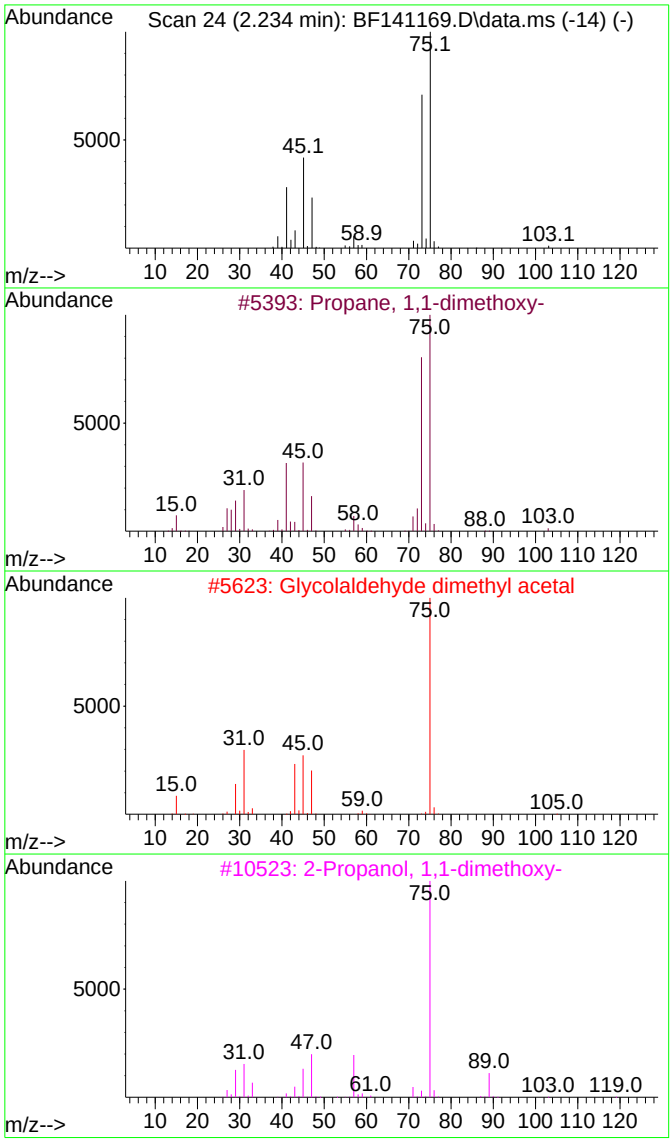
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

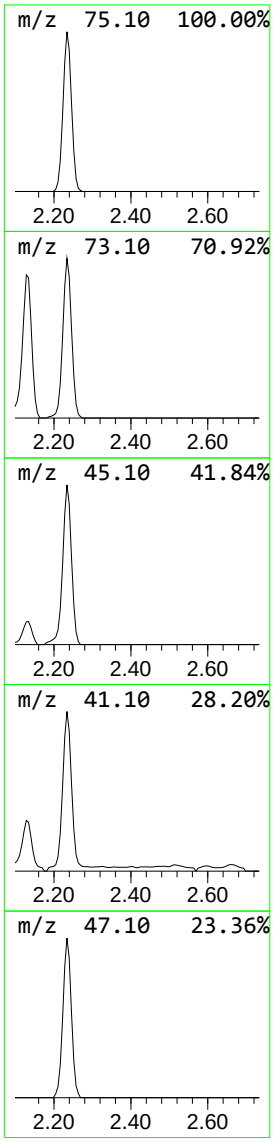
**********

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.234 | 3.38 ng | 137279 | 1,4-Dichlorobenzene-d4 | 6.816 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 1,1-dimethoxy- | 104 | C5H12O2 | 004744-10-9 | 64 |
| 2 | Glycolaldehyde dimethyl acetal | 106 | C4H10O3 | 030934-97-5 | 45 |
| 3 | 2-Propanol, 1,1-dimethoxy- | 120 | C5H12O3 | 042919-42-6 | 36 |
| 4 | Methane, trimethoxy- | 106 | C4H10O3 | 000149-73-5 | 33 |
| 5 | Aminoacetaldehyde dimethyl acetal | 105 | C4H11NO2 | 022483-09-6 | 33 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141169.D
Acq On : 15 Jan 2025 12:11
Operator : RC/JU
Sample : PB166035BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BL

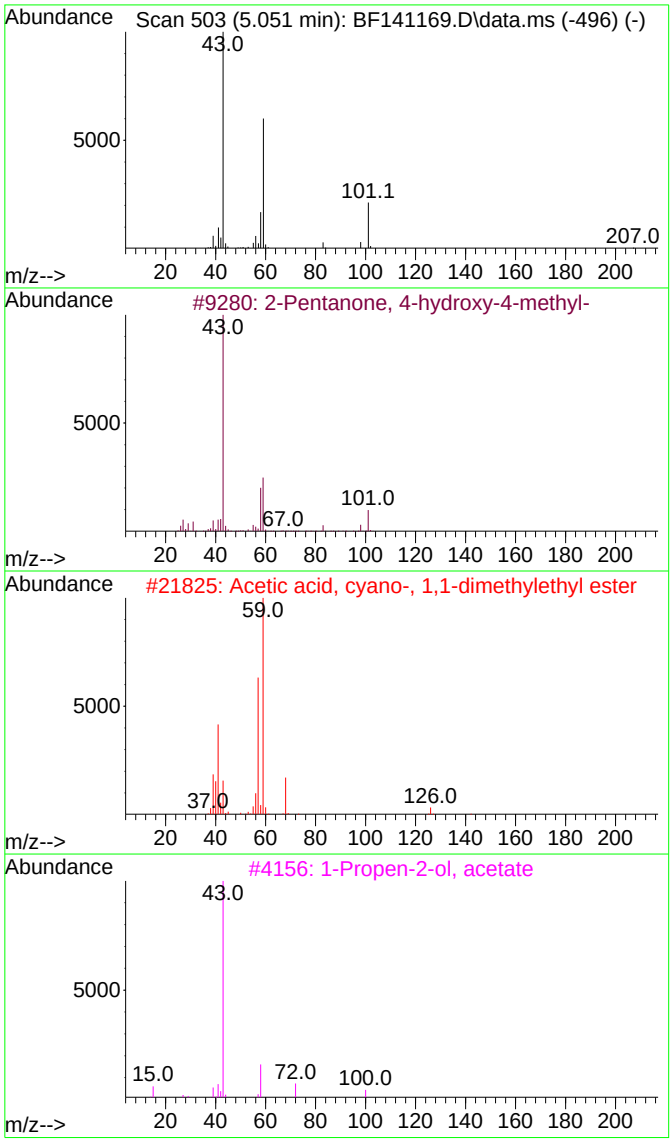
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

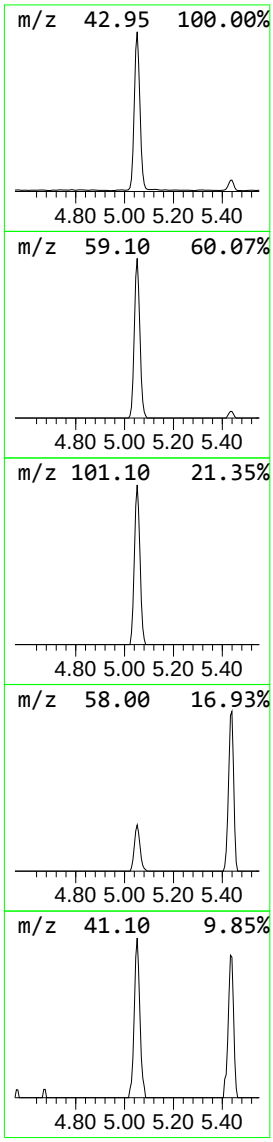
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.051 | 3.15 ng | 127756 | 1,4-Dichlorobenzene-d4 | 6.816 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 3 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |
| 4 | Acetone | 58 | C3H6O | 000067-64-1 | 10 |
| 5 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |



Sample Results: **BF141169.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141169.D
Acq On : 15 Jan 2025 12:11
Operator : RC/JU
Sample : PB166035BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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... | 2.234 | 3.4 | ng | 137279 | 1 | 6.816 | 811206 | 20.0 |
| 2-Pentanone, 4-... | 5.051 | 3.1 | ng | 127756 | 1 | 6.816 | 811206 | 20.0 |

Raw Data: **BF141171.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB166061BL | SDG No.: | Q1069 |
| Lab Sample ID: | PB166061BL | 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 |
|---|---|---|---|---|
| BF141171.D | 1 | 01/15/25 09:15 | 01/15/25 13:12 | PB166061 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 270 | U | 180 | 270 | 330 | ug/Kg |
| 108-95-2 | Phenol | 130 | U | 82.8 | 130 | 170 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 130 | U | 83.6 | 130 | 170 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 130 | U | 83.4 | 130 | 170 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 130 | U | 80.5 | 130 | 170 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 130 | U | 90.8 | 130 | 170 | ug/Kg |
| 98-86-2 | Acetophenone | 130 | U | 86.8 | 130 | 170 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 270 | U | 79.7 | 270 | 330 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 79.9 | U | 40.3 | 79.9 | 79.9 | ug/Kg |
| 67-72-1 | Hexachloroethane | 130 | U | 82.9 | 130 | 170 | ug/Kg |
| 98-95-3 | Nitrobenzene | 130 | U | 90.7 | 130 | 170 | ug/Kg |
| 78-59-1 | Isophorone | 130 | U | 84.5 | 130 | 170 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 130 | U | 94.4 | 130 | 170 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 130 | U | 93.1 | 130 | 170 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 130 | U | 85.7 | 130 | 170 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 130 | U | 75.4 | 130 | 170 | ug/Kg |
| 91-20-3 | Naphthalene | 130 | U | 82.5 | 130 | 170 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 130 | U | 82.5 | 130 | 170 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 130 | U | 83.2 | 130 | 170 | ug/Kg |
| 105-60-2 | Caprolactam | 270 | U | 86.7 | 270 | 330 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 130 | U | 77.4 | 130 | 170 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 130 | U | 82.4 | 130 | 170 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 270 | U | 160 | 270 | 330 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 130 | U | 71.4 | 130 | 170 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 130 | U | 74.0 | 130 | 170 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 130 | U | 87.3 | 130 | 170 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 130 | U | 83.2 | 130 | 170 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 130 | U | 94.9 | 130 | 170 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 130 | U | 81.6 | 130 | 170 | ug/Kg |

Raw Data: **BF141171.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB166061BL | SDG No.: | Q1069 |
| Lab Sample ID: | PB166061BL | 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 |
|---|---|---|---|---|
| BF141171.D | 1 | 01/15/25 09:15 | 01/15/25 13:12 | PB166061 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 130 | U | 86.4 | 130 | 170 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 130 | U | 83.1 | 130 | 170 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 130 | U | 89.1 | 130 | 170 | ug/Kg |
| 83-32-9 | Acenaphthene | 130 | U | 81.0 | 130 | 170 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 270 | U | 240 | 270 | 330 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 270 | U | 120 | 270 | 330 | ug/Kg |
| 132-64-9 | Dibenzofuran | 130 | U | 84.3 | 130 | 170 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 130 | U | 86.1 | 130 | 170 | ug/Kg |
| 84-66-2 | Diethylphthalate | 130 | U | 80.0 | 130 | 170 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 130 | U | 85.5 | 130 | 170 | ug/Kg |
| 86-73-7 | Fluorene | 130 | U | 85.4 | 130 | 170 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 130 | U | 110 | 130 | 170 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 270 | U | 120 | 270 | 330 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 130 | U | 81.5 | 130 | 170 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 130 | U | 78.8 | 130 | 170 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 130 | U | 84.9 | 130 | 170 | ug/Kg |
| 1912-24-9 | Atrazine | 130 | U | 91.3 | 130 | 170 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 270 | U | 77.2 | 270 | 330 | ug/Kg |
| 85-01-8 | Phenanthrene | 130 | U | 83.9 | 130 | 170 | ug/Kg |
| 120-12-7 | Anthracene | 130 | U | 84.3 | 130 | 170 | ug/Kg |
| 86-74-8 | Carbazole | 130 | U | 80.2 | 130 | 170 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 130 | U | 84.2 | 130 | 170 | ug/Kg |
| 206-44-0 | Fluoranthene | 130 | U | 81.6 | 130 | 170 | ug/Kg |
| 129-00-0 | Pyrene | 130 | U | 82.9 | 130 | 170 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 130 | U | 96.7 | 130 | 170 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 270 | U | 98.5 | 270 | 330 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 130 | U | 80.6 | 130 | 170 | ug/Kg |
| 218-01-9 | Chrysene | 130 | U | 79.4 | 130 | 170 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 130 | U | 90.9 | 130 | 170 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 270 | U | 110 | 270 | 330 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 130 | U | 81.0 | 130 | 170 | ug/Kg |

Raw Data: **BF141171.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB166061BL | SDG No.: | Q1069 |
| Lab Sample ID: | PB166061BL | 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 |
|---|---|---|---|---|
| BF141171.D | 1 | 01/15/25 09:15 | 01/15/25 13:12 | PB166061 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 130 | U | 82.5 | 130 | 170 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 130 | U | 92.9 | 130 | 170 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 130 | U | 78.0 | 130 | 170 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 130 | U | 81.1 | 130 | 170 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 130 | U | 80.0 | 130 | 170 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 130 | U | 86.7 | 130 | 170 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 130 | U | 110 | 130 | 170 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 130 | U | 74.7 | 130 | 170 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 138 | | 35 - 115 | | 92% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 135 | | 34 - 127 | | 90% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 96.3 | | 37 - 122 | | 96% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 96.1 | | 44 - 115 | | 96% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 148 | | 39 - 132 | | 99% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 82.0 | | 54 - 127 | | 82% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 140000 | 6.822 | | | | |
| 1146-65-2 | Naphthalene-d8 | 549000 | 8.098 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 287000 | 9.857 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 485000 | 11.345 | | | | |
| 1719-03-5 | Chrysene-d12 | 392000 | 13.98 | | | | |
| 1520-96-3 | Perylene-d12 | 313000 | 15.451 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 004744-10-9 | Propane, 1,1-dimethoxy- | 110 | J | | | 2.23 | ug/Kg |
| 000123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 100 | A | | | 5.05 | ug/Kg |

Raw Data: **BF141171.D**

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | | | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | | | Date Received: | |
| Client Sample ID: | PB166061BL | | | SDG No.: | Q1069 |
| Lab Sample ID: | PB166061BL | | | 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 |
|---|---|---|---|---|
| BF141171.D | 1 | 01/15/25 09:15 | 01/15/25 13:12 | PB166061 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | 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\BF011525\
Data File : BF141171.D
Acq On : 15 Jan 2025 13:12
Operator : RC/JU
Sample : PB166061BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BL

Quant Time: Jan 15 13:43:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

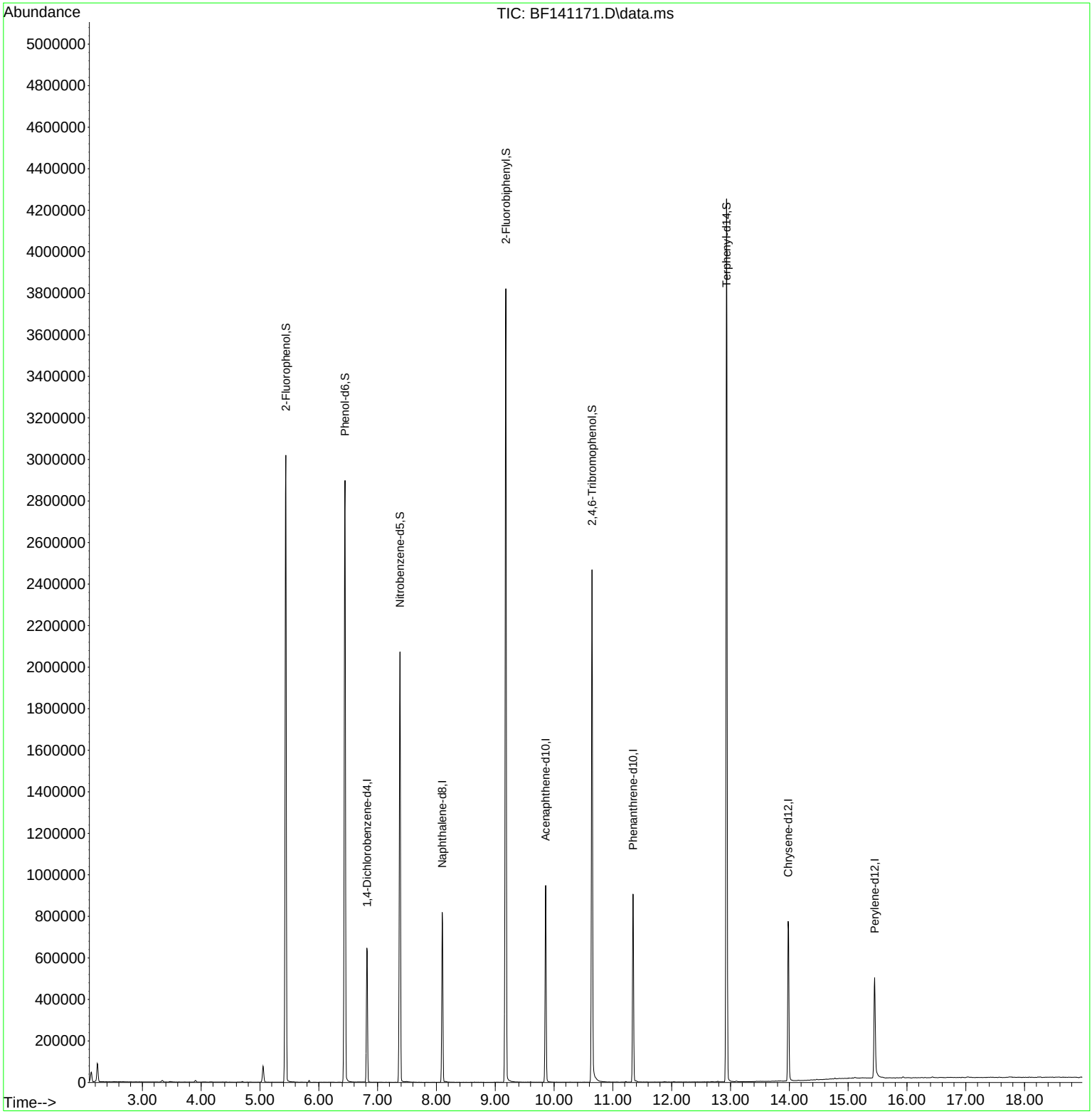
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 139696 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.098 | 136 | 549482 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.857 | 164 | 287376 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 484833 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.980 | 240 | 391933 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.451 | 264 | 312524 | 20.000 | ng | 0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.440 | 112 | 1249298 | 138.151 | ng | 0.01 |
| 7) Phenol-d6 | 6.446 | 99 | 1551005 | 135.402 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.381 | 82 | 997879 | 96.265 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.645 | 330 | 486085 | 148.447 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.181 | 172 | 1807597 | 96.051 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 2162494 | 82.007 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |

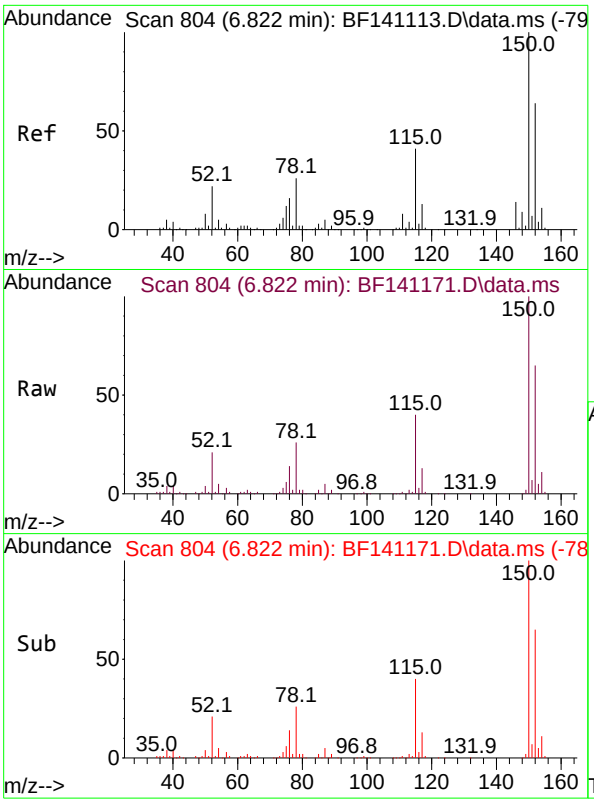
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141171.D
Acq On : 15 Jan 2025 13:12
Operator : RC/JU
Sample : PB166061BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BL

Quant Time: Jan 15 13:43:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



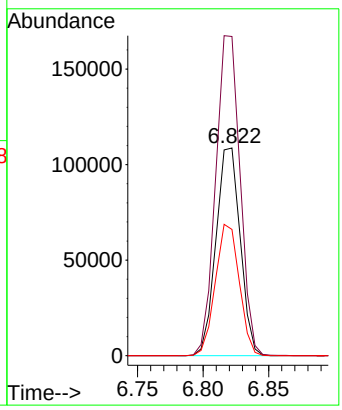


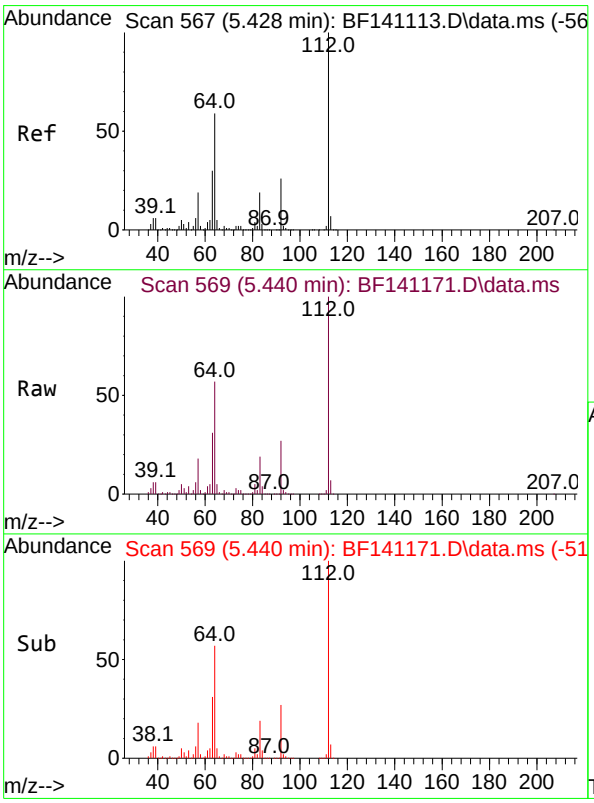

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141171.D
Acq: 15 Jan 2025 13:12

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BL

Tgt Ion:152 Resp: 139696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.7 | 125.8 | 188.8 |
| 115 | 60.8 | 51.4 | 77.2 |

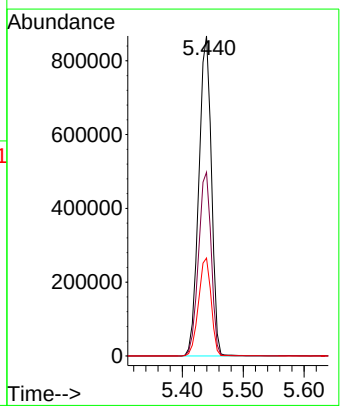


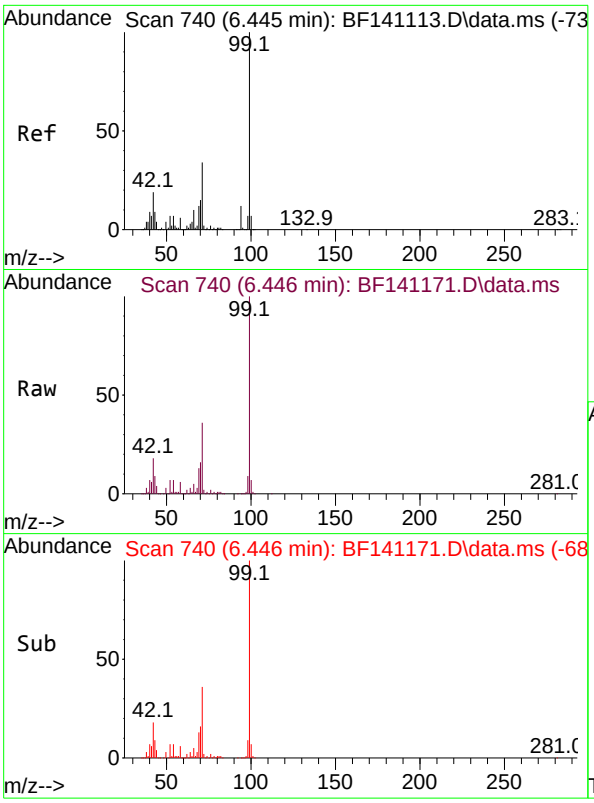




#5
2-Fluorophenol
Concen: 138.151 ng
RT: 5.440 min Scan# 569
Delta R.T. 0.012 min
Lab File: BF141171.D
Acq: 15 Jan 2025 13:12

Tgt Ion:112 Resp: 1249298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.4 | 47.3 | 70.9 |
| 63 | 30.6 | 24.2 | 36.2 |



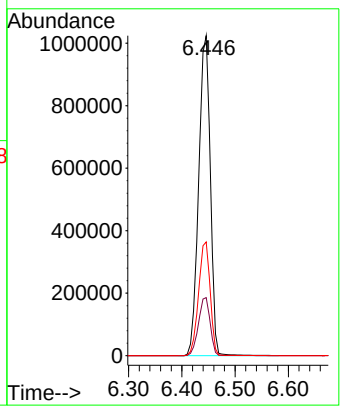


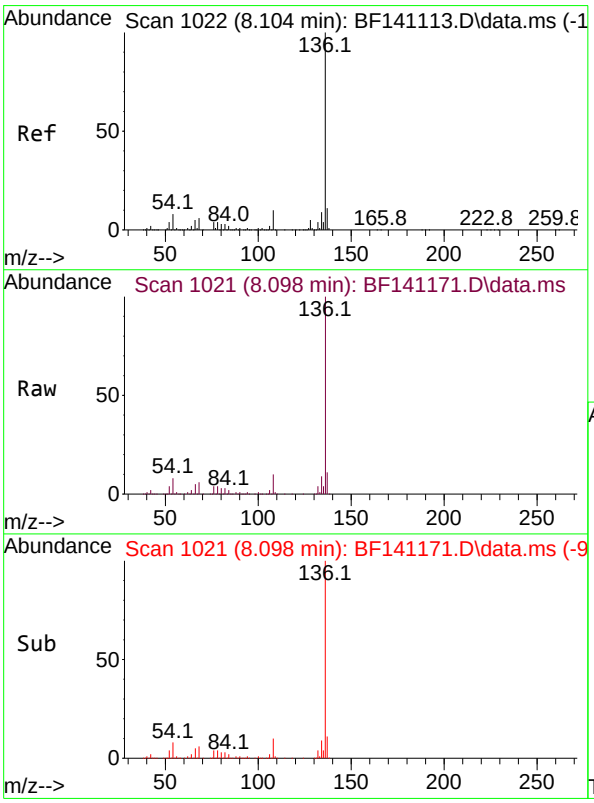

#7
Phenol-d6
Concen: 135.402 ng
RT: 6.446 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141171.D
Acq: 15 Jan 2025 13:12

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BL

Tgt Ion: 99 Resp: 1551005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.2 | 15.0 | 22.4 |
| 71 | 35.6 | 27.6 | 41.4 |

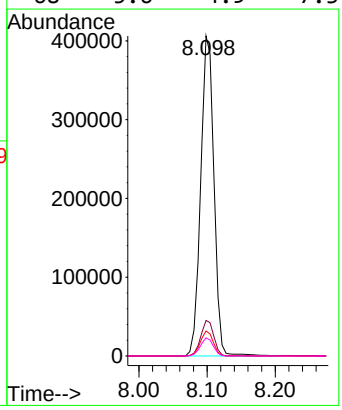


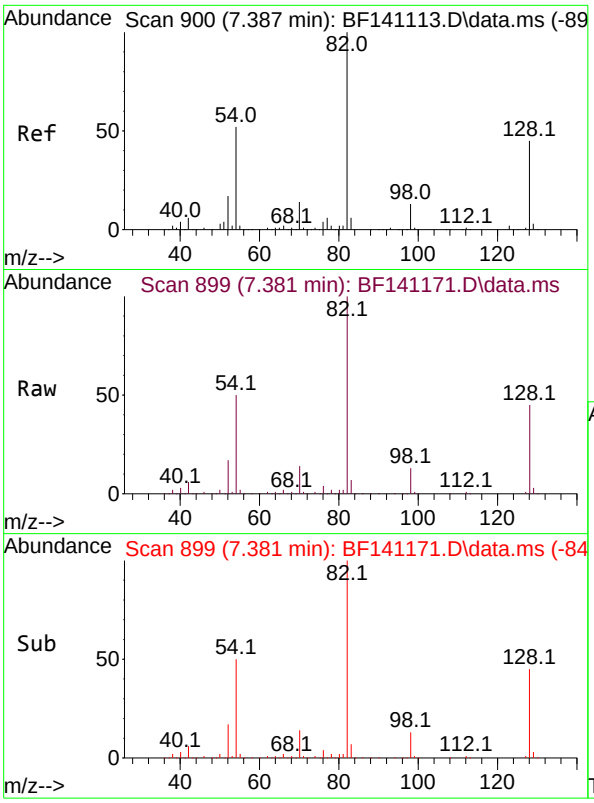




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141171.D
Acq: 15 Jan 2025 13:12

Tgt Ion:136 Resp: 549482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.8 | 13.2 |
| 54 | 7.8 | 6.3 | 9.5 |
| 68 | 5.6 | 4.9 | 7.3 |



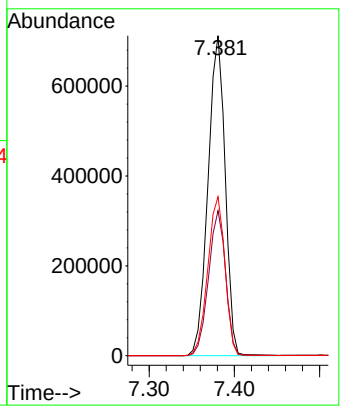


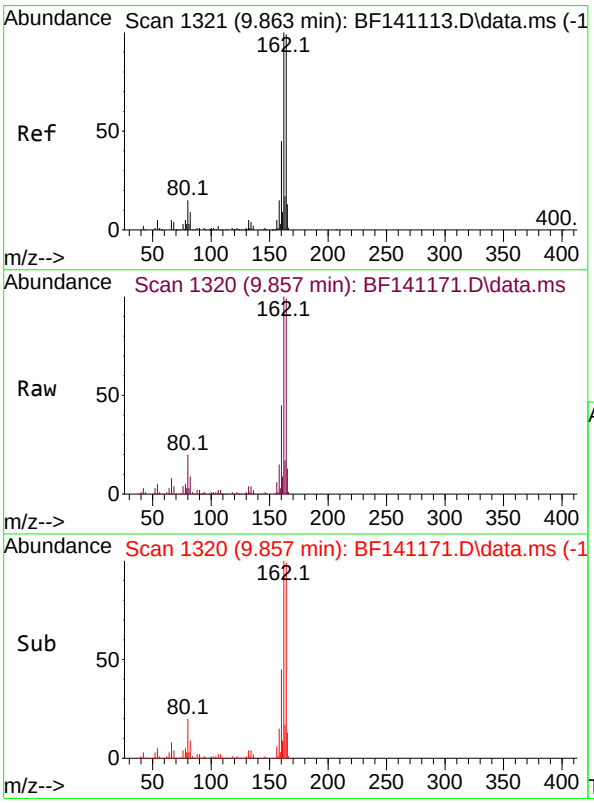

#23
Nitrobenzene-d5
Concen: 96.265 ng
RT: 7.381 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141171.D
Acq: 15 Jan 2025 13:12

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BL

Tgt Ion: 82 Resp: 997879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.3 | 36.1 | 54.1 |
| 54 | 49.7 | 41.0 | 61.4 |

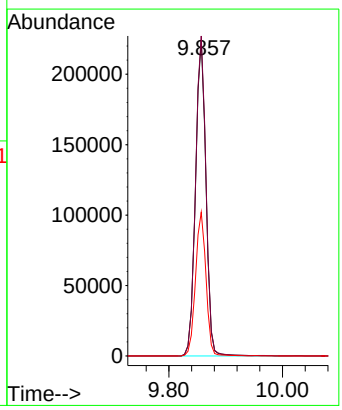


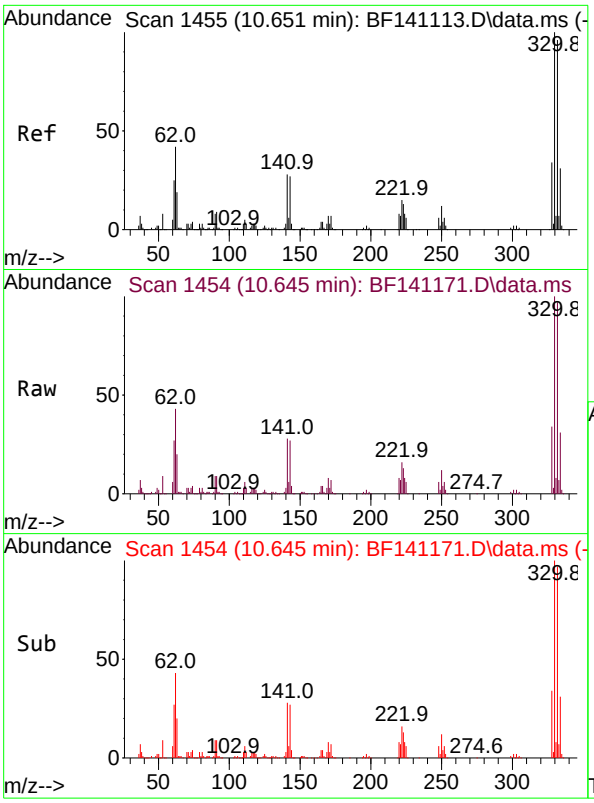




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141171.D
Acq: 15 Jan 2025 13:12

Tgt Ion:164 Resp: 287376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.4 | 81.0 | 121.4 |
| 160 | 45.5 | 36.1 | 54.1 |



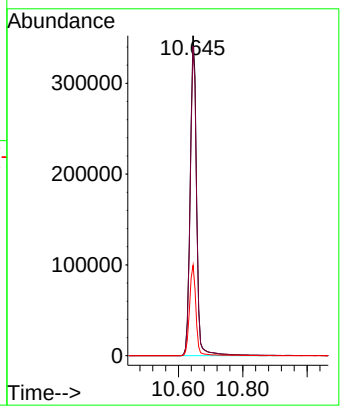


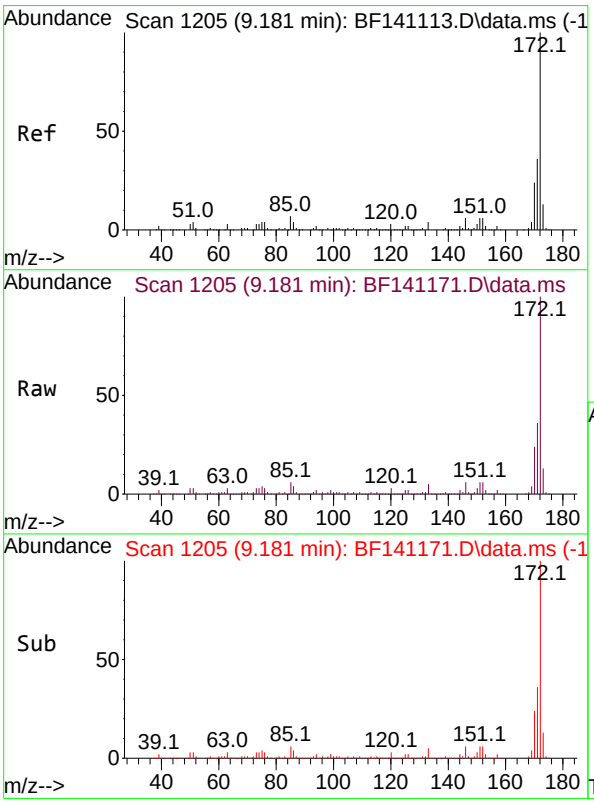

#42
2,4,6-Tribromophenol
Concen: 148.447 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141171.D
Acq: 15 Jan 2025 13:12

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BL

Tgt Ion:330 Resp: 486085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 76.9 | 115.3 |
| 141 | 28.4 | 25.2 | 37.8 |

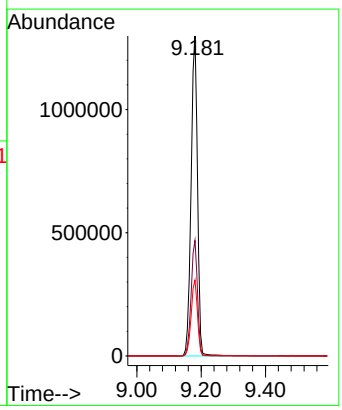


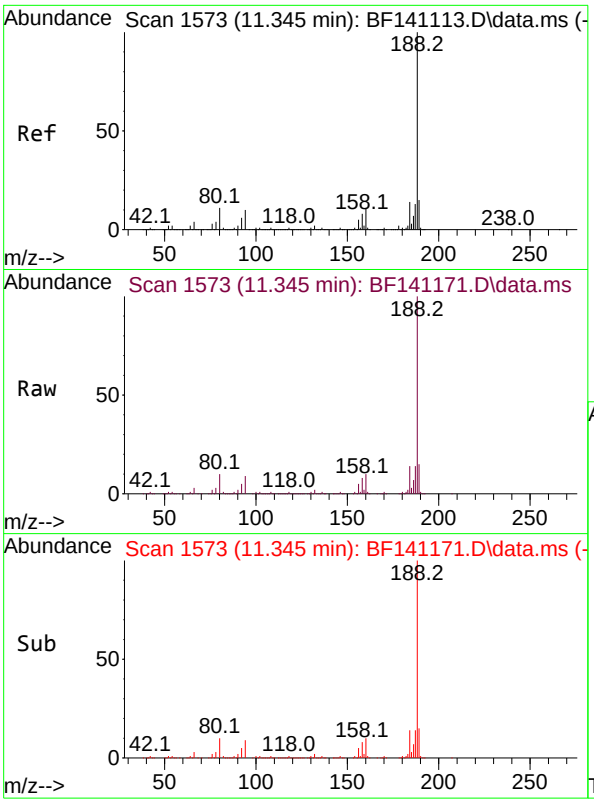




#45
2-Fluorobiphenyl
Concen: 96.051 ng
RT: 9.181 min Scan# 1205
Delta R.T. 0.000 min
Lab File: BF141171.D
Acq: 15 Jan 2025 13:12

Tgt Ion:172 Resp: 1807597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 28.7 | 43.1 |
| 170 | 23.7 | 19.0 | 28.6 |



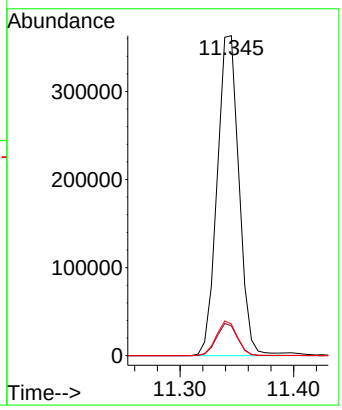


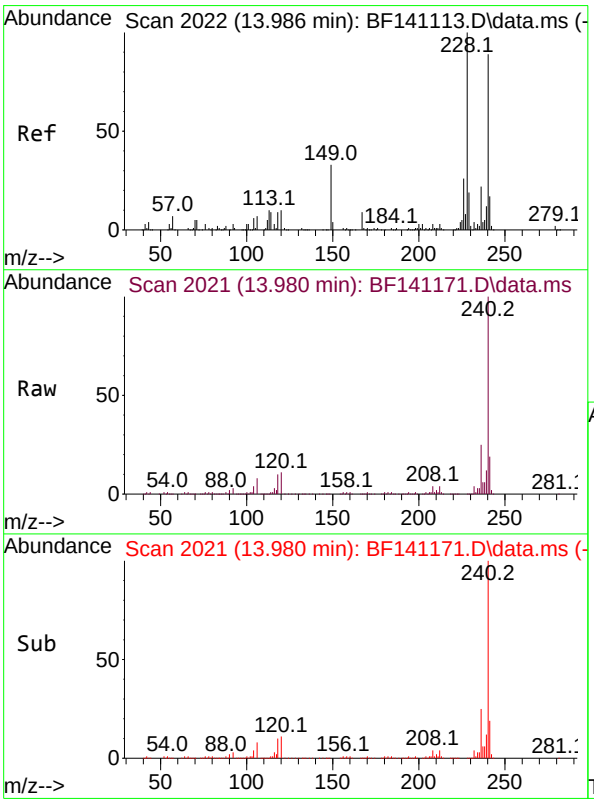

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141171.D
Acq: 15 Jan 2025 13:12

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BL

Tgt Ion:188 Resp: 484833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.3 | 8.3 | 12.5 |
| 80 | 9.9 | 9.0 | 13.4 |

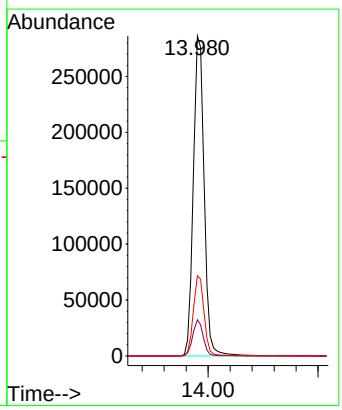


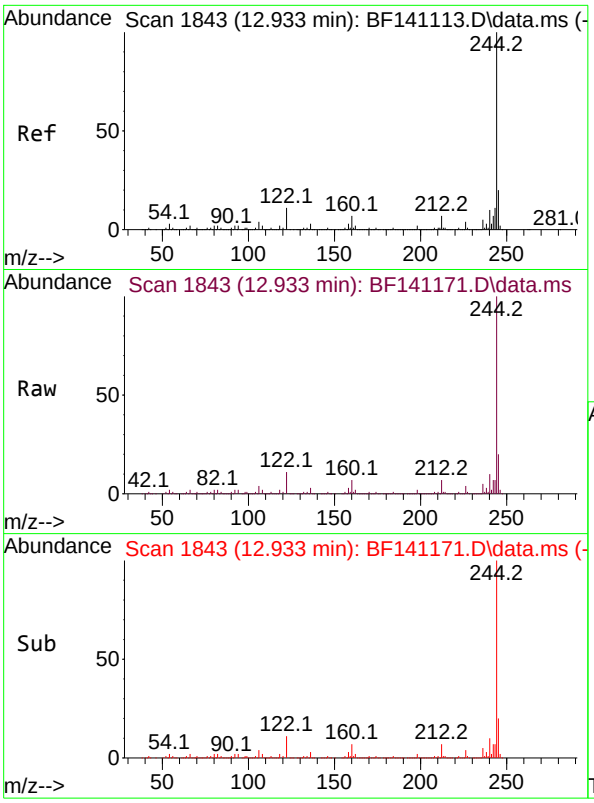




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF141171.D
Acq: 15 Jan 2025 13:12

Tgt Ion:240 Resp: 391933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.3 | 9.1 | 13.7 |
| 236 | 25.0 | 19.8 | 29.6 |



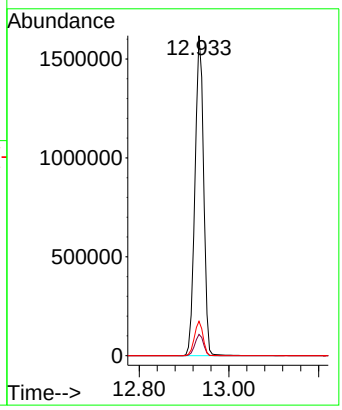


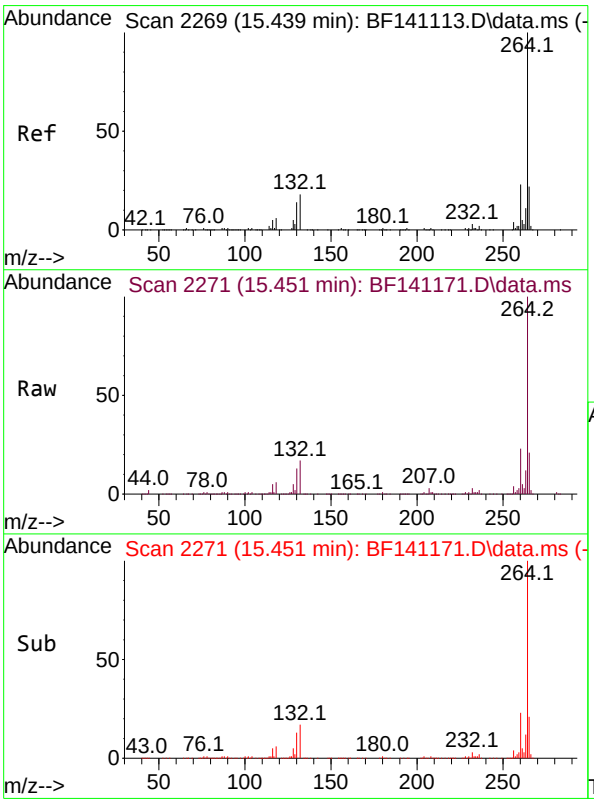

#79
Terphenyl-d14
Concen: 82.007 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141171.D
Acq: 15 Jan 2025 13:12

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BL

Tgt Ion:244 Resp: 2162494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.4 | 8.2 |
| 122 | 10.7 | 8.8 | 13.2 |

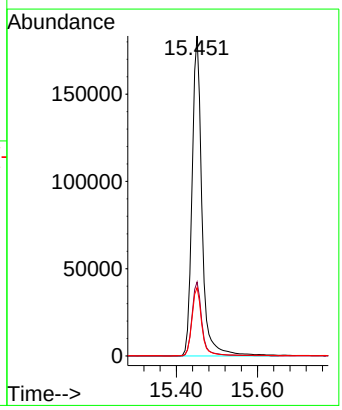



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141171.D
Acq: 15 Jan 2025 13:12

Tgt Ion:264 Resp: 312524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 18.6 | 28.0 |
| 265 | 21.3 | 17.4 | 26.0 |



Sample Results: **BF141171.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141171.D
Acq On : 15 Jan 2025 13:12
Operator : RC/JU
Sample : PB166061BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BL

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-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141171.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.134 | 3 | 7 | 13 | rVB | 46007 | 72325 | 1.29% | 0.223% |
| 2 | 2.234 | 14 | 24 | 31 | rBV | 87532 | 140956 | 2.50% | 0.435% |
| 3 | 5.051 | 493 | 503 | 510 | rBV | 76985 | 129588 | 2.30% | 0.400% |
| 4 | 5.440 | 562 | 569 | 574 | rBV | 3019285 | 4341134 | 77.14% | 13.384% |
| 5 | 6.446 | 732 | 740 | 745 | rBV | 2897707 | 4358591 | 77.46% | 13.438% |
| 6 | 6.816 | 798 | 803 | 809 | rBV | 645672 | 824989 | 14.66% | 2.543% |
| 7 | 7.381 | 892 | 899 | 904 | rBV | 2072600 | 2897354 | 51.49% | 8.933% |
| 8 | 8.098 | 1015 | 1021 | 1027 | rBV | 818145 | 1088162 | 19.34% | 3.355% |
| 9 | 9.181 | 1197 | 1205 | 1210 | rBV | 3821673 | 5245602 | 93.22% | 16.173% |
| 10 | 9.857 | 1313 | 1320 | 1338 | rBV | 947777 | 1217700 | 21.64% | 3.754% |
| 11 | 10.645 | 1447 | 1454 | 1493 | rBV | 2468141 | 3418908 | 60.76% | 10.541% |
| 12 | 11.339 | 1567 | 1572 | 1579 | rBV | 904024 | 1203486 | 21.39% | 3.710% |
| 13 | 12.933 | 1837 | 1843 | 1848 | rBV | 4251913 | 5627247 | 100.00% | 17.349% |
| 14 | 13.980 | 2016 | 2021 | 2031 | rBV | 768882 | 1039636 | 18.48% | 3.205% |
| 15 | 15.451 | 2264 | 2271 | 2291 | rBV | 484020 | 829600 | 14.74% | 2.558% |

Sum of corrected areas: 32435278

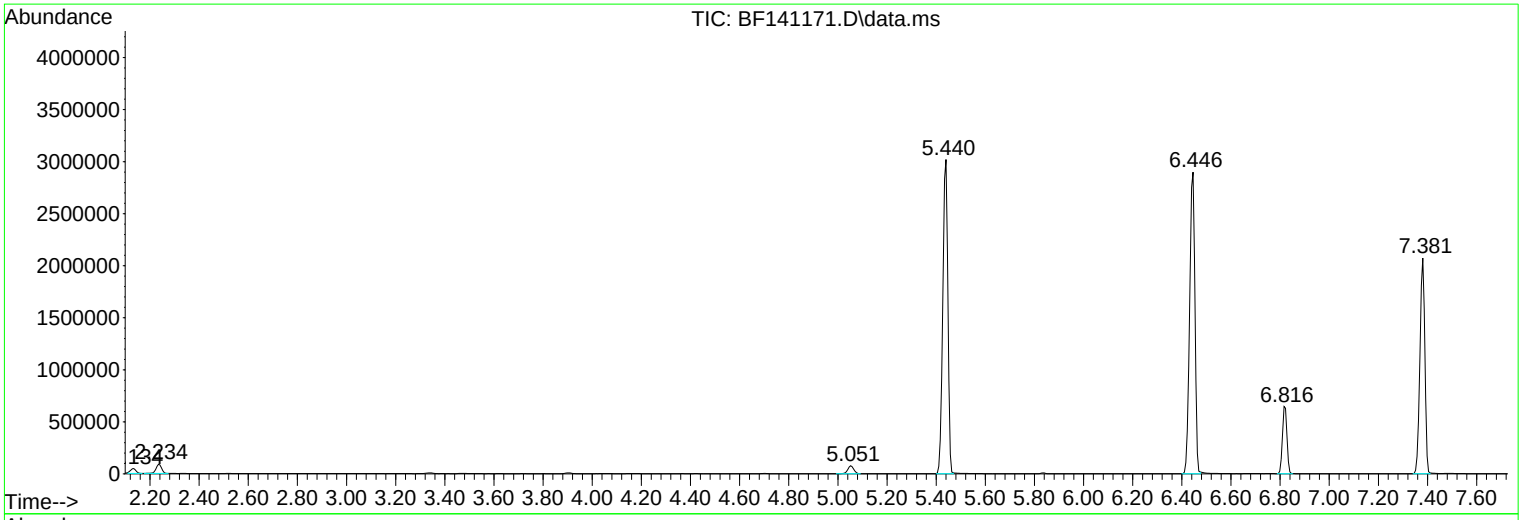
Sample Results: **BF141171.D**

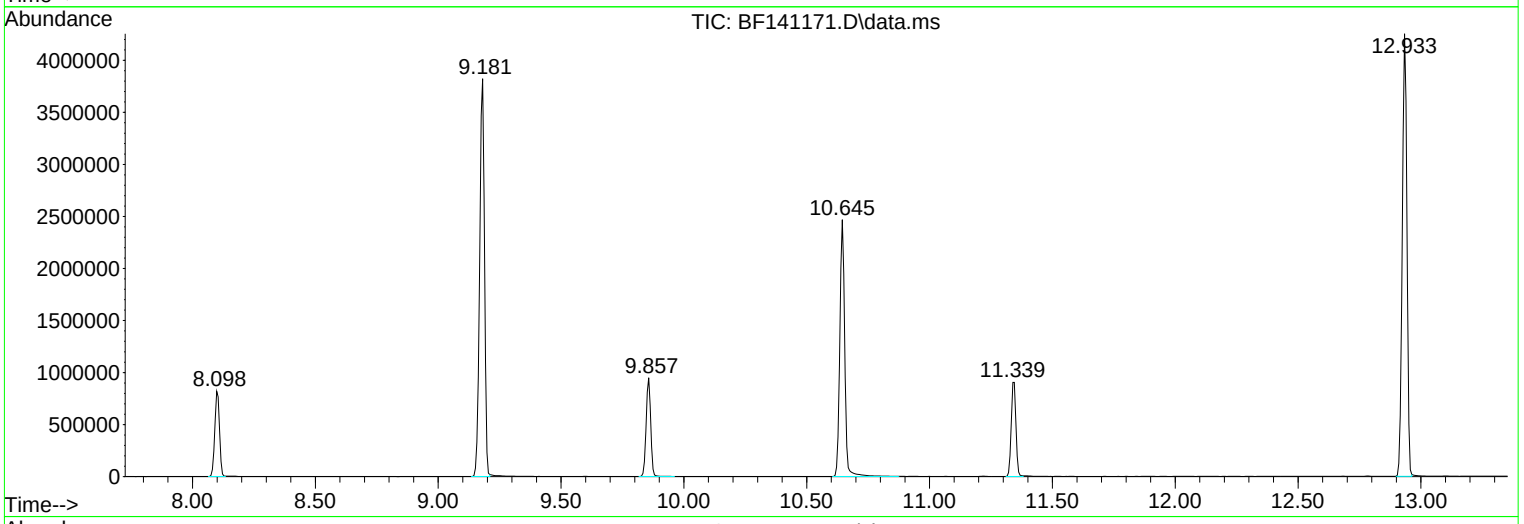
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141171.D
Acq On : 15 Jan 2025 13:12
Operator : RC/JU
Sample : PB166061BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

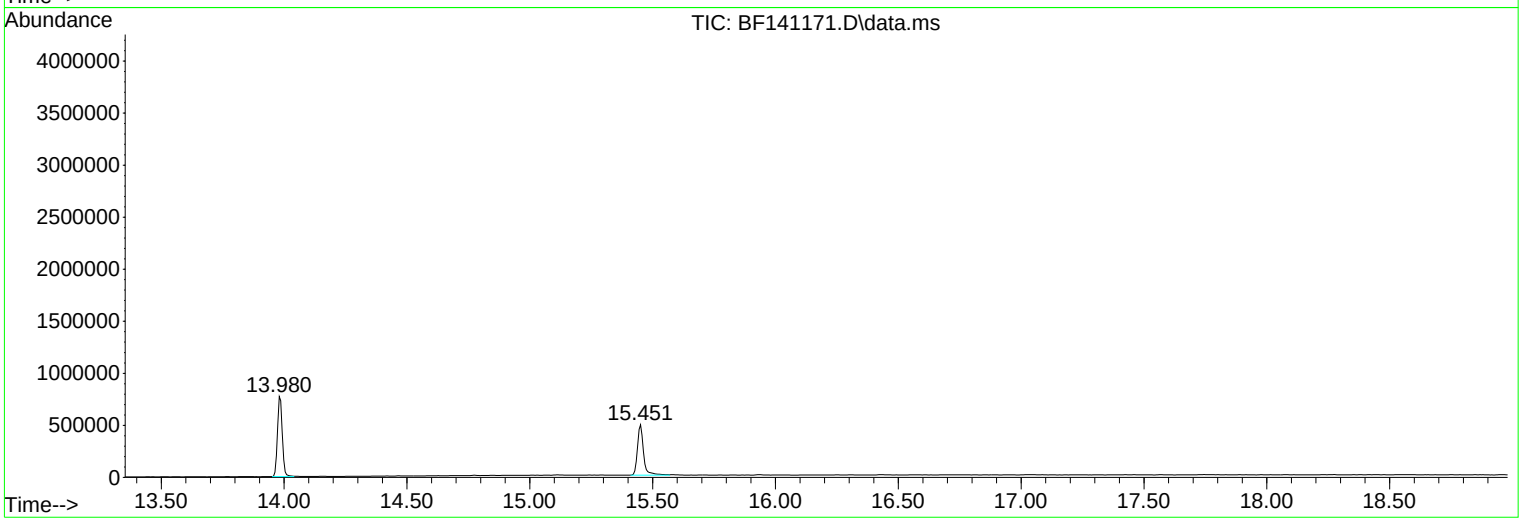
**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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\BF011525\
Data File : BF141171.D
Acq On : 15 Jan 2025 13:12
Operator : RC/JU
Sample : PB166061BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BL

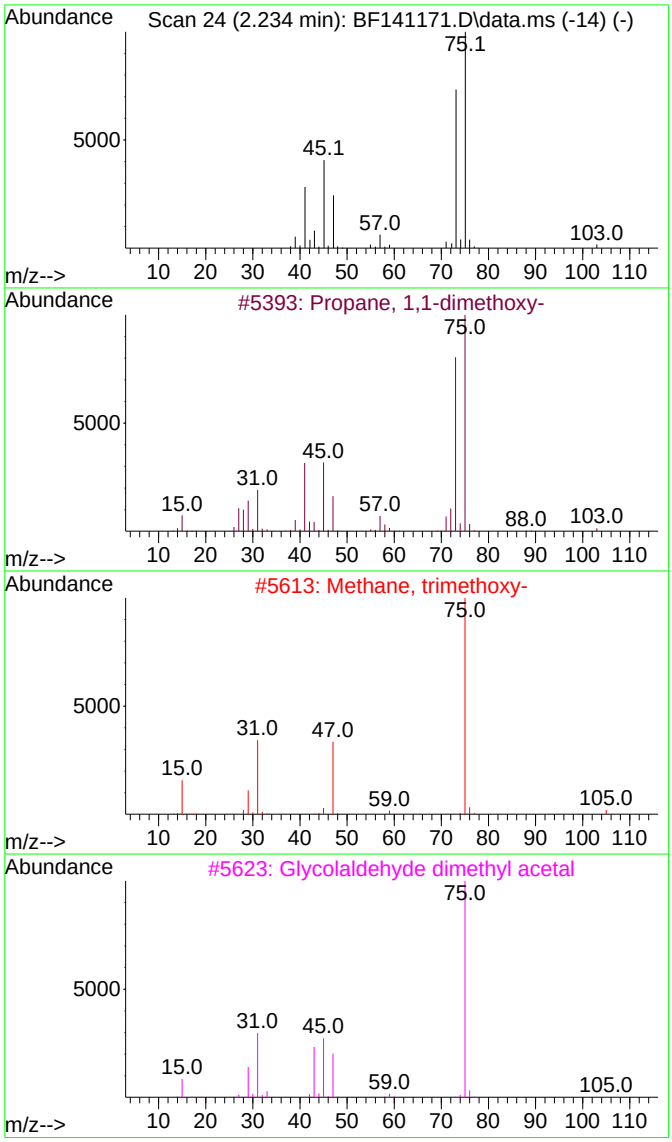
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

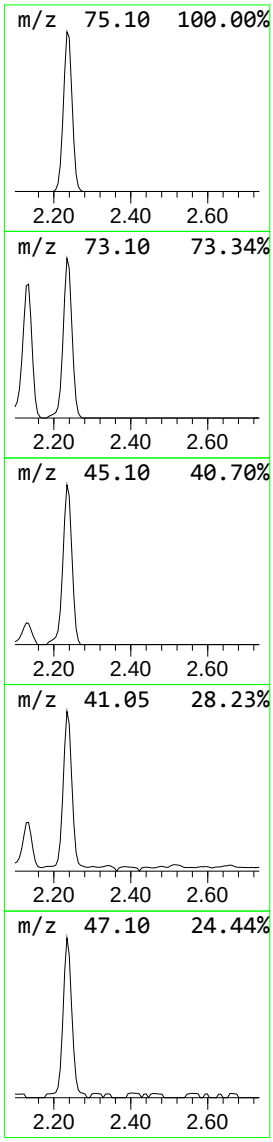
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.234 | 3.42 ng | 140956 | 1,4-Dichlorobenzene-d4 | 6.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 1,1-dimethoxy- | 104 | C5H12O2 | 004744-10-9 | 64 |
| 2 | Methane, trimethoxy- | 106 | C4H10O3 | 000149-73-5 | 38 |
| 3 | Glycolaldehyde dimethyl acetal | 106 | C4H10O3 | 030934-97-5 | 36 |
| 4 | Aminoacetaldehyde dimethyl acetal | 105 | C4H11NO2 | 022483-09-6 | 33 |
| 5 | Acetic acid, dimethoxy-, methyl ... | 134 | C5H10O4 | 000089-91-8 | 28 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141171.D
Acq On : 15 Jan 2025 13:12
Operator : RC/JU
Sample : PB166061BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

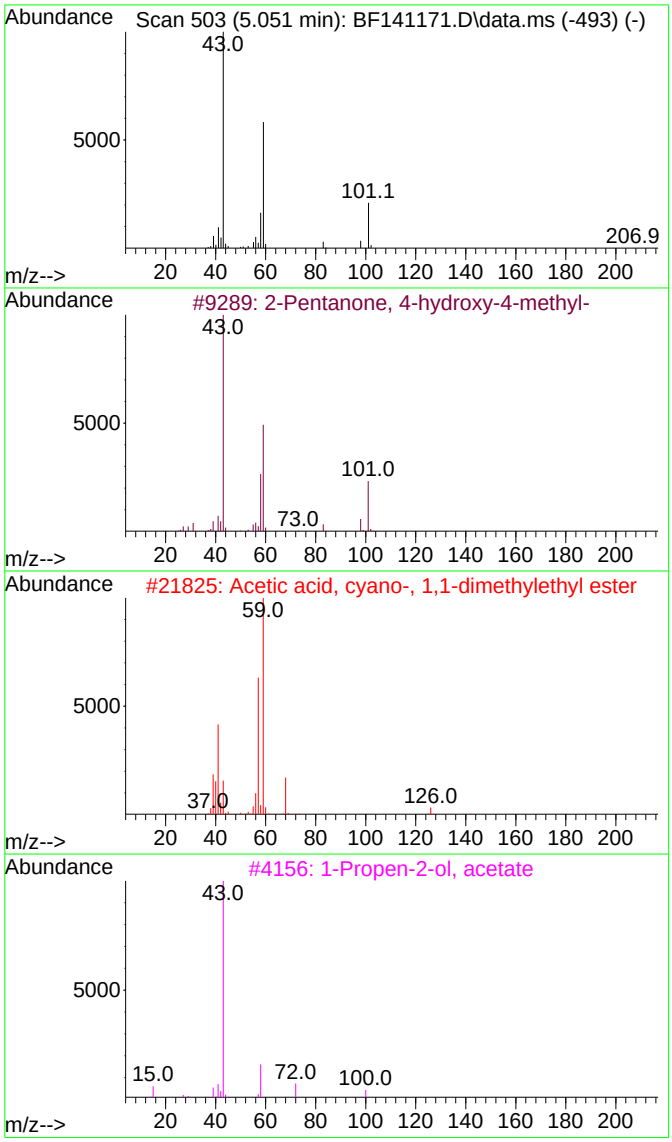
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

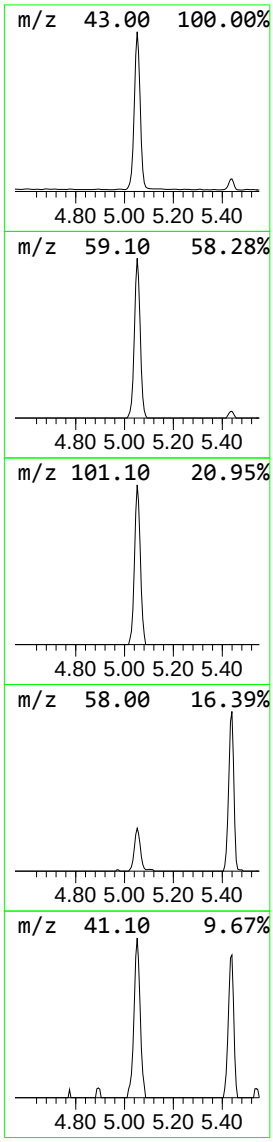
**********

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.051 | 3.14 ng | 129588 | 1,4-Dichlorobenzene-d4 | 6.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17 |
| 3 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |
| 4 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |
| 5 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |



Sample Results: **BF141171.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141171.D
Acq On : 15 Jan 2025 13:12
Operator : RC/JU
Sample : PB166061BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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... | 2.234 | 3.4 | ng | 140956 | 1 | 6.822 | 824989 | 20.0 |
| 2-Pentanone, 4-... | 5.051 | 3.1 | ng | 129588 | 1 | 6.822 | 824989 | 20.0 |

Raw Data: **BF141165.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB166035BS | SDG No.: | Q1069 |
| Lab Sample ID: | PB166035BS | 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 |
|---|---|---|---|---|
| BF141165.D | 1 | 01/13/25 08:54 | 01/15/25 10:26 | PB166035 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 280 | J | 180 | 270 | 330 | ug/Kg |
| 108-95-2 | Phenol | 1500 | | 82.8 | 130 | 170 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 1500 | | 83.6 | 130 | 170 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 1600 | | 83.4 | 130 | 170 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 1500 | | 80.5 | 130 | 170 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 1500 | | 90.8 | 130 | 170 | ug/Kg |
| 98-86-2 | Acetophenone | 1500 | | 86.8 | 130 | 170 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 1500 | | 79.7 | 270 | 330 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1500 | | 40.3 | 79.9 | 79.9 | ug/Kg |
| 67-72-1 | Hexachloroethane | 1500 | | 82.9 | 130 | 170 | ug/Kg |
| 98-95-3 | Nitrobenzene | 1400 | | 90.7 | 130 | 170 | ug/Kg |
| 78-59-1 | Isophorone | 1500 | | 84.5 | 130 | 170 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 1600 | | 94.4 | 130 | 170 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 1800 | | 93.1 | 130 | 170 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1500 | | 85.7 | 130 | 170 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 1600 | | 75.4 | 130 | 170 | ug/Kg |
| 91-20-3 | Naphthalene | 1500 | | 82.5 | 130 | 170 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 740 | | 82.5 | 130 | 170 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 1500 | | 83.2 | 130 | 170 | ug/Kg |
| 105-60-2 | Caprolactam | 1500 | | 86.7 | 270 | 330 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 1600 | | 77.4 | 130 | 170 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 1500 | | 82.4 | 130 | 170 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 5900 | E | 160 | 270 | 330 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 1600 | | 71.4 | 130 | 170 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 1500 | | 74.0 | 130 | 170 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 1500 | | 87.3 | 130 | 170 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 1500 | | 83.2 | 130 | 170 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 1600 | | 94.9 | 130 | 170 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 1500 | | 81.6 | 130 | 170 | ug/Kg |

Raw Data: **BF141165.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB166035BS | SDG No.: | Q1069 |
| Lab Sample ID: | PB166035BS | 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 |
|---|---|---|---|---|
| BF141165.D | 1 | 01/13/25 08:54 | 01/15/25 10:26 | PB166035 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 1600 | | 86.4 | 130 | 170 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 1500 | | 83.1 | 130 | 170 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 940 | | 89.1 | 130 | 170 | ug/Kg |
| 83-32-9 | Acenaphthene | 1700 | | 81.0 | 130 | 170 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 3600 | E | 240 | 270 | 330 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 3400 | E | 120 | 270 | 330 | ug/Kg |
| 132-64-9 | Dibenzofuran | 1500 | | 84.3 | 130 | 170 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 1600 | | 86.1 | 130 | 170 | ug/Kg |
| 84-66-2 | Diethylphthalate | 1500 | | 80.0 | 130 | 170 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1500 | | 85.5 | 130 | 170 | ug/Kg |
| 86-73-7 | Fluorene | 1500 | | 85.4 | 130 | 170 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 1600 | | 110 | 130 | 170 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1800 | | 120 | 270 | 330 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 1500 | | 81.5 | 130 | 170 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 1500 | | 78.8 | 130 | 170 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 1600 | | 84.9 | 130 | 170 | ug/Kg |
| 1912-24-9 | Atrazine | 2000 | | 91.3 | 130 | 170 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 3200 | E | 77.2 | 270 | 330 | ug/Kg |
| 85-01-8 | Phenanthrene | 1600 | | 83.9 | 130 | 170 | ug/Kg |
| 120-12-7 | Anthracene | 1700 | | 84.3 | 130 | 170 | ug/Kg |
| 86-74-8 | Carbazole | 1700 | | 80.2 | 130 | 170 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 1600 | | 84.2 | 130 | 170 | ug/Kg |
| 206-44-0 | Fluoranthene | 1700 | | 81.6 | 130 | 170 | ug/Kg |
| 129-00-0 | Pyrene | 1500 | | 82.9 | 130 | 170 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 1600 | | 96.7 | 130 | 170 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 1000 | | 98.5 | 270 | 330 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 1600 | | 80.6 | 130 | 170 | ug/Kg |
| 218-01-9 | Chrysene | 1500 | | 79.4 | 130 | 170 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 1600 | | 90.9 | 130 | 170 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 1500 | | 110 | 270 | 330 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 1600 | | 81.0 | 130 | 170 | ug/Kg |

Raw Data: **BF141165.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB166035BS | SDG No.: | Q1069 |
| Lab Sample ID: | PB166035BS | 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 |
|---|---|---|---|---|
| BF141165.D | 1 | 01/13/25 08:54 | 01/15/25 10:26 | PB166035 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 1600 | | 82.5 | 130 | 170 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 1700 | | 92.9 | 130 | 170 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1500 | | 78.0 | 130 | 170 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 1500 | | 81.1 | 130 | 170 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 1400 | | 80.0 | 130 | 170 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 1500 | | 86.7 | 130 | 170 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 1300 | | 110 | 130 | 170 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 1600 | | 74.7 | 130 | 170 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 128 | | 35 - 115 | | 85% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 127 | | 34 - 127 | | 85% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 88.7 | | 37 - 122 | | 89% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 88.5 | | 44 - 115 | | 89% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 147 | | 39 - 132 | | 98% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 88.7 | | 54 - 127 | | 89% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 142000 | 6.822 | | | | |
| 1146-65-2 | Naphthalene-d8 | 559000 | 8.104 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 296000 | 9.863 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 516000 | 11.345 | | | | |
| 1719-03-5 | Chrysene-d12 | 346000 | 13.986 | | | | |
| 1520-96-3 | Perylene-d12 | 300000 | 15.445 | | | | |

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\BF011525\
Data File : BF141165.D
Acq On : 15 Jan 2025 10:26
Operator : RC/JU
Sample : PB166035BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Quant Time: Jan 15 15:25:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 141578 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 559409 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.863 | 164 | 296383 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 515619 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.986 | 240 | 346259 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.445 | 264 | 300143 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.440 | 112 | 1172779 | 127.966 | ng | | 0.01 |
| 7) Phenol-d6 | 6.451 | 99 | 1474065 | 126.975 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.387 | 82 | 936087 | 88.702 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.651 | 330 | 495813 | 146.817 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.181 | 172 | 1718604 | 88.547 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 2066373 | 88.698 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.640 | 88 | 160491 | 39.324 | ng | | 99 |
| 3) Pyridine | 3.381 | 79 | 403464 | 40.314 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.328 | 42 | 219085 | 44.770 | ng | | 99 |
| 6) Aniline | 6.481 | 93 | 412595 | 40.030 | ng | | 95 |
| 8) 2-Chlorophenol | 6.604 | 128 | 462455 | 47.032 | ng | | 97 |
| 9) Benzaldehyde | 6.369 | 77 | 57336 | 8.386 | ng | | 98 |
| 10) Phenol | 6.463 | 94 | 559240 | 45.001 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.557 | 93 | 420510 | 45.405 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.763 | 146 | 482405 | 43.989 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.840 | 146 | 488566 | 44.210 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.993 | 146 | 468309 | 45.430 | ng | | 98 |
| 15) Benzyl Alcohol | 6.963 | 79 | 398751 | 47.562 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.093 | 45 | 565830 | 43.782 | ng | | 96 |
| 17) 2-Methylphenol | 7.075 | 107 | 367457 | 46.289 | ng | | 99 |
| 18) Hexachloroethane | 7.334 | 117 | 181232 | 45.349 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.234 | 70 | 305153 | 44.623 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.222 | 107 | 453804 | 45.312 | ng | | 92 |
| 22) Acetophenone | 7.228 | 105 | 598908 | 45.036 | ng | # | 94 |
| 24) Nitrobenzene | 7.404 | 77 | 472430 | 42.953 | ng | | 99 |
| 25) Isophorone | 7.645 | 82 | 826977 | 45.854 | ng | | 98 |
| 26) 2-Nitrophenol | 7.716 | 139 | 240239 | 48.018 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.757 | 122 | 371757 | 55.087 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.851 | 93 | 500129 | 44.187 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.957 | 162 | 374851 | 46.769 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 394294 | 43.039 | ng | | 99 |
| 31) Naphthalene | 8.128 | 128 | 1315926 | 44.606 | ng | | 100 |
| 32) Benzoic acid | 7.869 | 122 | 284542 | 43.954 | ng | | 99 |
| 33) 4-Chloroaniline | 8.169 | 127 | 225845 | 22.136 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 241357 | 43.722 | ng | | 100 |
| 35) Caprolactam | 8.540 | 113 | 122001m | 46.493 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.651 | 107 | 410698 | 46.854 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 857406 | 45.609 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 789241 | 42.599 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.987 | 216 | 389876 | 45.831 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 496501 | 178.397 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 276357 | 48.169 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141165.D
Acq On : 15 Jan 2025 10:26
Operator : RC/JU
Sample : PB166035BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Quant Time: Jan 15 15:25:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

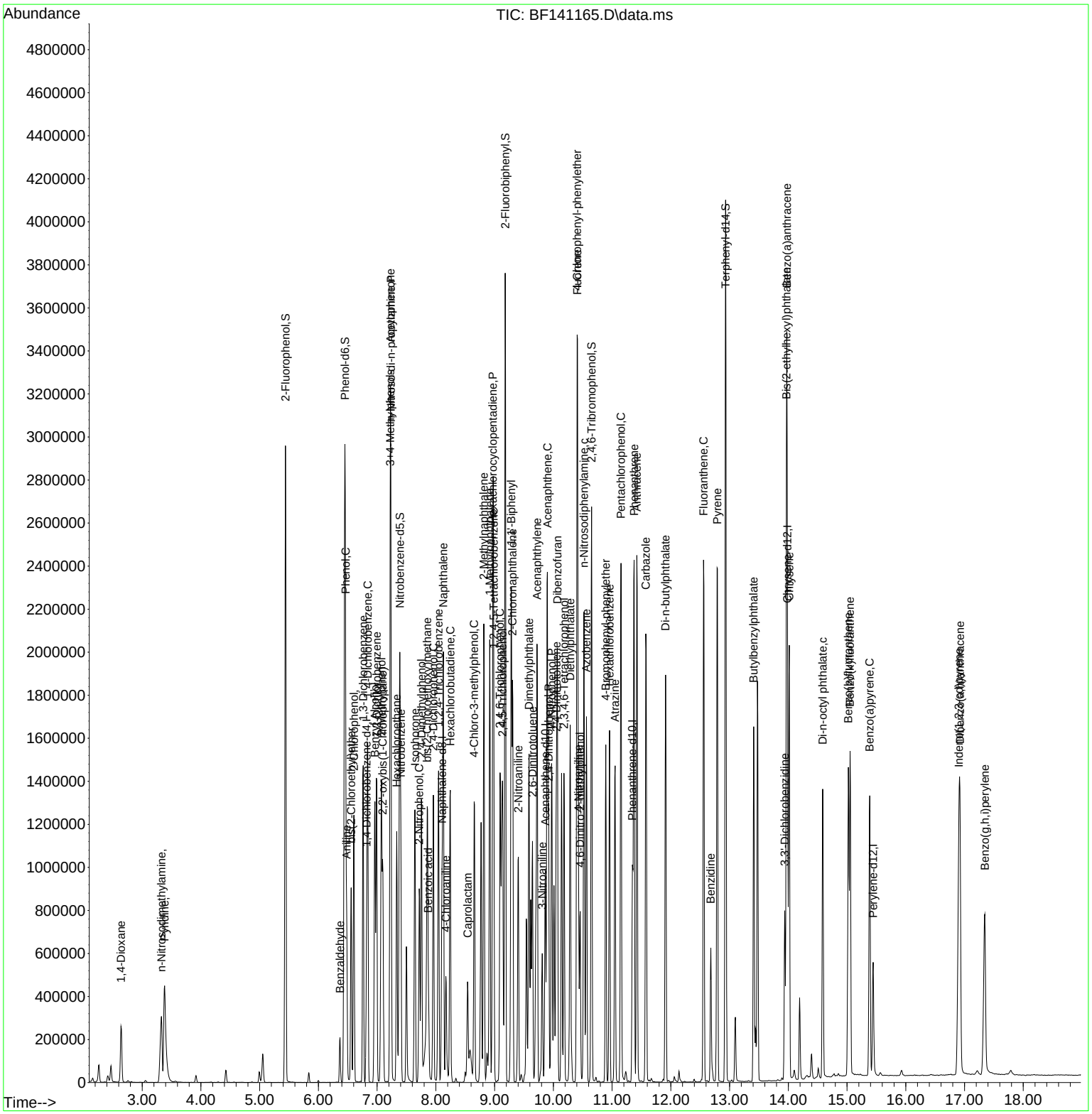
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.134 | 196 | 272593 | 44.988 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.281 | 154 | 1040938 | 45.225 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.304 | 162 | 794541 | 44.320 | ng | 100 |
| 48) 2-Nitroaniline | 9.404 | 65 | 254121 | 47.818 | ng | 98 |
| 49) Acenaphthylene | 9.722 | 152 | 1247717 | 48.714 | ng | 99 |
| 50) Dimethylphthalate | 9.586 | 163 | 919633 | 46.219 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.645 | 165 | 208657 | 45.095 | ng | 98 |
| 52) Acenaphthene | 9.898 | 154 | 923120 | 51.587 | ng | 100 |
| 53) 3-Nitroaniline | 9.810 | 138 | 132071 | 28.088 | ng | 99 |
| 54) 2,4-Dinitrophenol | 9.922 | 184 | 235763 | 107.198 | ng | 95 |
| 55) Dibenzofuran | 10.069 | 168 | 1124811 | 46.212 | ng | 99 |
| 56) 4-Nitrophenol | 9.975 | 139 | 371142 | 100.786 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 10.051 | 165 | 294883 | 49.452 | ng | 98 |
| 58) Fluorene | 10.410 | 166 | 875091 | 46.277 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.181 | 232 | 247930 | 49.226 | ng | 99 |
| 60) Diethylphthalate | 10.286 | 149 | 881421 | 45.376 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204 | 416366 | 45.177 | ng | 99 |
| 62) 4-Nitroaniline | 10.428 | 138 | 223312 | 48.524 | ng | 99 |
| 63) Azobenzene | 10.563 | 77 | 869933 | 45.387 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198 | 158478 | 53.041 | ng | 96 |
| 66) n-Nitrosodiphenylamine | 10.522 | 169 | 771997 | 46.419 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 269230 | 45.353 | ng | 98 |
| 68) Hexachlorobenzene | 10.957 | 284 | 309514 | 46.838 | ng | 99 |
| 69) Atrazine | 11.051 | 200 | 265941 | 59.388 | ng | 99 |
| 70) Pentachlorophenol | 11.151 | 266 | 404666 | 95.622 | ng | 100 |
| 71) Phenanthrene | 11.375 | 178 | 1332947 | 48.152 | ng | 99 |
| 72) Anthracene | 11.422 | 178 | 1367788 | 50.816 | ng | 100 |
| 73) Carbazole | 11.575 | 167 | 1223450 | 49.571 | ng | 100 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 1338545 | 47.390 | ng | 100 |
| 75) Fluoranthene | 12.557 | 202 | 1419075 | 51.371 | ng | 99 |
| 77) Benzidine | 12.680 | 184 | 337816 | 52.610 | ng | 99 |
| 78) Pyrene | 12.792 | 202 | 1442231 | 43.609 | ng | 99 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 523212 | 47.451 | ng | 99 |
| 81) Benzo(a)anthracene | 13.974 | 228 | 1103435 | 46.825 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.939 | 252 | 232976 | 31.049 | ng | 100 |
| 83) Chrysene | 14.016 | 228 | 960710 | 43.571 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.969 | 149 | 618547 | 46.753 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.586 | 149 | 881680 | 44.131 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.904 | 276 | 1004718 | 45.691 | ng | 98 |
| 88) Benzo(b)fluoranthene | 15.021 | 252 | 949809 | 49.075 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.051 | 252 | 768181 | 46.966 | ng | 100 |
| 90) Benzo(a)pyrene | 15.386 | 252 | 807216 | 50.551 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.921 | 278 | 806473 | 45.345 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.345 | 276 | 761728 | 41.176 | ng | 99 |

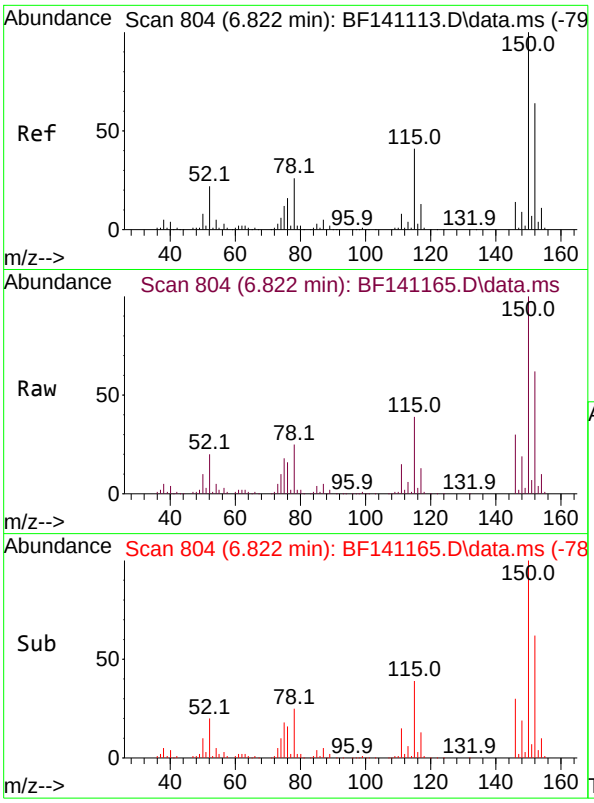
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141165.D
Acq On : 15 Jan 2025 10:26
Operator : RC/JU
Sample : PB166035BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Quant Time: Jan 15 15:25:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



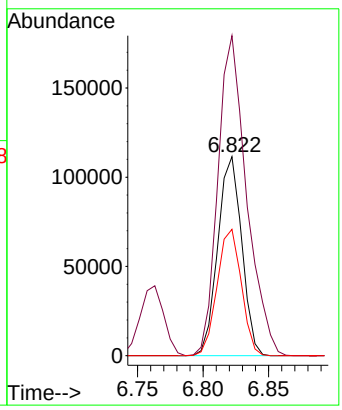


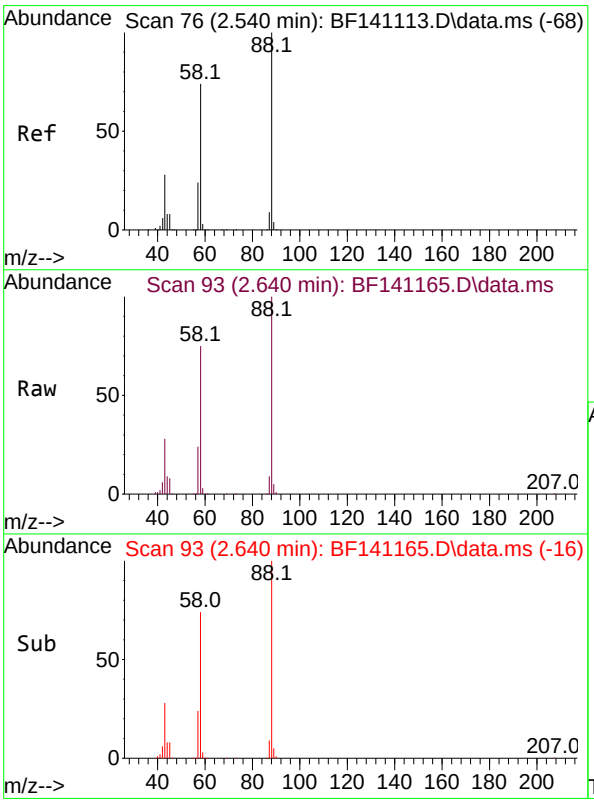

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:152 Resp: 141578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.7 | 125.8 | 188.8 |
| 115 | 63.5 | 51.4 | 77.2 |

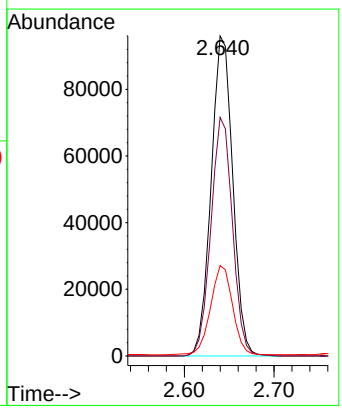


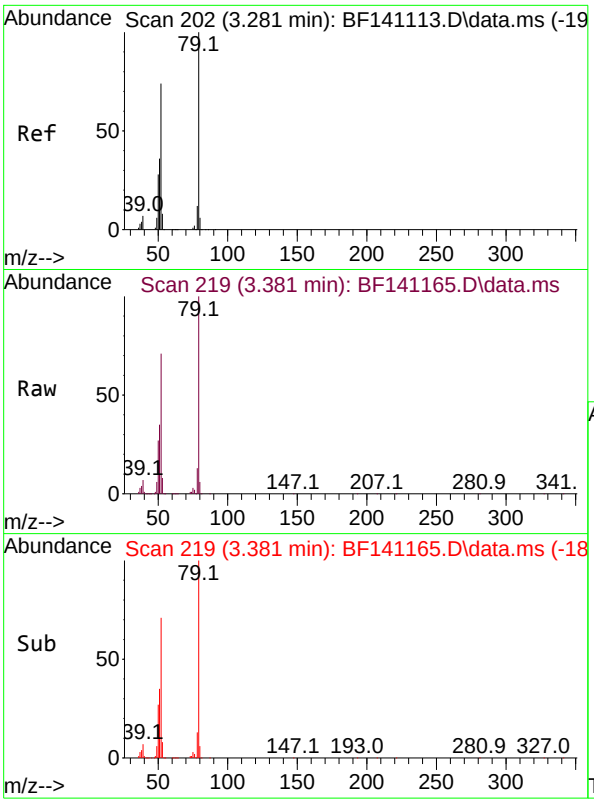




#2
1,4-Dioxane
Concen: 39.324 ng
RT: 2.640 min Scan# 93
Delta R.T. 0.100 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion: 88 Resp: 160491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.3 | 60.1 | 90.1 |
| 43 | 28.5 | 23.1 | 34.7 |



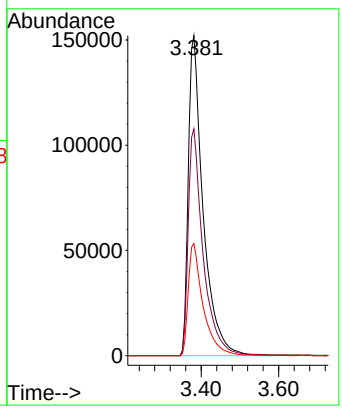


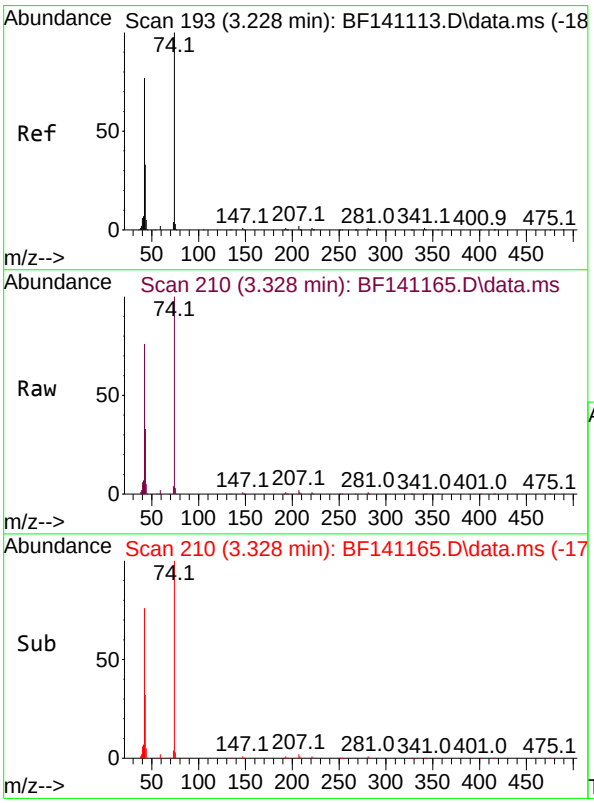

#3
Pyridine
Concen: 40.314 ng
RT: 3.381 min Scan# 21
Delta R.T. 0.100 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion: 79 Resp: 403464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 70.9 | 58.9 | 88.3 |
| 51 | 35.0 | 29.1 | 43.7 |

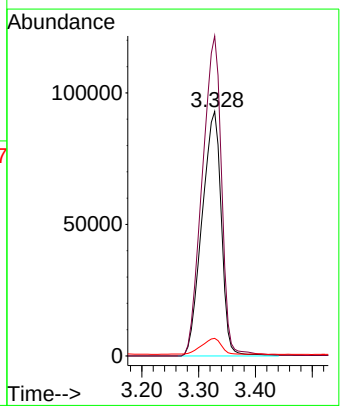


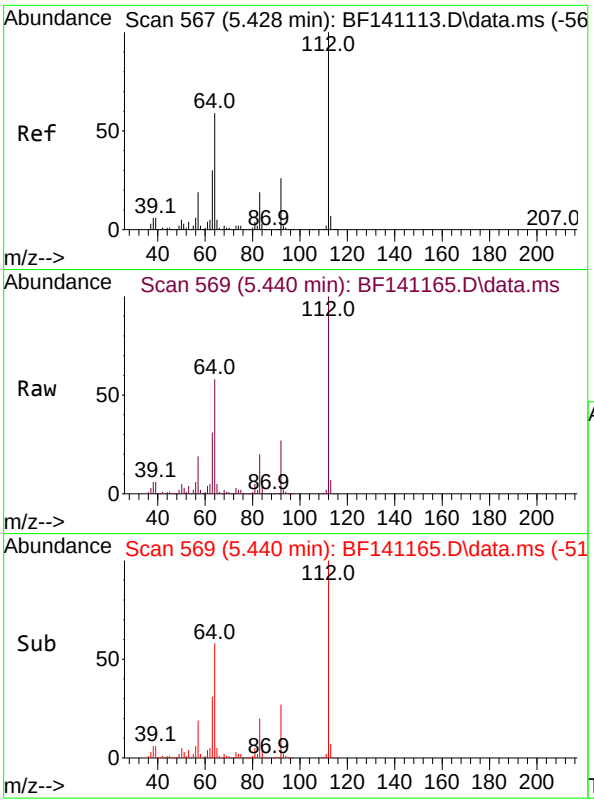




#4
n-Nitrosodimethylamine
Concen: 44.770 ng
RT: 3.328 min Scan# 210
Delta R.T. 0.100 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion: 42 Resp: 219085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 130.9 | 103.8 | 155.6 |
| 44 | 7.2 | 5.3 | 7.9 |



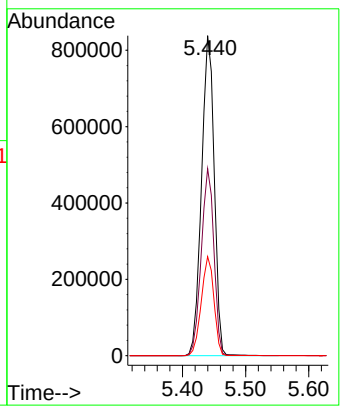


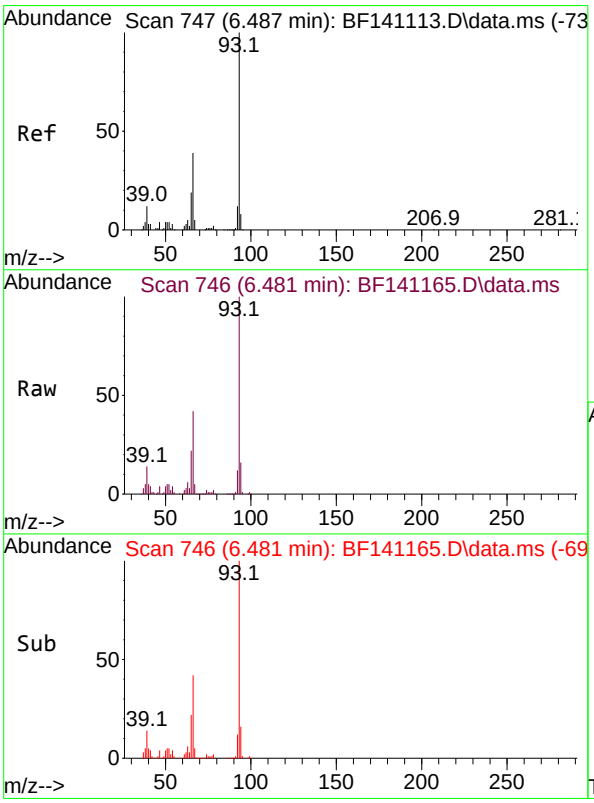

#5
2-Fluorophenol
Concen: 127.966 ng
RT: 5.440 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:112 Resp: 1172779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.5 | 47.3 | 70.9 |
| 63 | 31.0 | 24.2 | 36.2 |

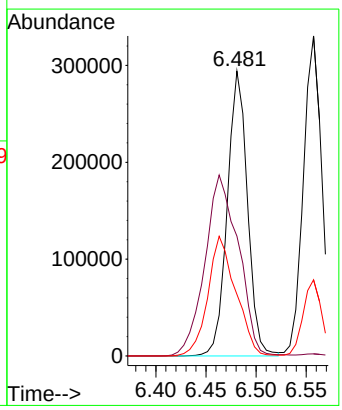


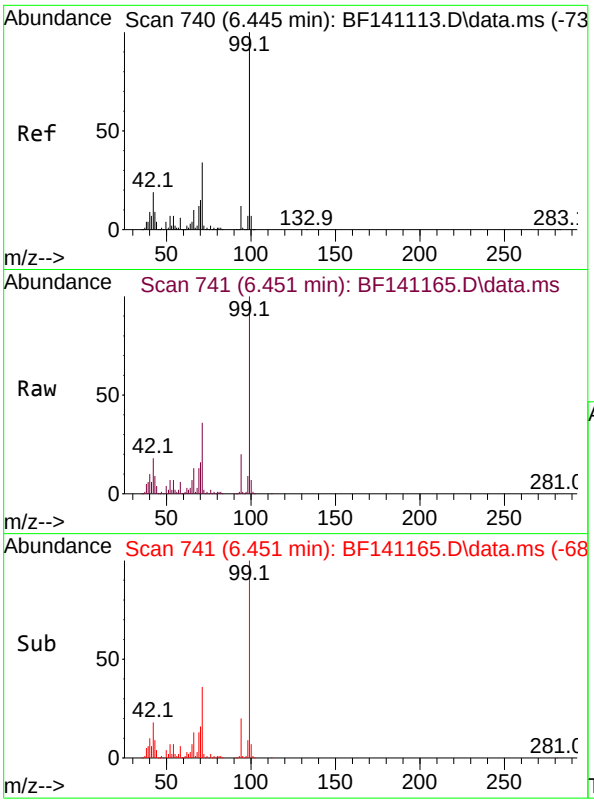




#6
Aniline
Concen: 40.030 ng
RT: 6.481 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion: 93 Resp: 412595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 42.1 | 31.5 | 47.3 |
| 65 | 21.6 | 15.3 | 22.9 |



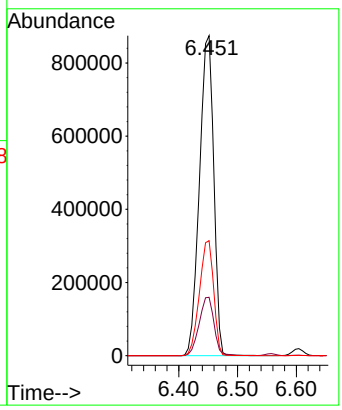


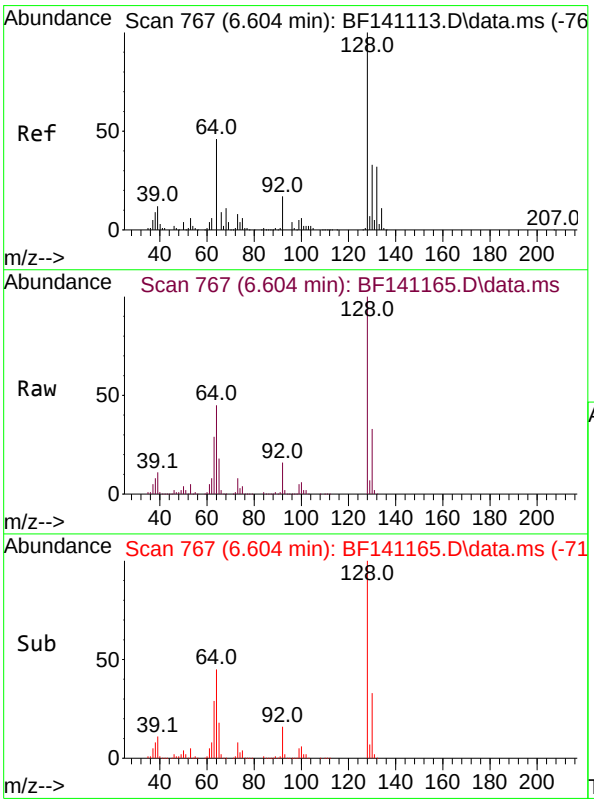

#7
Phenol-d6
Concen: 126.975 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion: 99 Resp: 1474065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.3 | 15.0 | 22.4 |
| 71 | 36.0 | 27.6 | 41.4 |

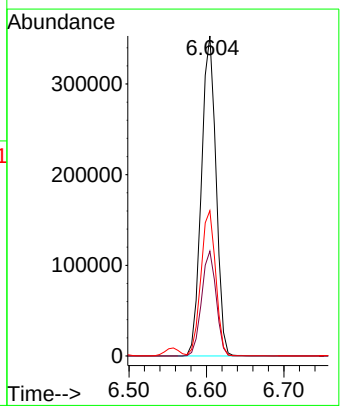


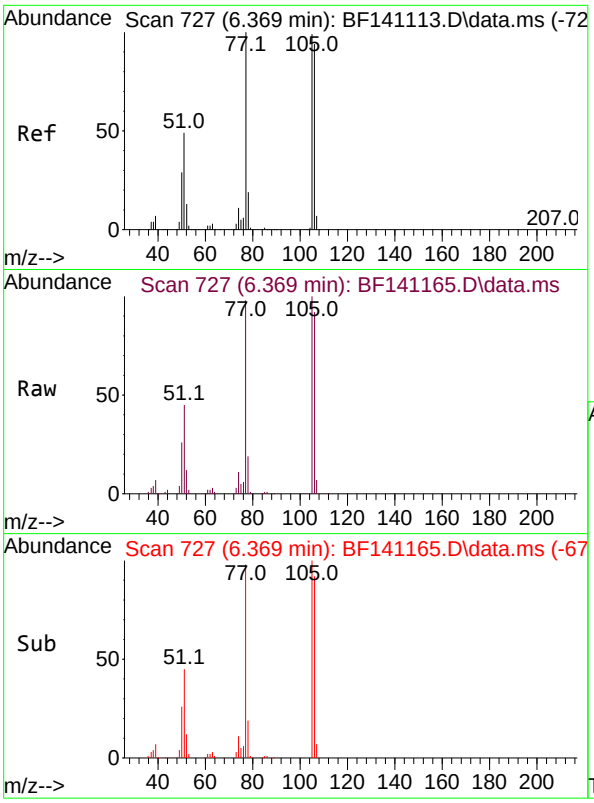




#8
2-Chlorophenol
Concen: 47.032 ng
RT: 6.604 min Scan# 767
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:128 Resp: 462455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.8 | 12.5 | 52.5 |
| 64 | 45.4 | 28.3 | 68.3 |



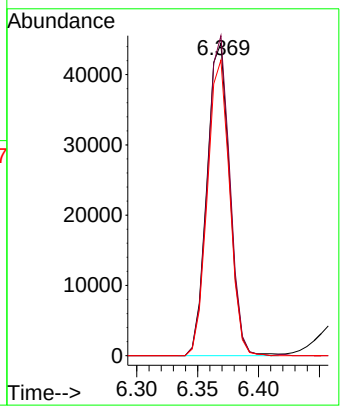


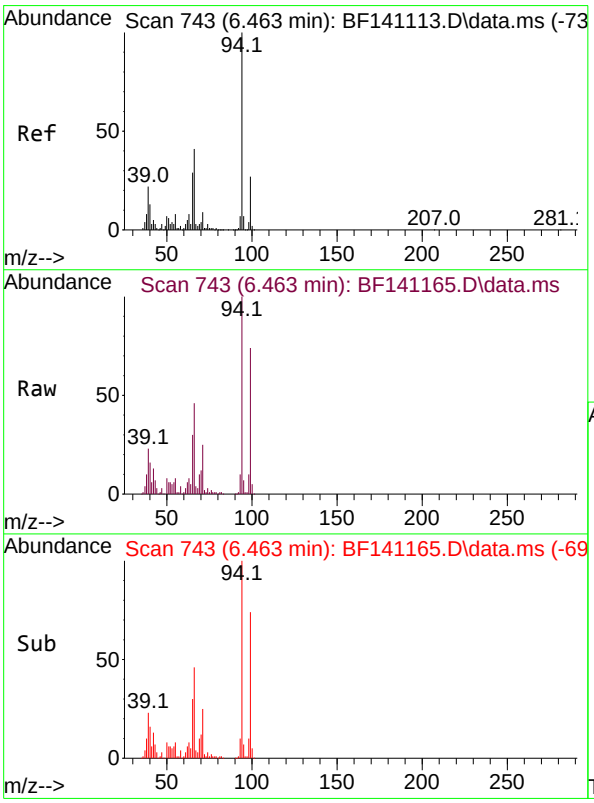

#9
Benzaldehyde
Concen: 8.386 ng
RT: 6.369 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion: 77 Resp: 57336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 102.4 | 78.9 | 118.9 |
| 106 | 94.6 | 73.6 | 113.6 |

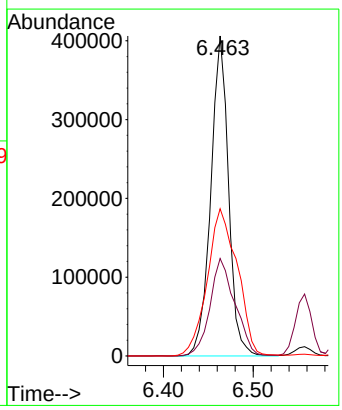


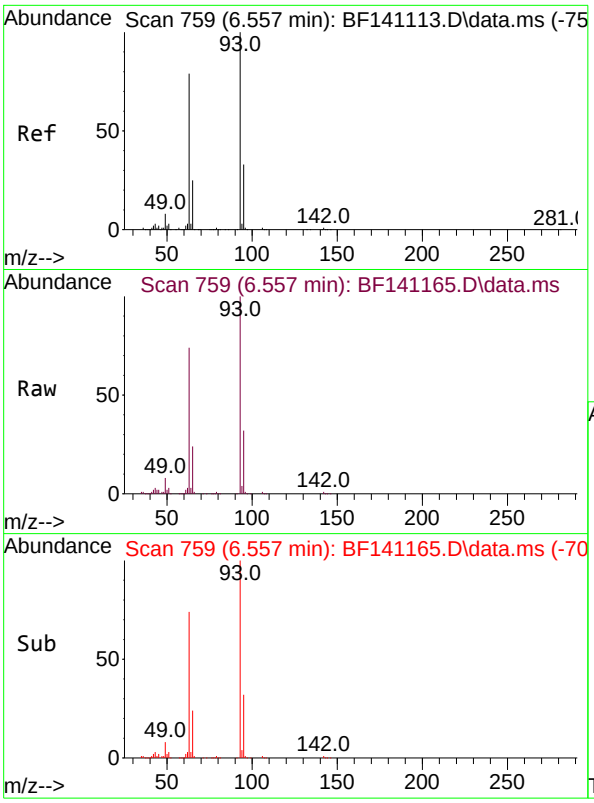




#10
Phenol
Concen: 45.001 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion: 94 Resp: 559240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 30.4 | 8.9 | 48.9 |
| 66 | 46.0 | 21.2 | 61.2 |



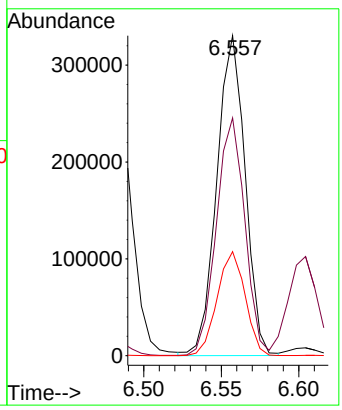


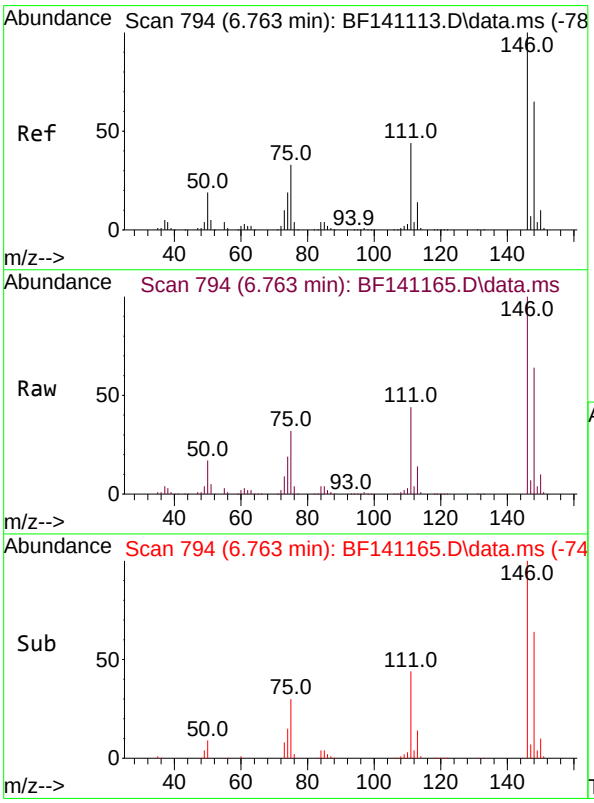

#11
bis(2-Chloroethyl)ether
Concen: 45.405 ng
RT: 6.557 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion: 93 Resp: 420510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 74.3 | 58.0 | 98.0 |
| 95 | 32.5 | 12.5 | 52.5 |

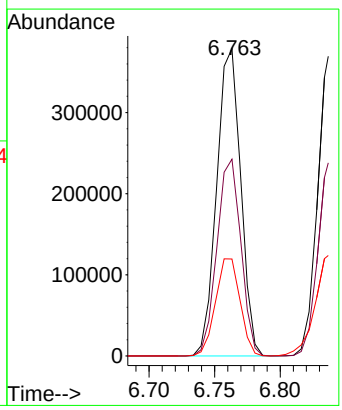


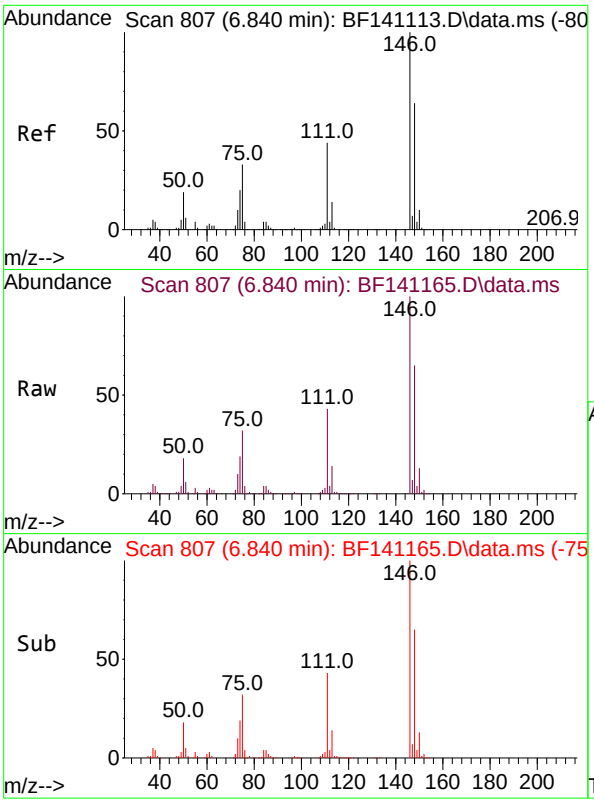




#12
1,3-Dichlorobenzene
Concen: 43.989 ng
RT: 6.763 min Scan# 794
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:146 Resp: 482405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.6 | 77.4 |
| 75 | 31.6 | 26.2 | 39.2 |



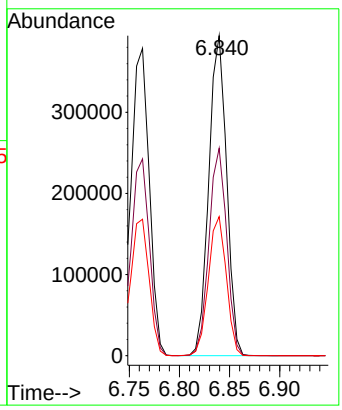


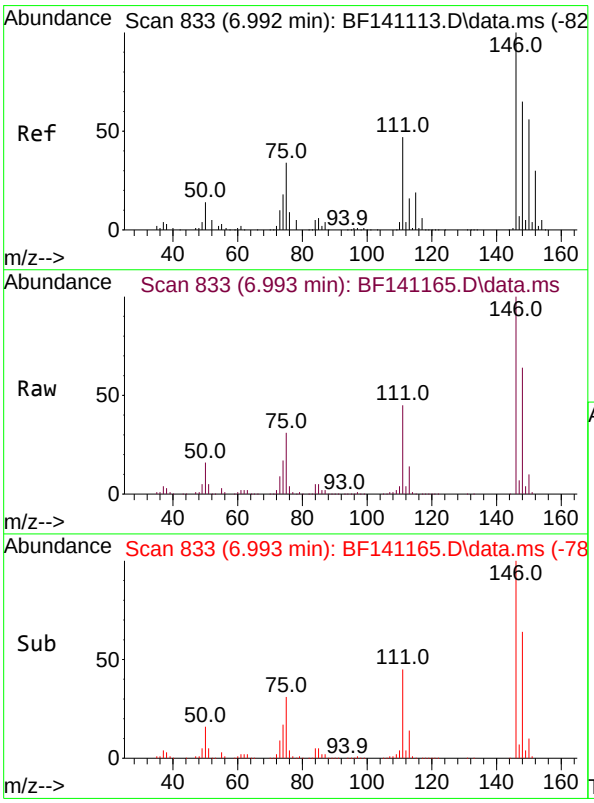

#13
1,4-Dichlorobenzene
Concen: 44.210 ng
RT: 6.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:146 Resp: 488566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.0 | 76.6 |
| 111 | 43.5 | 34.9 | 52.3 |

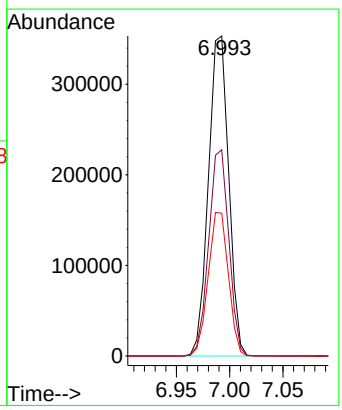


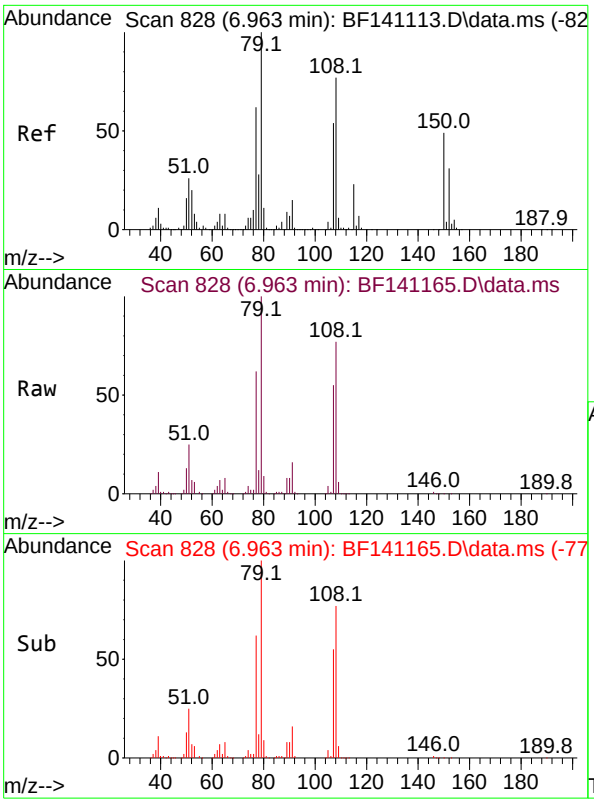




#14
1,2-Dichlorobenzene
Concen: 45.430 ng
RT: 6.993 min Scan# 833
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:146 Resp: 468309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.5 | 52.2 | 78.4 |
| 111 | 44.6 | 37.5 | 56.3 |



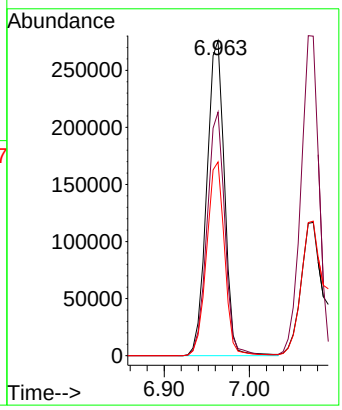


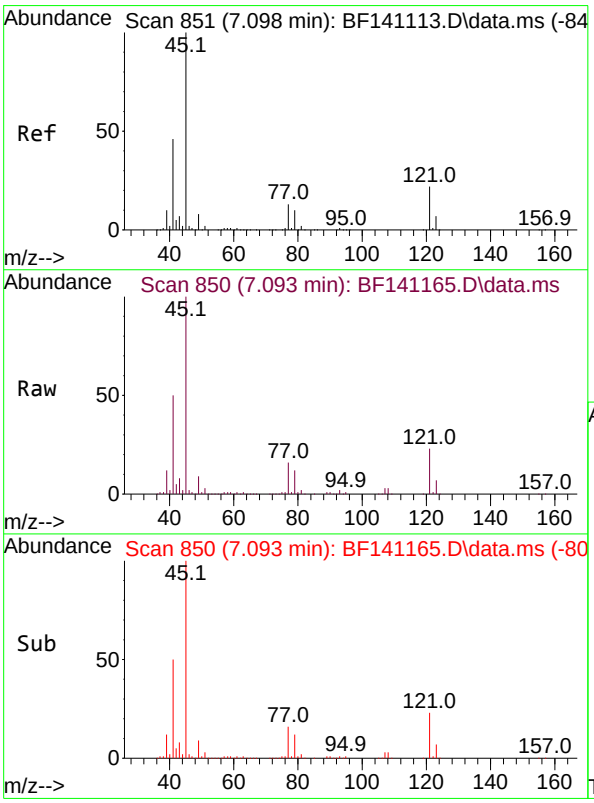

#15
Benzyl Alcohol
Concen: 47.562 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion: 79 Resp: 398751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 77.4 | 61.4 | 92.0 |
| 77 | 61.6 | 49.8 | 74.6 |

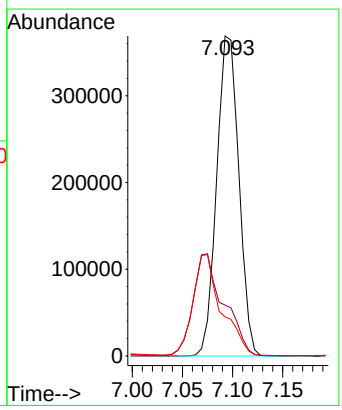


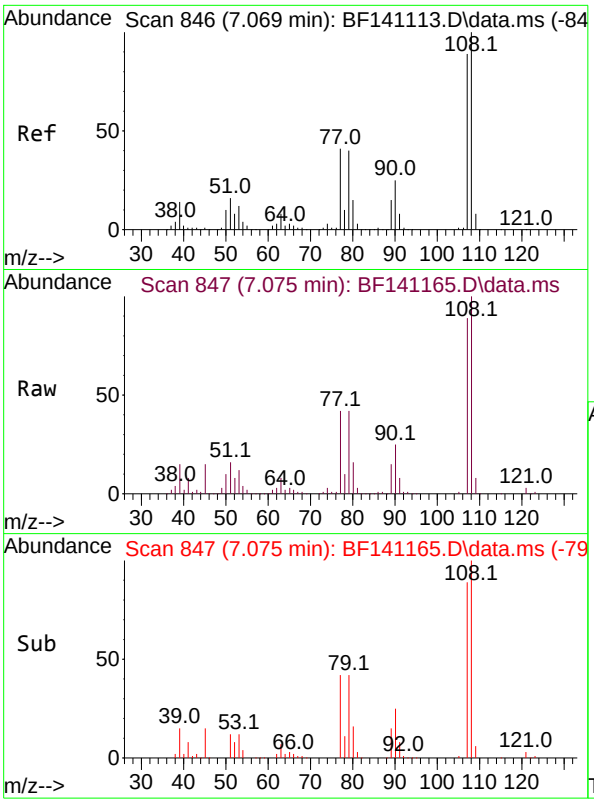




#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.782 ng
RT: 7.093 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion: 45 Resp: 565830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 15.9 | 0.0 | 34.1 |
| 79 | 12.2 | 0.0 | 31.0 |



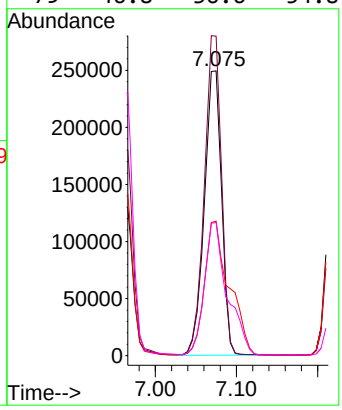


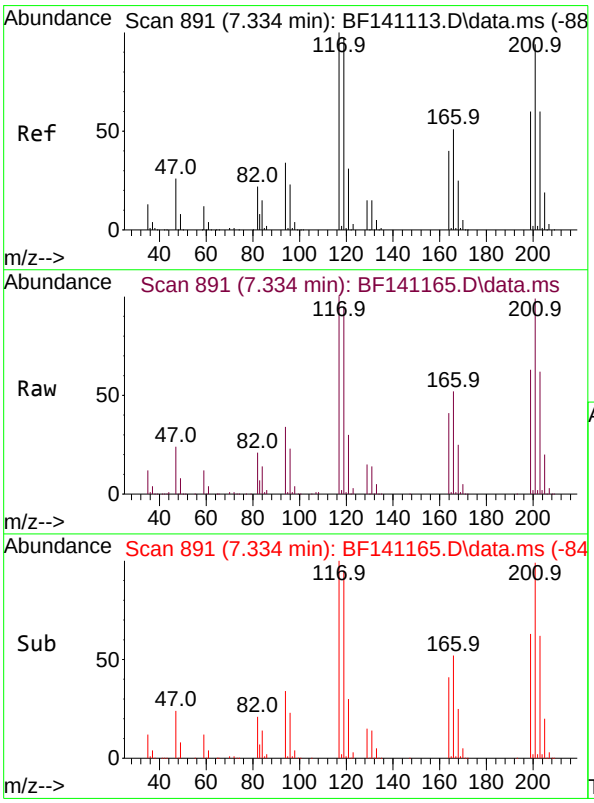

#17
2-Methylphenol
Concen: 46.289 ng
RT: 7.075 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:107 Resp: 367457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.2 | 90.1 | 135.1 |
| 77 | 47.2 | 36.6 | 55.0 |
| 79 | 46.8 | 36.6 | 54.8 |

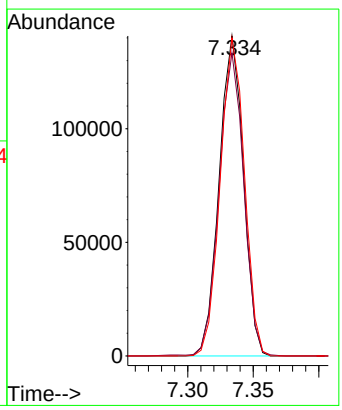


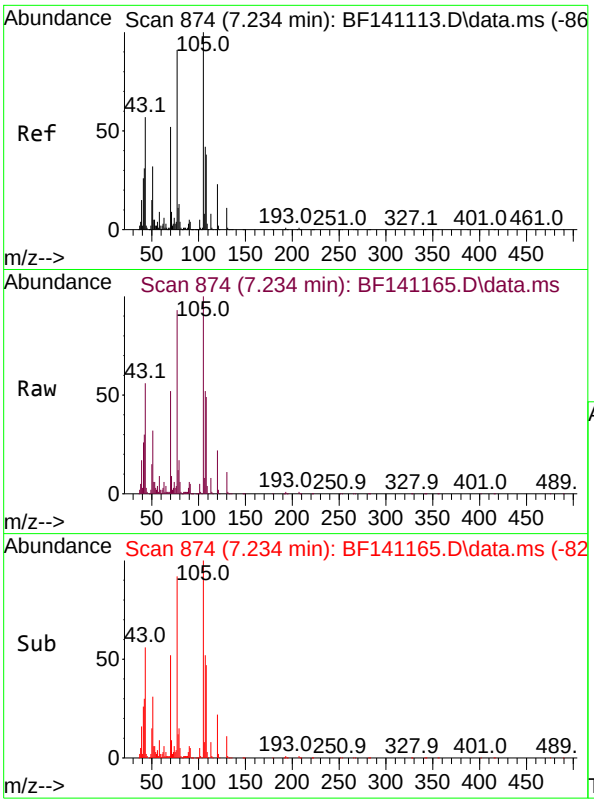




#18
Hexachloroethane
Concen: 45.349 ng
RT: 7.334 min Scan# 891
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:117 Resp: 181232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.8 | 77.6 | 116.4 |
| 201 | 99.4 | 75.1 | 112.7 |



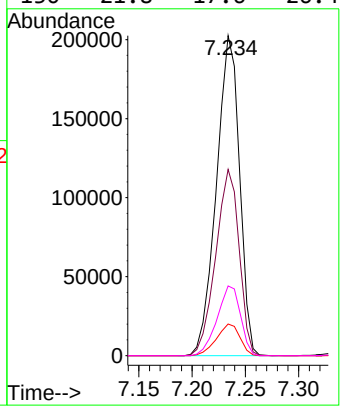


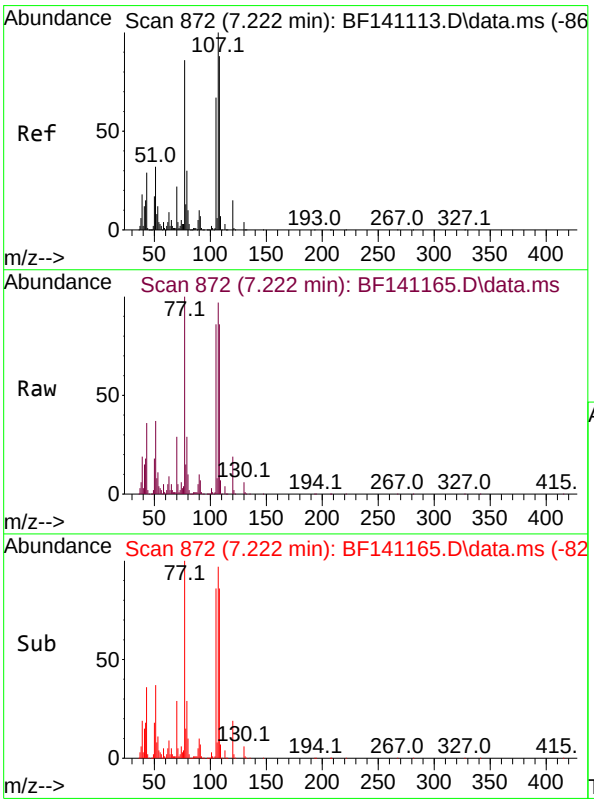

#19
n-Nitroso-di-n-propylamine
Concen: 44.623 ng
RT: 7.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion: 70 Resp: 305153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 58.2 | 47.8 | 71.6 |
| 101 | 9.9 | 7.9 | 11.9 |
| 130 | 21.8 | 17.6 | 26.4 |

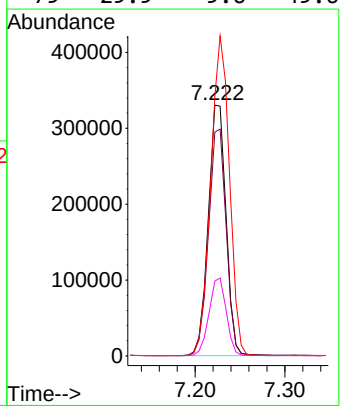


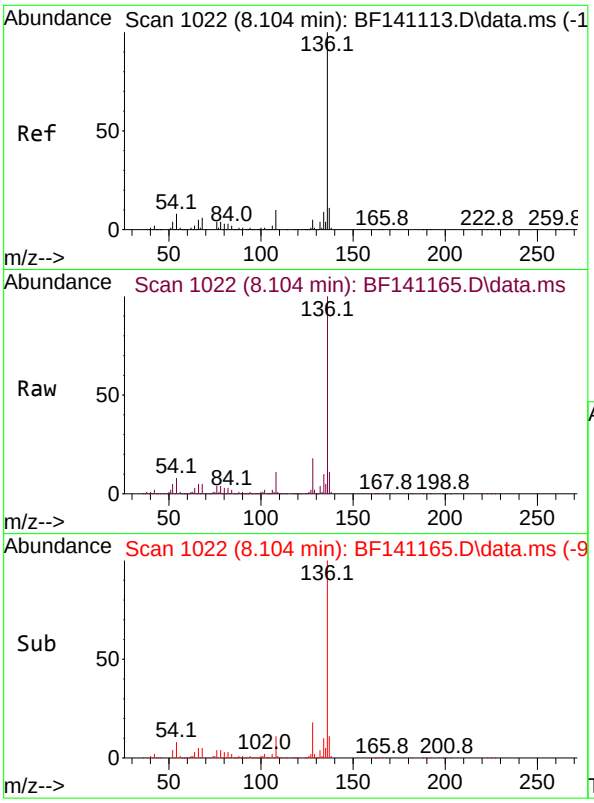




#20
3+4-Methylphenols
Concen: 45.312 ng
RT: 7.222 min Scan# 872
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:107 Resp: 453804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.2 | 68.3 | 108.3 |
| 77 | 103.3 | 66.4 | 106.4 |
| 79 | 29.9 | 9.6 | 49.6 |



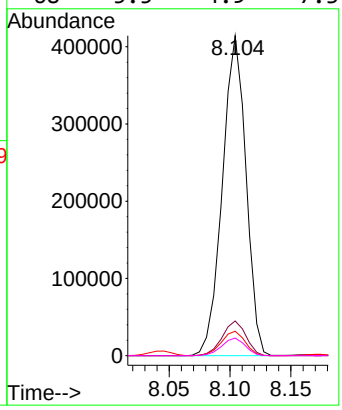


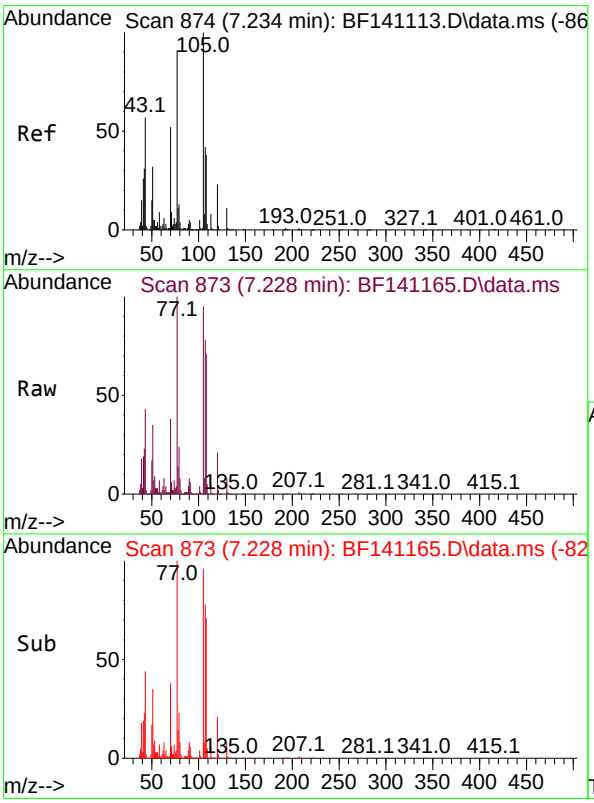

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:136 Resp: 559409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.8 | 13.2 |
| 54 | 7.7 | 6.3 | 9.5 |
| 68 | 5.5 | 4.9 | 7.3 |

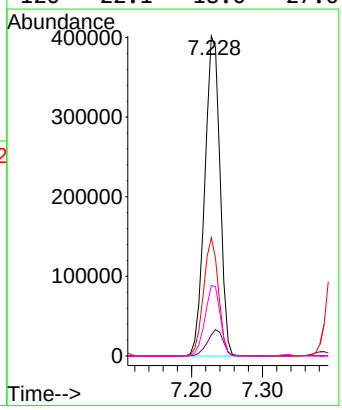


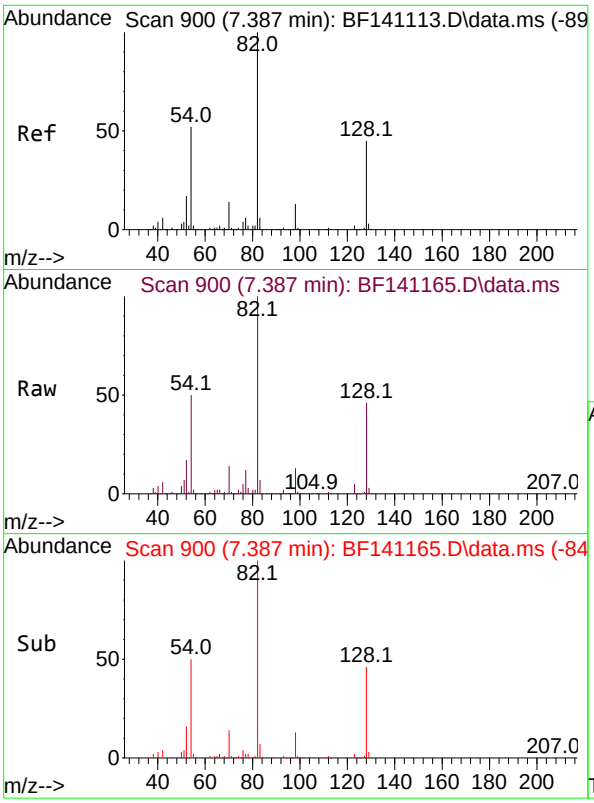




#22
Acetophenone
Concen: 45.036 ng
RT: 7.228 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:105 Resp: 598908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.6 | 7.1 | 10.7# |
| 51 | 37.0 | 25.4 | 38.2 |
| 120 | 22.1 | 18.0 | 27.0 |



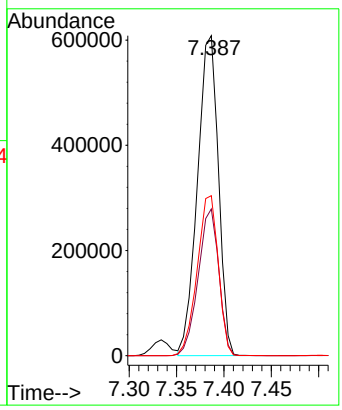


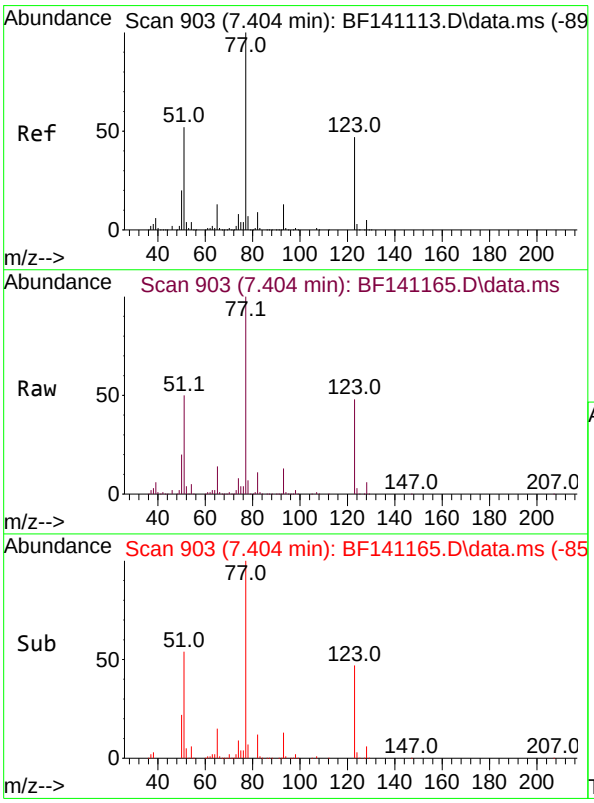

#23
Nitrobenzene-d5
Concen: 88.702 ng
RT: 7.387 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion: 82 Resp: 936087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.9 | 36.1 | 54.1 |
| 54 | 50.0 | 41.0 | 61.4 |

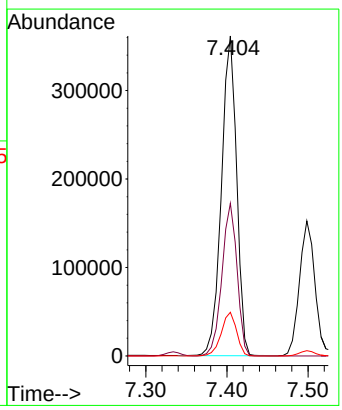


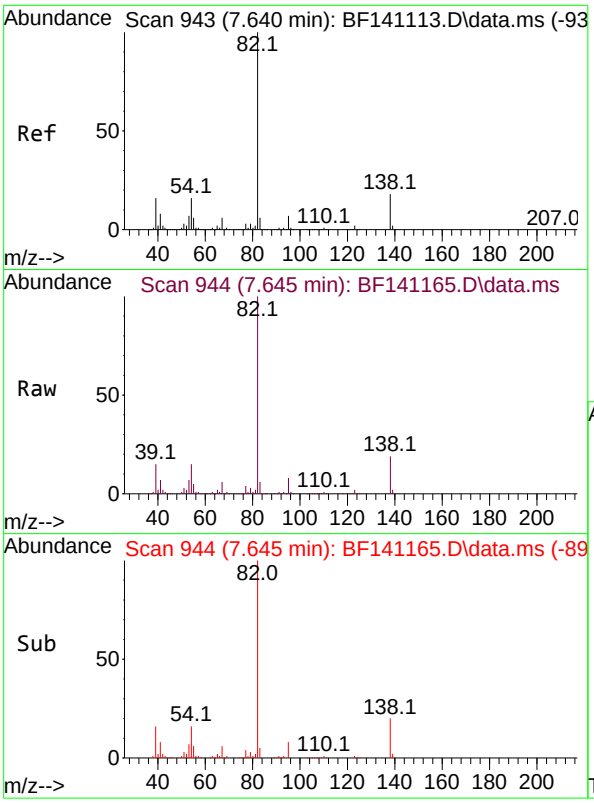




#24
Nitrobenzene
Concen: 42.953 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion: 77 Resp: 472430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.7 | 37.7 | 56.5 |
| 65 | 13.7 | 10.6 | 16.0 |



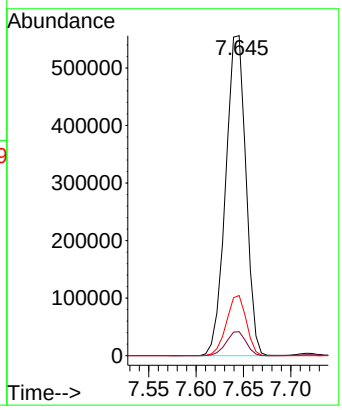


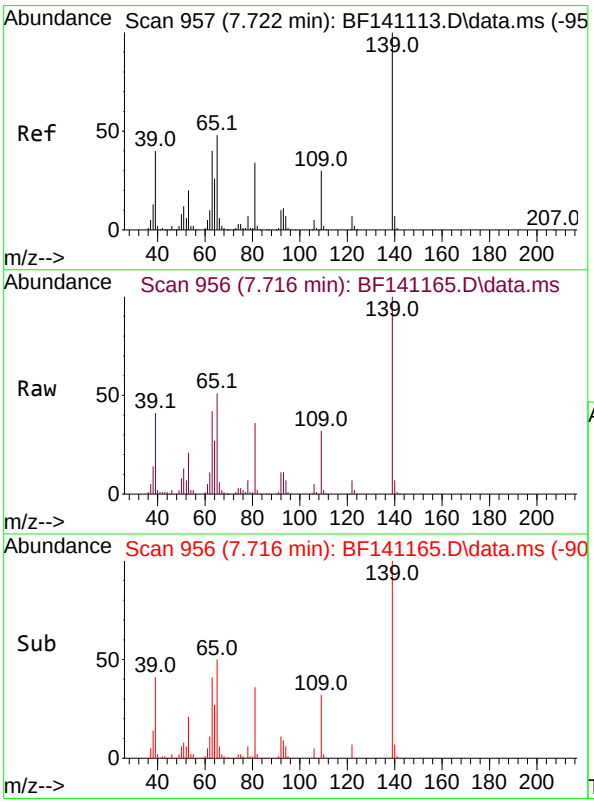

#25
Isophorone
Concen: 45.854 ng
RT: 7.645 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion: 82 Resp: 826977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.5 | 5.9 | 8.9 |
| 138 | 18.8 | 14.2 | 21.2 |

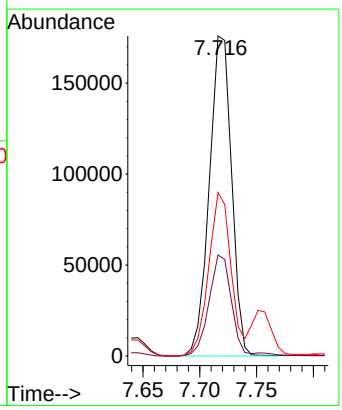


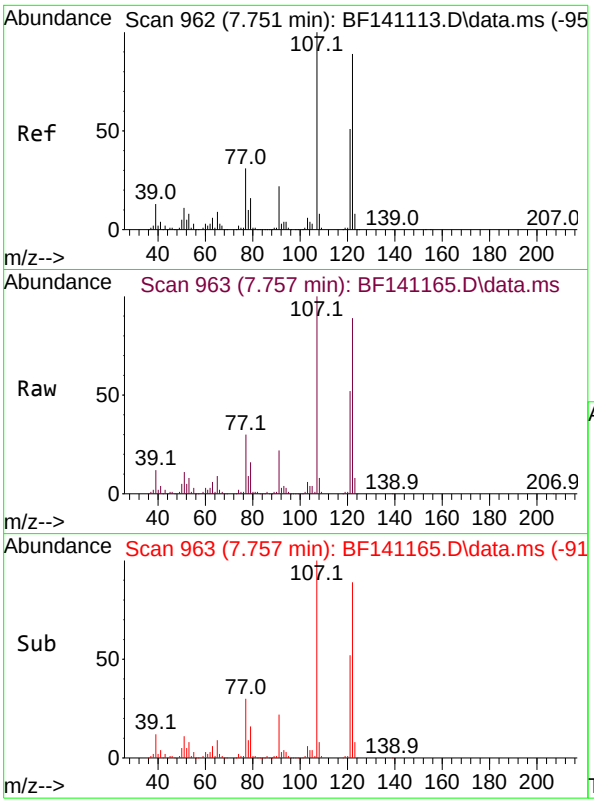




#26
2-Nitrophenol
Concen: 48.018 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:139 Resp: 240239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.6 | 23.8 | 35.6 |
| 65 | 51.1 | 38.5 | 57.7 |



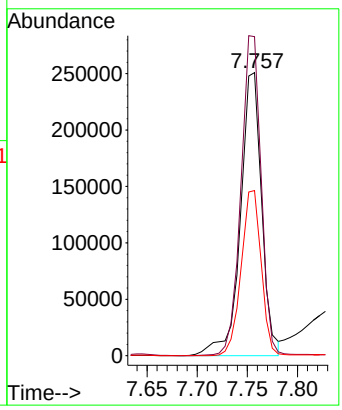


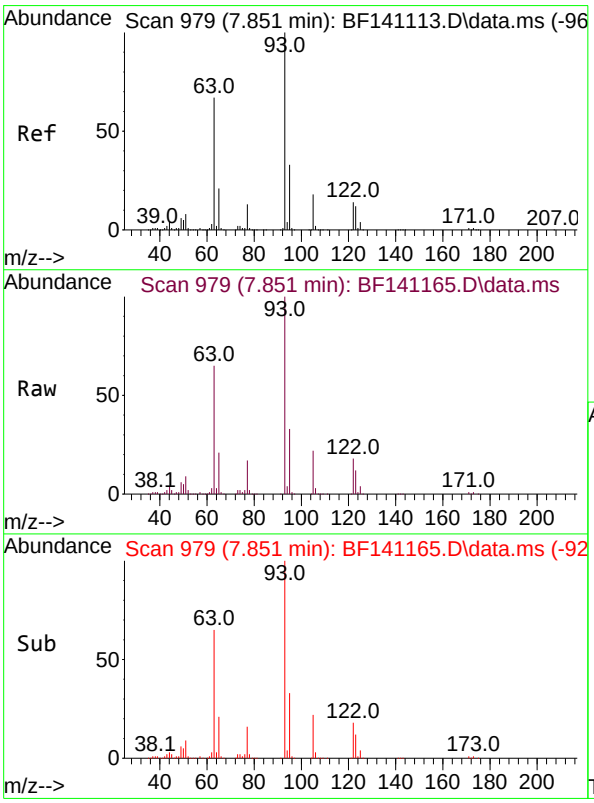

#27
2,4-Dimethylphenol
Concen: 55.087 ng
RT: 7.757 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:122 Resp: 371757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.7 | 90.3 | 135.5 |
| 121 | 58.3 | 46.5 | 69.7 |

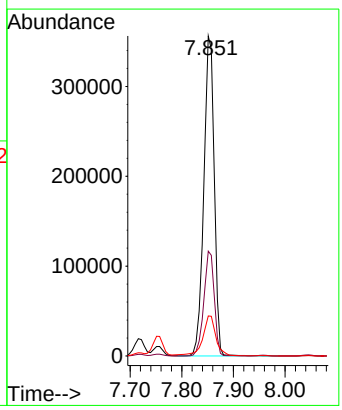


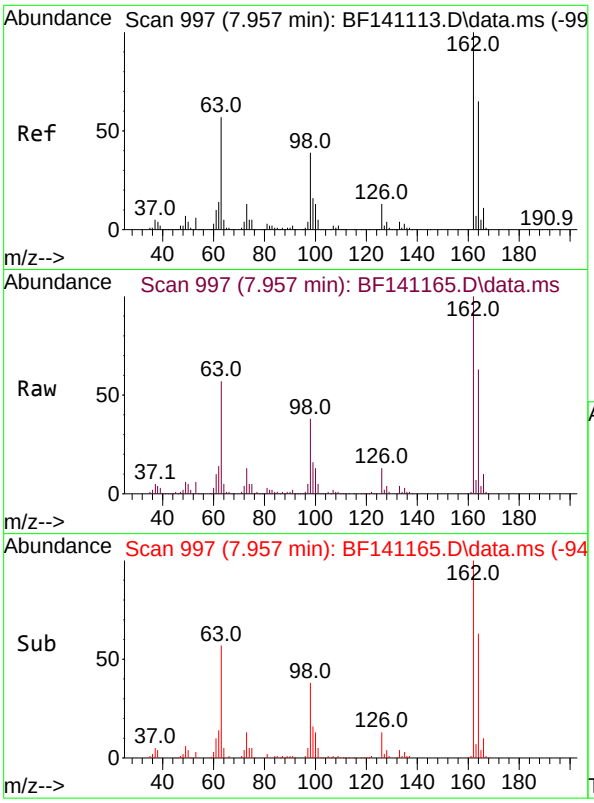




#28
bis(2-Chloroethoxy)methane
Concen: 44.187 ng
RT: 7.851 min Scan# 979
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion: 93 Resp: 500129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.7 | 26.2 | 39.4 |
| 123 | 12.5 | 10.1 | 15.1 |



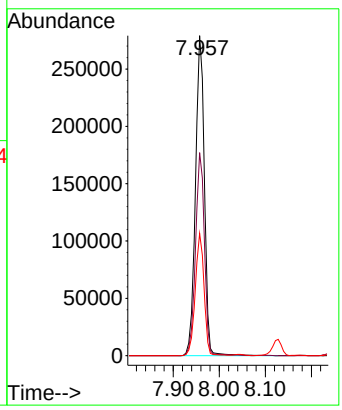


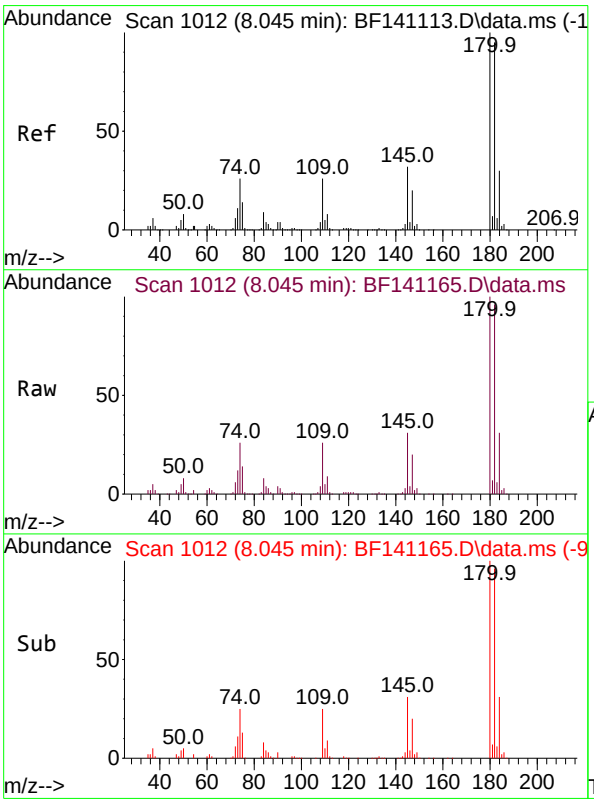

#29
2,4-Dichlorophenol
Concen: 46.769 ng
RT: 7.957 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:162 Resp: 374851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.5 | 44.5 | 84.5 |
| 98 | 38.2 | 18.5 | 58.5 |

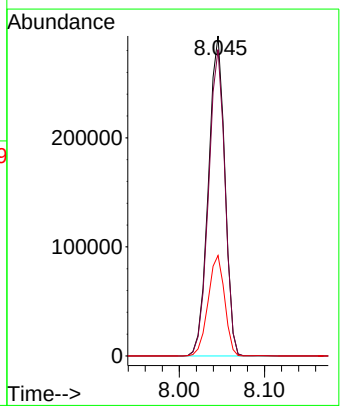


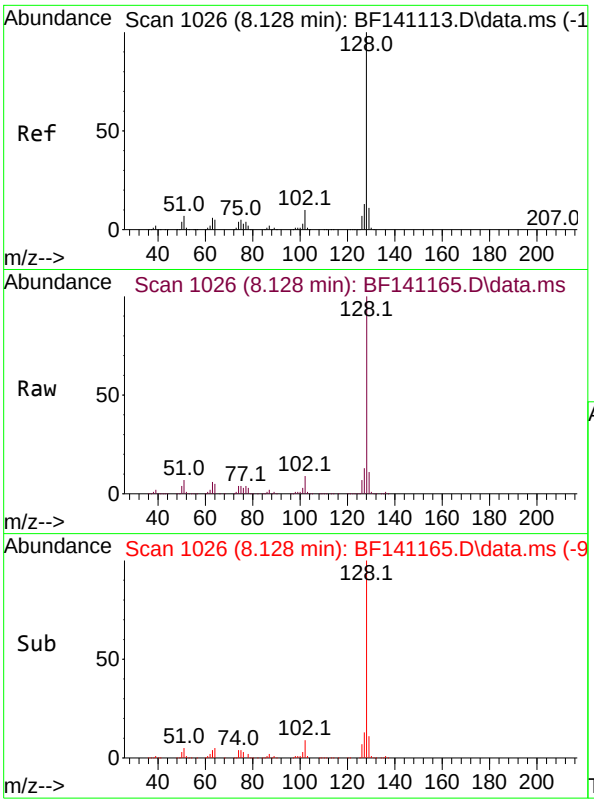




#30
1,2,4-Trichlorobenzene
Concen: 43.039 ng
RT: 8.045 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:180 Resp: 394294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 76.2 | 114.2 |
| 145 | 31.4 | 25.3 | 37.9 |



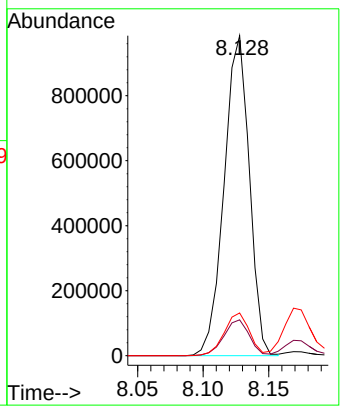


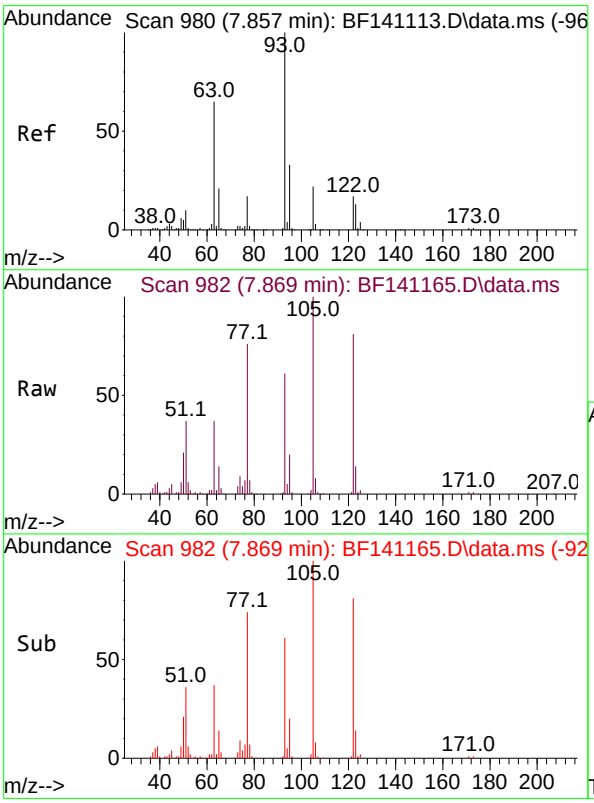

#31
Naphthalene
Concen: 44.606 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:128 Resp: 1315926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 9.0 | 13.6 |
| 127 | 13.4 | 10.8 | 16.2 |

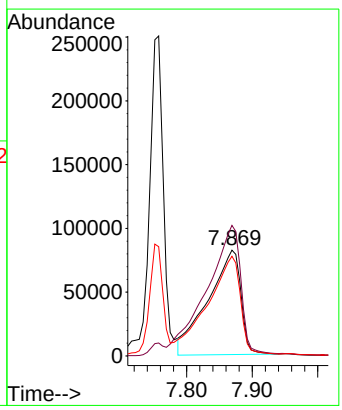


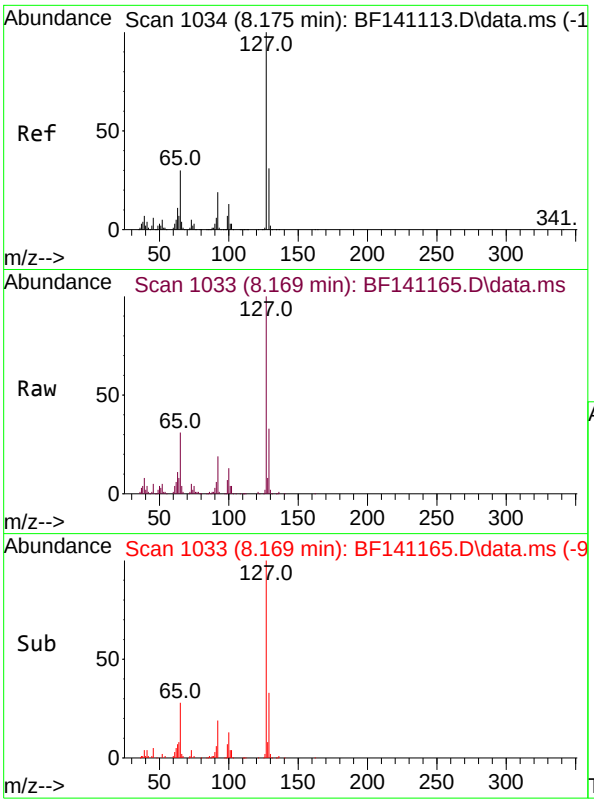




#32
Benzoic acid
Concen: 43.954 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.012 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:122 Resp: 284542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.5 | 105.5 | 145.5 |
| 77 | 94.3 | 75.1 | 115.1 |



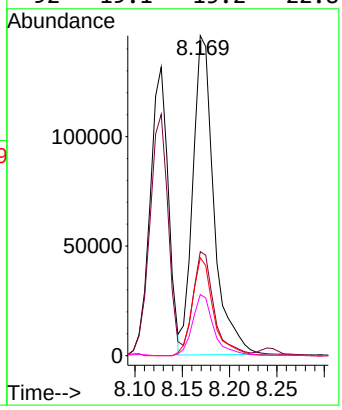


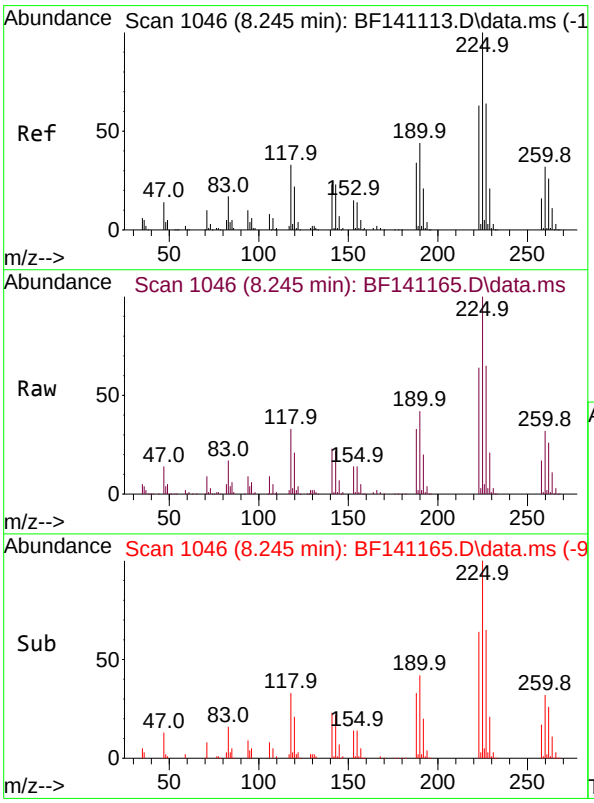

#33
4-Chloroaniline
Concen: 22.136 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:127 Resp: 225845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.5 | 25.9 | 38.9 |
| 65 | 30.6 | 23.8 | 35.8 |
| 92 | 19.1 | 15.2 | 22.8 |

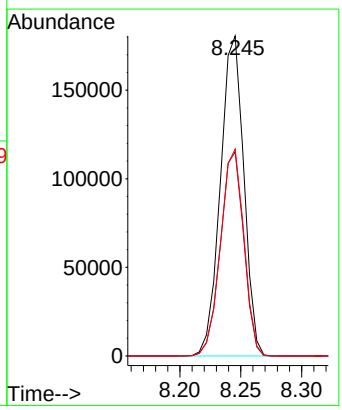


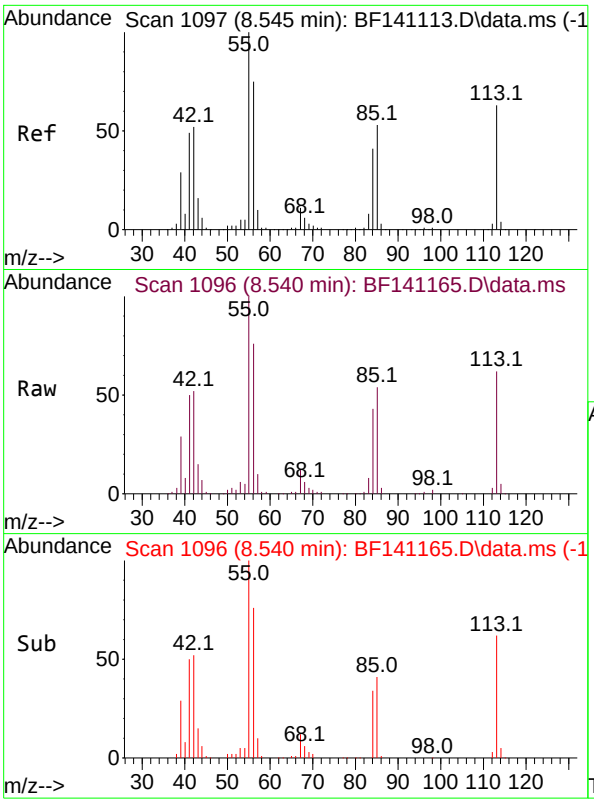




#34
Hexachlorobutadiene
Concen: 43.722 ng
RT: 8.245 min Scan# 1046
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:225 Resp: 241357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.8 | 50.6 | 76.0 |
| 227 | 64.6 | 51.6 | 77.4 |



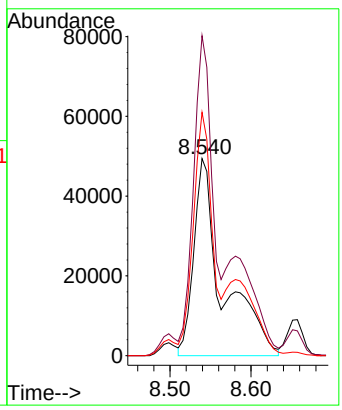


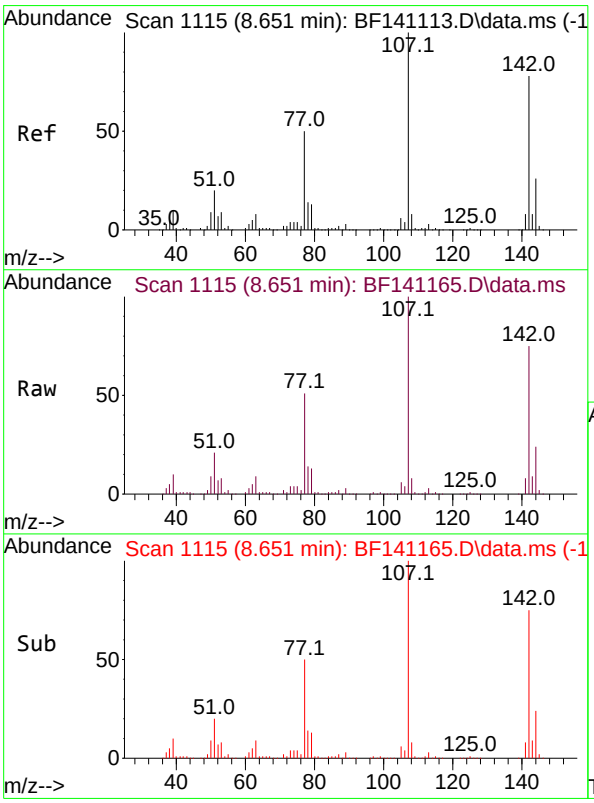

#35
Caprolactam
Concen: 46.493 ng m
RT: 8.540 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:113 Resp: 122001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 162.4 | 139.7 | 179.7 |
| 56 | 123.5 | 99.4 | 139.4 |

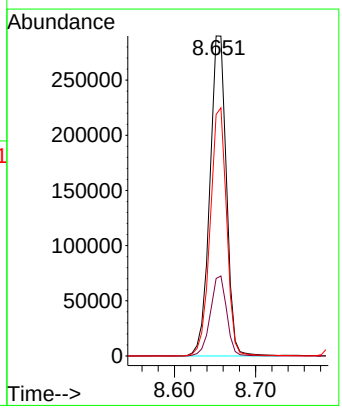


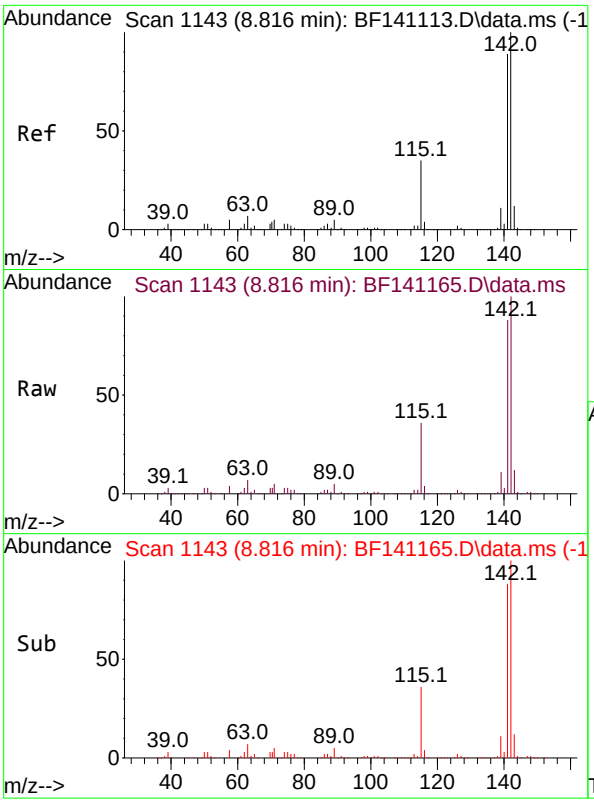




#36
4-Chloro-3-methylphenol
Concen: 46.854 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:107 Resp: 410698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.2 | 20.4 | 30.6 |
| 142 | 75.5 | 62.2 | 93.2 |



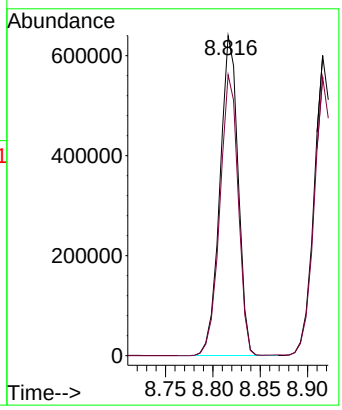


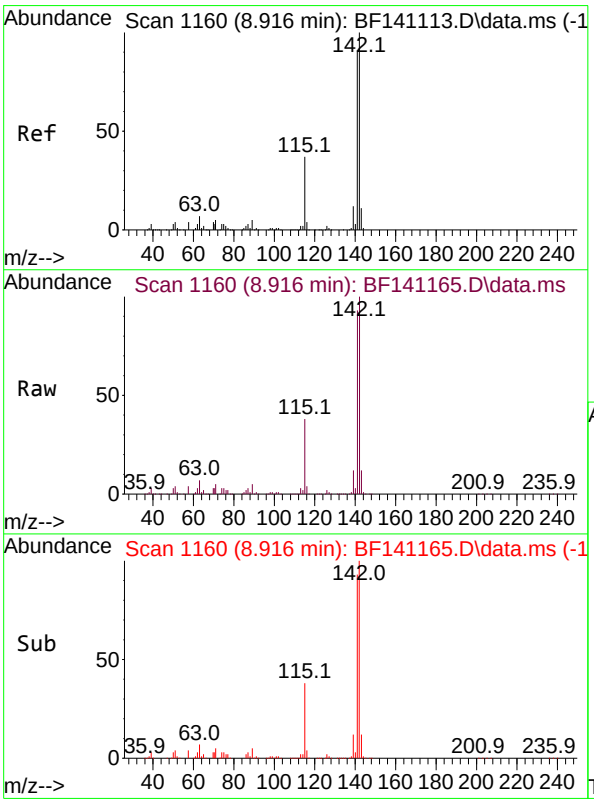

#37
2-Methylnaphthalene
Concen: 45.609 ng
RT: 8.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:142 Resp: 857406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.8 | 71.3 | 106.9 |

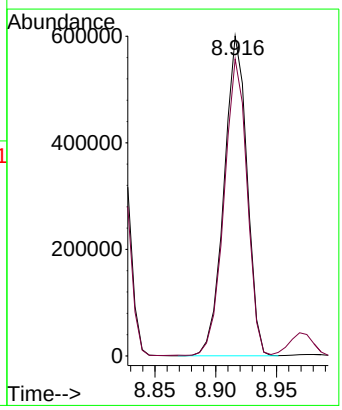


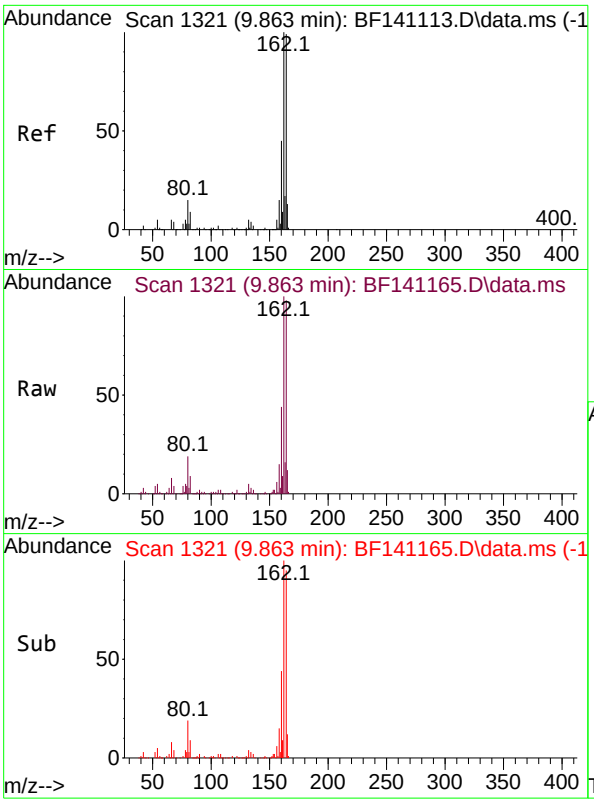




#38
1-Methylnaphthalene
Concen: 42.599 ng
RT: 8.916 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:142 Resp: 789241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.8 | 73.1 | 109.7 |



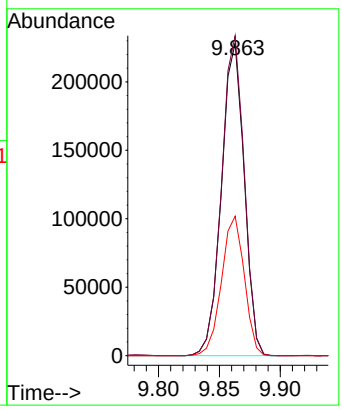


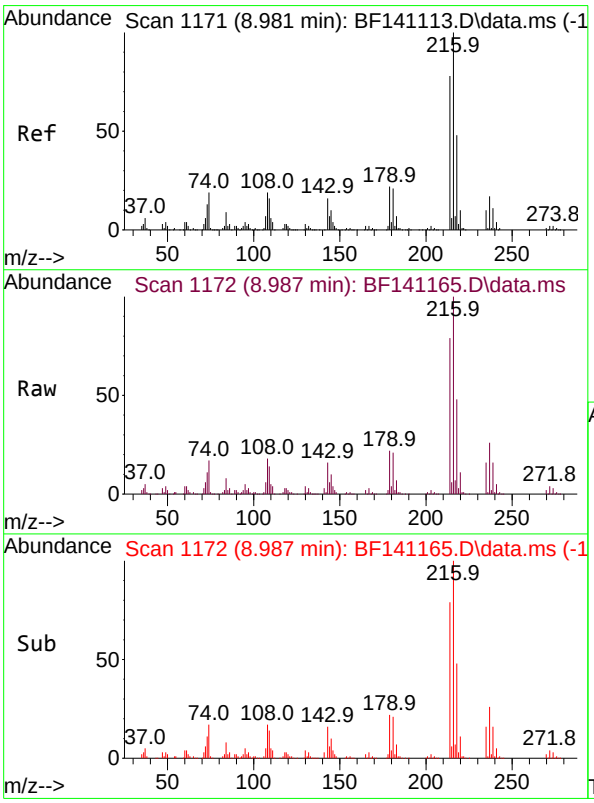

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:164 Resp: 296383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.4 | 81.0 | 121.4 |
| 160 | 44.7 | 36.1 | 54.1 |

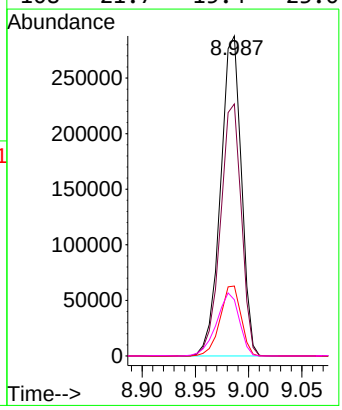


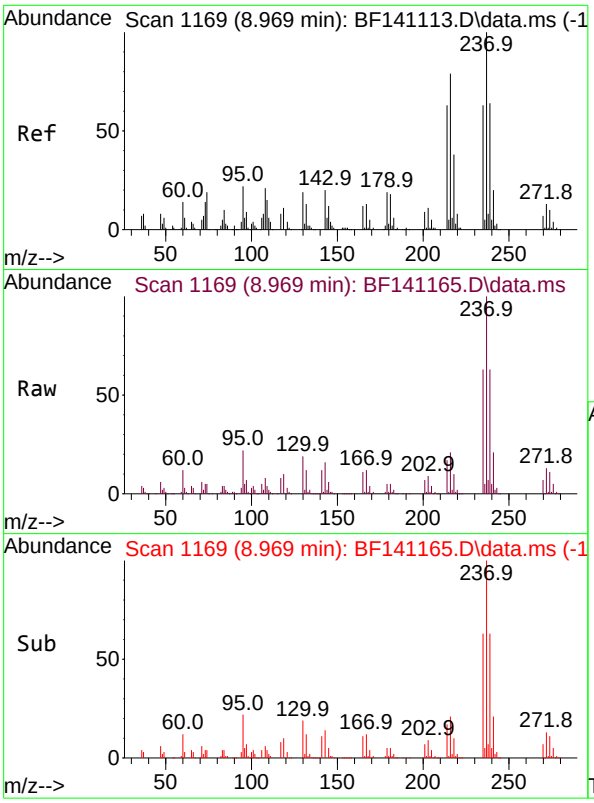




#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.831 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:216 Resp: 389876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.0 | 62.6 | 94.0 |
| 179 | 22.1 | 17.7 | 26.5 |
| 108 | 21.7 | 15.4 | 23.0 |



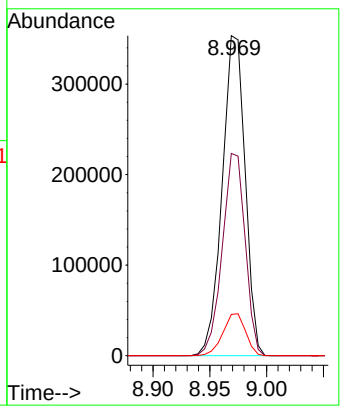


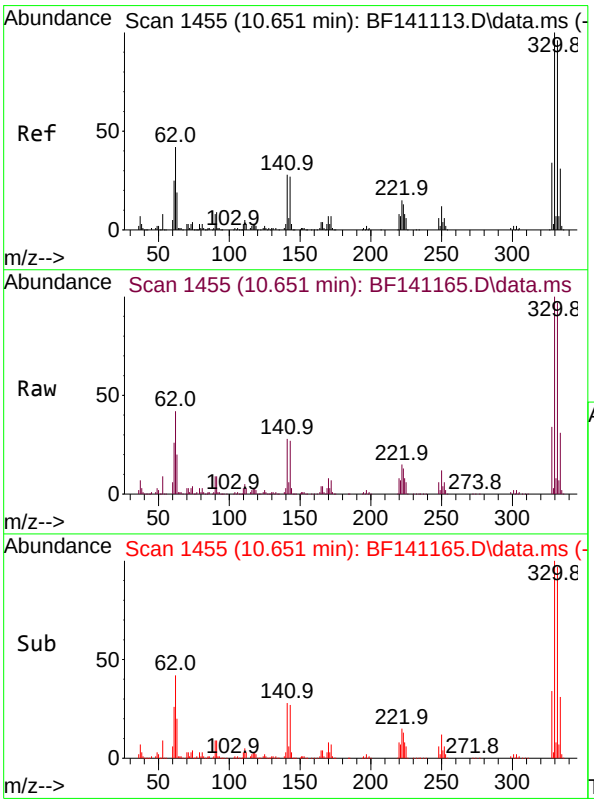

#41
Hexachlorocyclopentadiene
Concen: 178.397 ng
RT: 8.969 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:237 Resp: 496501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.2 | 43.0 | 83.0 |
| 272 | 12.9 | 0.0 | 33.0 |

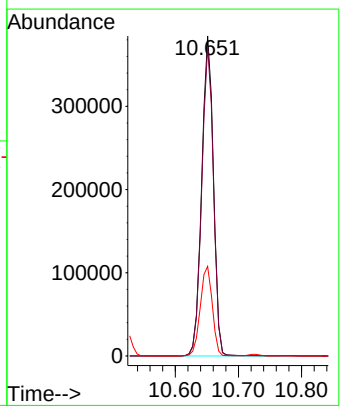


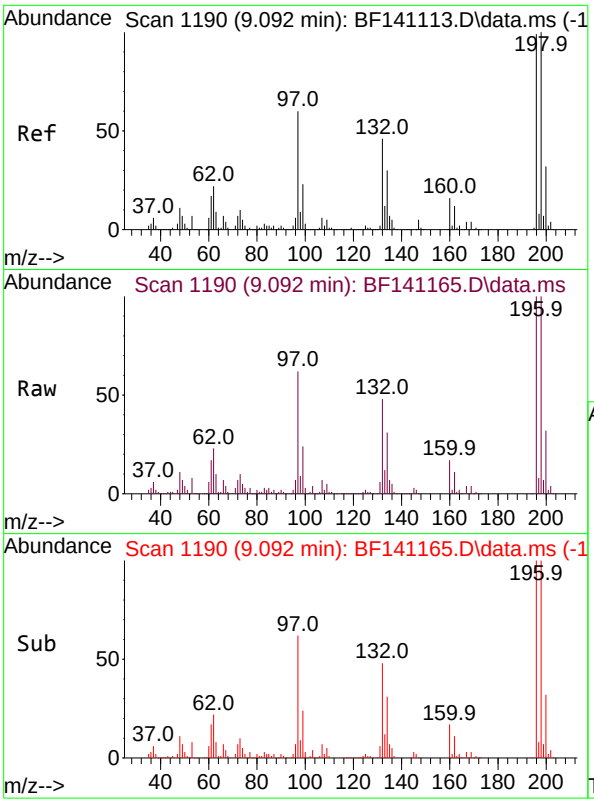




#42
2,4,6-Tribromophenol
Concen: 146.817 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:330 Resp: 495813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 76.9 | 115.3 |
| 141 | 28.7 | 25.2 | 37.8 |



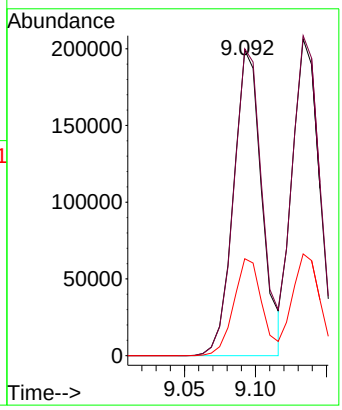


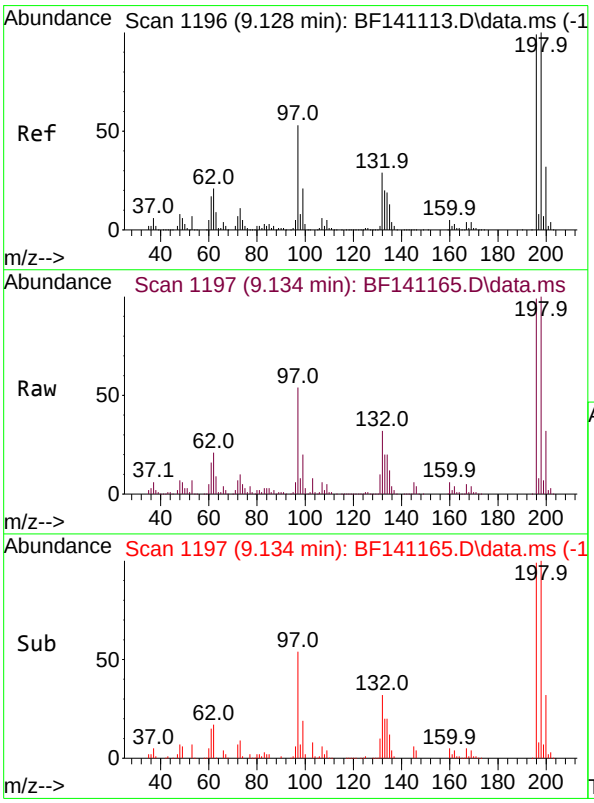

#43
2,4,6-Trichlorophenol
Concen: 48.169 ng
RT: 9.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:196 Resp: 276357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.4 | 80.8 | 121.2 |
| 200 | 31.8 | 25.7 | 38.5 |

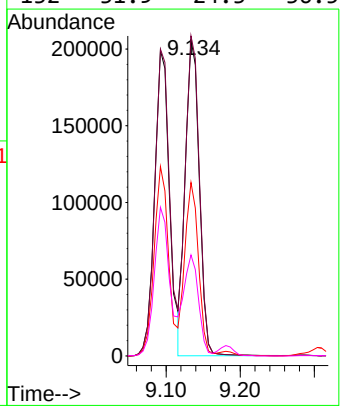


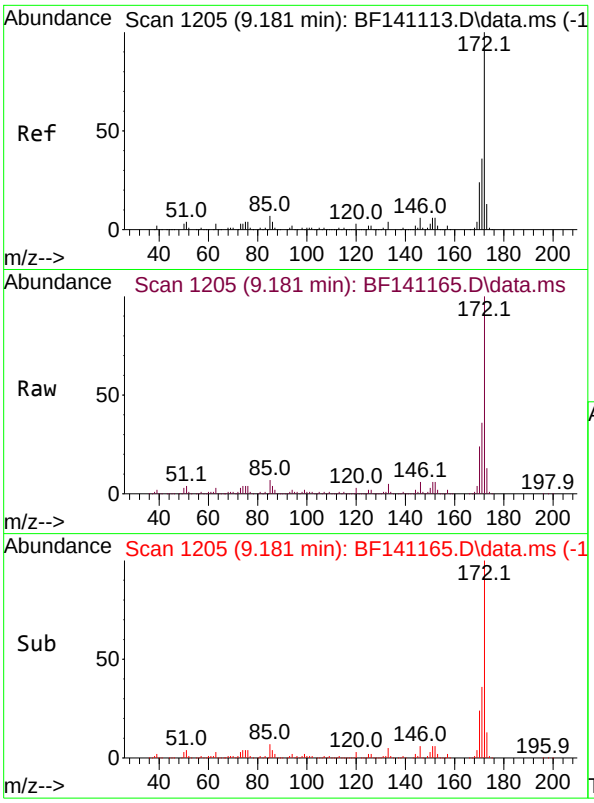




#44
2,4,5-Trichlorophenol
Concen: 44.988 ng
RT: 9.134 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:196 Resp: 272593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.1 | 80.6 | 120.8 |
| 97 | 54.8 | 43.1 | 64.7 |
| 132 | 31.9 | 24.3 | 36.5 |



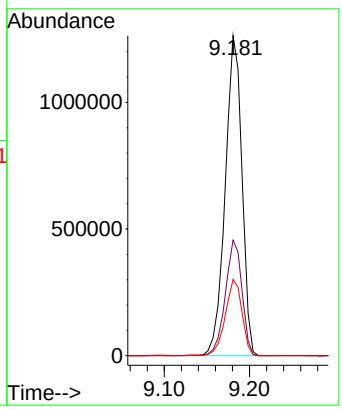


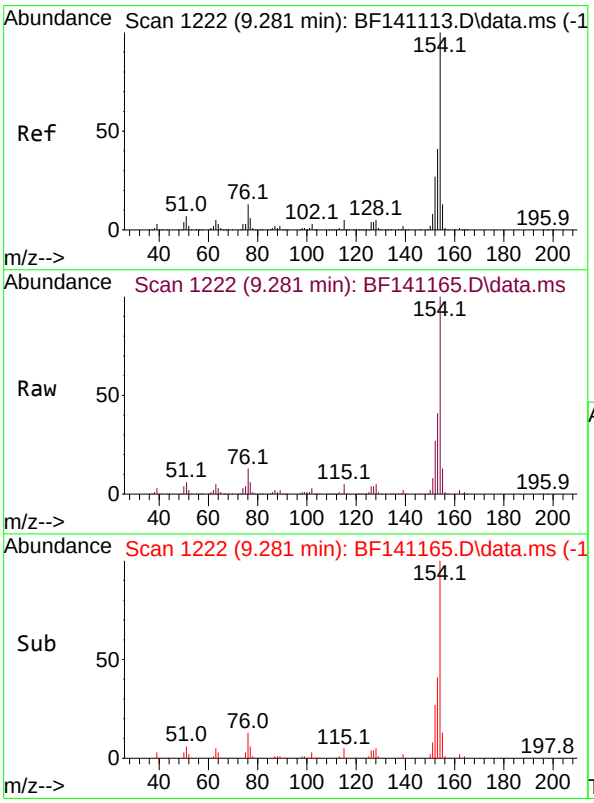

#45
2-Fluorobiphenyl
Concen: 88.547 ng
RT: 9.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:172 Resp: 1718604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 28.7 | 43.1 |
| 170 | 23.8 | 19.0 | 28.6 |

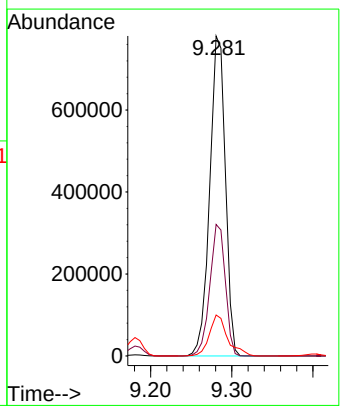


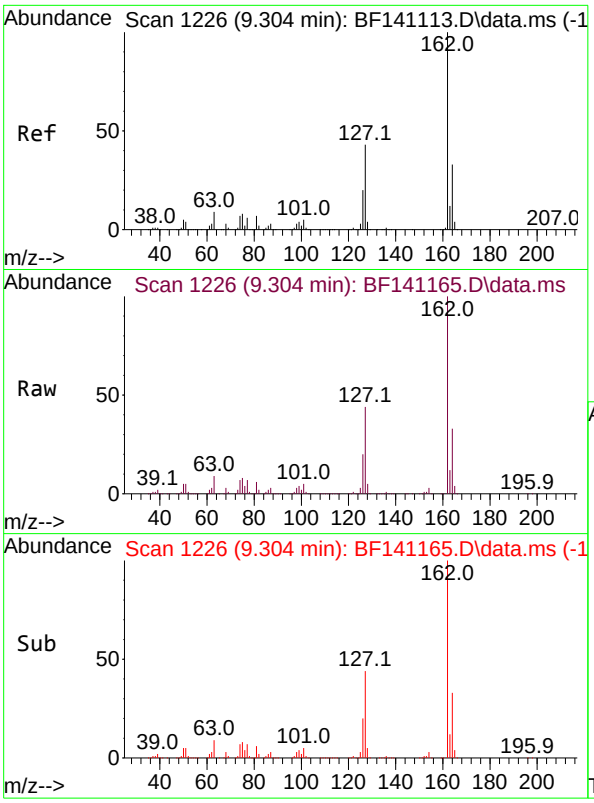




#46
1,1'-Biphenyl
Concen: 45.225 ng
RT: 9.281 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:154 Resp: 1040938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.1 | 20.7 | 60.7 |
| 76 | 12.8 | 0.0 | 33.1 |



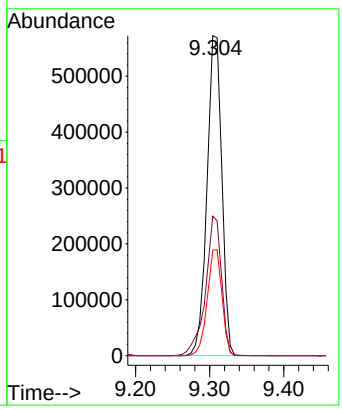


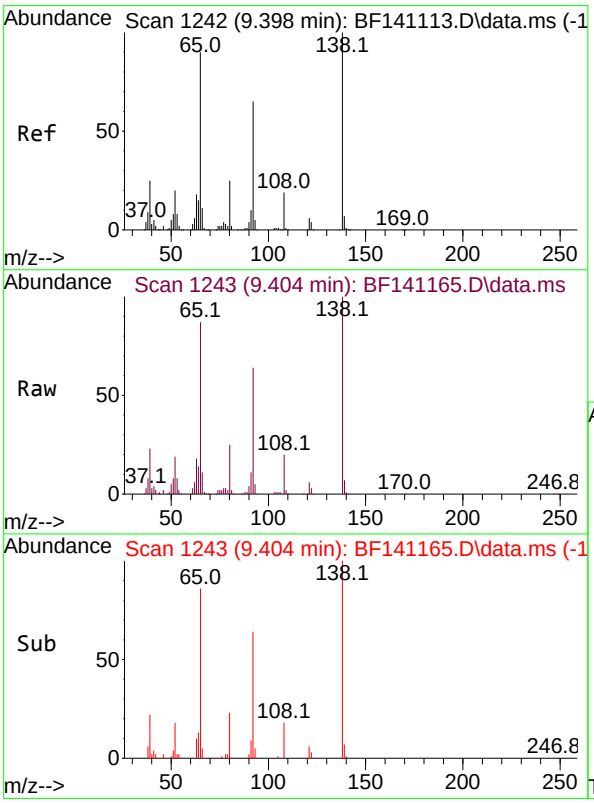

#47
2-Chloronaphthalene
Concen: 44.320 ng
RT: 9.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:162 Resp: 794541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.6 | 34.6 | 51.8 |
| 164 | 33.0 | 26.5 | 39.7 |

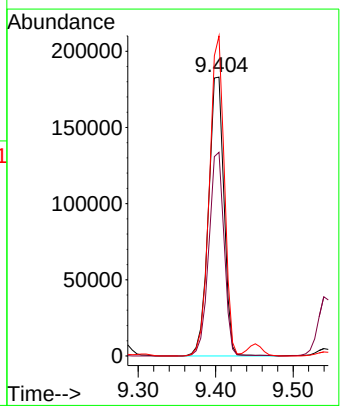


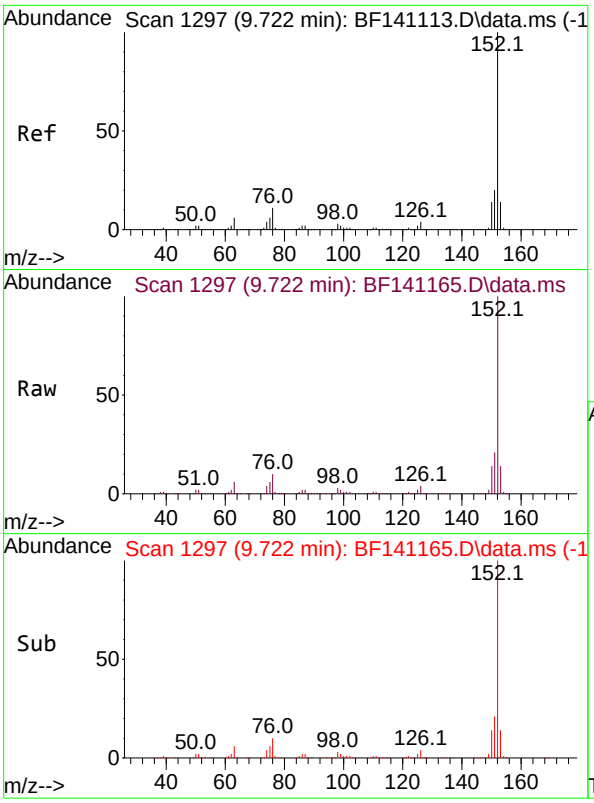




#48
2-Nitroaniline
Concen: 47.818 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion: 65 Resp: 254121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 73.0 | 58.3 | 87.5 |
| 138 | 114.7 | 89.1 | 133.7 |



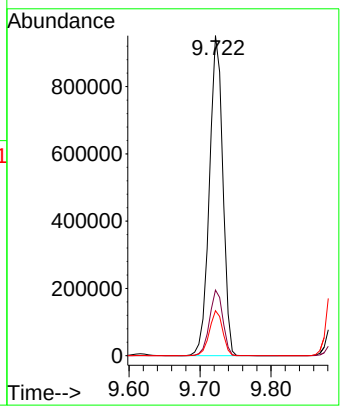


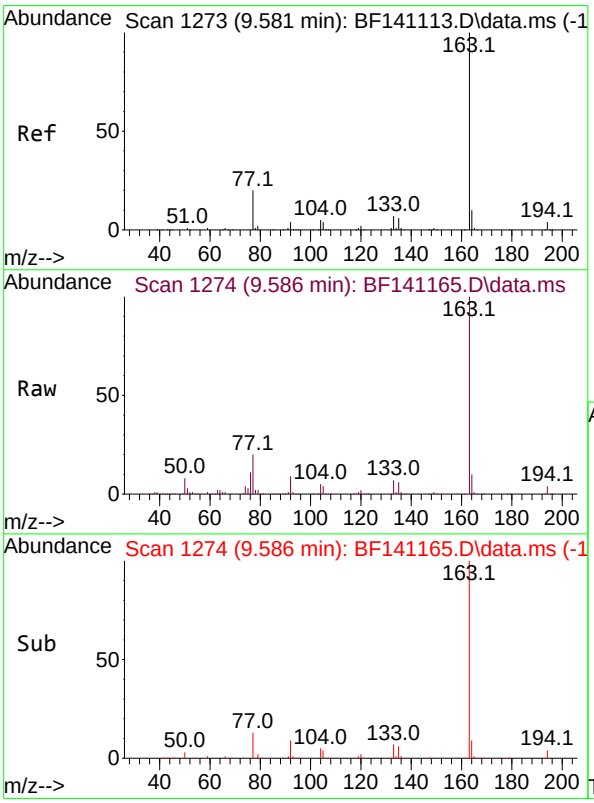

#49
Acenaphthylene
Concen: 48.714 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:152 Resp: 1247717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.1 | 24.1 |
| 153 | 14.1 | 11.1 | 16.7 |

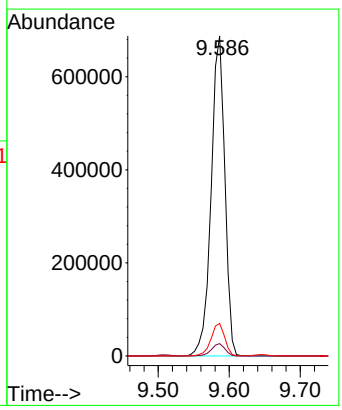


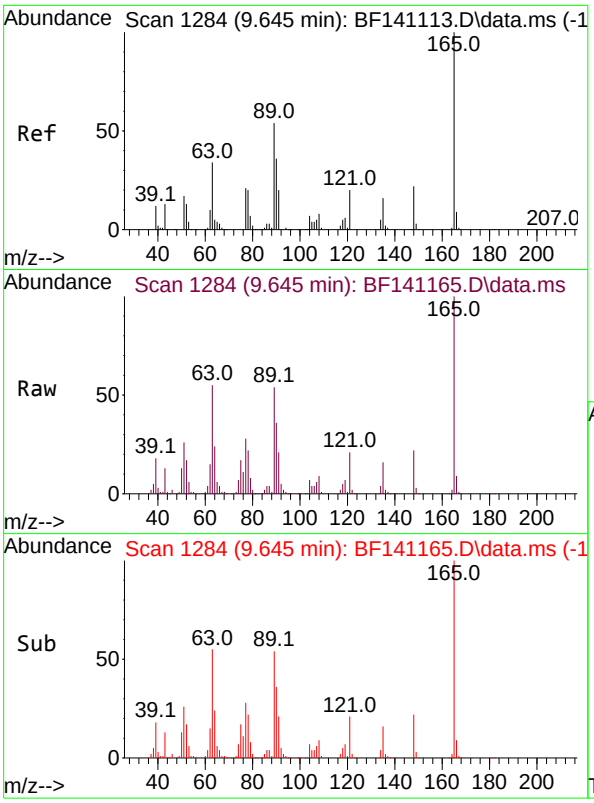




#50
Dimethylphthalate
Concen: 46.219 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:163 Resp: 919633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.0 | 4.6 |
| 164 | 10.1 | 8.2 | 12.4 |



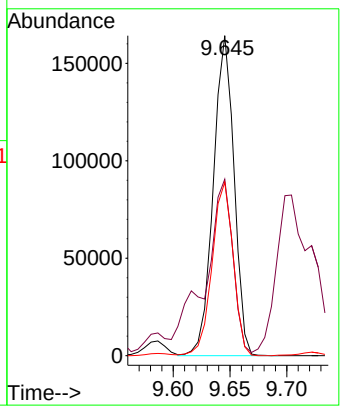


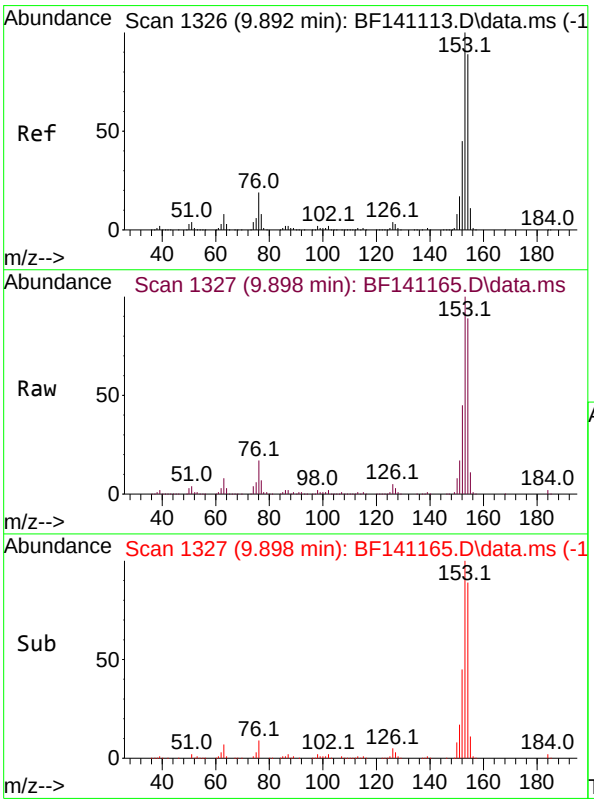

#51
2,6-Dinitrotoluene
Concen: 45.095 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:165 Resp: 208657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 55.2 | 42.3 | 63.5 |
| 89 | 54.2 | 43.1 | 64.7 |

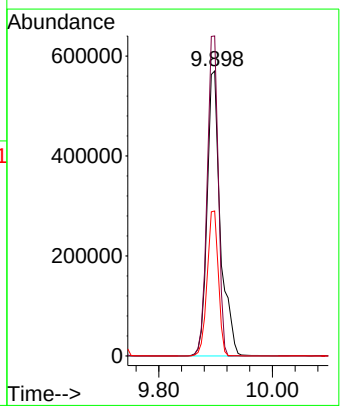


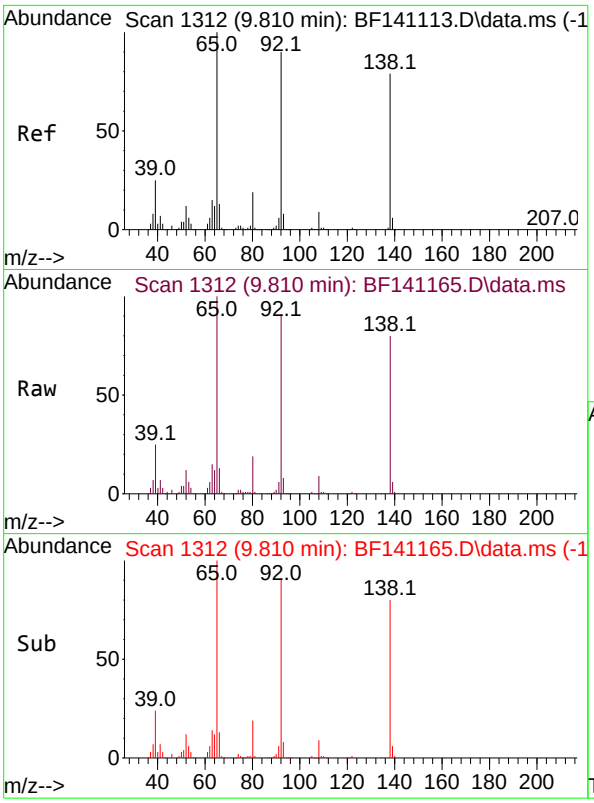




#52
Acenaphthene
Concen: 51.587 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:154 Resp: 923120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.3 | 89.8 | 134.6 |
| 152 | 50.9 | 40.8 | 61.2 |



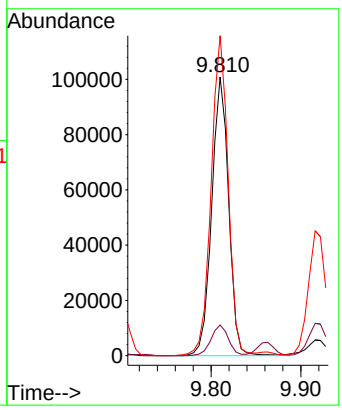


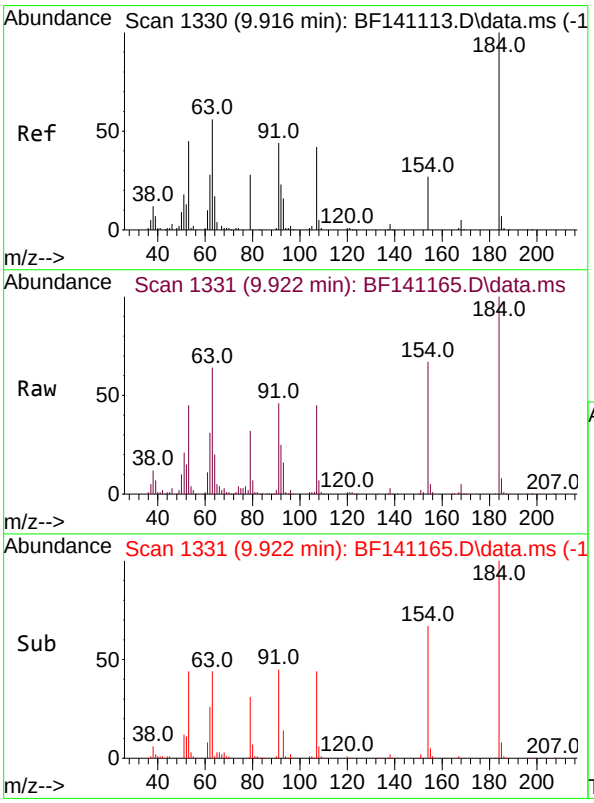

#53
3-Nitroaniline
Concen: 28.088 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:138 Resp: 132071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.1 | 8.8 | 13.2 |
| 92 | 114.8 | 91.3 | 136.9 |

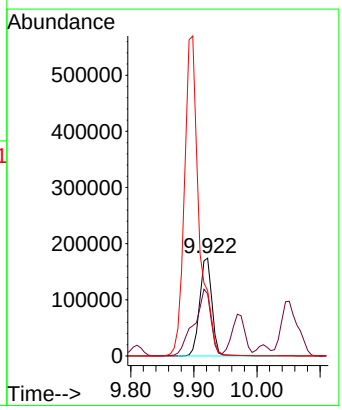


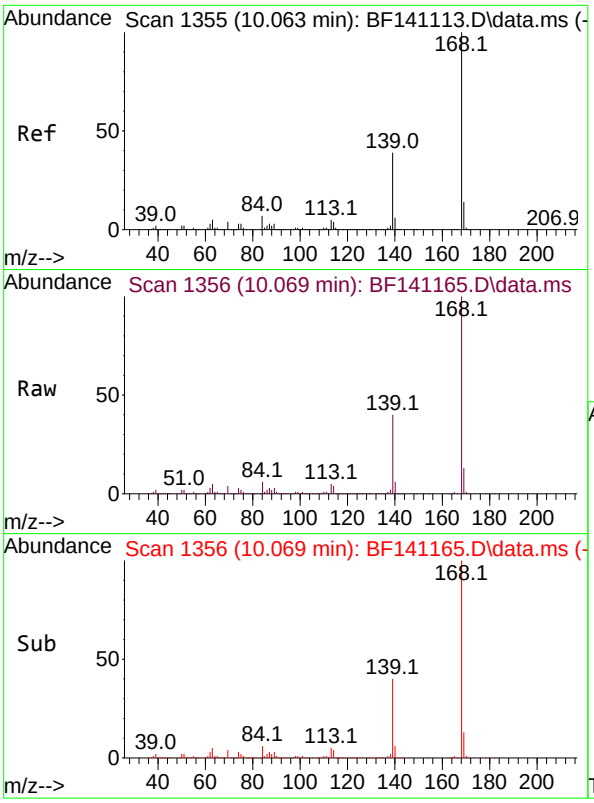




#54
2,4-Dinitrophenol
Concen: 107.198 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:184 Resp: 235763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 63.5 | 48.7 | 73.1 |
| 154 | 66.8 | 57.1 | 85.7 |



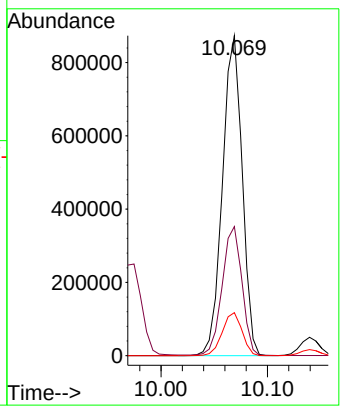


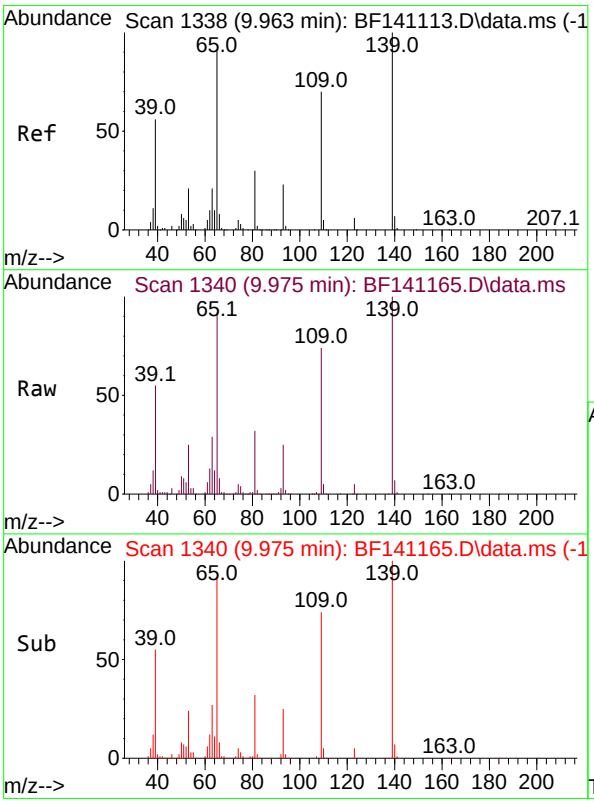

#55
Dibenzofuran
Concen: 46.212 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:168 Resp: 1124811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.3 | 31.4 | 47.0 |
| 169 | 13.5 | 10.9 | 16.3 |

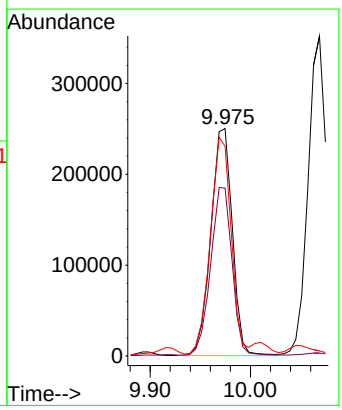


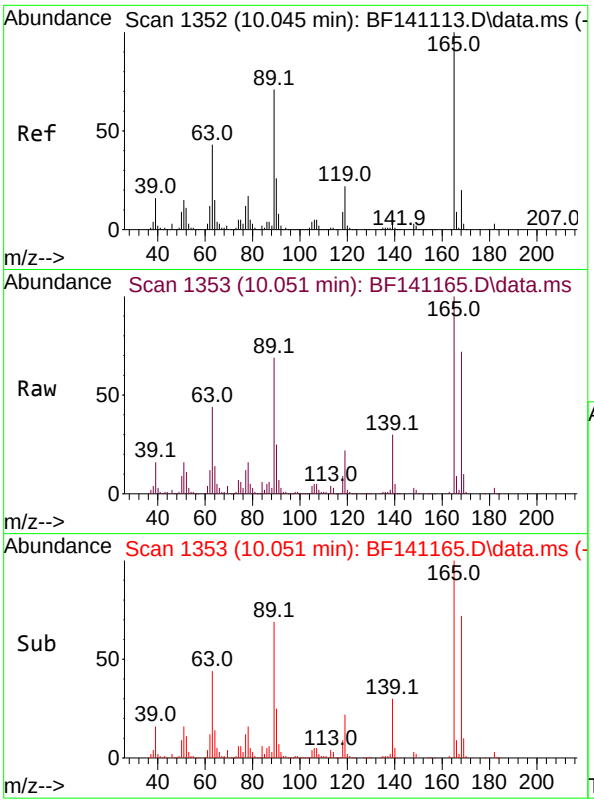




#56
4-Nitrophenol
Concen: 100.786 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.012 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:139 Resp: 371142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 73.8 | 50.2 | 90.2 |
| 65 | 92.2 | 72.1 | 112.1 |



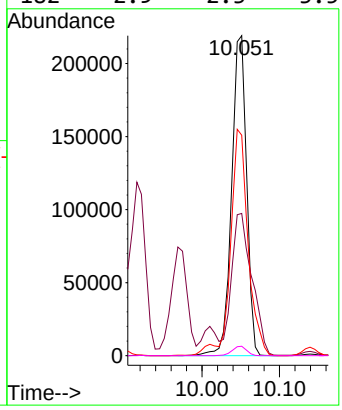


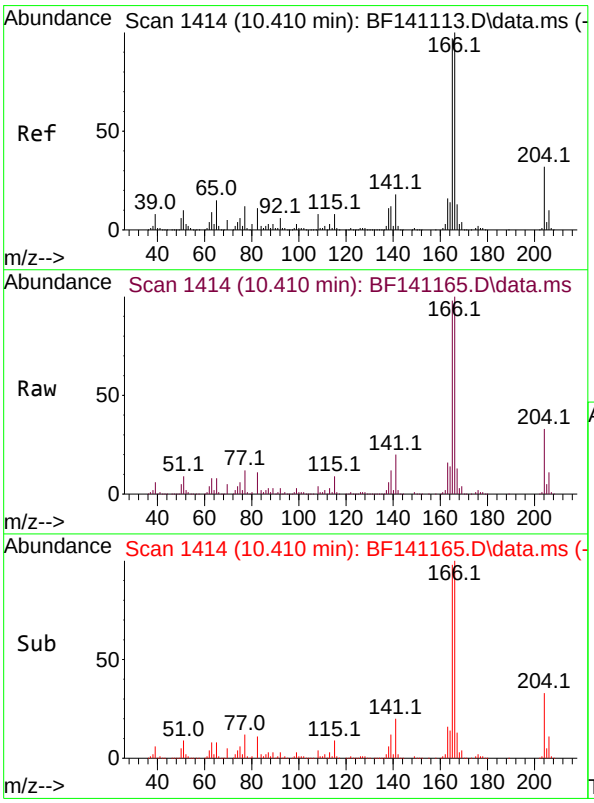

#57
2,4-Dinitrotoluene
Concen: 49.452 ng
RT: 10.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:165 Resp: 294883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 44.5 | 35.0 | 52.4 |
| 89 | 68.9 | 56.7 | 85.1 |
| 182 | 2.9 | 2.3 | 3.5 |

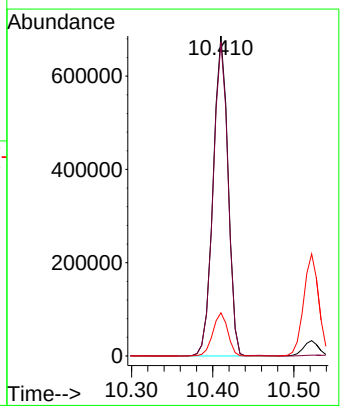


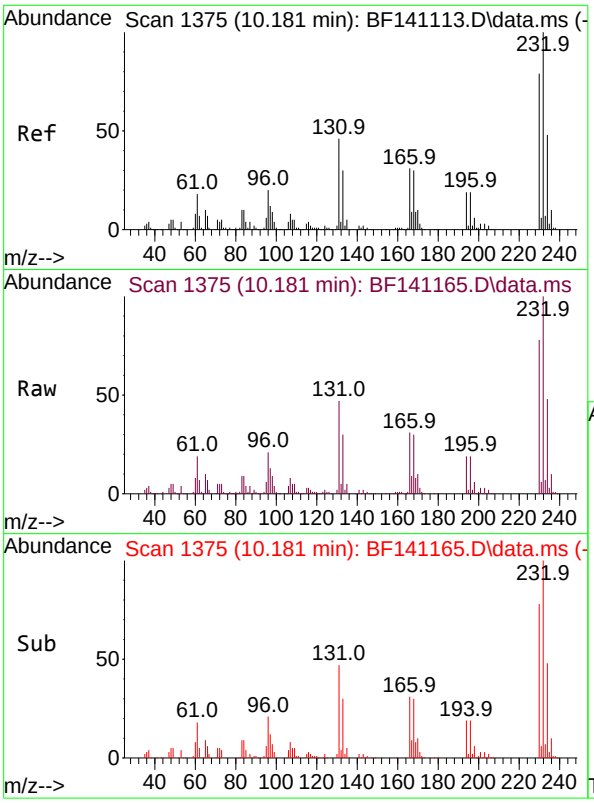




#58
Fluorene
Concen: 46.277 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:166 Resp: 875091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.1 | 77.8 | 116.8 |
| 167 | 13.5 | 10.8 | 16.2 |



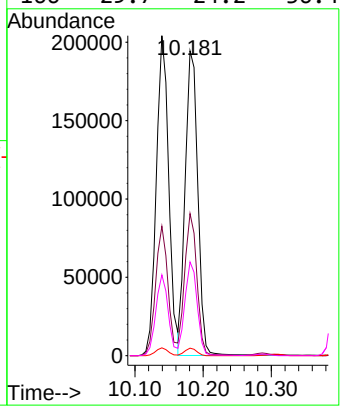


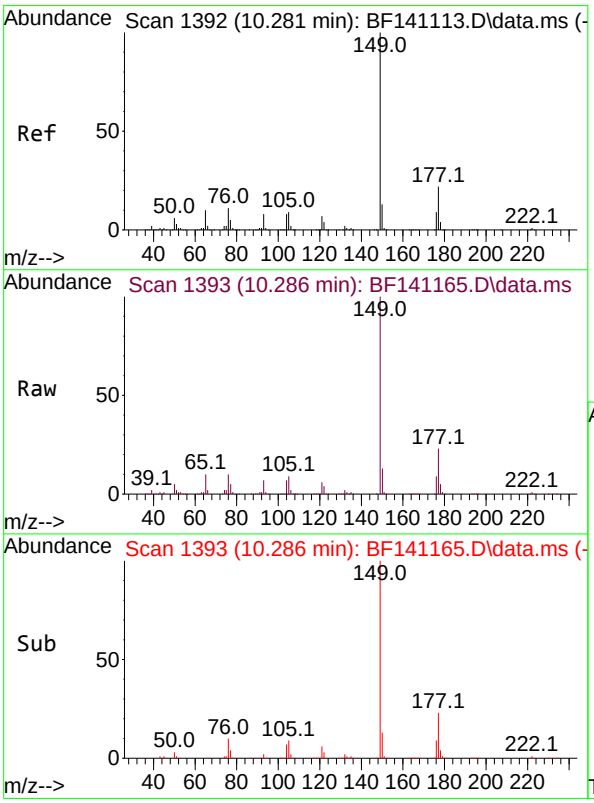

#59
2,3,4,6-Tetrachlorophenol
Concen: 49.226 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:232 Resp: 247930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.2 | 36.2 | 54.4 |
| 130 | 2.3 | 2.0 | 3.0 |
| 166 | 29.7 | 24.2 | 36.4 |

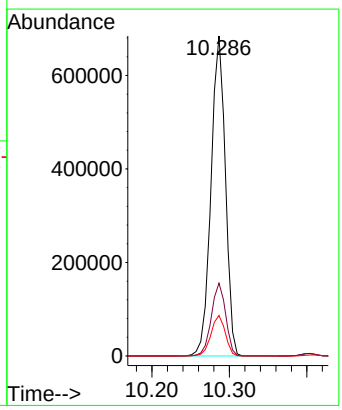


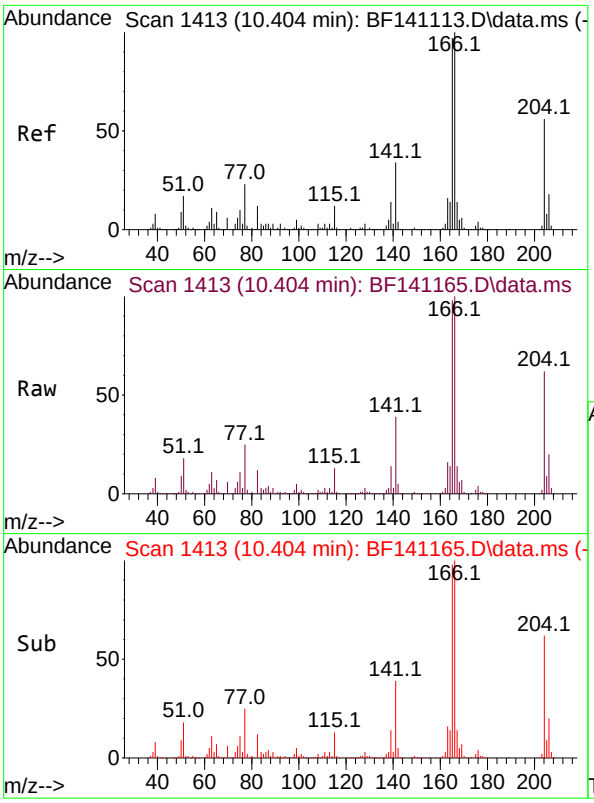




#60
Diethylphthalate
Concen: 45.376 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:149 Resp: 881421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.7 | 17.9 | 26.9 |
| 150 | 12.7 | 10.2 | 15.2 |



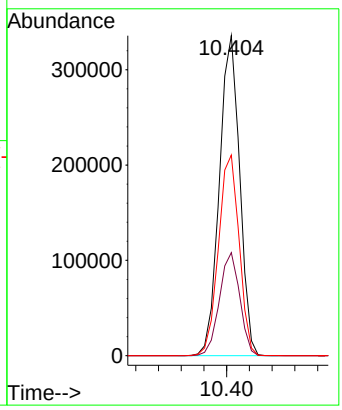


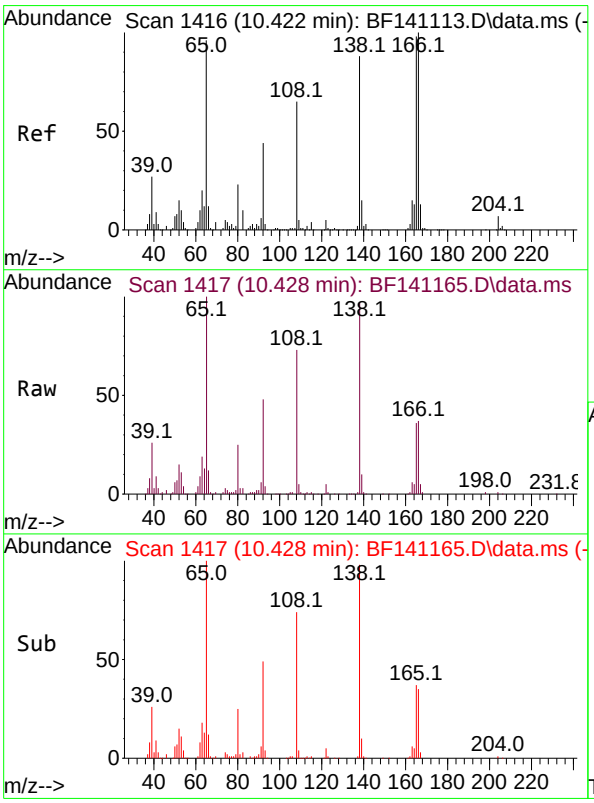

#61
4-Chlorophenyl-phenylether
Concen: 45.177 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:204 Resp: 416366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.2 | 25.9 | 38.9 |
| 141 | 62.7 | 49.1 | 73.7 |

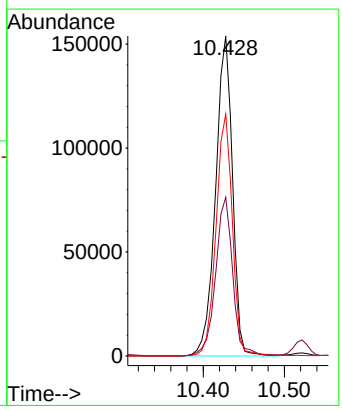


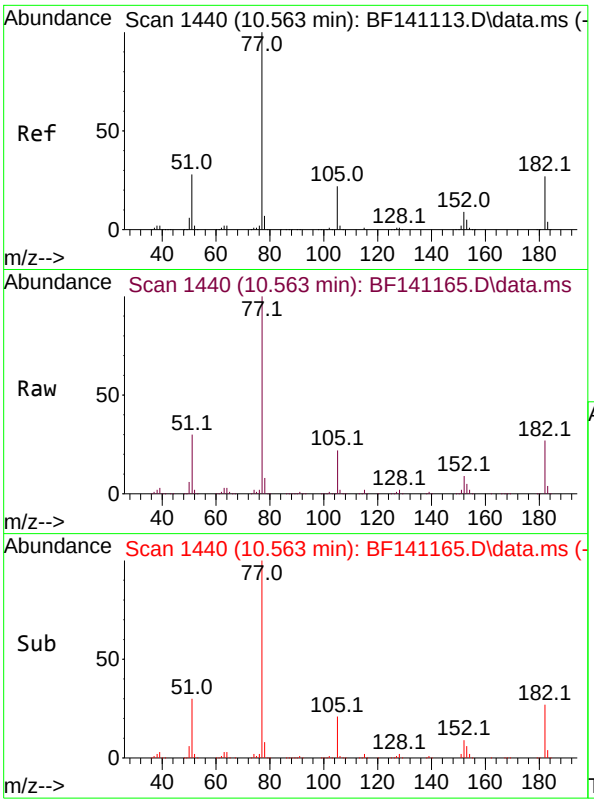




#62
4-Nitroaniline
Concen: 48.524 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:138 Resp: 223312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.6 | 29.4 | 69.4 |
| 108 | 75.6 | 53.7 | 93.7 |



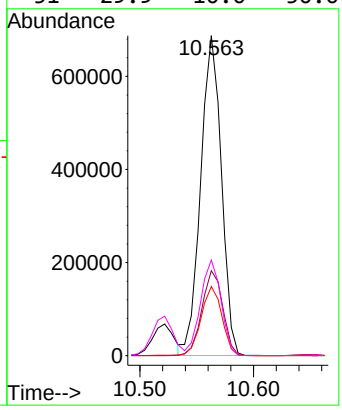


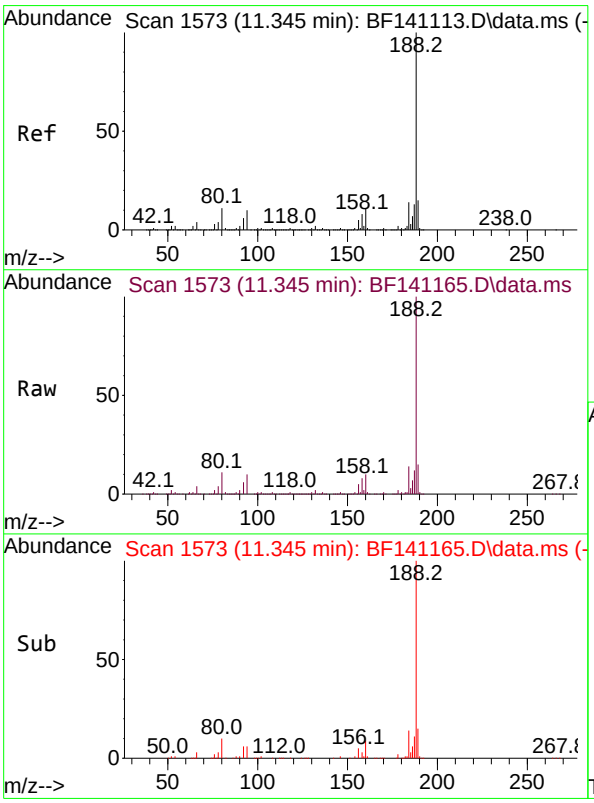

#63
Azobenzene
Concen: 45.387 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion: 77 Resp: 869933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.6 | 6.1 | 46.1 |
| 105 | 21.6 | 2.1 | 42.1 |
| 51 | 29.9 | 10.0 | 50.0 |

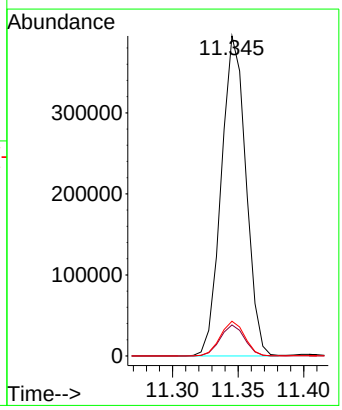


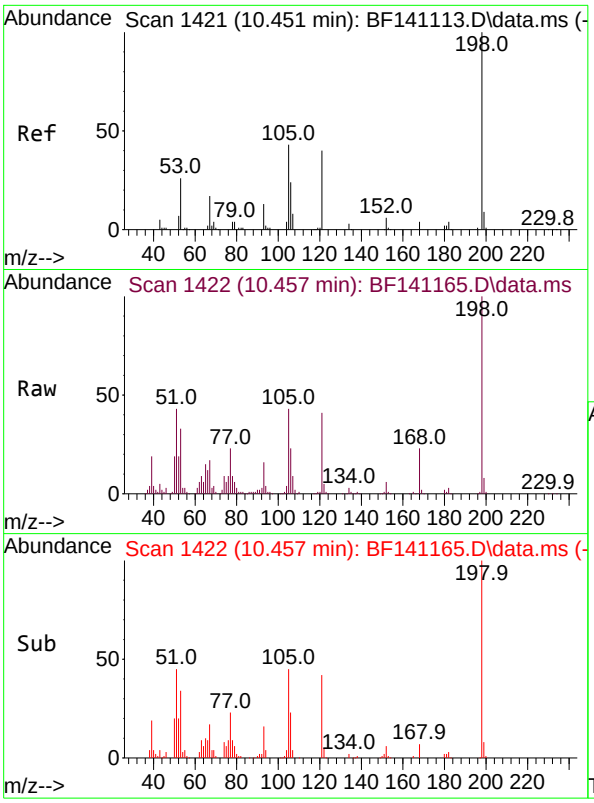




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:188 Resp: 515619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.7 | 8.3 | 12.5 |
| 80 | 10.9 | 9.0 | 13.4 |



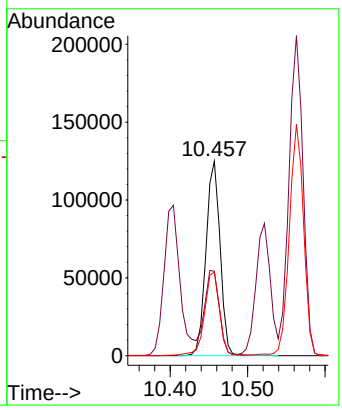


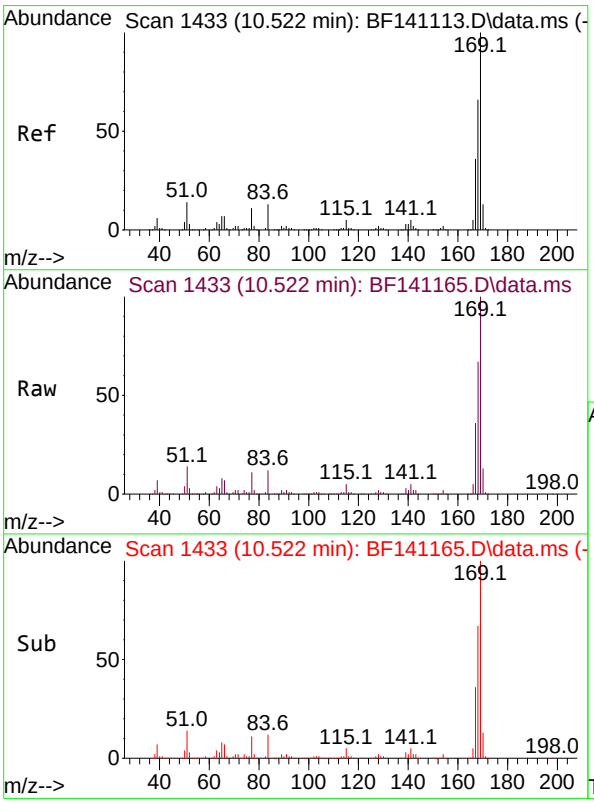

#65
4,6-Dinitro-2-methylphenol
Concen: 53.041 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:198 Resp: 158478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 43.5 | 27.1 | 67.1 |
| 105 | 43.0 | 24.2 | 64.2 |

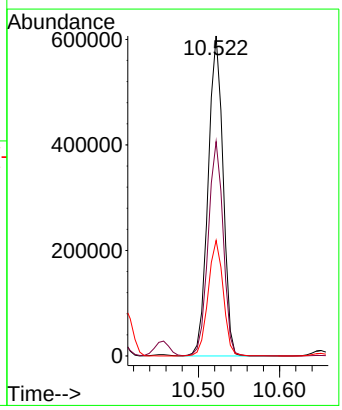


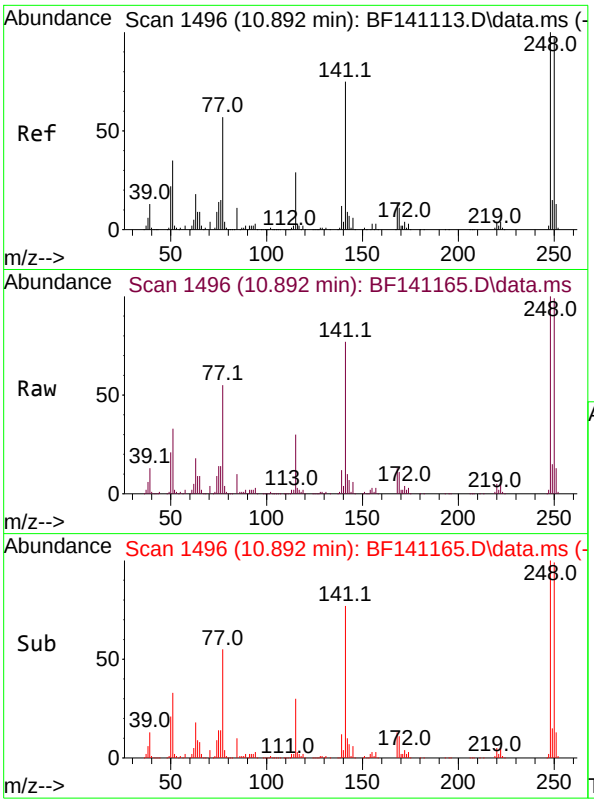




#66
n-Nitrosodiphenylamine
Concen: 46.419 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:169 Resp: 771997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.0 | 52.5 | 78.7 |
| 167 | 36.1 | 28.9 | 43.3 |



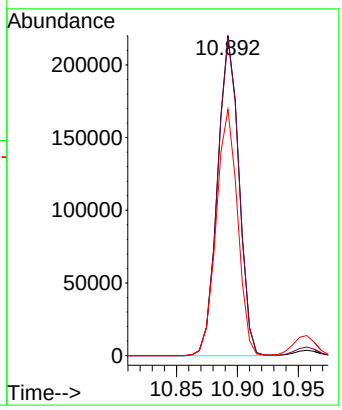


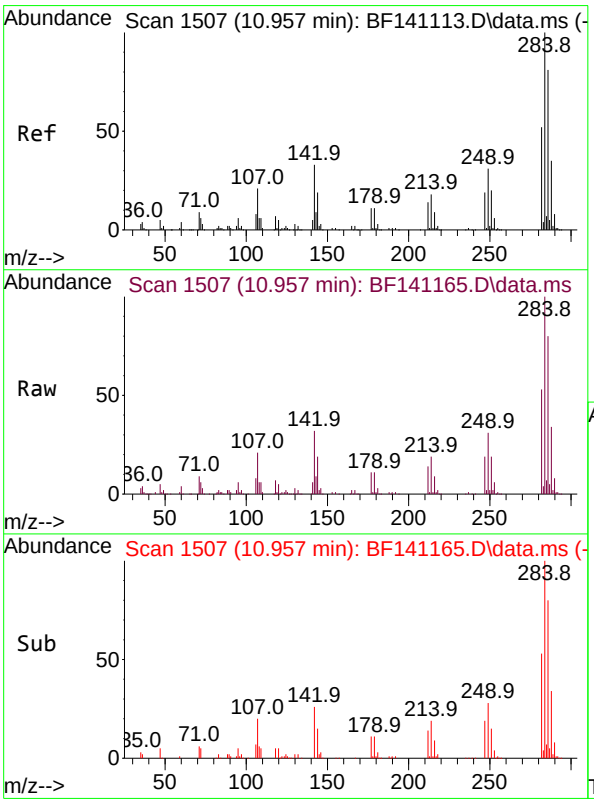

#67
4-Bromophenyl-phenylether
Concen: 45.353 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:248 Resp: 269230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.2 | 77.9 | 116.9 |
| 141 | 76.9 | 59.9 | 89.9 |

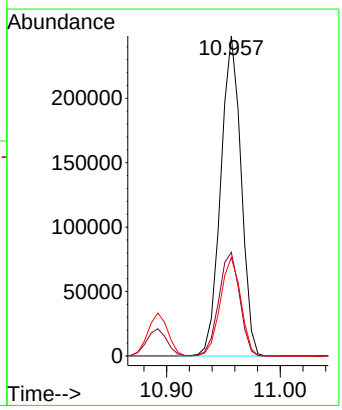


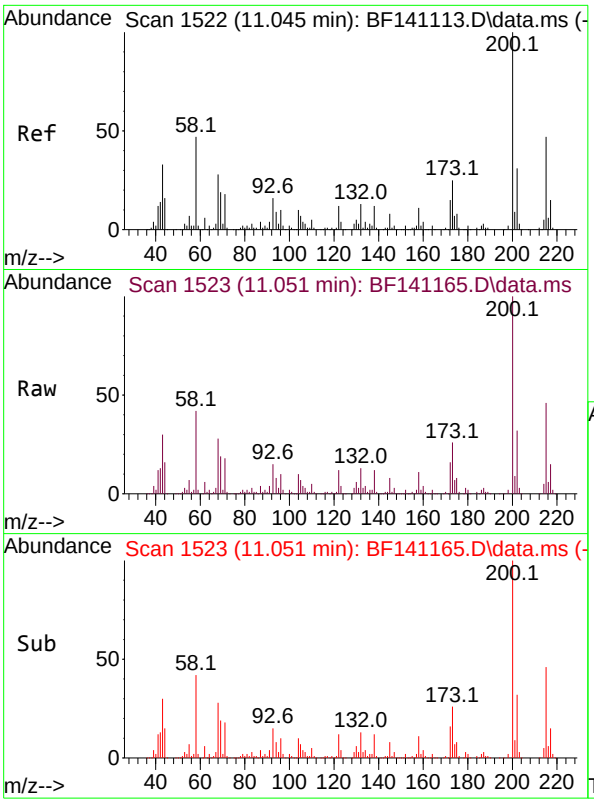




#68
Hexachlorobenzene
Concen: 46.838 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:284 Resp: 309514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.4 | 26.3 | 39.5 |
| 249 | 30.7 | 24.9 | 37.3 |



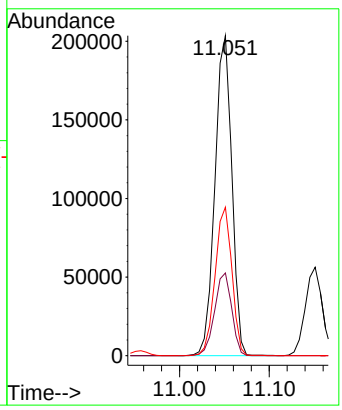


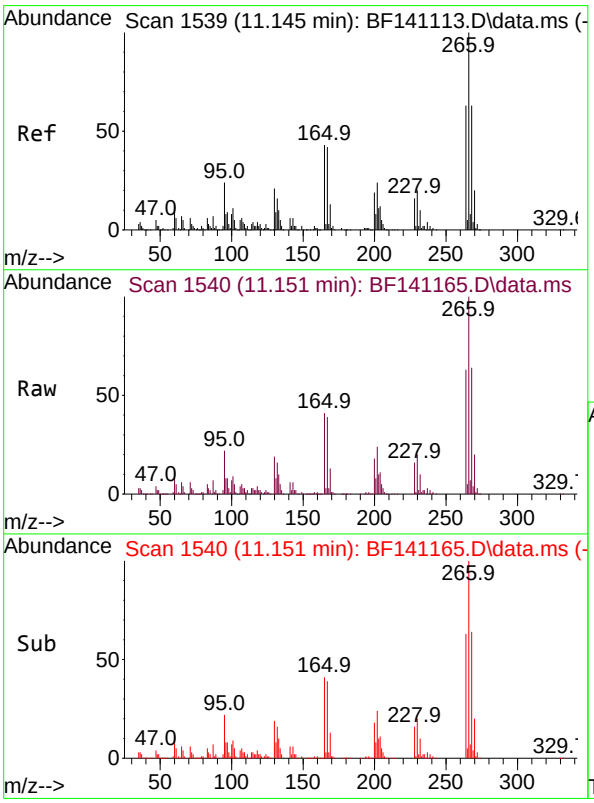

#69
Atrazine
Concen: 59.388 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:200 Resp: 265941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.8 | 5.4 | 45.4 |
| 215 | 46.4 | 26.6 | 66.6 |

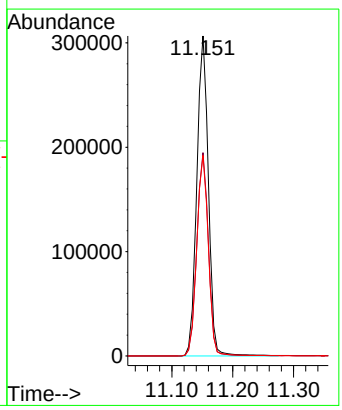


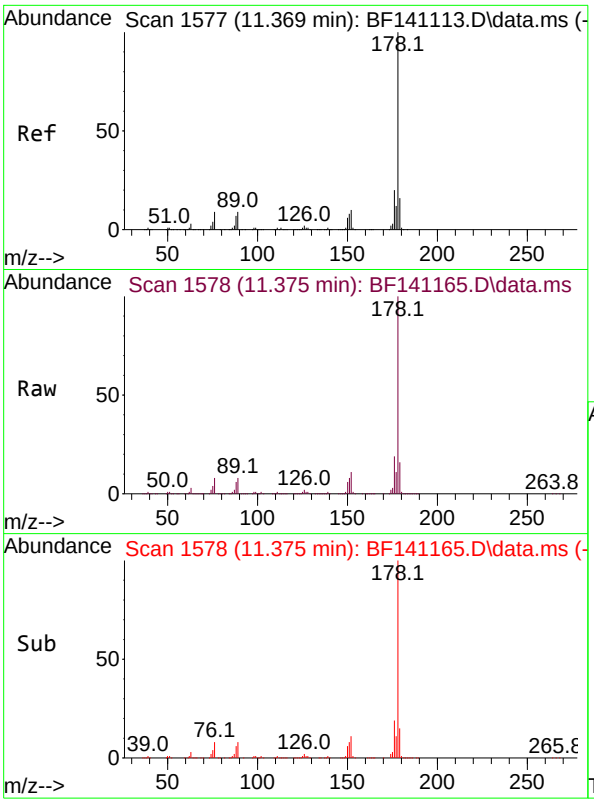




#70
Pentachlorophenol
Concen: 95.622 ng
RT: 11.151 min Scan# 1540
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:266 Resp: 404666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.6 | 50.4 | 75.6 |
| 264 | 62.7 | 50.2 | 75.2 |



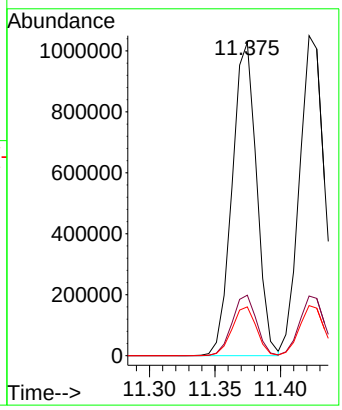


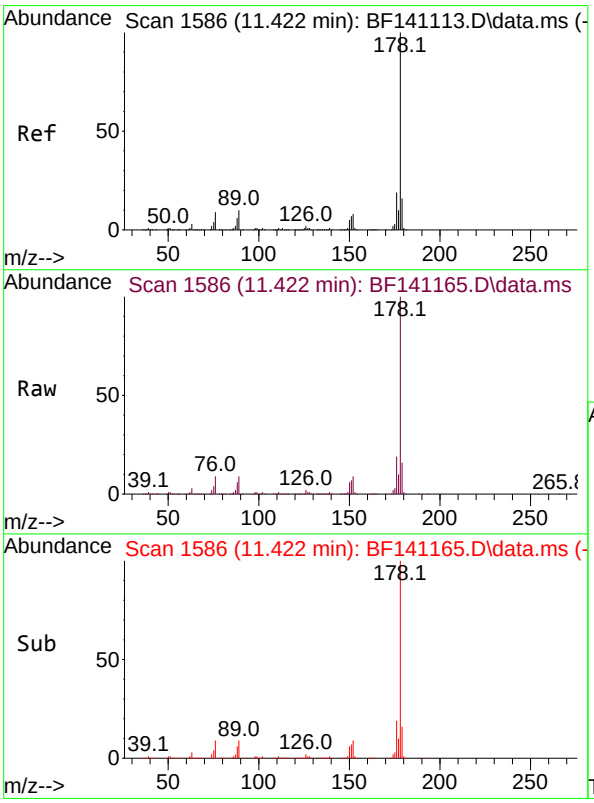

#71
Phenanthrene
Concen: 48.152 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:178 Resp: 1332947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.7 | 23.5 |
| 179 | 15.6 | 12.6 | 19.0 |

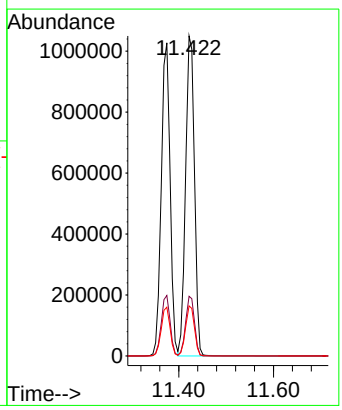


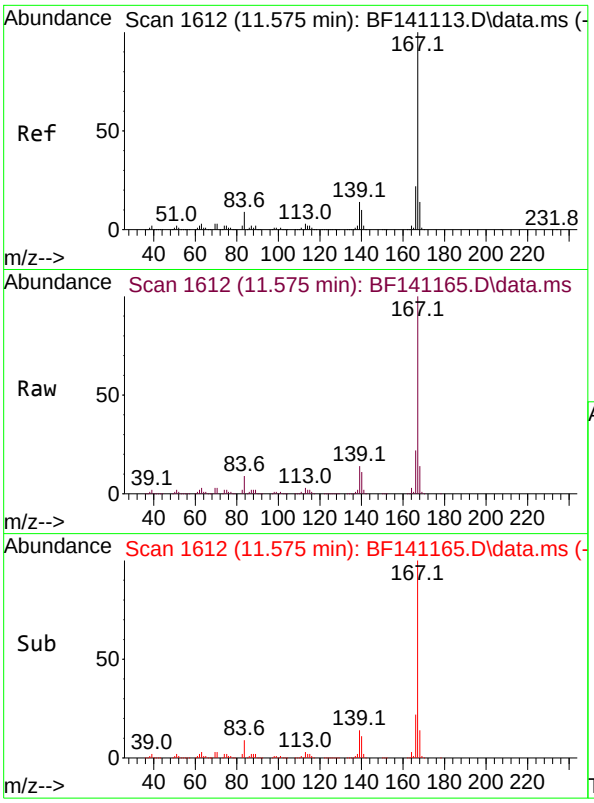




#72
Anthracene
Concen: 50.816 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:178 Resp: 1367788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 14.9 | 22.3 |
| 179 | 15.7 | 12.6 | 19.0 |



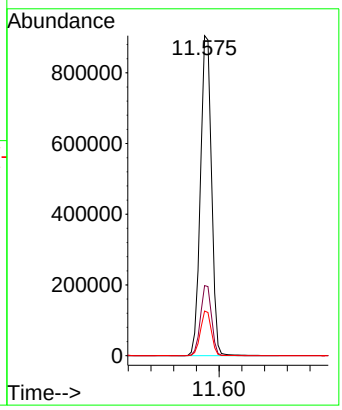


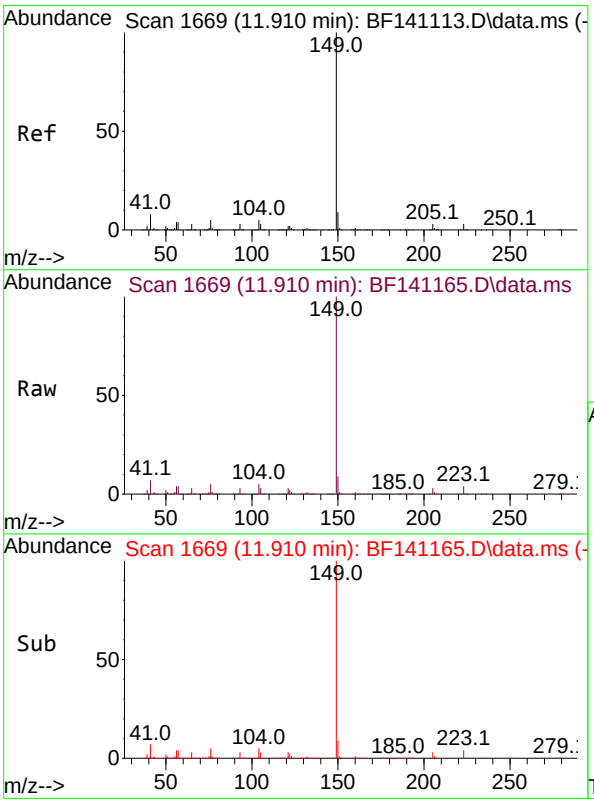

#73
Carbazole
Concen: 49.571 ng
RT: 11.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:167 Resp: 1223450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.9 | 17.4 | 26.2 |
| 139 | 13.9 | 10.9 | 16.3 |

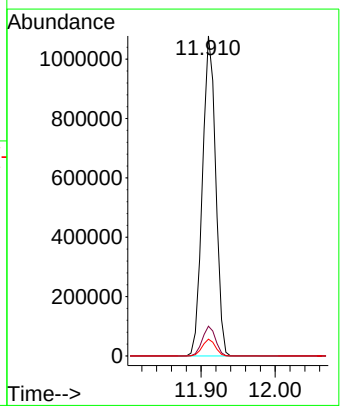


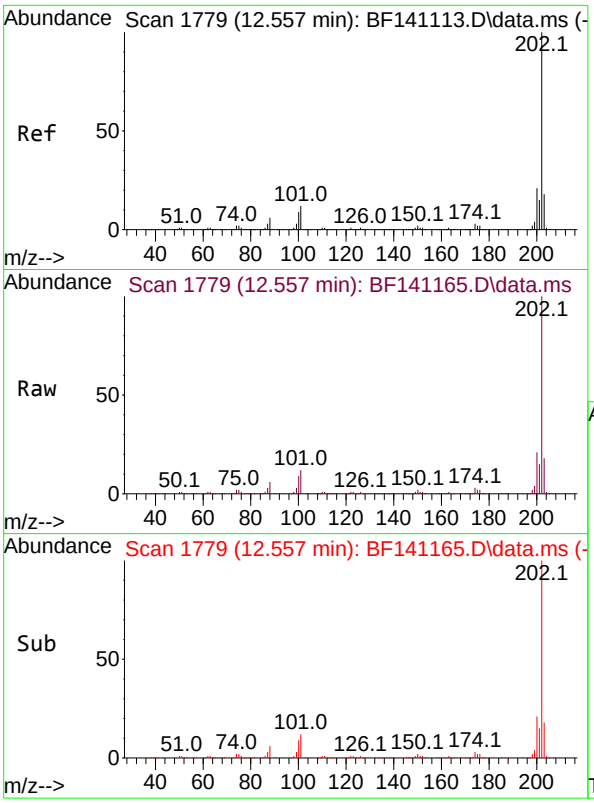




#74
Di-n-butylphthalate
Concen: 47.390 ng
RT: 11.910 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:149 Resp: 1338545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.4 | 11.2 |
| 104 | 5.2 | 4.2 | 6.2 |



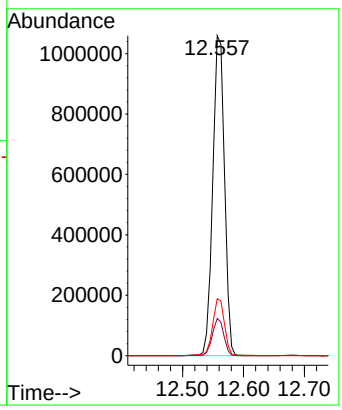


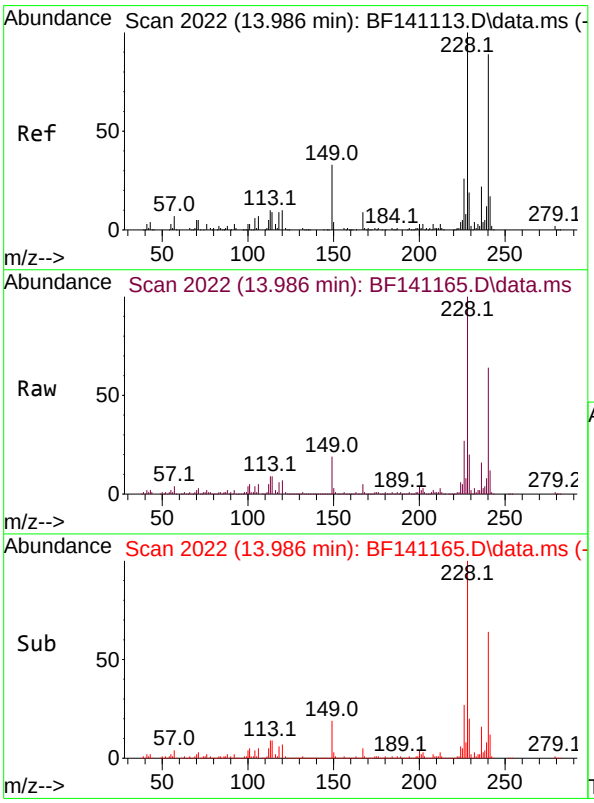

#75
Fluoranthene
Concen: 51.371 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:202 Resp: 1419075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.7 | 0.0 | 32.3 |
| 203 | 17.8 | 0.0 | 37.7 |

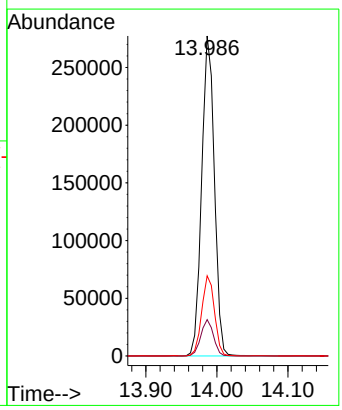


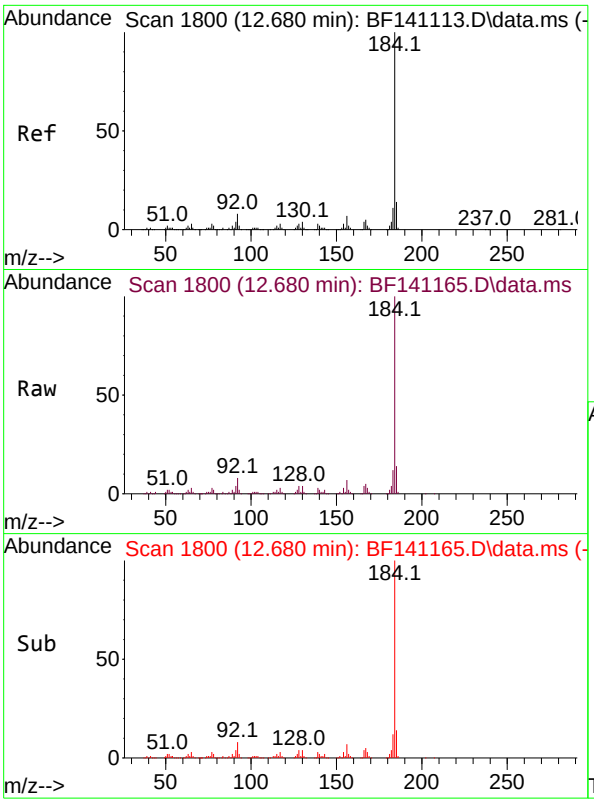




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:240 Resp: 346259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.3 | 9.1 | 13.7 |
| 236 | 25.1 | 19.8 | 29.6 |



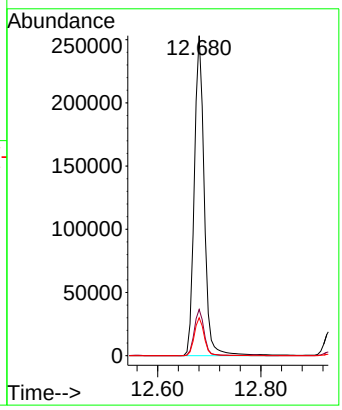


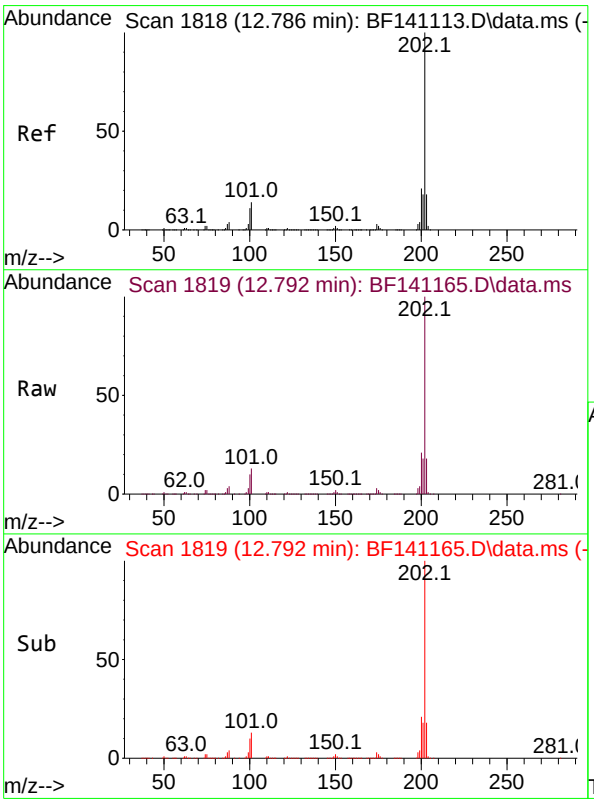

#77
Benzidine
Concen: 52.610 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:184 Resp: 337816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.5 | 11.4 | 17.0 |
| 183 | 11.9 | 9.2 | 13.8 |

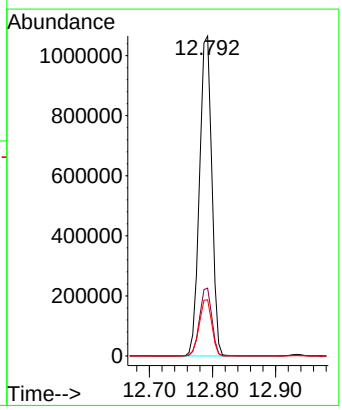


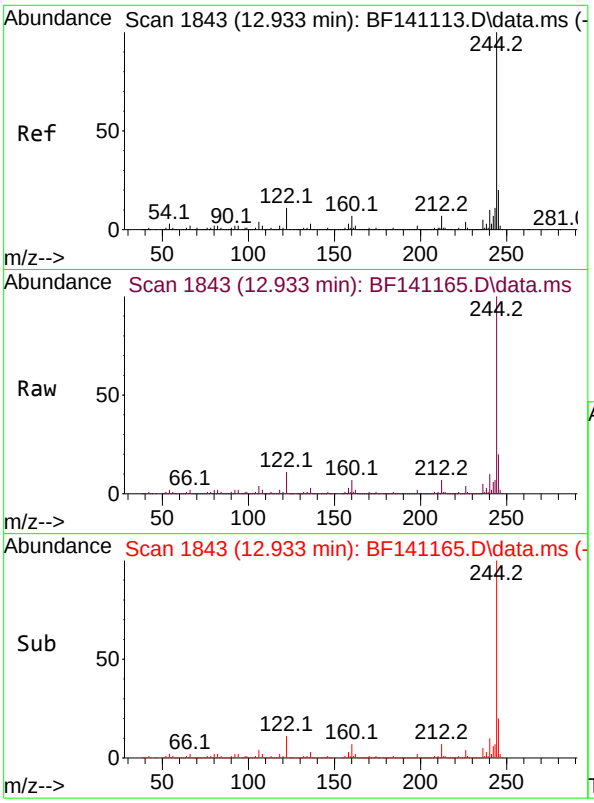




#78
Pyrene
Concen: 43.609 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:202 Resp: 1442231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 16.8 | 25.2 |
| 203 | 17.5 | 14.3 | 21.5 |



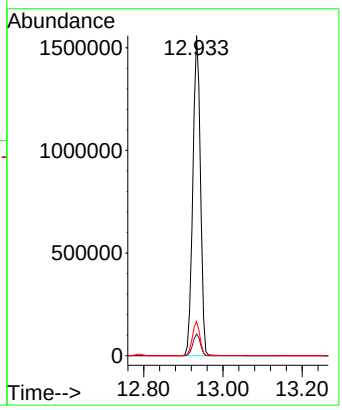


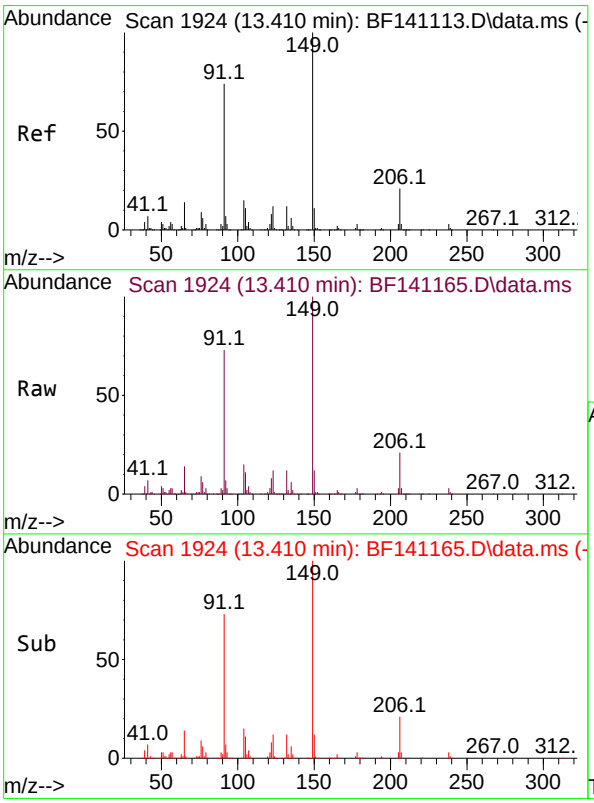

#79
Terphenyl-d14
Concen: 88.698 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:244 Resp: 2066373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.4 | 8.2 |
| 122 | 10.7 | 8.8 | 13.2 |

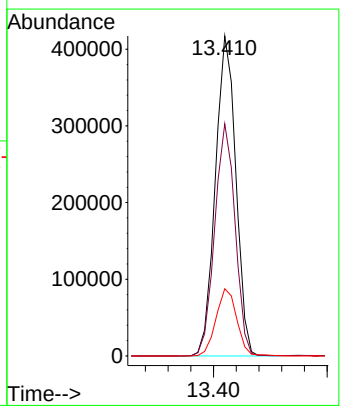


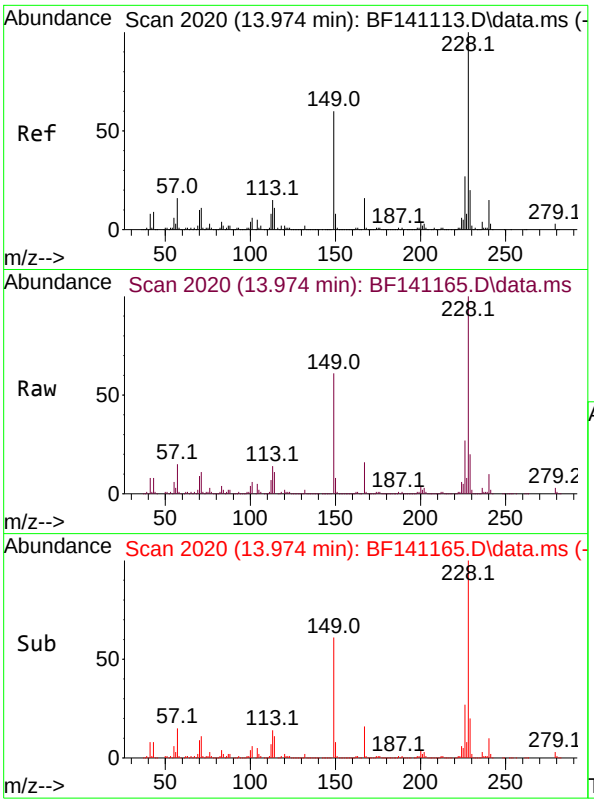




#80
Butylbenzylphthalate
Concen: 47.451 ng
RT: 13.410 min Scan# 1924
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:149 Resp: 523212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.6 | 59.0 | 88.6 |
| 206 | 21.0 | 16.5 | 24.7 |



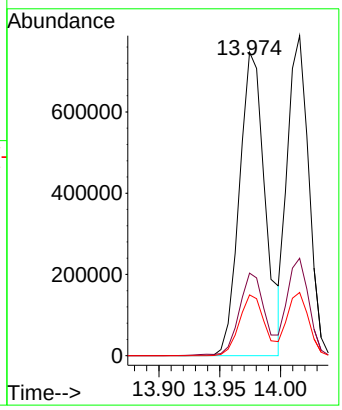


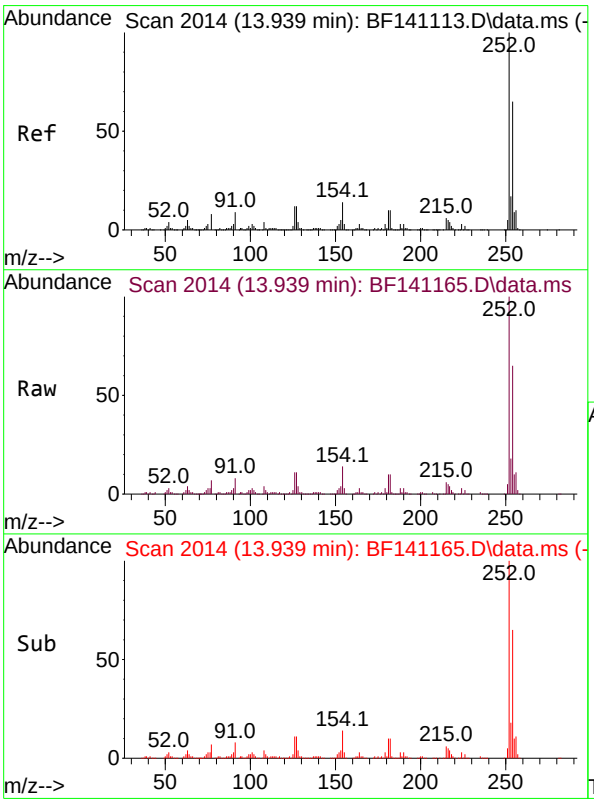

#81
Benzo(a)anthracene
Concen: 46.825 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:228 Resp: 1103435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.2 | 21.7 | 32.5 |
| 229 | 20.1 | 15.7 | 23.5 |

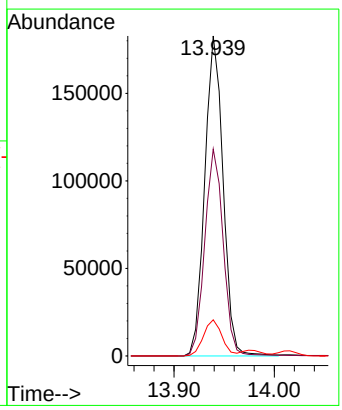


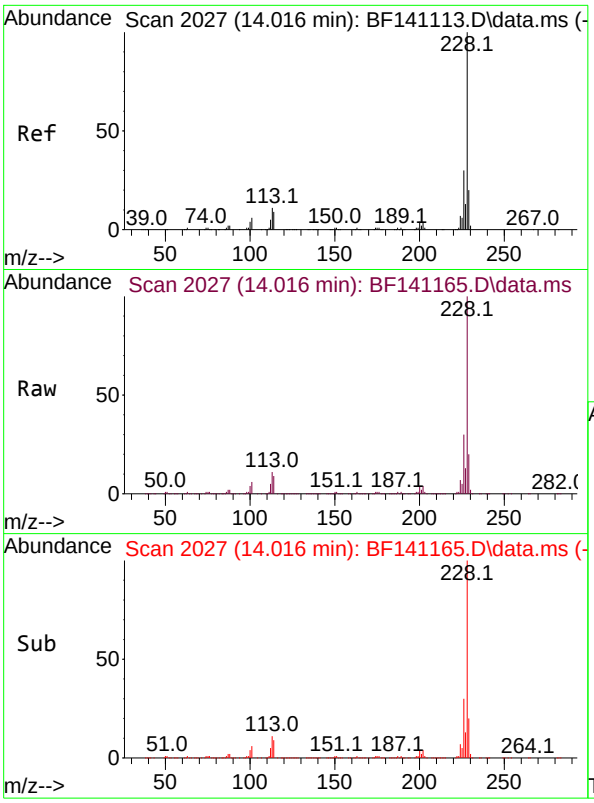




#82
3,3'-Dichlorobenzidine
Concen: 31.049 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:252 Resp: 232976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.7 | 52.0 | 78.0 |
| 126 | 11.3 | 9.4 | 14.0 |



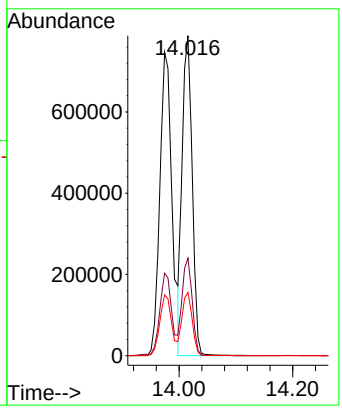


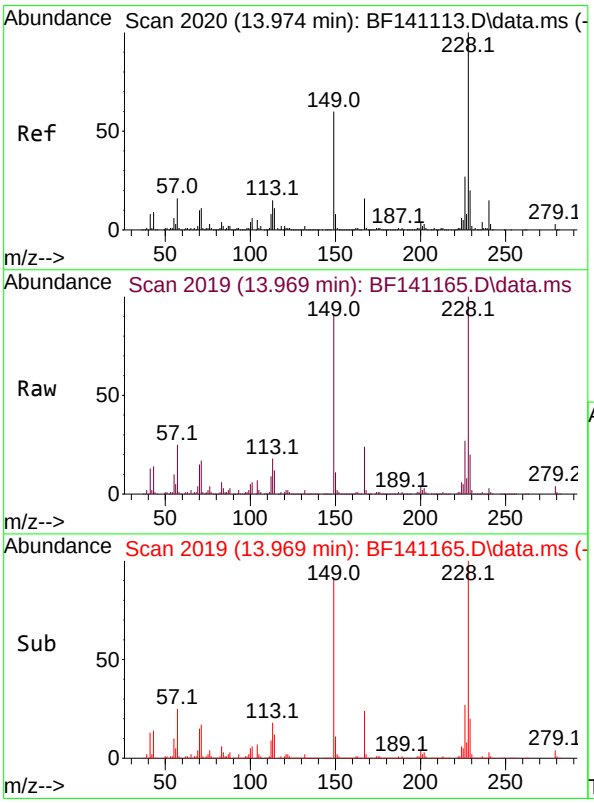

#83
Chrysene
Concen: 43.571 ng
RT: 14.016 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:228 Resp: 960710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 23.8 | 35.8 |
| 229 | 19.8 | 15.8 | 23.8 |

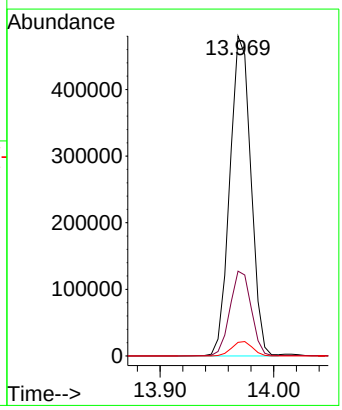


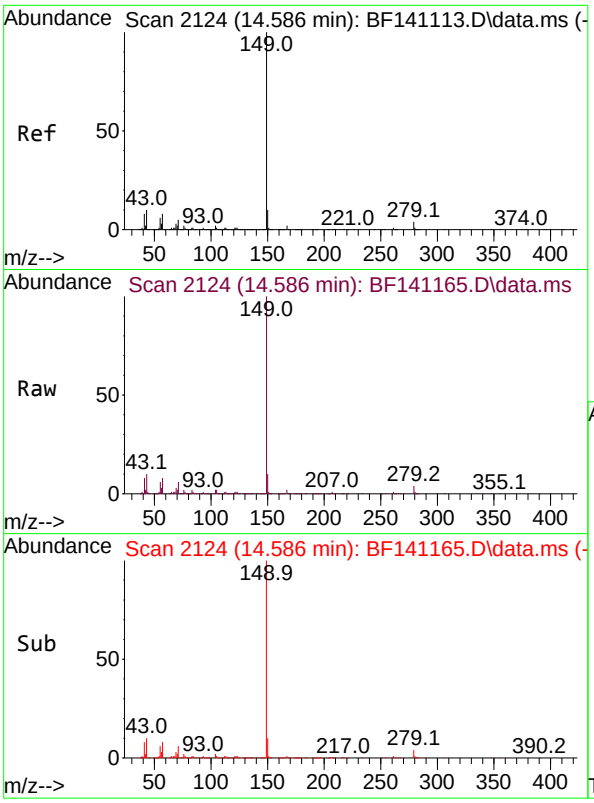




#84
Bis(2-ethylhexyl)phthalate
Concen: 46.753 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:149 Resp: 618547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.5 | 21.4 | 32.2 |
| 279 | 4.2 | 3.4 | 5.2 |



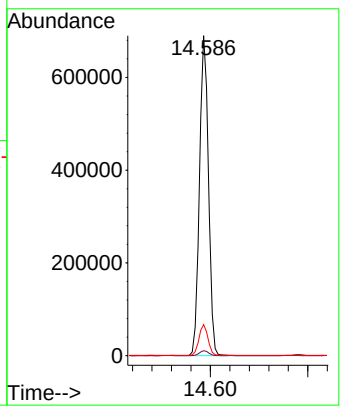


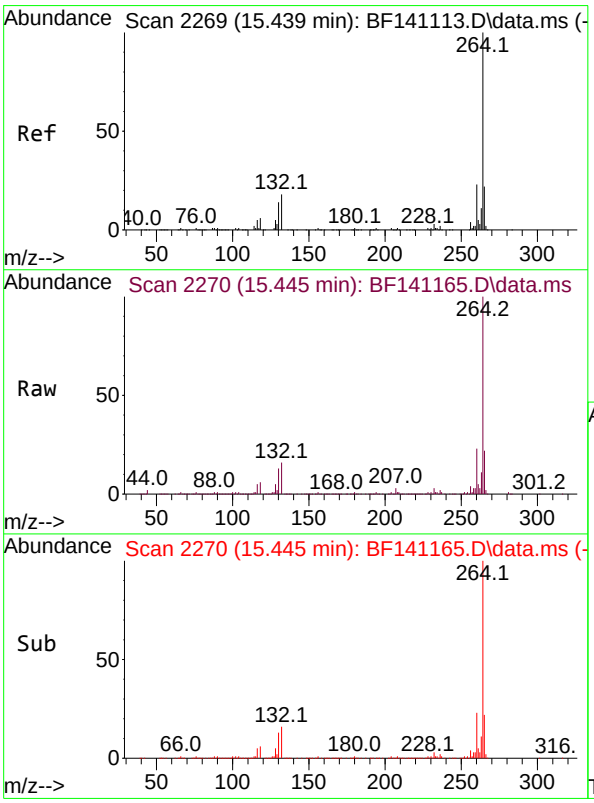

#85
Di-n-octyl phthalate
Concen: 44.131 ng
RT: 14.586 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:149 Resp: 881680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.7 | 8.4 | 12.6 |

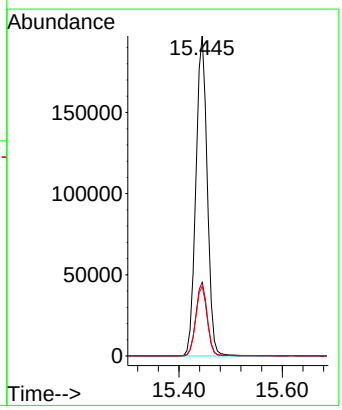


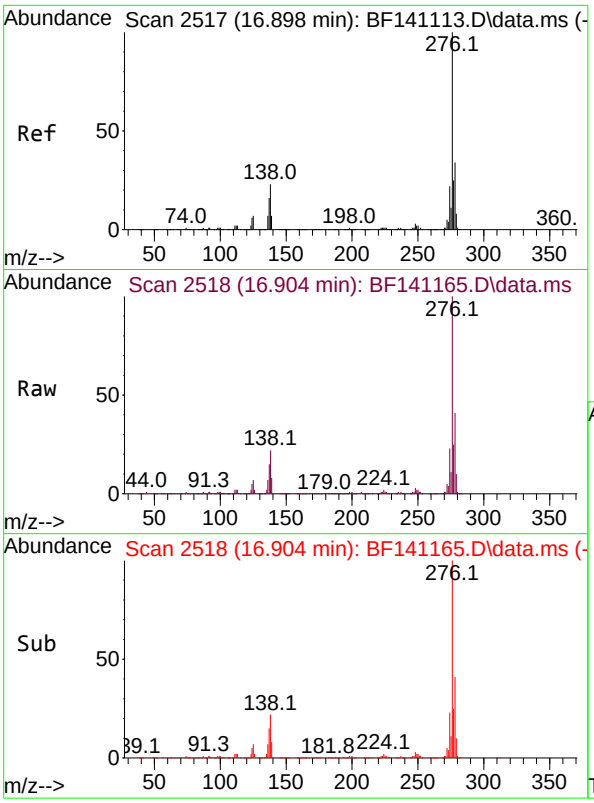




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:264 Resp: 300143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 18.6 | 28.0 |
| 265 | 21.8 | 17.4 | 26.0 |



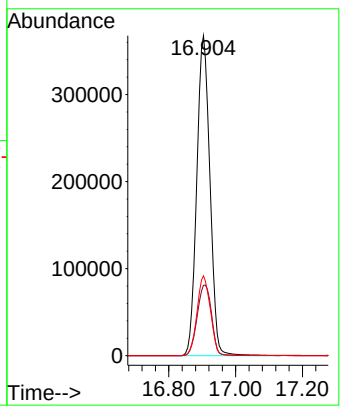


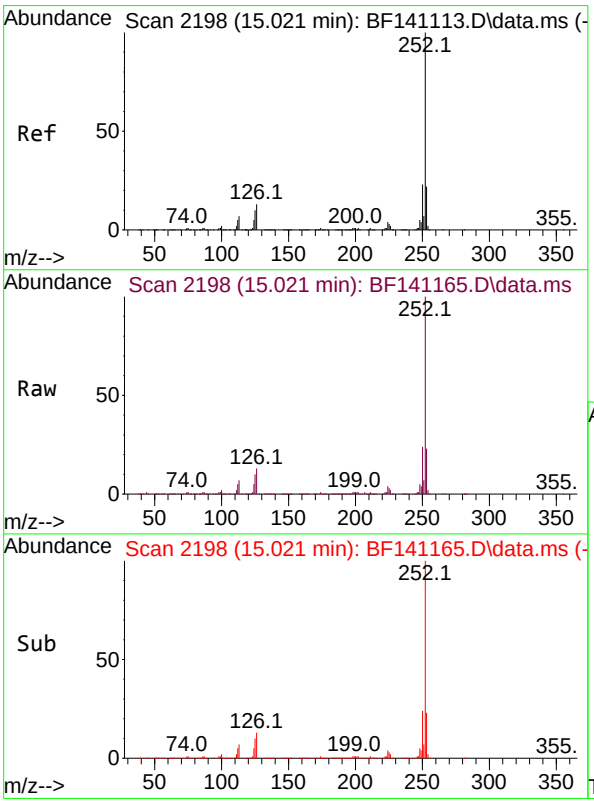

#87
Indeno(1,2,3-cd)pyrene
Concen: 45.691 ng
RT: 16.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:276 Resp: 1004718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.1 | 20.7 | 31.1 |
| 277 | 25.3 | 20.6 | 30.8 |

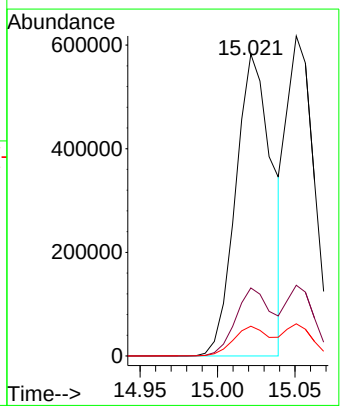


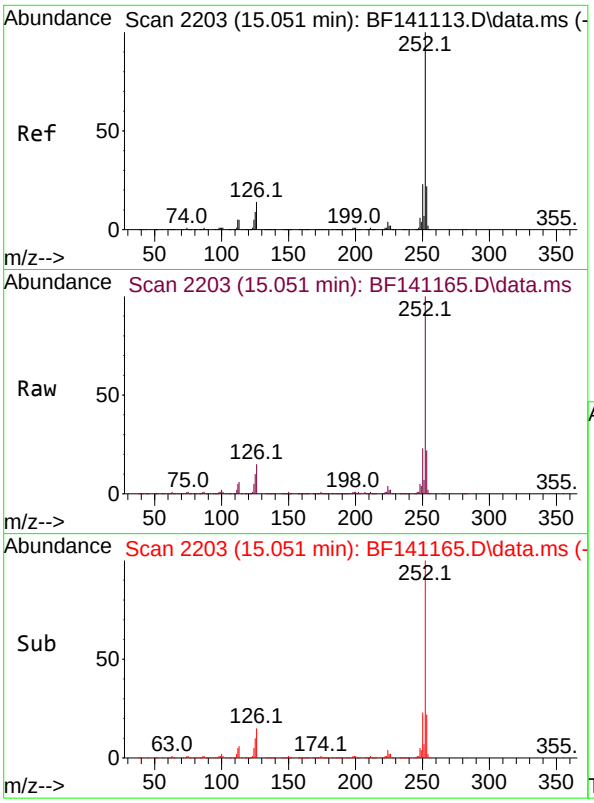




#88
Benzo(b)fluoranthene
Concen: 49.075 ng
RT: 15.021 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:252 Resp: 949809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.8 | 26.6 |
| 125 | 9.9 | 8.1 | 12.1 |



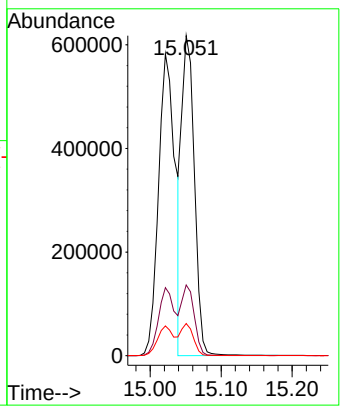


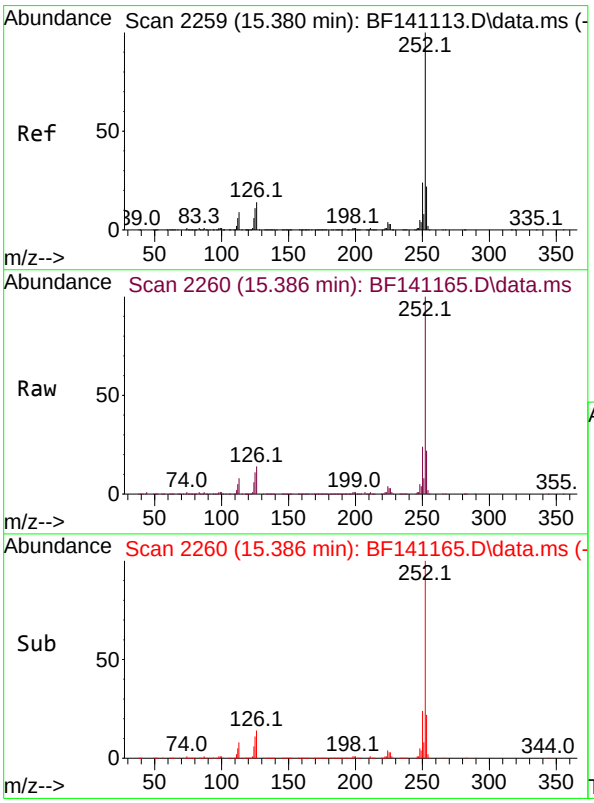

#89
Benzo(k)fluoranthene
Concen: 46.966 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:252 Resp: 768181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.8 | 26.8 |
| 125 | 10.0 | 7.9 | 11.9 |

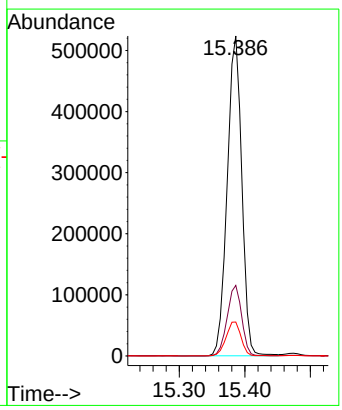


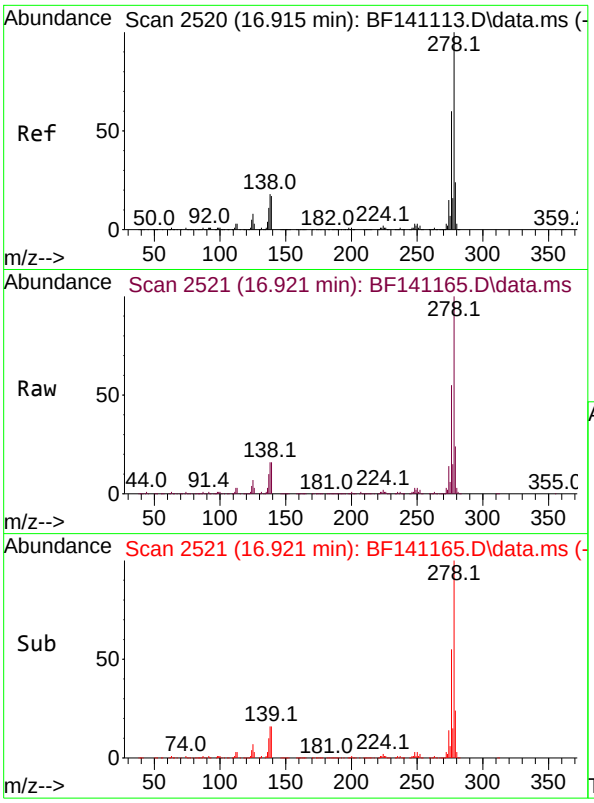




#90
Benzo(a)pyrene
Concen: 50.551 ng
RT: 15.386 min Scan# 2260
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:252 Resp: 807216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.7 | 26.5 |
| 125 | 10.6 | 9.1 | 13.7 |



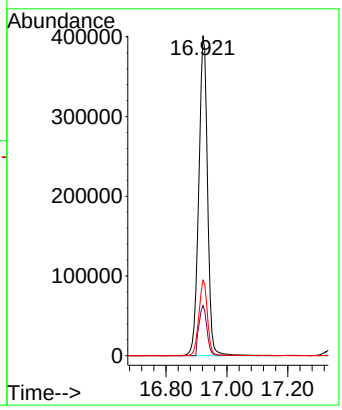


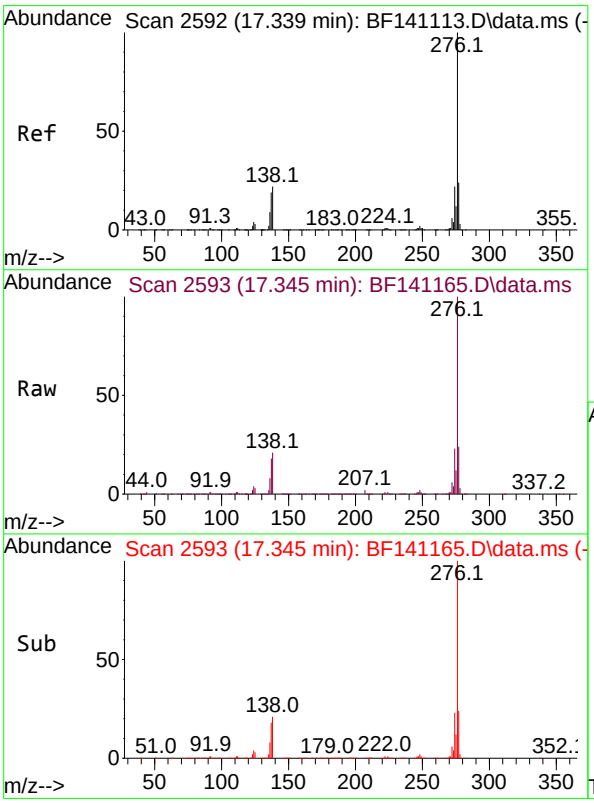

#91
Dibenzo(a,h)anthracene
Concen: 45.345 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:278 Resp: 806473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.7 | 13.8 | 20.6 |
| 279 | 23.5 | 19.1 | 28.7 |

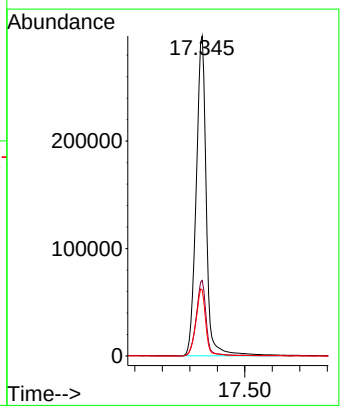



#92
Benzo(g,h,i)perylene
Concen: 41.176 ng
RT: 17.345 min Scan# 2593
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:276 Resp: 761728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 19.0 | 28.4 |
| 138 | 20.7 | 17.4 | 26.2 |



Raw Data: **BF141172.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB166061BS | SDG No.: | Q1069 |
| Lab Sample ID: | PB166061BS | 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 |
|---|---|---|---|---|
| BF141172.D | 1 | 01/15/25 09:15 | 01/15/25 13:38 | PB166061 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 310 | J | 180 | 270 | 330 | ug/Kg |
| 108-95-2 | Phenol | 1700 | | 82.9 | 130 | 170 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 1600 | | 83.7 | 130 | 170 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 1700 | | 83.5 | 130 | 170 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 1700 | | 80.6 | 130 | 170 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 1600 | | 90.9 | 130 | 170 | ug/Kg |
| 98-86-2 | Acetophenone | 1700 | | 86.9 | 130 | 170 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 1700 | | 79.8 | 270 | 330 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1600 | | 40.3 | 80.0 | 80.0 | ug/Kg |
| 67-72-1 | Hexachloroethane | 1600 | | 83.0 | 130 | 170 | ug/Kg |
| 98-95-3 | Nitrobenzene | 1600 | | 90.8 | 130 | 170 | ug/Kg |
| 78-59-1 | Isophorone | 1700 | | 84.6 | 130 | 170 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 1800 | | 94.5 | 130 | 170 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 2000 | | 93.2 | 130 | 170 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1600 | | 85.8 | 130 | 170 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 1700 | | 75.5 | 130 | 170 | ug/Kg |
| 91-20-3 | Naphthalene | 1700 | | 82.6 | 130 | 170 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 690 | | 82.6 | 130 | 170 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 1600 | | 83.3 | 130 | 170 | ug/Kg |
| 105-60-2 | Caprolactam | 1700 | | 86.8 | 270 | 330 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 1700 | | 77.5 | 130 | 170 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 1700 | | 82.5 | 130 | 170 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 6300 | E | 160 | 270 | 330 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 1800 | | 71.4 | 130 | 170 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 1700 | | 74.0 | 130 | 170 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 1700 | | 87.4 | 130 | 170 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 1600 | | 83.3 | 130 | 170 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 1700 | | 95.0 | 130 | 170 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 1700 | | 81.7 | 130 | 170 | ug/Kg |

Raw Data: **BF141172.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB166061BS | SDG No.: | Q1069 |
| Lab Sample ID: | PB166061BS | 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 |
|---|---|---|---|---|
| BF141172.D | 1 | 01/15/25 09:15 | 01/15/25 13:38 | PB166061 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 1800 | | 86.5 | 130 | 170 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 1700 | | 83.2 | 130 | 170 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 960 | | 89.2 | 130 | 170 | ug/Kg |
| 83-32-9 | Acenaphthene | 1900 | | 81.1 | 130 | 170 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 4100 | E | 240 | 270 | 330 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 3700 | E | 120 | 270 | 330 | ug/Kg |
| 132-64-9 | Dibenzofuran | 1700 | | 84.4 | 130 | 170 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 1800 | | 86.2 | 130 | 170 | ug/Kg |
| 84-66-2 | Diethylphthalate | 1700 | | 80.1 | 130 | 170 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1700 | | 85.6 | 130 | 170 | ug/Kg |
| 86-73-7 | Fluorene | 1700 | | 85.5 | 130 | 170 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 1700 | | 110 | 130 | 170 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 2000 | | 120 | 270 | 330 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 1700 | | 81.6 | 130 | 170 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 1700 | | 78.9 | 130 | 170 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 1800 | | 85.0 | 130 | 170 | ug/Kg |
| 1912-24-9 | Atrazine | 2200 | | 91.4 | 130 | 170 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 3500 | E | 77.3 | 270 | 330 | ug/Kg |
| 85-01-8 | Phenanthrene | 1800 | | 84.0 | 130 | 170 | ug/Kg |
| 120-12-7 | Anthracene | 1900 | | 84.4 | 130 | 170 | ug/Kg |
| 86-74-8 | Carbazole | 1800 | | 80.3 | 130 | 170 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 1700 | | 84.3 | 130 | 170 | ug/Kg |
| 206-44-0 | Fluoranthene | 1900 | | 81.7 | 130 | 170 | ug/Kg |
| 129-00-0 | Pyrene | 1700 | | 83.0 | 130 | 170 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 1800 | | 96.8 | 130 | 170 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 1100 | | 98.6 | 270 | 330 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 1700 | | 80.7 | 130 | 170 | ug/Kg |
| 218-01-9 | Chrysene | 1700 | | 79.5 | 130 | 170 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 1700 | | 91.0 | 130 | 170 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 1700 | | 110 | 270 | 330 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 1800 | | 81.1 | 130 | 170 | ug/Kg |

Raw Data: **BF141172.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB166061BS | SDG No.: | Q1069 |
| Lab Sample ID: | PB166061BS | 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 |
|---|---|---|---|---|
| BF141172.D | 1 | 01/15/25 09:15 | 01/15/25 13:38 | PB166061 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 1800 | | 82.6 | 130 | 170 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 1900 | | 93.0 | 130 | 170 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1700 | | 78.1 | 130 | 170 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 1700 | | 81.2 | 130 | 170 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 1500 | | 80.1 | 130 | 170 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 1700 | | 86.8 | 130 | 170 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 1400 | | 110 | 130 | 170 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 1800 | | 74.7 | 130 | 170 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 139 | | 35 - 115 | | 92% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 138 | | 34 - 127 | | 92% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 95.6 | | 37 - 122 | | 96% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 94.8 | | 44 - 115 | | 95% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 156 | | 39 - 132 | | 104% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 96.5 | | 54 - 127 | | 97% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 126000 | 6.822 | | | | |
| 1146-65-2 | Naphthalene-d8 | 495000 | 8.104 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 264000 | 9.863 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 453000 | 11.345 | | | | |
| 1719-03-5 | Chrysene-d12 | 303000 | 13.986 | | | | |
| 1520-96-3 | Perylene-d12 | 262000 | 15.445 | | | | |

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\BF011525\
Data File : BF141172.D
Acq On : 15 Jan 2025 13:38
Operator : RC/JU
Sample : PB166061BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Quant Time: Jan 15 14:09:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 125655 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 494978 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.863 | 164 | 264175 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 452645 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.986 | 240 | 303424 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.445 | 264 | 262459 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.440 | 112 | 1127705 | 138.640 | ng | | 0.01 |
| 7) Phenol-d6 | 6.445 | 99 | 1424904 | 138.293 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.381 | 82 | 892254 | 95.554 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.651 | 330 | 468311 | 155.580 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.181 | 172 | 1639957 | 94.797 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 1970268 | 96.512 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.628 | 88 | 156795 | 43.287 | ng | | 100 |
| 3) Pyridine | 3.363 | 79 | 388416 | 43.728 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.316 | 42 | 215018 | 49.507 | ng | | 99 |
| 6) Aniline | 6.481 | 93 | 353898 | 38.687 | ng | | 98 |
| 8) 2-Chlorophenol | 6.604 | 128 | 457309 | 52.403 | ng | | 96 |
| 9) Benzaldehyde | 6.363 | 77 | 55655 | 9.171 | ng | | 99 |
| 10) Phenol | 6.463 | 94 | 557434 | 50.540 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.557 | 93 | 406930 | 49.507 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.757 | 146 | 472098 | 48.504 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.839 | 146 | 481103 | 49.051 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.987 | 146 | 459155 | 50.186 | ng | | 99 |
| 15) Benzyl Alcohol | 6.963 | 79 | 383977 | 51.604 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.092 | 45 | 550143 | 47.963 | ng | | 97 |
| 17) 2-Methylphenol | 7.069 | 107 | 364075 | 51.675 | ng | | 99 |
| 18) Hexachloroethane | 7.334 | 117 | 172983 | 48.770 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.234 | 70 | 298704 | 49.215 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.222 | 107 | 456394 | 51.345 | ng | | 91 |
| 22) Acetophenone | 7.228 | 105 | 594750 | 50.545 | ng | # | 95 |
| 24) Nitrobenzene | 7.404 | 77 | 470238 | 48.319 | ng | | 99 |
| 25) Isophorone | 7.639 | 82 | 811569 | 50.857 | ng | | 99 |
| 26) 2-Nitrophenol | 7.716 | 139 | 236745 | 53.479 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.751 | 122 | 361074 | 60.469 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.851 | 93 | 492644 | 49.192 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.957 | 162 | 371144 | 52.334 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 389479 | 48.047 | ng | | 99 |
| 31) Naphthalene | 8.128 | 128 | 1300768 | 49.832 | ng | | 99 |
| 32) Benzoic acid | 7.869 | 122 | 286894 | 50.086 | ng | | 99 |
| 33) 4-Chloroaniline | 8.169 | 127 | 186433 | 20.652 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.239 | 225 | 235776 | 48.271 | ng | | 99 |
| 35) Caprolactam | 8.539 | 113 | 121929m | 52.514 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.657 | 107 | 403179 | 51.983 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 845856 | 50.852 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 784309 | 47.844 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.980 | 216 | 385980 | 50.905 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 465991 | 187.848 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 272398 | 53.267 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141172.D
Acq On : 15 Jan 2025 13:38
Operator : RC/JU
Sample : PB166061BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Quant Time: Jan 15 14:09:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

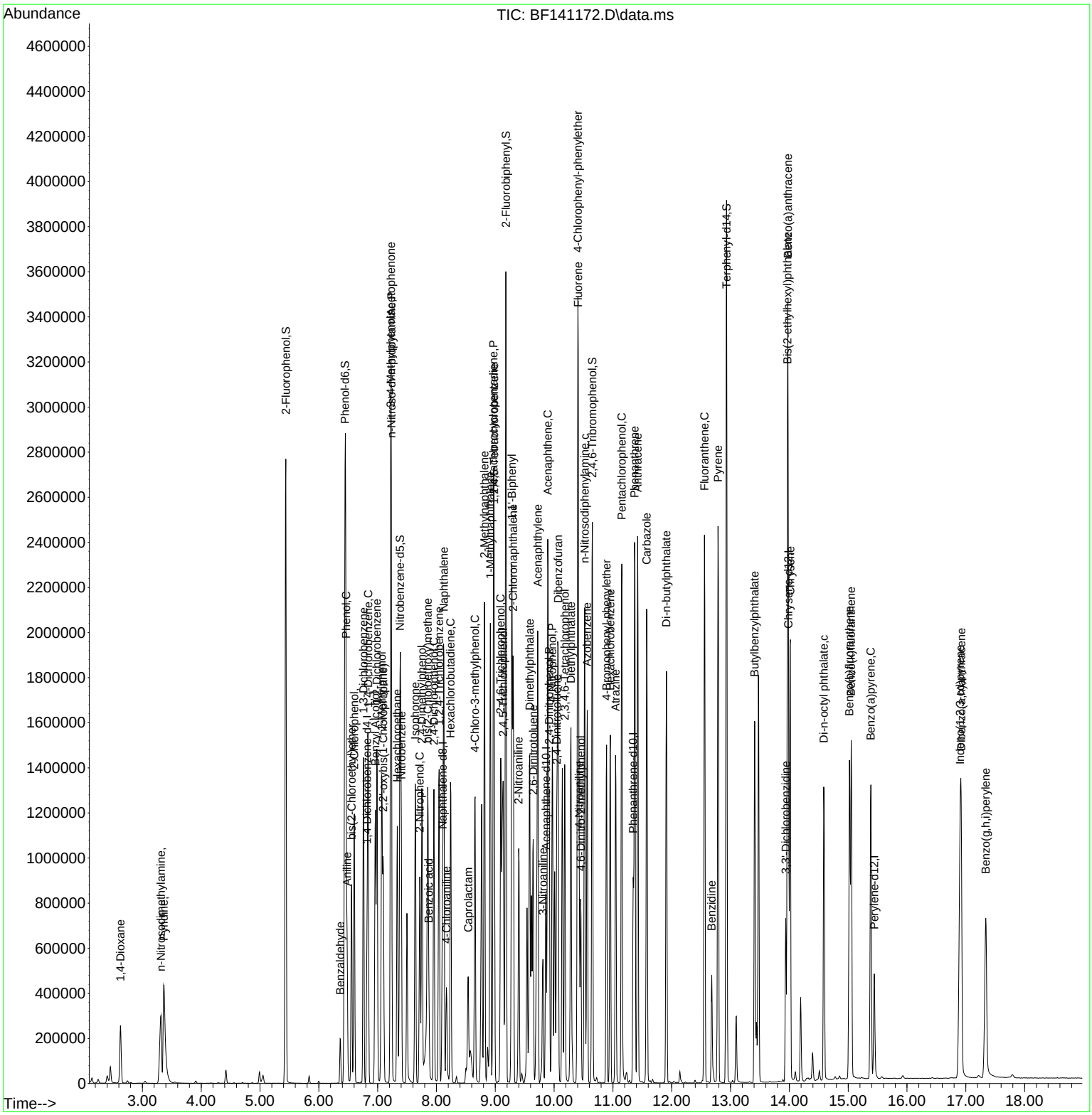
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.133 | 196 | 270073 | 50.006 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.280 | 154 | 1016465 | 49.545 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.304 | 162 | 777411 | 48.651 | ng | 100 |
| 48) 2-Nitroaniline | 9.398 | 65 | 247443 | 52.239 | ng | 99 |
| 49) Acenaphthylene | 9.722 | 152 | 1221518 | 53.506 | ng | 99 |
| 50) Dimethylphthalate | 9.586 | 163 | 893858 | 50.400 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.645 | 165 | 207427 | 50.295 | ng | 99 |
| 52) Acenaphthene | 9.892 | 154 | 918132 | 57.563 | ng | 100 |
| 53) 3-Nitroaniline | 9.810 | 138 | 120126 | 28.662 | ng | 97 |
| 54) 2,4-Dinitrophenol | 9.916 | 184 | 239218 | 122.030 | ng | 97 |
| 55) Dibenzofuran | 10.069 | 168 | 1106789 | 51.016 | ng | 99 |
| 56) 4-Nitrophenol | 9.969 | 139 | 364246 | 110.972 | ng | 94 |
| 57) 2,4-Dinitrotoluene | 10.045 | 165 | 288706 | 54.319 | ng | 99 |
| 58) Fluorene | 10.410 | 166 | 853769 | 50.654 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.180 | 232 | 242021 | 53.911 | ng | 99 |
| 60) Diethylphthalate | 10.286 | 149 | 860679 | 49.710 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204 | 412896 | 50.262 | ng | 99 |
| 62) 4-Nitroaniline | 10.427 | 138 | 212430 | 51.787 | ng | 98 |
| 63) Azobenzene | 10.563 | 77 | 854110 | 49.994 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198 | 159388 | 60.767 | ng | 94 |
| 66) n-Nitrosodiphenylamine | 10.522 | 169 | 760298 | 52.076 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 265942 | 51.032 | ng | 98 |
| 68) Hexachlorobenzene | 10.957 | 284 | 308124 | 53.114 | ng | 98 |
| 69) Atrazine | 11.045 | 200 | 256384 | 65.219 | ng | 99 |
| 70) Pentachlorophenol | 11.151 | 266 | 392836 | 105.741 | ng | 99 |
| 71) Phenanthrene | 11.369 | 178 | 1319932 | 54.316 | ng | 100 |
| 72) Anthracene | 11.422 | 178 | 1332321 | 56.385 | ng | 99 |
| 73) Carbazole | 11.574 | 167 | 1198881 | 55.334 | ng | 99 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 1286652 | 51.891 | ng | 100 |
| 75) Fluoranthene | 12.557 | 202 | 1388188 | 57.245 | ng | 99 |
| 77) Benzidine | 12.680 | 184 | 268054 | 47.639 | ng | 100 |
| 78) Pyrene | 12.786 | 202 | 1436638 | 49.572 | ng | 100 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 508795 | 52.657 | ng | 98 |
| 81) Benzo(a)anthracene | 13.974 | 228 | 1046000 | 50.654 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.939 | 252 | 214412 | 32.609 | ng | 100 |
| 83) Chrysene | 14.015 | 228 | 998963 | 51.701 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149 | 604164 | 52.112 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.586 | 149 | 881079 | 50.327 | ng | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 16.904 | 276 | 975311 | 50.722 | ng | 98 |
| 88) Benzo(b)fluoranthene | 15.021 | 252 | 939329 | 55.502 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.051 | 252 | 767255 | 53.645 | ng | 99 |
| 90) Benzo(a)pyrene | 15.386 | 252 | 809001 | 57.937 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.921 | 278 | 792781 | 50.976 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.339 | 276 | 723237 | 44.709 | ng | 99 |

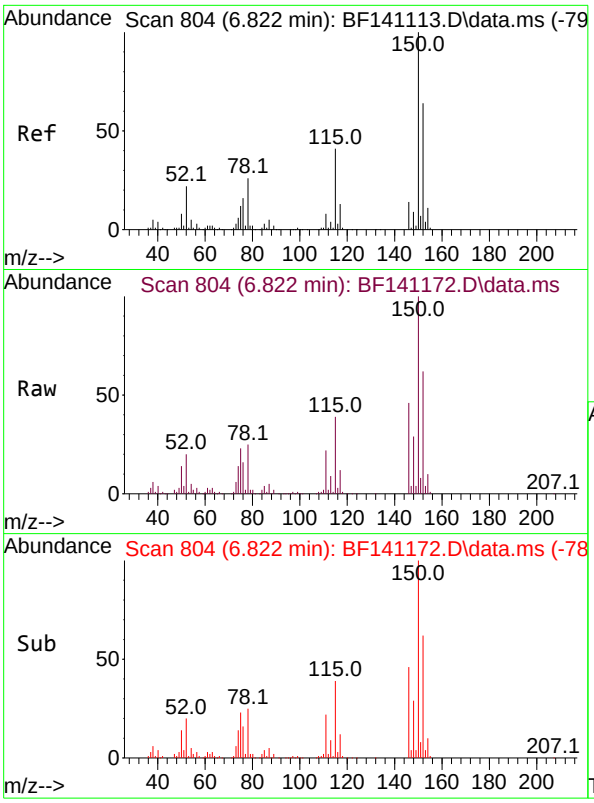
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141172.D
Acq On : 15 Jan 2025 13:38
Operator : RC/JU
Sample : PB166061BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Quant Time: Jan 15 14:09:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



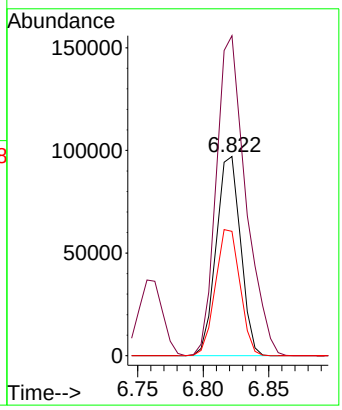


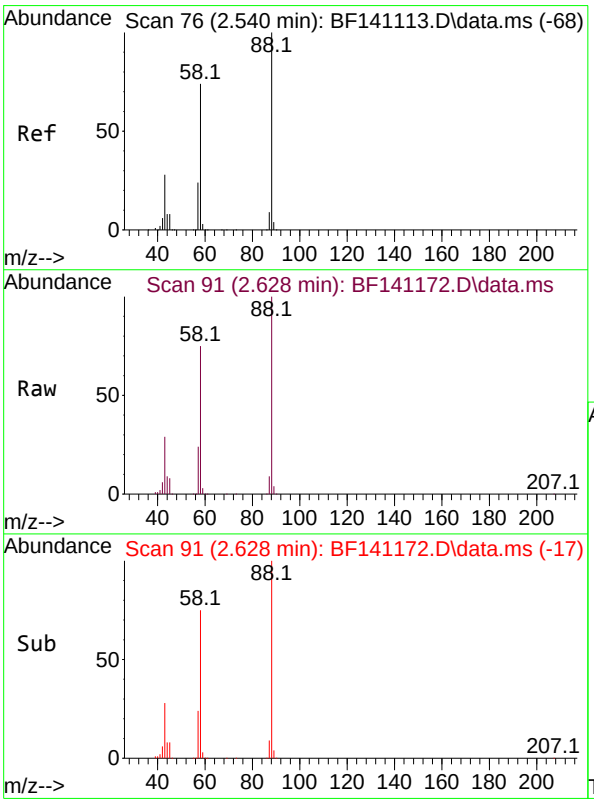

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:152 Resp: 125655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.7 | 125.8 | 188.8 |
| 115 | 62.5 | 51.4 | 77.2 |

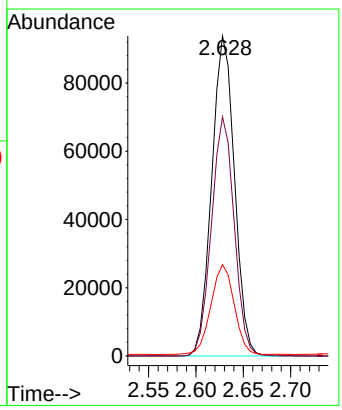


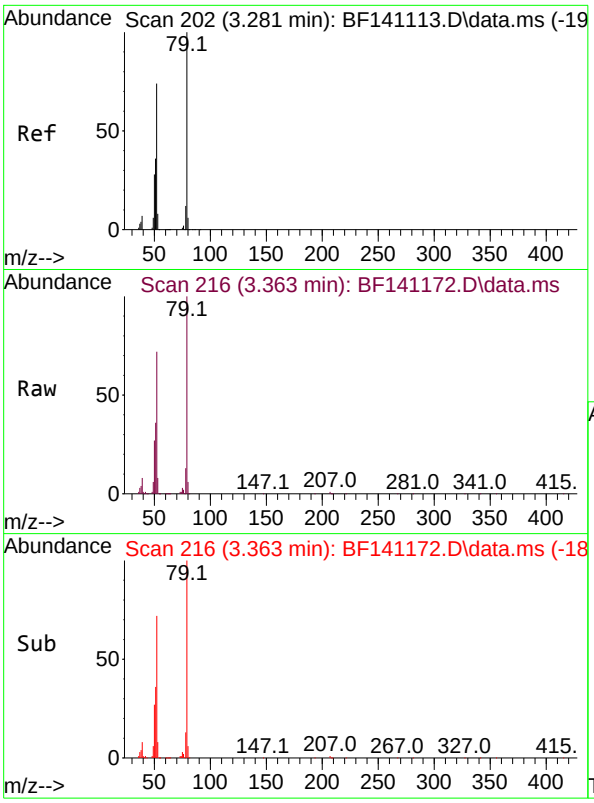




#2
1,4-Dioxane
Concen: 43.287 ng
RT: 2.628 min Scan# 91
Delta R.T. 0.088 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion: 88 Resp: 156795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.7 | 60.1 | 90.1 |
| 43 | 28.7 | 23.1 | 34.7 |



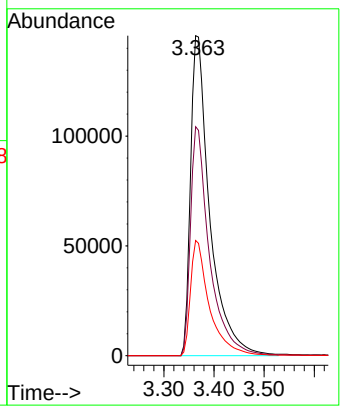


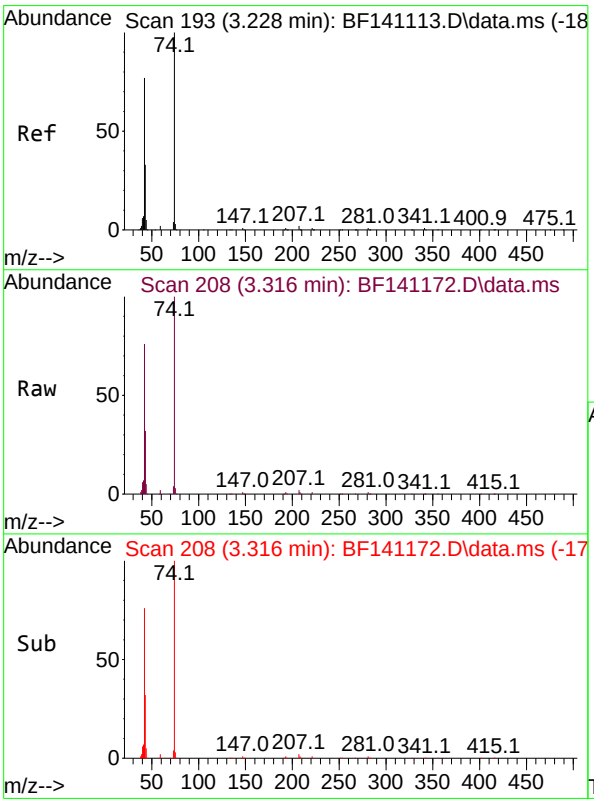

#3
Pyridine
Concen: 43.728 ng
RT: 3.363 min Scan# 21
Delta R.T. 0.082 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion: 79 Resp: 388416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 71.5 | 58.9 | 88.3 |
| 51 | 36.0 | 29.1 | 43.7 |

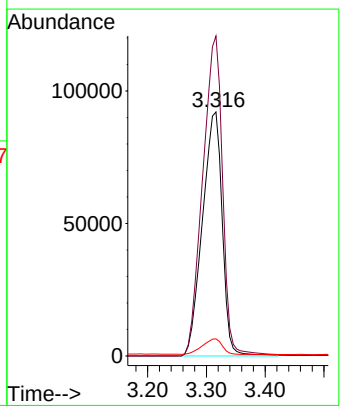


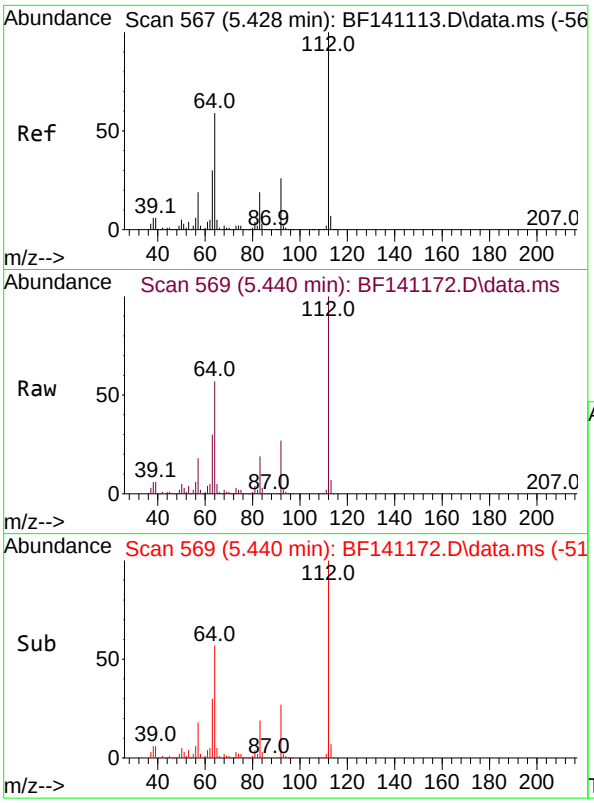




#4
n-Nitrosodimethylamine
Concen: 49.507 ng
RT: 3.316 min Scan# 208
Delta R.T. 0.088 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion: 42 Resp: 215018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 131.1 | 103.8 | 155.6 |
| 44 | 7.0 | 5.3 | 7.9 |



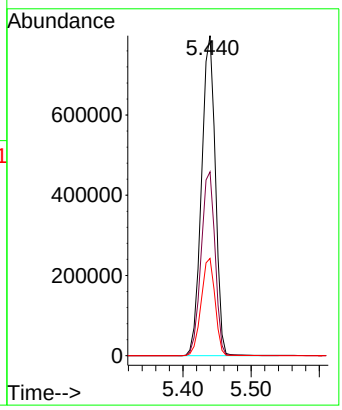


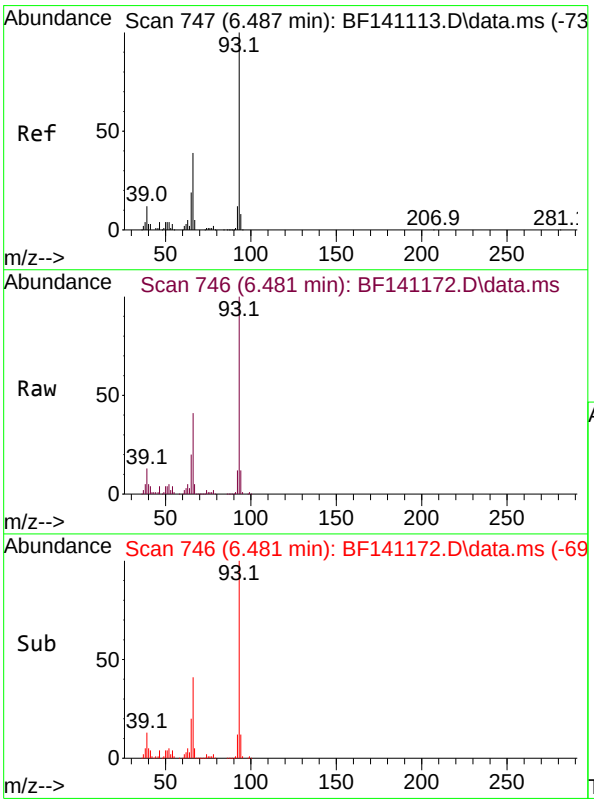

#5
2-Fluorophenol
Concen: 138.640 ng
RT: 5.440 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:112 Resp: 1127705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.5 | 47.3 | 70.9 |
| 63 | 30.4 | 24.2 | 36.2 |

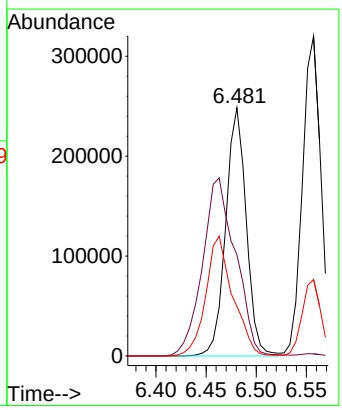


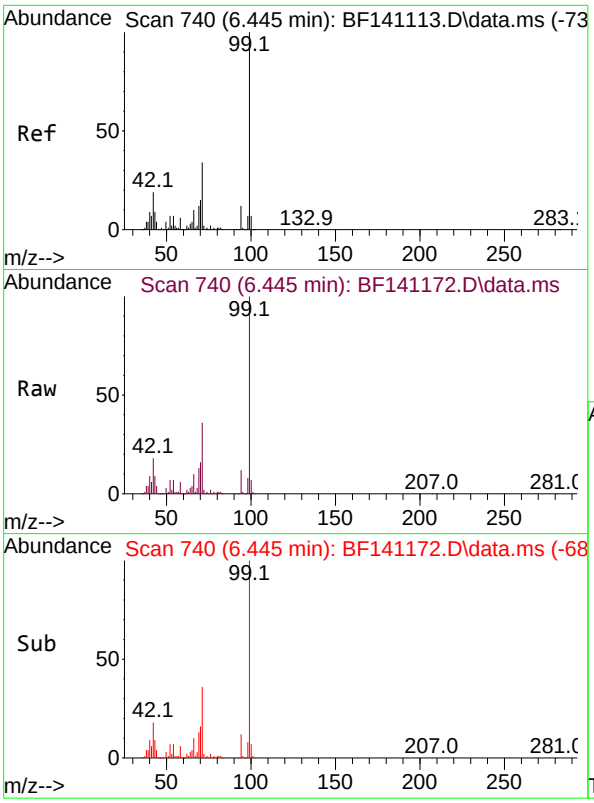




#6
Aniline
Concen: 38.687 ng
RT: 6.481 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion: 93 Resp: 353898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.8 | 31.5 | 47.3 |
| 65 | 20.0 | 15.3 | 22.9 |



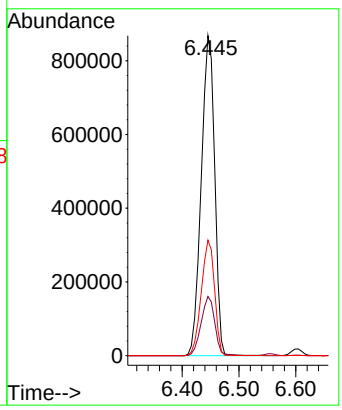


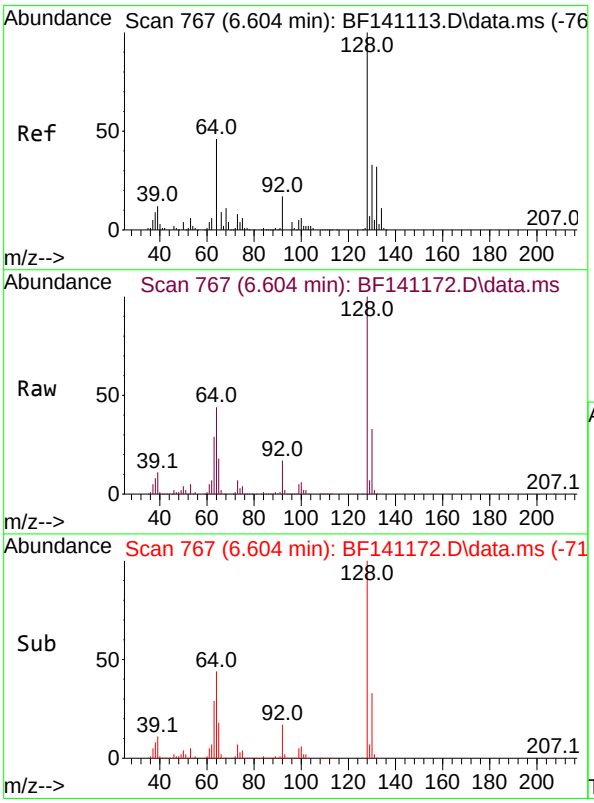

#7
Phenol-d6
Concen: 138.293 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion: 99 Resp: 1424904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.5 | 15.0 | 22.4 |
| 71 | 36.1 | 27.6 | 41.4 |

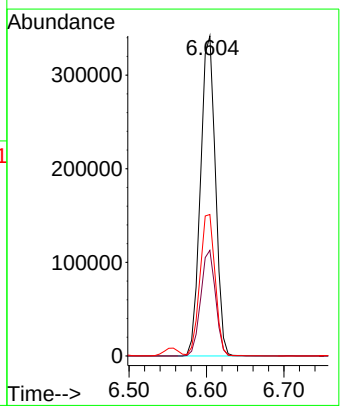


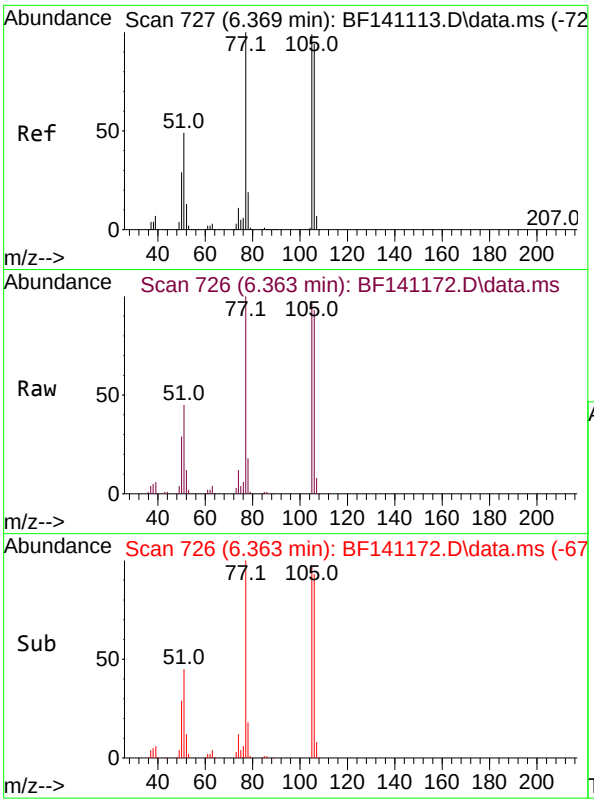




#8
2-Chlorophenol
Concen: 52.403 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:128 Resp: 457309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.0 | 12.5 | 52.5 |
| 64 | 44.2 | 28.3 | 68.3 |



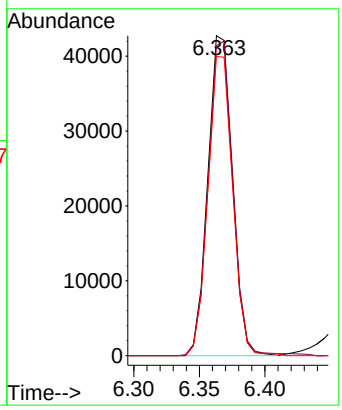


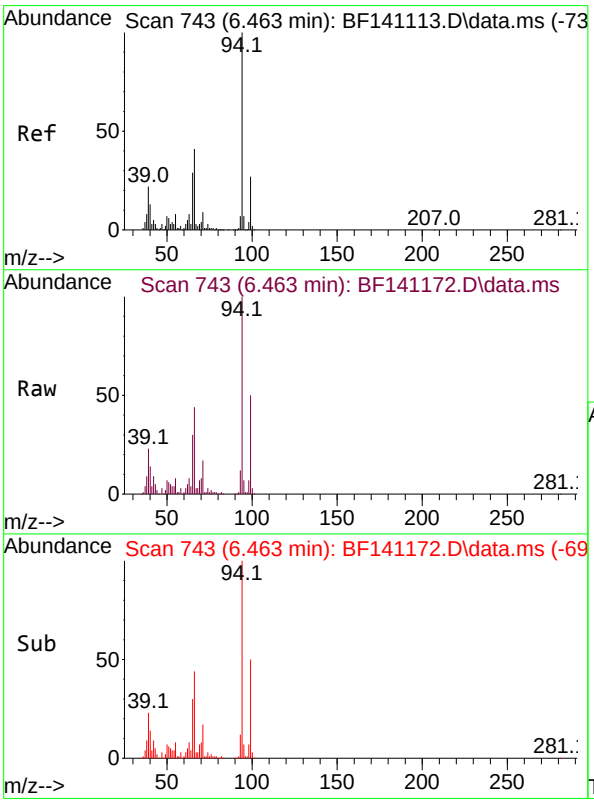

#9
Benzaldehyde
Concen: 9.171 ng
RT: 6.363 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion: 77 Resp: 55655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 96.9 | 78.9 | 118.9 |
| 106 | 93.5 | 73.6 | 113.6 |

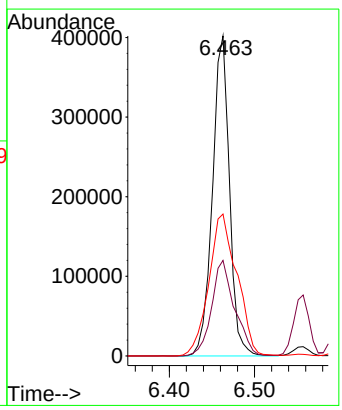


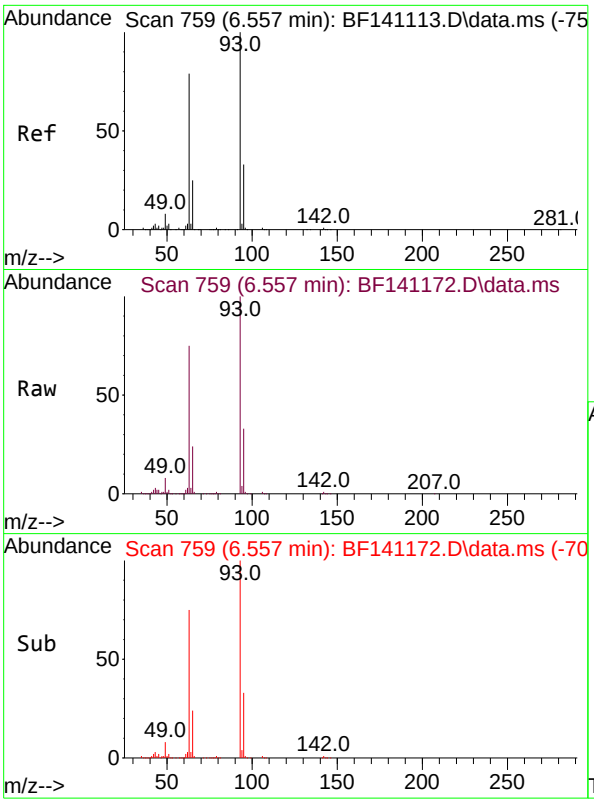




#10
Phenol
Concen: 50.540 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion: 94 Resp: 557434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.9 | 8.9 | 48.9 |
| 66 | 44.3 | 21.2 | 61.2 |



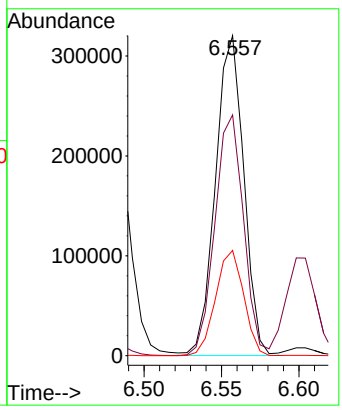


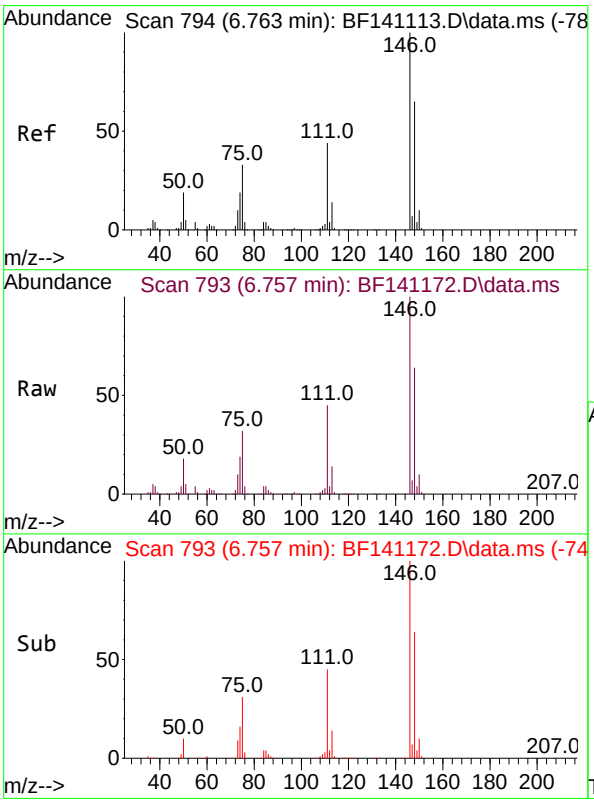

#11
bis(2-Chloroethyl)ether
Concen: 49.507 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion: 93 Resp: 406930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 75.2 | 58.0 | 98.0 |
| 95 | 32.9 | 12.5 | 52.5 |

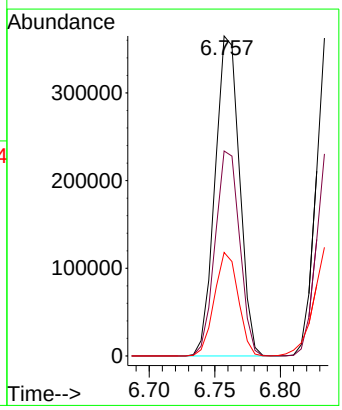


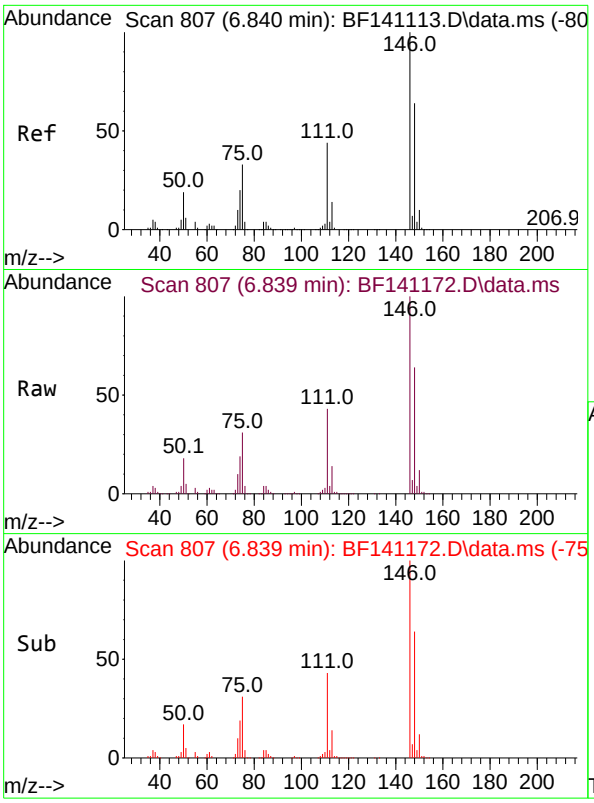




#12
1,3-Dichlorobenzene
Concen: 48.504 ng
RT: 6.757 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:146 Resp: 472098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.6 | 77.4 |
| 75 | 32.4 | 26.2 | 39.2 |



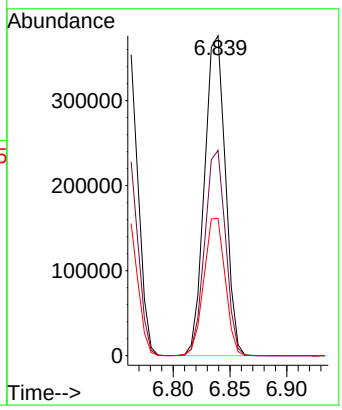


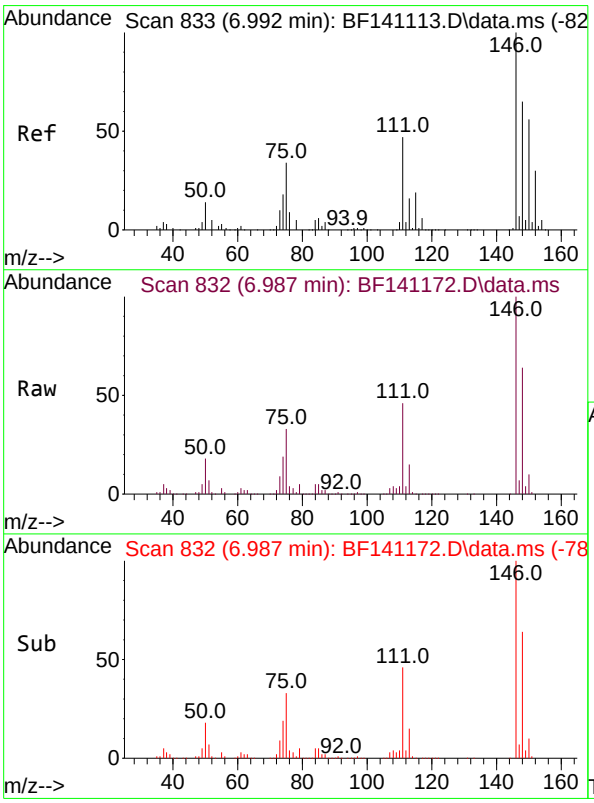

#13
1,4-Dichlorobenzene
Concen: 49.051 ng
RT: 6.839 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:146 Resp: 481103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.0 | 76.6 |
| 111 | 42.8 | 34.9 | 52.3 |

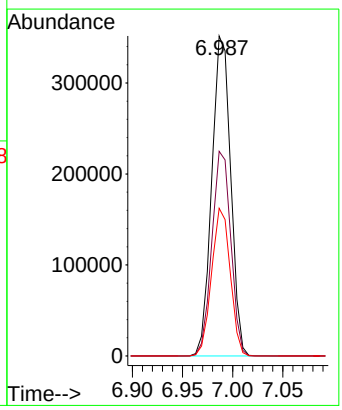


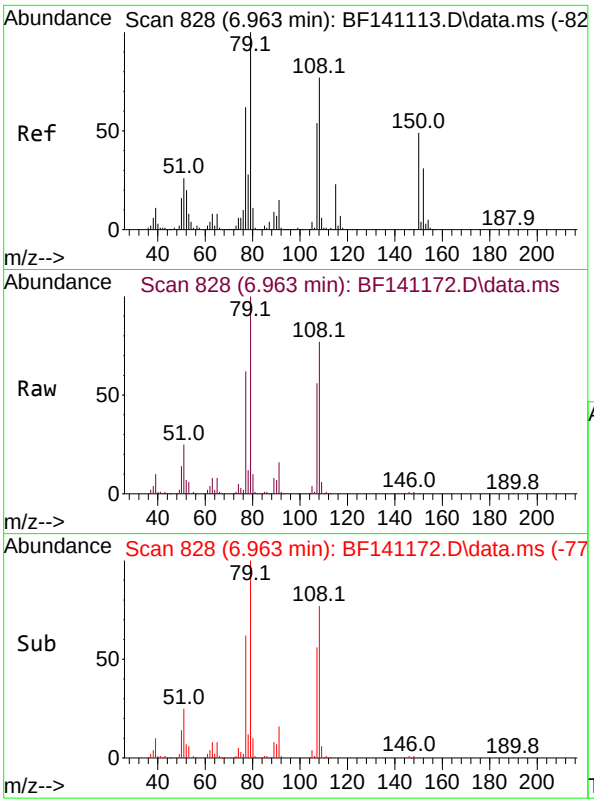




#14
1,2-Dichlorobenzene
Concen: 50.186 ng
RT: 6.987 min Scan# 832
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:146 Resp: 459155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 52.2 | 78.4 |
| 111 | 46.2 | 37.5 | 56.3 |



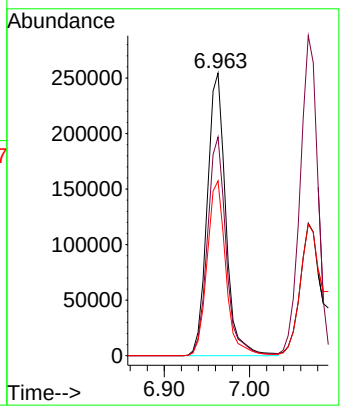


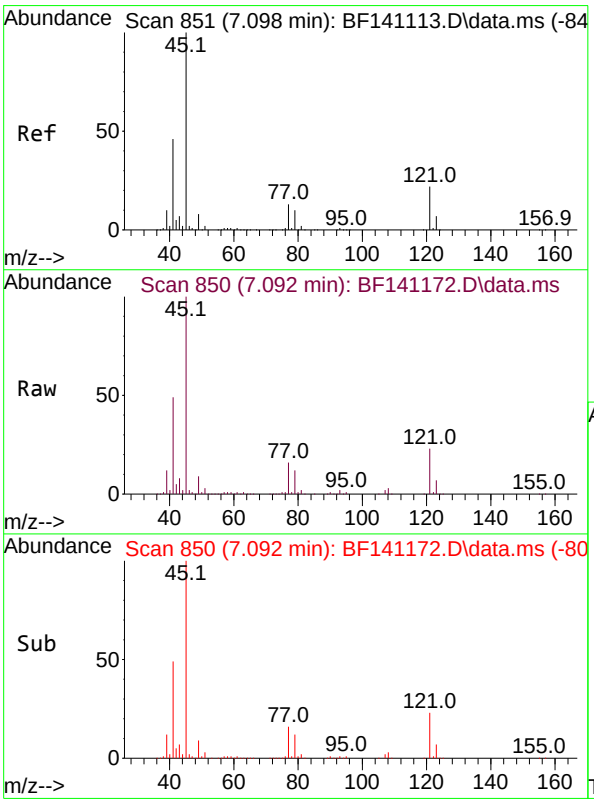

#15
Benzyl Alcohol
Concen: 51.604 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion: 79 Resp: 383977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 77.4 | 61.4 | 92.0 |
| 77 | 61.9 | 49.8 | 74.6 |

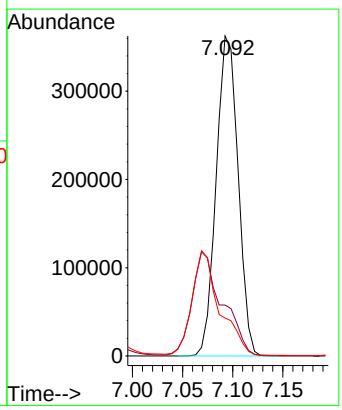


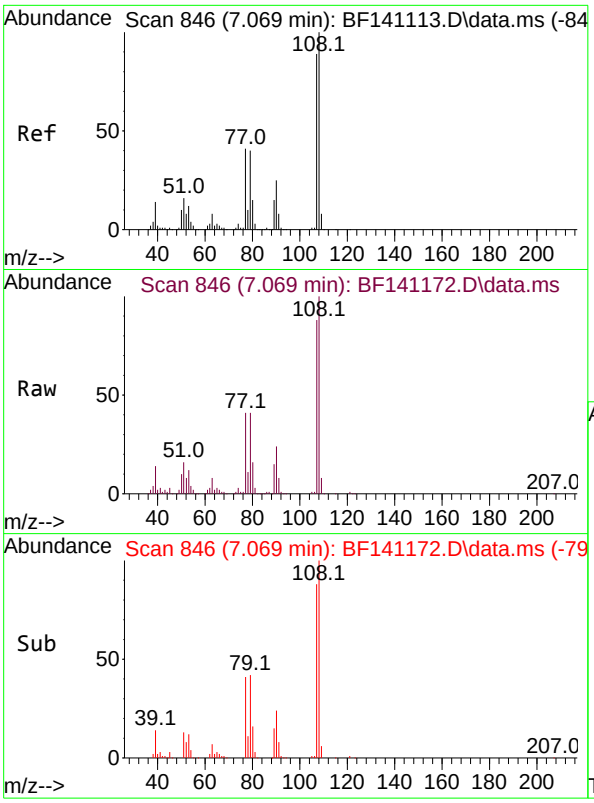




#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.963 ng
RT: 7.092 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion: 45 Resp: 550143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 15.9 | 0.0 | 34.1 |
| 79 | 11.9 | 0.0 | 31.0 |



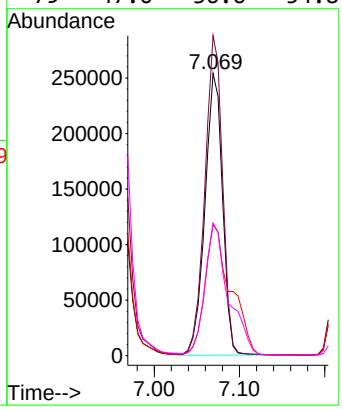


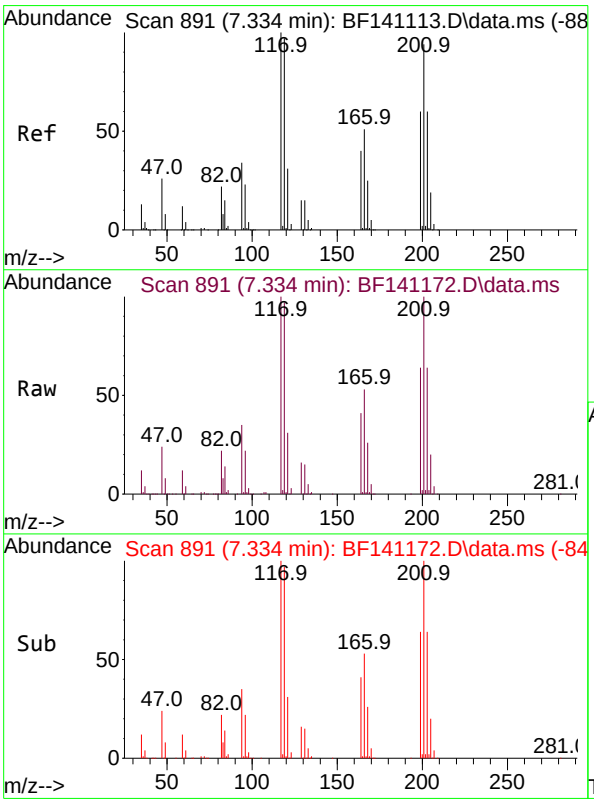

#17
2-Methylphenol
Concen: 51.675 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:107 Resp: 364075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.4 | 90.1 | 135.1 |
| 77 | 46.5 | 36.6 | 55.0 |
| 79 | 47.0 | 36.6 | 54.8 |

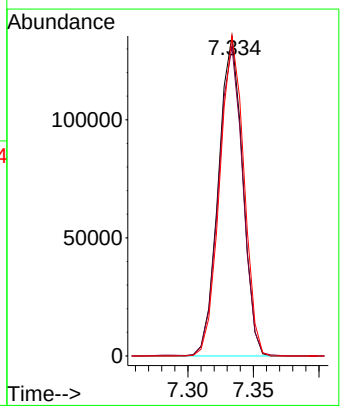


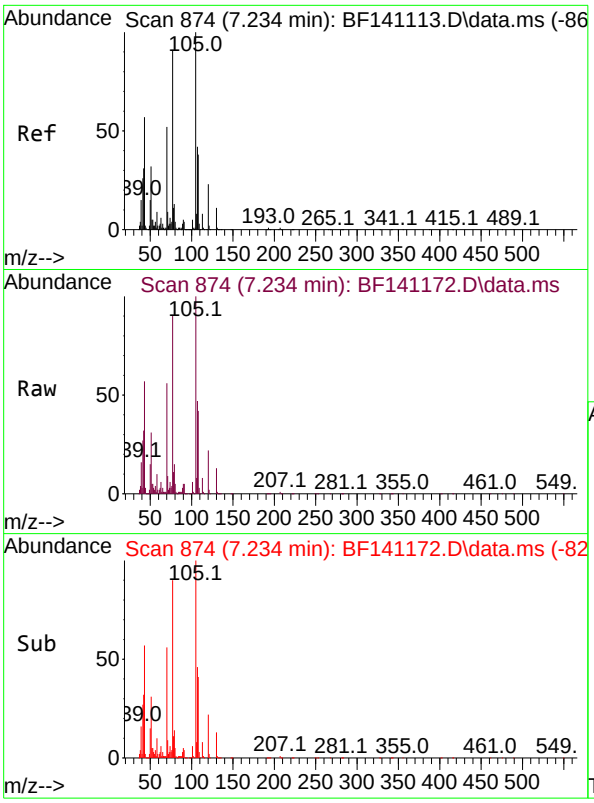




#18
Hexachloroethane
Concen: 48.770 ng
RT: 7.334 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:117 Resp: 172983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.7 | 77.6 | 116.4 |
| 201 | 100.0 | 75.1 | 112.7 |



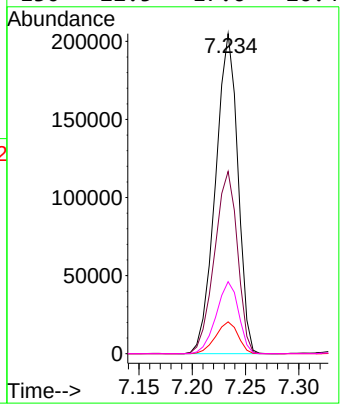


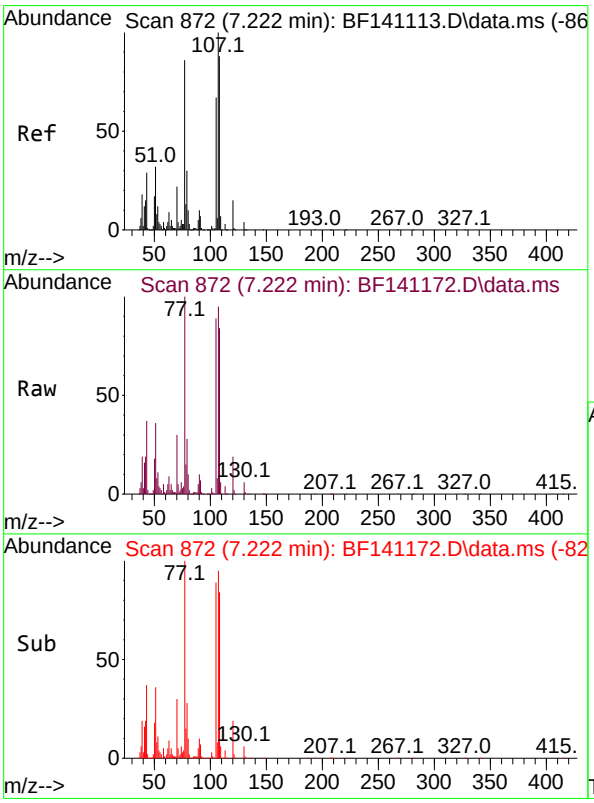

#19
n-Nitroso-di-n-propylamine
Concen: 49.215 ng
RT: 7.234 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion: 70 Resp: 298704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.0 | 47.8 | 71.6 |
| 101 | 10.0 | 7.9 | 11.9 |
| 130 | 22.5 | 17.6 | 26.4 |

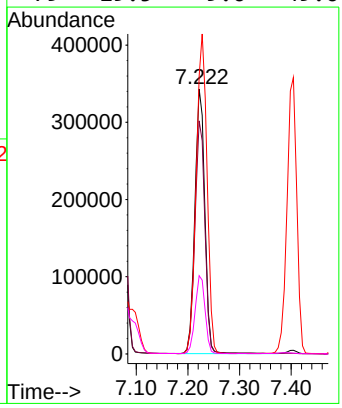


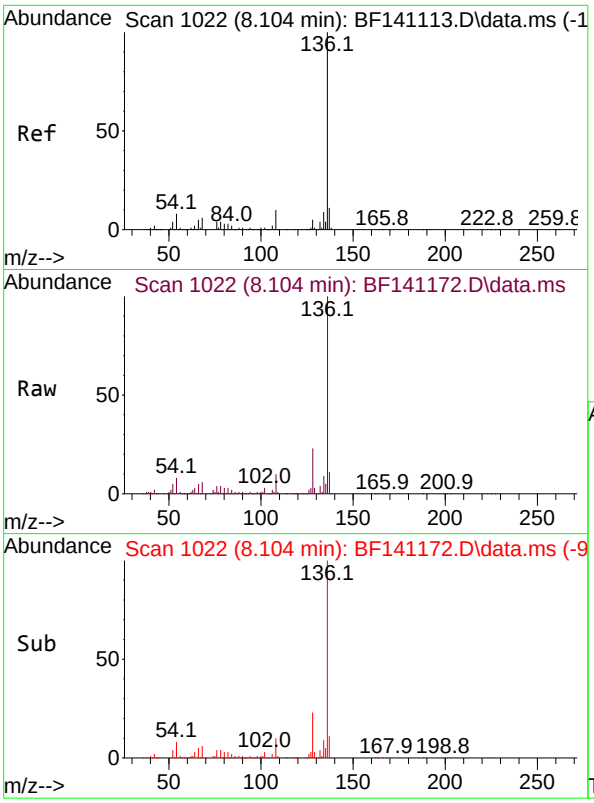




#20
3+4-Methylphenols
Concen: 51.345 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:107 Resp: 456394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.0 | 68.3 | 108.3 |
| 77 | 104.9 | 66.4 | 106.4 |
| 79 | 29.5 | 9.6 | 49.6 |



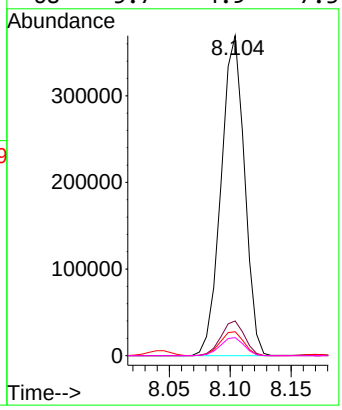


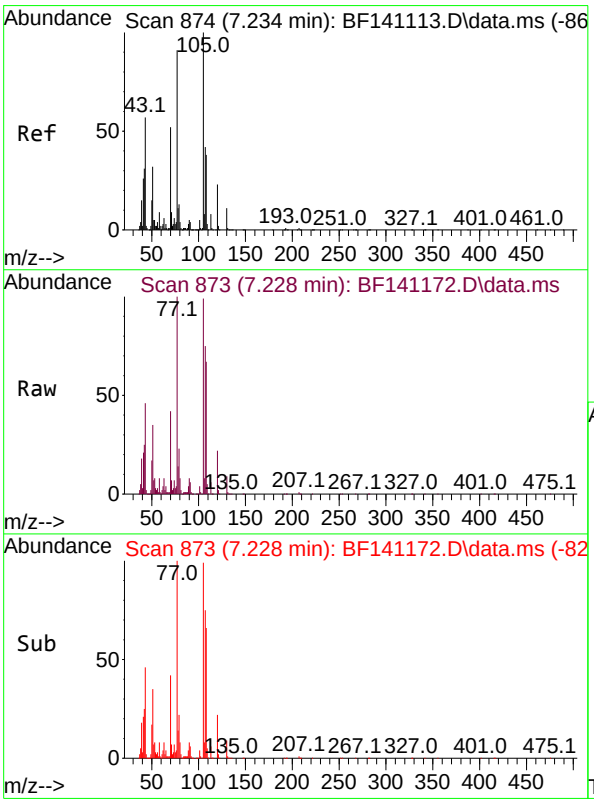

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:136 Resp: 494978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 7.5 | 6.3 | 9.5 |
| 68 | 5.7 | 4.9 | 7.3 |

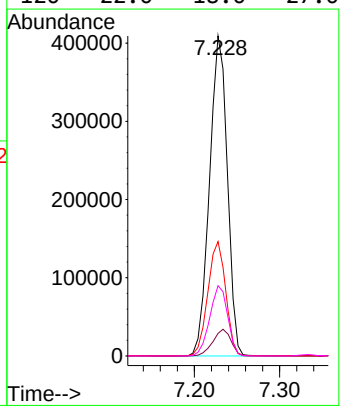


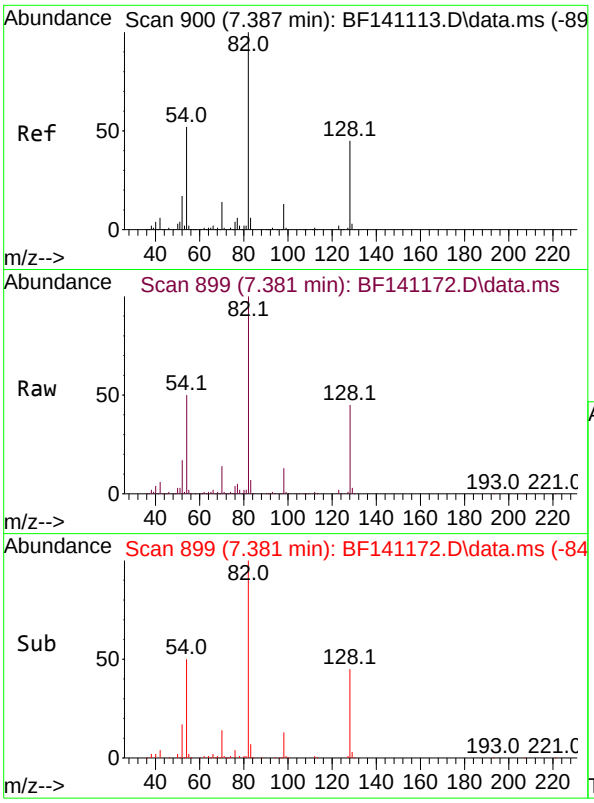




#22
Acetophenone
Concen: 50.545 ng
RT: 7.228 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:105 Resp: 594750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.0 | 7.1 | 10.7# |
| 51 | 35.7 | 25.4 | 38.2 |
| 120 | 22.0 | 18.0 | 27.0 |



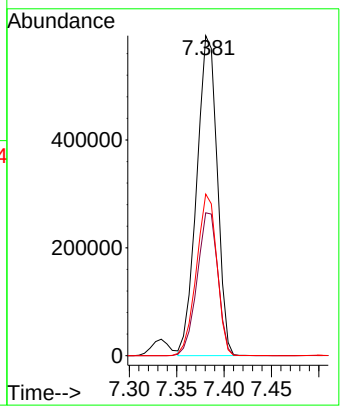


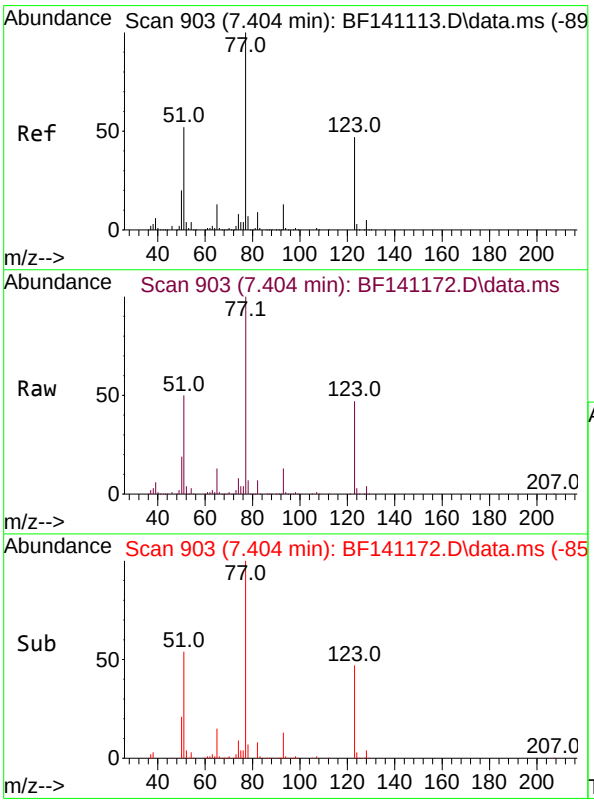

#23
Nitrobenzene-d5
Concen: 95.554 ng
RT: 7.381 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion: 82 Resp: 892254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.7 | 36.1 | 54.1 |
| 54 | 50.5 | 41.0 | 61.4 |

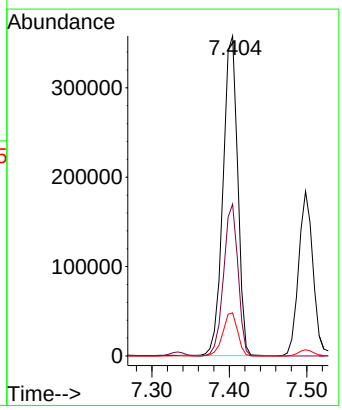


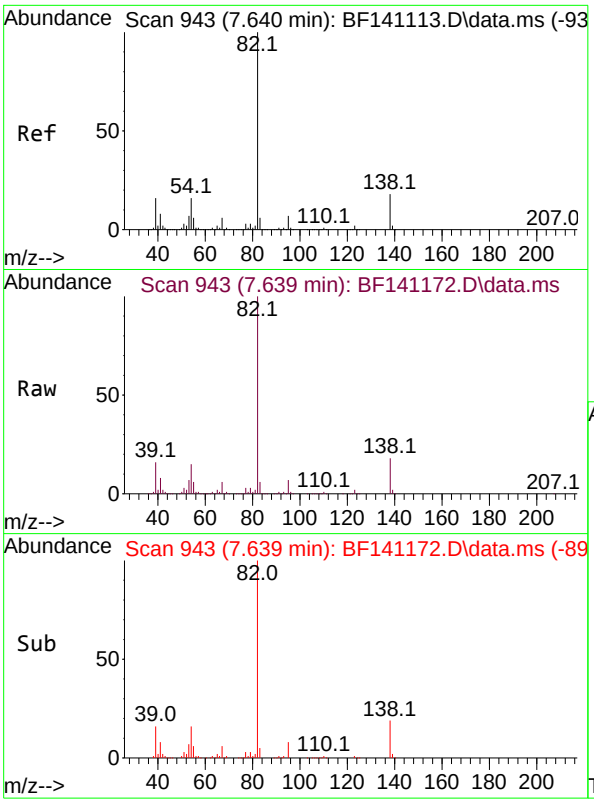




#24
Nitrobenzene
Concen: 48.319 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion: 77 Resp: 470238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.5 | 37.7 | 56.5 |
| 65 | 13.5 | 10.6 | 16.0 |



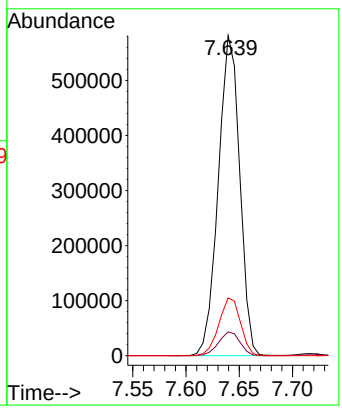


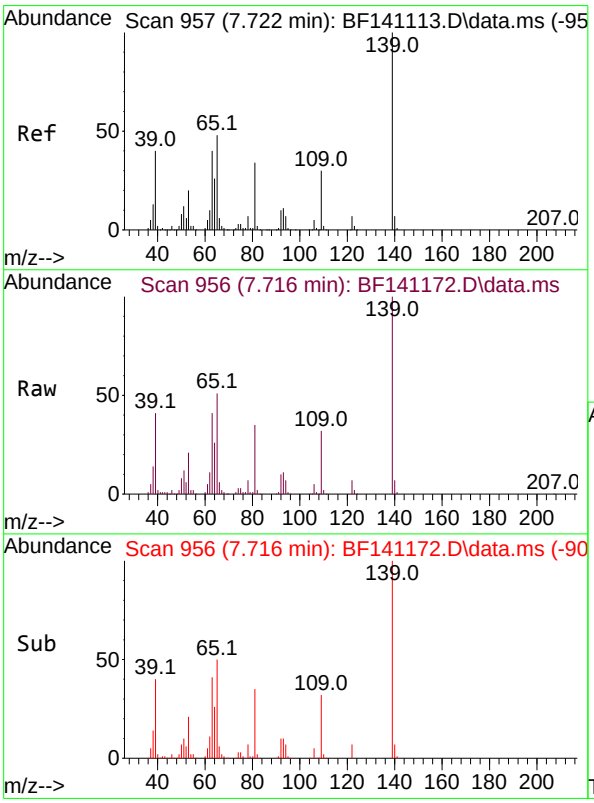

#25
Isophorone
Concen: 50.857 ng
RT: 7.639 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion: 82 Resp: 811569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.5 | 5.9 | 8.9 |
| 138 | 18.0 | 14.2 | 21.2 |

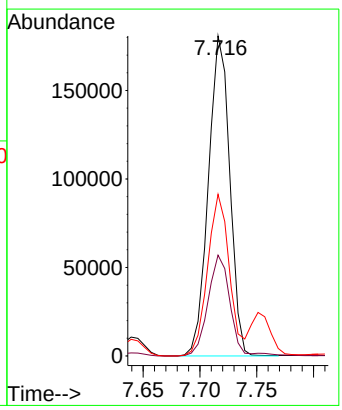


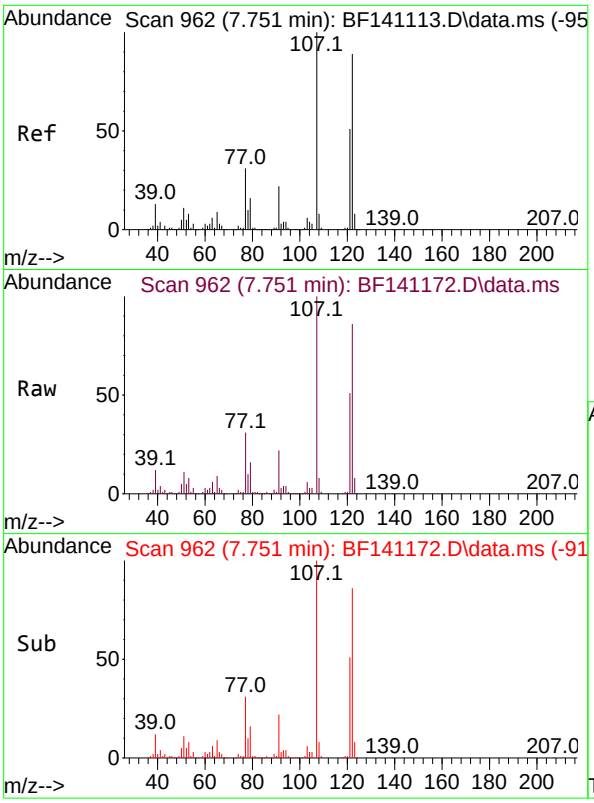




#26
2-Nitrophenol
Concen: 53.479 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:139 Resp: 236745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.5 | 23.8 | 35.6 |
| 65 | 50.5 | 38.5 | 57.7 |



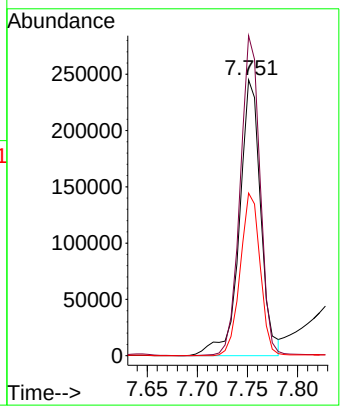


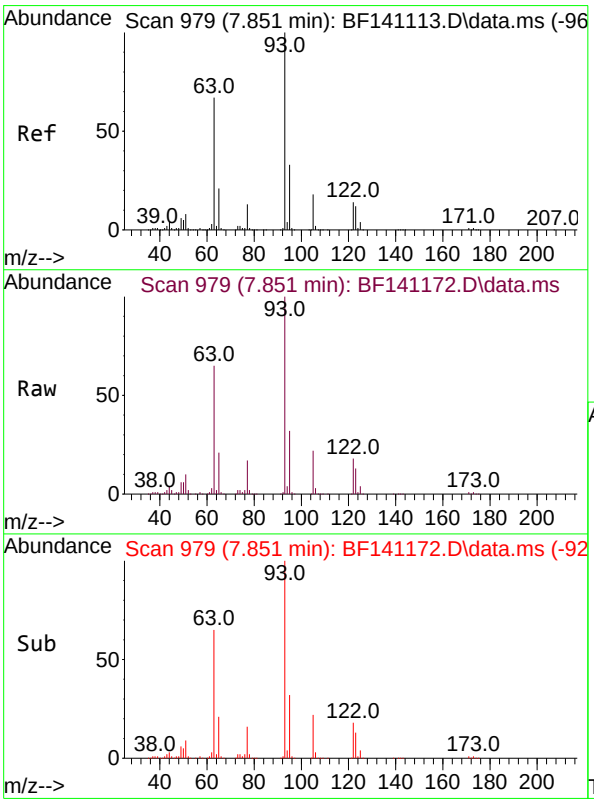

#27
2,4-Dimethylphenol
Concen: 60.469 ng
RT: 7.751 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:122 Resp: 361074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 116.0 | 90.3 | 135.5 |
| 121 | 59.0 | 46.5 | 69.7 |

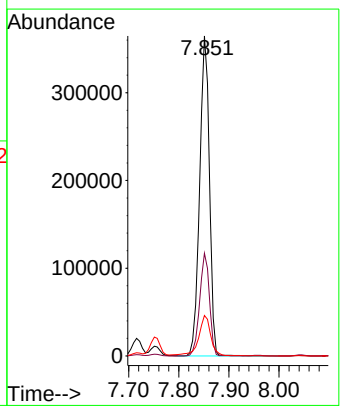


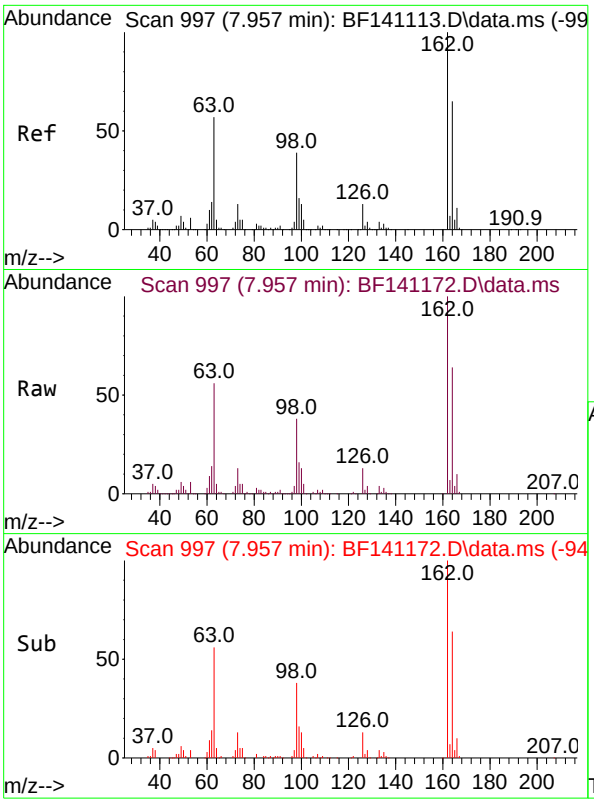




#28
bis(2-Chloroethoxy)methane
Concen: 49.192 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion: 93 Resp: 492644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.1 | 26.2 | 39.4 |
| 123 | 12.7 | 10.1 | 15.1 |



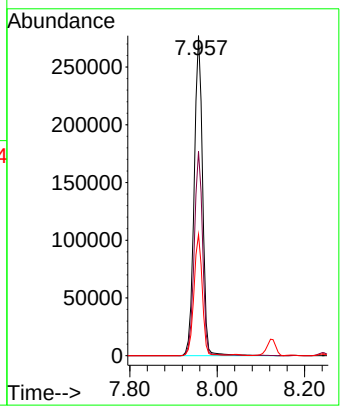


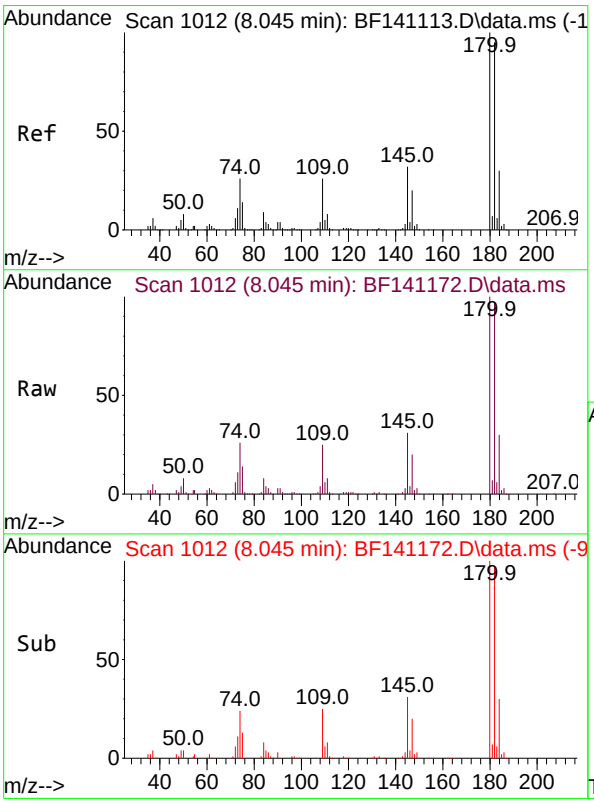

#29
2,4-Dichlorophenol
Concen: 52.334 ng
RT: 7.957 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:162 Resp: 371144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.8 | 44.5 | 84.5 |
| 98 | 37.8 | 18.5 | 58.5 |

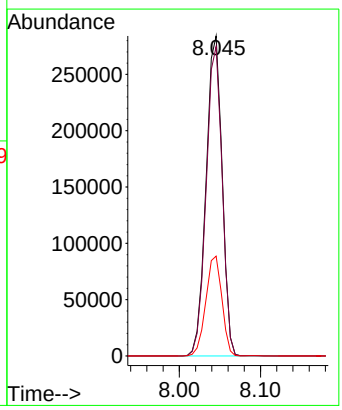


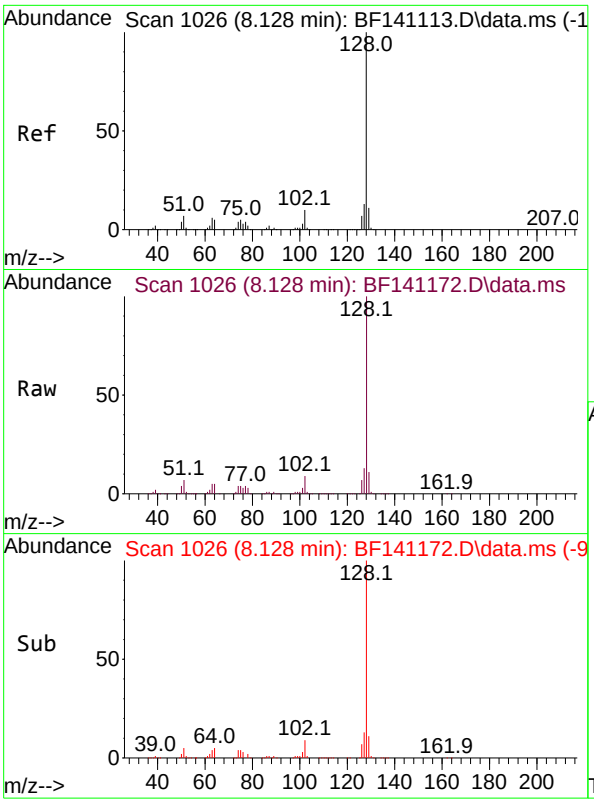




#30
1,2,4-Trichlorobenzene
Concen: 48.047 ng
RT: 8.045 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:180 Resp: 389479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.7 | 76.2 | 114.2 |
| 145 | 31.2 | 25.3 | 37.9 |



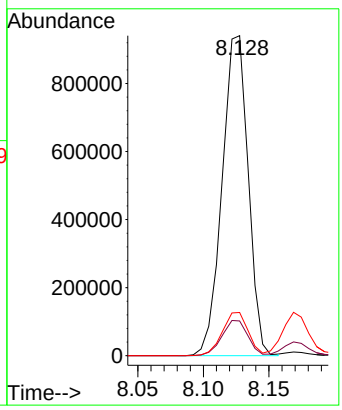


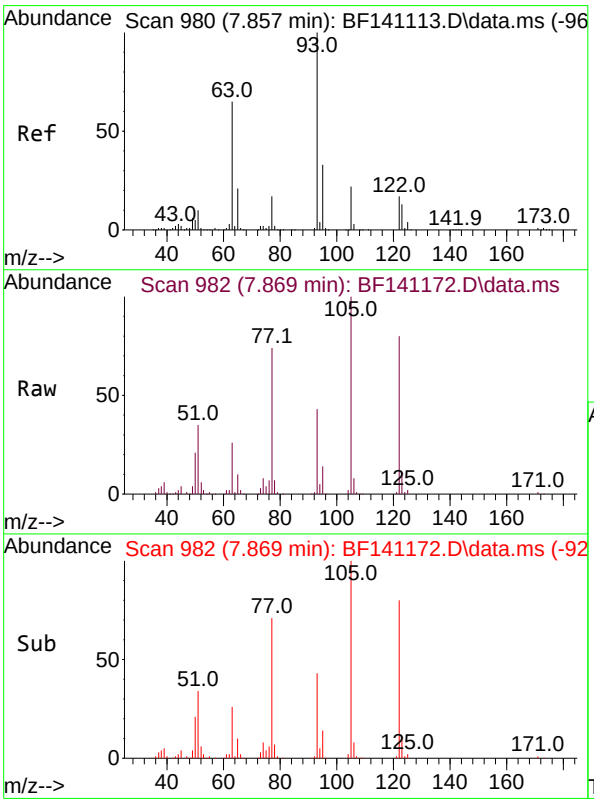

#31
Naphthalene
Concen: 49.832 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:128 Resp: 1300768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 9.0 | 13.6 |
| 127 | 13.5 | 10.8 | 16.2 |

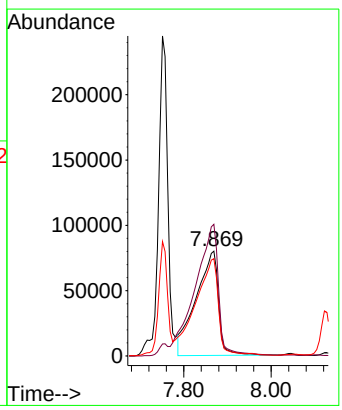


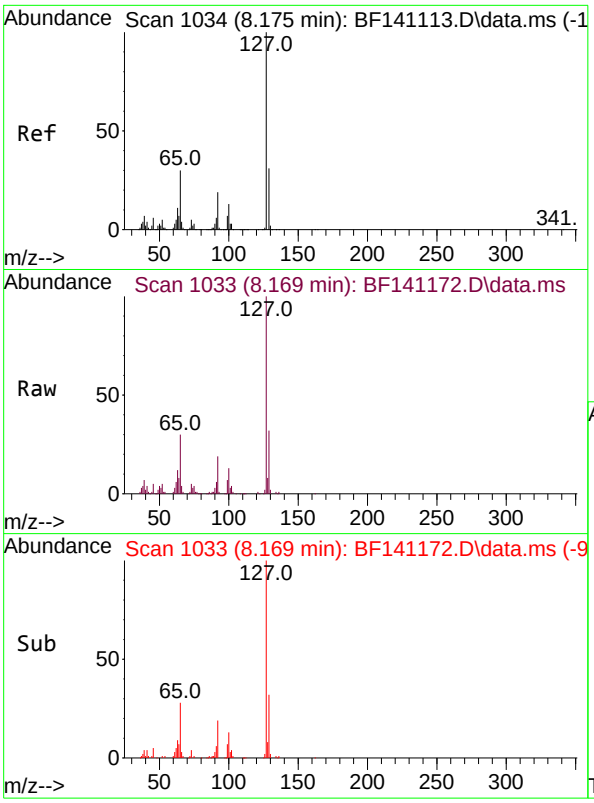




#32
Benzoic acid
Concen: 50.086 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.012 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:122 Resp: 286894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 125.6 | 105.5 | 145.5 |
| 77 | 92.9 | 75.1 | 115.1 |



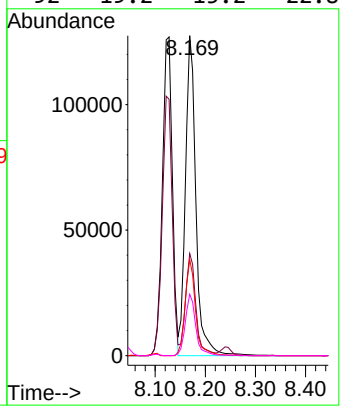


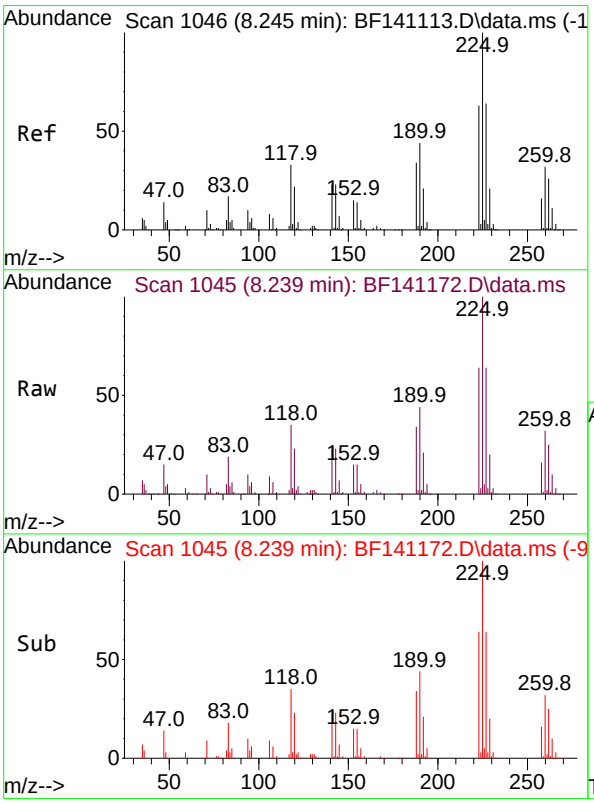

#33
4-Chloroaniline
Concen: 20.652 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:127 Resp: 186433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.9 | 25.9 | 38.9 |
| 65 | 30.0 | 23.8 | 35.8 |
| 92 | 19.2 | 15.2 | 22.8 |

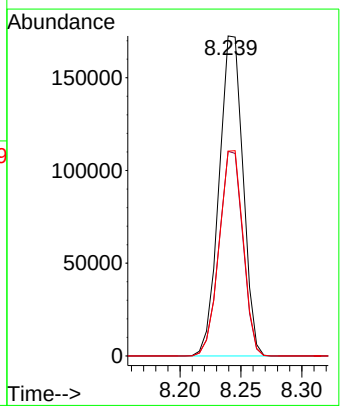


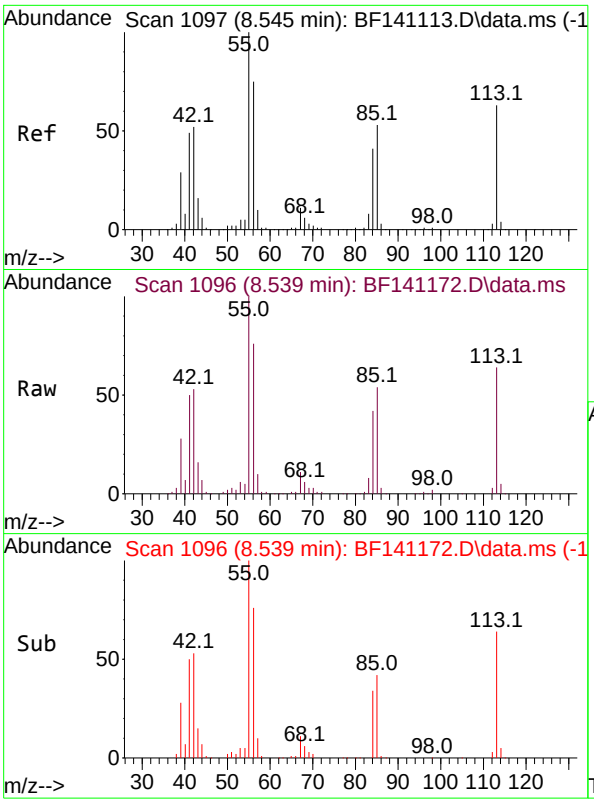




#34
Hexachlorobutadiene
Concen: 48.271 ng
RT: 8.239 min Scan# 1045
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:225 Resp: 235776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.9 | 50.6 | 76.0 |
| 227 | 64.0 | 51.6 | 77.4 |



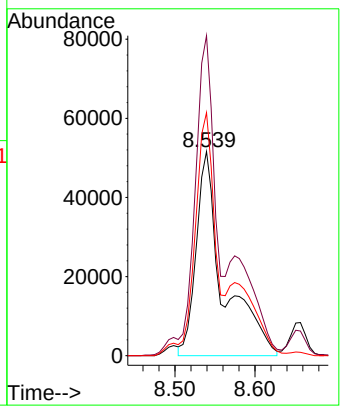


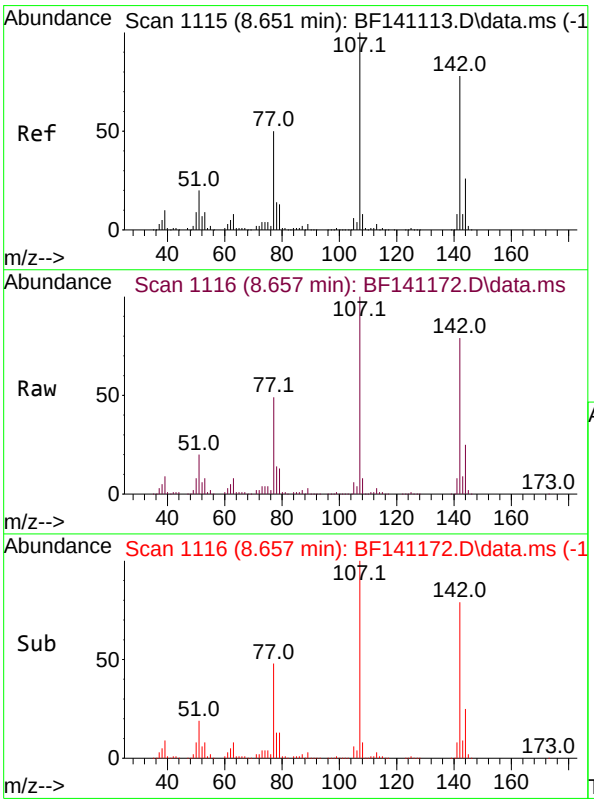

#35
Caprolactam
Concen: 52.514 ng m
RT: 8.539 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:113 Resp: 121929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 156.8 | 139.7 | 179.7 |
| 56 | 119.1 | 99.4 | 139.4 |

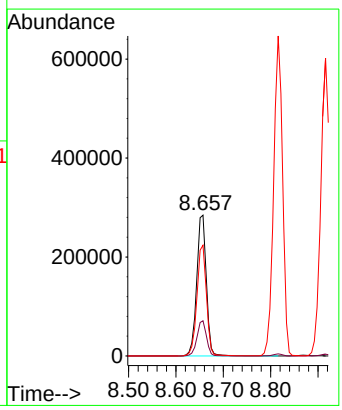


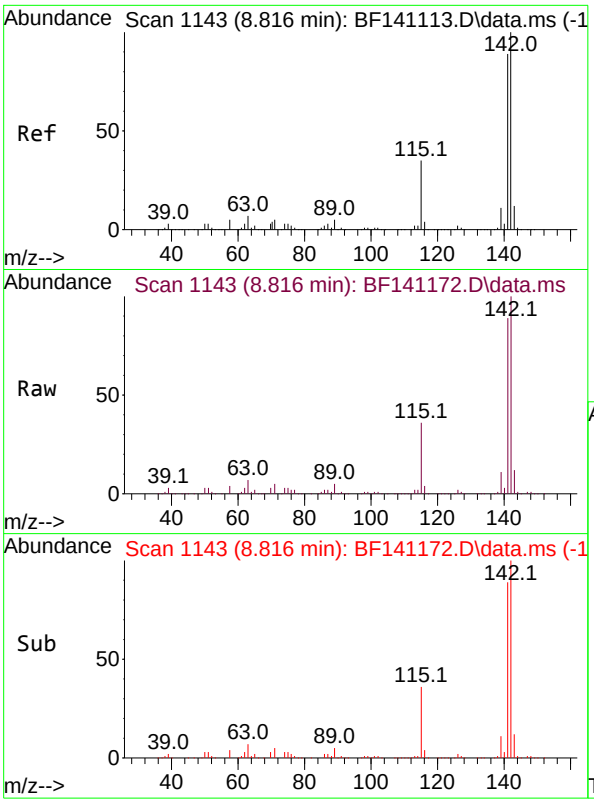




#36
4-Chloro-3-methylphenol
Concen: 51.983 ng
RT: 8.657 min Scan# 1116
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:107 Resp: 403179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.0 | 20.4 | 30.6 |
| 142 | 78.7 | 62.2 | 93.2 |



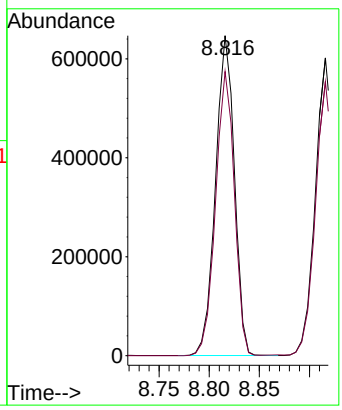


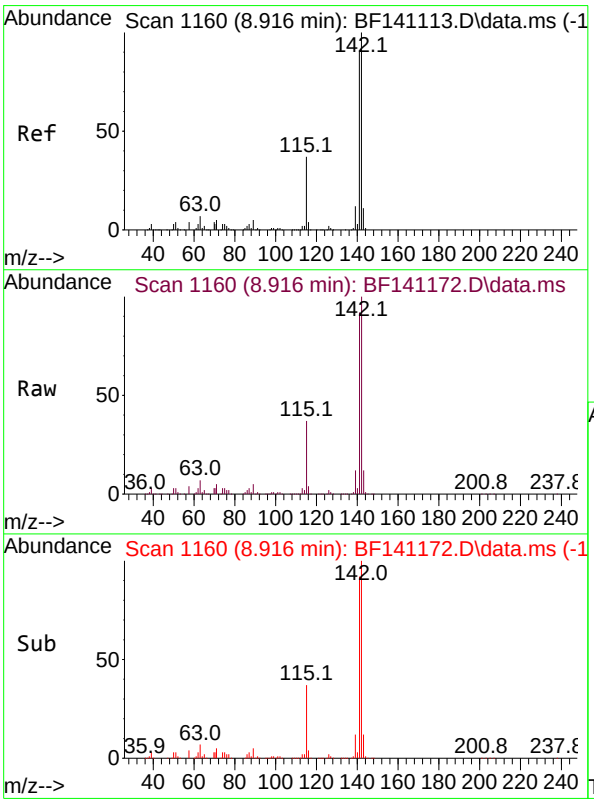

#37
2-Methylnaphthalene
Concen: 50.852 ng
RT: 8.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:142 Resp: 845856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.8 | 71.3 | 106.9 |

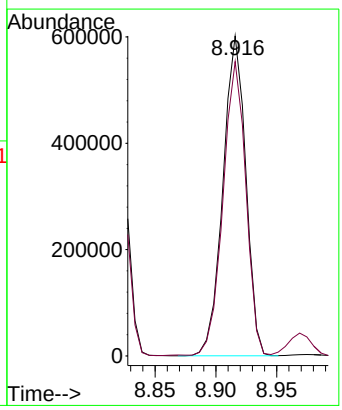


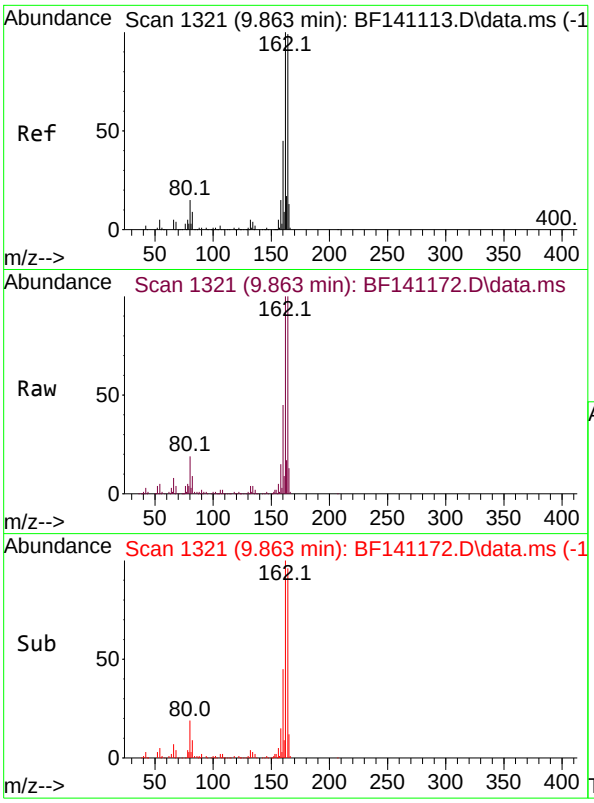




#38
1-Methylnaphthalene
Concen: 47.844 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:142 Resp: 784309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.0 | 73.1 | 109.7 |



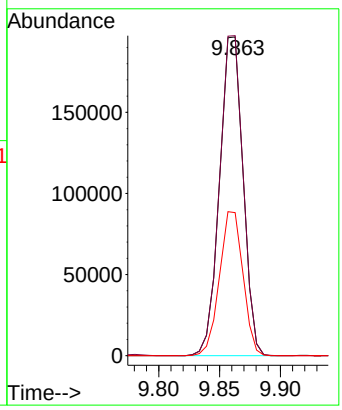


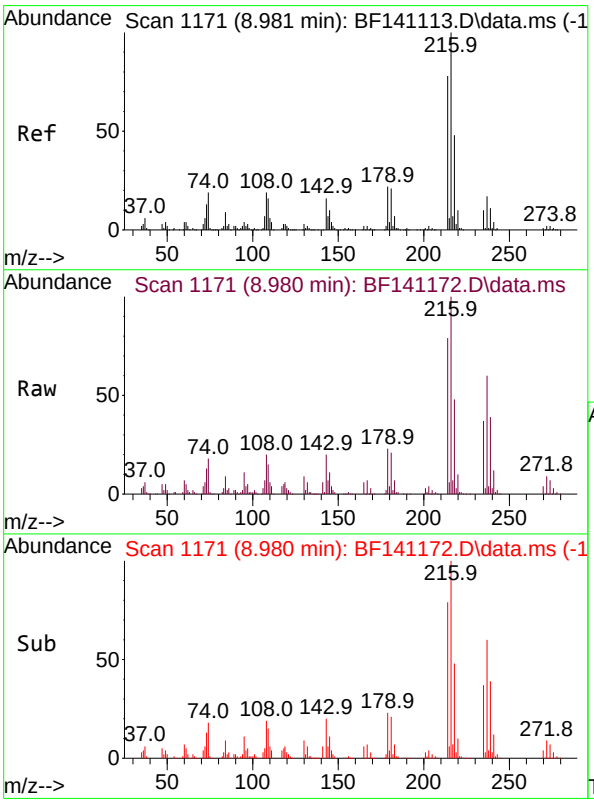

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:164 Resp: 264175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.4 | 81.0 | 121.4 |
| 160 | 44.9 | 36.1 | 54.1 |

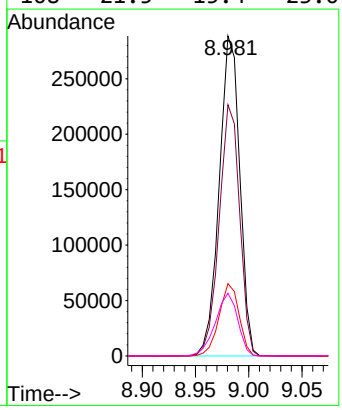


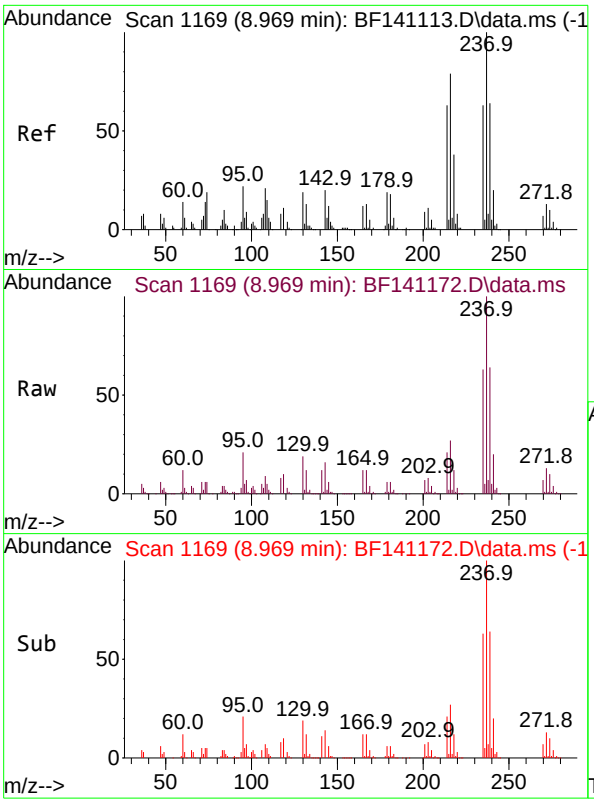




#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.905 ng
RT: 8.980 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:216 Resp: 385980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.2 | 62.6 | 94.0 |
| 179 | 22.2 | 17.7 | 26.5 |
| 108 | 21.5 | 15.4 | 23.0 |



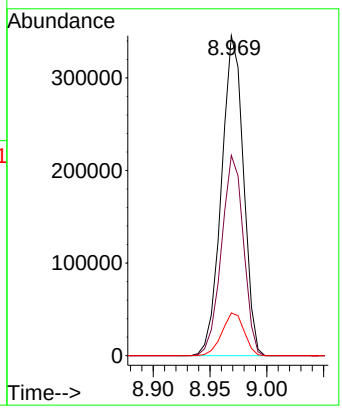


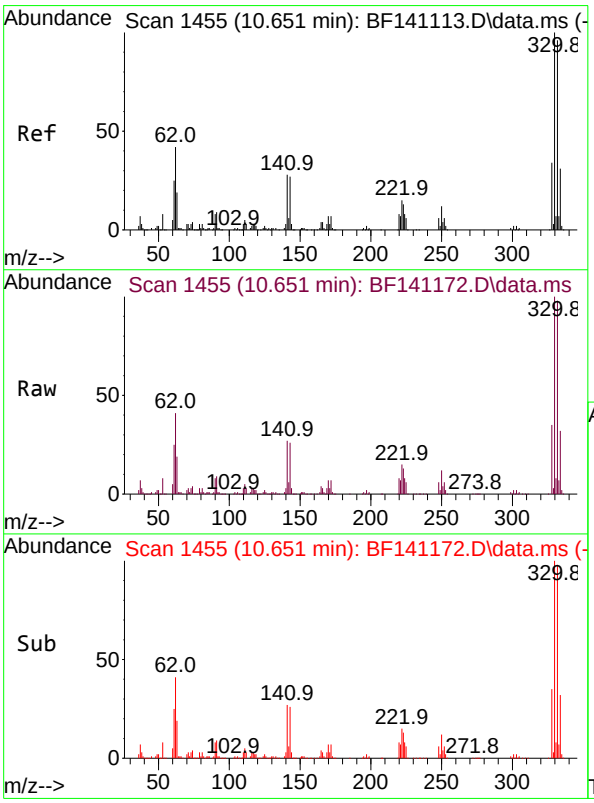

#41
Hexachlorocyclopentadiene
Concen: 187.848 ng
RT: 8.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:237 Resp: 465991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.6 | 43.0 | 83.0 |
| 272 | 13.3 | 0.0 | 33.0 |

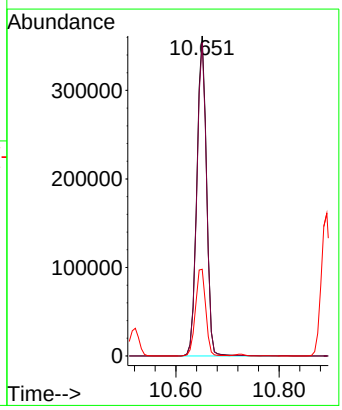


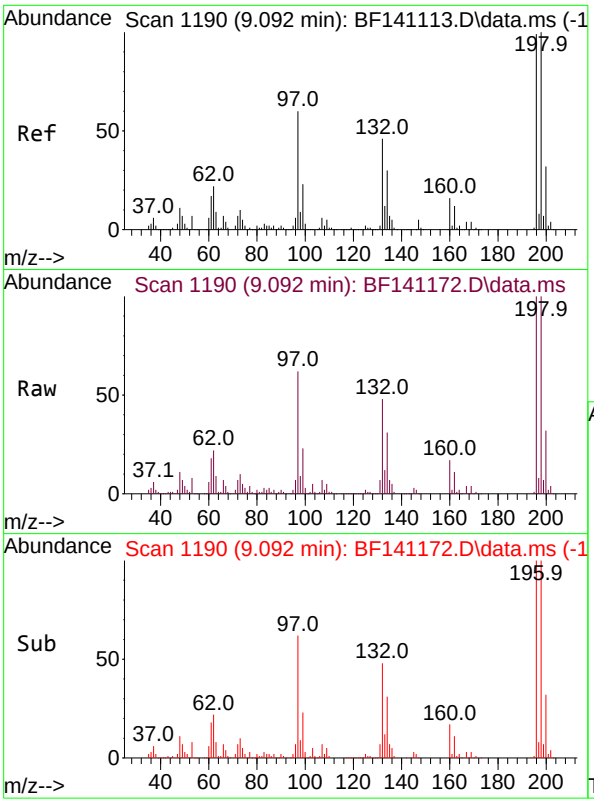




#42
2,4,6-Tribromophenol
Concen: 155.580 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:330 Resp: 468311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.0 | 76.9 | 115.3 |
| 141 | 28.8 | 25.2 | 37.8 |



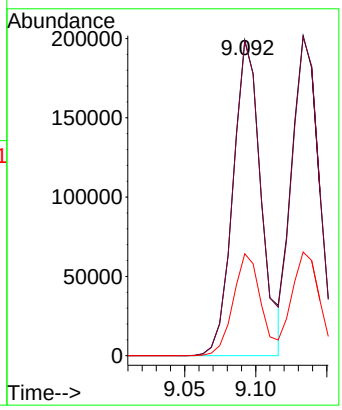


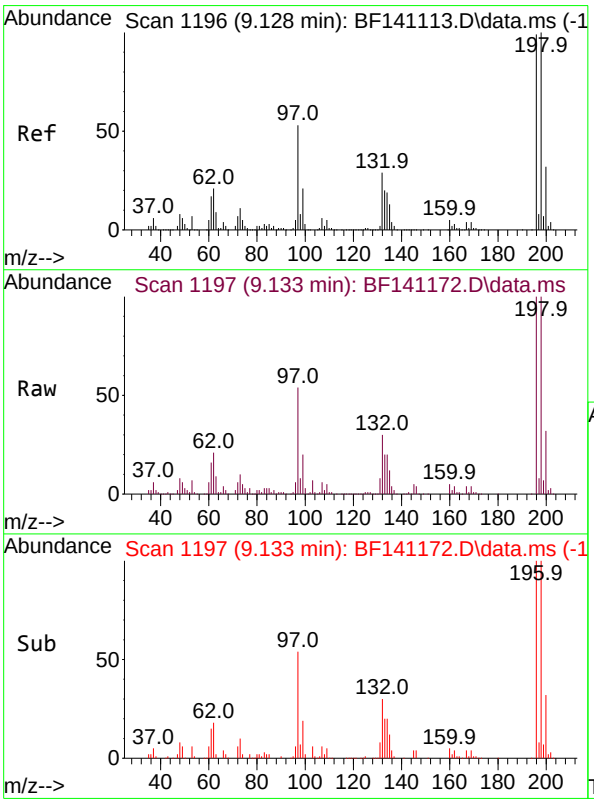

#43
2,4,6-Trichlorophenol
Concen: 53.267 ng
RT: 9.092 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:196 Resp: 272398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.5 | 80.8 | 121.2 |
| 200 | 32.3 | 25.7 | 38.5 |

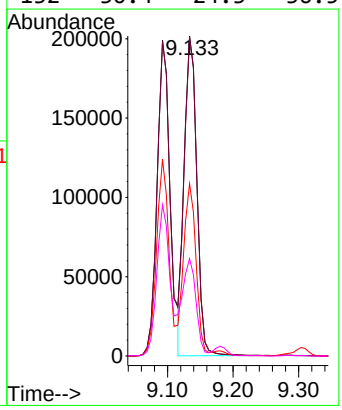


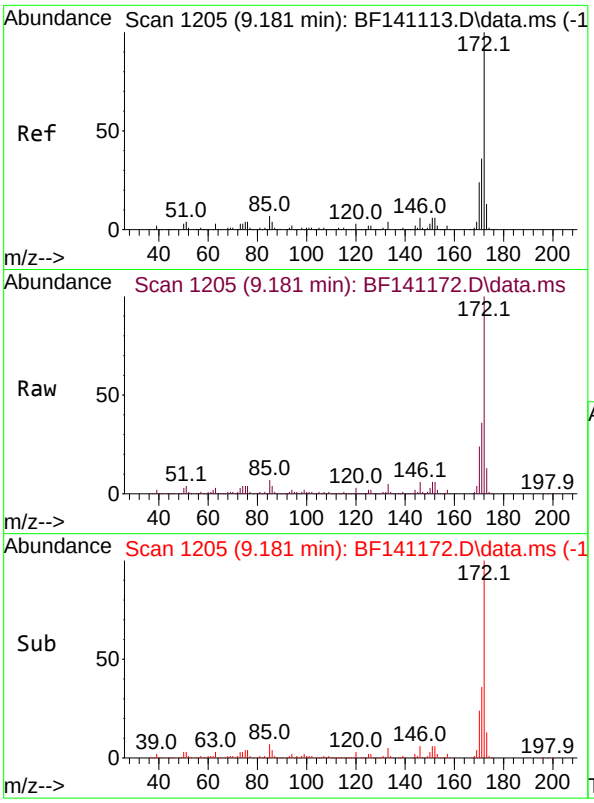




#44
2,4,5-Trichlorophenol
Concen: 50.006 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:196 Resp: 270073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.6 | 80.6 | 120.8 |
| 97 | 53.9 | 43.1 | 64.7 |
| 132 | 30.4 | 24.3 | 36.5 |



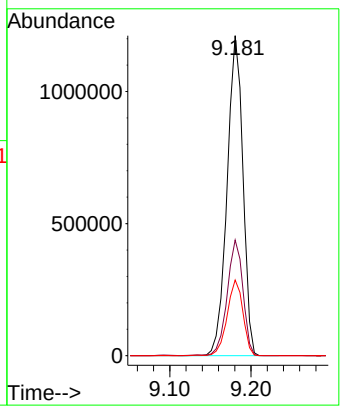


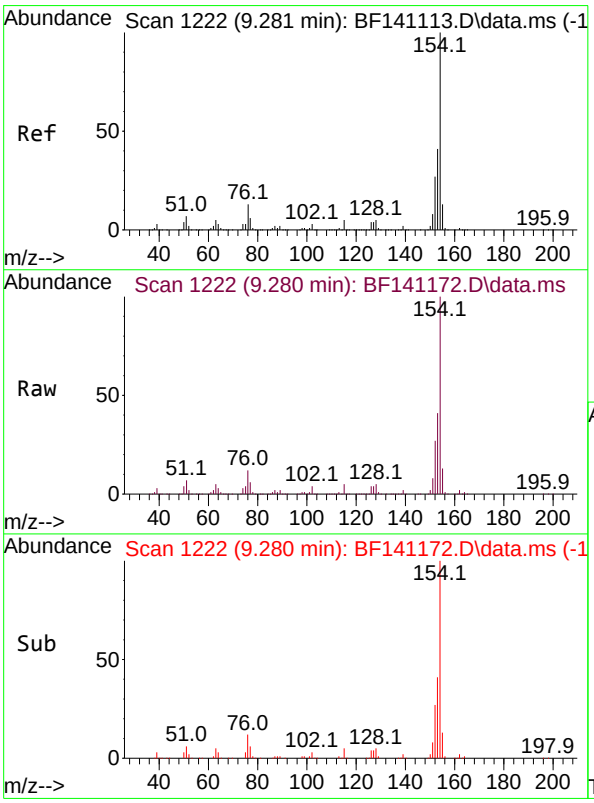

#45
2-Fluorobiphenyl
Concen: 94.797 ng
RT: 9.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:172 Resp: 1639957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 28.7 | 43.1 |
| 170 | 23.7 | 19.0 | 28.6 |

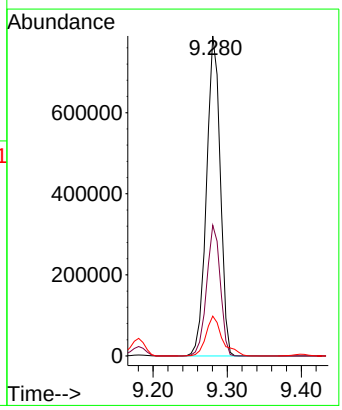


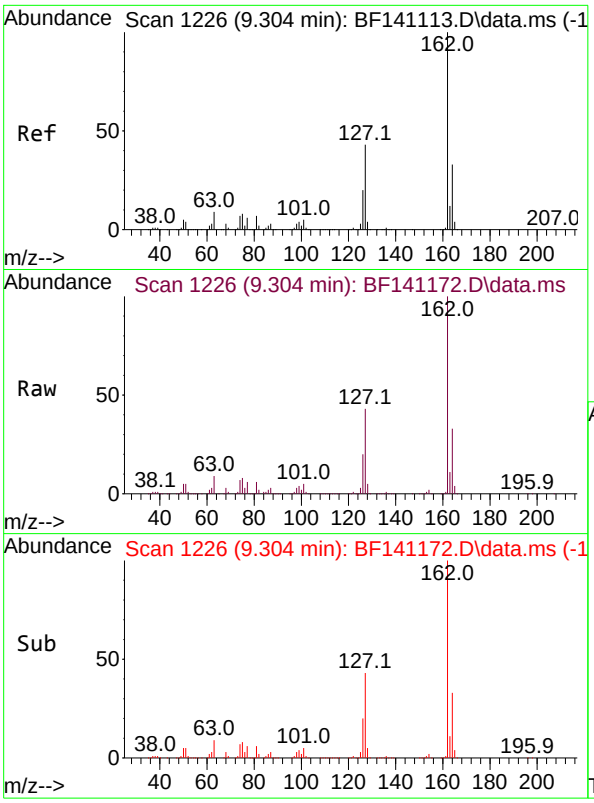




#46
1,1'-Biphenyl
Concen: 49.545 ng
RT: 9.280 min Scan# 1222
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:154 Resp: 1016465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.8 | 20.7 | 60.7 |
| 76 | 12.5 | 0.0 | 33.1 |



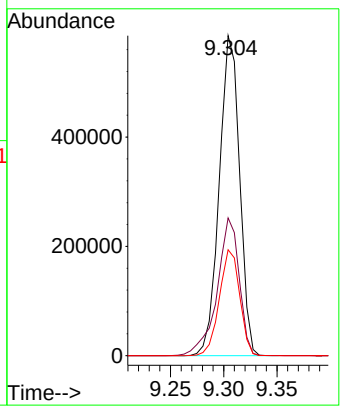


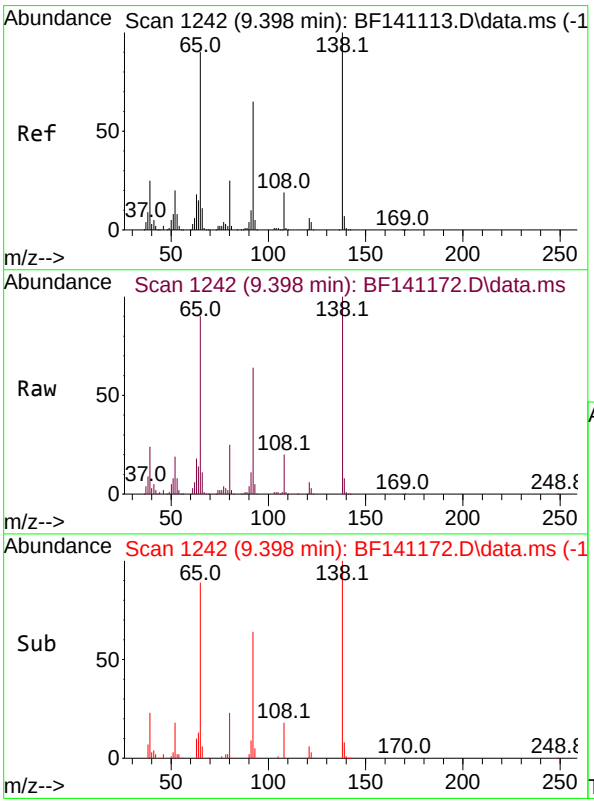

#47
2-Chloronaphthalene
Concen: 48.651 ng
RT: 9.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:162 Resp: 777411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.1 | 34.6 | 51.8 |
| 164 | 33.1 | 26.5 | 39.7 |

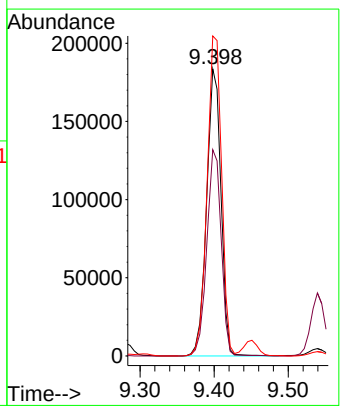


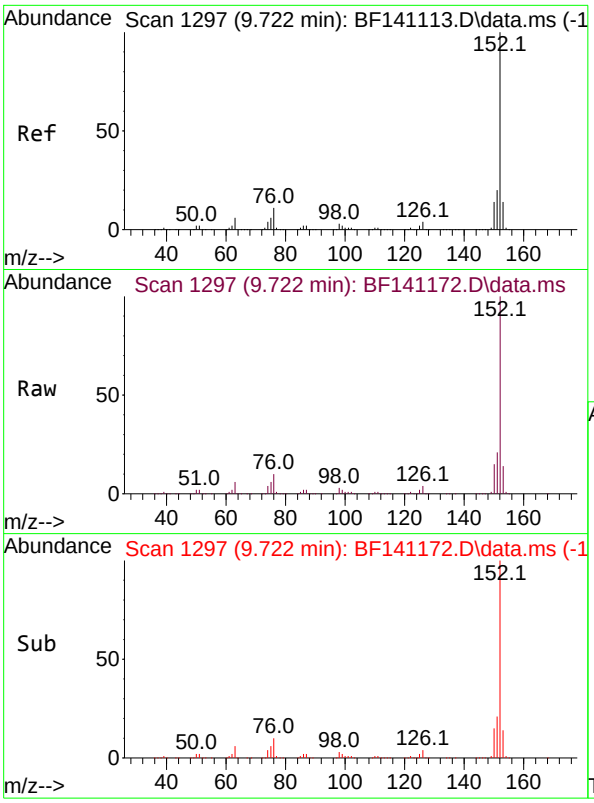




#48
2-Nitroaniline
Concen: 52.239 ng
RT: 9.398 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion: 65 Resp: 247443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.9 | 58.3 | 87.5 |
| 138 | 111.5 | 89.1 | 133.7 |



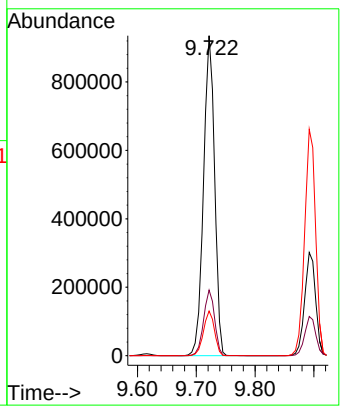


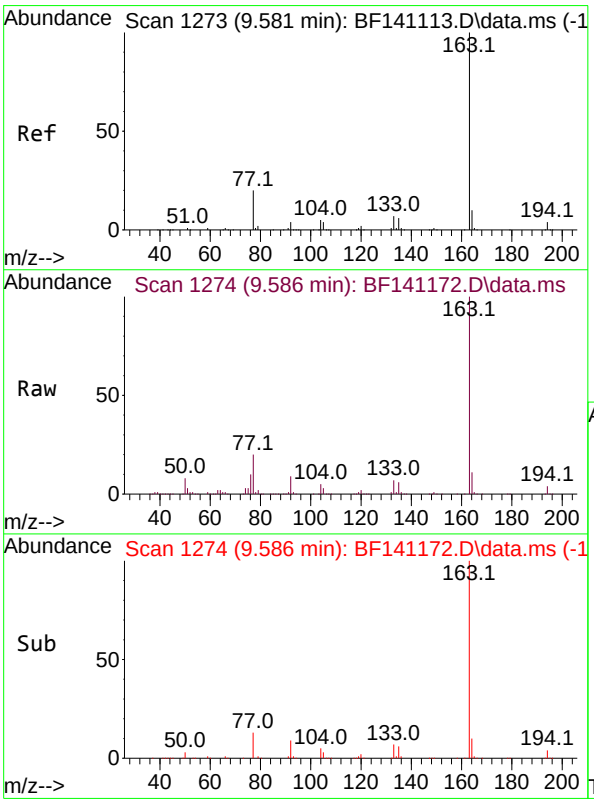

#49
Acenaphthylene
Concen: 53.506 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:152 Resp: 1221518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.1 | 24.1 |
| 153 | 13.9 | 11.1 | 16.7 |

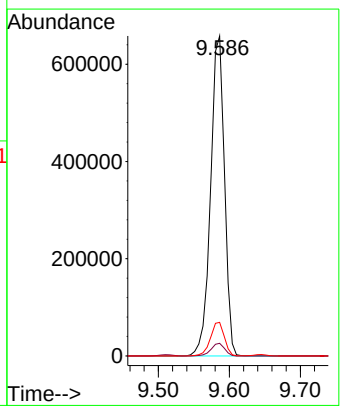


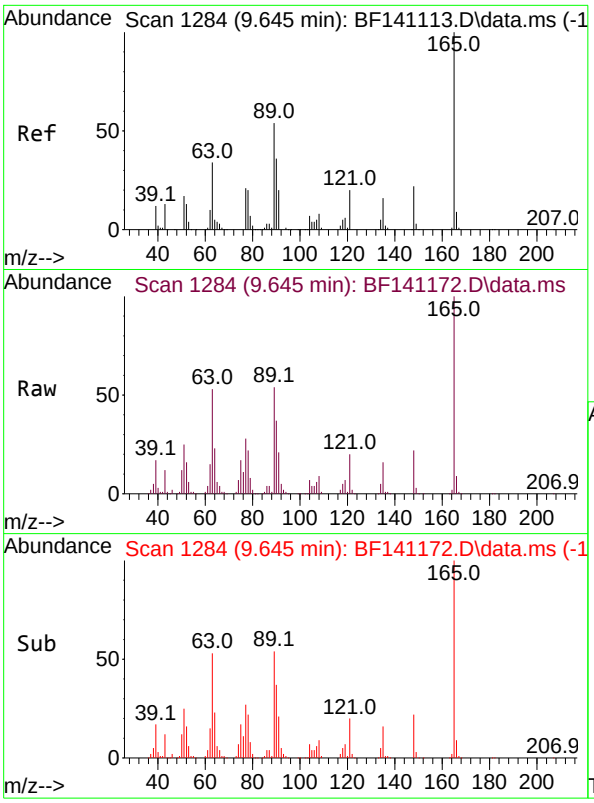




#50
Dimethylphthalate
Concen: 50.400 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:163 Resp: 893858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.0 | 4.6 |
| 164 | 10.5 | 8.2 | 12.4 |



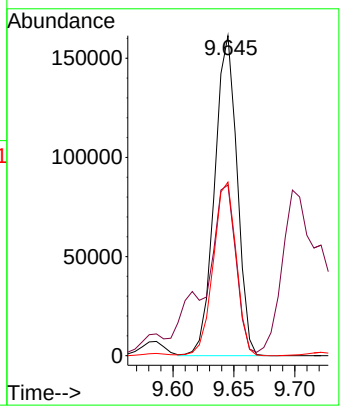


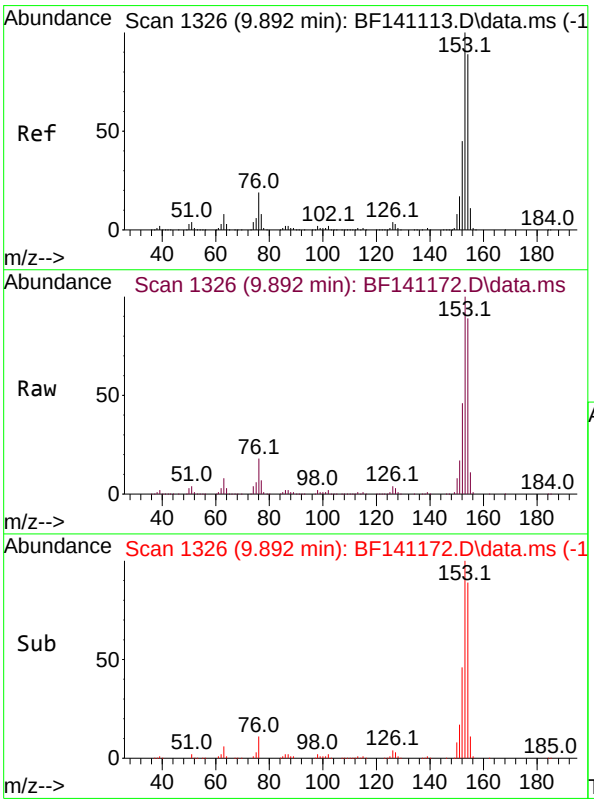

#51
2,6-Dinitrotoluene
Concen: 50.295 ng
RT: 9.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:165 Resp: 207427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.3 | 42.3 | 63.5 |
| 89 | 54.3 | 43.1 | 64.7 |

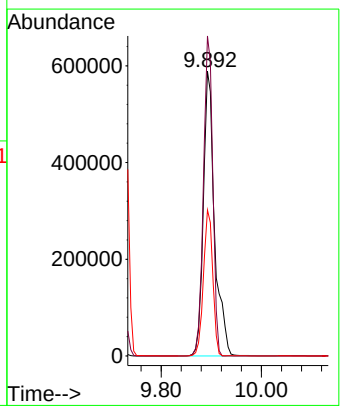


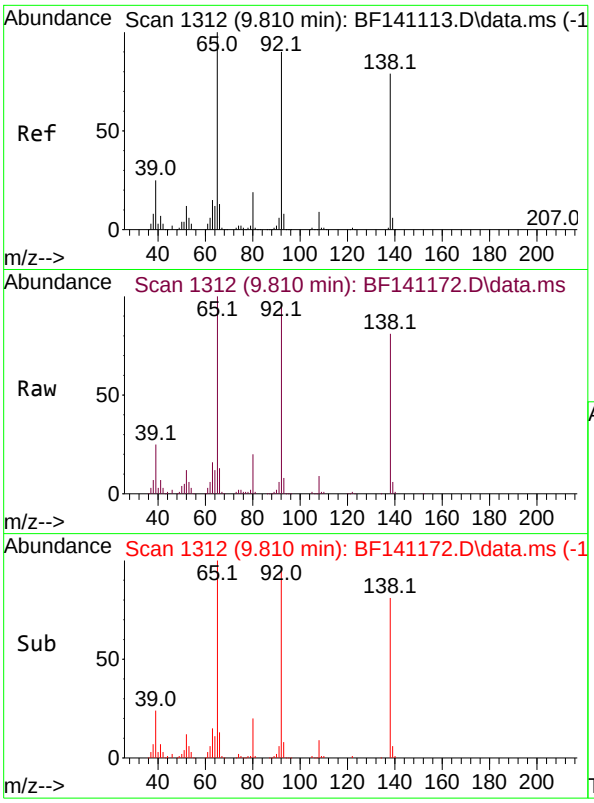




#52
Acenaphthene
Concen: 57.563 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:154 Resp: 918132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.5 | 89.8 | 134.6 |
| 152 | 51.3 | 40.8 | 61.2 |



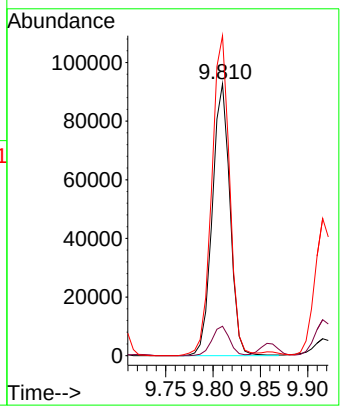


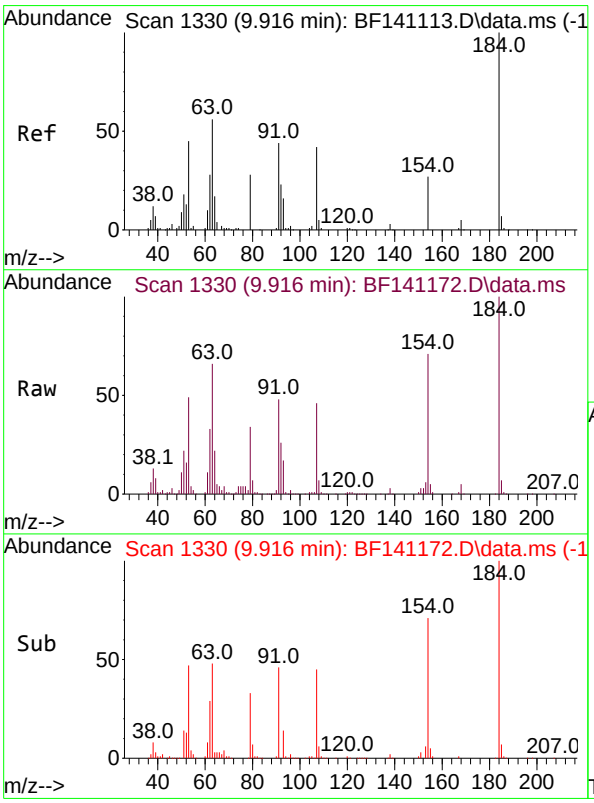

#53
3-Nitroaniline
Concen: 28.662 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:138 Resp: 120126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.8 | 8.8 | 13.2 |
| 92 | 117.7 | 91.3 | 136.9 |

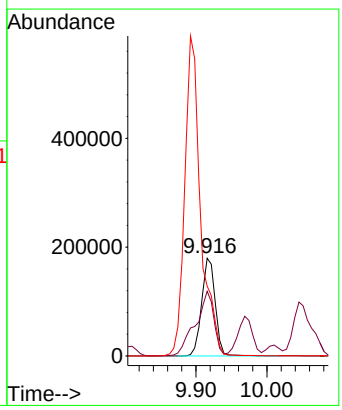


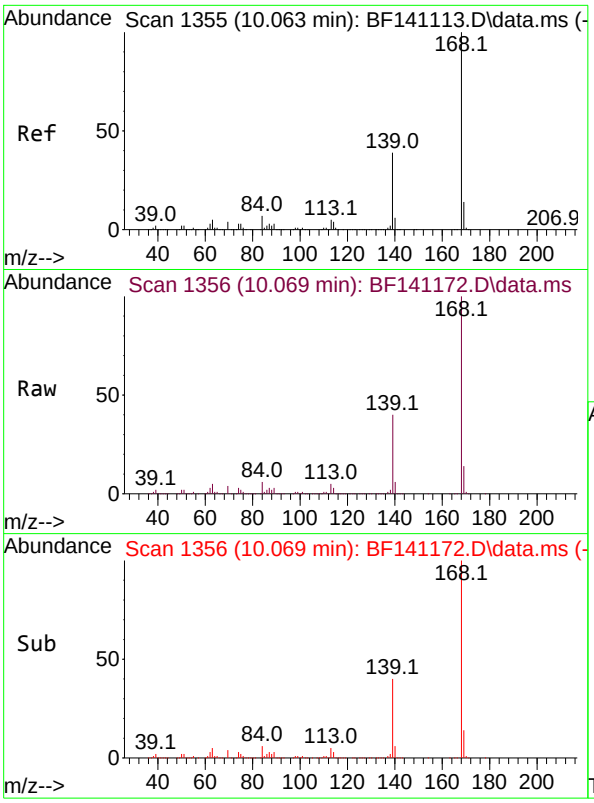




#54
2,4-Dinitrophenol
Concen: 122.030 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:184 Resp: 239218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 66.2 | 48.7 | 73.1 |
| 154 | 71.5 | 57.1 | 85.7 |



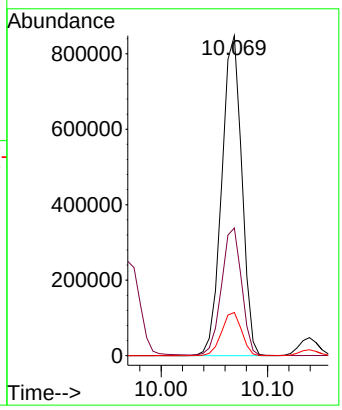


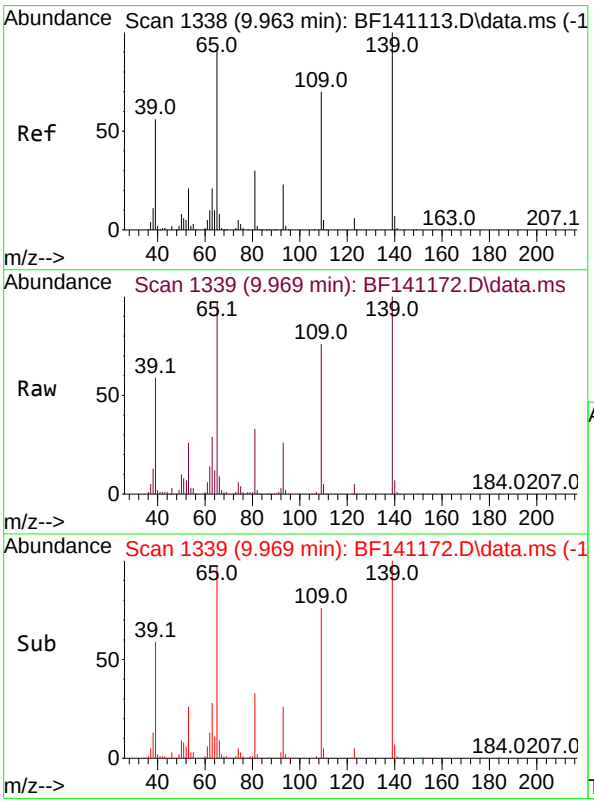

#55
Dibenzofuran
Concen: 51.016 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:168 Resp: 1106789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.9 | 31.4 | 47.0 |
| 169 | 13.5 | 10.9 | 16.3 |

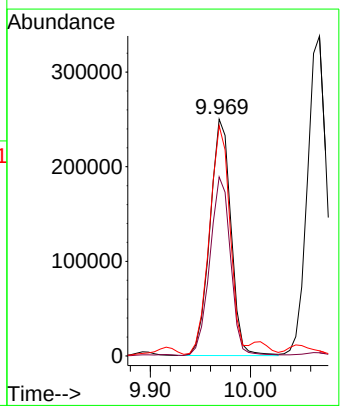


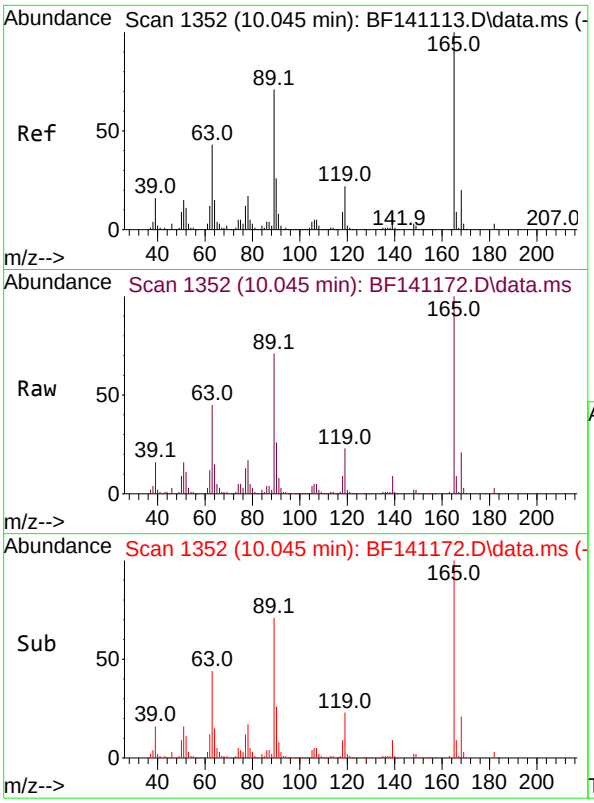




#56
4-Nitrophenol
Concen: 110.972 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:139 Resp: 364246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 75.6 | 50.2 | 90.2 |
| 65 | 97.2 | 72.1 | 112.1 |



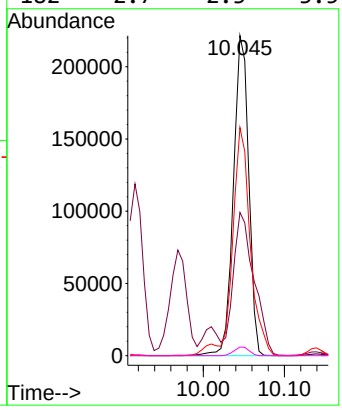


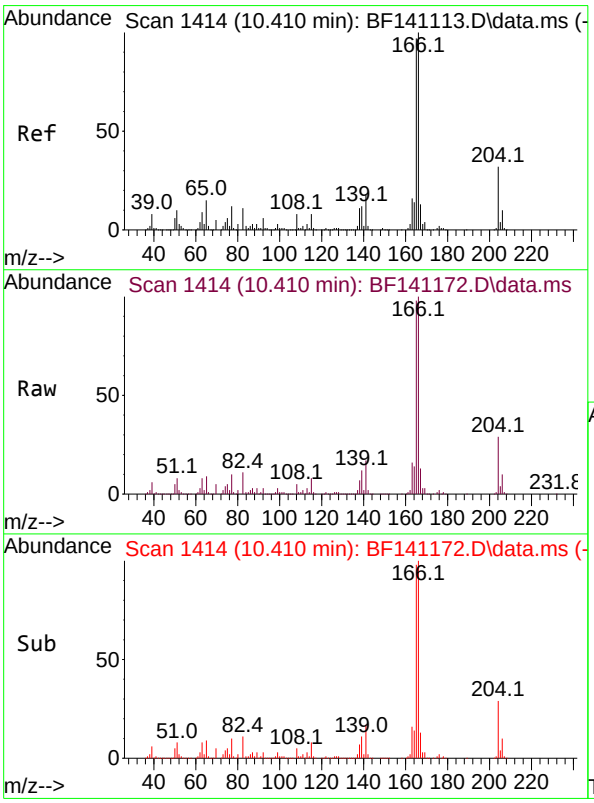

#57
2,4-Dinitrotoluene
Concen: 54.319 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:165 Resp: 288706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 44.8 | 35.0 | 52.4 |
| 89 | 71.3 | 56.7 | 85.1 |
| 182 | 2.7 | 2.3 | 3.5 |

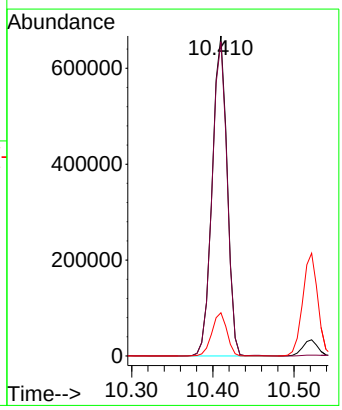


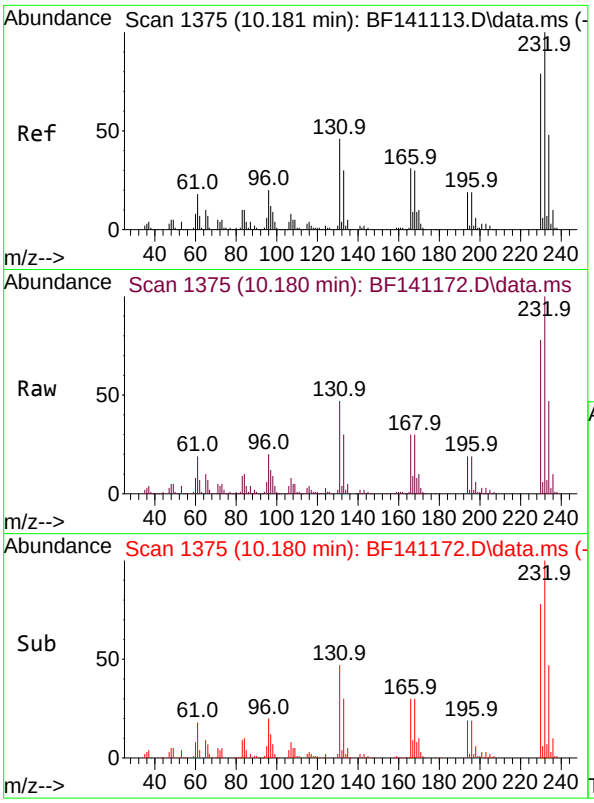




#58
Fluorene
Concen: 50.654 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:166 Resp: 853769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.2 | 77.8 | 116.8 |
| 167 | 13.5 | 10.8 | 16.2 |



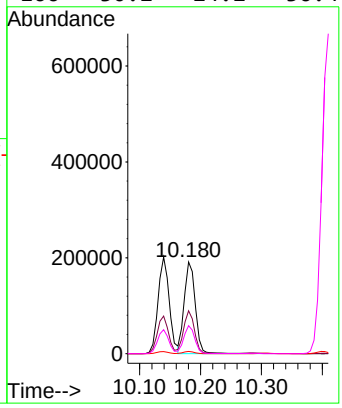


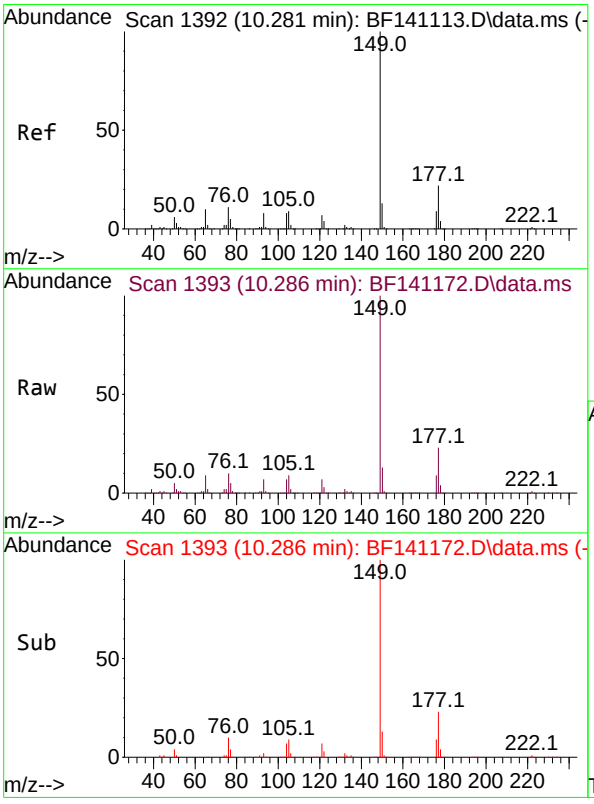

#59
2,3,4,6-Tetrachlorophenol
Concen: 53.911 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:232 Resp: 242021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.8 | 36.2 | 54.4 |
| 130 | 2.5 | 2.0 | 3.0 |
| 166 | 30.2 | 24.2 | 36.4 |

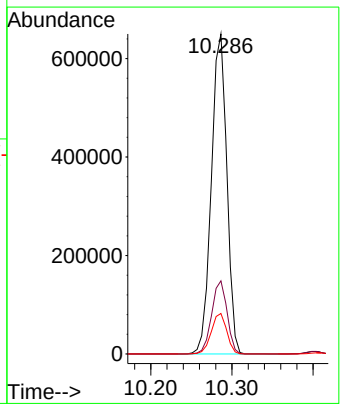


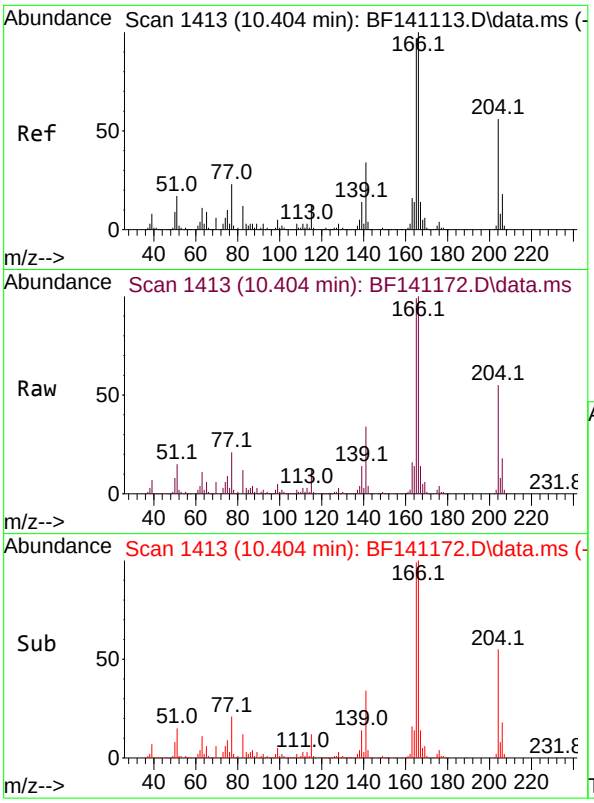




#60
Diethylphthalate
Concen: 49.710 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:149 Resp: 860679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.9 | 17.9 | 26.9 |
| 150 | 12.6 | 10.2 | 15.2 |



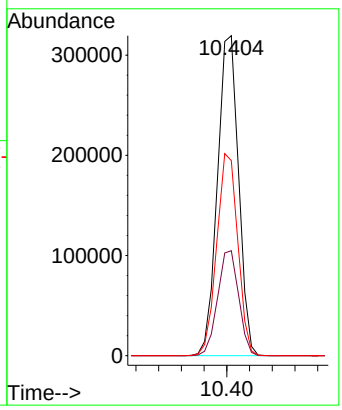


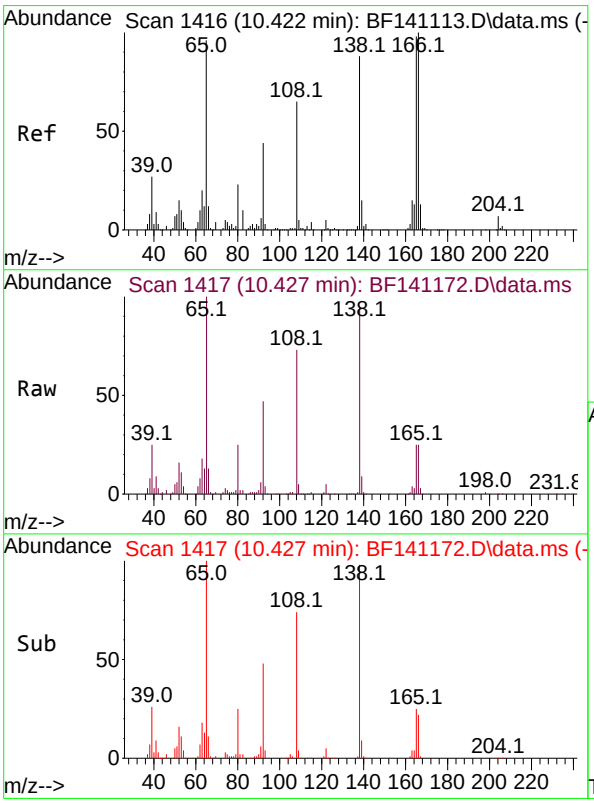

#61
4-Chlorophenyl-phenylether
Concen: 50.262 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:204 Resp: 412896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.8 | 25.9 | 38.9 |
| 141 | 60.9 | 49.1 | 73.7 |

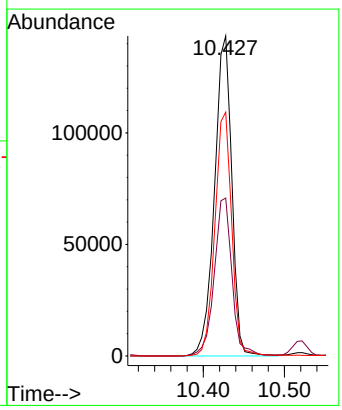


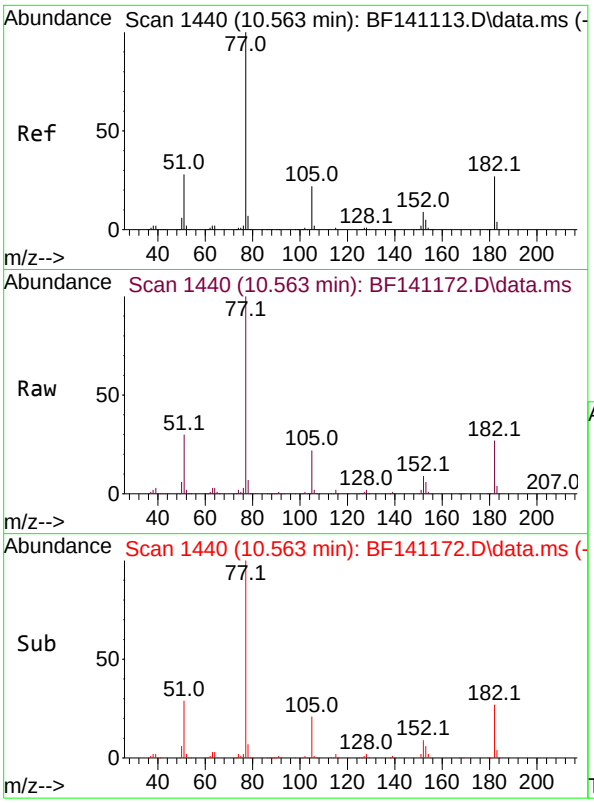




#62
4-Nitroaniline
Concen: 51.787 ng
RT: 10.427 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:138 Resp: 212430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.4 | 29.4 | 69.4 |
| 108 | 76.2 | 53.7 | 93.7 |



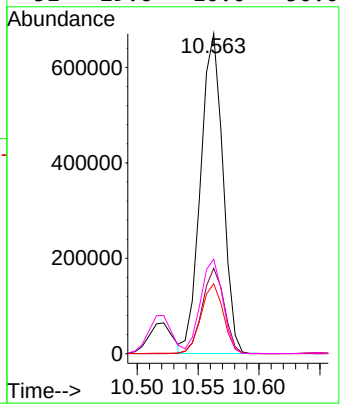


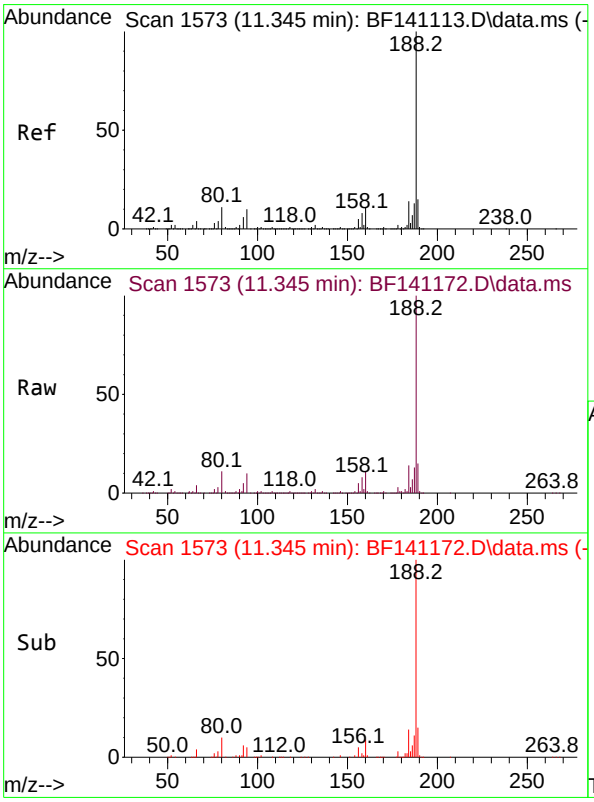

#63
Azobenzene
Concen: 49.994 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion: 77 Resp: 854110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.7 | 6.1 | 46.1 |
| 105 | 21.9 | 2.1 | 42.1 |
| 51 | 29.6 | 10.0 | 50.0 |

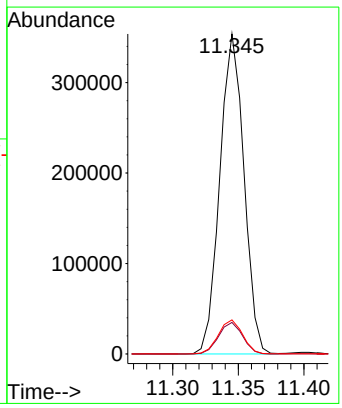


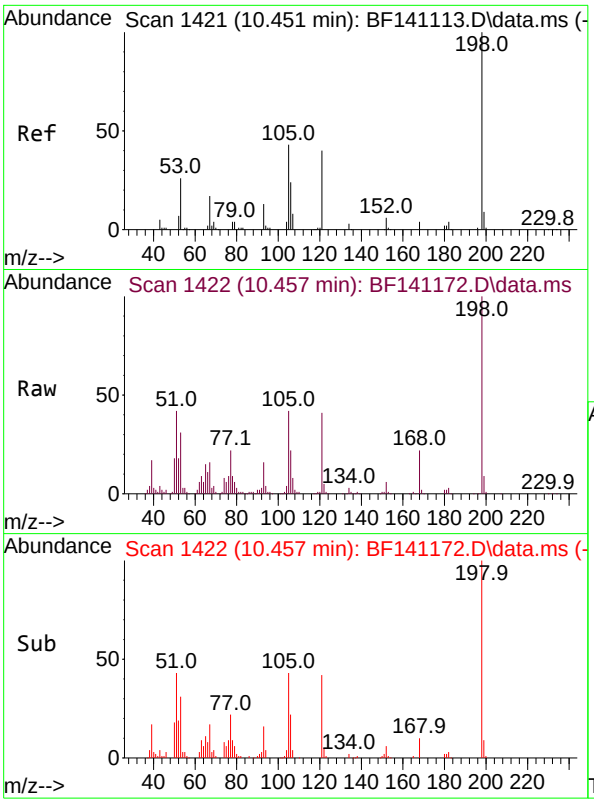




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:188 Resp: 452645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.8 | 8.3 | 12.5 |
| 80 | 10.7 | 9.0 | 13.4 |



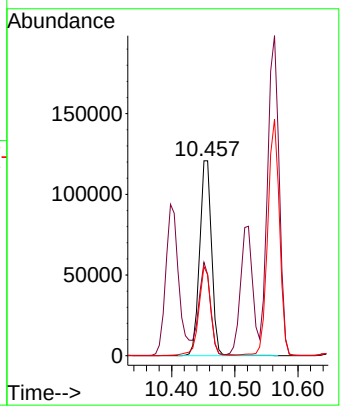


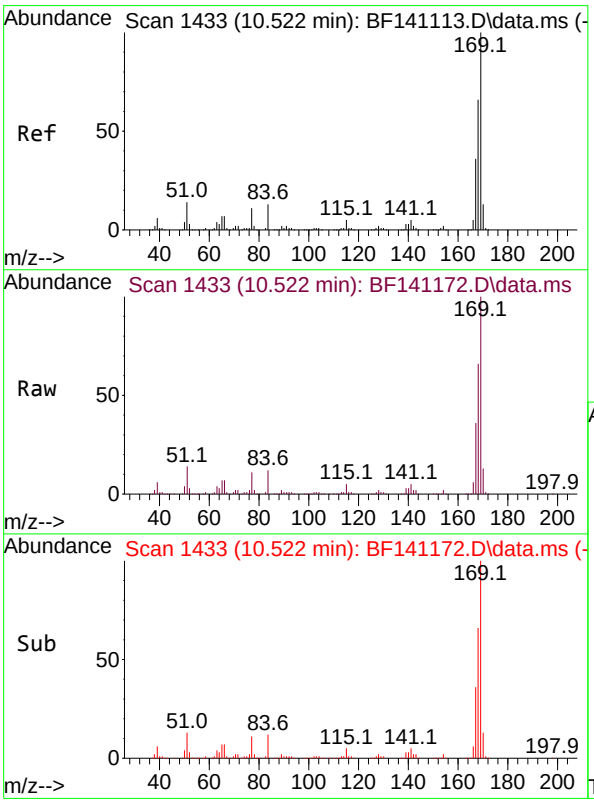

#65
4,6-Dinitro-2-methylphenol
Concen: 60.767 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:198 Resp: 159388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 41.5 | 27.1 | 67.1 |
| 105 | 41.5 | 24.2 | 64.2 |

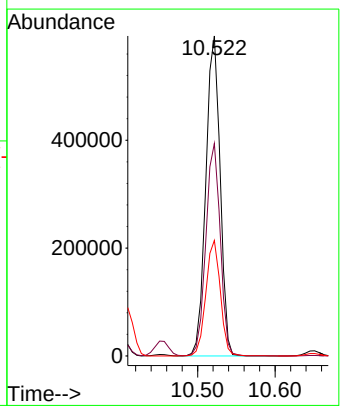


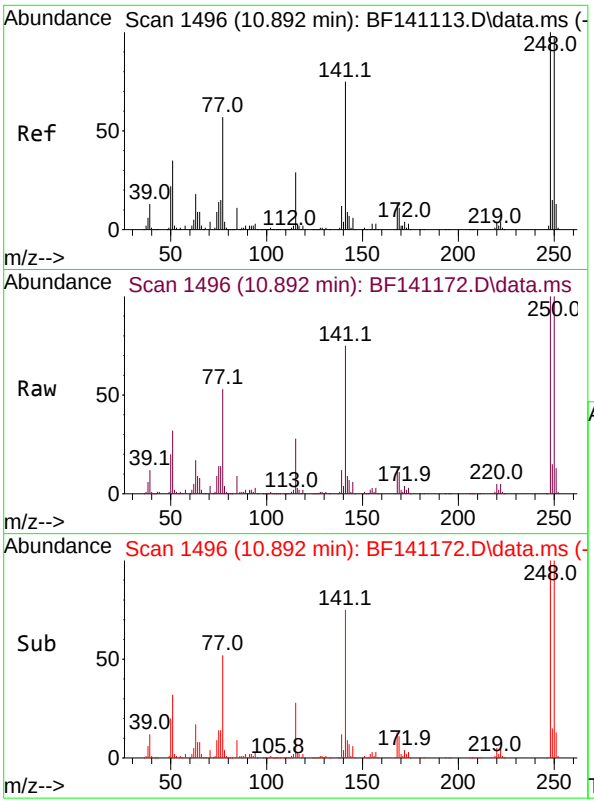




#66
n-Nitrosodiphenylamine
Concen: 52.076 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:169 Resp: 760298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.4 | 52.5 | 78.7 |
| 167 | 36.1 | 28.9 | 43.3 |



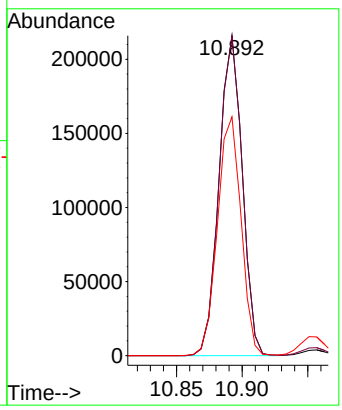


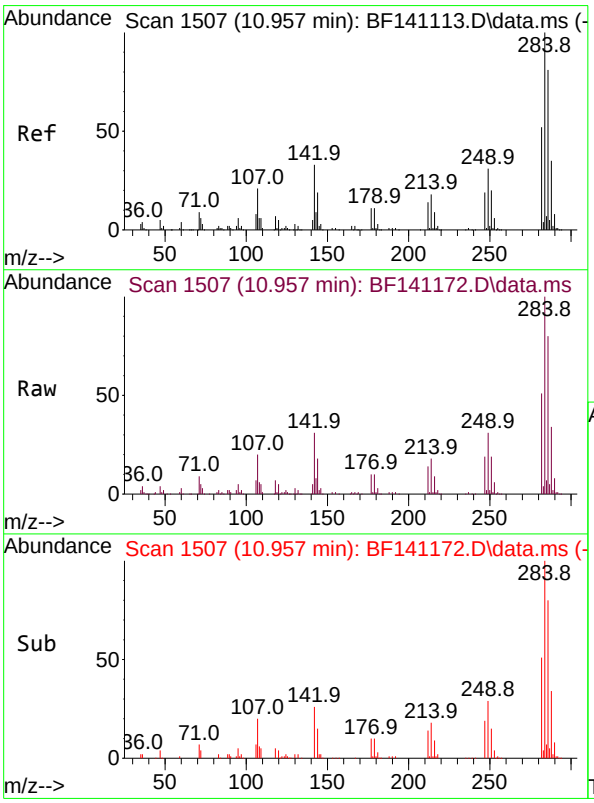

#67
4-Bromophenyl-phenylether
Concen: 51.032 ng
RT: 10.892 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:248 Resp: 265942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.8 | 77.9 | 116.9 |
| 141 | 74.7 | 59.9 | 89.9 |

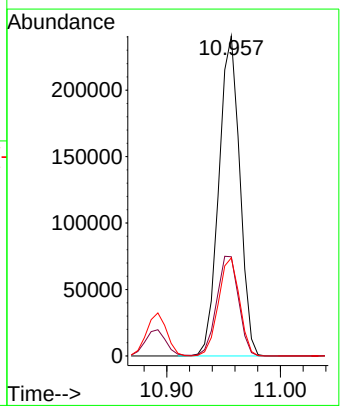


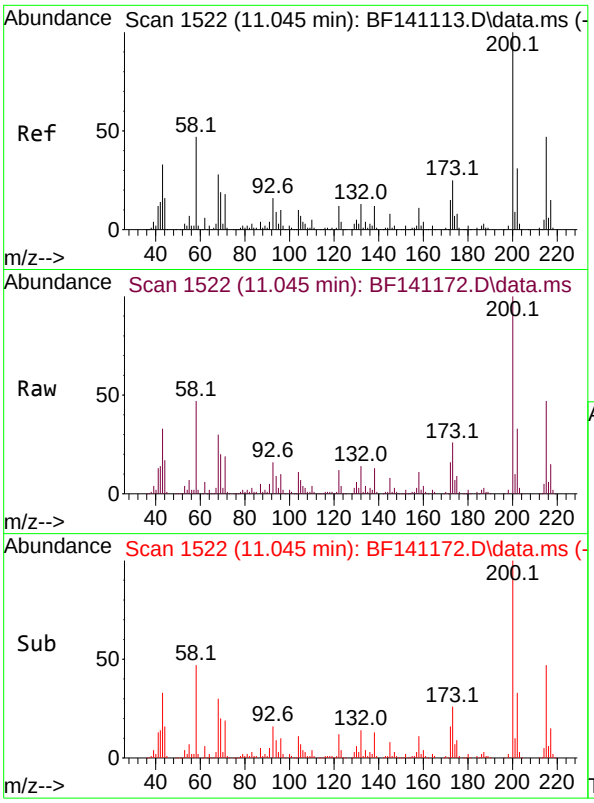




#68
Hexachlorobenzene
Concen: 53.114 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:284 Resp: 308124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.0 | 26.3 | 39.5 |
| 249 | 30.7 | 24.9 | 37.3 |



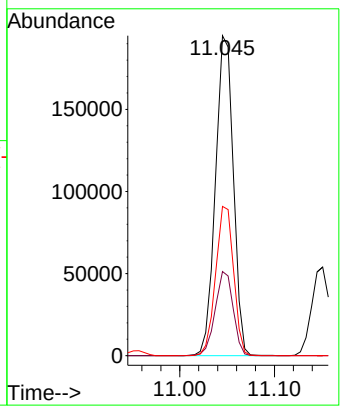


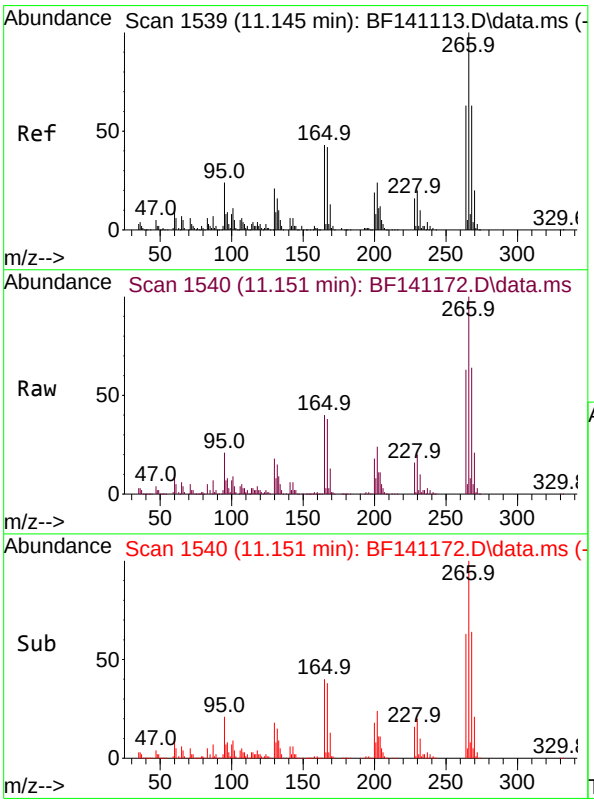

#69
Atrazine
Concen: 65.219 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:200 Resp: 256384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.3 | 5.4 | 45.4 |
| 215 | 46.6 | 26.6 | 66.6 |

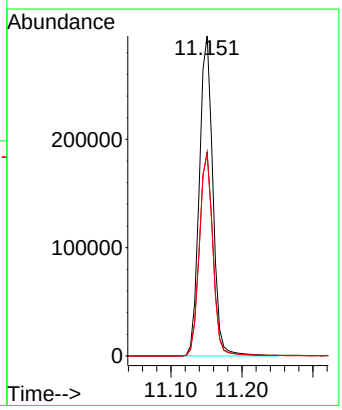


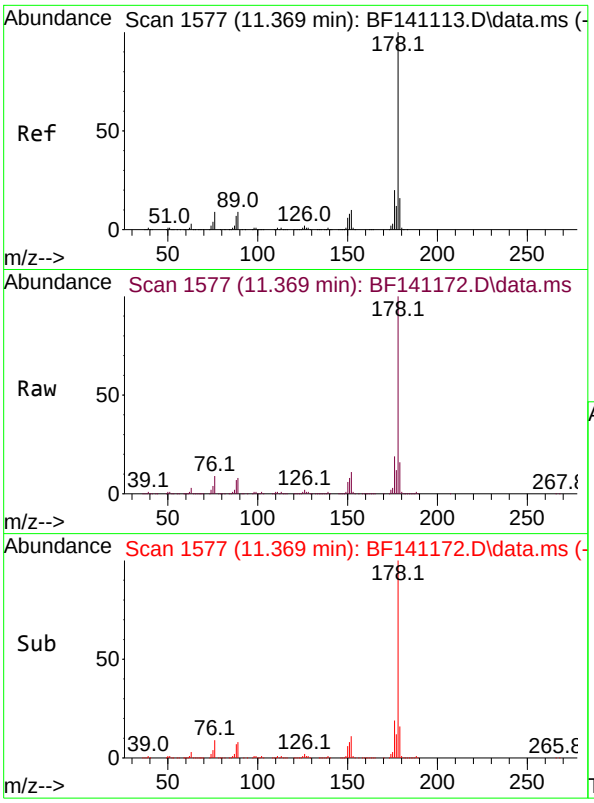




#70
Pentachlorophenol
Concen: 105.741 ng
RT: 11.151 min Scan# 1540
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:266 Resp: 392836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.7 | 50.4 | 75.6 |
| 264 | 63.1 | 50.2 | 75.2 |



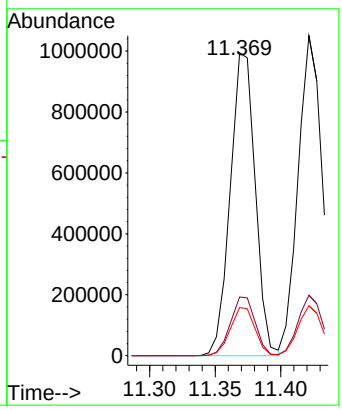


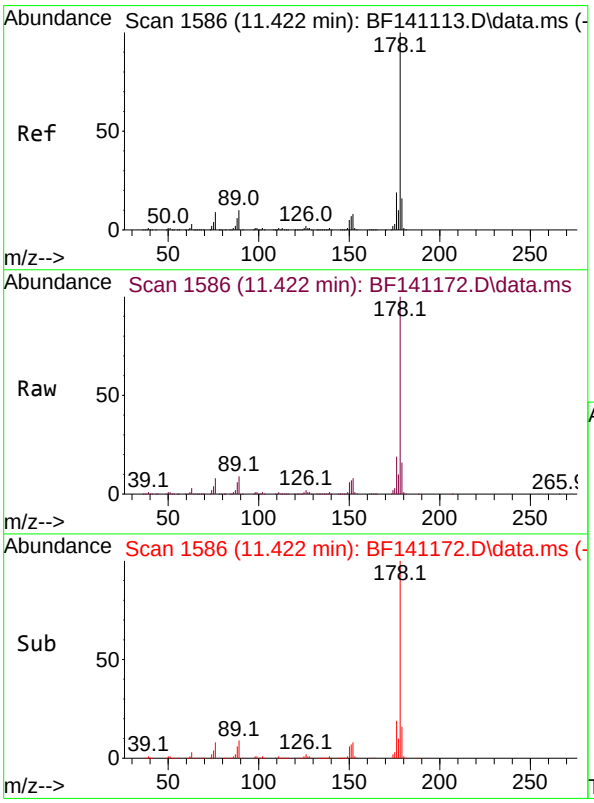

#71
Phenanthrene
Concen: 54.316 ng
RT: 11.369 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:178 Resp: 1319932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.7 | 23.5 |
| 179 | 15.9 | 12.6 | 19.0 |

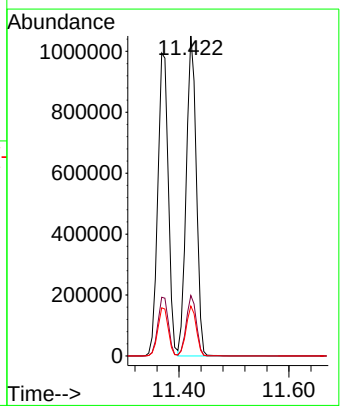


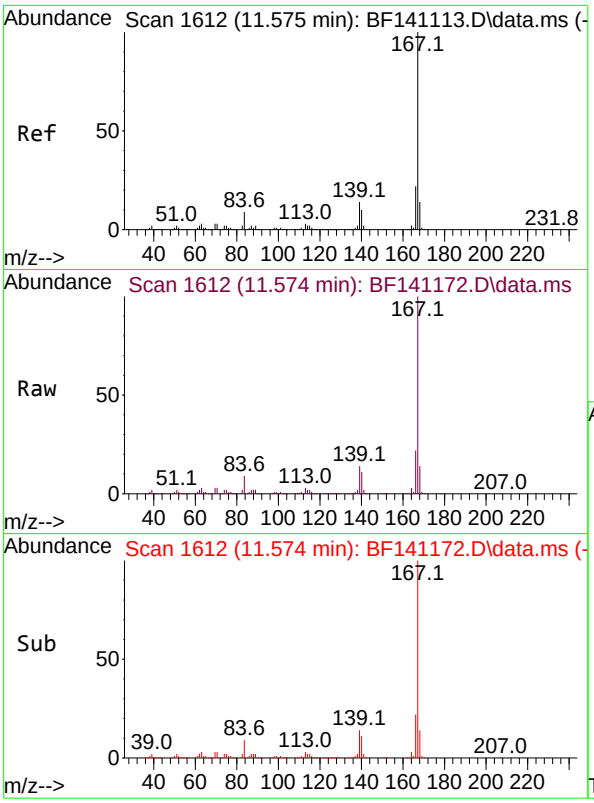




#72
Anthracene
Concen: 56.385 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:178 Resp: 1332321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 14.9 | 22.3 |
| 179 | 15.6 | 12.6 | 19.0 |



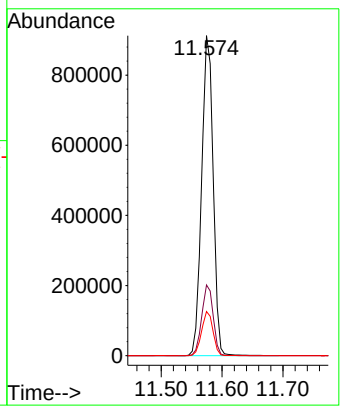


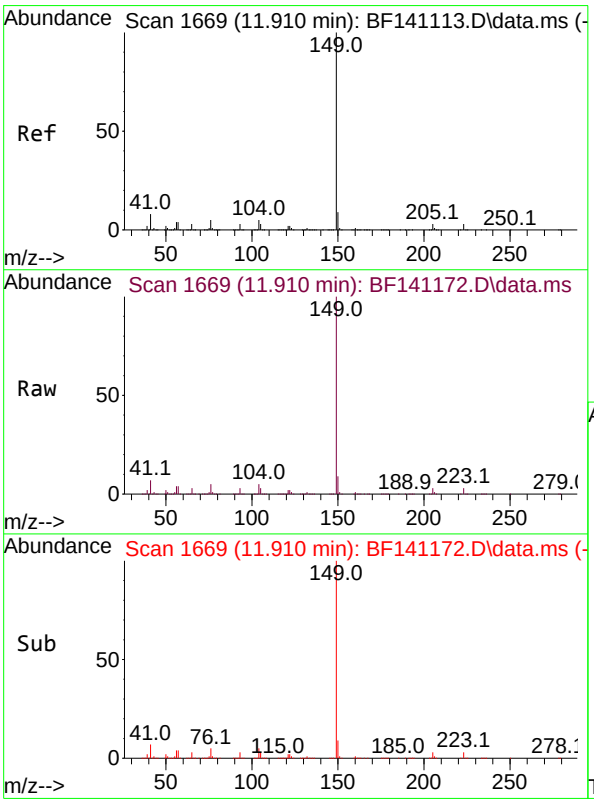

#73
Carbazole
Concen: 55.334 ng
RT: 11.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:167 Resp: 1198881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.1 | 17.4 | 26.2 |
| 139 | 13.8 | 10.9 | 16.3 |

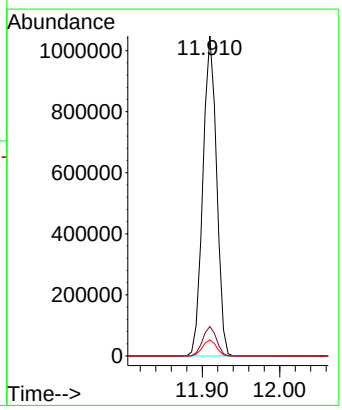


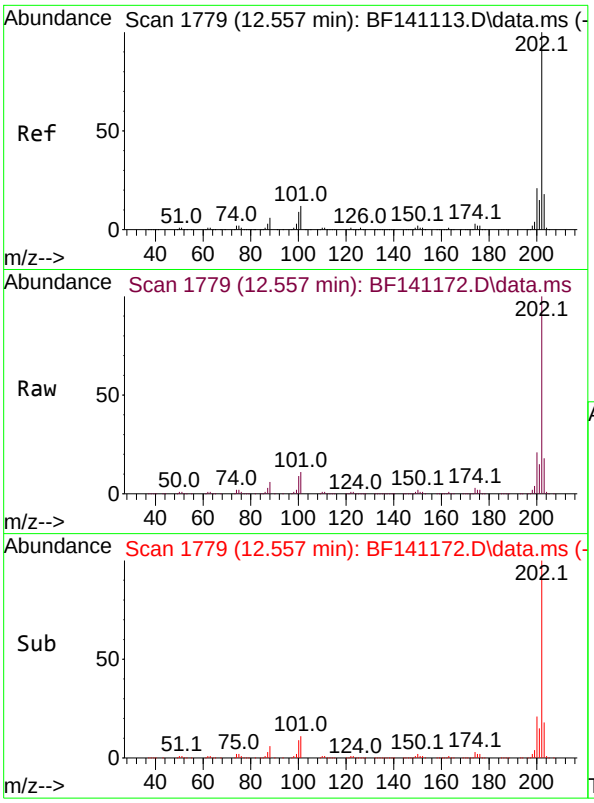




#74
Di-n-butylphthalate
Concen: 51.891 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:149 Resp: 1286652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.4 | 11.2 |
| 104 | 5.1 | 4.2 | 6.2 |



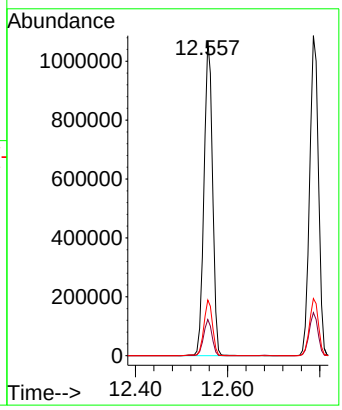


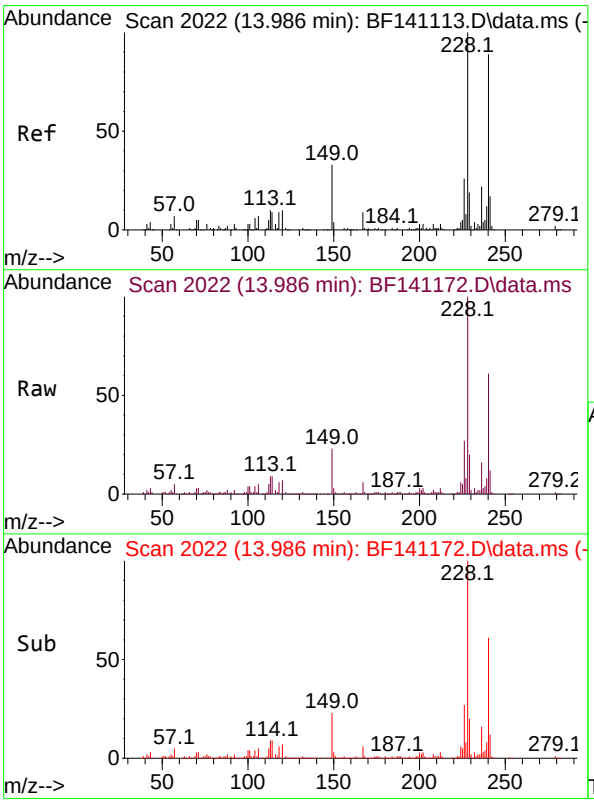

#75
Fluoranthene
Concen: 57.245 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:202 Resp: 1388188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.5 | 0.0 | 32.3 |
| 203 | 17.7 | 0.0 | 37.7 |

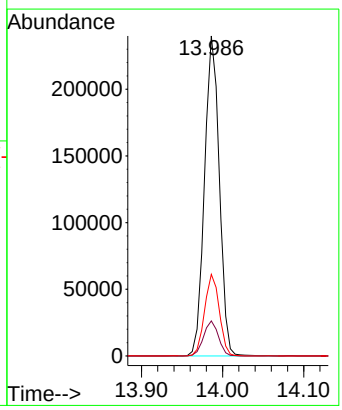


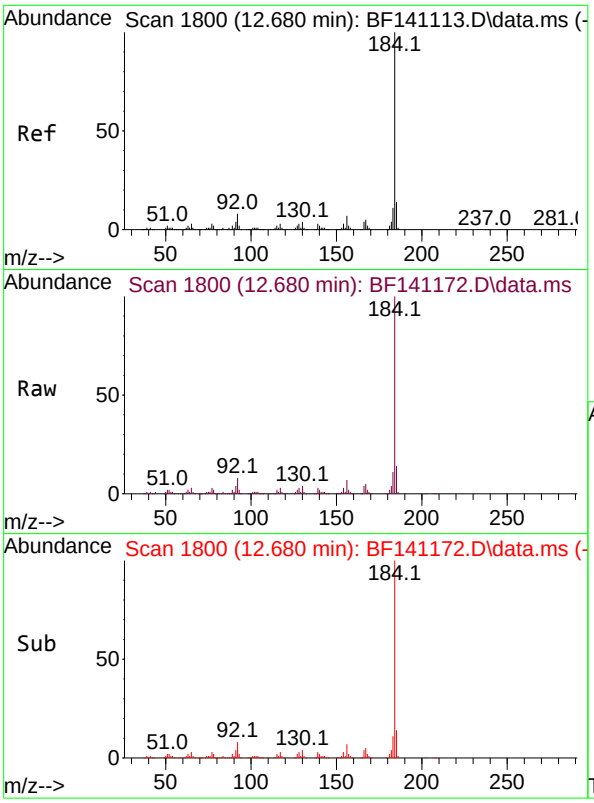




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:240 Resp: 303424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.9 | 9.1 | 13.7 |
| 236 | 25.5 | 19.8 | 29.6 |



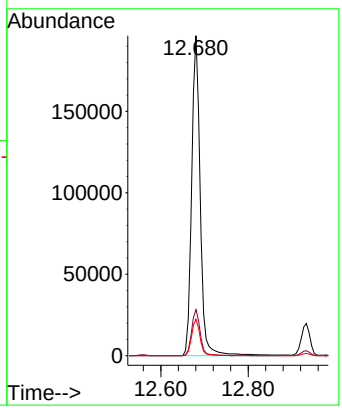


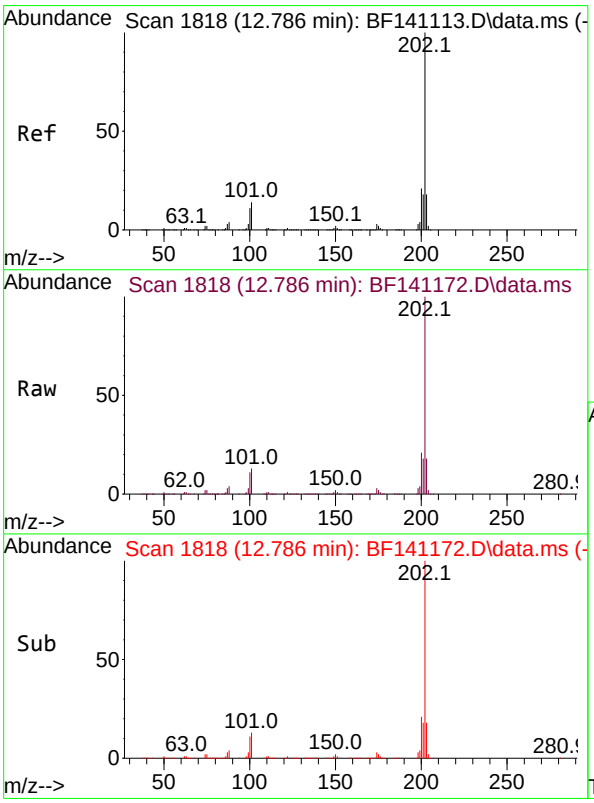

#77
Benzidine
Concen: 47.639 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:184 Resp: 268054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.4 | 11.4 | 17.0 |
| 183 | 11.4 | 9.2 | 13.8 |

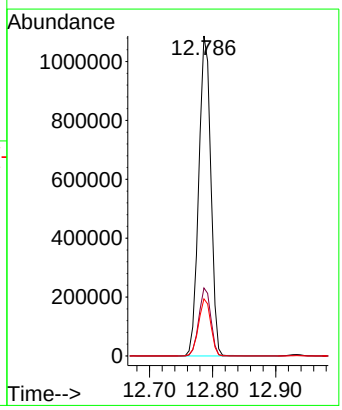


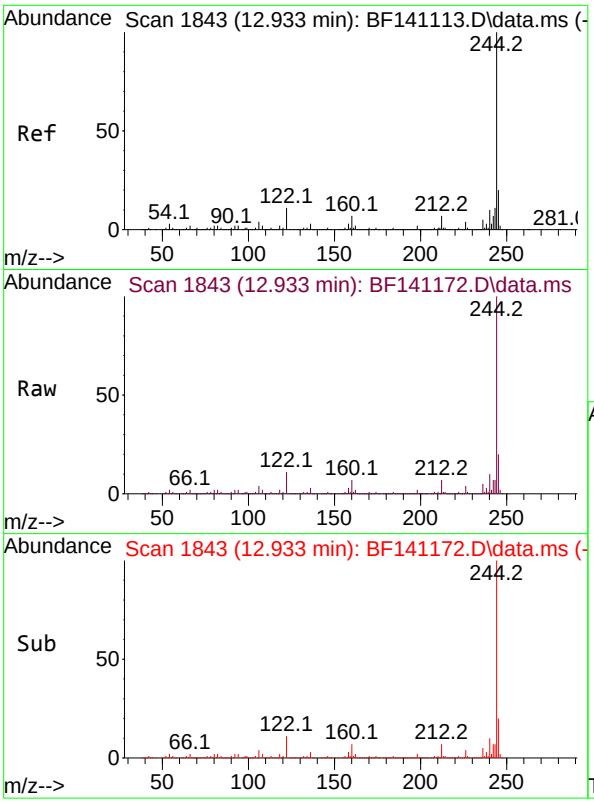




#78
Pyrene
Concen: 49.572 ng
RT: 12.786 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:202 Resp: 1436638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 16.8 | 25.2 |
| 203 | 17.9 | 14.3 | 21.5 |



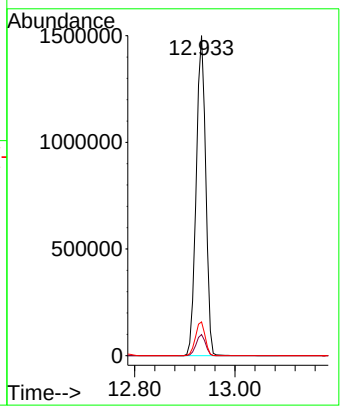


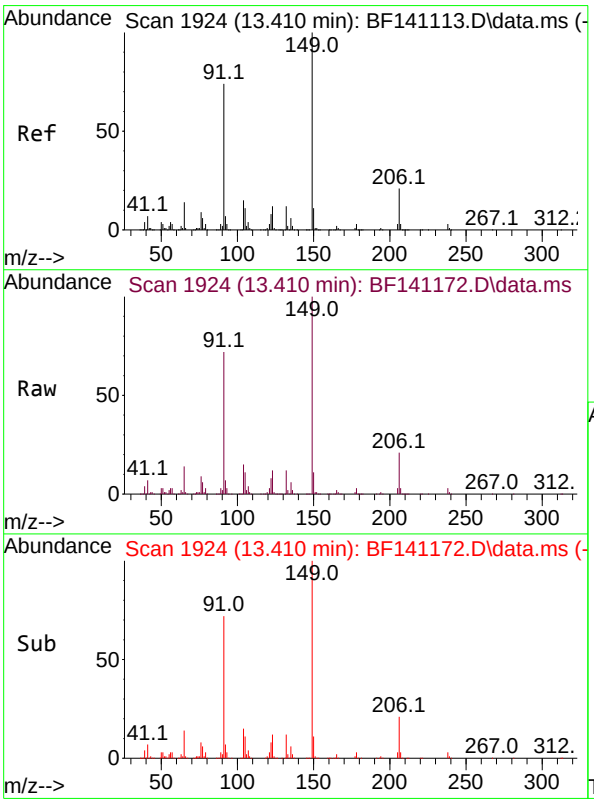

#79
Terphenyl-d14
Concen: 96.512 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:244 Resp: 1970268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.4 | 8.2 |
| 122 | 10.5 | 8.8 | 13.2 |

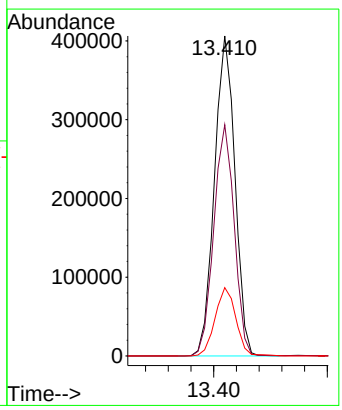


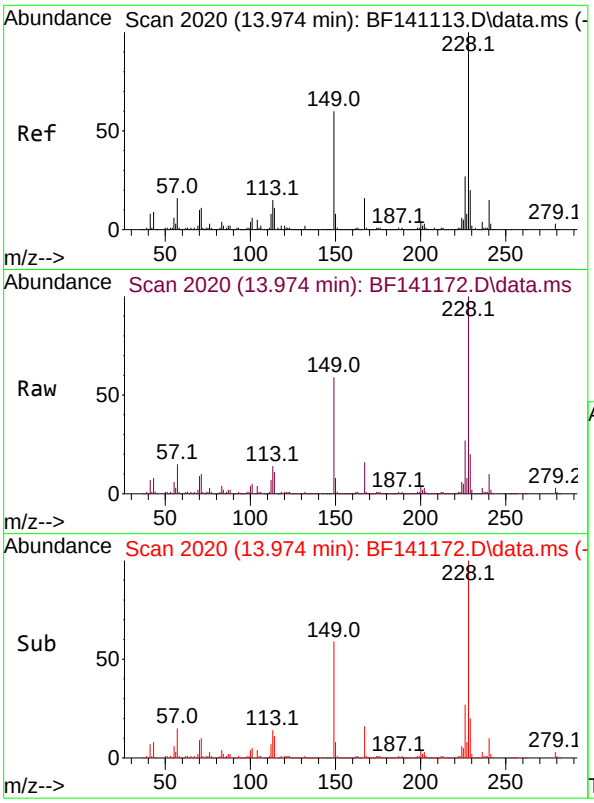




#80
Butylbenzylphthalate
Concen: 52.657 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:149 Resp: 508795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.2 | 59.0 | 88.6 |
| 206 | 21.3 | 16.5 | 24.7 |



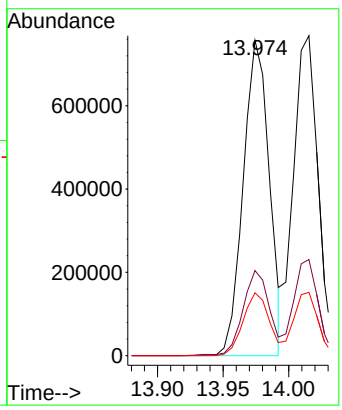


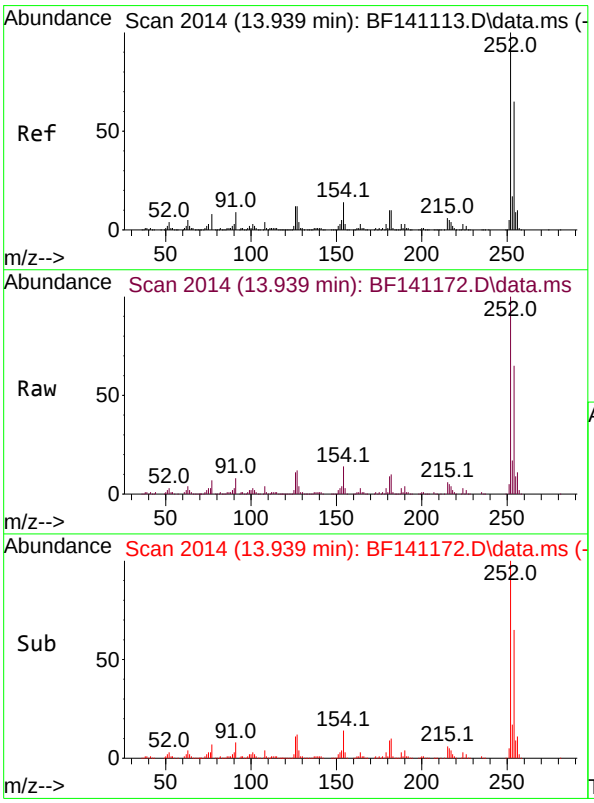

#81
Benzo(a)anthracene
Concen: 50.654 ng
RT: 13.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:228 Resp: 1046000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.0 | 21.7 | 32.5 |
| 229 | 20.0 | 15.7 | 23.5 |

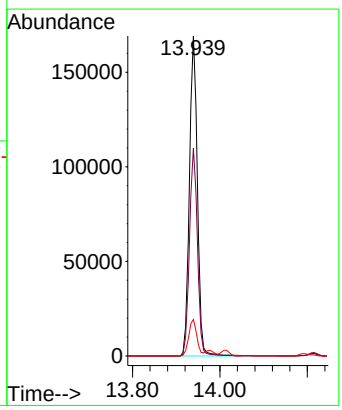


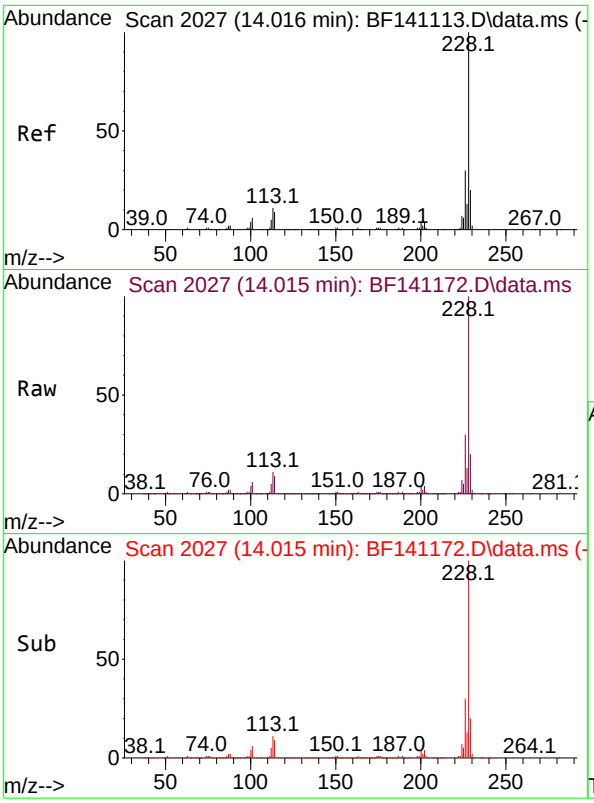




#82
3,3'-Dichlorobenzidine
Concen: 32.609 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:252 Resp: 214412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.0 | 52.0 | 78.0 |
| 126 | 11.4 | 9.4 | 14.0 |



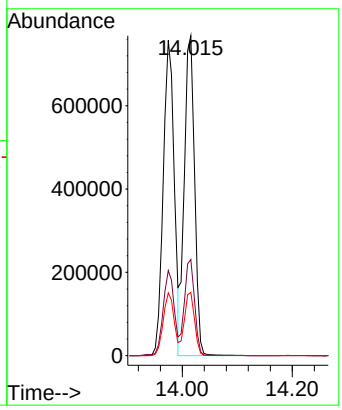


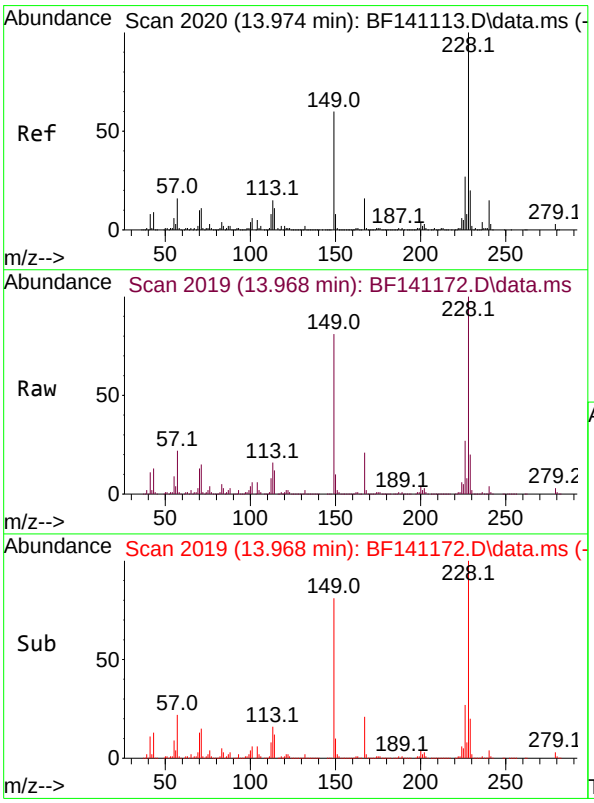

#83
Chrysene
Concen: 51.701 ng
RT: 14.015 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:228 Resp: 998963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 23.8 | 35.8 |
| 229 | 19.8 | 15.8 | 23.8 |

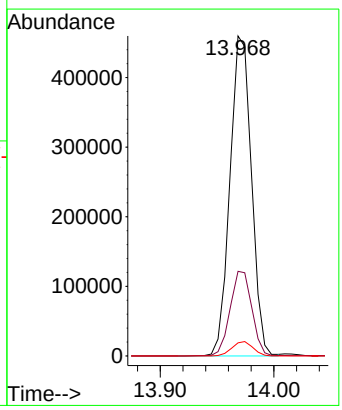


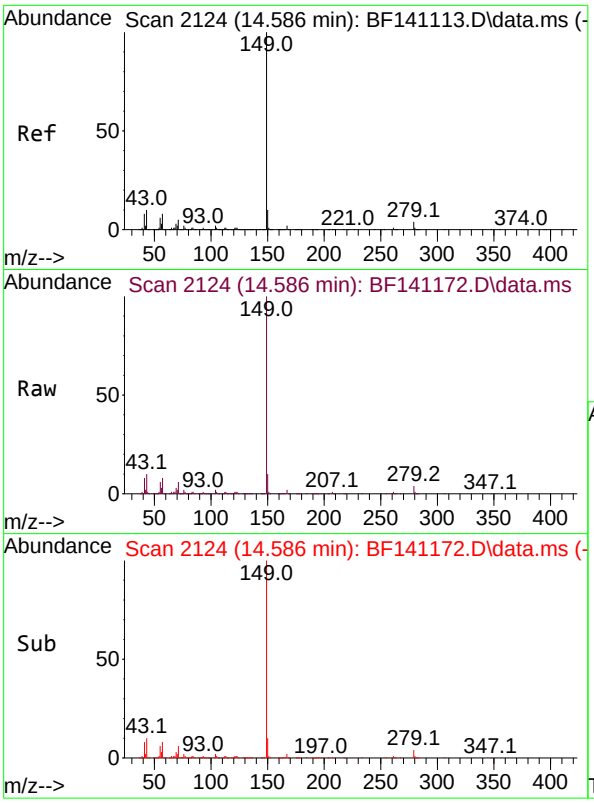




#84
Bis(2-ethylhexyl)phthalate
Concen: 52.112 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:149 Resp: 604164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.5 | 21.4 | 32.2 |
| 279 | 4.1 | 3.4 | 5.2 |



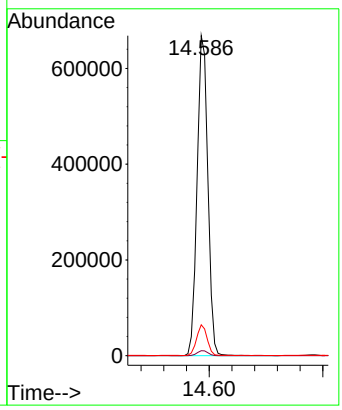


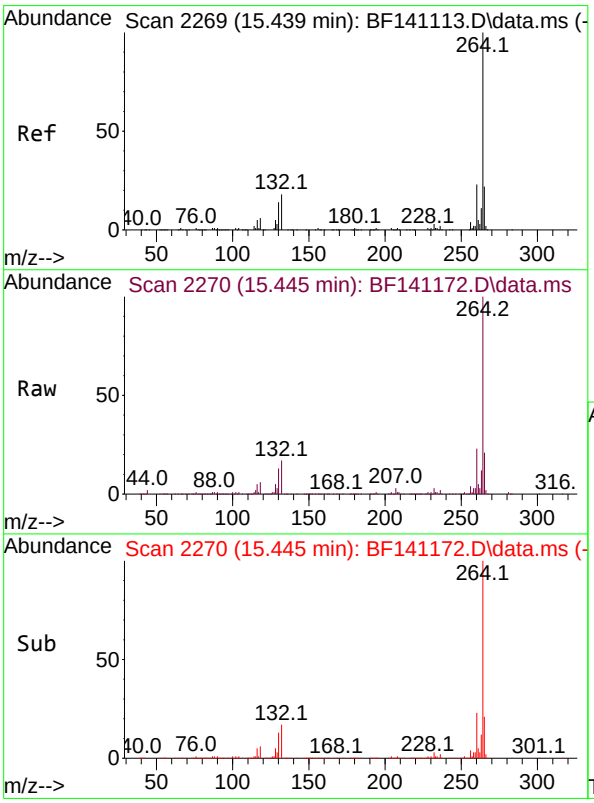

#85
Di-n-octyl phthalate
Concen: 50.327 ng
RT: 14.586 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:149 Resp: 881079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.4 | 8.4 | 12.6 |

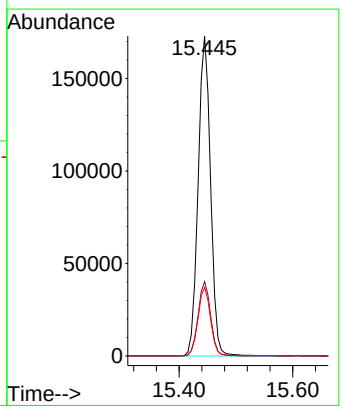


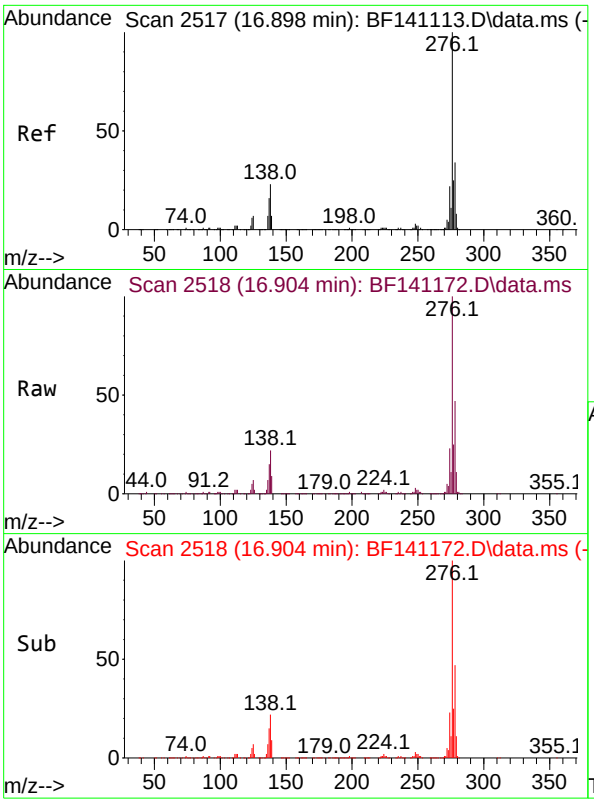




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:264 Resp: 262459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.6 | 28.0 |
| 265 | 21.4 | 17.4 | 26.0 |



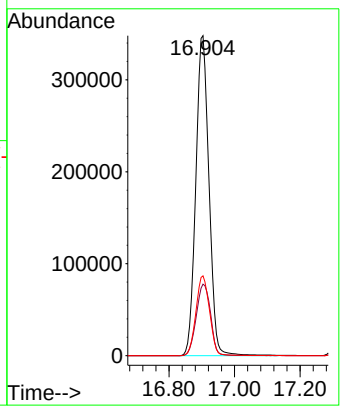


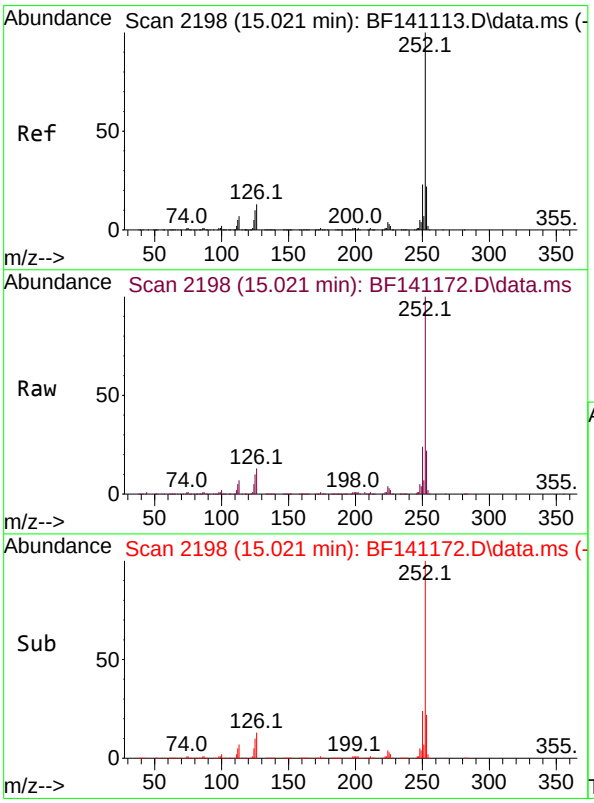

#87
Indeno(1,2,3-cd)pyrene
Concen: 50.722 ng
RT: 16.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:276 Resp: 975311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.2 | 20.7 | 31.1 |
| 277 | 25.8 | 20.6 | 30.8 |

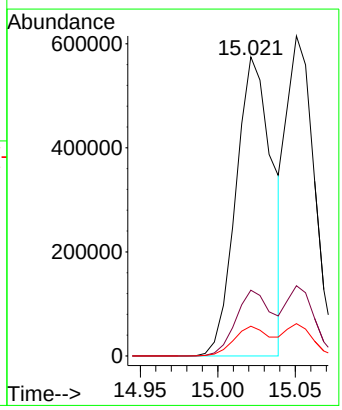


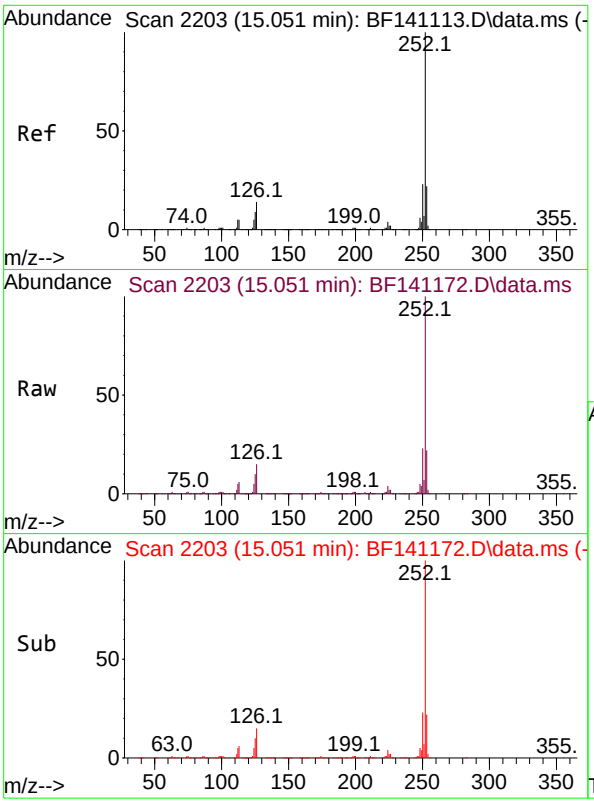




#88
Benzo(b)fluoranthene
Concen: 55.502 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:252 Resp: 939329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.8 | 26.6 |
| 125 | 10.0 | 8.1 | 12.1 |



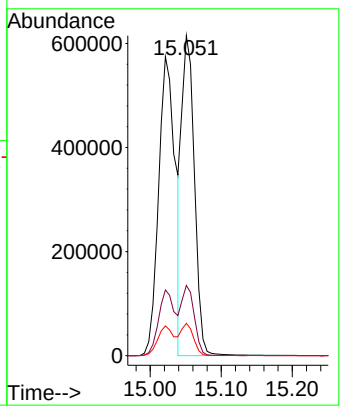


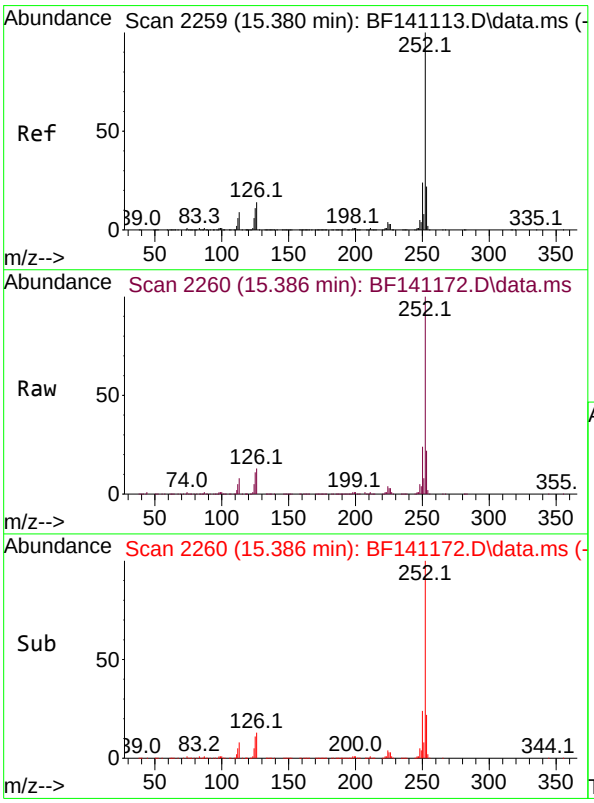

#89
Benzo(k)fluoranthene
Concen: 53.645 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:252 Resp: 767255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.8 | 26.8 |
| 125 | 10.1 | 7.9 | 11.9 |

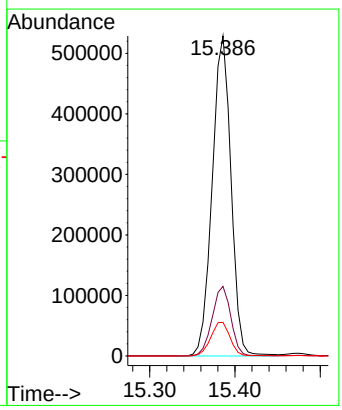


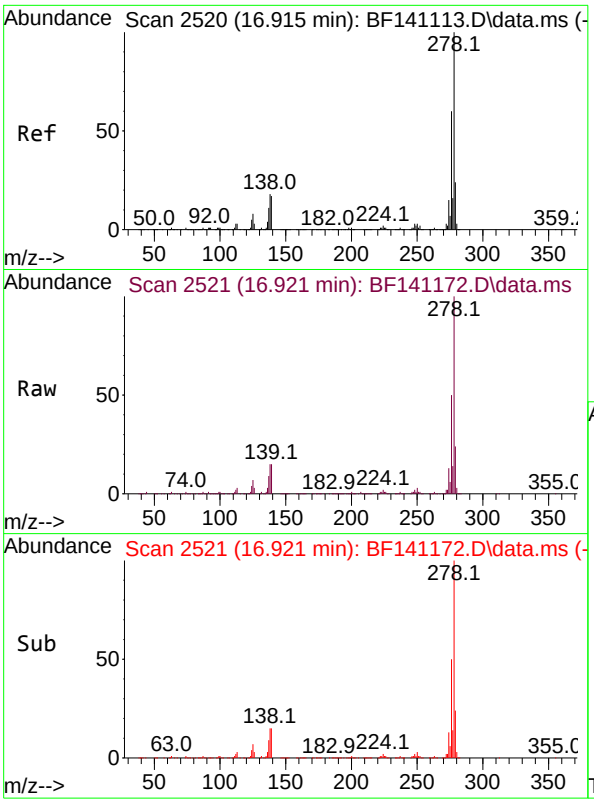




#90
Benzo(a)pyrene
Concen: 57.937 ng
RT: 15.386 min Scan# 2260
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:252 Resp: 809001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.7 | 26.5 |
| 125 | 10.5 | 9.1 | 13.7 |



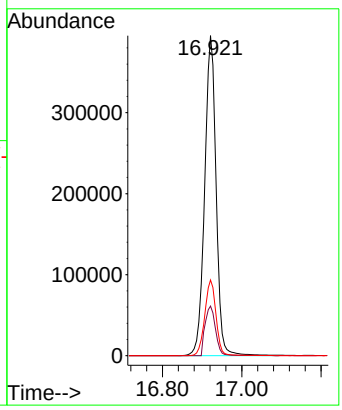


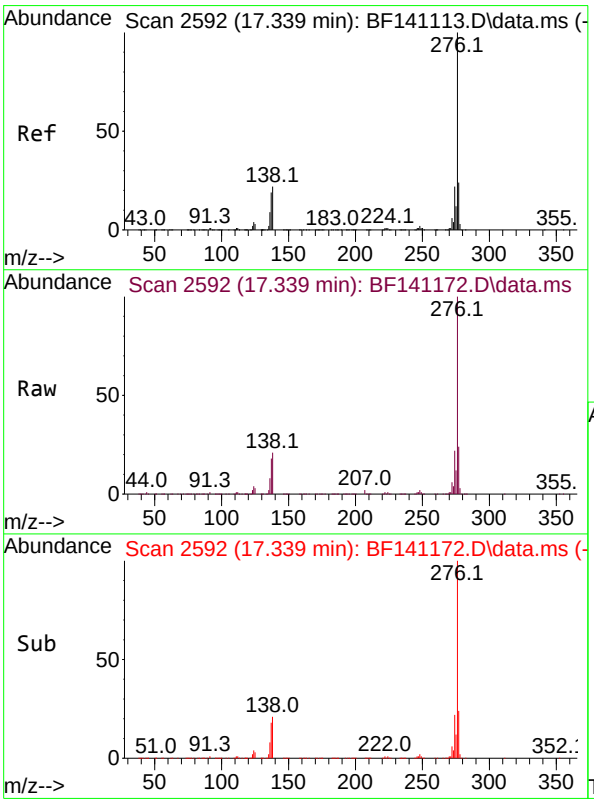

#91
Dibenzo(a,h)anthracene
Concen: 50.976 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:278 Resp: 792781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.5 | 13.8 | 20.6 |
| 279 | 23.7 | 19.1 | 28.7 |

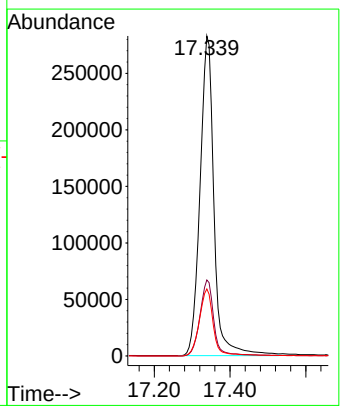



#92
Benzo(g,h,i)perylene
Concen: 44.709 ng
RT: 17.339 min Scan# 2592
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:276 Resp: 723237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 19.0 | 28.4 |
| 138 | 21.0 | 17.4 | 26.2 |



Raw Data: **BF141175.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 01/10/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 01/10/25 |
| Client Sample ID: | TR-06-1-10-2025MS | SDG No.: | Q1069 |
| Lab Sample ID: | Q1068-01MS | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 90.5 |
| Sample Wt/Vol: | 50.04 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 |
|---|---|---|---|---|
| BF141175.D | 1 | 01/13/25 08:54 | 01/15/25 15:05 | PB166035 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 120 | J | 120 | 180 | 220 | ug/Kg |
| 108-95-2 | Phenol | 630 | | 54.9 | 86.1 | 110 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 670 | | 55.4 | 86.1 | 110 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 620 | | 55.3 | 86.1 | 110 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 640 | | 53.4 | 86.1 | 110 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 640 | | 60.2 | 86.1 | 110 | ug/Kg |
| 98-86-2 | Acetophenone | 690 | | 57.6 | 86.1 | 110 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 640 | | 52.9 | 180 | 220 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 650 | | 26.7 | 53.0 | 53.0 | ug/Kg |
| 67-72-1 | Hexachloroethane | 620 | | 55.0 | 86.1 | 110 | ug/Kg |
| 98-95-3 | Nitrobenzene | 640 | | 60.2 | 86.1 | 110 | ug/Kg |
| 78-59-1 | Isophorone | 700 | | 56.0 | 86.1 | 110 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 530 | | 62.6 | 86.1 | 110 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 790 | | 61.7 | 86.1 | 110 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 690 | | 56.8 | 86.1 | 110 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 600 | | 50.0 | 86.1 | 110 | ug/Kg |
| 91-20-3 | Naphthalene | 690 | | 54.7 | 86.1 | 110 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 250 | | 54.7 | 86.1 | 110 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 650 | | 55.2 | 86.1 | 110 | ug/Kg |
| 105-60-2 | Caprolactam | 580 | | 57.5 | 180 | 220 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 620 | | 51.3 | 86.1 | 110 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 680 | | 54.7 | 86.1 | 110 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 1400 | | 100 | 180 | 220 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 380 | | 47.3 | 86.1 | 110 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 490 | | 49.0 | 86.1 | 110 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 740 | | 57.9 | 86.1 | 110 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 680 | | 55.2 | 86.1 | 110 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 690 | | 62.9 | 86.1 | 110 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 730 | | 54.1 | 86.1 | 110 | ug/Kg |

Raw Data: **BF141175.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 01/10/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 01/10/25 |
| Client Sample ID: | TR-06-1-10-2025MS | SDG No.: | Q1069 |
| Lab Sample ID: | Q1068-01MS | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 90.5 |
| Sample Wt/Vol: | 50.04 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 |
|---|---|---|---|---|
| BF141175.D | 1 | 01/13/25 08:54 | 01/15/25 15:05 | PB166035 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 850 | | 57.3 | 86.1 | 110 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 650 | | 55.1 | 86.1 | 110 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 500 | | 59.1 | 86.1 | 110 | ug/Kg |
| 83-32-9 | Acenaphthene | 670 | | 53.7 | 86.1 | 110 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 180 | U | 160 | 180 | 220 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 460 | | 76.8 | 180 | 220 | ug/Kg |
| 132-64-9 | Dibenzofuran | 680 | | 55.9 | 86.1 | 110 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 620 | | 57.1 | 86.1 | 110 | ug/Kg |
| 84-66-2 | Diethylphthalate | 690 | | 53.1 | 86.1 | 110 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 660 | | 56.7 | 86.1 | 110 | ug/Kg |
| 86-73-7 | Fluorene | 680 | | 56.6 | 86.1 | 110 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 530 | | 70.9 | 86.1 | 110 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 130 | J | 77.5 | 180 | 220 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 840 | | 54.1 | 86.1 | 110 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 800 | | 52.3 | 86.1 | 110 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 740 | | 56.3 | 86.1 | 110 | ug/Kg |
| 1912-24-9 | Atrazine | 980 | | 60.5 | 86.1 | 110 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 530 | | 51.2 | 180 | 220 | ug/Kg |
| 85-01-8 | Phenanthrene | 880 | | 55.6 | 86.1 | 110 | ug/Kg |
| 120-12-7 | Anthracene | 880 | | 55.9 | 86.1 | 110 | ug/Kg |
| 86-74-8 | Carbazole | 730 | | 53.2 | 86.1 | 110 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 790 | | 55.8 | 86.1 | 110 | ug/Kg |
| 206-44-0 | Fluoranthene | 1000 | | 54.1 | 86.1 | 110 | ug/Kg |
| 129-00-0 | Pyrene | 750 | | 55.0 | 86.1 | 110 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 610 | | 64.1 | 86.1 | 110 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 450 | | 65.3 | 180 | 220 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 920 | | 53.5 | 86.1 | 110 | ug/Kg |
| 218-01-9 | Chrysene | 830 | | 52.7 | 86.1 | 110 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 710 | | 60.3 | 86.1 | 110 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 860 | | 72.9 | 180 | 220 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 990 | | 53.7 | 86.1 | 110 | ug/Kg |

Raw Data: **BF141175.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 01/10/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 01/10/25 |
| Client Sample ID: | TR-06-1-10-2025MS | SDG No.: | Q1069 |
| Lab Sample ID: | Q1068-01MS | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 90.5 |
| Sample Wt/Vol: | 50.04 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 |
|---|---|---|---|---|
| BF141175.D | 1 | 01/13/25 08:54 | 01/15/25 15:05 | PB166035 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 910 | | 54.7 | 86.1 | 110 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 1100 | | 61.6 | 86.1 | 110 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 660 | | 51.7 | 86.1 | 110 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 550 | | 53.8 | 86.1 | 110 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 690 | | 53.1 | 86.1 | 110 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 740 | | 57.5 | 86.1 | 110 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 530 | | 72.9 | 86.1 | 110 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 250 | | 49.5 | 86.1 | 110 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 69.8 | | 35 - 115 | | 47% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 80.8 | | 34 - 127 | | 54% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 61.4 | | 37 - 122 | | 61% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 65.8 | | 44 - 115 | | 66% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 33.3 | * | 39 - 132 | | 22% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 45.4 | * | 54 - 127 | | 45% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 151000 | 6.822 | | | | |
| 1146-65-2 | Naphthalene-d8 | 561000 | 8.104 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 265000 | 9.857 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 350000 | 11.345 | | | | |
| 1719-03-5 | Chrysene-d12 | 323000 | 13.986 | | | | |
| 1520-96-3 | Perylene-d12 | 315000 | 15.451 | | | | |

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\BF011525\
Data File : BF141175.D
Acq On : 15 Jan 2025 15:05
Operator : RC/JU
Sample : Q1068-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Quant Time: Jan 15 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 151239 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 561441 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.857 | 164 | 265282 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 349564 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.986 | 240 | 322664 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.451 | 264 | 314686 | 20.000 | ng | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 683044 | 69.768 | ng | | 0.00 |
| 7) Phenol-d6 | 6.445 | 99 | 1001559 | 80.762 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.381 | 82 | 649918 | 61.362 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.645 | 330 | 100774 | 33.339 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.180 | 172 | 1143953 | 65.849 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 984818 | 45.364 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.575 | 88 | 105406 | 24.177 | ng | | 99 |
| 3) Pyridine | 3.316 | 79 | 252917 | 23.657 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.257 | 42 | 146758 | 28.074 | ng | | 100 |
| 6) Aniline | 6.481 | 93 | 159952 | 14.527 | ng | | 96 |
| 8) 2-Chlorophenol | 6.604 | 128 | 293315 | 27.925 | ng | | 97 |
| 9) Benzaldehyde | 6.369 | 77 | 40960 | 5.608 | ng | | 95 |
| 10) Phenol | 6.463 | 94 | 379203 | 28.565 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.557 | 93 | 298559 | 30.178 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.763 | 146 | 323049 | 27.576 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.839 | 146 | 327369 | 27.731 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 6.992 | 146 | 311743 | 28.310 | ng | | 97 |
| 15) Benzyl Alcohol | 6.957 | 79 | 271930 | 30.363 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098 | 45 | 397871 | 28.820 | ng | | 97 |
| 17) 2-Methylphenol | 7.069 | 107 | 245642 | 28.967 | ng | | 99 |
| 18) Hexachloroethane | 7.334 | 117 | 120353 | 28.192 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.234 | 70 | 215674 | 29.523 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.222 | 107 | 309253 | 28.906 | ng | # | 87 |
| 22) Acetophenone | 7.228 | 105 | 419952 | 31.465 | ng | | 97 |
| 24) Nitrobenzene | 7.404 | 77 | 320631 | 29.046 | ng | | 99 |
| 25) Isophorone | 7.639 | 82 | 574003 | 31.712 | ng | | 99 |
| 26) 2-Nitrophenol | 7.716 | 139 | 120397 | 23.977 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.751 | 122 | 241988 | 35.728 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.851 | 93 | 355223 | 31.271 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.957 | 162 | 217566 | 27.047 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 263047 | 28.609 | ng | | 100 |
| 31) Naphthalene | 8.128 | 128 | 918606 | 31.026 | ng | | 100 |
| 32) Benzoic acid | 7.857 | 122 | 8091m | 1.245 | ng | | |
| 33) 4-Chloroaniline | 8.175 | 127 | 115343 | 11.264 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 162534 | 29.337 | ng | | 99 |
| 35) Caprolactam | 8.516 | 113 | 69129 | 26.249 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.651 | 107 | 246845 | 28.059 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 578514 | 30.662 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 536900 | 28.874 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.980 | 216 | 255628 | 33.573 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 159842 | 64.166 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 88165 | 17.169 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141175.D
Acq On : 15 Jan 2025 15:05
Operator : RC/JU
Sample : Q1068-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Quant Time: Jan 15 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

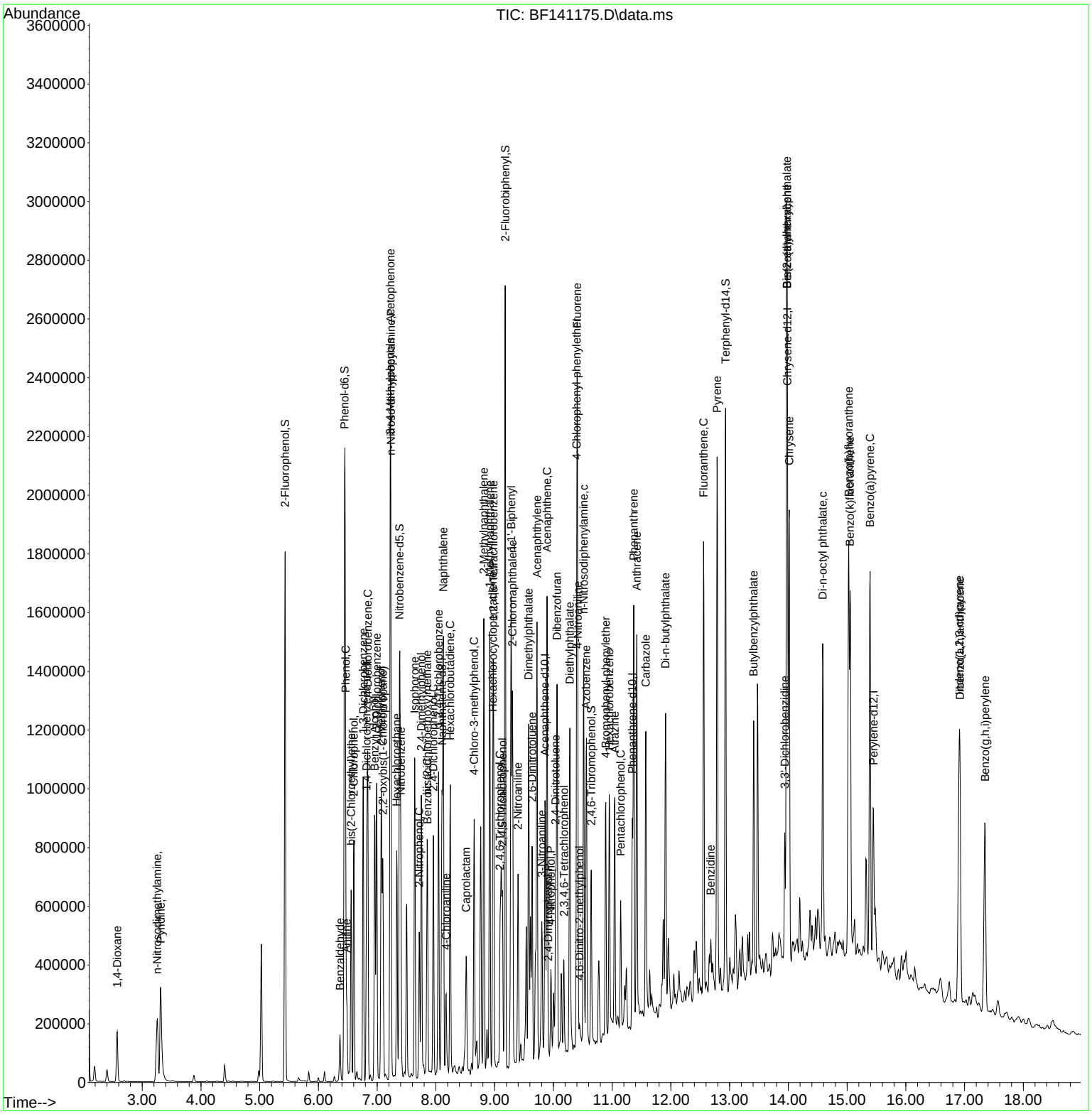
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.133 | 196 | 119487 | 22.032 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.280 | 154 | 690480 | 33.515 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.304 | 162 | 495753 | 30.895 | ng | | 100 |
| 48) 2-Nitroaniline | 9.398 | 65 | 149394 | 31.408 | ng | | 98 |
| 49) Acenaphthylene | 9.722 | 152 | 877645 | 38.283 | ng | | 100 |
| 50) Dimethylphthalate | 9.580 | 163 | 590143 | 33.137 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.639 | 165 | 122290 | 29.528 | ng | | 94 |
| 52) Acenaphthene | 9.892 | 154 | 485274 | 30.298 | ng | | 100 |
| 53) 3-Nitroaniline | 9.804 | 138 | 94941 | 22.559 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.910 | 184 | 6772 | 3.440 | ng | # | 1 |
| 55) Dibenzofuran | 10.063 | 168 | 667349 | 30.632 | ng | | 99 |
| 56) 4-Nitrophenol | 9.957 | 139 | 68610 | 20.816 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.039 | 165 | 150510 | 28.200 | ng | | 100 |
| 58) Fluorene | 10.404 | 166 | 518351 | 30.626 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.180 | 232 | 51375 | 11.396 | ng | # | 99 |
| 60) Diethylphthalate | 10.280 | 149 | 543883 | 31.282 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.398 | 204 | 247267 | 29.974 | ng | | 97 |
| 62) 4-Nitroaniline | 10.416 | 138 | 99151 | 24.070 | ng | | 99 |
| 63) Azobenzene | 10.557 | 77 | 532827 | 31.058 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198 | 12033 | 5.940 | ng | | 81 |
| 66) n-Nitrosodiphenylamine | 10.516 | 169 | 431187 | 38.243 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 145801 | 36.228 | ng | | 99 |
| 68) Hexachlorobenzene | 10.951 | 284 | 150906 | 33.684 | ng | | 98 |
| 69) Atrazine | 11.045 | 200 | 134509 | 44.306 | ng | | 100 |
| 70) Pentachlorophenol | 11.145 | 266 | 68531 | 23.886 | ng | | 99 |
| 71) Phenanthrene | 11.369 | 178 | 746258 | 39.764 | ng | | 99 |
| 72) Anthracene | 11.422 | 178 | 727636 | 39.875 | ng | | 99 |
| 73) Carbazole | 11.574 | 167 | 555900 | 33.223 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 684830 | 35.764 | ng | | 100 |
| 75) Fluoranthene | 12.557 | 202 | 867978 | 46.347 | ng | | 99 |
| 77) Benzidine | 12.680 | 184 | 98399 | 16.445 | ng | # | 95 |
| 78) Pyrene | 12.786 | 202 | 1043972 | 33.875 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 282822 | 27.525 | ng | | 100 |
| 81) Benzo(a)anthracene | 13.980 | 228 | 914236 | 41.633 | ng | | 95 |
| 82) 3,3'-Dichlorobenzidine | 13.939 | 252 | 141773 | 20.276 | ng | | 99 |
| 83) Chrysene | 14.015 | 228 | 771864 | 37.566 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149 | 394268 | 31.980 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.586 | 149 | 724119 | 38.895 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.909 | 276 | 685937 | 29.752 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 15.027 | 252 | 906206 | 44.658 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.051 | 252 | 706586m | 41.204 | ng | | |
| 90) Benzo(a)pyrene | 15.392 | 252 | 834847 | 49.865 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.921 | 278 | 468043 | 25.100 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.351 | 276 | 603676 | 31.124 | ng | | 98 |

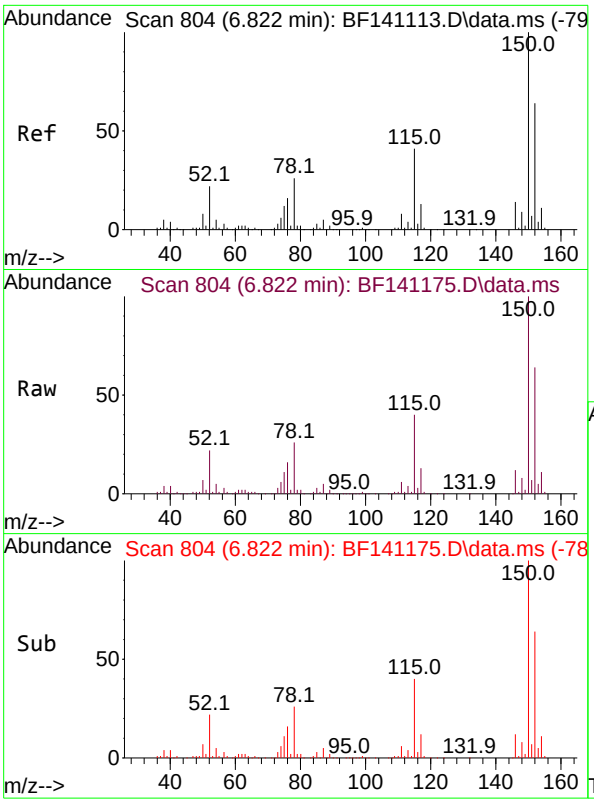
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141175.D
Acq On : 15 Jan 2025 15:05
Operator : RC/JU
Sample : Q1068-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Quant Time: Jan 15 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



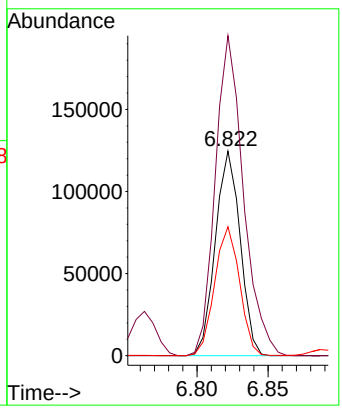


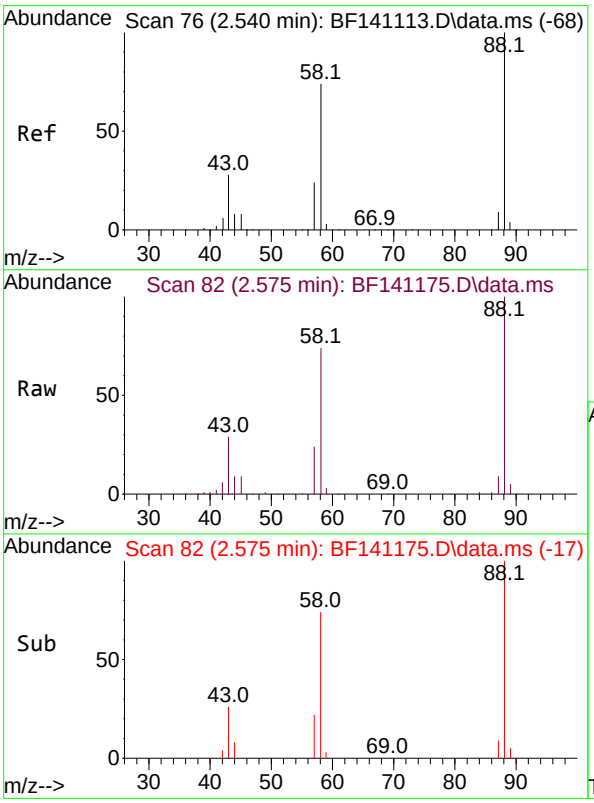

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:152 Resp: 151239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.5 | 125.8 | 188.8 |
| 115 | 63.1 | 51.4 | 77.2 |

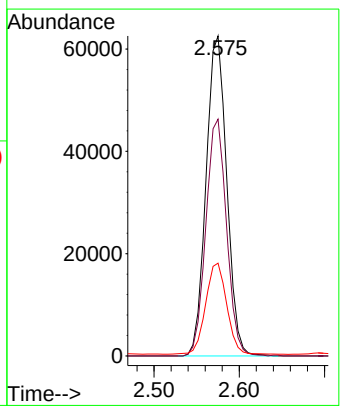


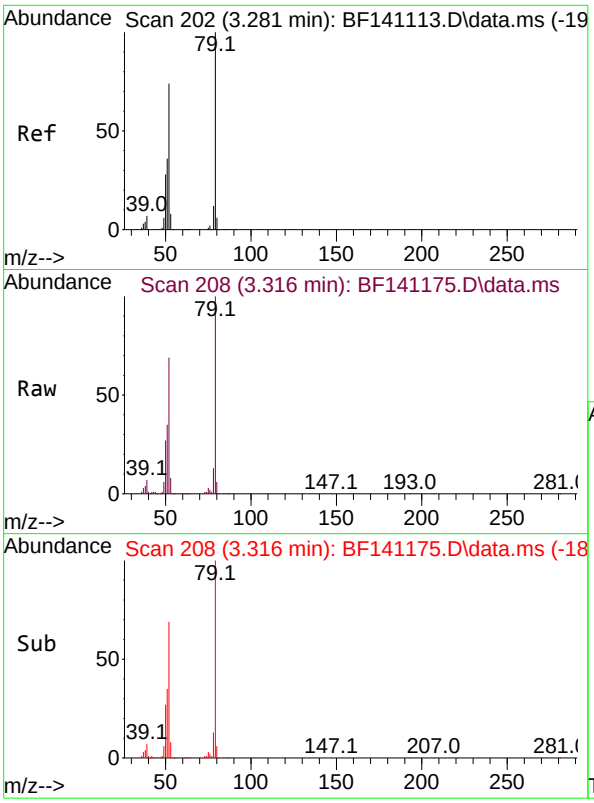




#2
1,4-Dioxane
Concen: 24.177 ng
RT: 2.575 min Scan# 82
Delta R.T. 0.035 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion: 88 Resp: 105406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.0 | 60.1 | 90.1 |
| 43 | 29.0 | 23.1 | 34.7 |



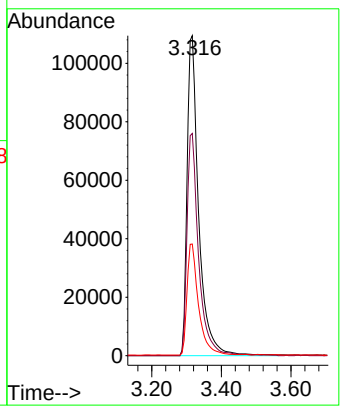


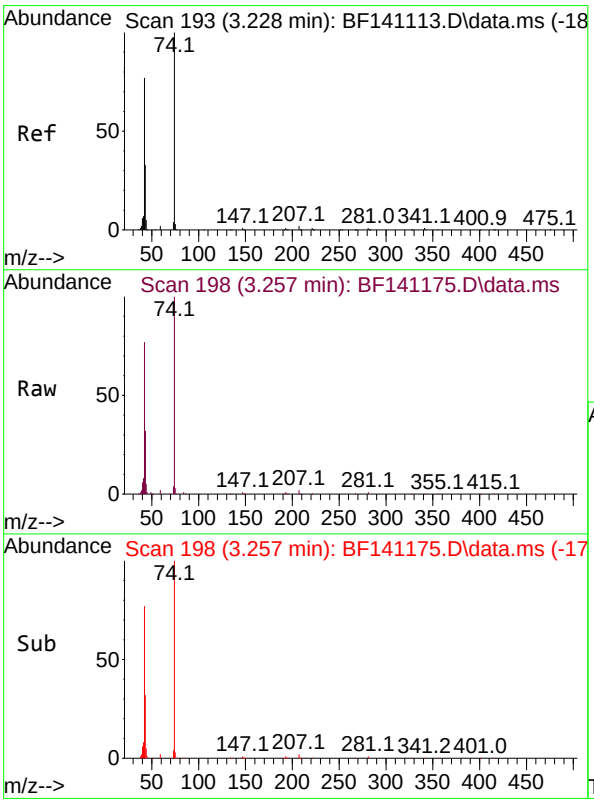

#3
Pyridine
Concen: 23.657 ng
RT: 3.316 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion: 79 Resp: 252917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 69.5 | 58.9 | 88.3 |
| 51 | 34.9 | 29.1 | 43.7 |

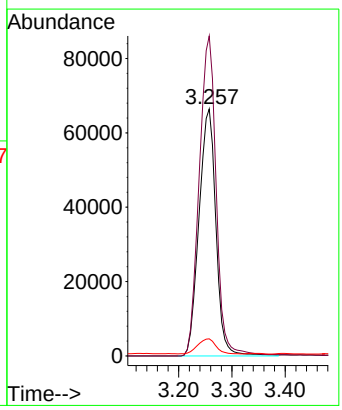


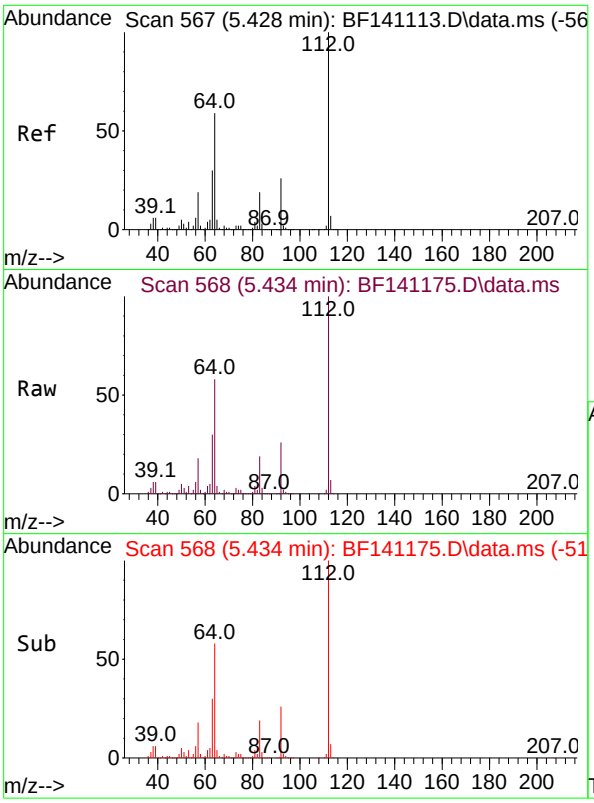




#4
n-Nitrosodimethylamine
Concen: 28.074 ng
RT: 3.257 min Scan# 198
Delta R.T. 0.029 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion: 42 Resp: 146758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 129.6 | 103.8 | 155.6 |
| 44 | 6.9 | 5.3 | 7.9 |



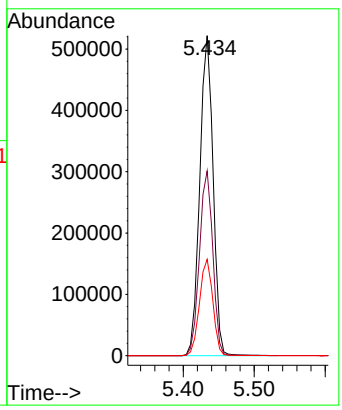


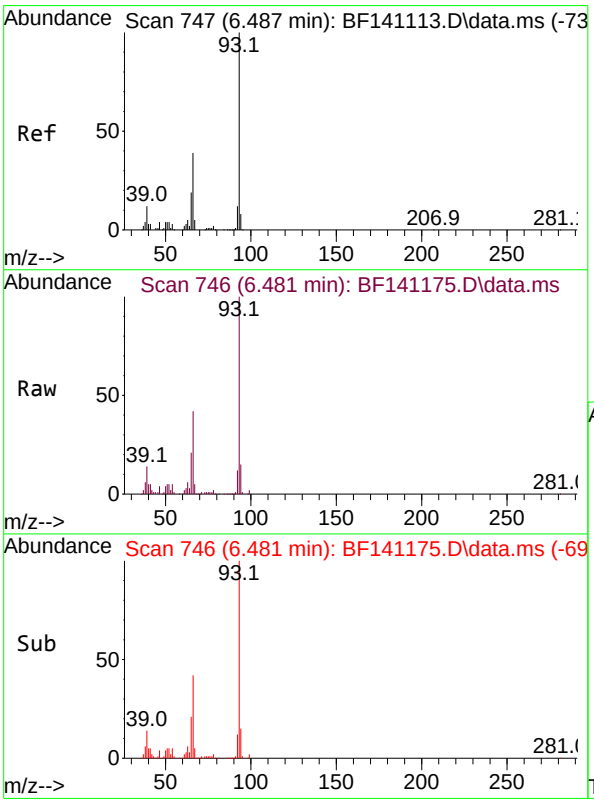

#5
2-Fluorophenol
Concen: 69.768 ng
RT: 5.434 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:112 Resp: 683044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.8 | 47.3 | 70.9 |
| 63 | 30.1 | 24.2 | 36.2 |

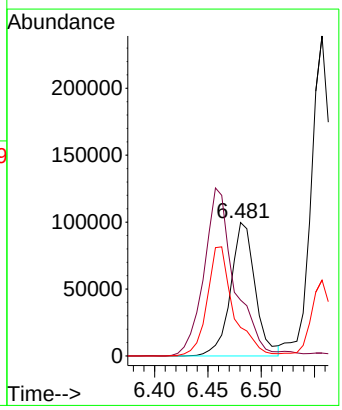


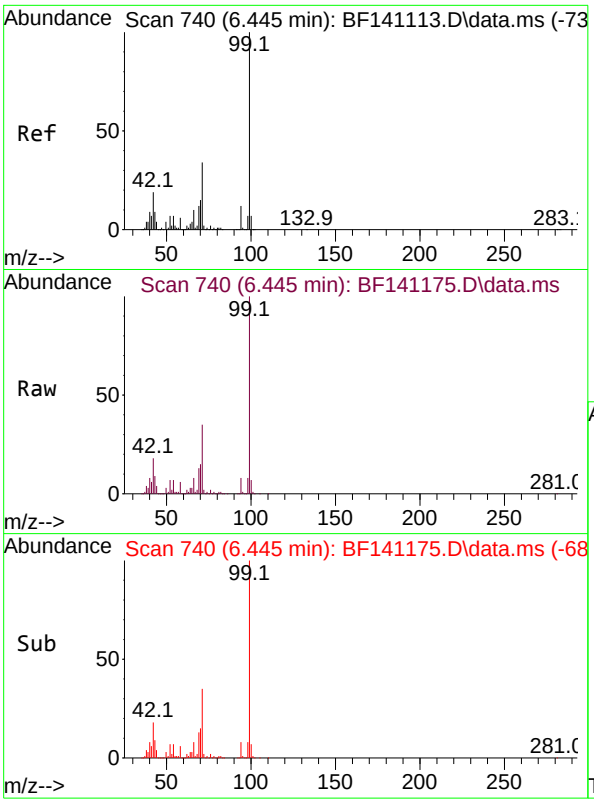




#6
Aniline
Concen: 14.527 ng
RT: 6.481 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion: 93 Resp: 159952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 41.8 | 31.5 | 47.3 |
| 65 | 21.3 | 15.3 | 22.9 |



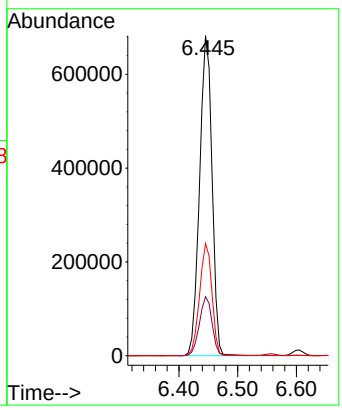


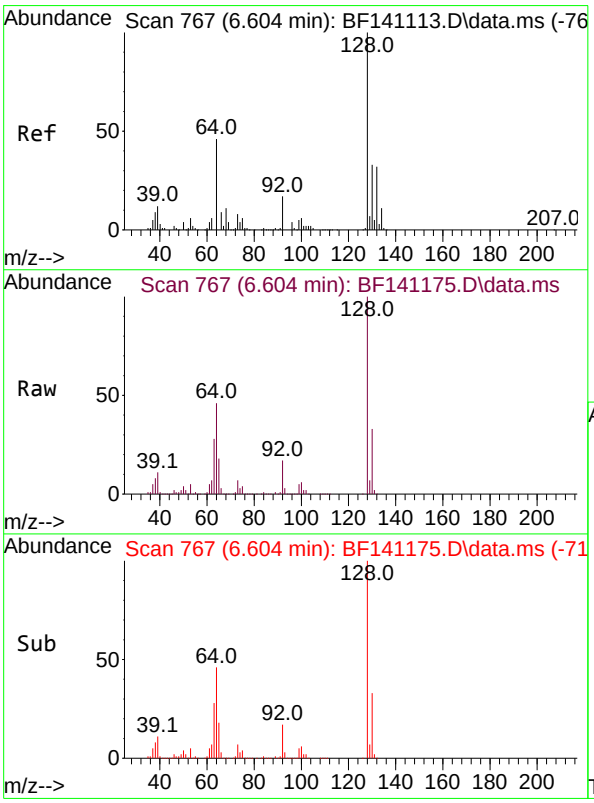

#7
Phenol-d6
Concen: 80.762 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion: 99 Resp: 1001559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.4 | 15.0 | 22.4 |
| 71 | 35.1 | 27.6 | 41.4 |

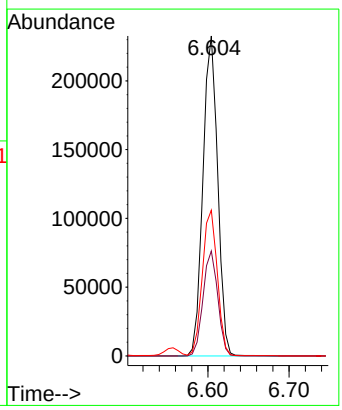


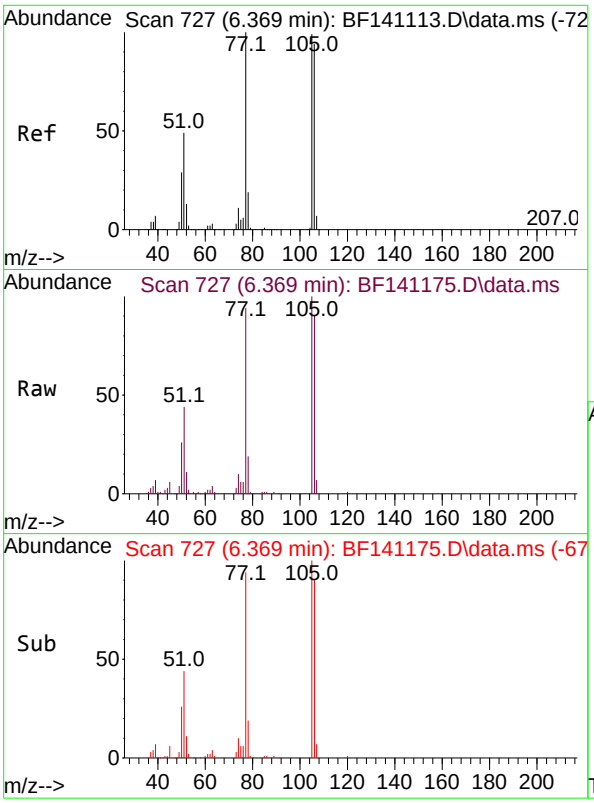




#8
2-Chlorophenol
Concen: 27.925 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:128 Resp: 293315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.8 | 12.5 | 52.5 |
| 64 | 45.6 | 28.3 | 68.3 |



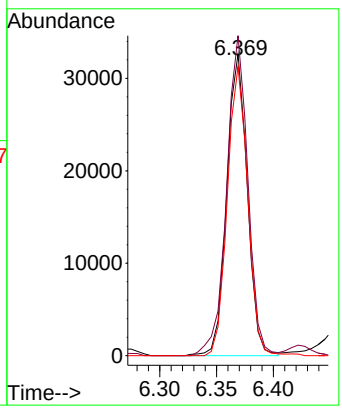


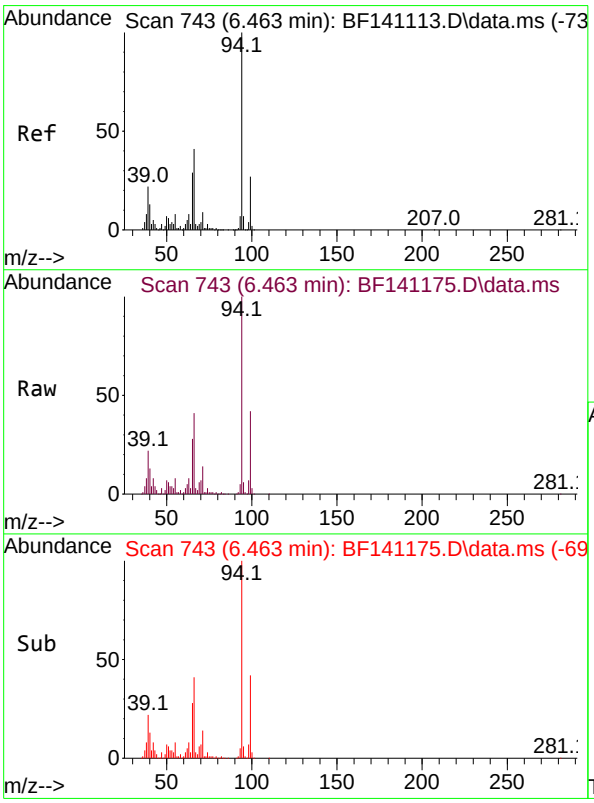

#9
Benzaldehyde
Concen: 5.608 ng
RT: 6.369 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion: 77 Resp: 40960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 106.0 | 78.9 | 118.9 |
| 106 | 95.8 | 73.6 | 113.6 |

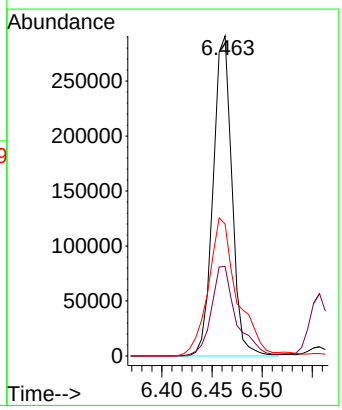


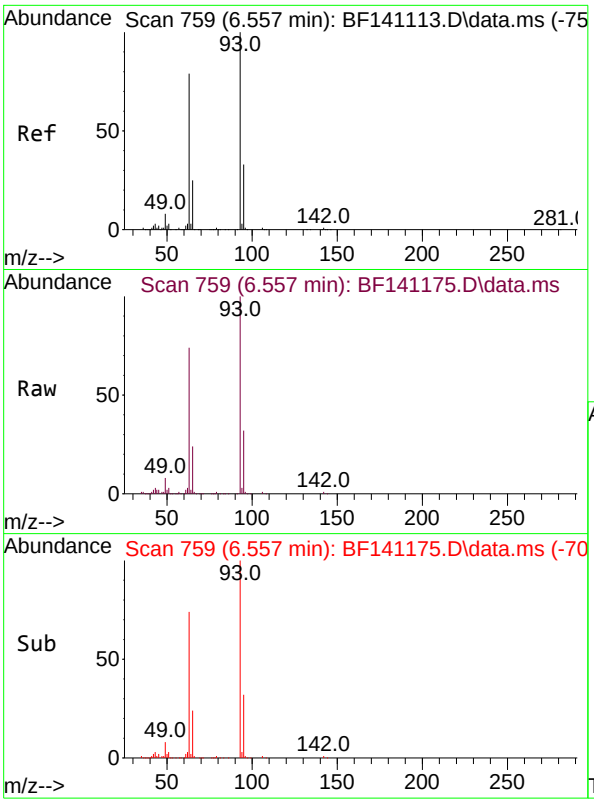




#10
Phenol
Concen: 28.565 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion: 94 Resp: 379203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.0 | 8.9 | 48.9 |
| 66 | 41.3 | 21.2 | 61.2 |



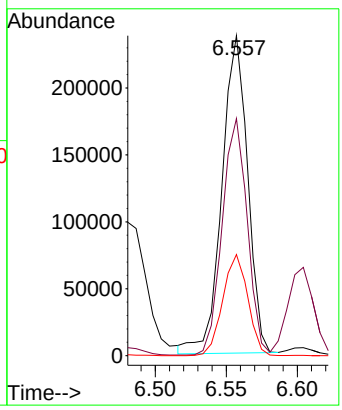


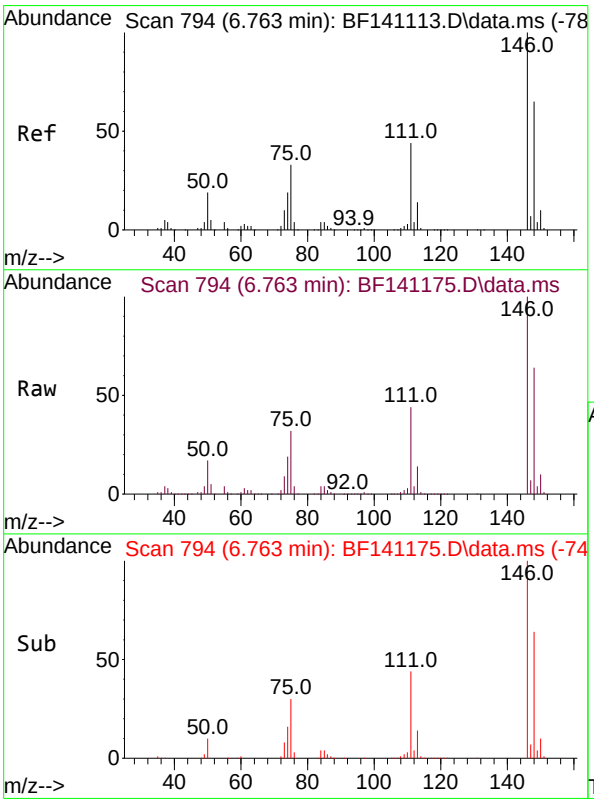

#11
bis(2-Chloroethyl)ether
Concen: 30.178 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion: 93 Resp: 298559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 74.1 | 58.0 | 98.0 |
| 95 | 31.6 | 12.5 | 52.5 |

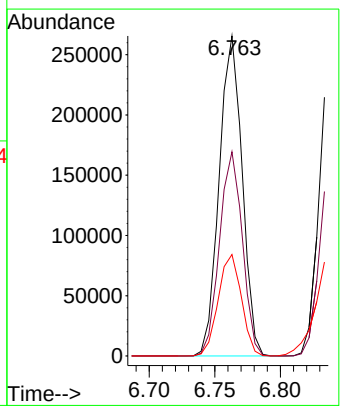


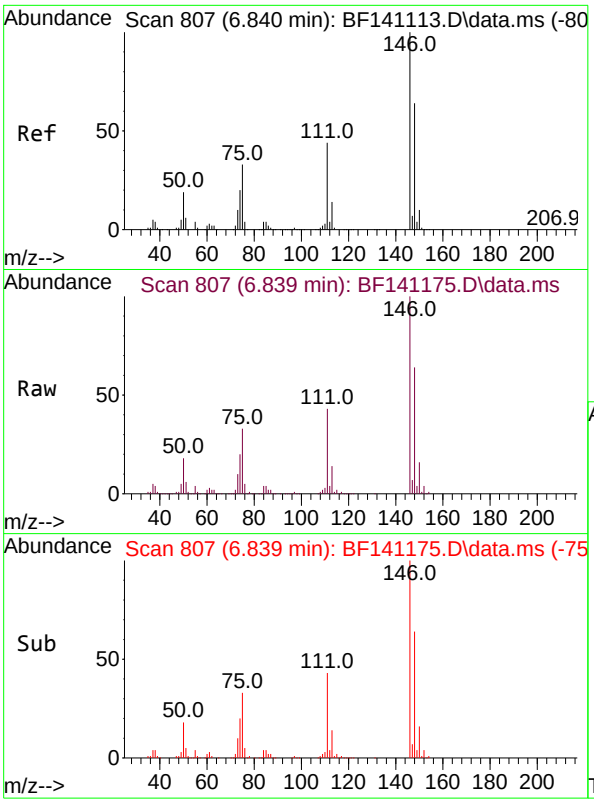




#12
1,3-Dichlorobenzene
Concen: 27.576 ng
RT: 6.763 min Scan# 794
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:146 Resp: 323049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.6 | 77.4 |
| 75 | 31.7 | 26.2 | 39.2 |



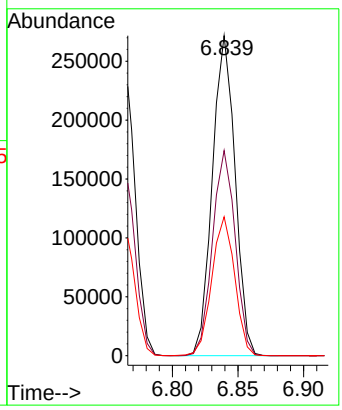


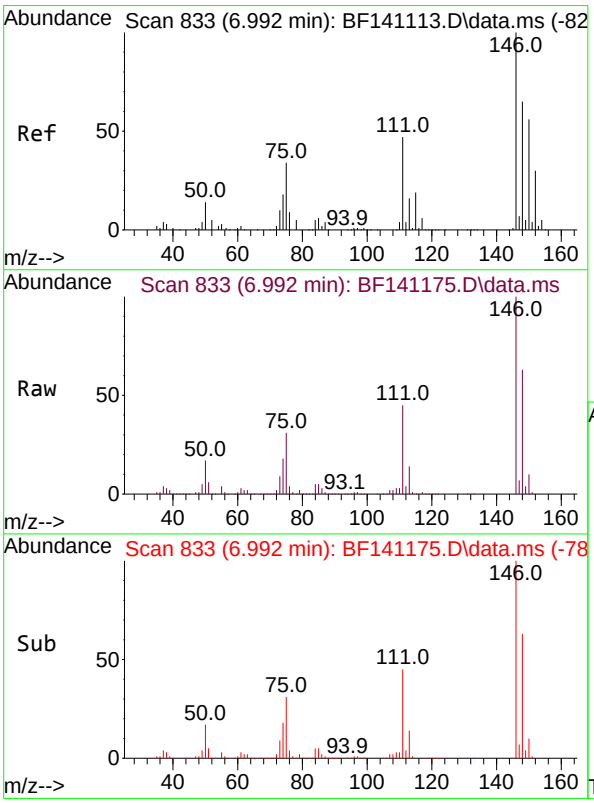

#13
1,4-Dichlorobenzene
Concen: 27.731 ng
RT: 6.839 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:146 Resp: 327369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.0 | 76.6 |
| 111 | 43.4 | 34.9 | 52.3 |

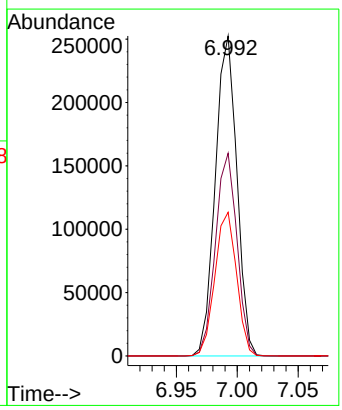


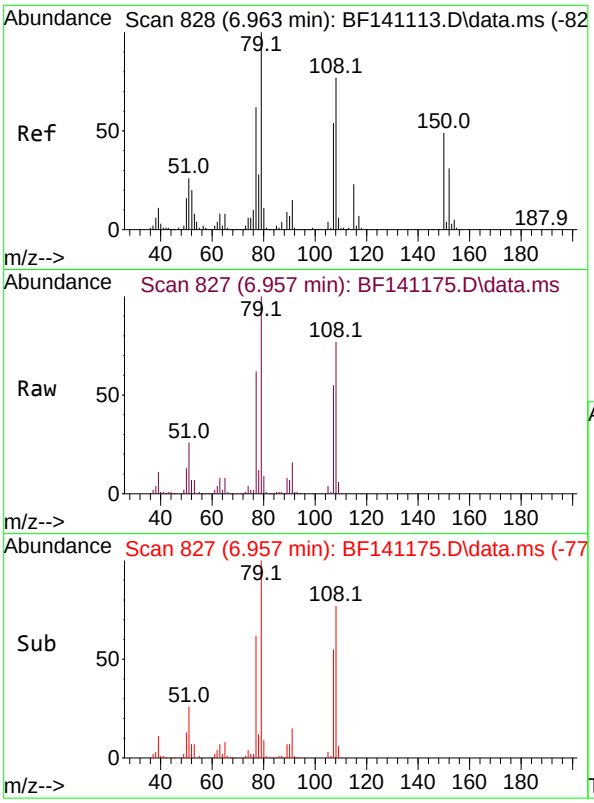




#14
1,2-Dichlorobenzene
Concen: 28.310 ng
RT: 6.992 min Scan# 833
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:146 Resp: 311743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 52.2 | 78.4 |
| 111 | 44.9 | 37.5 | 56.3 |



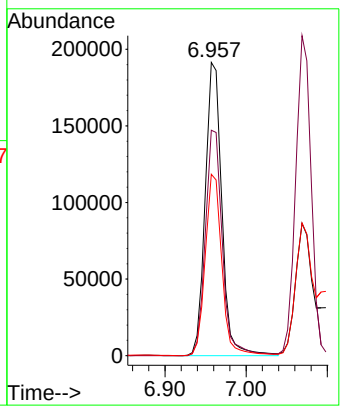


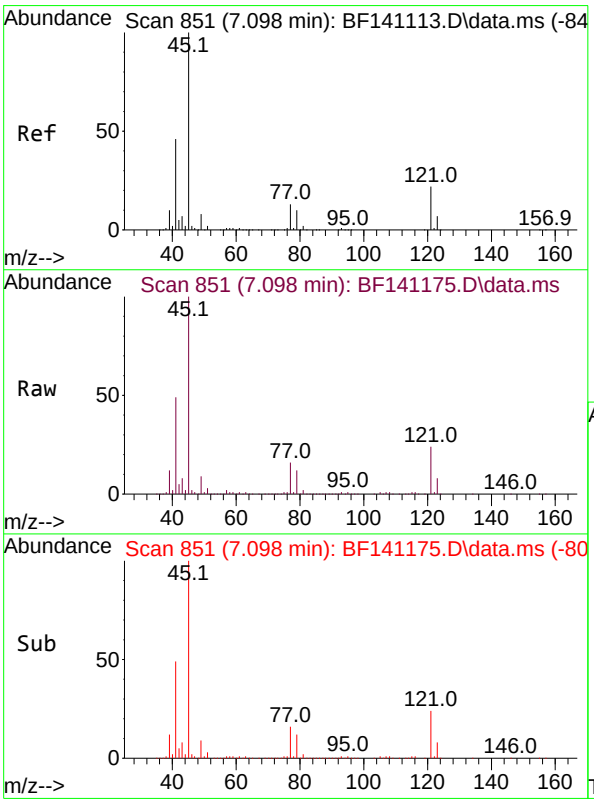

#15
Benzyl Alcohol
Concen: 30.363 ng
RT: 6.957 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion: 79 Resp: 271930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.9 | 61.4 | 92.0 |
| 77 | 61.8 | 49.8 | 74.6 |

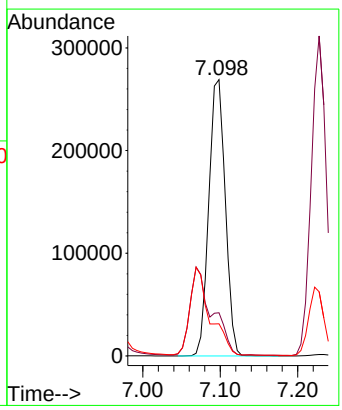


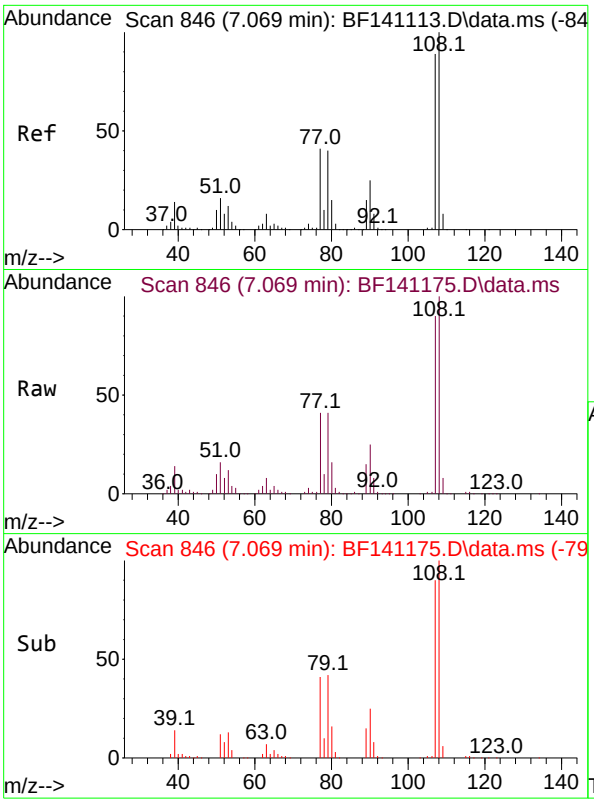




#16
2,2'-oxybis(1-Chloropropane)
Concen: 28.820 ng
RT: 7.098 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion: 45 Resp: 397871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 15.6 | 0.0 | 34.1 |
| 79 | 11.6 | 0.0 | 31.0 |



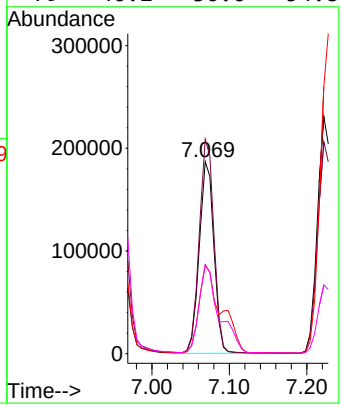


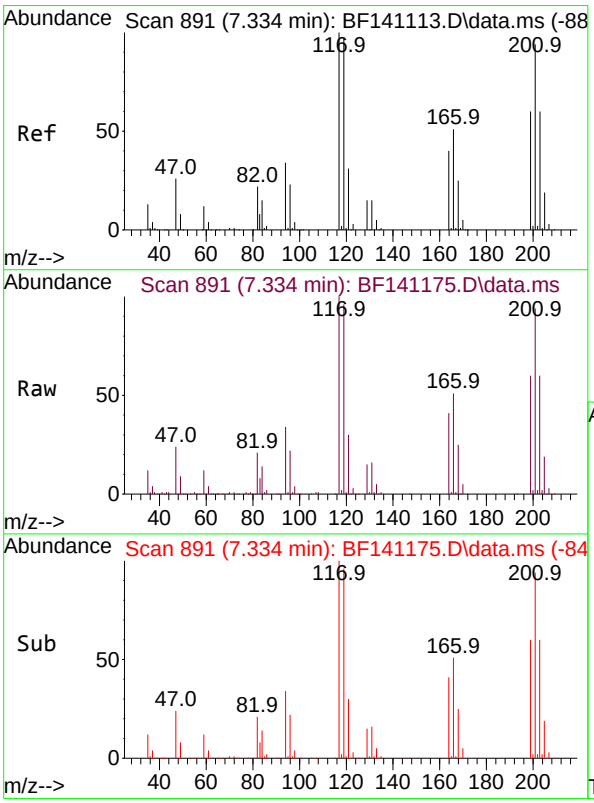

#17
2-Methylphenol
Concen: 28.967 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:107 Resp: 245642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.7 | 90.1 | 135.1 |
| 77 | 46.3 | 36.6 | 55.0 |
| 79 | 46.2 | 36.6 | 54.8 |

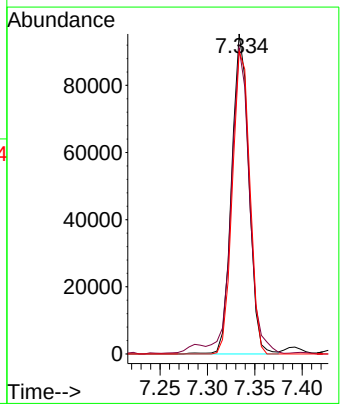


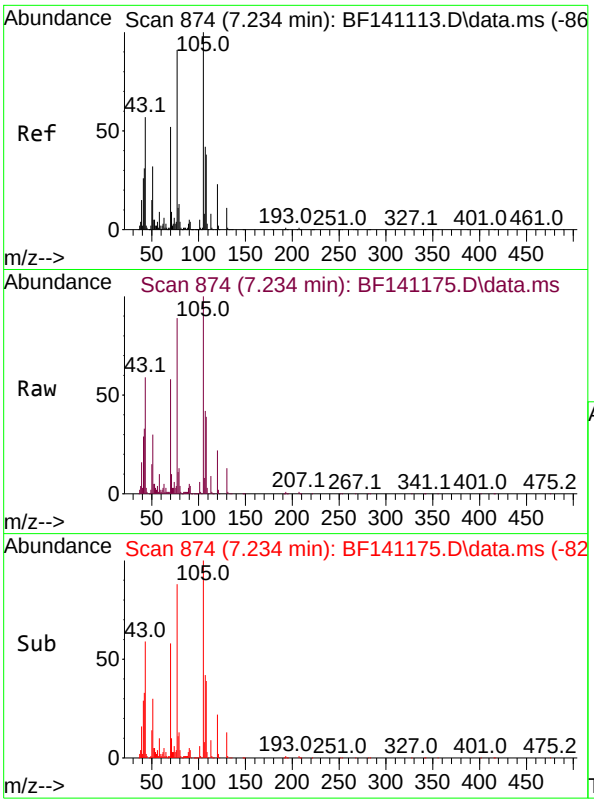




#18
Hexachloroethane
Concen: 28.192 ng
RT: 7.334 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:117 Resp: 120353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.6 | 77.6 | 116.4 |
| 201 | 94.5 | 75.1 | 112.7 |



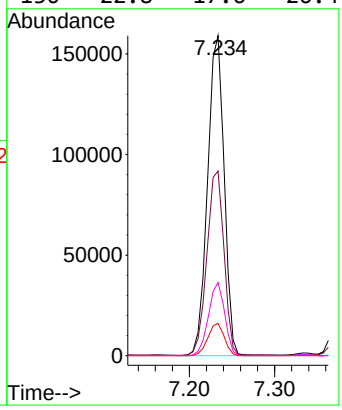


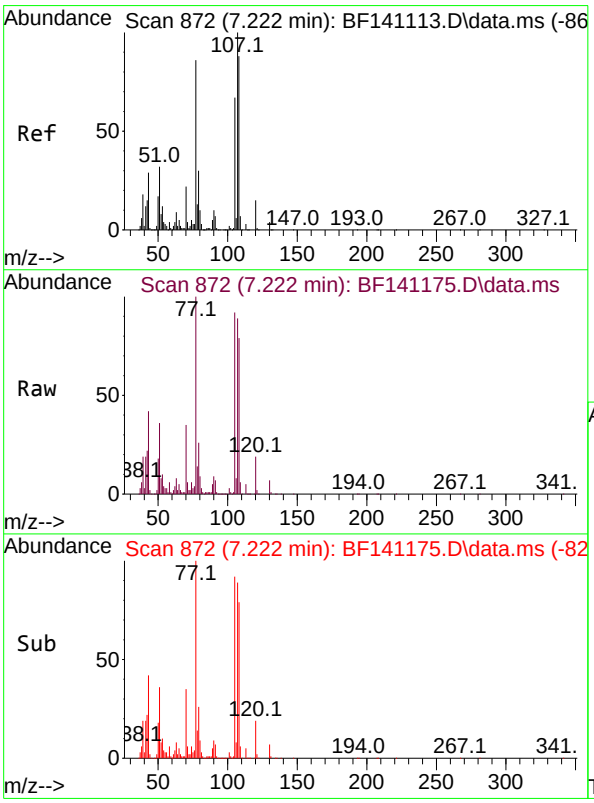

#19
n-Nitroso-di-n-propylamine
Concen: 29.523 ng
RT: 7.234 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion: 70 Resp: 215674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.7 | 47.8 | 71.6 |
| 101 | 10.1 | 7.9 | 11.9 |
| 130 | 22.8 | 17.6 | 26.4 |

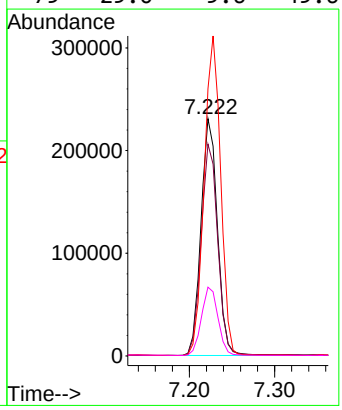


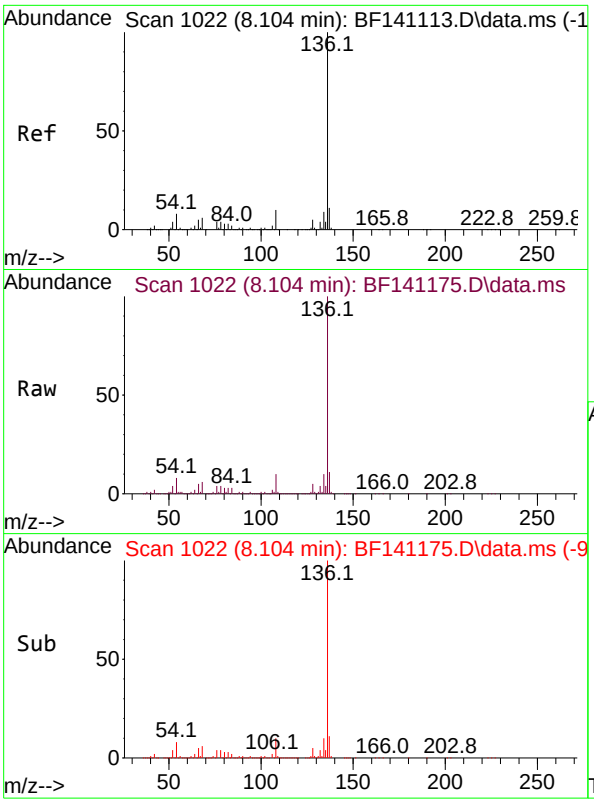




#20
3+4-Methylphenols
Concen: 28.906 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:107 Resp: 309253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.3 | 68.3 | 108.3 |
| 77 | 112.6 | 66.4 | 106.4# |
| 79 | 29.0 | 9.6 | 49.6 |



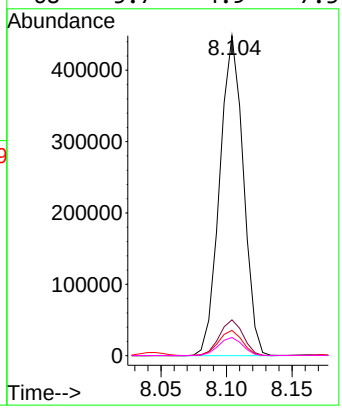


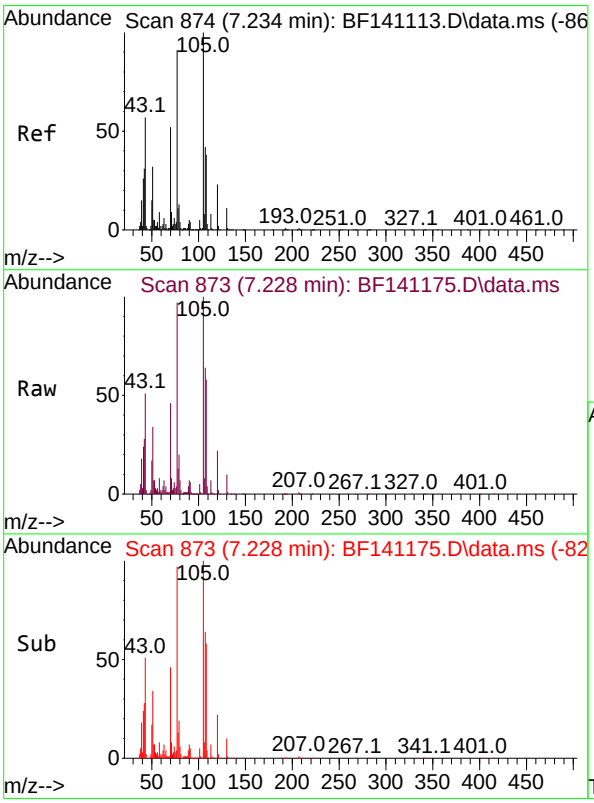

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:136 Resp: 561441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.8 | 13.2 |
| 54 | 7.9 | 6.3 | 9.5 |
| 68 | 5.7 | 4.9 | 7.3 |

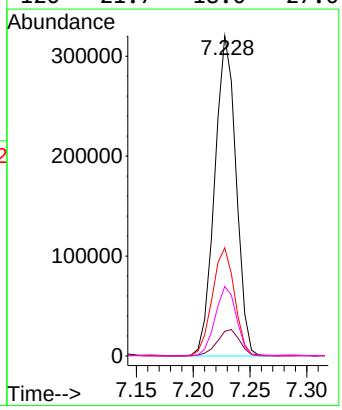


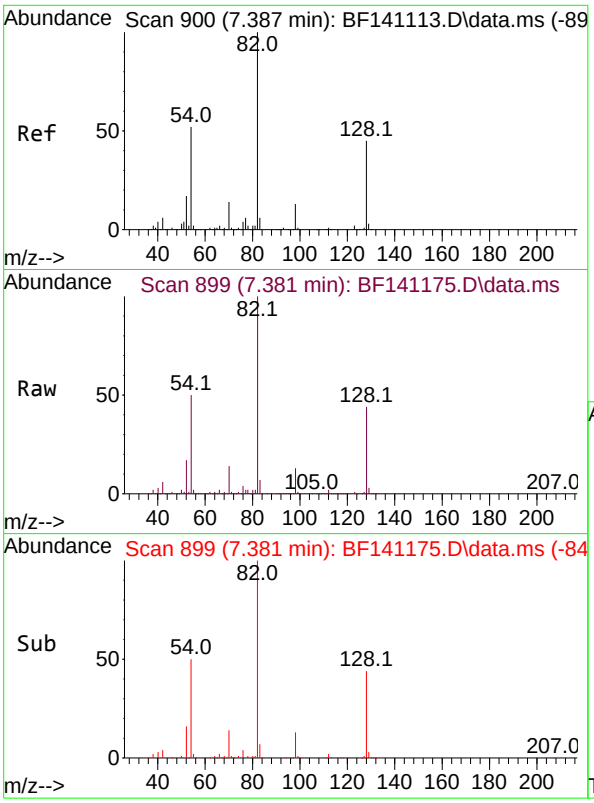




#22
Acetophenone
Concen: 31.465 ng
RT: 7.228 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:105 Resp: 419952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.7 | 7.1 | 10.7 |
| 51 | 33.8 | 25.4 | 38.2 |
| 120 | 21.7 | 18.0 | 27.0 |



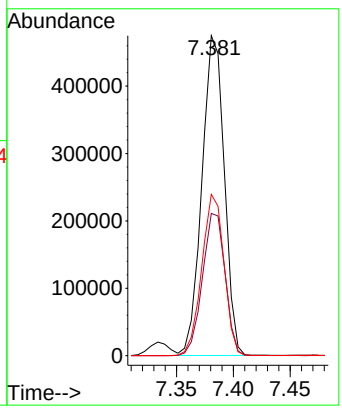


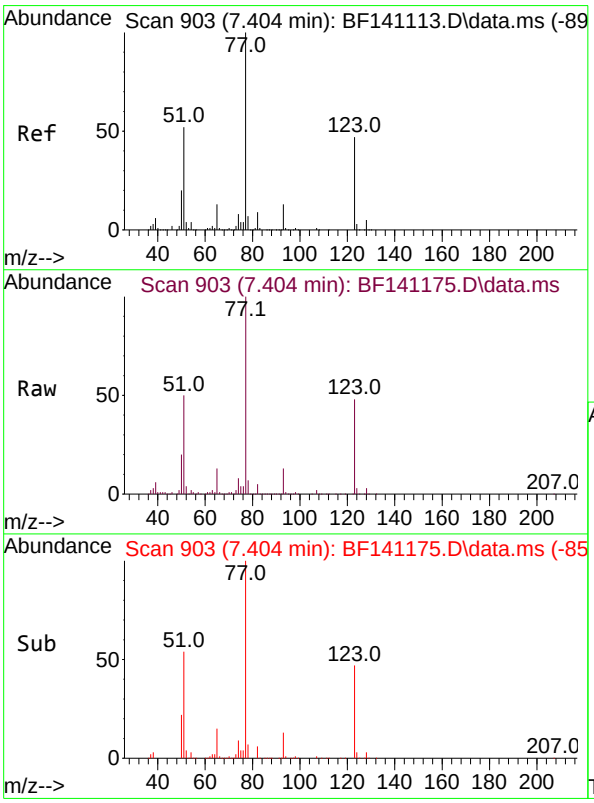

#23
Nitrobenzene-d5
Concen: 61.362 ng
RT: 7.381 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion: 82 Resp: 649918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.4 | 36.1 | 54.1 |
| 54 | 50.4 | 41.0 | 61.4 |

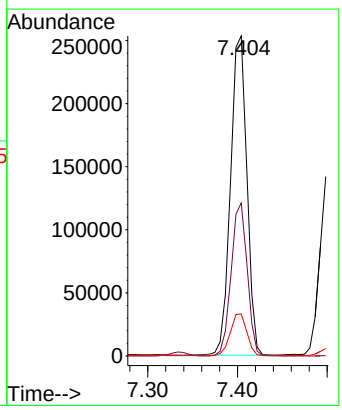


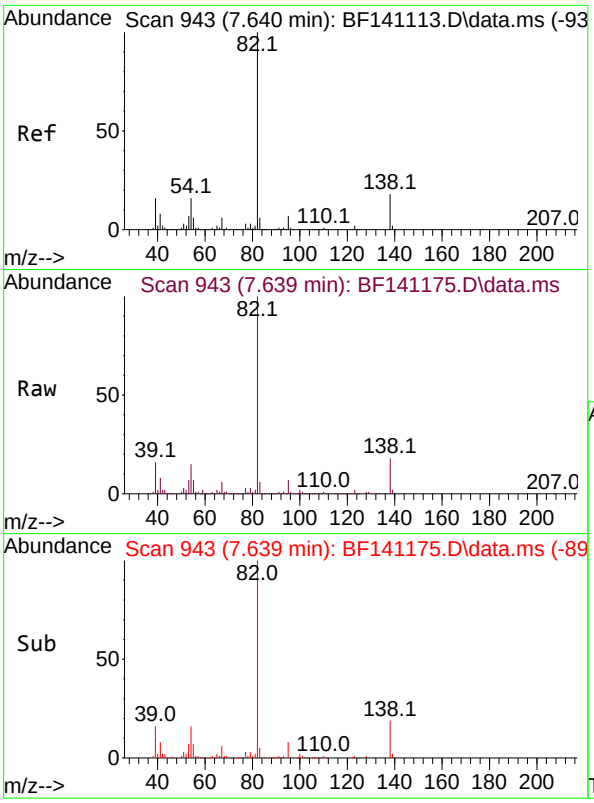




#24
Nitrobenzene
Concen: 29.046 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion: 77 Resp: 320631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.8 | 37.7 | 56.5 |
| 65 | 13.2 | 10.6 | 16.0 |



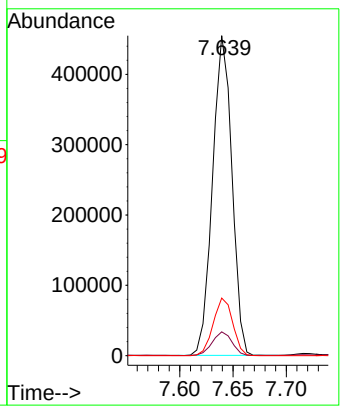


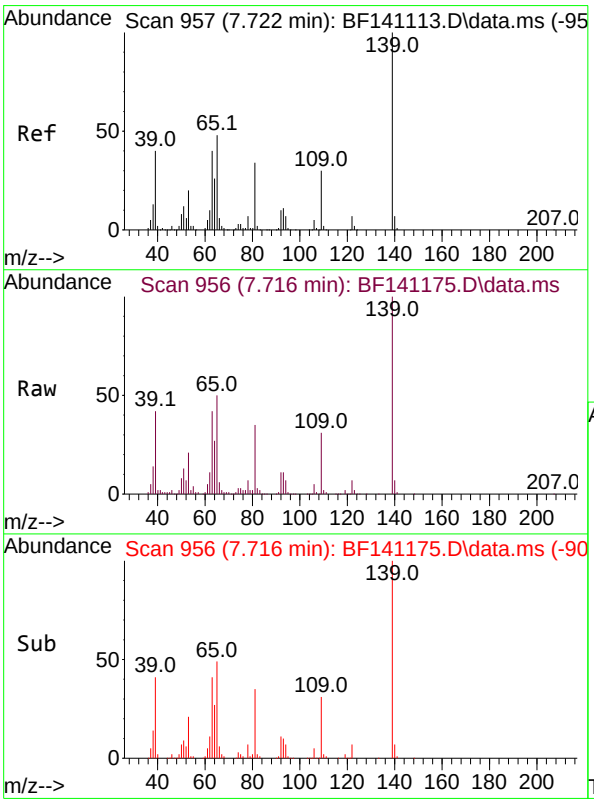

#25
Isophorone
Concen: 31.712 ng
RT: 7.639 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion: 82 Resp: 574003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.4 | 5.9 | 8.9 |
| 138 | 18.0 | 14.2 | 21.2 |

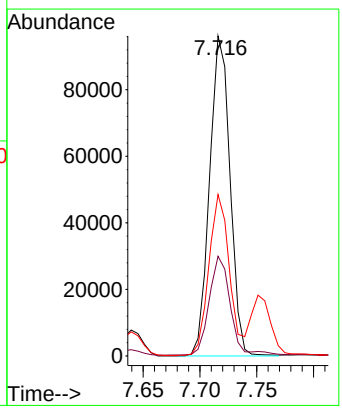


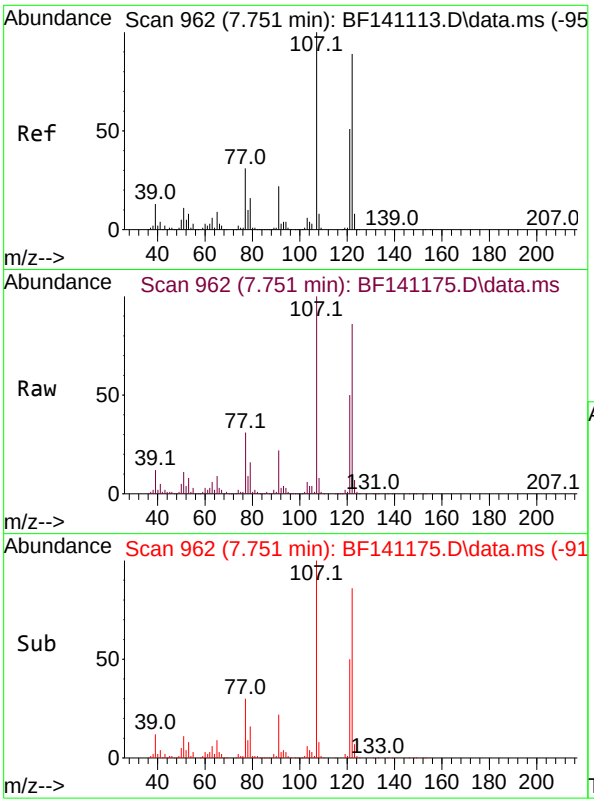




#26
2-Nitrophenol
Concen: 23.977 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:139 Resp: 120397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.2 | 23.8 | 35.6 |
| 65 | 50.5 | 38.5 | 57.7 |



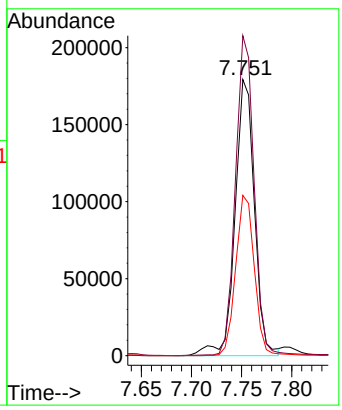


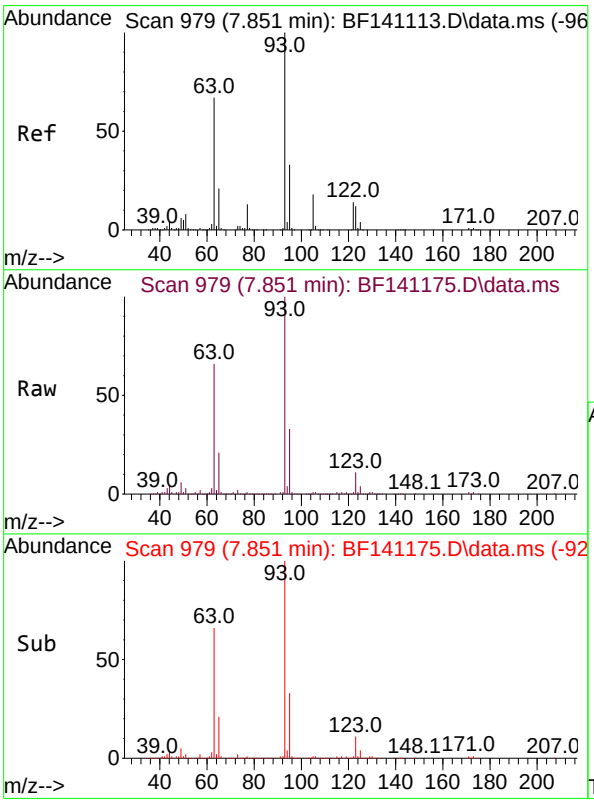

#27
2,4-Dimethylphenol
Concen: 35.728 ng
RT: 7.751 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:122 Resp: 241988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 115.9 | 90.3 | 135.5 |
| 121 | 58.1 | 46.5 | 69.7 |

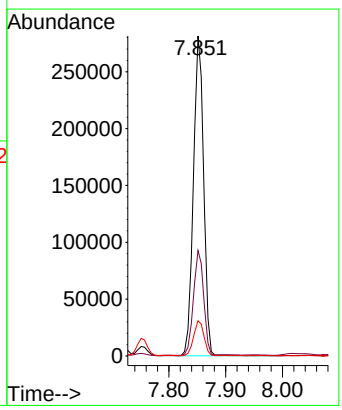


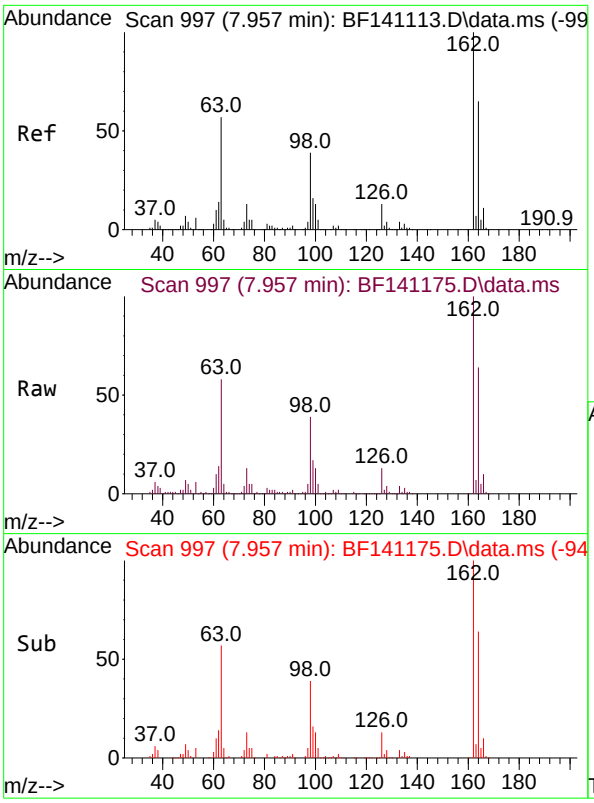




#28
bis(2-Chloroethoxy)methane
Concen: 31.271 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion: 93 Resp: 355223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.9 | 26.2 | 39.4 |
| 123 | 11.0 | 10.1 | 15.1 |



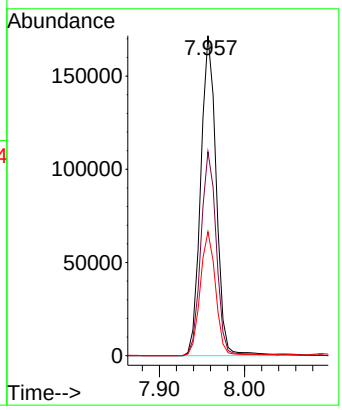


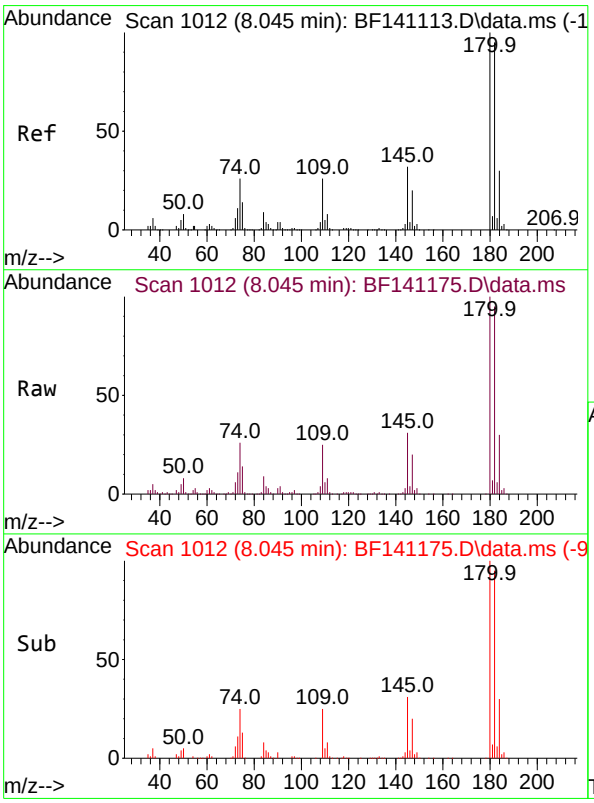

#29
2,4-Dichlorophenol
Concen: 27.047 ng
RT: 7.957 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:162 Resp: 217566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.7 | 44.5 | 84.5 |
| 98 | 38.8 | 18.5 | 58.5 |

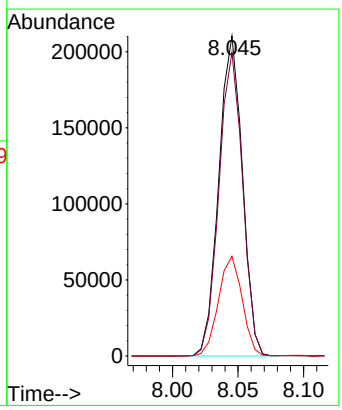


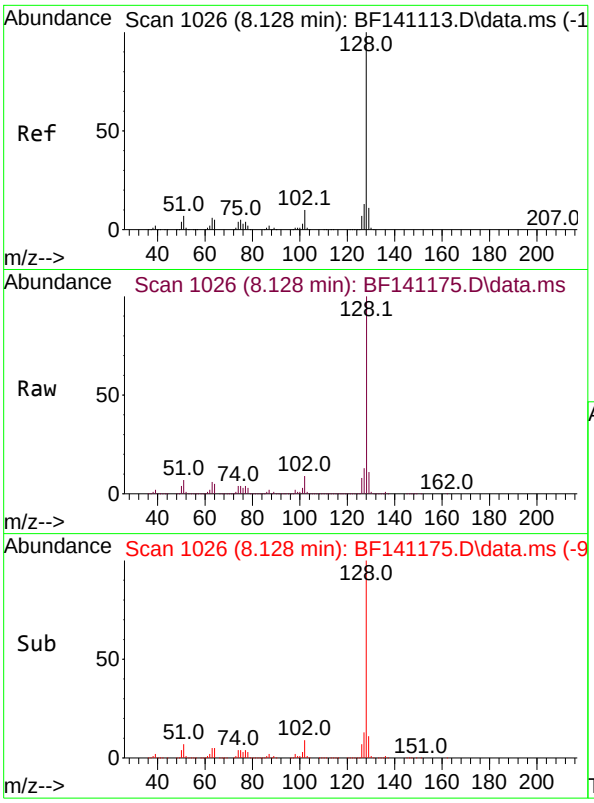




#30
1,2,4-Trichlorobenzene
Concen: 28.609 ng
RT: 8.045 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:180 Resp: 263047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 76.2 | 114.2 |
| 145 | 31.2 | 25.3 | 37.9 |



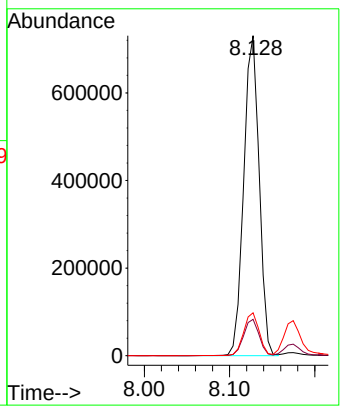


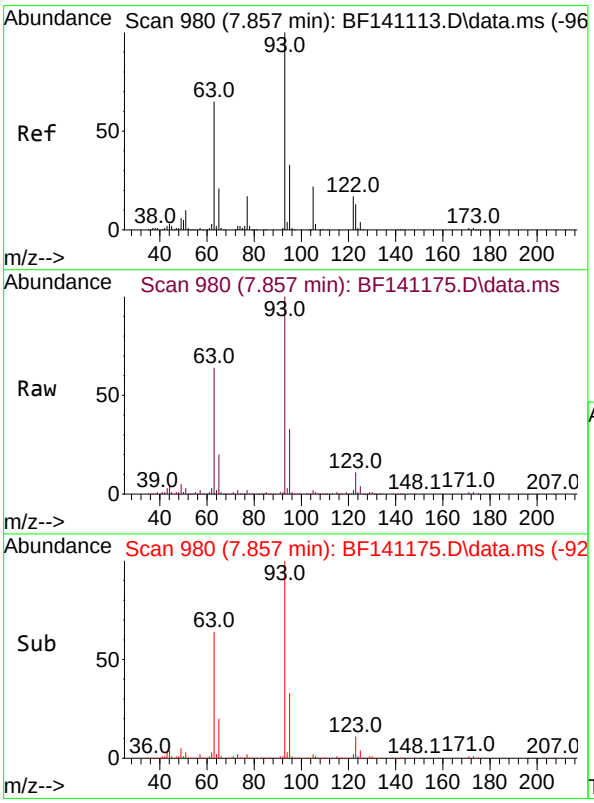

#31
Naphthalene
Concen: 31.026 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:128 Resp: 918606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.4 | 9.0 | 13.6 |
| 127 | 13.4 | 10.8 | 16.2 |

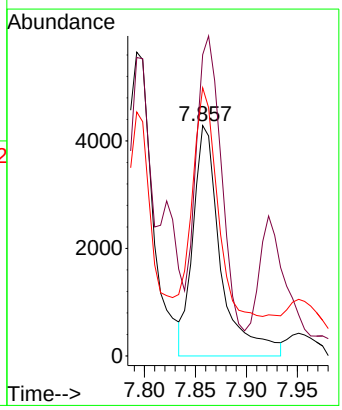


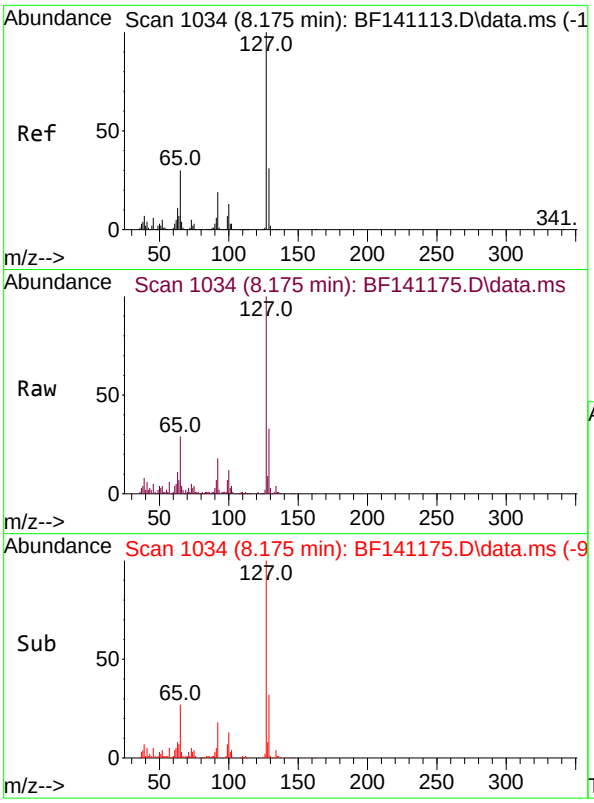




#32
Benzoic acid
Concen: 1.245 ng m
RT: 7.857 min Scan# 980
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:122 Resp: 8091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 130.8 | 105.5 | 145.5 |
| 77 | 116.4 | 75.1 | 115.1# |



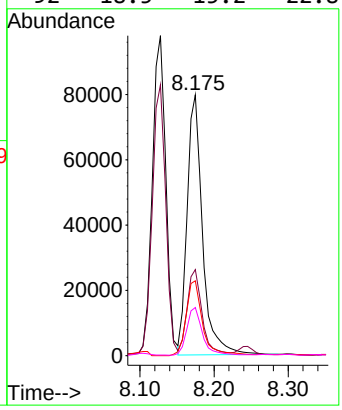


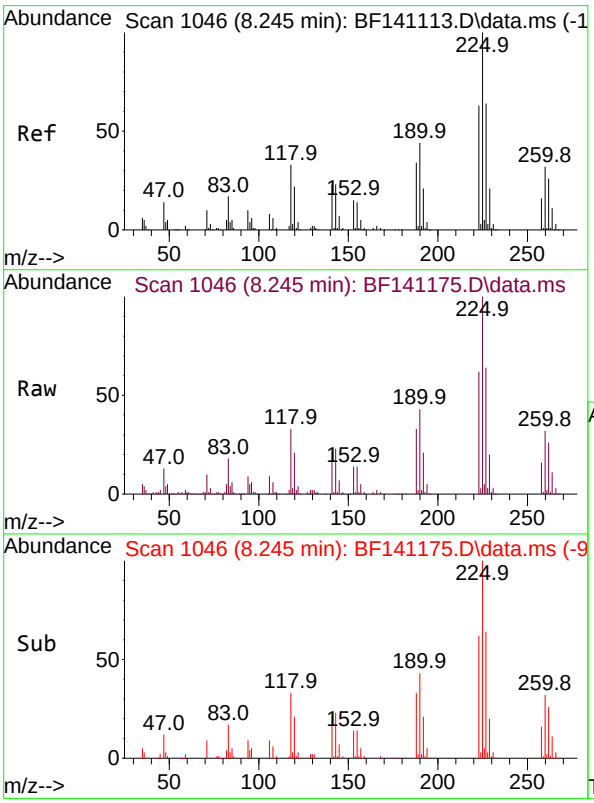

#33
4-Chloroaniline
Concen: 11.264 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:127 Resp: 115343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 33.0 | 25.9 | 38.9 |
| 65 | 28.7 | 23.8 | 35.8 |
| 92 | 18.5 | 15.2 | 22.8 |

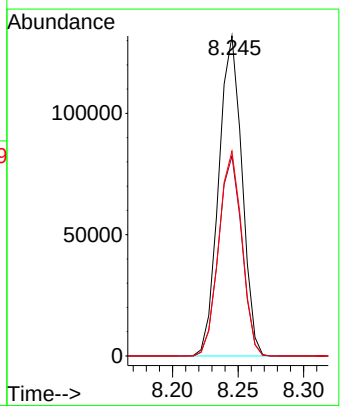


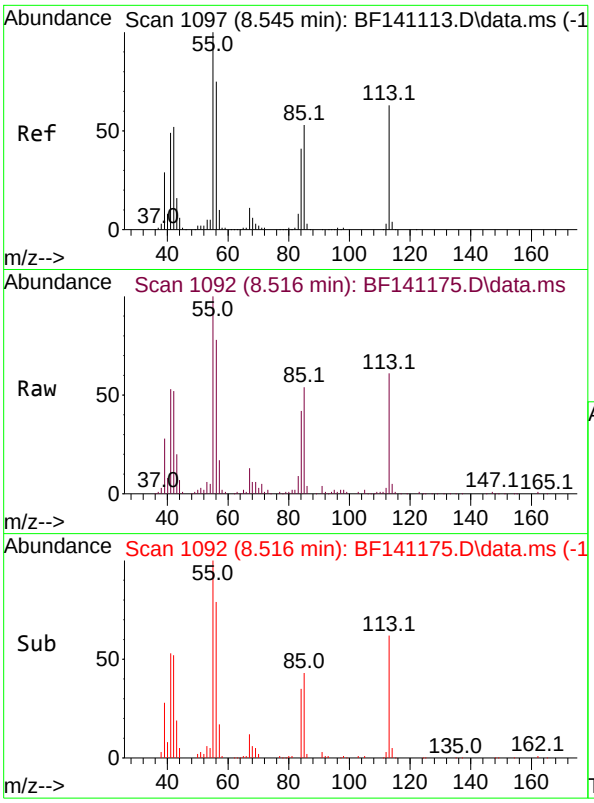




#34
Hexachlorobutadiene
Concen: 29.337 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:225 Resp: 162534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 50.6 | 76.0 |
| 227 | 64.0 | 51.6 | 77.4 |



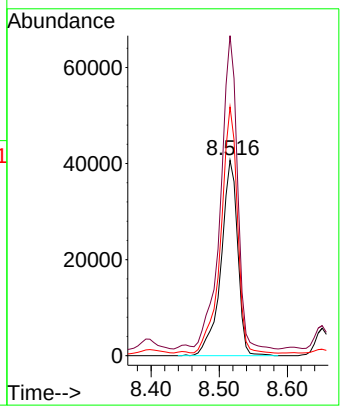


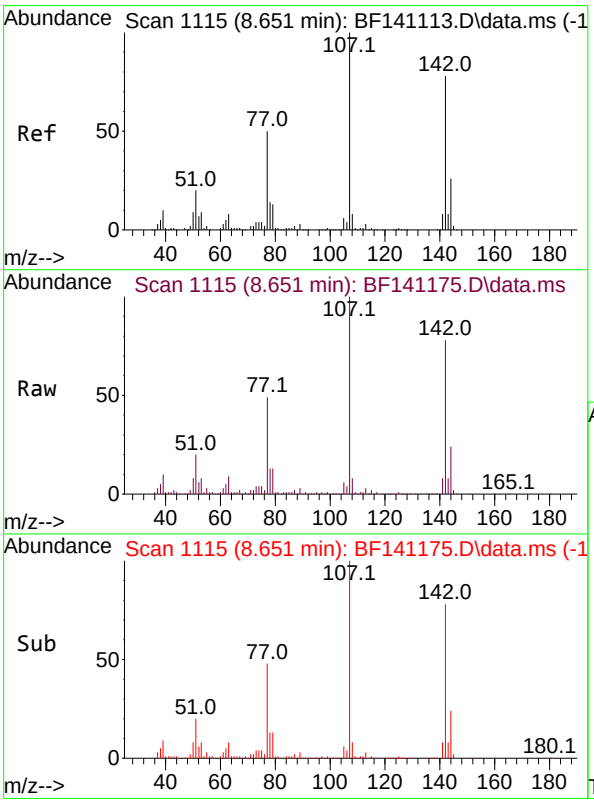

#35
Caprolactam
Concen: 26.249 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.030 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:113 Resp: 69129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 163.8 | 139.7 | 179.7 |
| 56 | 127.3 | 99.4 | 139.4 |

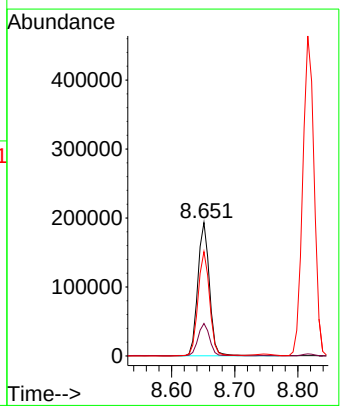


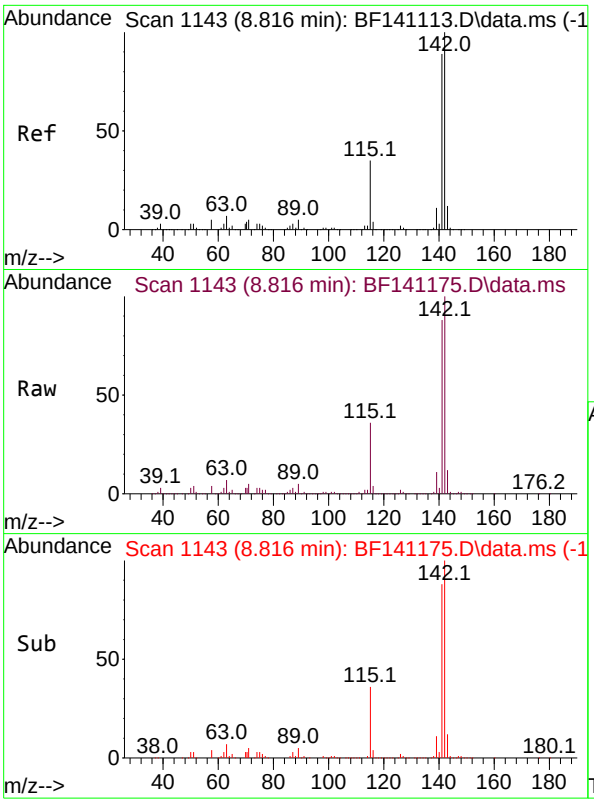




#36
4-Chloro-3-methylphenol
Concen: 28.059 ng
RT: 8.651 min Scan# 1115
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:107 Resp: 246845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.4 | 20.4 | 30.6 |
| 142 | 78.2 | 62.2 | 93.2 |



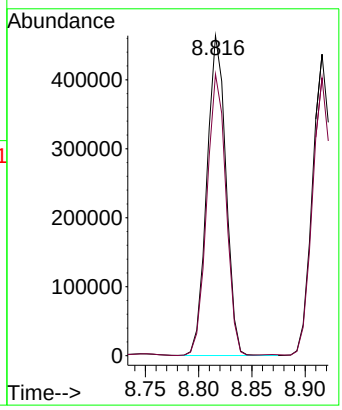


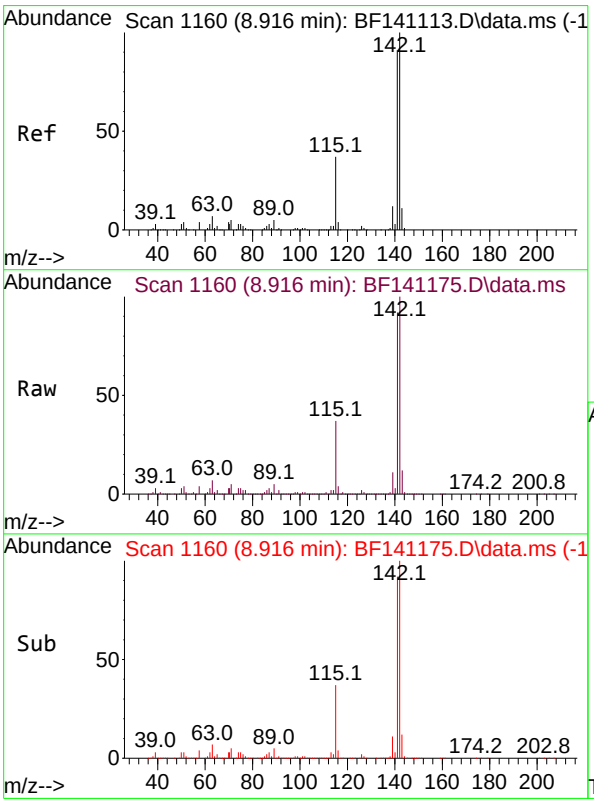

#37
2-Methylnaphthalene
Concen: 30.662 ng
RT: 8.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:142 Resp: 578514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.0 | 71.3 | 106.9 |

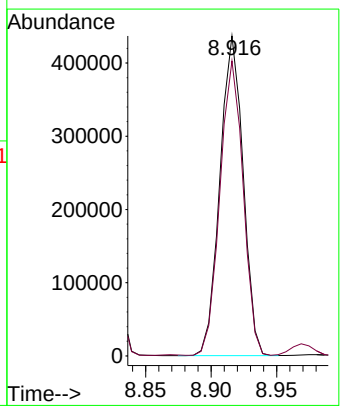


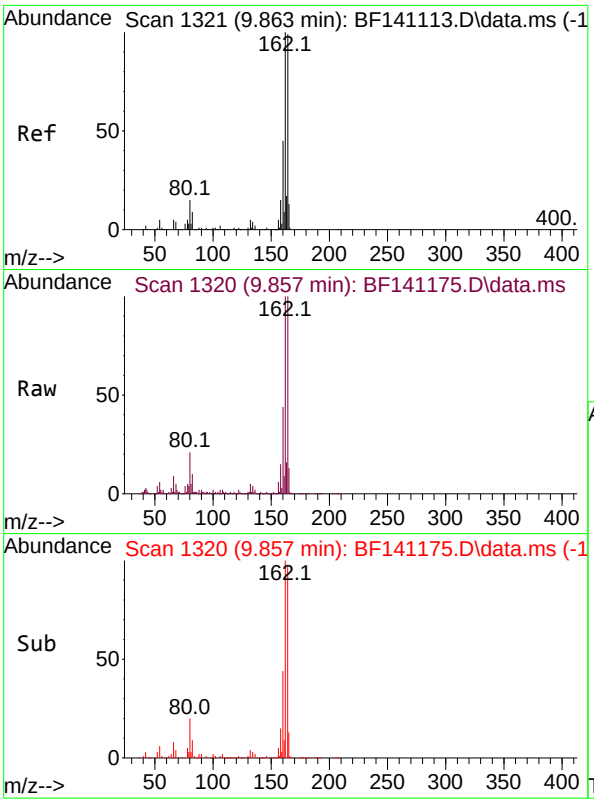




#38
1-Methylnaphthalene
Concen: 28.874 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:142 Resp: 536900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.2 | 73.1 | 109.7 |



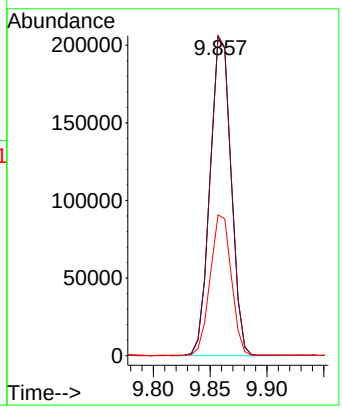


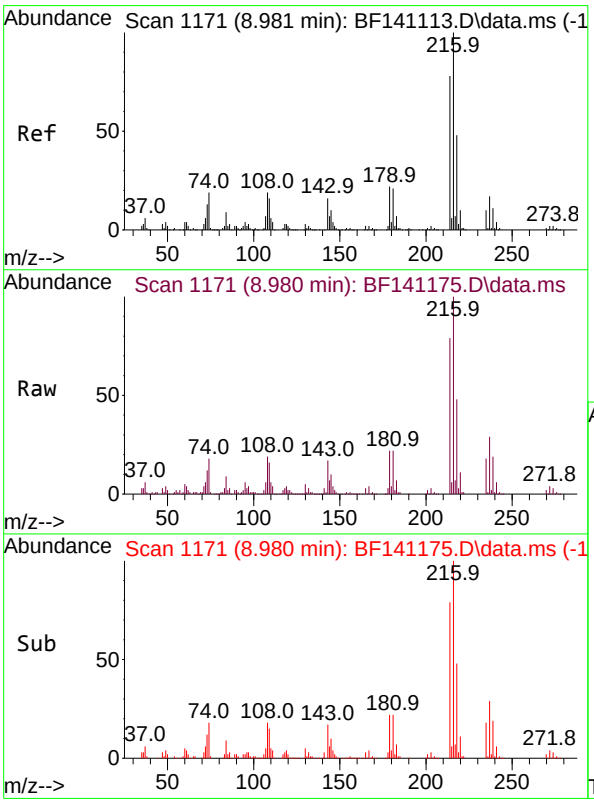

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:164 Resp: 265282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.2 | 81.0 | 121.4 |
| 160 | 44.1 | 36.1 | 54.1 |

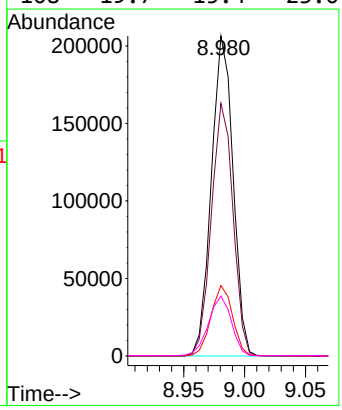


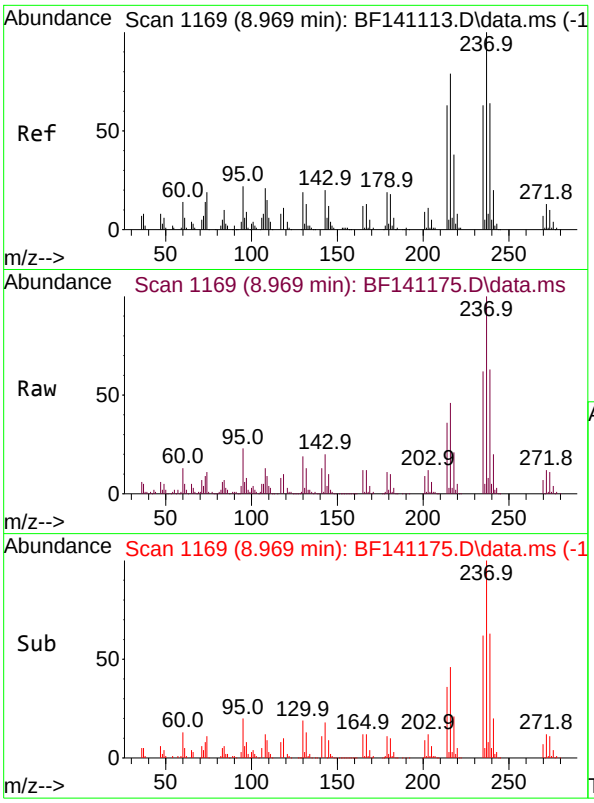




#40
1,2,4,5-Tetrachlorobenzene
Concen: 33.573 ng
RT: 8.980 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:216 Resp: 255628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.8 | 62.6 | 94.0 |
| 179 | 21.7 | 17.7 | 26.5 |
| 108 | 19.7 | 15.4 | 23.0 |



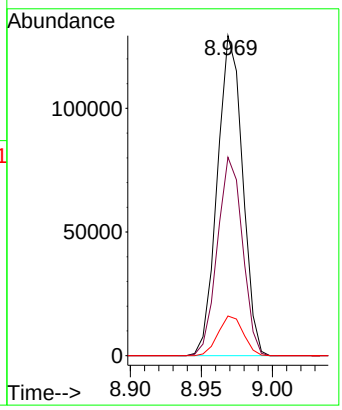


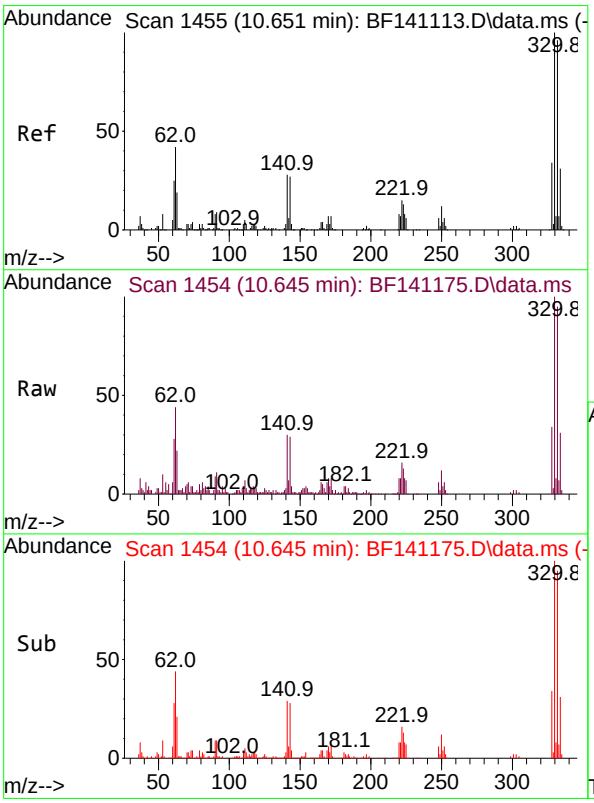

#41
Hexachlorocyclopentadiene
Concen: 64.166 ng
RT: 8.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:237 Resp: 159842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.0 | 43.0 | 83.0 |
| 272 | 12.4 | 0.0 | 33.0 |

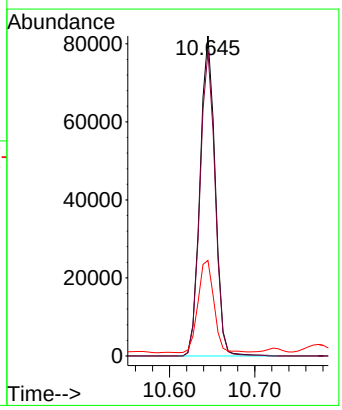


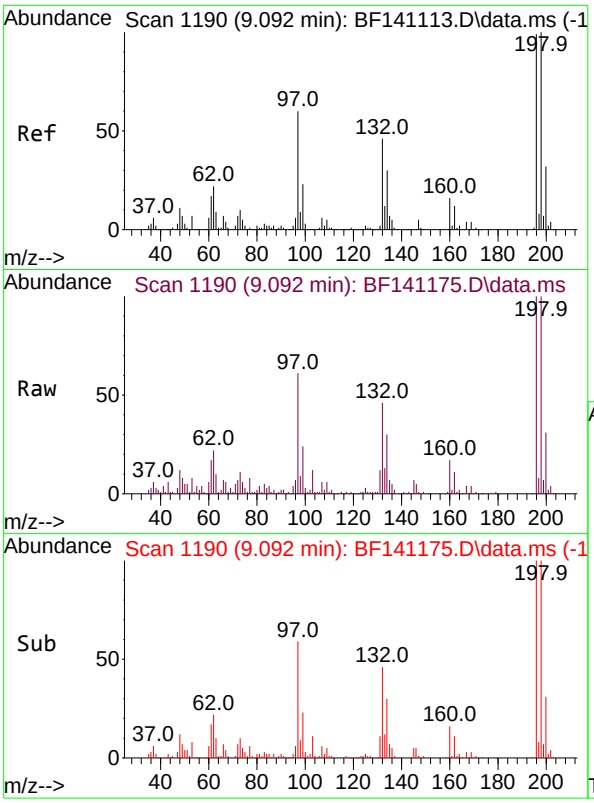




#42
2,4,6-Tribromophenol
Concen: 33.339 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:330 Resp: 100774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.9 | 76.9 | 115.3 |
| 141 | 30.3 | 25.2 | 37.8 |



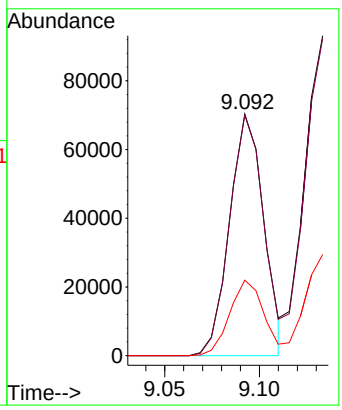


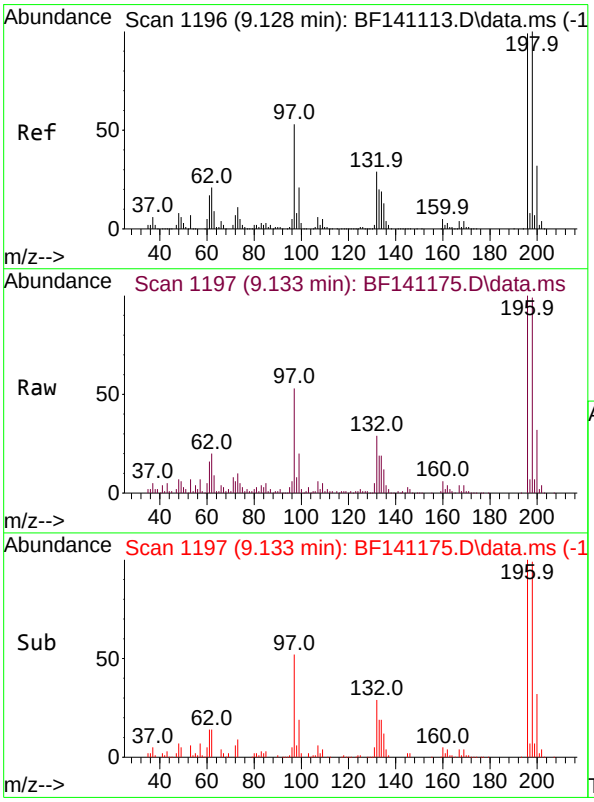

#43
2,4,6-Trichlorophenol
Concen: 17.169 ng
RT: 9.092 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:196 Resp: 88165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.5 | 80.8 | 121.2 |
| 200 | 31.3 | 25.7 | 38.5 |

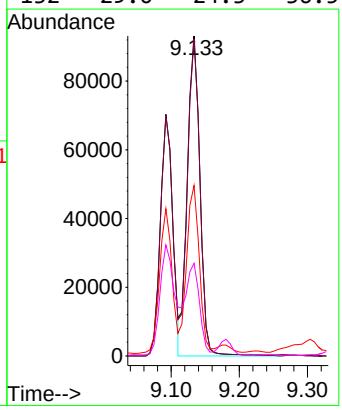


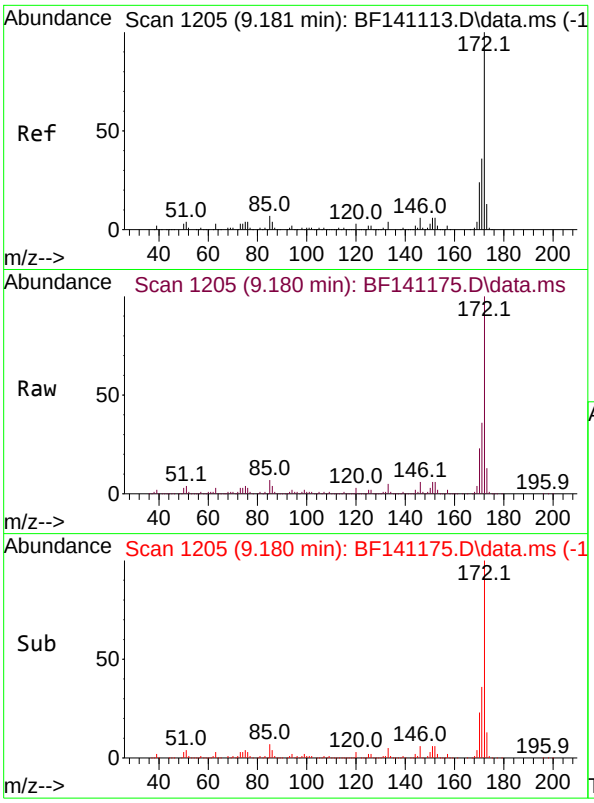




#44
2,4,5-Trichlorophenol
Concen: 22.032 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:196 Resp: 119487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.1 | 80.6 | 120.8 |
| 97 | 53.3 | 43.1 | 64.7 |
| 132 | 29.0 | 24.3 | 36.5 |



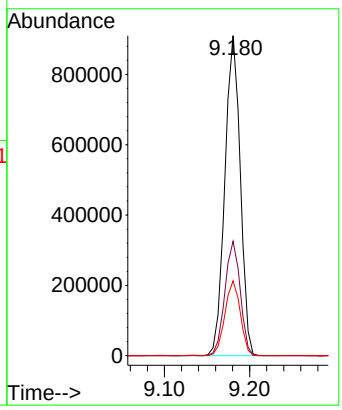


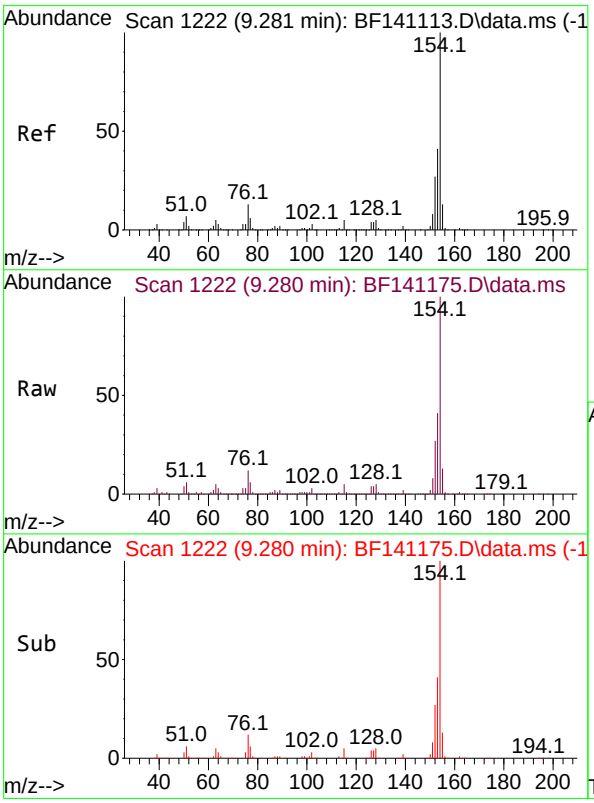

#45
2-Fluorobiphenyl
Concen: 65.849 ng
RT: 9.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:172 Resp: 1143953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.7 | 28.7 | 43.1 |
| 170 | 23.4 | 19.0 | 28.6 |

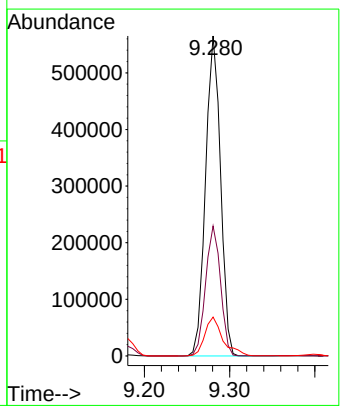


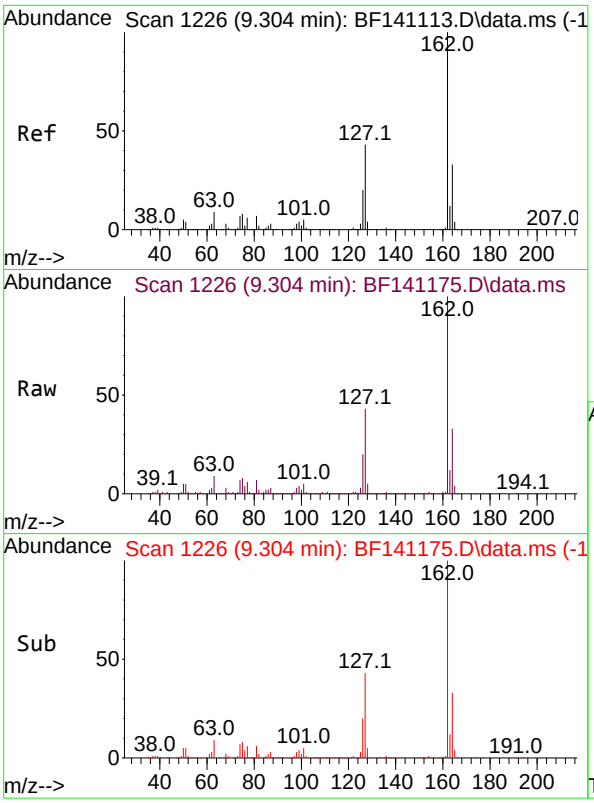




#46
1,1'-Biphenyl
Concen: 33.515 ng
RT: 9.280 min Scan# 1222
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:154 Resp: 690480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.6 | 20.7 | 60.7 |
| 76 | 12.1 | 0.0 | 33.1 |



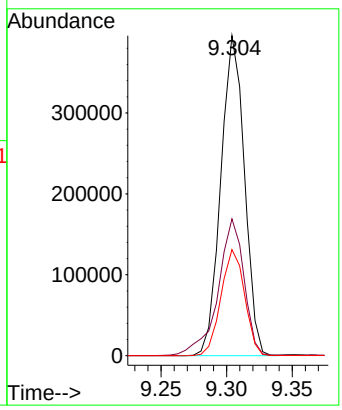


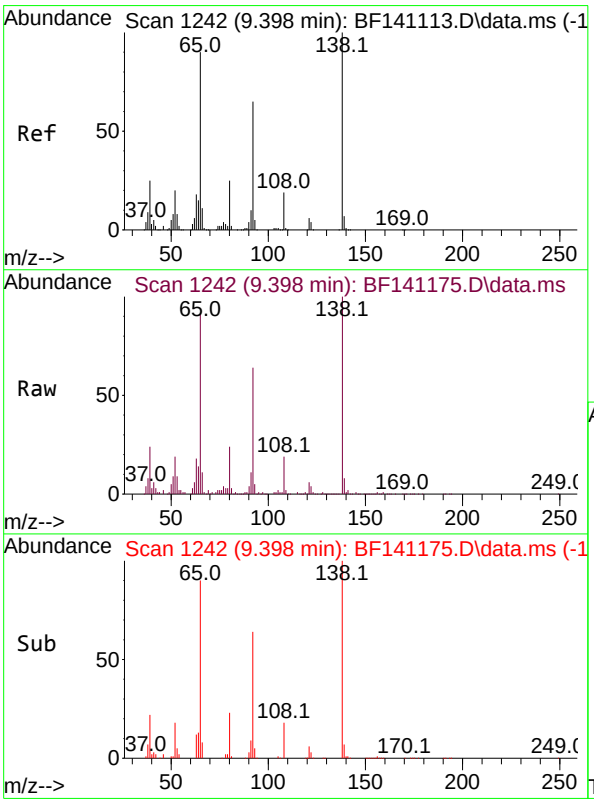

#47
2-Chloronaphthalene
Concen: 30.895 ng
RT: 9.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:162 Resp: 495753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.7 | 34.6 | 51.8 |
| 164 | 33.1 | 26.5 | 39.7 |

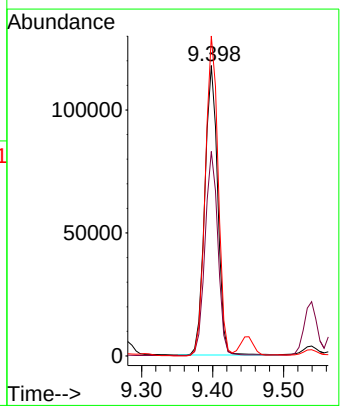


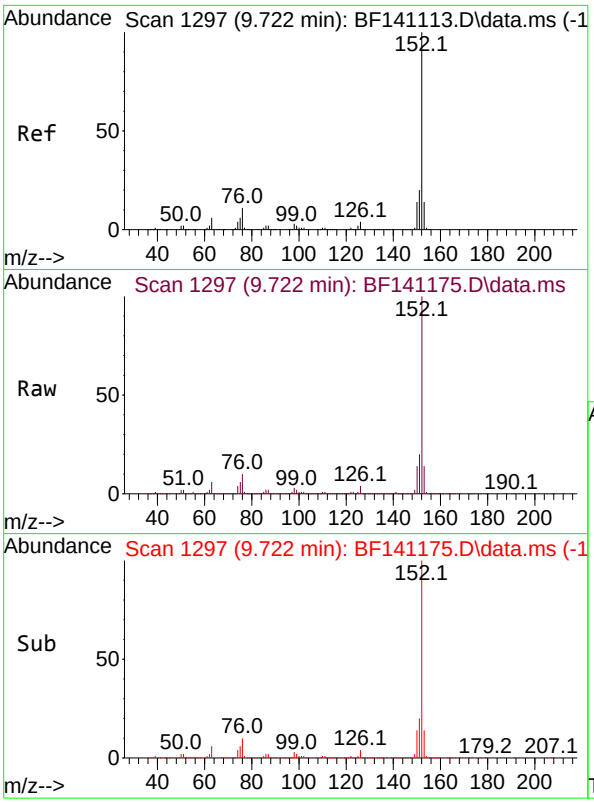




#48
2-Nitroaniline
Concen: 31.408 ng
RT: 9.398 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion: 65 Resp: 149394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.4 | 58.3 | 87.5 |
| 138 | 110.2 | 89.1 | 133.7 |



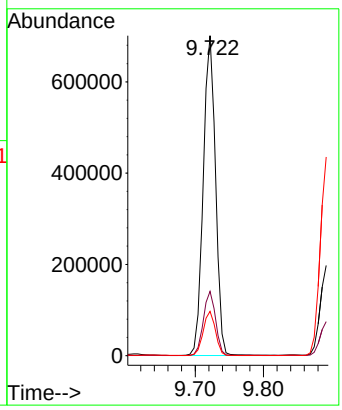


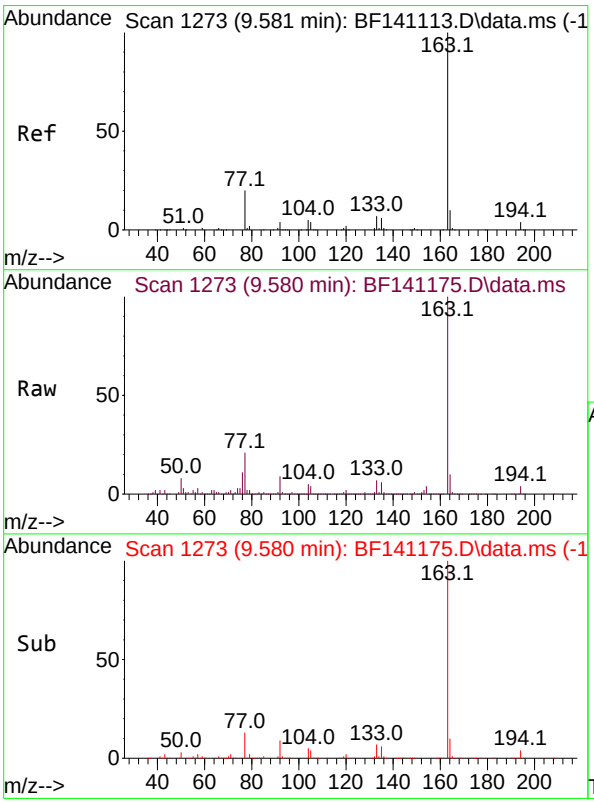

#49
Acenaphthylene
Concen: 38.283 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:152 Resp: 877645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.1 | 24.1 |
| 153 | 13.9 | 11.1 | 16.7 |

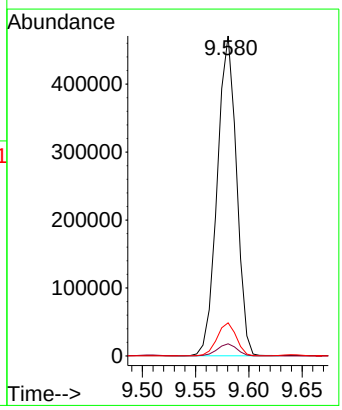


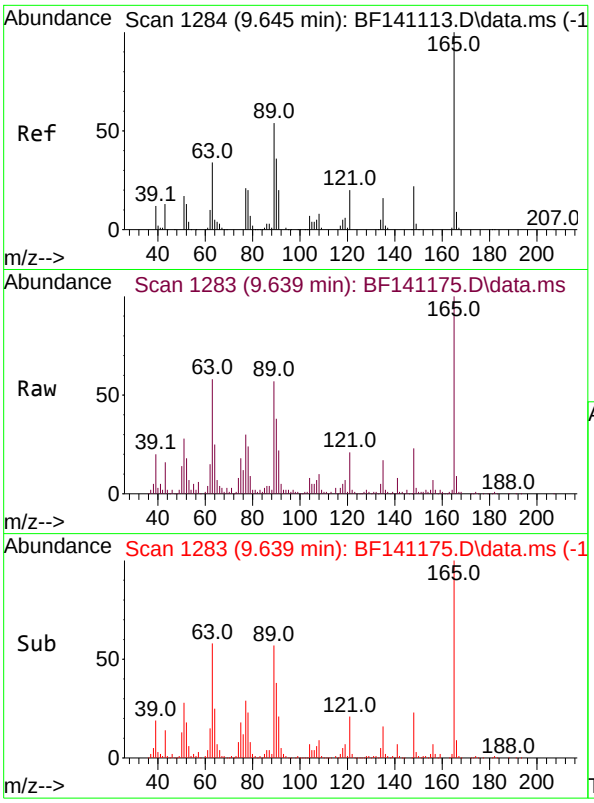




#50
Dimethylphthalate
Concen: 33.137 ng
RT: 9.580 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:163 Resp: 590143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.6 |
| 164 | 10.3 | 8.2 | 12.4 |



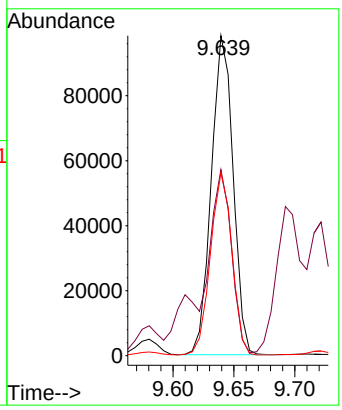


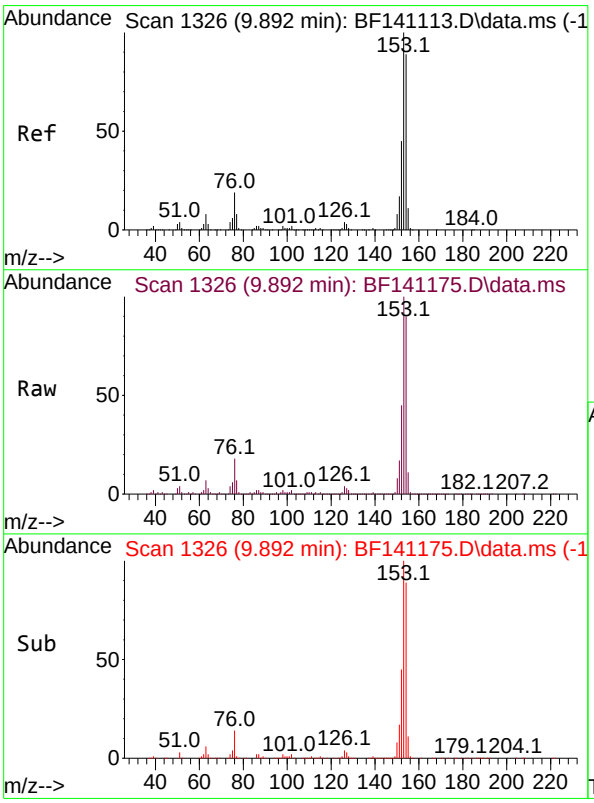

#51
2,6-Dinitrotoluene
Concen: 29.528 ng
RT: 9.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:165 Resp: 122290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 58.1 | 42.3 | 63.5 |
| 89 | 57.1 | 43.1 | 64.7 |

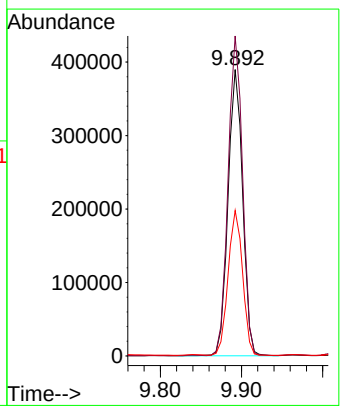


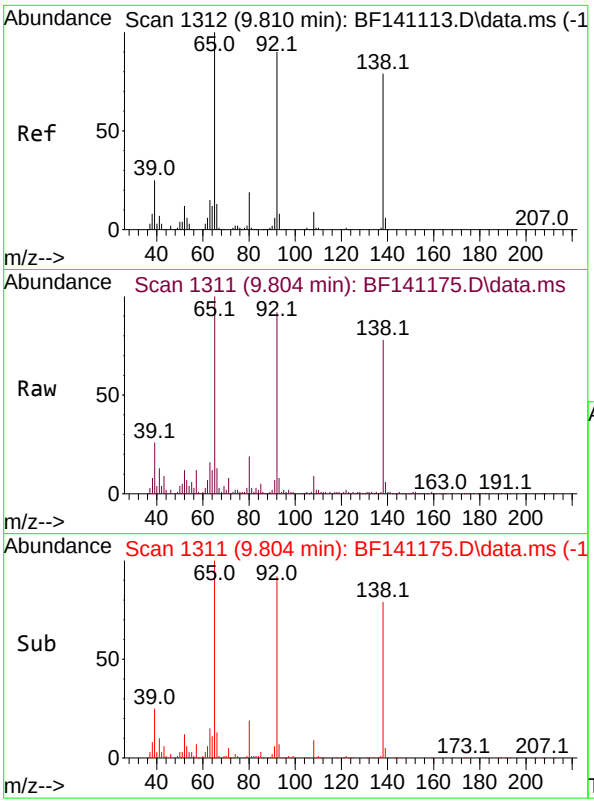




#52
Acenaphthene
Concen: 30.298 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:154 Resp: 485274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.7 | 89.8 | 134.6 |
| 152 | 50.8 | 40.8 | 61.2 |



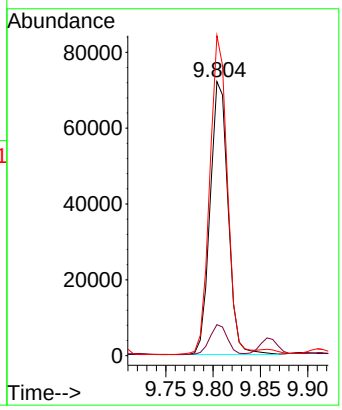


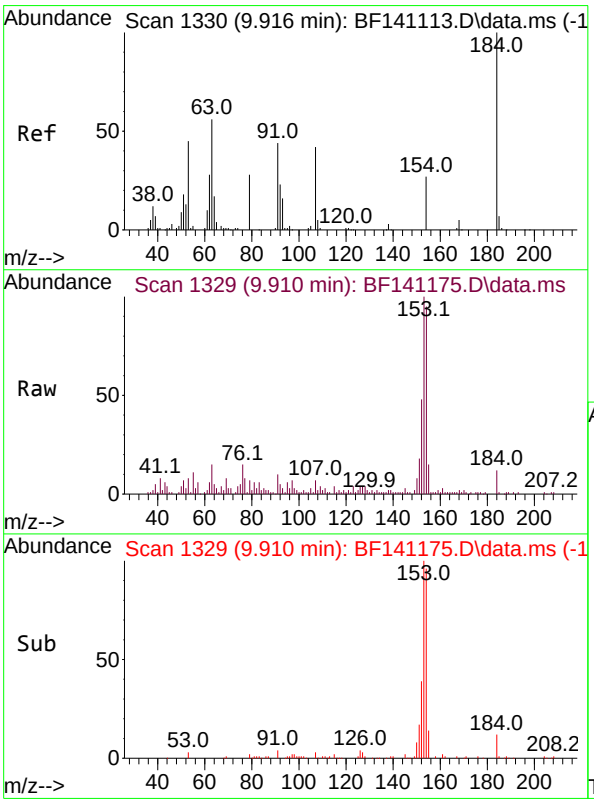

#53
3-Nitroaniline
Concen: 22.559 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:138 Resp: 94941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.4 | 8.8 | 13.2 |
| 92 | 116.8 | 91.3 | 136.9 |

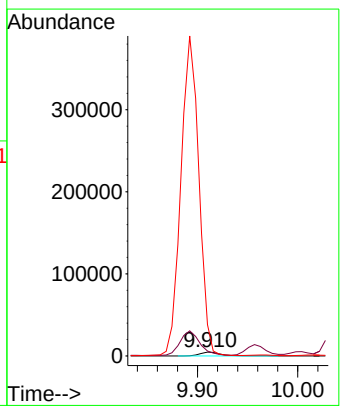


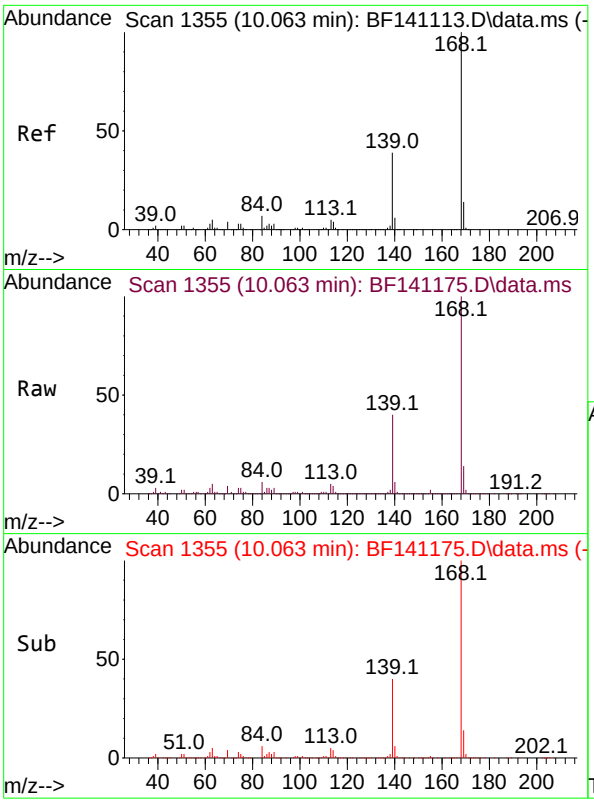




#54
2,4-Dinitrophenol
Concen: 3.440 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:184 Resp: 6772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 130.6 | 48.7 | 73.1# |
| 154 | 828.4 | 57.1 | 85.7# |



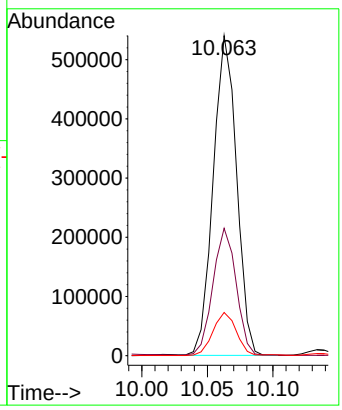


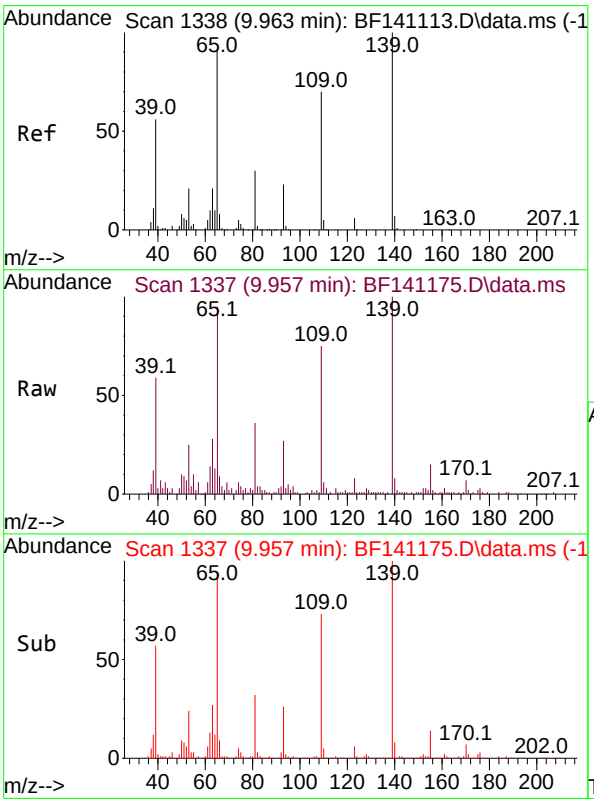

#55
Dibenzofuran
Concen: 30.632 ng
RT: 10.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:168 Resp: 667349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.8 | 31.4 | 47.0 |
| 169 | 13.5 | 10.9 | 16.3 |

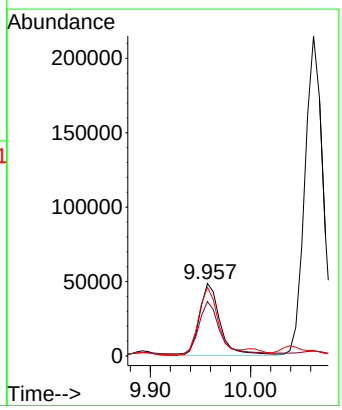


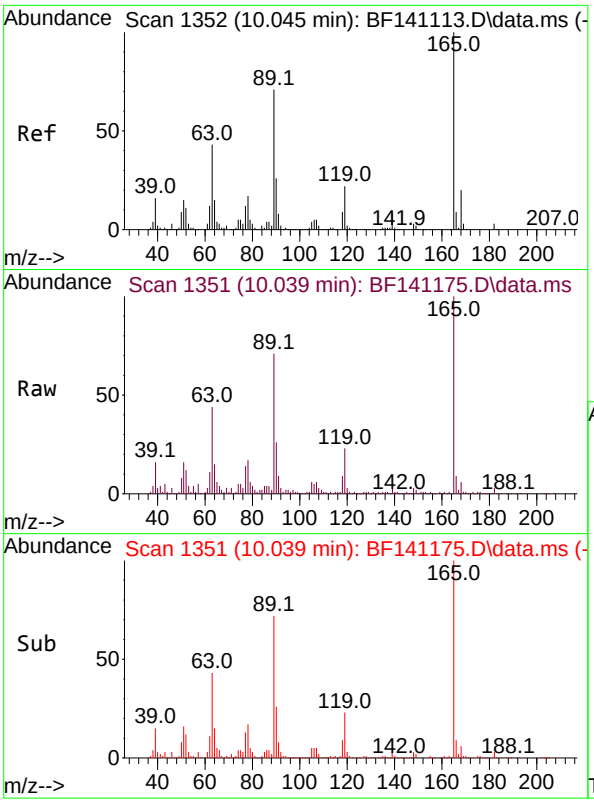




#56
4-Nitrophenol
Concen: 20.816 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:139 Resp: 68610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 75.2 | 50.2 | 90.2 |
| 65 | 94.7 | 72.1 | 112.1 |



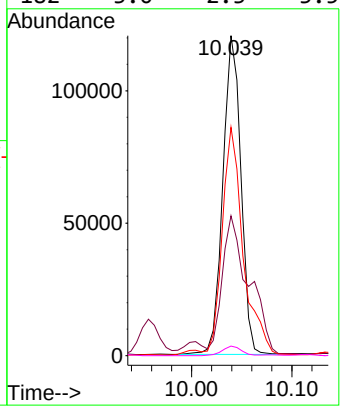


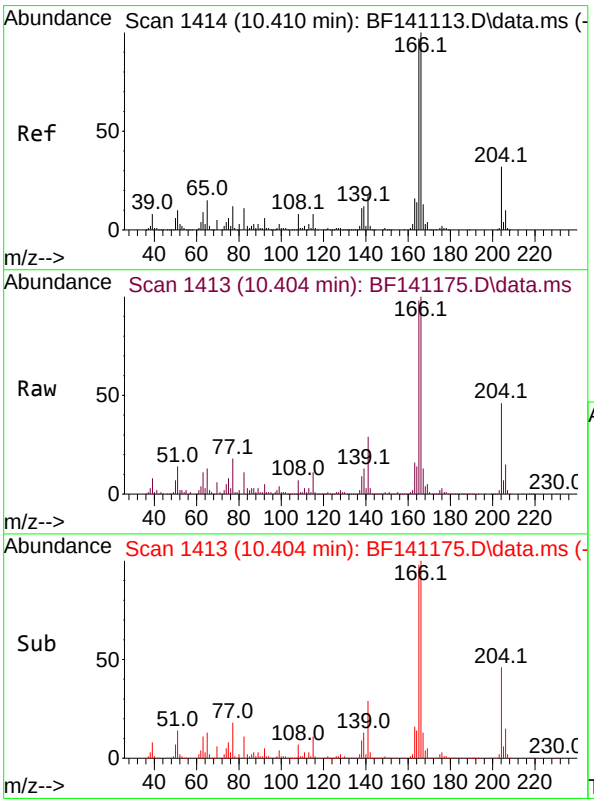

#57
2,4-Dinitrotoluene
Concen: 28.200 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:165 Resp: 150510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 43.7 | 35.0 | 52.4 |
| 89 | 71.4 | 56.7 | 85.1 |
| 182 | 3.0 | 2.3 | 3.5 |

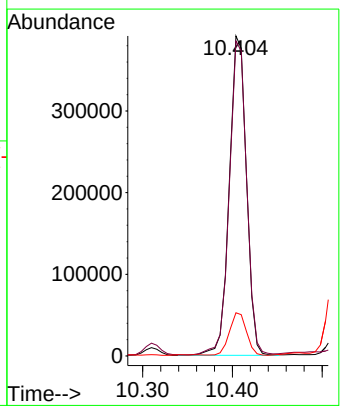


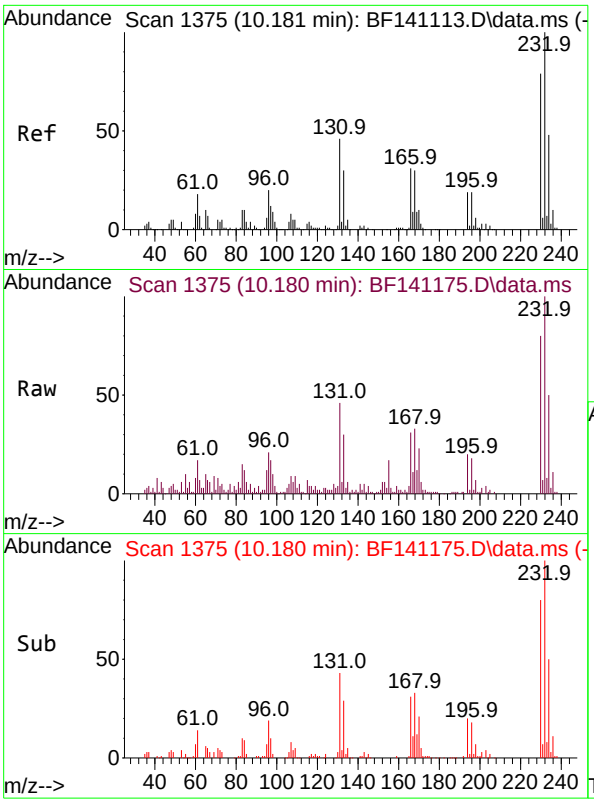




#58
Fluorene
Concen: 30.626 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:166 Resp: 518351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.4 | 77.8 | 116.8 |
| 167 | 13.5 | 10.8 | 16.2 |



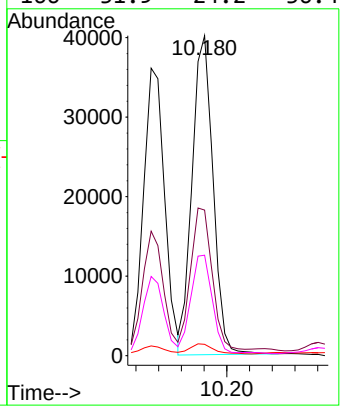


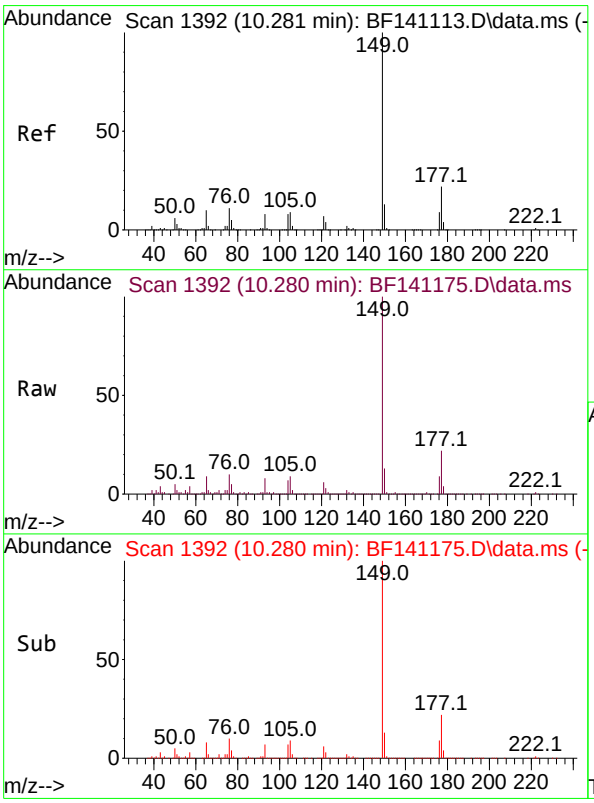

#59
2,3,4,6-Tetrachlorophenol
Concen: 11.396 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:232 Resp: 51375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.4 | 36.2 | 54.4 |
| 130 | 3.5 | 2.0 | 3.0# |
| 166 | 31.9 | 24.2 | 36.4 |

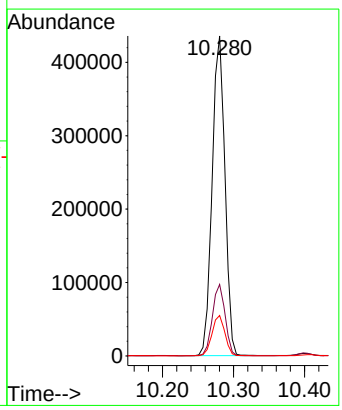


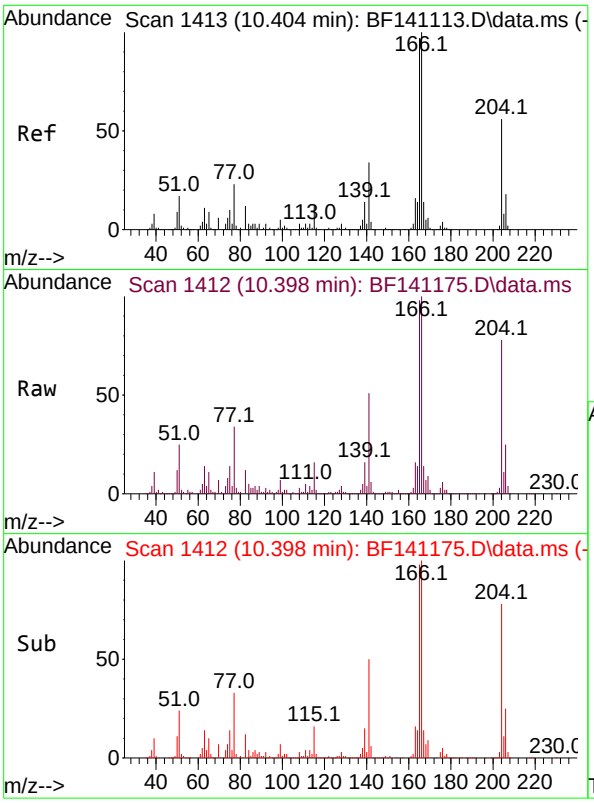




#60
Diethylphthalate
Concen: 31.282 ng
RT: 10.280 min Scan# 1392
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:149 Resp: 543883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.4 | 17.9 | 26.9 |
| 150 | 12.7 | 10.2 | 15.2 |



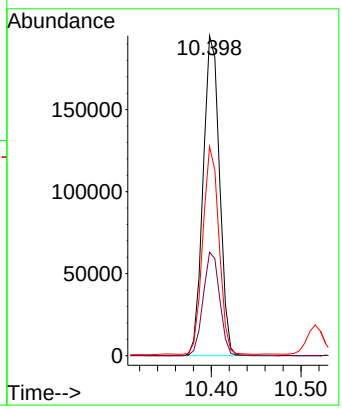


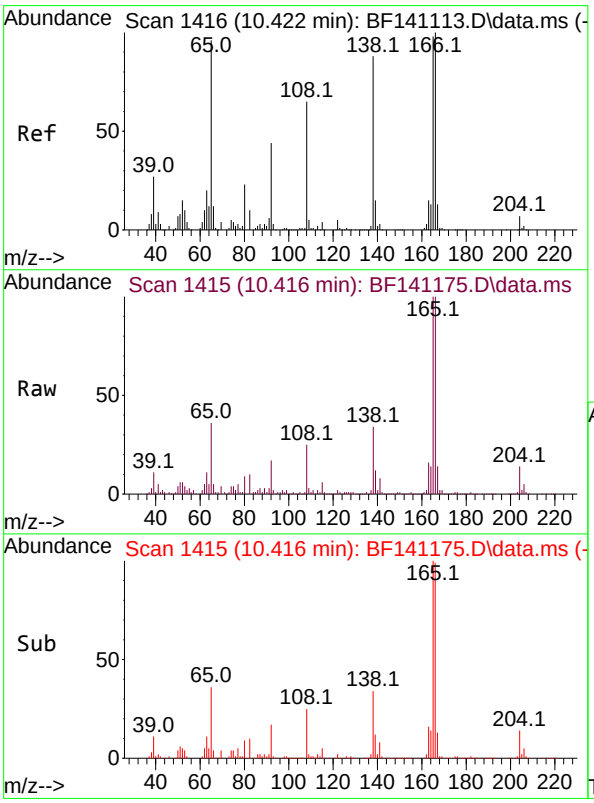

#61
4-Chlorophenyl-phenylether
Concen: 29.974 ng
RT: 10.398 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:204 Resp: 247267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.4 | 25.9 | 38.9 |
| 141 | 65.3 | 49.1 | 73.7 |

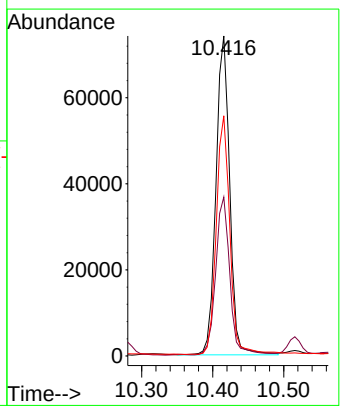


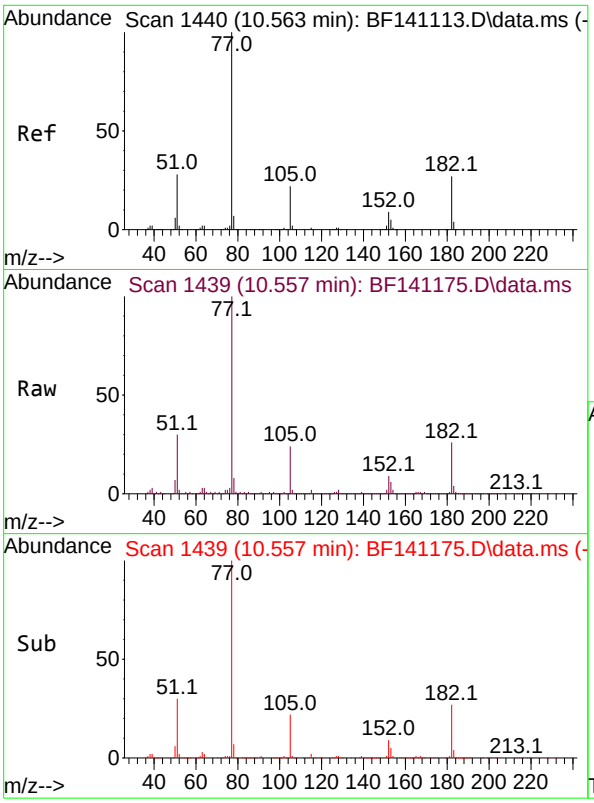




#62
4-Nitroaniline
Concen: 24.070 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:138 Resp: 99151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.6 | 29.4 | 69.4 |
| 108 | 75.1 | 53.7 | 93.7 |



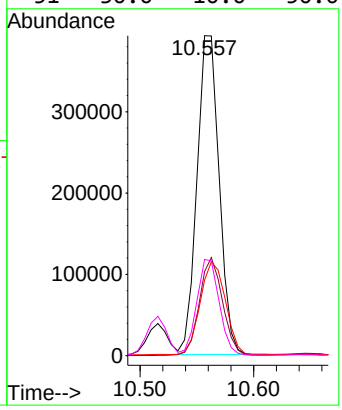


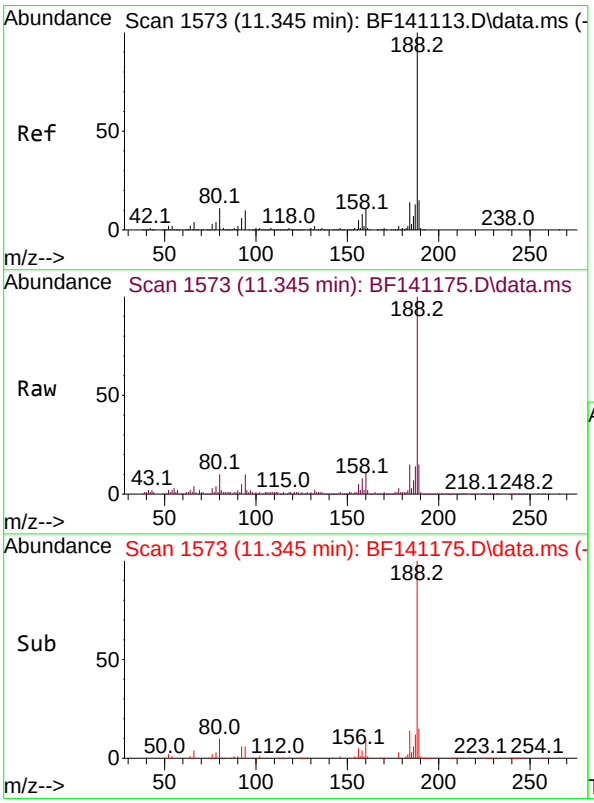

#63
Azobenzene
Concen: 31.058 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion: 77 Resp: 532827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.3 | 6.1 | 46.1 |
| 105 | 23.7 | 2.1 | 42.1 |
| 51 | 30.0 | 10.0 | 50.0 |

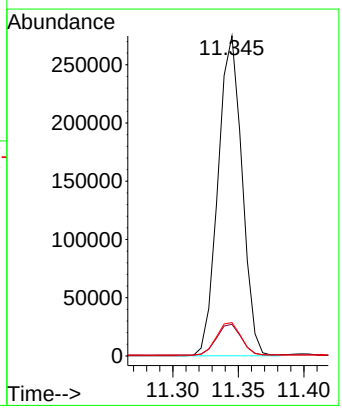


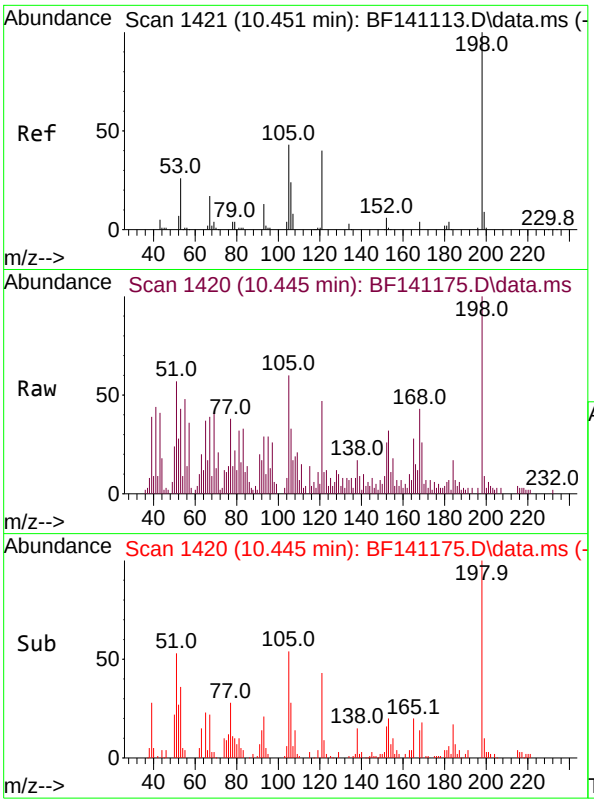




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:188 Resp: 349564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.9 | 8.3 | 12.5 |
| 80 | 10.5 | 9.0 | 13.4 |



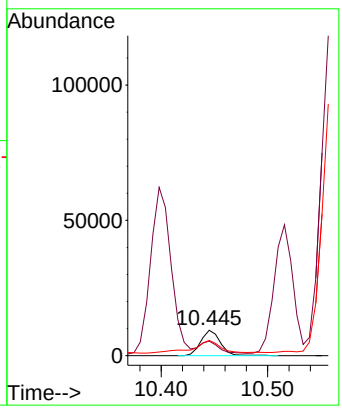


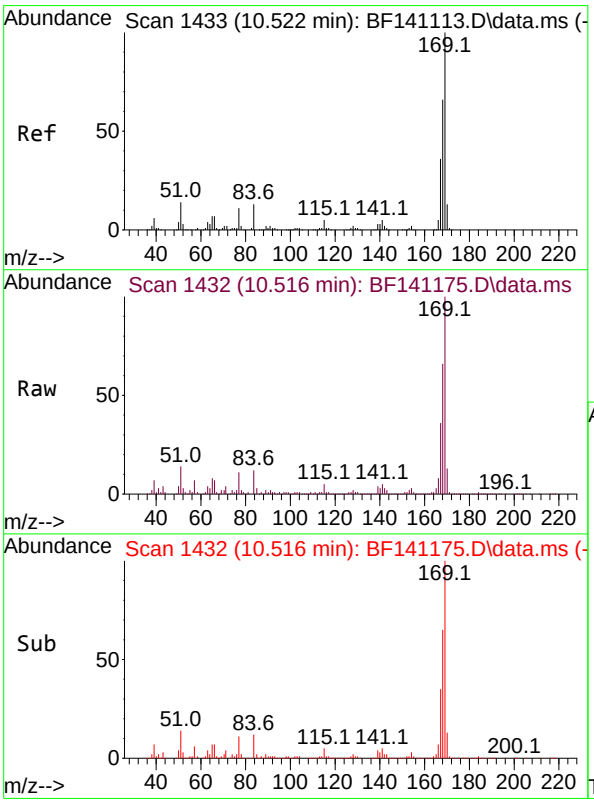

#65
4,6-Dinitro-2-methylphenol
Concen: 5.940 ng
RT: 10.445 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:198 Resp: 12033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 57.2 | 27.1 | 67.1 |
| 105 | 59.8 | 24.2 | 64.2 |

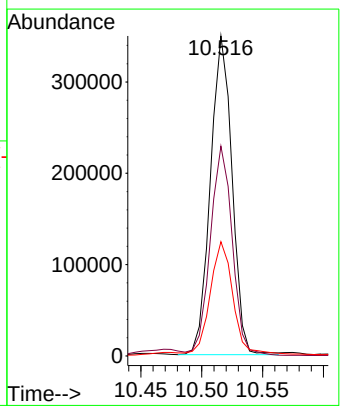


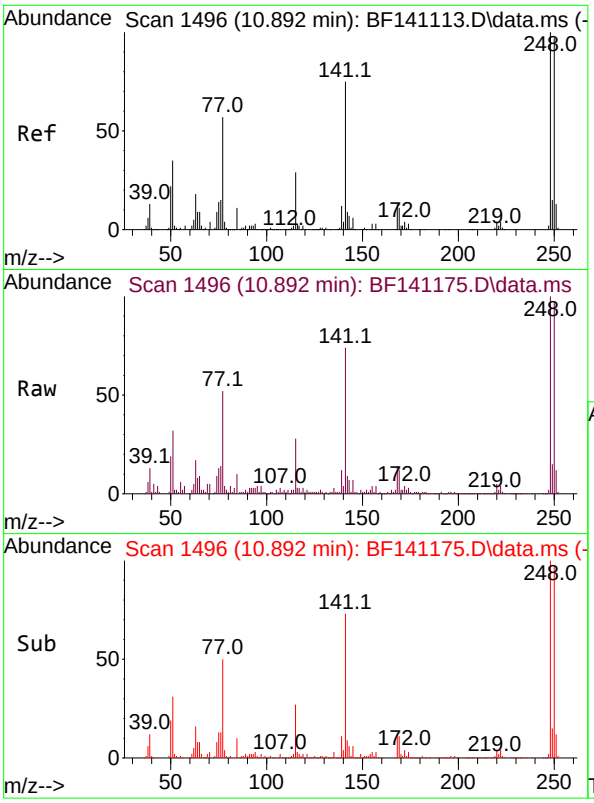




#66
n-Nitrosodiphenylamine
Concen: 38.243 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:169 Resp: 431187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.5 | 52.5 | 78.7 |
| 167 | 35.7 | 28.9 | 43.3 |



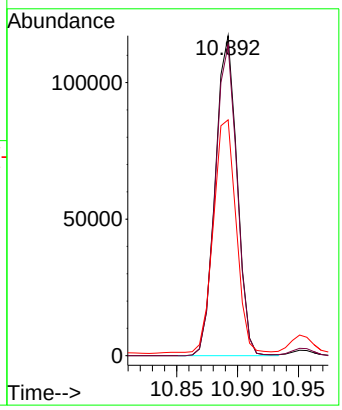


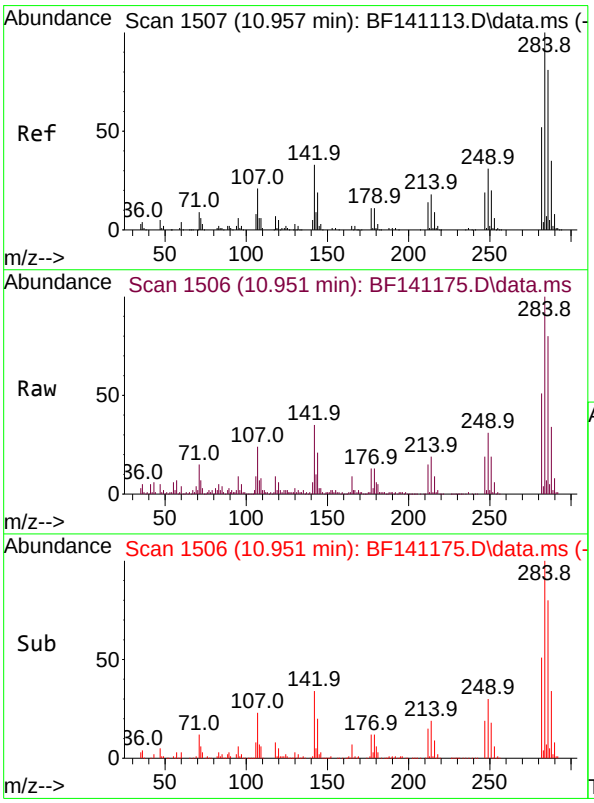

#67
4-Bromophenyl-phenylether
Concen: 36.228 ng
RT: 10.892 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:248 Resp: 145801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.1 | 77.9 | 116.9 |
| 141 | 73.7 | 59.9 | 89.9 |

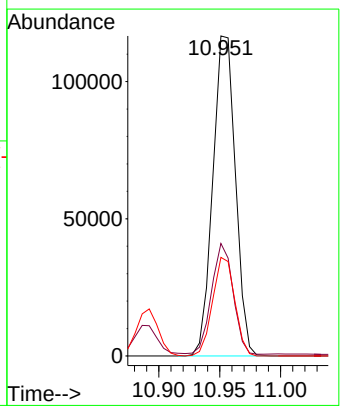


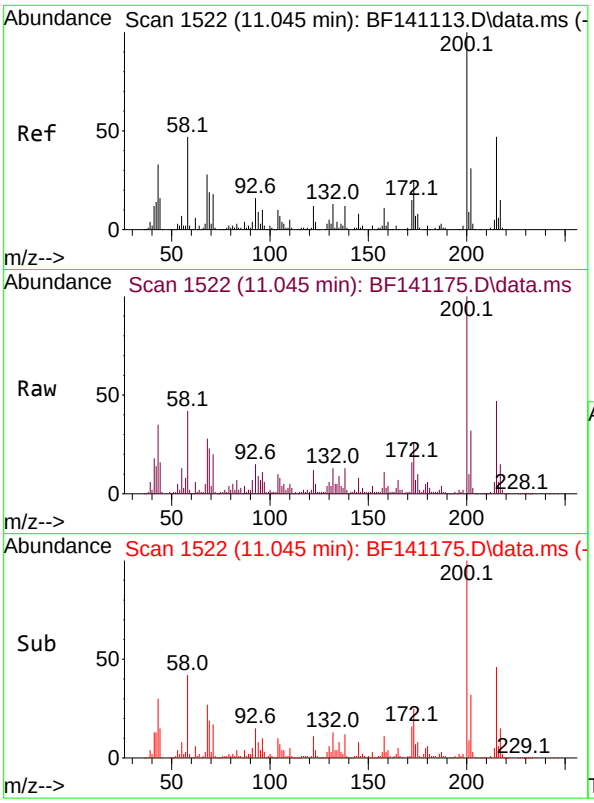




#68
Hexachlorobenzene
Concen: 33.684 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:284 Resp: 150906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 35.2 | 26.3 | 39.5 |
| 249 | 30.8 | 24.9 | 37.3 |



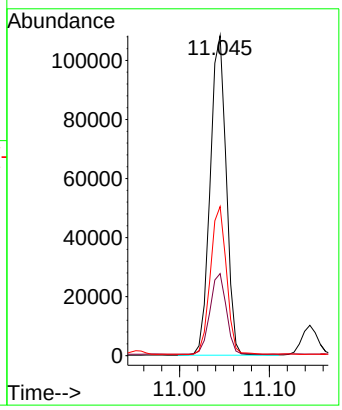


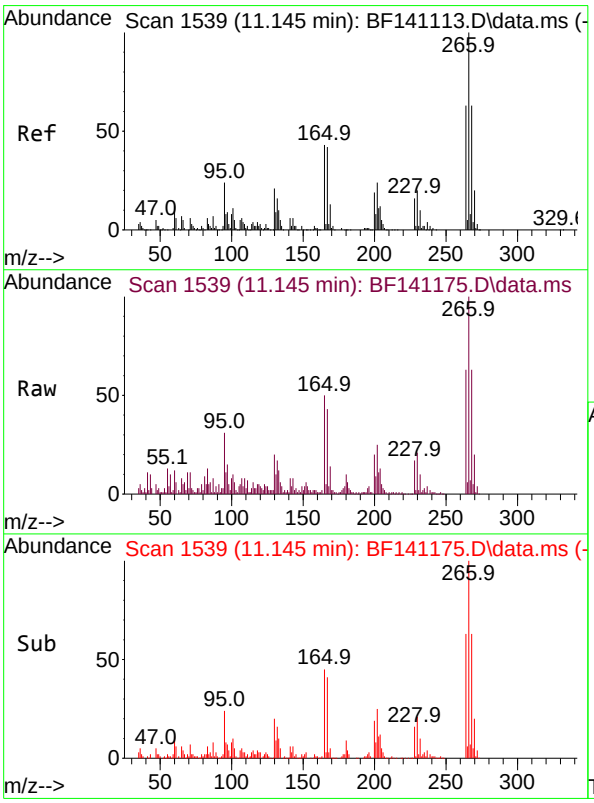

#69
Atrazine
Concen: 44.306 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:200 Resp: 134509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.6 | 5.4 | 45.4 |
| 215 | 46.6 | 26.6 | 66.6 |

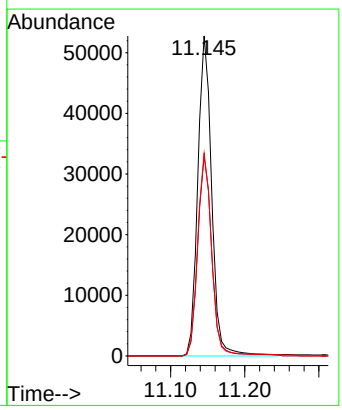


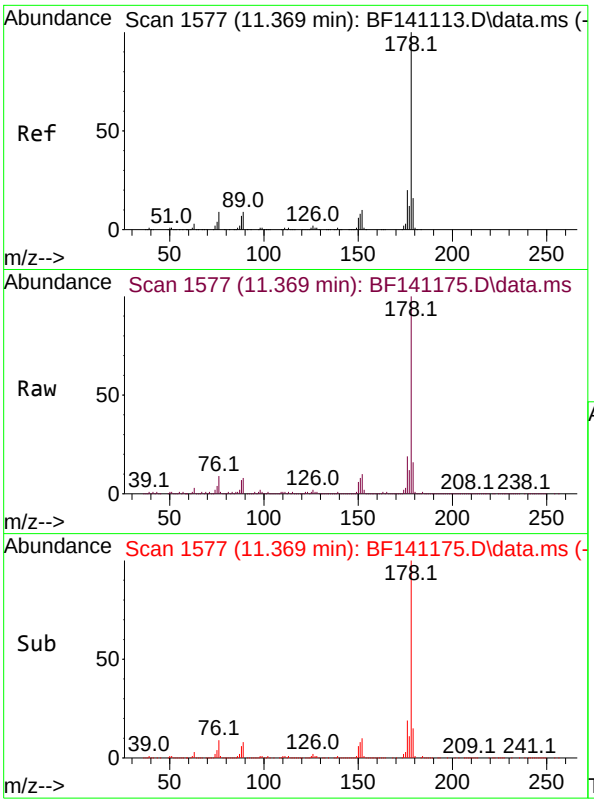




#70
Pentachlorophenol
Concen: 23.886 ng
RT: 11.145 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:266 Resp: 68531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.5 | 50.4 | 75.6 |
| 264 | 63.3 | 50.2 | 75.2 |



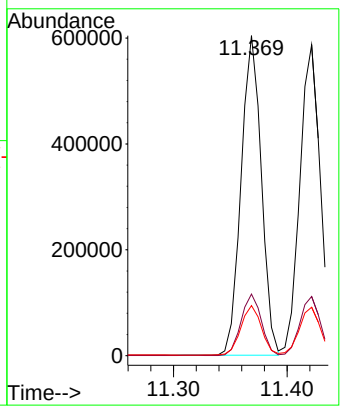


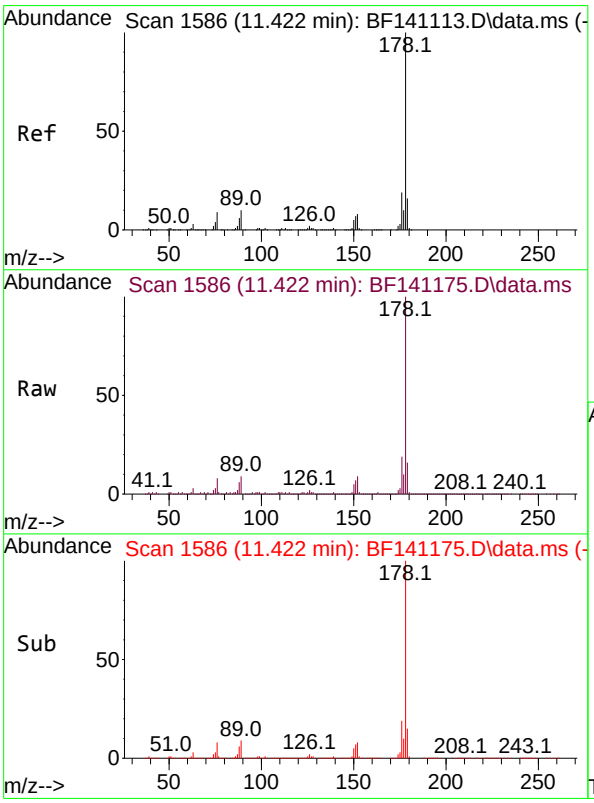

#71
Phenanthrene
Concen: 39.764 ng
RT: 11.369 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:178 Resp: 746258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.7 | 23.5 |
| 179 | 15.7 | 12.6 | 19.0 |

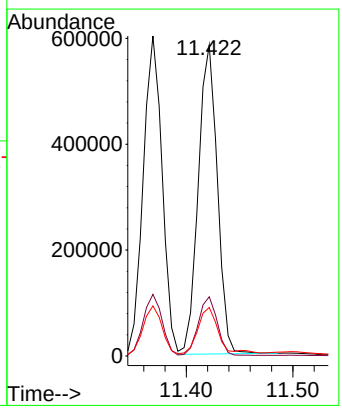


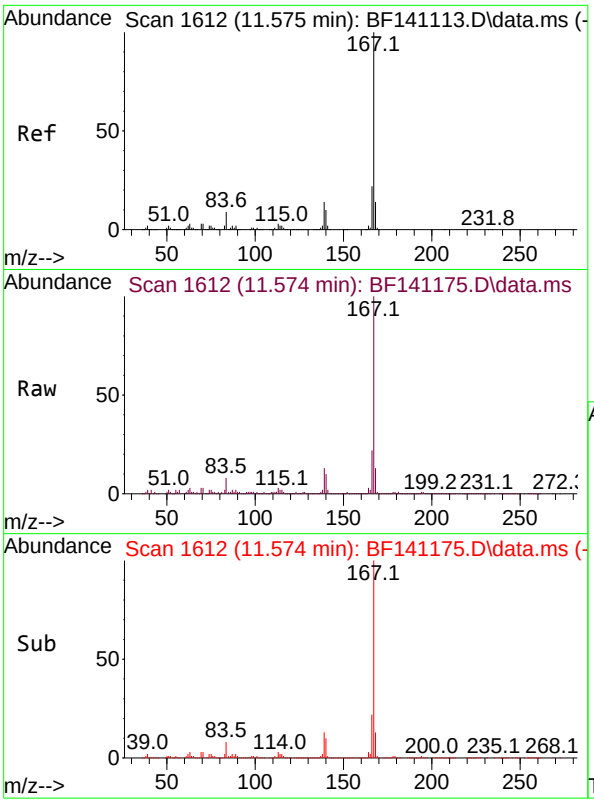




#72
Anthracene
Concen: 39.875 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:178 Resp: 727636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 14.9 | 22.3 |
| 179 | 15.6 | 12.6 | 19.0 |



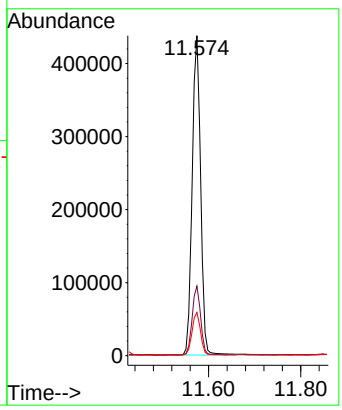


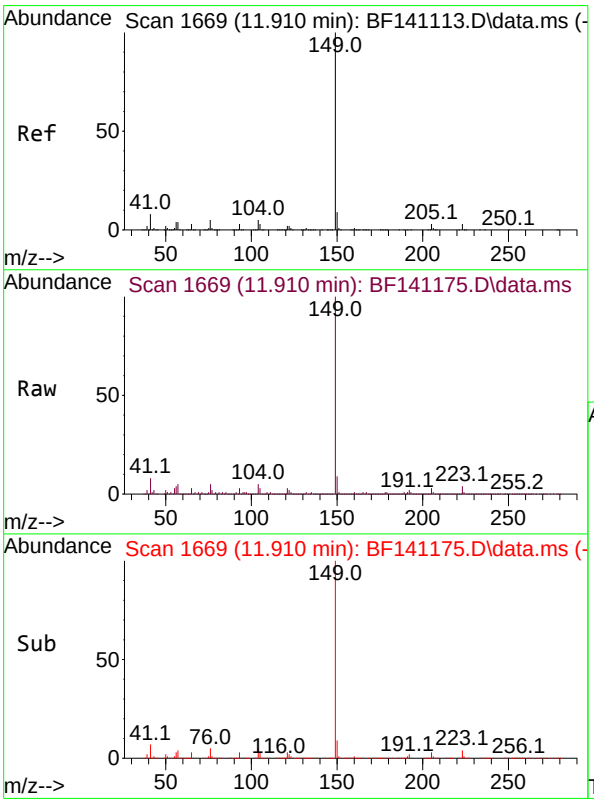

#73
Carbazole
Concen: 33.223 ng
RT: 11.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:167 Resp: 555900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.7 | 17.4 | 26.2 |
| 139 | 13.5 | 10.9 | 16.3 |

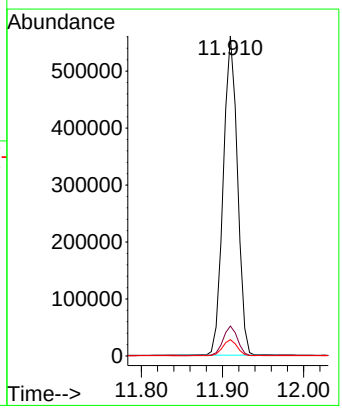


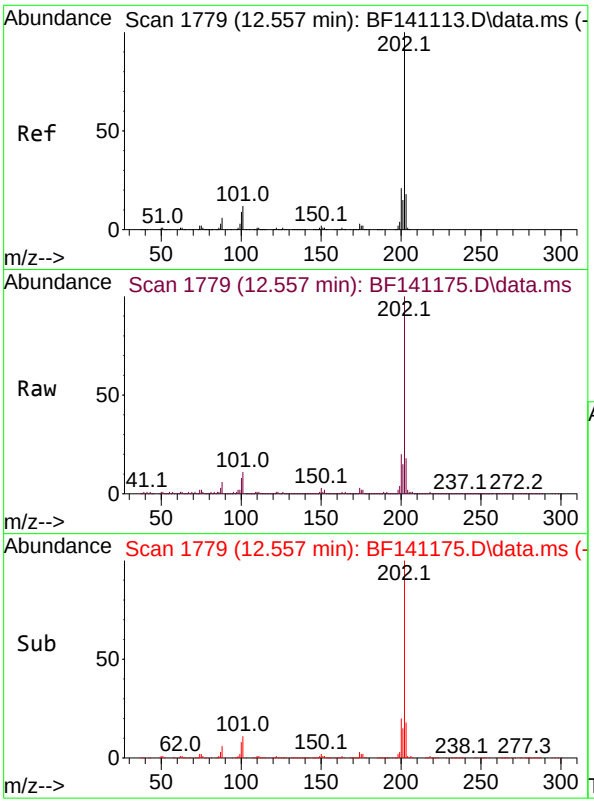




#74
Di-n-butylphthalate
Concen: 35.764 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:149 Resp: 684830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.4 | 11.2 |
| 104 | 5.1 | 4.2 | 6.2 |



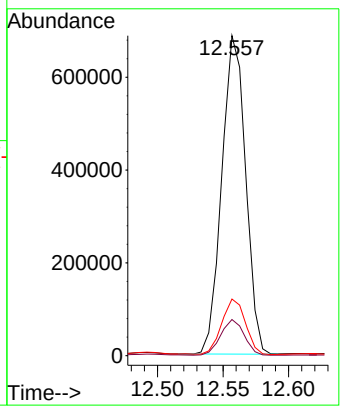


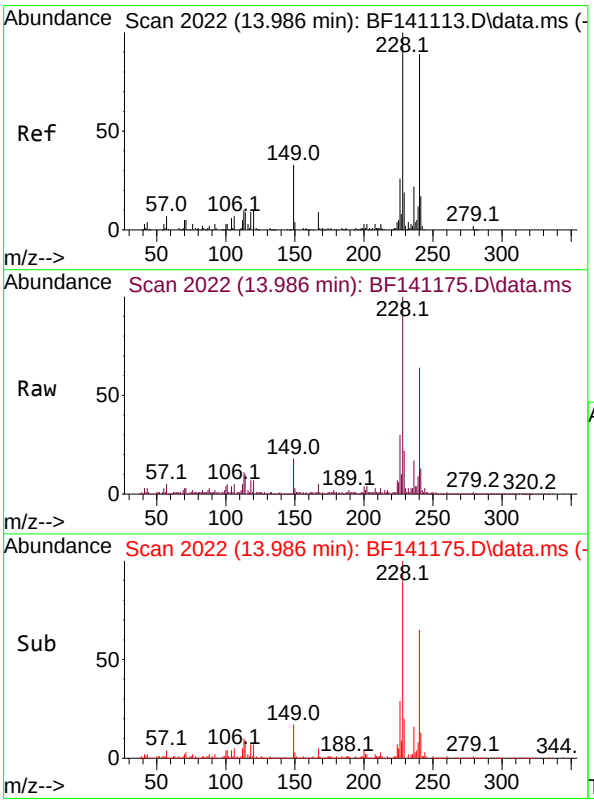

#75
Fluoranthene
Concen: 46.347 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:202 Resp: 867978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.3 | 0.0 | 32.3 |
| 203 | 17.7 | 0.0 | 37.7 |

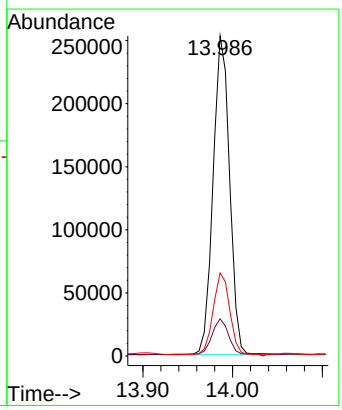


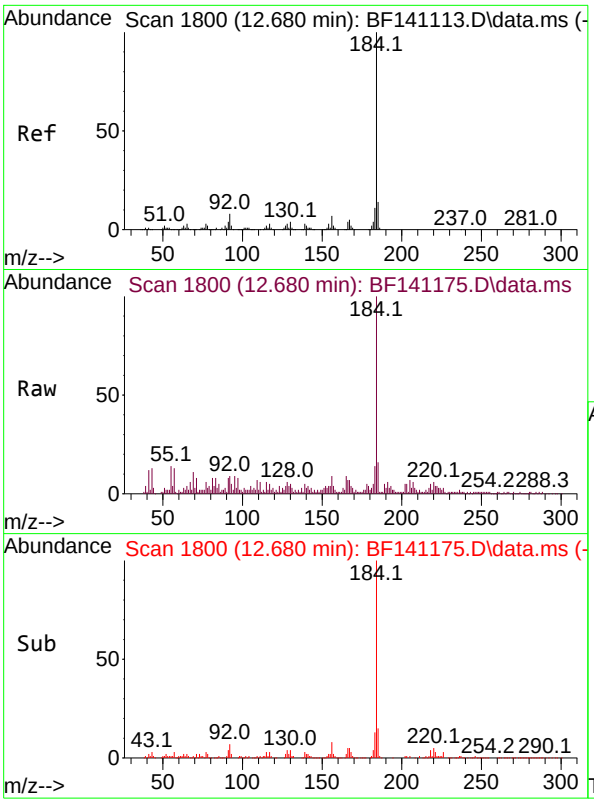




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:240 Resp: 322664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.6 | 9.1 | 13.7 |
| 236 | 25.9 | 19.8 | 29.6 |



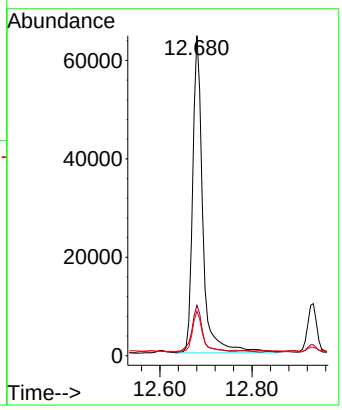


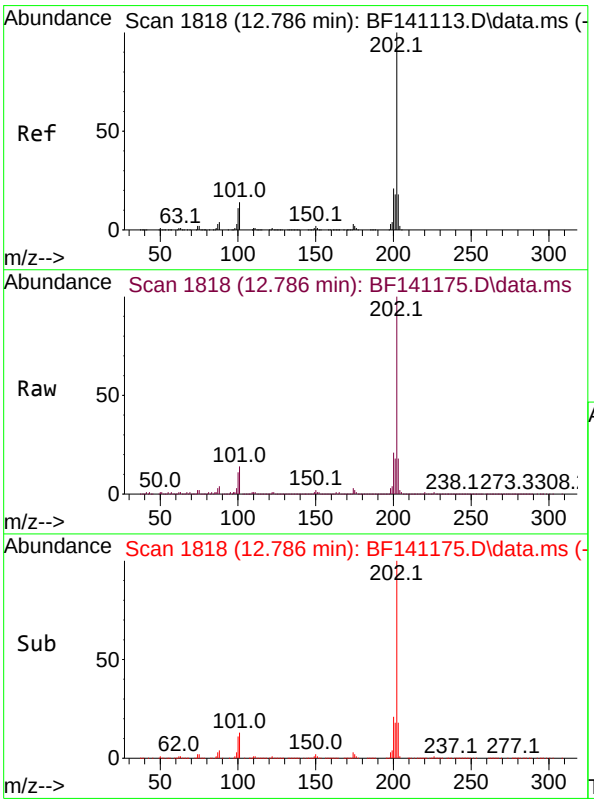

#77
Benzidine
Concen: 16.445 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:184 Resp: 98399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.7 | 11.4 | 17.0 |
| 183 | 13.8 | 9.2 | 13.8# |

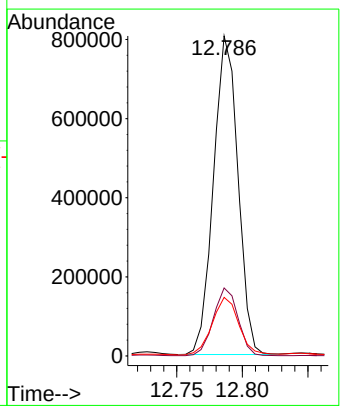


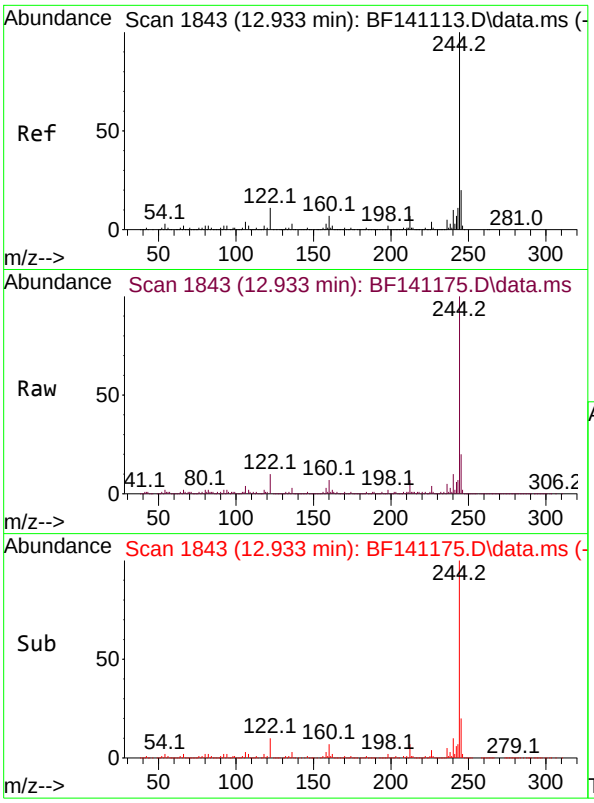




#78
Pyrene
Concen: 33.875 ng
RT: 12.786 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:202 Resp: 1043972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 16.8 | 25.2 |
| 203 | 18.3 | 14.3 | 21.5 |



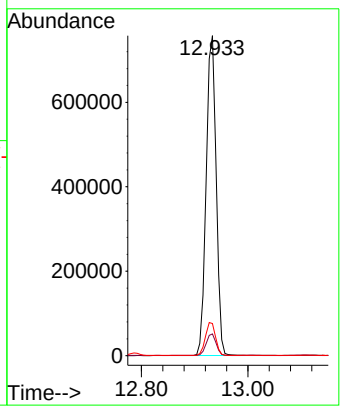


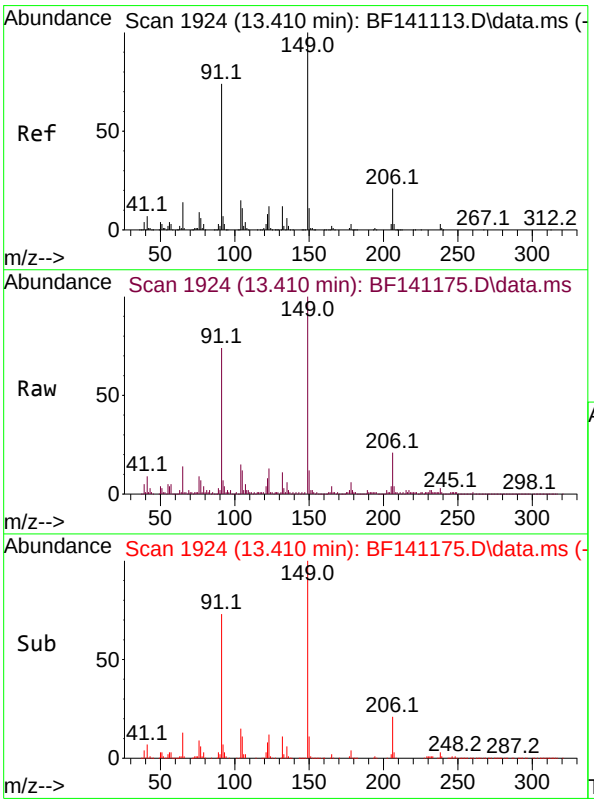

#79
Terphenyl-d14
Concen: 45.364 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:244 Resp: 984818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.4 | 8.2 |
| 122 | 10.0 | 8.8 | 13.2 |

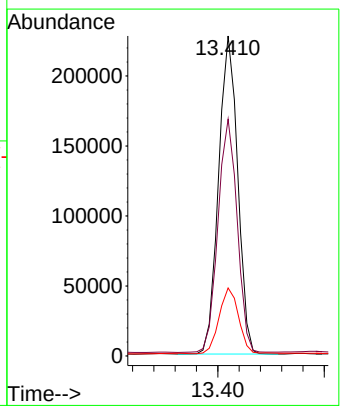


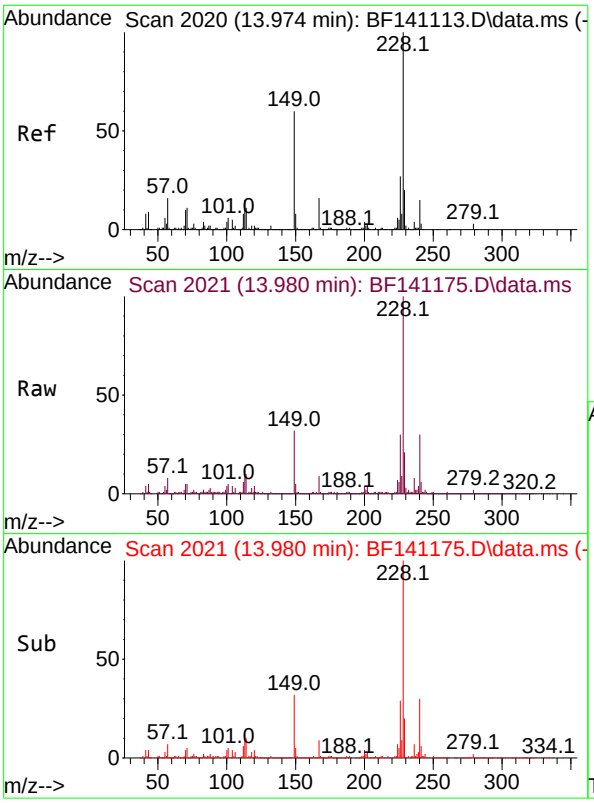




#80
Butylbenzylphthalate
Concen: 27.525 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:149 Resp: 282822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 74.0 | 59.0 | 88.6 |
| 206 | 21.2 | 16.5 | 24.7 |



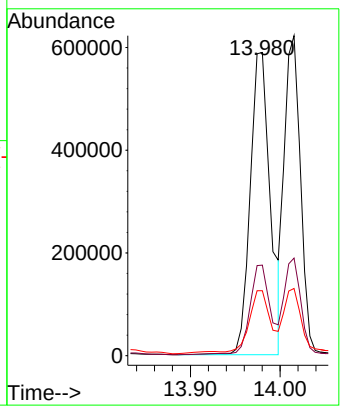


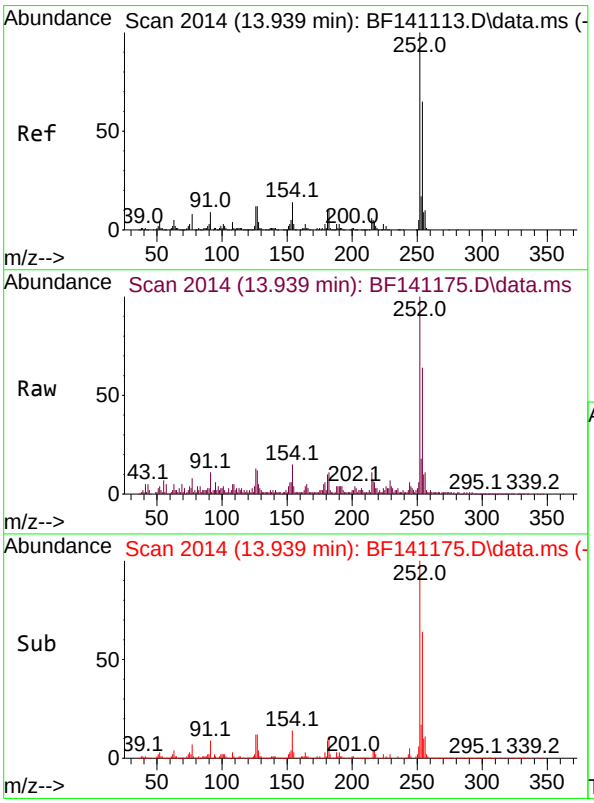

#81
Benzo(a)anthracene
Concen: 41.633 ng
RT: 13.980 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:228 Resp: 914236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 21.7 | 32.5 |
| 229 | 21.4 | 15.7 | 23.5 |

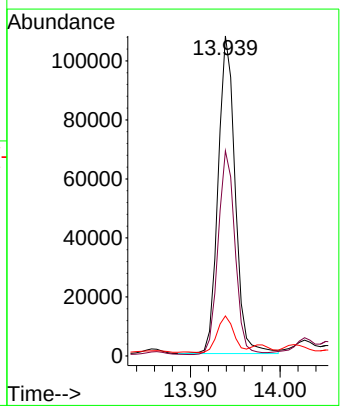


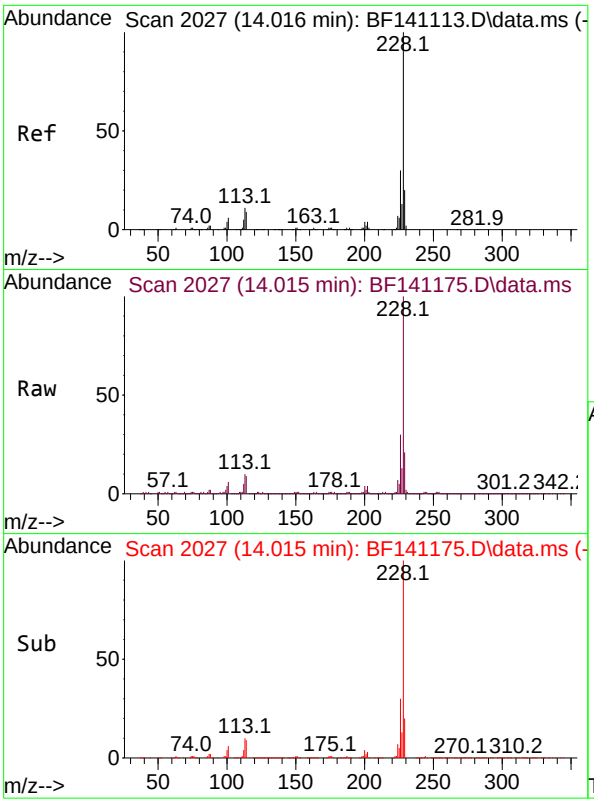




#82
3,3'-Dichlorobenzidine
Concen: 20.276 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:252 Resp: 141773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.1 | 52.0 | 78.0 |
| 126 | 12.5 | 9.4 | 14.0 |



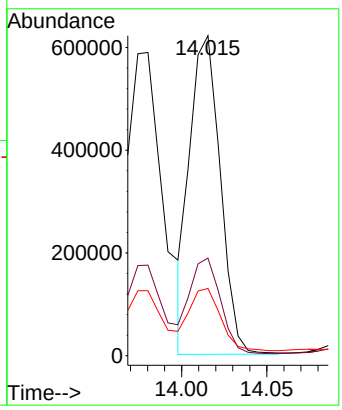


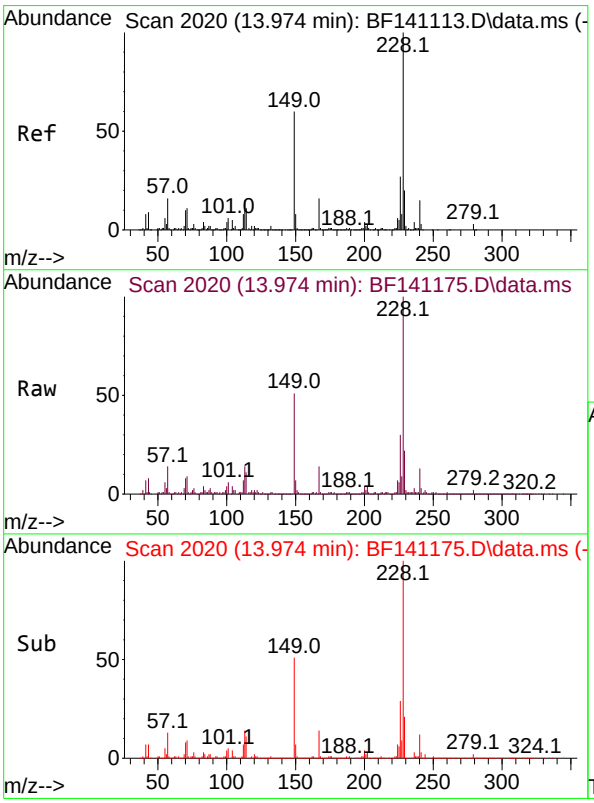

#83
Chrysene
Concen: 37.566 ng
RT: 14.015 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:228 Resp: 771864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 23.8 | 35.8 |
| 229 | 21.0 | 15.8 | 23.8 |

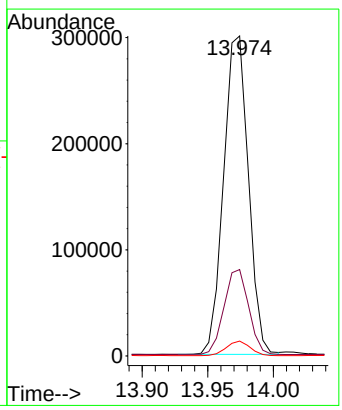


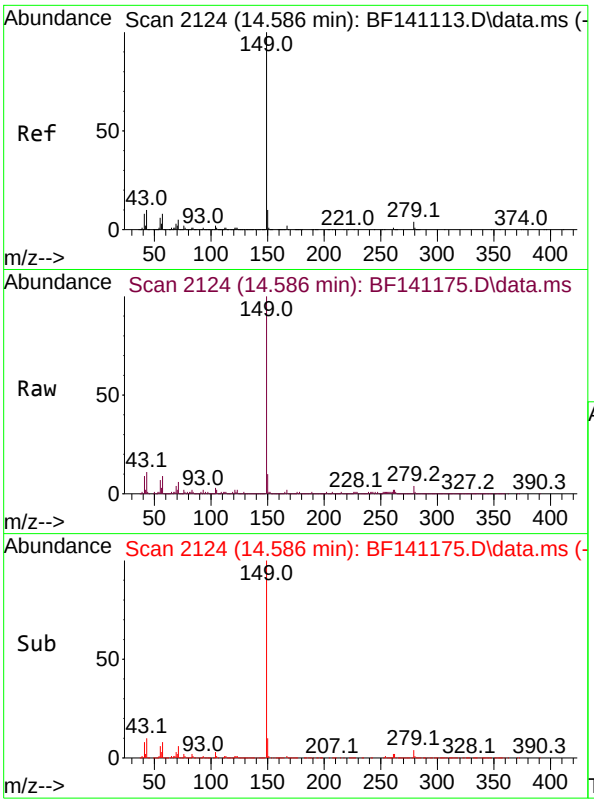




#84
Bis(2-ethylhexyl)phthalate
Concen: 31.980 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:149 Resp: 394268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.0 | 21.4 | 32.2 |
| 279 | 4.6 | 3.4 | 5.2 |



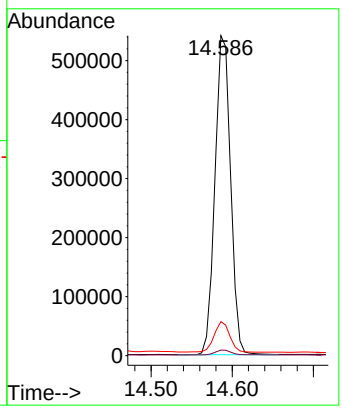


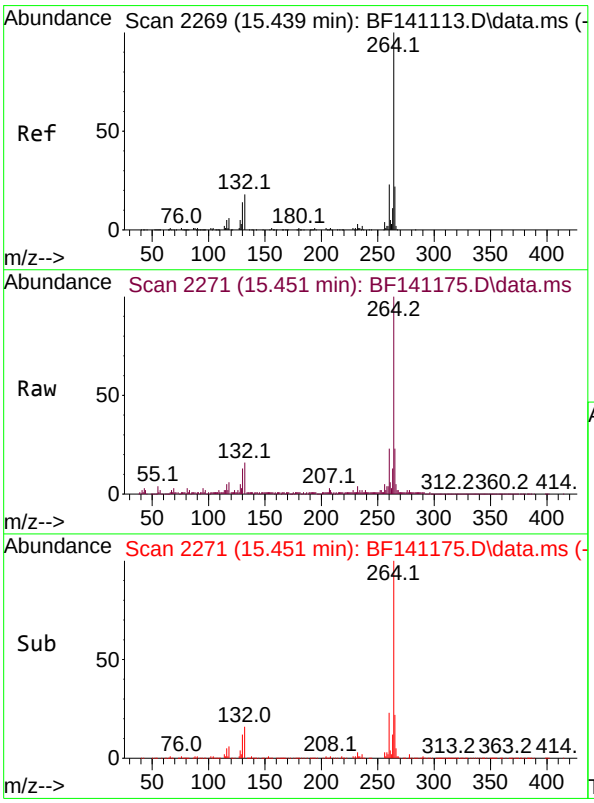

#85
Di-n-octyl phthalate
Concen: 38.895 ng
RT: 14.586 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:149 Resp: 724119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.6 | 8.4 | 12.6 |

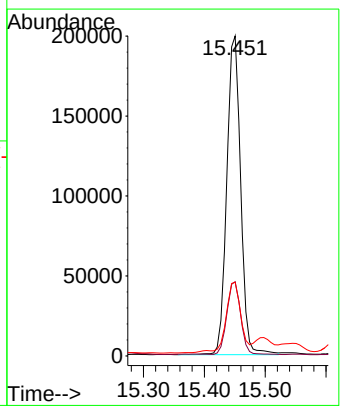


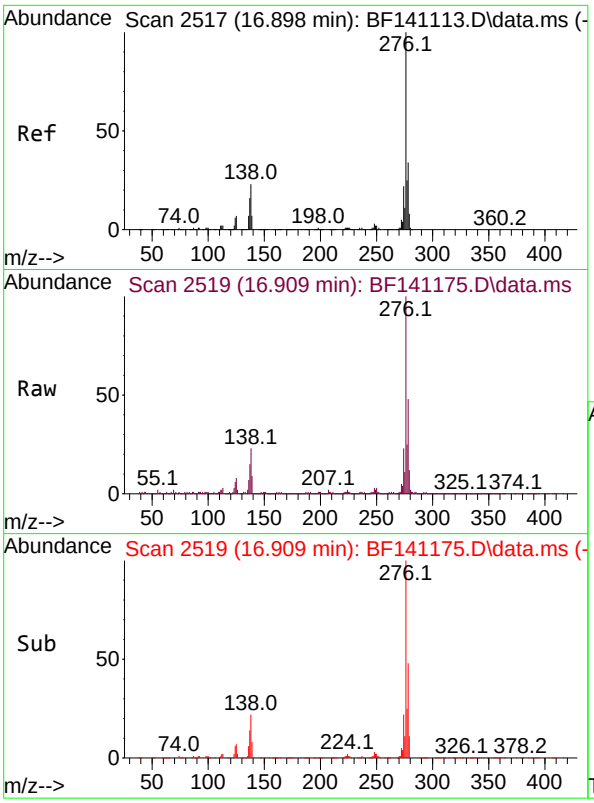




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:264 Resp: 314686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.6 | 28.0 |
| 265 | 23.0 | 17.4 | 26.0 |



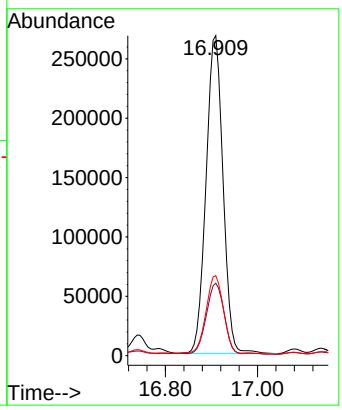


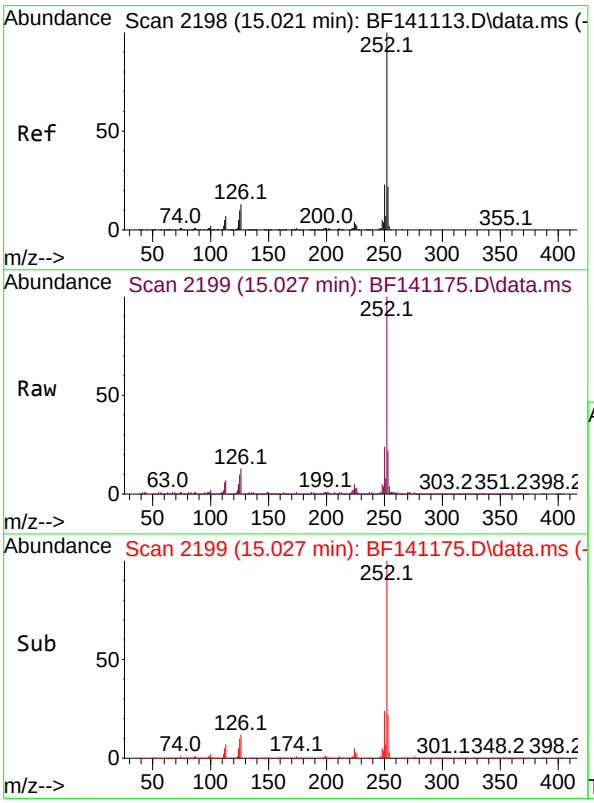

#87
Indeno(1,2,3-cd)pyrene
Concen: 29.752 ng
RT: 16.909 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:276 Resp: 685937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.9 | 20.7 | 31.1 |
| 277 | 25.1 | 20.6 | 30.8 |

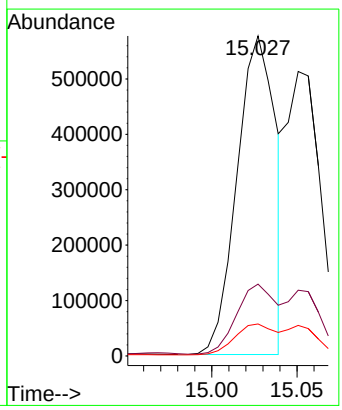


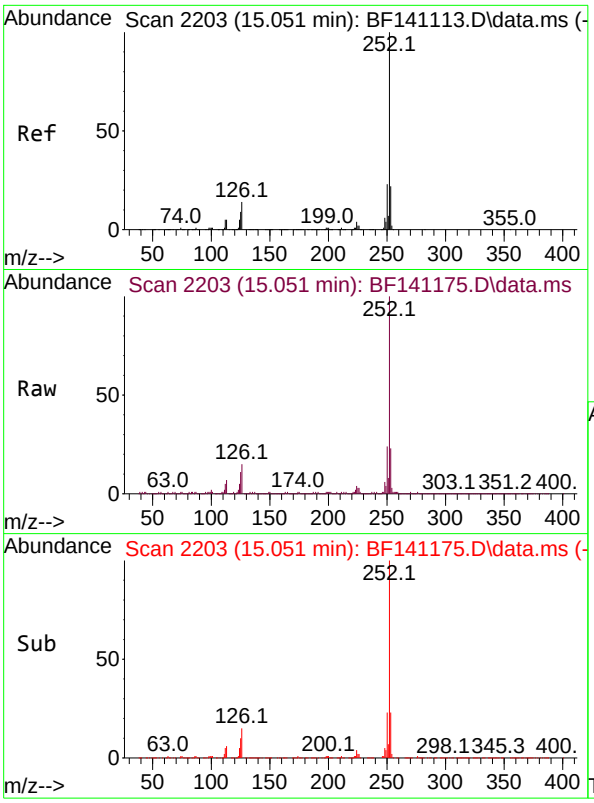




#88
Benzo(b)fluoranthene
Concen: 44.658 ng
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:252 Resp: 906206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.8 | 26.6 |
| 125 | 10.0 | 8.1 | 12.1 |



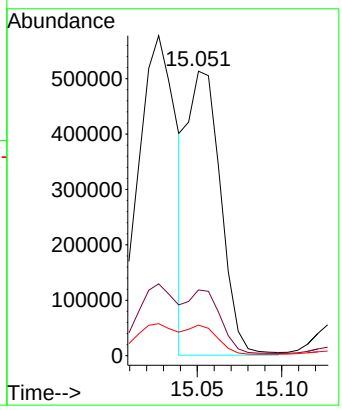


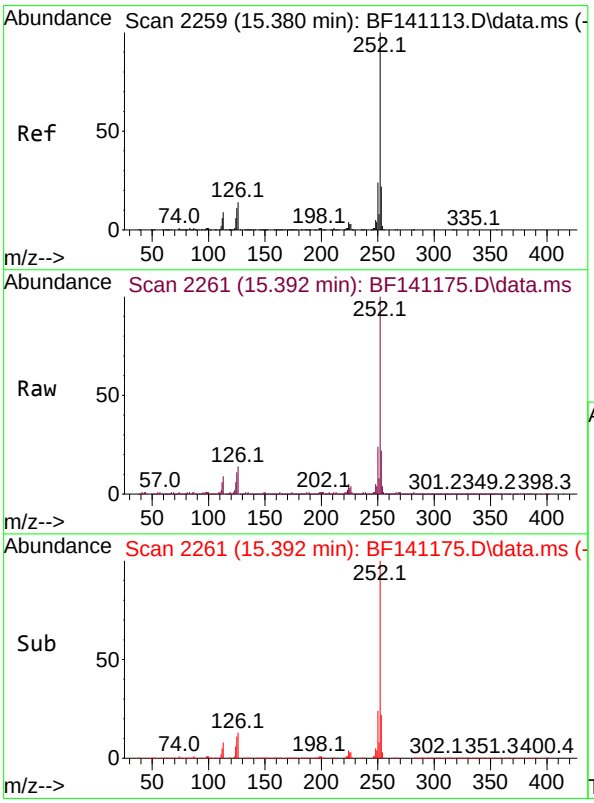

#89
Benzo(k)fluoranthene
Concen: 41.204 ng m
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:252 Resp: 706586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 17.8 | 26.8 |
| 125 | 10.8 | 7.9 | 11.9 |

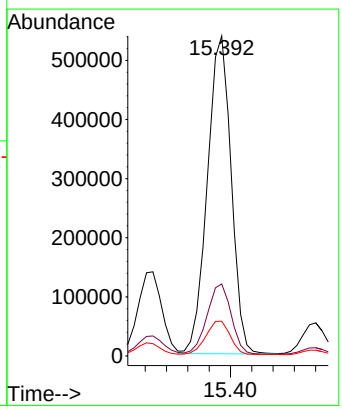


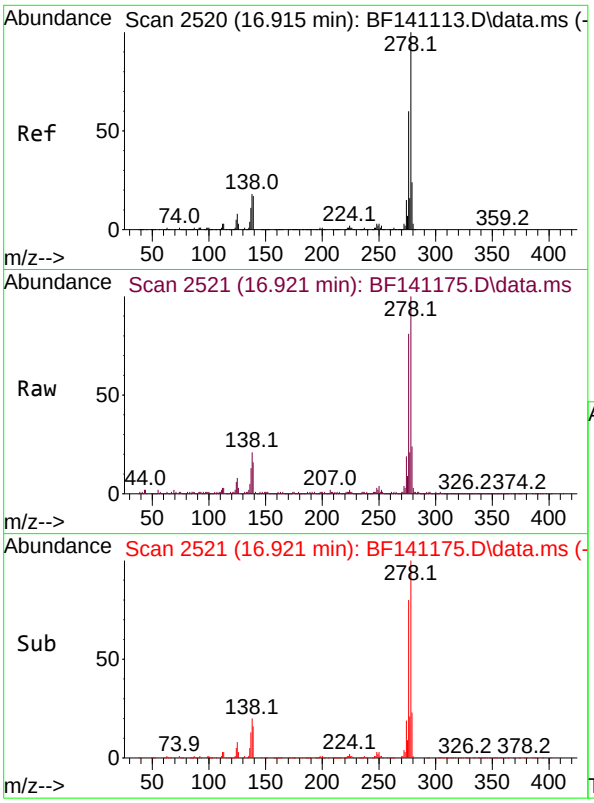




#90
Benzo(a)pyrene
Concen: 49.865 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.012 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:252 Resp: 834847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.7 | 26.5 |
| 125 | 10.8 | 9.1 | 13.7 |



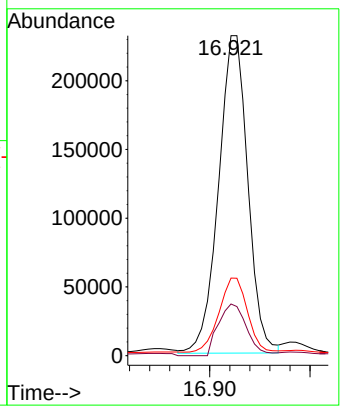


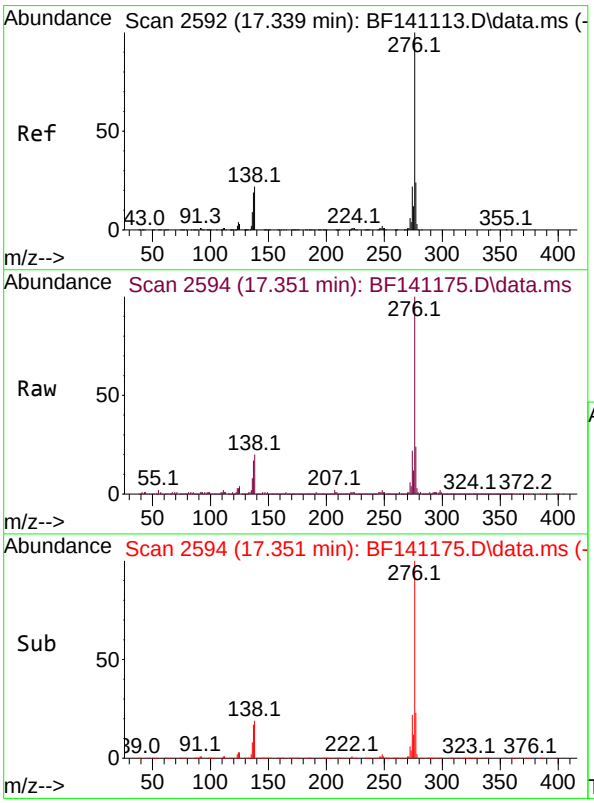

#91
Dibenzo(a,h)anthracene
Concen: 25.100 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:278 Resp: 468043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.1 | 13.8 | 20.6 |
| 279 | 24.2 | 19.1 | 28.7 |

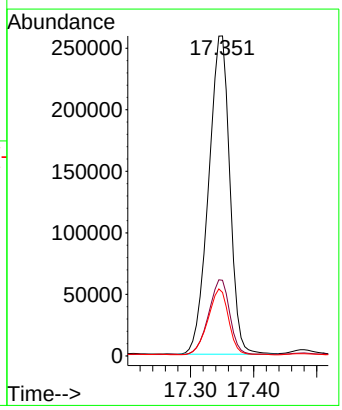



#92
Benzo(g,h,i)perylene
Concen: 31.124 ng
RT: 17.351 min Scan# 2594
Delta R.T. 0.012 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:276 Resp: 603676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 19.0 | 28.4 |
| 138 | 19.8 | 17.4 | 26.2 |



Raw Data: **BF141176.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 01/10/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 01/10/25 |
| Client Sample ID: | TR-06-1-10-2025MSD | SDG No.: | Q1069 |
| Lab Sample ID: | Q1068-01MSD | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 90.5 |
| Sample Wt/Vol: | 50.02 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 |
|---|---|---|---|---|
| BF141176.D | 1 | 01/13/25 08:54 | 01/15/25 16:40 | PB166035 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 130 | J | 120 | 180 | 220 | ug/Kg |
| 108-95-2 | Phenol | 700 | | 54.9 | 86.2 | 110 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 700 | | 55.5 | 86.2 | 110 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 670 | | 55.3 | 86.2 | 110 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 700 | | 53.4 | 86.2 | 110 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 660 | | 60.2 | 86.2 | 110 | ug/Kg |
| 98-86-2 | Acetophenone | 690 | | 57.6 | 86.2 | 110 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 710 | | 52.9 | 180 | 220 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 690 | | 26.7 | 53.0 | 53.0 | ug/Kg |
| 67-72-1 | Hexachloroethane | 640 | | 55.0 | 86.2 | 110 | ug/Kg |
| 98-95-3 | Nitrobenzene | 640 | | 60.2 | 86.2 | 110 | ug/Kg |
| 78-59-1 | Isophorone | 700 | | 56.1 | 86.2 | 110 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 550 | | 62.6 | 86.2 | 110 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 810 | | 61.8 | 86.2 | 110 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 680 | | 56.9 | 86.2 | 110 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 640 | | 50.0 | 86.2 | 110 | ug/Kg |
| 91-20-3 | Naphthalene | 700 | | 54.7 | 86.2 | 110 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 290 | | 54.7 | 86.2 | 110 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 630 | | 55.2 | 86.2 | 110 | ug/Kg |
| 105-60-2 | Caprolactam | 670 | | 57.5 | 180 | 220 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 710 | | 51.4 | 86.2 | 110 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 710 | | 54.7 | 86.2 | 110 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 970 | | 100 | 180 | 220 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 390 | | 47.3 | 86.2 | 110 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 510 | | 49.0 | 86.2 | 110 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 720 | | 57.9 | 86.2 | 110 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 680 | | 55.2 | 86.2 | 110 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 730 | | 63.0 | 86.2 | 110 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 720 | | 54.1 | 86.2 | 110 | ug/Kg |

Raw Data: **BF141176.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 01/10/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 01/10/25 |
| Client Sample ID: | TR-06-1-10-2025MSD | SDG No.: | Q1069 |
| Lab Sample ID: | Q1068-01MSD | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 90.5 |
| Sample Wt/Vol: | 50.02 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 |
|---|---|---|---|---|
| BF141176.D | 1 | 01/13/25 08:54 | 01/15/25 16:40 | PB166035 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 850 | | 57.3 | 86.2 | 110 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 680 | | 55.1 | 86.2 | 110 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 560 | | 59.1 | 86.2 | 110 | ug/Kg |
| 83-32-9 | Acenaphthene | 680 | | 53.7 | 86.2 | 110 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 180 | U | 160 | 180 | 220 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 540 | | 76.9 | 180 | 220 | ug/Kg |
| 132-64-9 | Dibenzofuran | 700 | | 55.9 | 86.2 | 110 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 700 | | 57.1 | 86.2 | 110 | ug/Kg |
| 84-66-2 | Diethylphthalate | 710 | | 53.1 | 86.2 | 110 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 700 | | 56.7 | 86.2 | 110 | ug/Kg |
| 86-73-7 | Fluorene | 720 | | 56.7 | 86.2 | 110 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 620 | | 70.9 | 86.2 | 110 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 99.8 | J | 77.5 | 180 | 220 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 840 | | 54.1 | 86.2 | 110 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 780 | | 52.3 | 86.2 | 110 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 740 | | 56.3 | 86.2 | 110 | ug/Kg |
| 1912-24-9 | Atrazine | 990 | | 60.6 | 86.2 | 110 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 510 | | 51.2 | 180 | 220 | ug/Kg |
| 85-01-8 | Phenanthrene | 890 | | 55.7 | 86.2 | 110 | ug/Kg |
| 120-12-7 | Anthracene | 900 | | 55.9 | 86.2 | 110 | ug/Kg |
| 86-74-8 | Carbazole | 730 | | 53.2 | 86.2 | 110 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 780 | | 55.9 | 86.2 | 110 | ug/Kg |
| 206-44-0 | Fluoranthene | 930 | | 54.1 | 86.2 | 110 | ug/Kg |
| 129-00-0 | Pyrene | 870 | | 55.0 | 86.2 | 110 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 690 | | 64.2 | 86.2 | 110 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 460 | | 65.3 | 180 | 220 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 870 | | 53.5 | 86.2 | 110 | ug/Kg |
| 218-01-9 | Chrysene | 900 | | 52.7 | 86.2 | 110 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 770 | | 60.3 | 86.2 | 110 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 830 | | 72.9 | 180 | 220 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 1100 | | 53.7 | 86.2 | 110 | ug/Kg |

Raw Data: **BF141176.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 01/10/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 01/10/25 |
| Client Sample ID: | TR-06-1-10-2025MSD | SDG No.: | Q1069 |
| Lab Sample ID: | Q1068-01MSD | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 90.5 |
| Sample Wt/Vol: | 50.02 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 |
|---|---|---|---|---|
| BF141176.D | 1 | 01/13/25 08:54 | 01/15/25 16:40 | PB166035 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 890 | | 54.7 | 86.2 | 110 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 1200 | | 61.6 | 86.2 | 110 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 730 | | 51.8 | 86.2 | 110 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 610 | | 53.8 | 86.2 | 110 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 770 | | 53.1 | 86.2 | 110 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 720 | | 57.5 | 86.2 | 110 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 540 | | 72.9 | 86.2 | 110 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 290 | | 49.5 | 86.2 | 110 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 74.2 | | 35 - 115 | | 49% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 88.2 | | 34 - 127 | | 59% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 62.1 | | 37 - 122 | | 62% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 62.6 | | 44 - 115 | | 63% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 37.1 | * | 39 - 132 | | 25% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 52.3 | * | 54 - 127 | | 52% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 143000 | 6.822 | | | | |
| 1146-65-2 | Naphthalene-d8 | 569000 | 8.104 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 295000 | 9.863 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 427000 | 11.345 | | | | |
| 1719-03-5 | Chrysene-d12 | 307000 | 13.992 | | | | |
| 1520-96-3 | Perylene-d12 | 256000 | 15.468 | | | | |

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\BF011525\
Data File : BF141176.D
Acq On : 15 Jan 2025 16:40
Operator : RC/JU
Sample : Q1068-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Quant Time: Jan 15 17:10:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 143081 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 569188 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.863 | 164 | 294771 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 427420 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.992 | 240 | 307236 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.468 | 264 | 256318 | 20.000 | ng | | 0.03 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 687064 | 74.180 | ng | | 0.00 |
| 7) Phenol-d6 | 6.445 | 99 | 1035177 | 88.232 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.381 | 82 | 666857 | 62.104 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.645 | 330 | 124689 | 37.124 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.181 | 172 | 1207713 | 62.565 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 1080678 | 52.280 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.575 | 88 | 99902 | 24.221 | ng | | 99 |
| 3) Pyridine | 3.316 | 79 | 249451 | 24.663 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.257 | 42 | 144877 | 29.295 | ng | | 98 |
| 6) Aniline | 6.481 | 93 | 163222 | 15.670 | ng | | 97 |
| 8) 2-Chlorophenol | 6.604 | 128 | 300320 | 30.222 | ng | | 96 |
| 9) Benzaldehyde | 6.369 | 77 | 40776 | 5.901 | ng | | 94 |
| 10) Phenol | 6.463 | 94 | 396493 | 31.570 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.557 | 93 | 295551 | 31.577 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.763 | 146 | 316476 | 28.555 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.840 | 146 | 323869 | 28.999 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.992 | 146 | 315295 | 30.265 | ng | | 97 |
| 15) Benzyl Alcohol | 6.957 | 79 | 280336 | 33.086 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.092 | 45 | 390750 | 29.918 | ng | | 97 |
| 17) 2-Methylphenol | 7.069 | 107 | 253262 | 31.569 | ng | | 99 |
| 18) Hexachloroethane | 7.334 | 117 | 116502 | 28.846 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.234 | 70 | 214591 | 31.050 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.222 | 107 | 324187 | 32.030 | ng | # | 87 |
| 22) Acetophenone | 7.228 | 105 | 420478 | 31.075 | ng | | 97 |
| 24) Nitrobenzene | 7.404 | 77 | 325628 | 29.097 | ng | | 97 |
| 25) Isophorone | 7.639 | 82 | 583759 | 31.812 | ng | | 99 |
| 26) 2-Nitrophenol | 7.716 | 139 | 127008 | 24.949 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.757 | 122 | 250815 | 36.528 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.851 | 93 | 356419 | 30.949 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.957 | 162 | 236851 | 29.043 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 268865 | 28.843 | ng | | 100 |
| 31) Naphthalene | 8.128 | 128 | 948739 | 31.607 | ng | | 100 |
| 32) Benzoic acid | 7.869 | 122 | 10799m | 1.639 | ng | | |
| 33) 4-Chloroaniline | 8.175 | 127 | 134518 | 12.958 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 159147 | 28.334 | ng | | 99 |
| 35) Caprolactam | 8.522 | 113 | 81493 | 30.523 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.651 | 107 | 284843 | 31.937 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 614978 | 32.151 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 571584 | 30.321 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.981 | 216 | 274538 | 32.449 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 121583 | 43.925 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 101888 | 17.856 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141176.D
Acq On : 15 Jan 2025 16:40
Operator : RC/JU
Sample : Q1068-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Quant Time: Jan 15 17:10:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

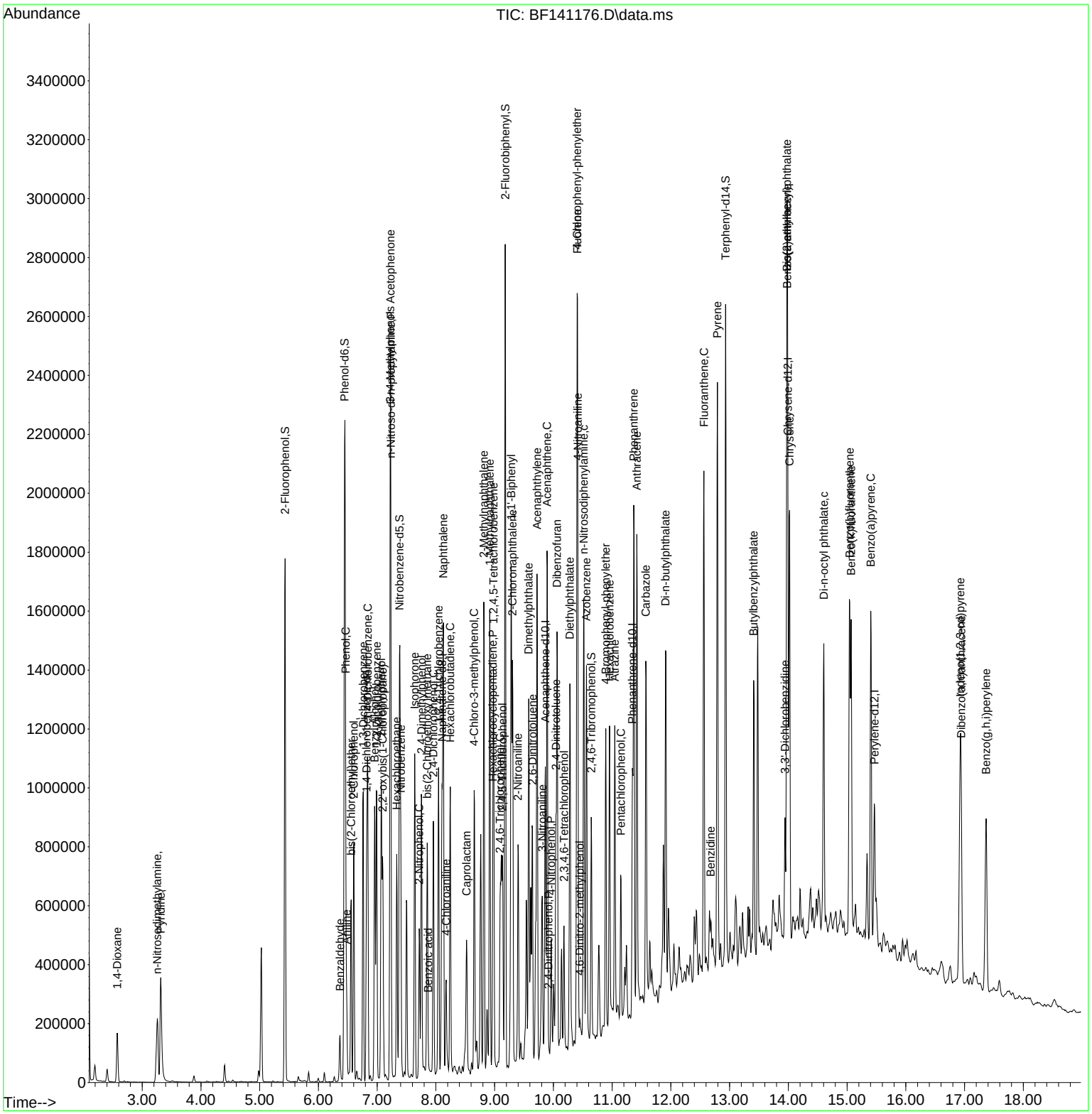
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.133 | 196 | 137849 | 22.875 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.281 | 154 | 744386 | 32.517 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.304 | 162 | 549279 | 30.807 | ng | | 99 |
| 48) 2-Nitroaniline | 9.398 | 65 | 173916 | 32.905 | ng | | 98 |
| 49) Acenaphthylene | 9.722 | 152 | 977297 | 38.365 | ng | | 99 |
| 50) Dimethylphthalate | 9.581 | 163 | 646040 | 32.646 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.645 | 165 | 141448 | 30.737 | ng | | 98 |
| 52) Acenaphthene | 9.892 | 154 | 549398 | 30.870 | ng | | 99 |
| 53) 3-Nitroaniline | 9.810 | 138 | 118024 | 25.238 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 9.916 | 184 | 5836 | 2.668 | ng | # | 1 |
| 55) Dibenzofuran | 10.063 | 168 | 772302 | 31.903 | ng | | 99 |
| 56) 4-Nitrophenol | 9.963 | 139 | 89059 | 24.317 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 10.045 | 165 | 186784 | 31.495 | ng | | 99 |
| 58) Fluorene | 10.410 | 166 | 609361 | 32.401 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.181 | 232 | 66467 | 13.269 | ng | | 99 |
| 60) Diethylphthalate | 10.280 | 149 | 620252 | 32.105 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204 | 289829 | 31.619 | ng | | 98 |
| 62) 4-Nitroaniline | 10.416 | 138 | 128687 | 28.115 | ng | | 98 |
| 63) Azobenzene | 10.563 | 77 | 634488 | 33.284 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylph... | 10.451 | 198 | 11195 | 4.520 | ng | | 83 |
| 66) n-Nitrosodiphenylamine | 10.516 | 169 | 522412 | 37.894 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 173354 | 35.228 | ng | | 97 |
| 68) Hexachlorobenzene | 10.957 | 284 | 184199 | 33.626 | ng | | 99 |
| 69) Atrazine | 11.045 | 200 | 166855 | 44.950 | ng | | 99 |
| 70) Pentachlorophenol | 11.151 | 266 | 80199 | 22.862 | ng | | 97 |
| 71) Phenanthrene | 11.369 | 178 | 928440 | 40.461 | ng | | 99 |
| 72) Anthracene | 11.422 | 178 | 906732 | 40.638 | ng | | 100 |
| 73) Carbazole | 11.575 | 167 | 673943 | 32.941 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 828354 | 35.379 | ng | | 100 |
| 75) Fluoranthene | 12.563 | 202 | 966493 | 42.207 | ng | | 99 |
| 77) Benzidine | 12.680 | 184 | 84383 | 14.811 | ng | # | 94 |
| 78) Pyrene | 12.792 | 202 | 1159012 | 39.496 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 305345 | 31.209 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.980 | 228 | 820834 | 39.257 | ng | | 95 |
| 82) 3,3'-Dichlorobenzidine | 13.945 | 252 | 137413 | 20.639 | ng | | 98 |
| 83) Chrysene | 14.021 | 228 | 795763 | 40.674 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149 | 407859 | 34.743 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.604 | 149 | 663939 | 37.454 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.927 | 276 | 619424 | 32.986 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 15.045 | 252 | 796990 | 48.220 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.068 | 252 | 562619m | 40.280 | ng | | |
| 90) Benzo(a)pyrene | 15.404 | 252 | 714424 | 52.390 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 16.945 | 278 | 422648 | 27.827 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.368 | 276 | 551001 | 34.878 | ng | | 99 |

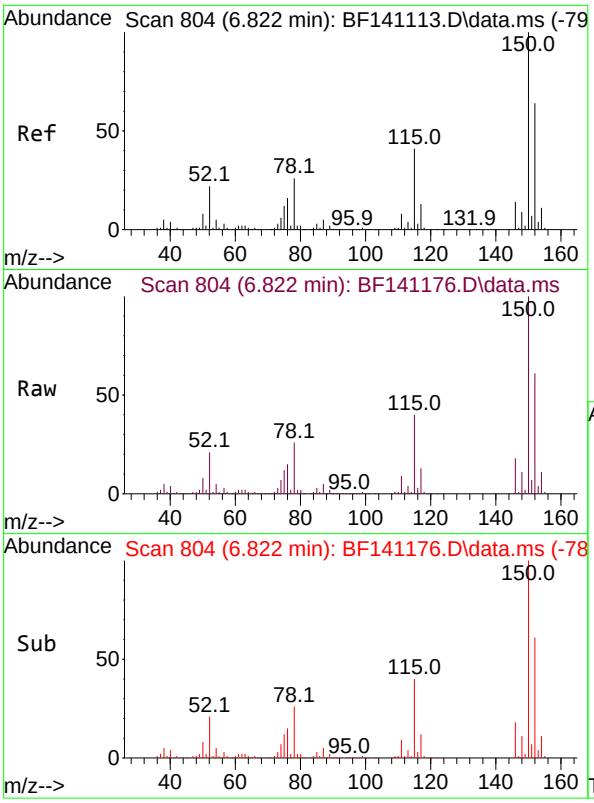
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141176.D
Acq On : 15 Jan 2025 16:40
Operator : RC/JU
Sample : Q1068-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Quant Time: Jan 15 17:10:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



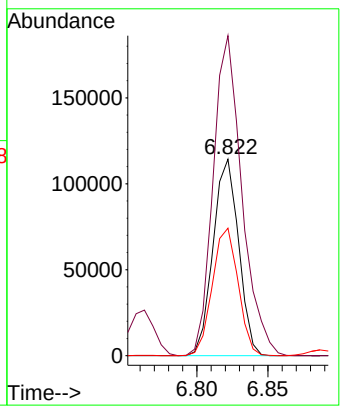


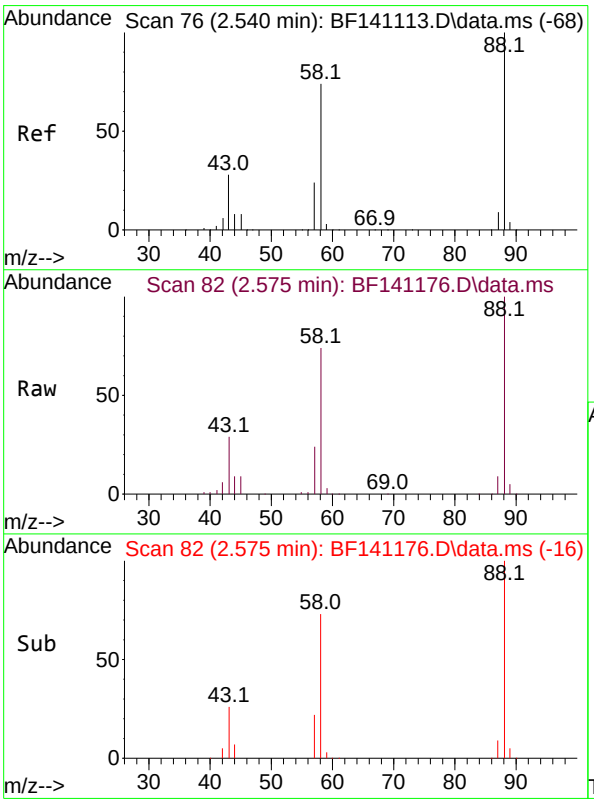

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:152 Resp: 143081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 162.9 | 125.8 | 188.8 |
| 115 | 64.9 | 51.4 | 77.2 |

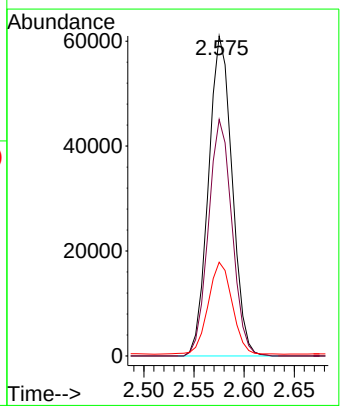


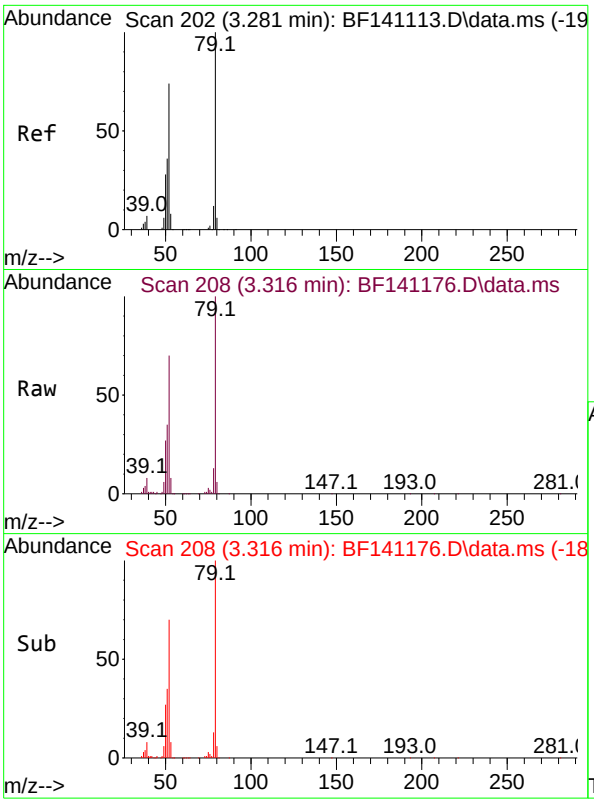




#2
1,4-Dioxane
Concen: 24.221 ng
RT: 2.575 min Scan# 82
Delta R.T. 0.035 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion: 88 Resp: 99902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 73.9 | 60.1 | 90.1 |
| 43 | 29.2 | 23.1 | 34.7 |



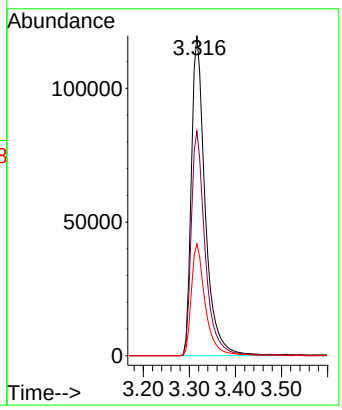


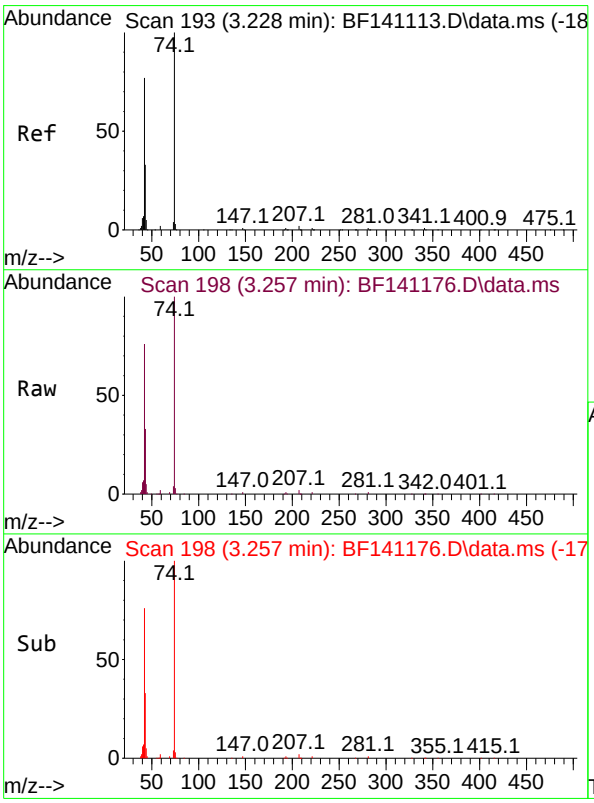

#3
Pyridine
Concen: 24.663 ng
RT: 3.316 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion: 79 Resp: 249451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 70.2 | 58.9 | 88.3 |
| 51 | 35.0 | 29.1 | 43.7 |

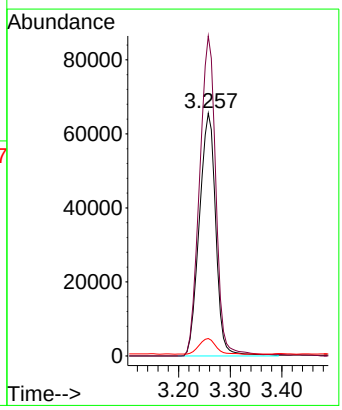


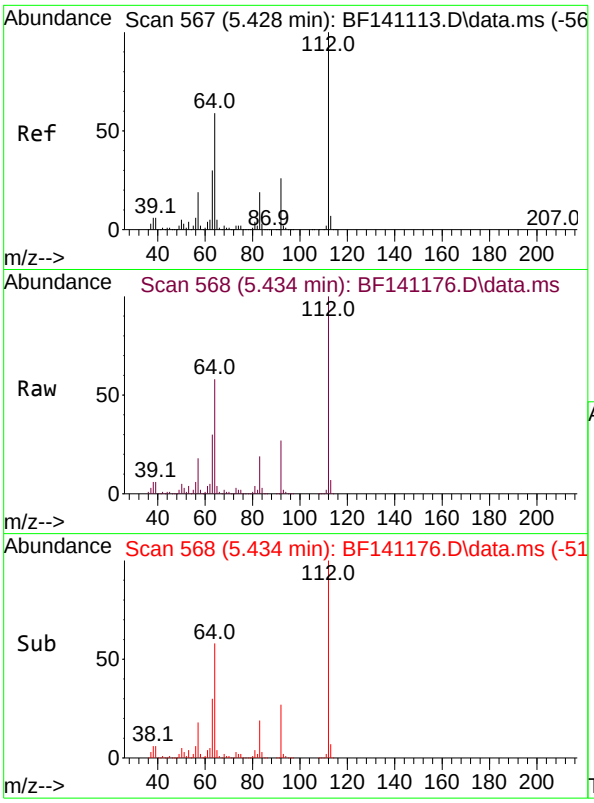




#4
n-Nitrosodimethylamine
Concen: 29.295 ng
RT: 3.257 min Scan# 198
Delta R.T. 0.029 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion: 42 Resp: 144877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 131.8 | 103.8 | 155.6 |
| 44 | 7.2 | 5.3 | 7.9 |



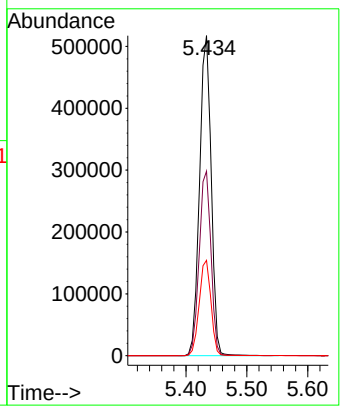


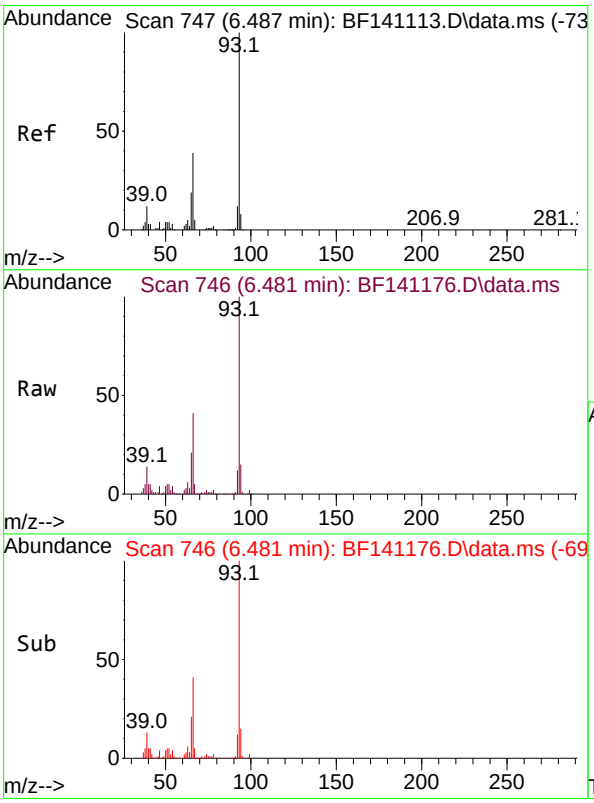

#5
2-Fluorophenol
Concen: 74.180 ng
RT: 5.434 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:112 Resp: 687064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.6 | 47.3 | 70.9 |
| 63 | 29.8 | 24.2 | 36.2 |

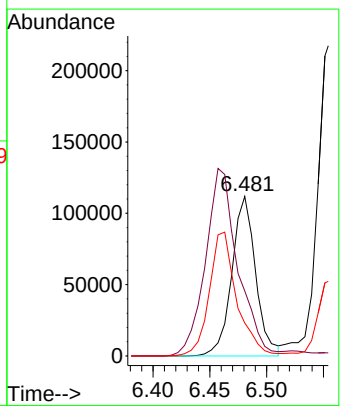


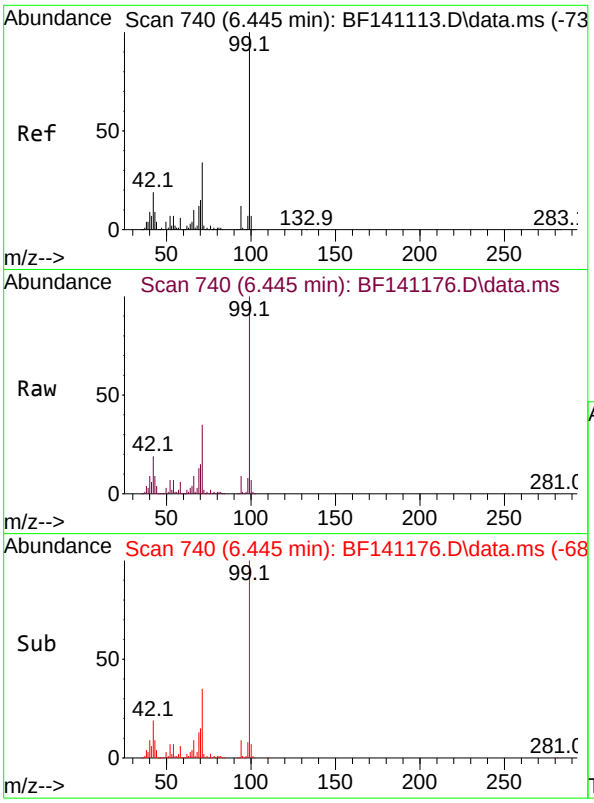




#6
Aniline
Concen: 15.670 ng
RT: 6.481 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion: 93 Resp: 163222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.7 | 31.5 | 47.3 |
| 65 | 20.7 | 15.3 | 22.9 |



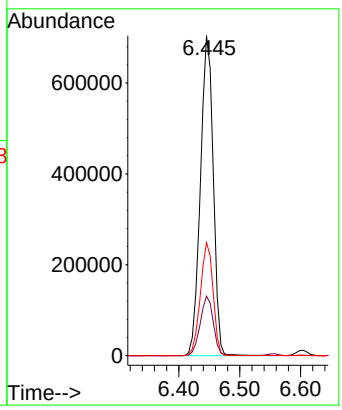


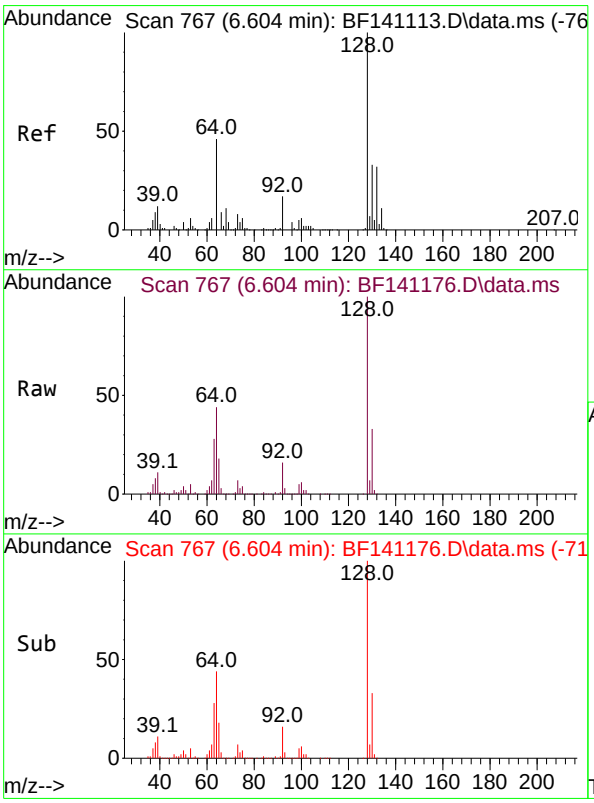

#7
Phenol-d6
Concen: 88.232 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion: 99 Resp: 1035177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.6 | 15.0 | 22.4 |
| 71 | 35.4 | 27.6 | 41.4 |

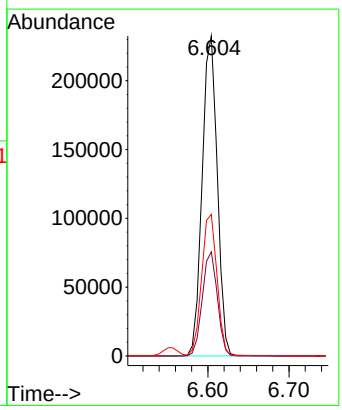


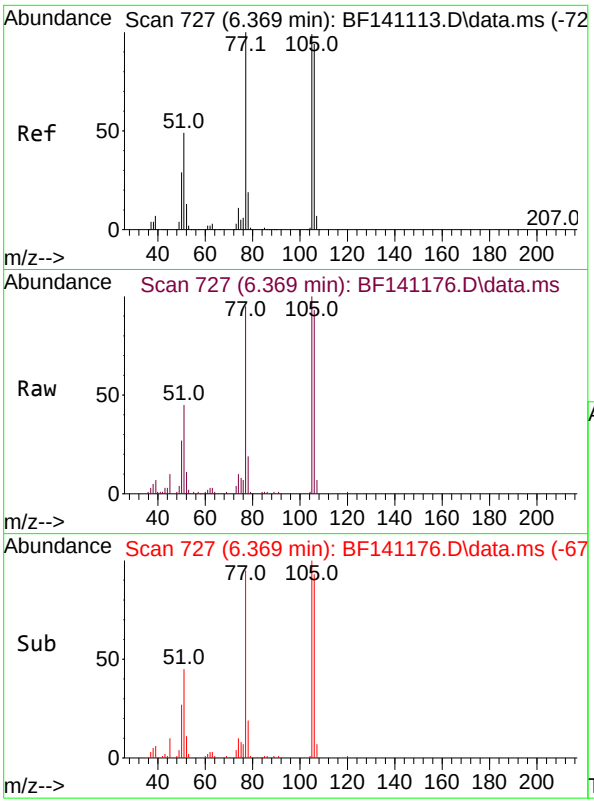




#8
2-Chlorophenol
Concen: 30.222 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:128 Resp: 300320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.6 | 12.5 | 52.5 |
| 64 | 44.2 | 28.3 | 68.3 |



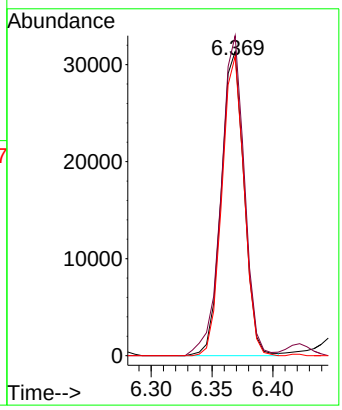


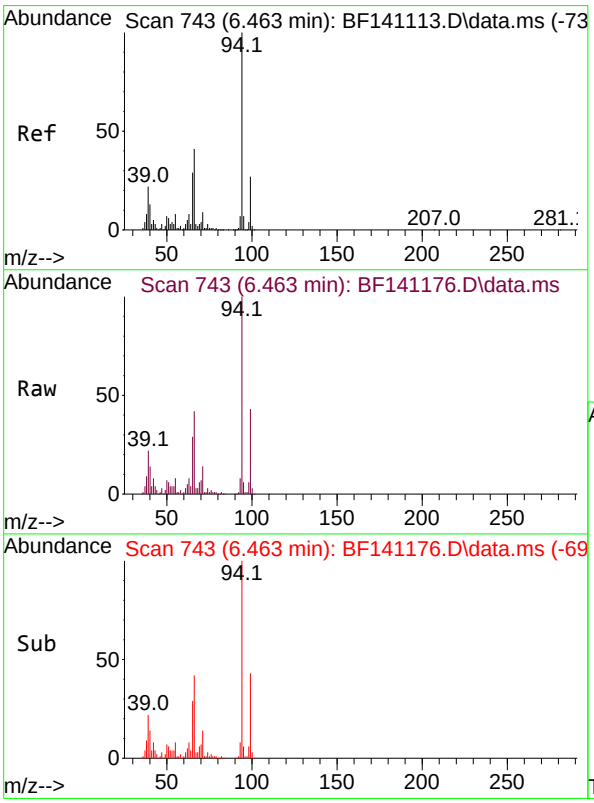

#9
Benzaldehyde
Concen: 5.901 ng
RT: 6.369 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion: 77 Resp: 40776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 105.2 | 78.9 | 118.9 |
| 106 | 98.4 | 73.6 | 113.6 |

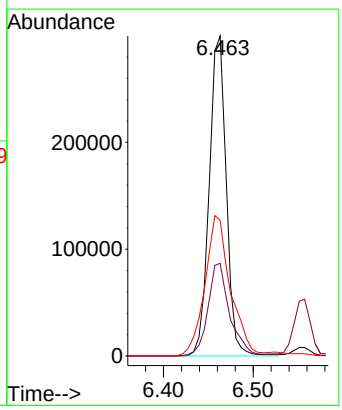


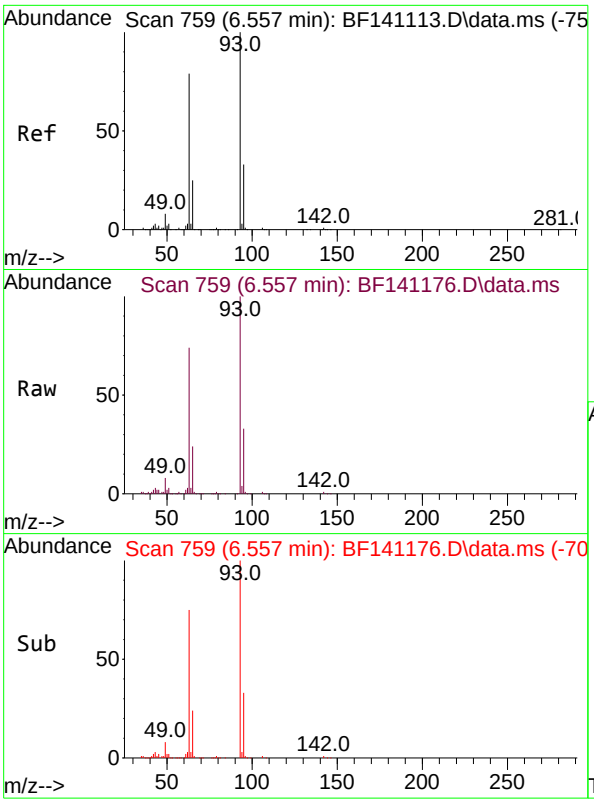




#10
Phenol
Concen: 31.570 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion: 94 Resp: 396493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.0 | 8.9 | 48.9 |
| 66 | 42.4 | 21.2 | 61.2 |



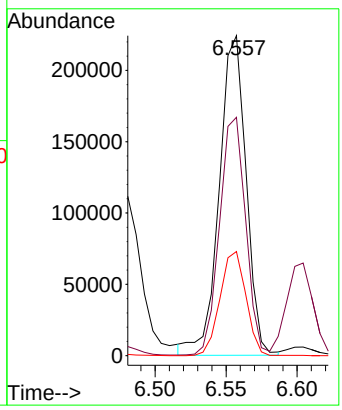


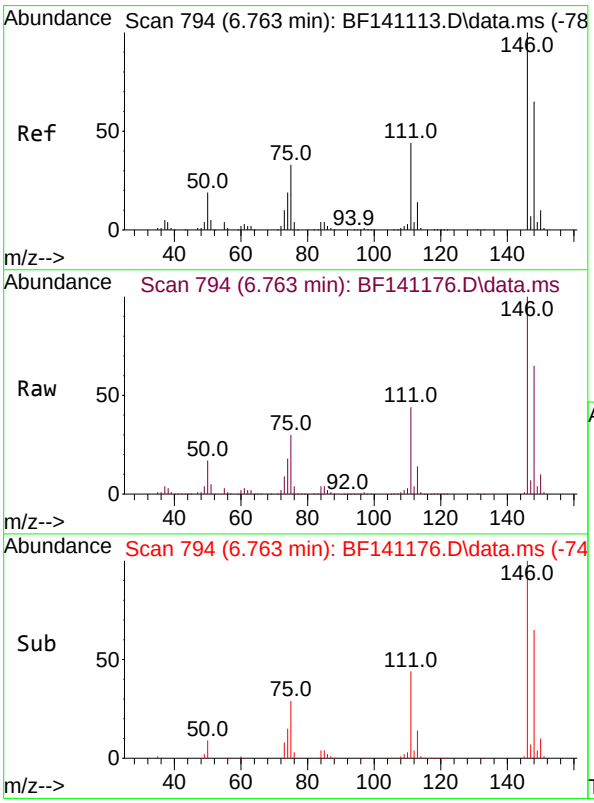

#11
bis(2-Chloroethyl)ether
Concen: 31.577 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion: 93 Resp: 295551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 74.5 | 58.0 | 98.0 |
| 95 | 32.5 | 12.5 | 52.5 |

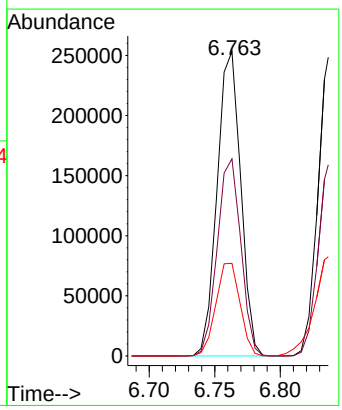


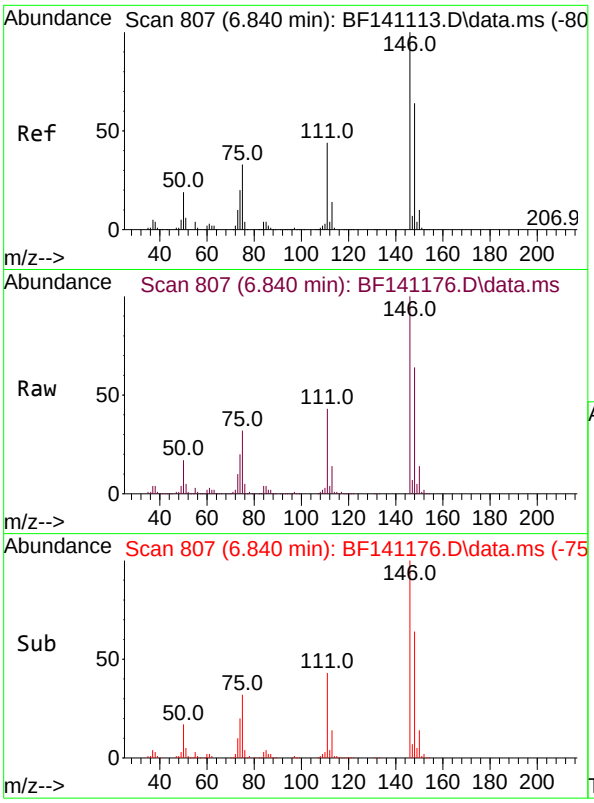




#12
1,3-Dichlorobenzene
Concen: 28.555 ng
RT: 6.763 min Scan# 794
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:146 Resp: 316476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 51.6 | 77.4 |
| 75 | 30.4 | 26.2 | 39.2 |



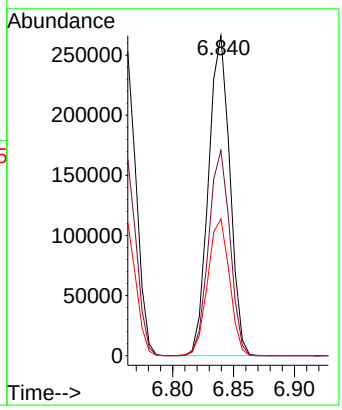


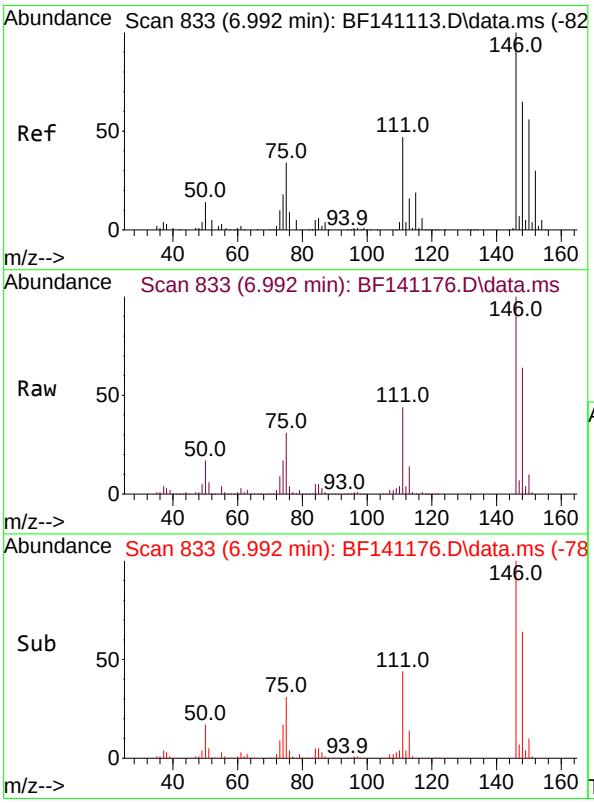

#13
1,4-Dichlorobenzene
Concen: 28.999 ng
RT: 6.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:146 Resp: 323869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.0 | 76.6 |
| 111 | 42.8 | 34.9 | 52.3 |

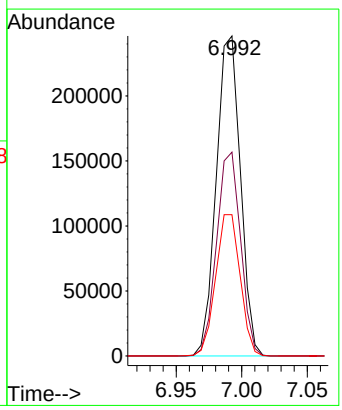


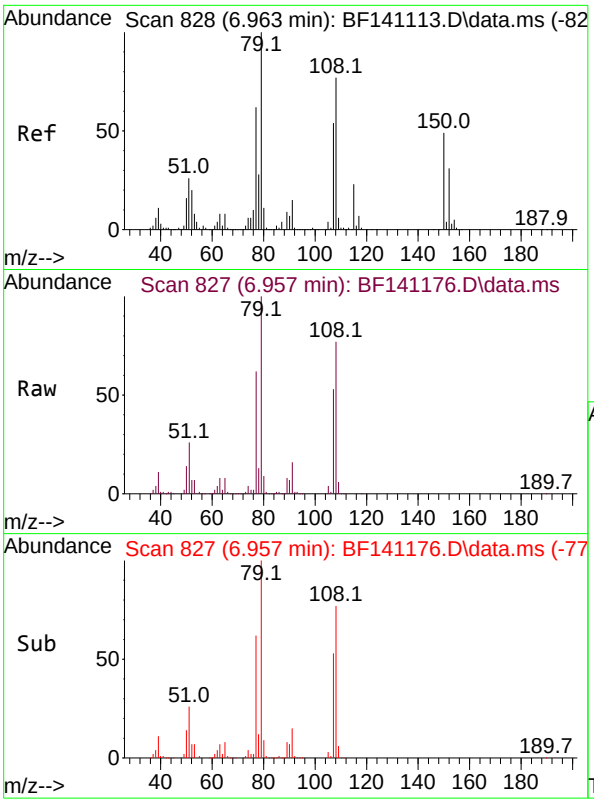




#14
1,2-Dichlorobenzene
Concen: 30.265 ng
RT: 6.992 min Scan# 833
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:146 Resp: 315295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 52.2 | 78.4 |
| 111 | 44.1 | 37.5 | 56.3 |



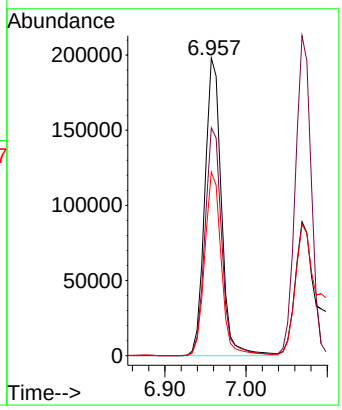


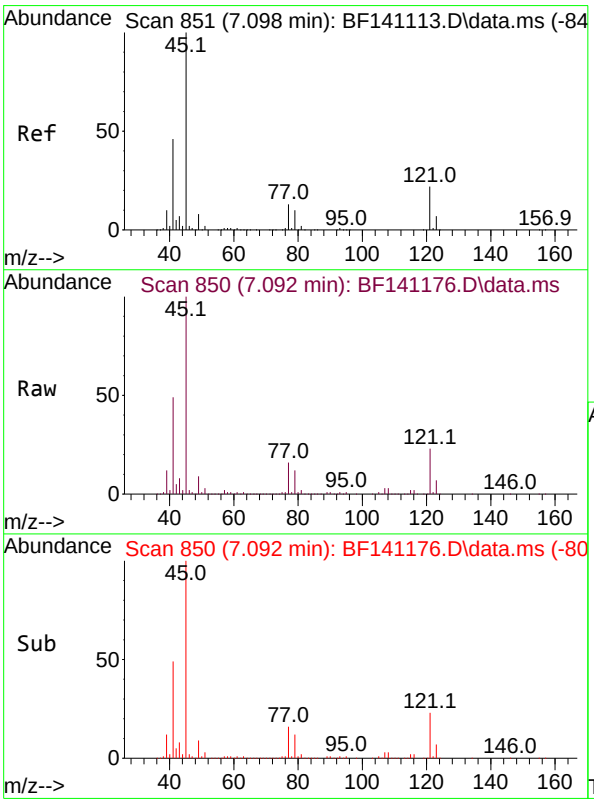

#15
Benzyl Alcohol
Concen: 33.086 ng
RT: 6.957 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion: 79 Resp: 280336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.5 | 61.4 | 92.0 |
| 77 | 61.7 | 49.8 | 74.6 |

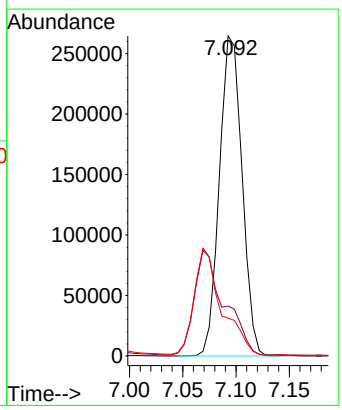


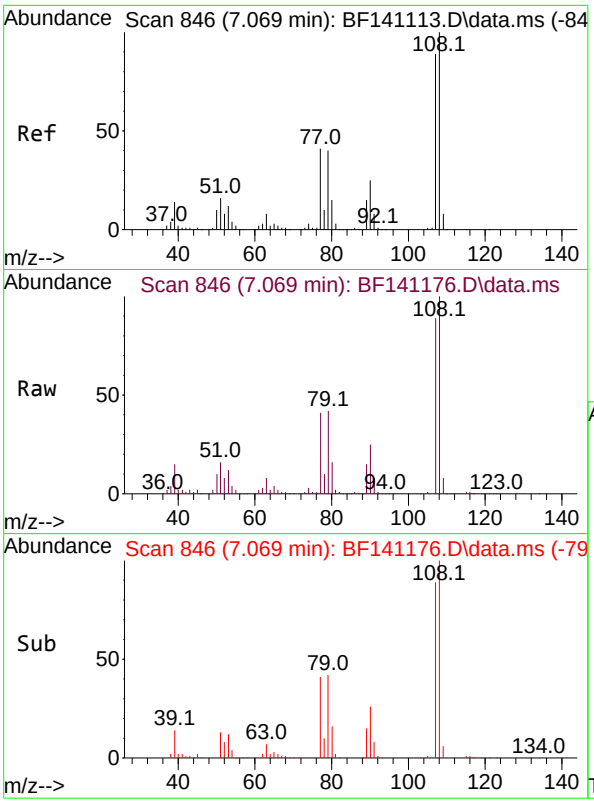




#16
2,2'-oxybis(1-Chloropropane)
Concen: 29.918 ng
RT: 7.092 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion: 45 Resp: 390750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 15.6 | 0.0 | 34.1 |
| 79 | 11.8 | 0.0 | 31.0 |



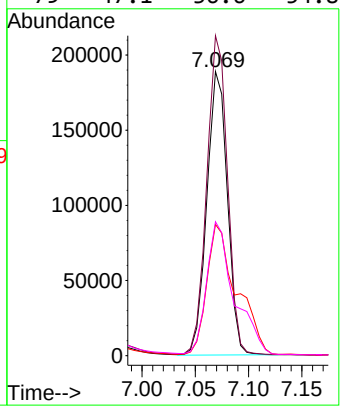


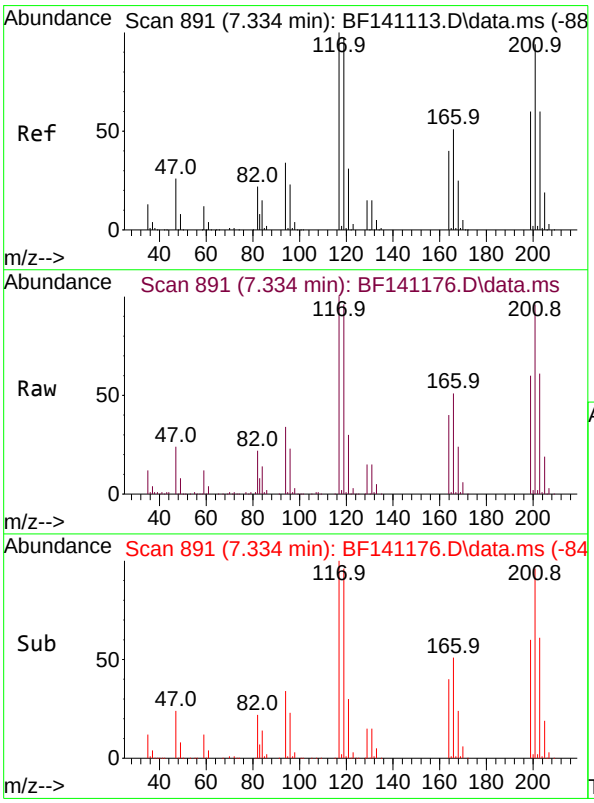

#17
2-Methylphenol
Concen: 31.569 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:107 Resp: 253262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.6 | 90.1 | 135.1 |
| 77 | 46.2 | 36.6 | 55.0 |
| 79 | 47.1 | 36.6 | 54.8 |

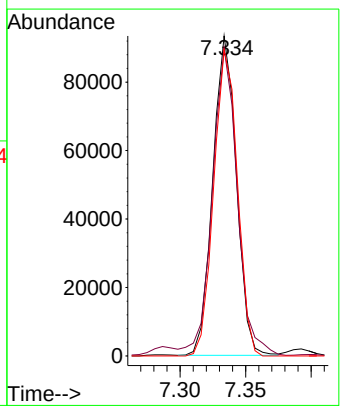


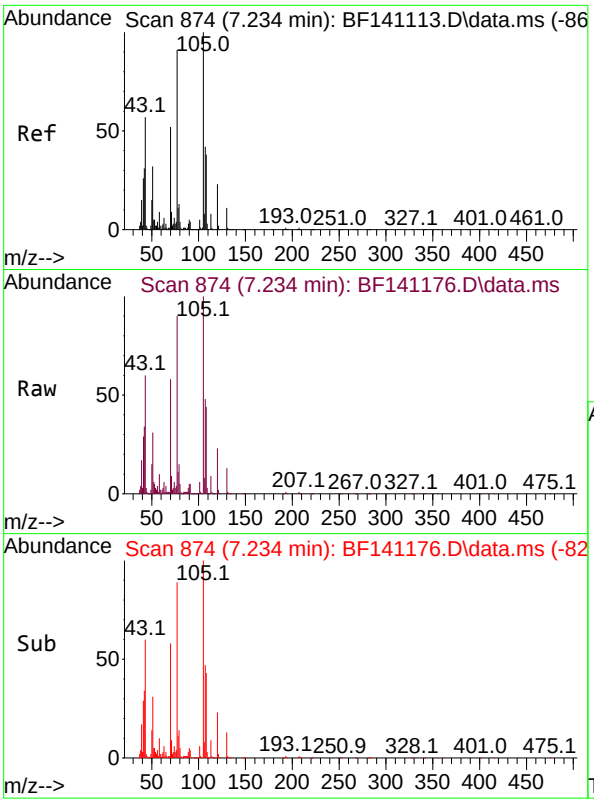




#18
Hexachloroethane
Concen: 28.846 ng
RT: 7.334 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:117 Resp: 116502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.2 | 77.6 | 116.4 |
| 201 | 95.7 | 75.1 | 112.7 |



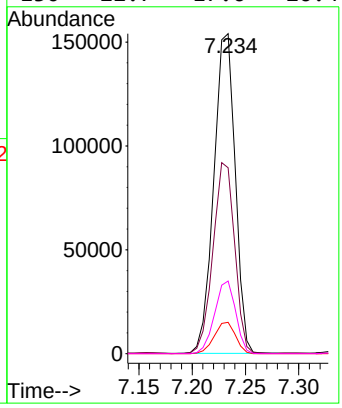


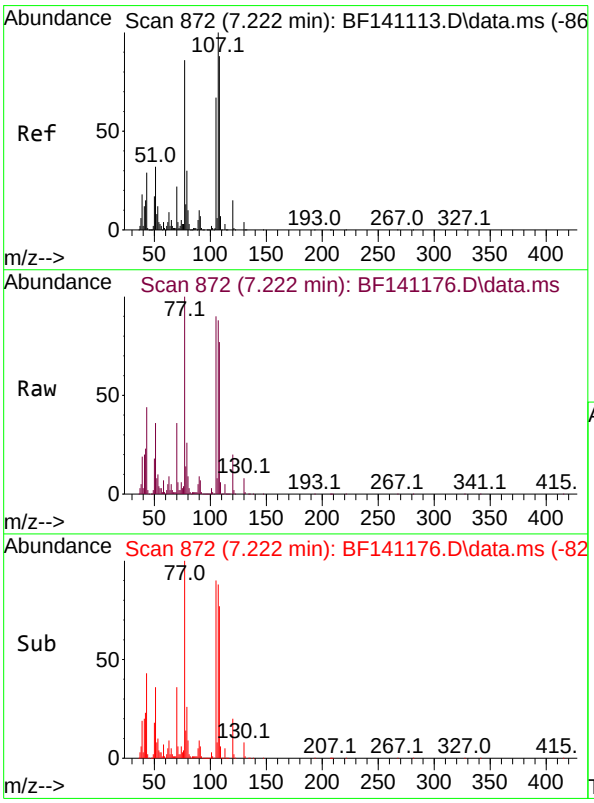

#19
n-Nitroso-di-n-propylamine
Concen: 31.050 ng
RT: 7.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion: 70 Resp: 214591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 58.1 | 47.8 | 71.6 |
| 101 | 9.8 | 7.9 | 11.9 |
| 130 | 22.7 | 17.6 | 26.4 |

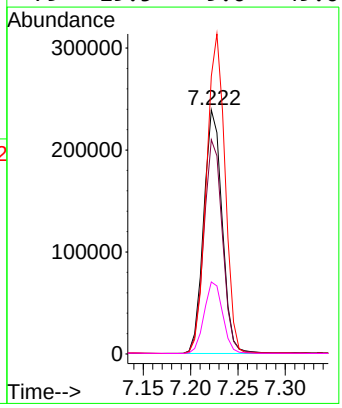


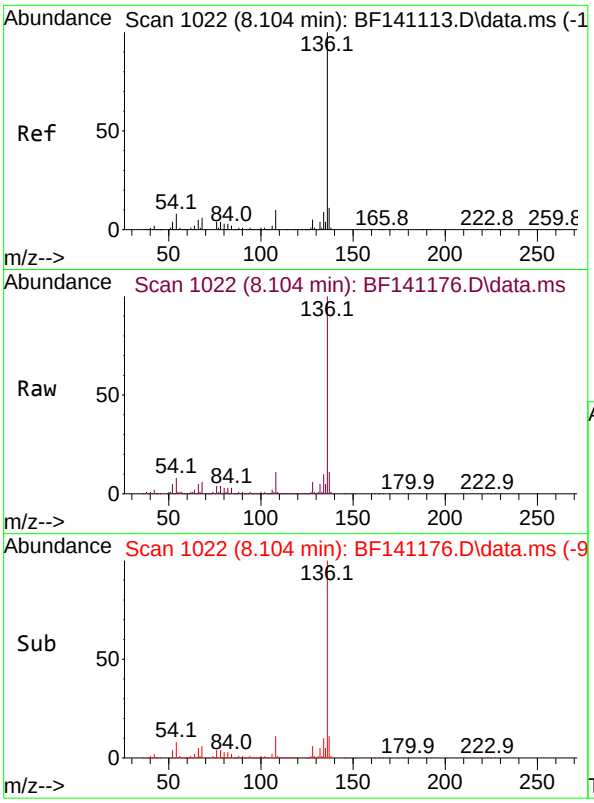




#20
3+4-Methylphenols
Concen: 32.030 ng
RT: 7.222 min Scan# 872
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:107 Resp: 324187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 87.8 | 68.3 | 108.3 |
| 77 | 113.8 | 66.4 | 106.4# |
| 79 | 29.5 | 9.6 | 49.6 |



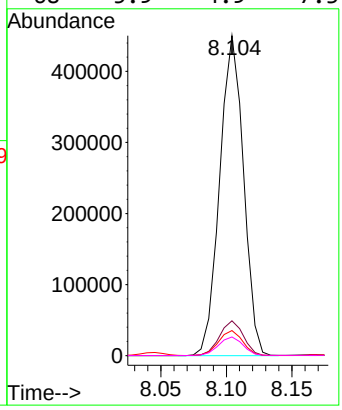


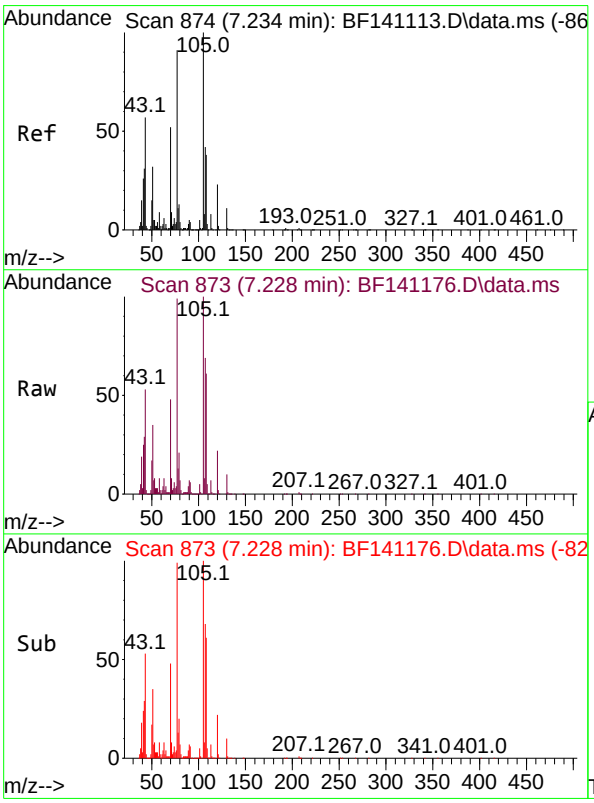

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:136 Resp: 569188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 7.9 | 6.3 | 9.5 |
| 68 | 5.9 | 4.9 | 7.3 |

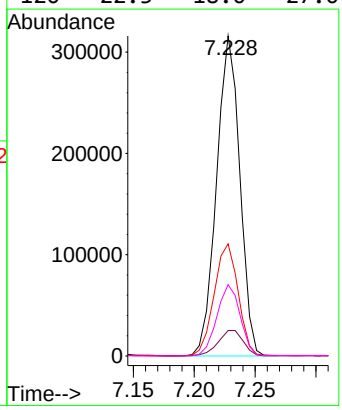


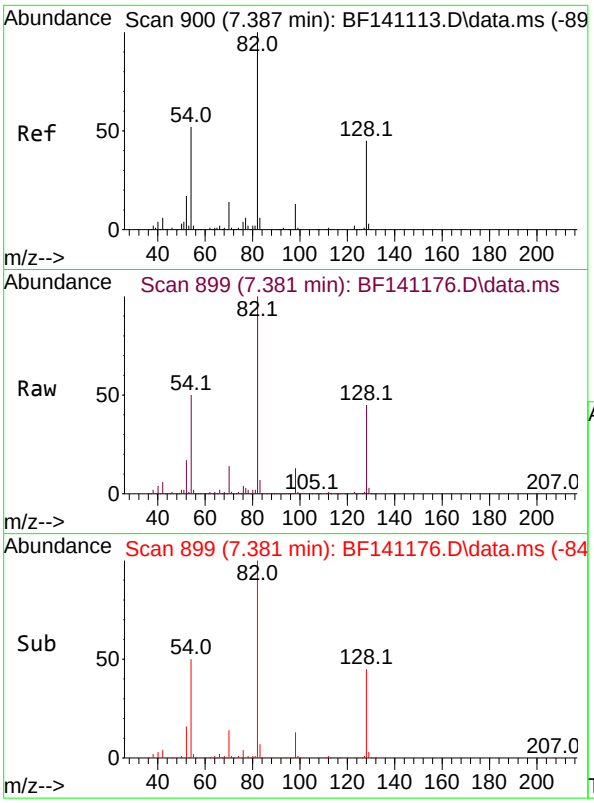




#22
Acetophenone
Concen: 31.075 ng
RT: 7.228 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:105 Resp: 420478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.9 | 7.1 | 10.7 |
| 51 | 35.1 | 25.4 | 38.2 |
| 120 | 22.3 | 18.0 | 27.0 |



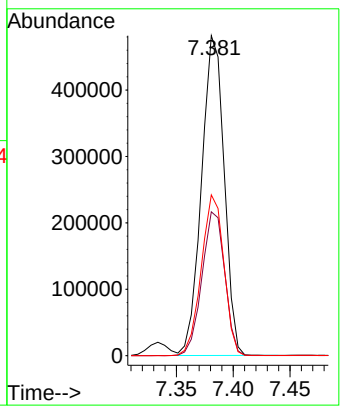


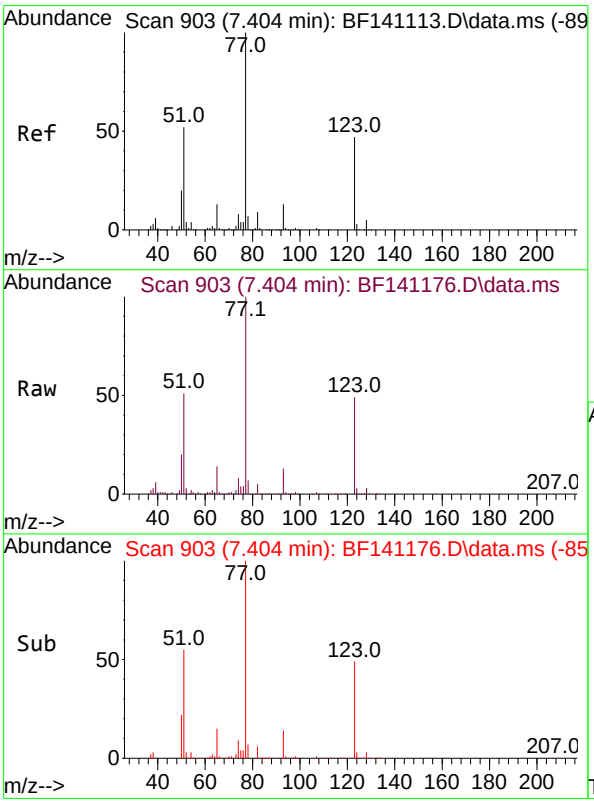

#23
Nitrobenzene-d5
Concen: 62.104 ng
RT: 7.381 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion: 82 Resp: 666857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.0 | 36.1 | 54.1 |
| 54 | 50.2 | 41.0 | 61.4 |

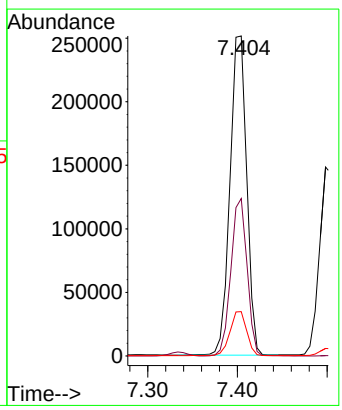


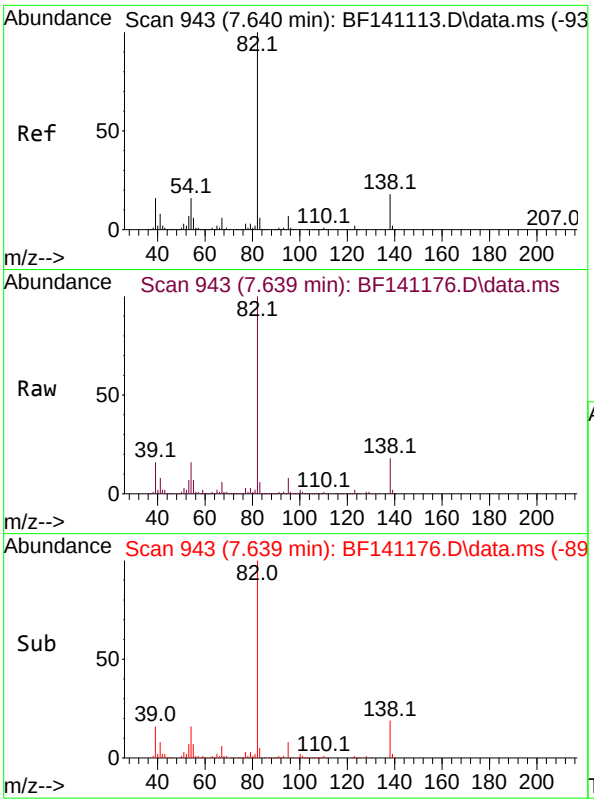




#24
Nitrobenzene
Concen: 29.097 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion: 77 Resp: 325628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 49.2 | 37.7 | 56.5 |
| 65 | 13.8 | 10.6 | 16.0 |



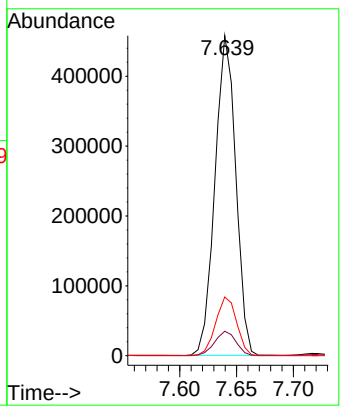


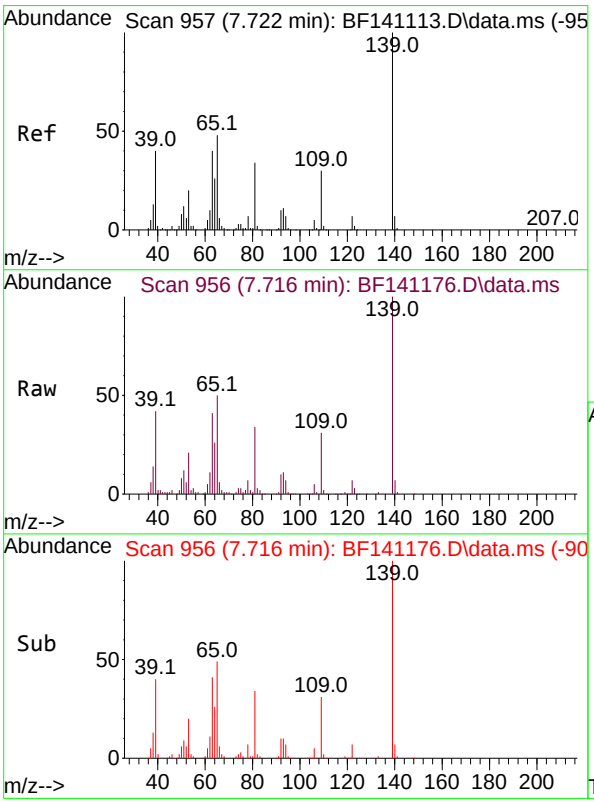

#25
Isophorone
Concen: 31.812 ng
RT: 7.639 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion: 82 Resp: 583759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.7 | 5.9 | 8.9 |
| 138 | 18.4 | 14.2 | 21.2 |

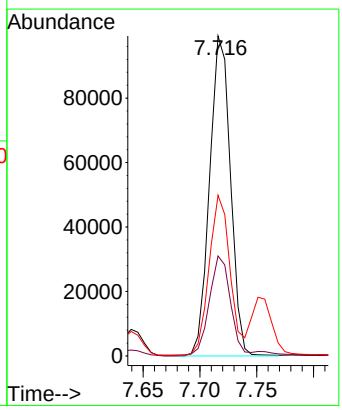


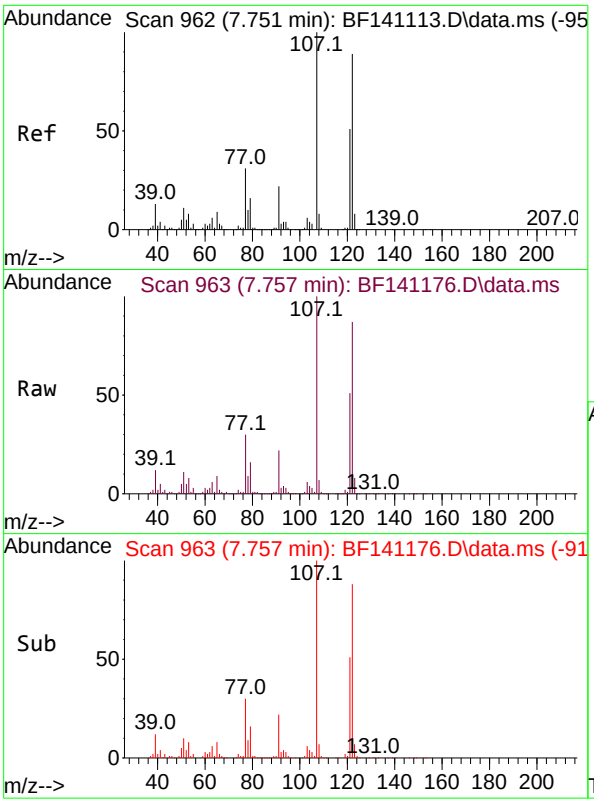




#26
2-Nitrophenol
Concen: 24.949 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:139 Resp: 127008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.2 | 23.8 | 35.6 |
| 65 | 50.2 | 38.5 | 57.7 |



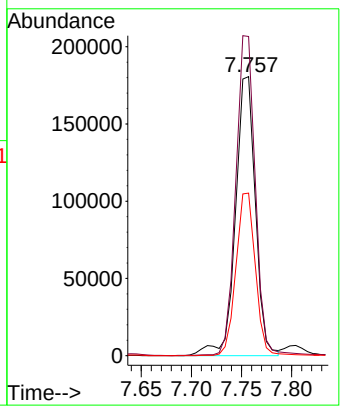


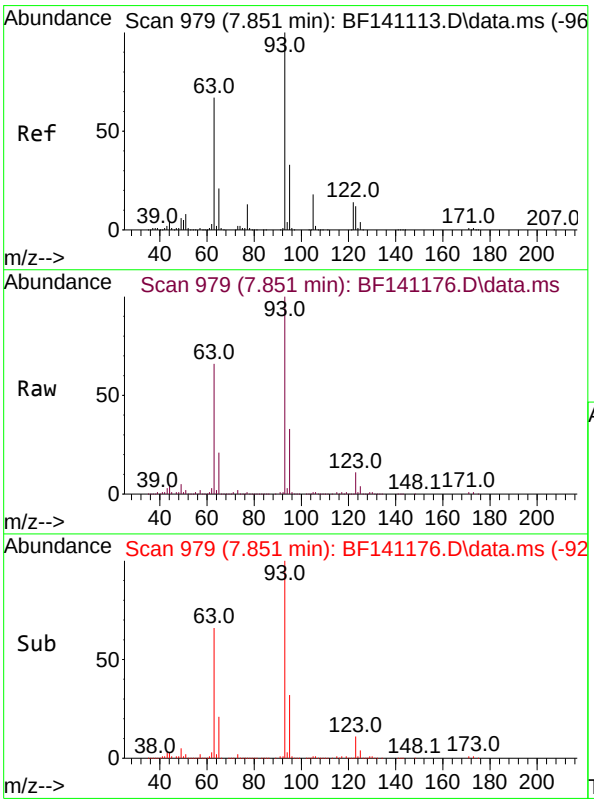

#27
2,4-Dimethylphenol
Concen: 36.528 ng
RT: 7.757 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:122 Resp: 250815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.4 | 90.3 | 135.5 |
| 121 | 58.2 | 46.5 | 69.7 |

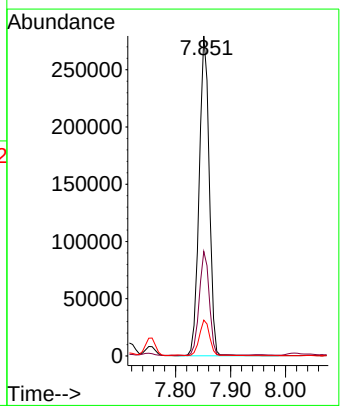


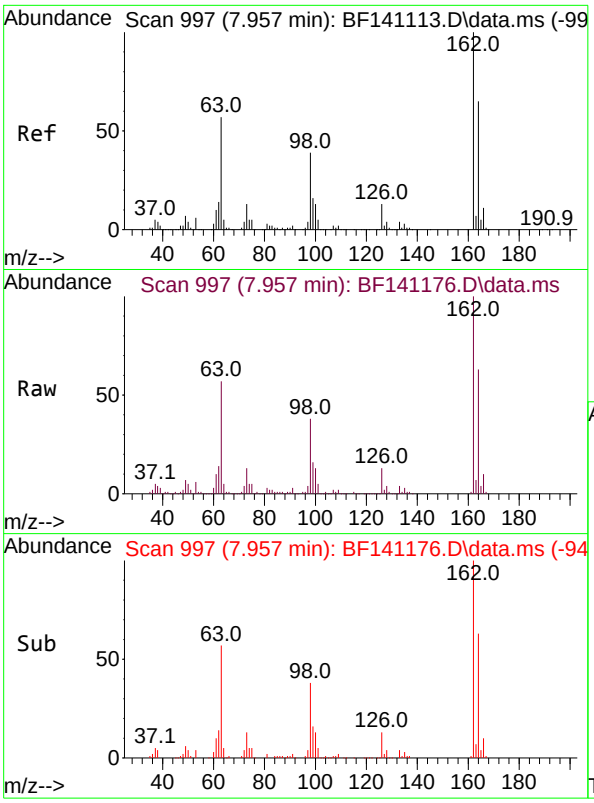




#28
bis(2-Chloroethoxy)methane
Concen: 30.949 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion: 93 Resp: 356419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.7 | 26.2 | 39.4 |
| 123 | 11.2 | 10.1 | 15.1 |



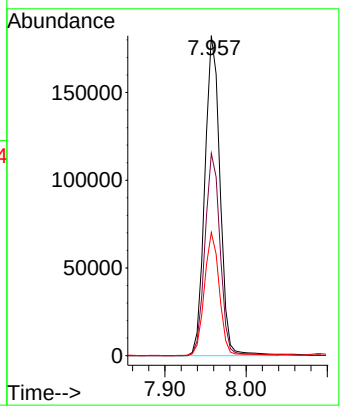


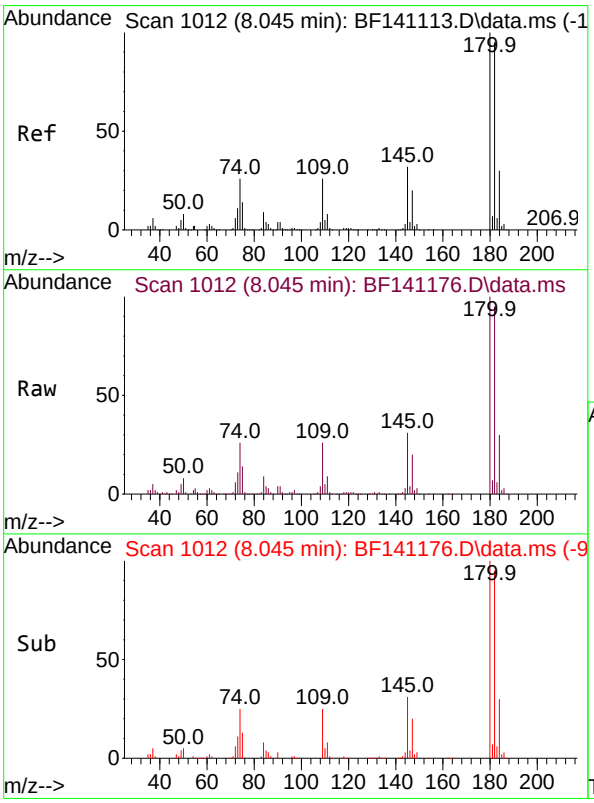

#29
2,4-Dichlorophenol
Concen: 29.043 ng
RT: 7.957 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:162 Resp: 236851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.2 | 44.5 | 84.5 |
| 98 | 38.5 | 18.5 | 58.5 |

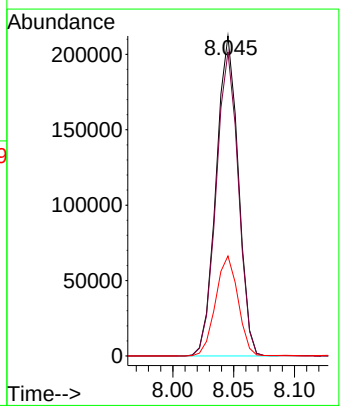


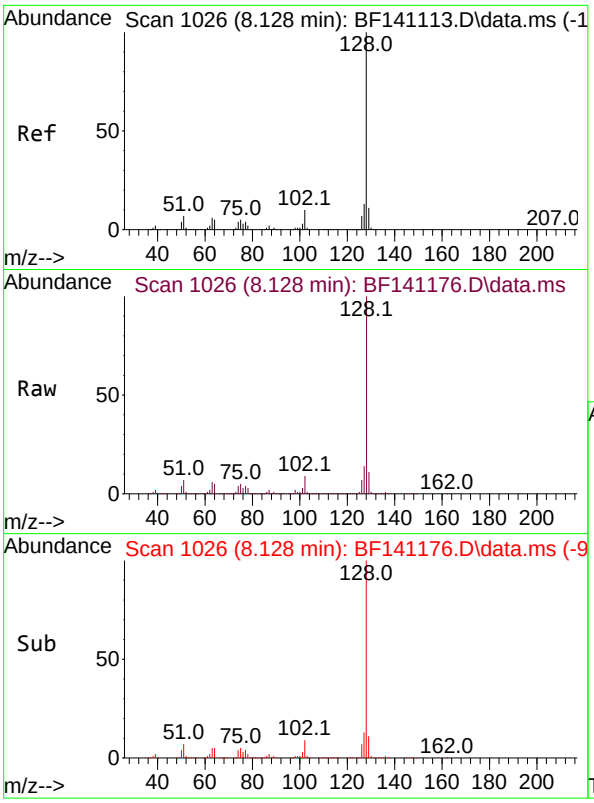




#30
1,2,4-Trichlorobenzene
Concen: 28.843 ng
RT: 8.045 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:180 Resp: 268865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.0 | 76.2 | 114.2 |
| 145 | 31.3 | 25.3 | 37.9 |



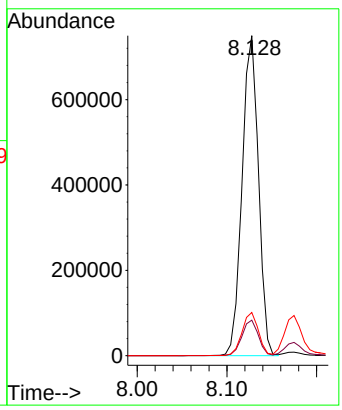


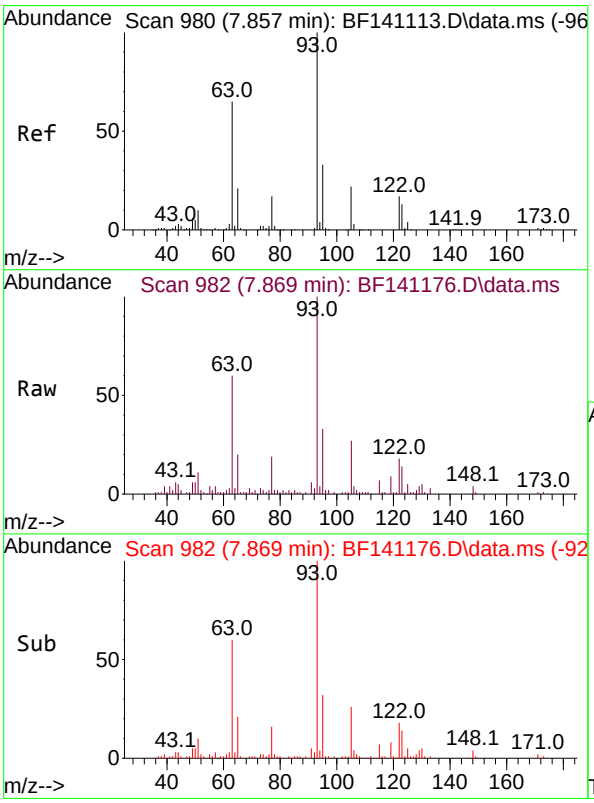

#31
Naphthalene
Concen: 31.607 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:128 Resp: 948739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 9.0 | 13.6 |
| 127 | 13.5 | 10.8 | 16.2 |

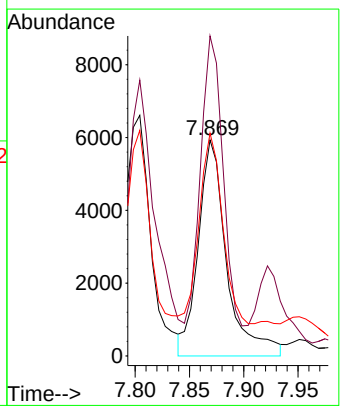


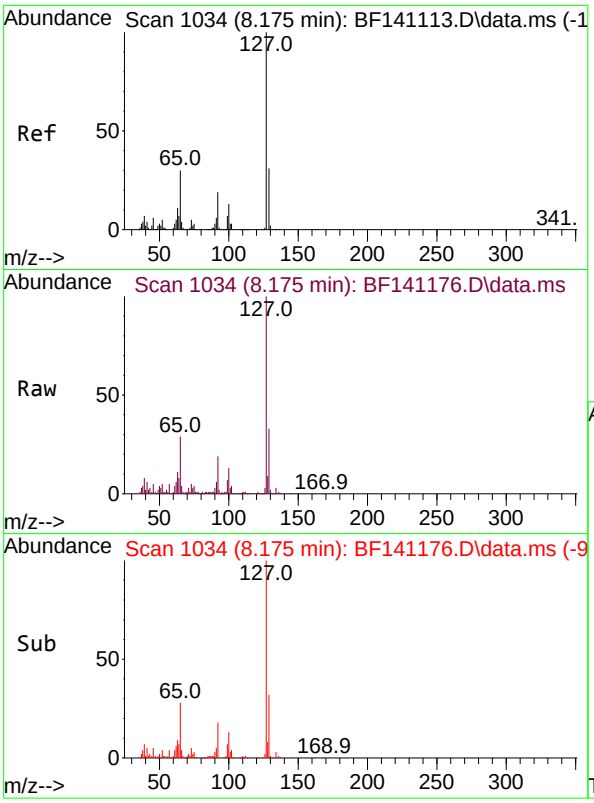




#32
Benzoic acid
Concen: 1.639 ng m
RT: 7.869 min Scan# 982
Delta R.T. 0.012 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:122 Resp: 10799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 148.2 | 105.5 | 145.5# |
| 77 | 103.2 | 75.1 | 115.1 |



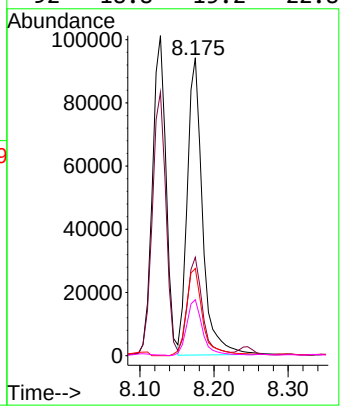


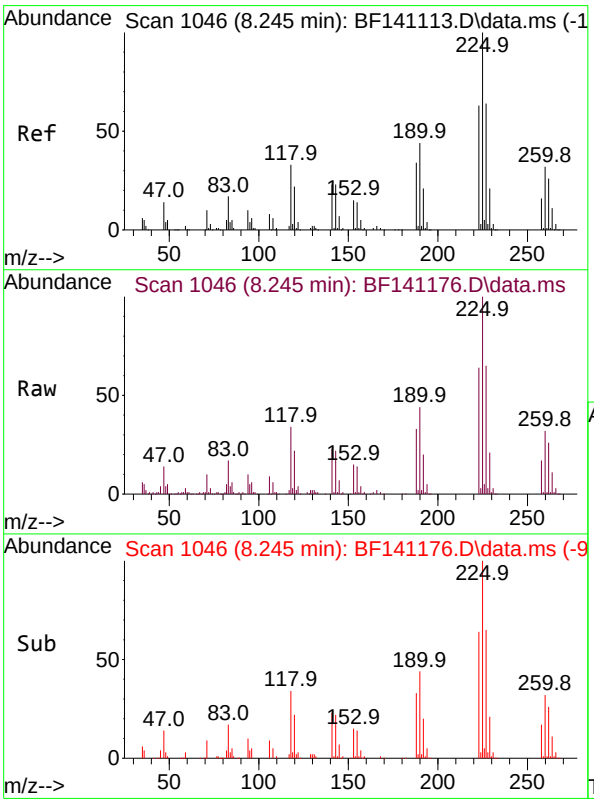

#33
4-Chloroaniline
Concen: 12.958 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:127 Resp: 134518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 33.0 | 25.9 | 38.9 |
| 65 | 29.3 | 23.8 | 35.8 |
| 92 | 18.8 | 15.2 | 22.8 |

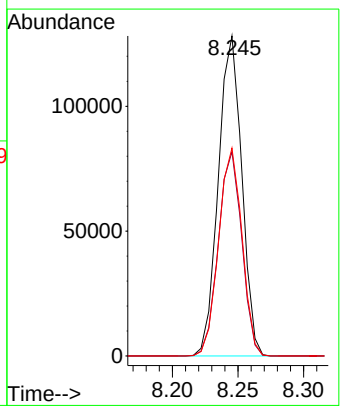


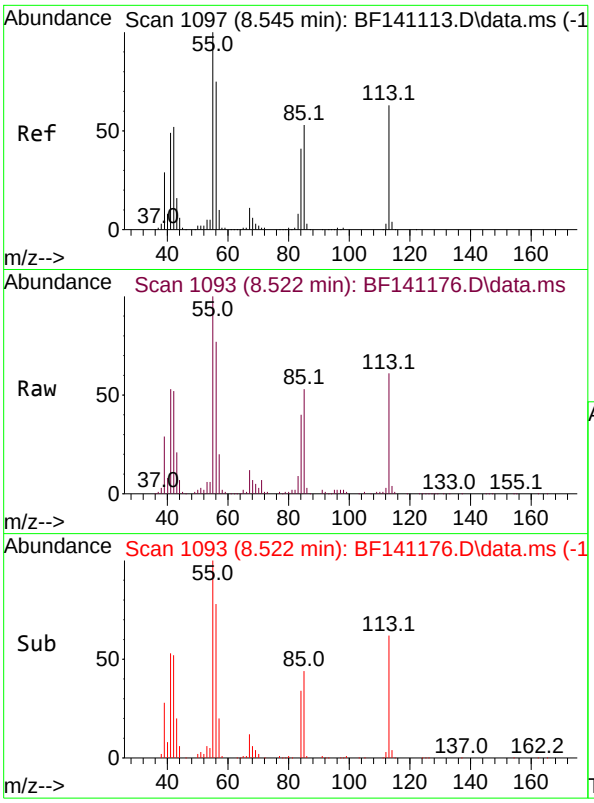




#34
Hexachlorobutadiene
Concen: 28.334 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:225 Resp: 159147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.8 | 50.6 | 76.0 |
| 227 | 65.0 | 51.6 | 77.4 |



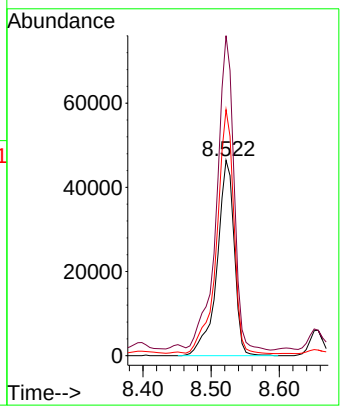


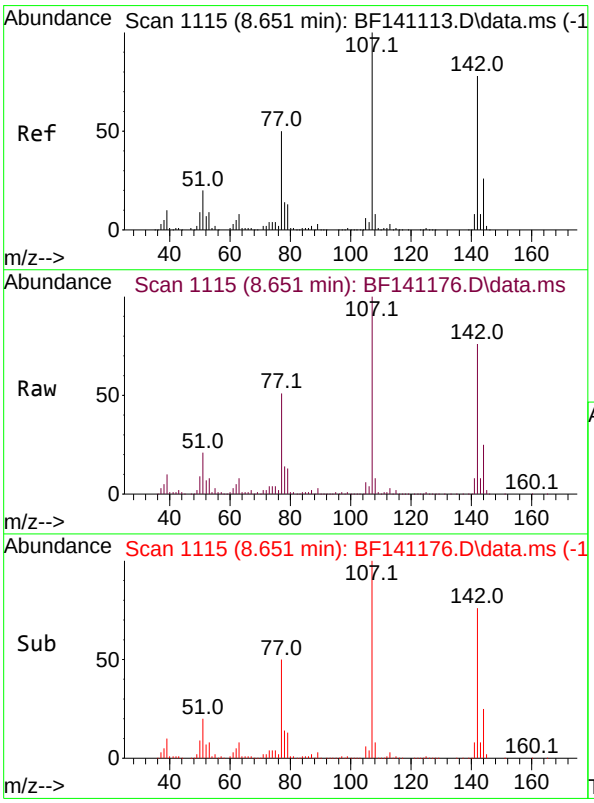

#35
Caprolactam
Concen: 30.523 ng
RT: 8.522 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:113 Resp: 81493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 163.8 | 139.7 | 179.7 |
| 56 | 126.0 | 99.4 | 139.4 |

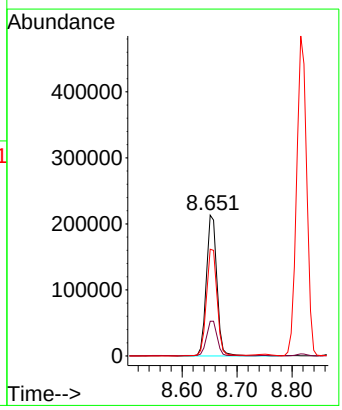


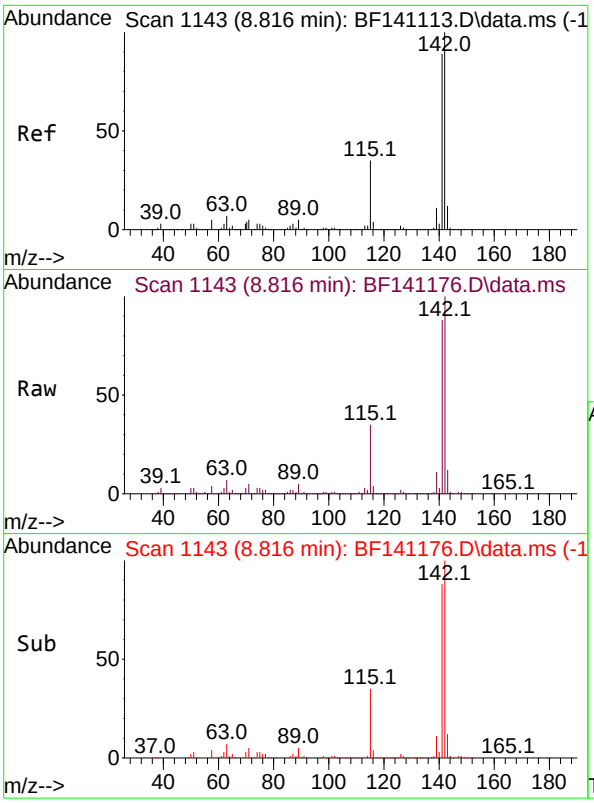




#36
4-Chloro-3-methylphenol
Concen: 31.937 ng
RT: 8.651 min Scan# 1115
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:107 Resp: 284843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.7 | 20.4 | 30.6 |
| 142 | 75.9 | 62.2 | 93.2 |



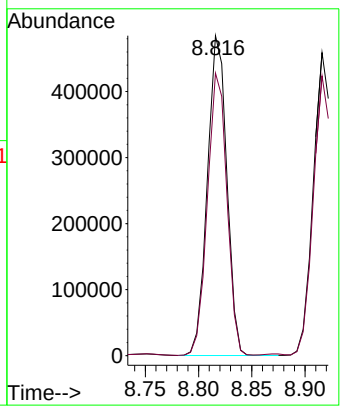


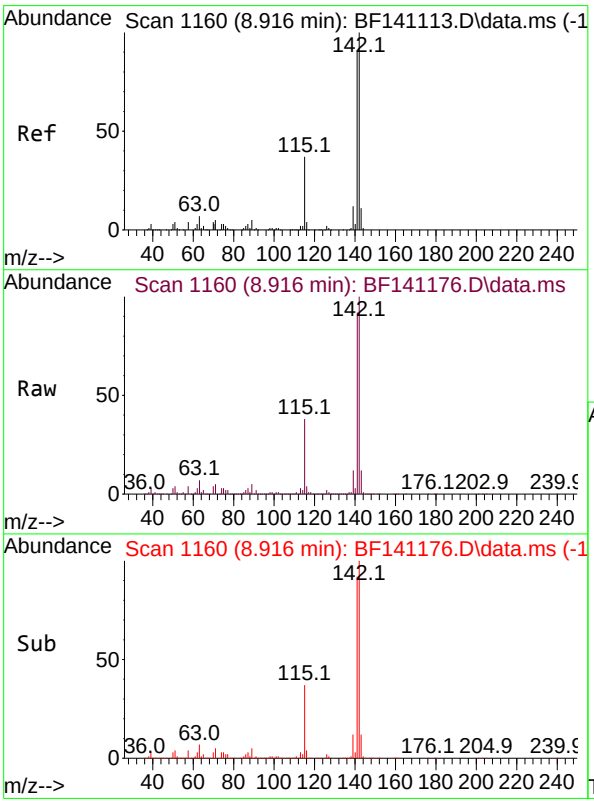

#37
2-Methylnaphthalene
Concen: 32.151 ng
RT: 8.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:142 Resp: 614978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.3 | 71.3 | 106.9 |

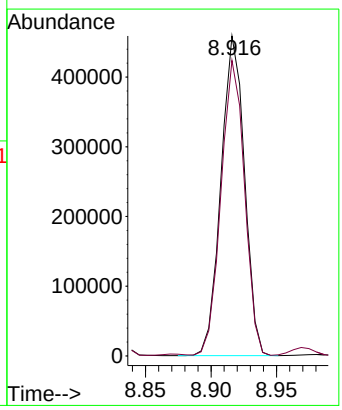


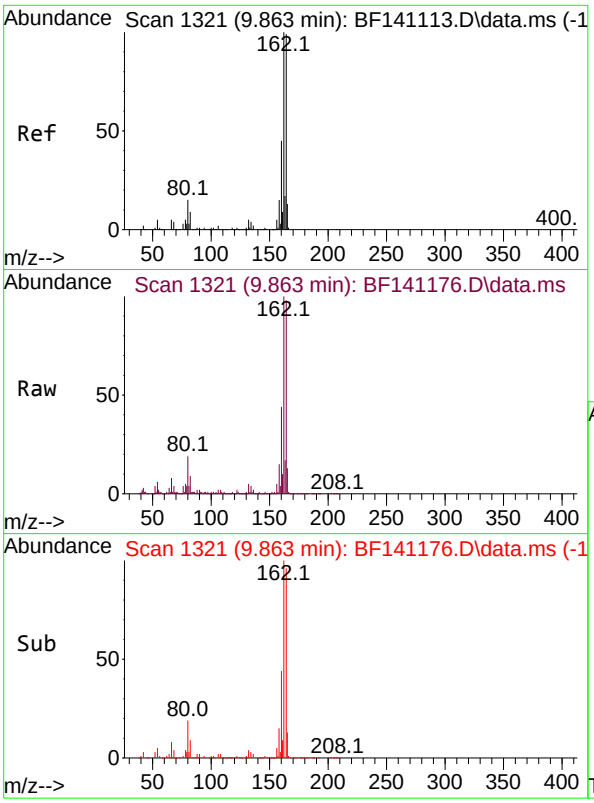




#38
1-Methylnaphthalene
Concen: 30.321 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:142 Resp: 571584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.3 | 73.1 | 109.7 |



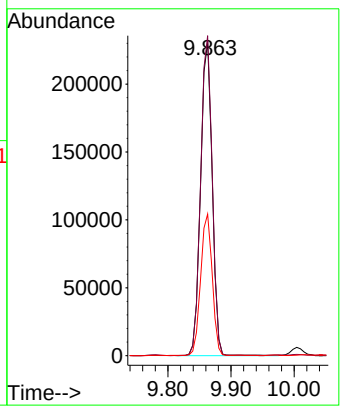


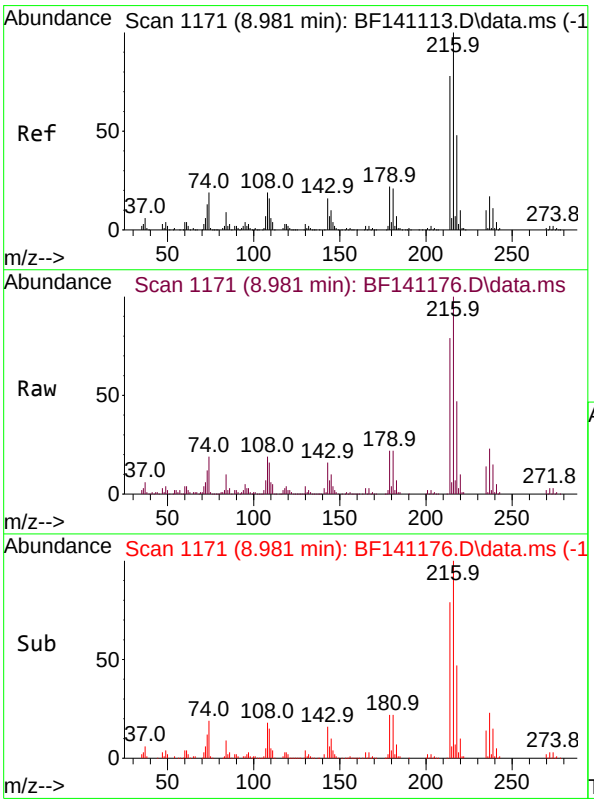

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:164 Resp: 294771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.9 | 81.0 | 121.4 |
| 160 | 45.1 | 36.1 | 54.1 |

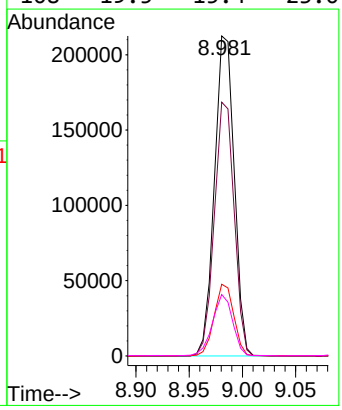


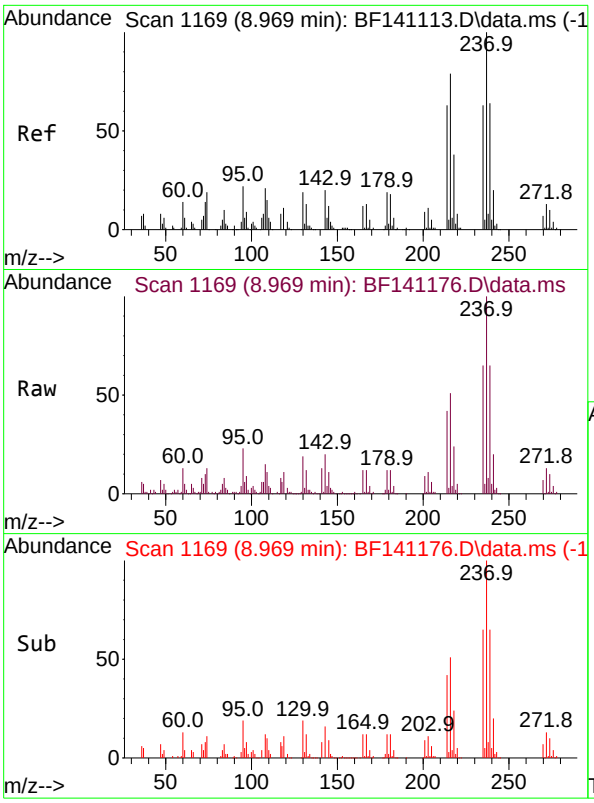




#40
1,2,4,5-Tetrachlorobenzene
Concen: 32.449 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:216 Resp: 274538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.3 | 62.6 | 94.0 |
| 179 | 22.0 | 17.7 | 26.5 |
| 108 | 19.5 | 15.4 | 23.0 |



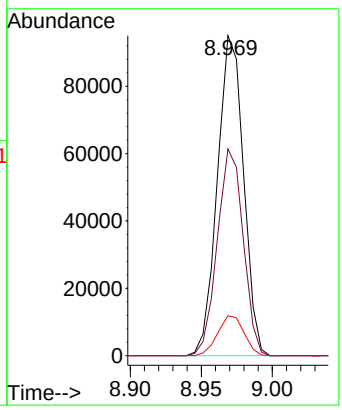


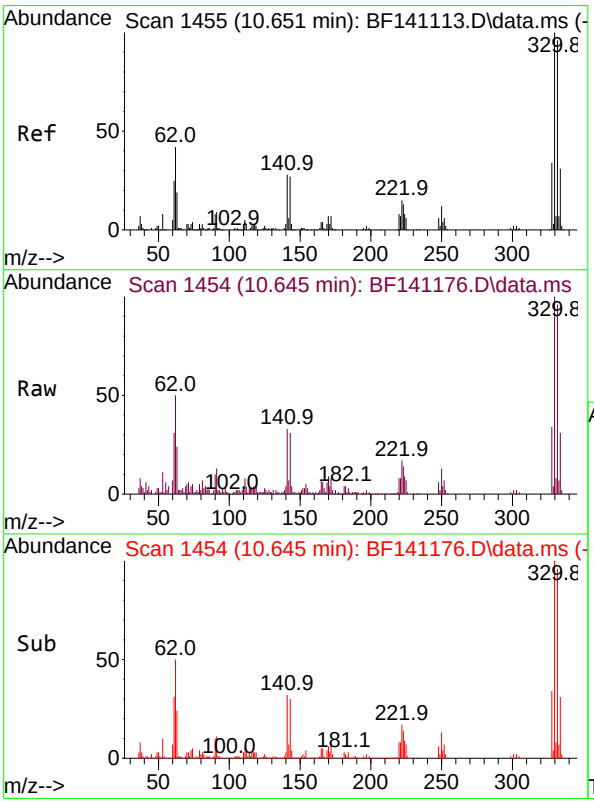

#41
Hexachlorocyclopentadiene
Concen: 43.925 ng
RT: 8.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:237 Resp: 121583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 64.6 | 43.0 | 83.0 |
| 272 | 12.5 | 0.0 | 33.0 |

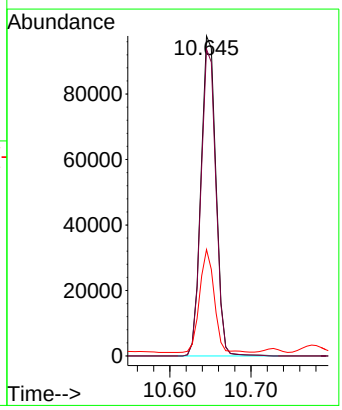


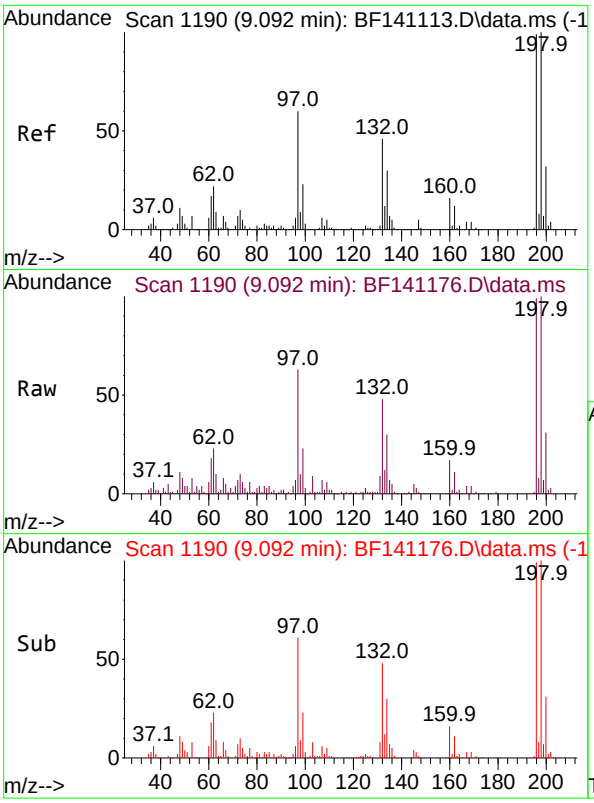




#42
2,4,6-Tribromophenol
Concen: 37.124 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:330 Resp: 124689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.8 | 76.9 | 115.3 |
| 141 | 31.3 | 25.2 | 37.8 |



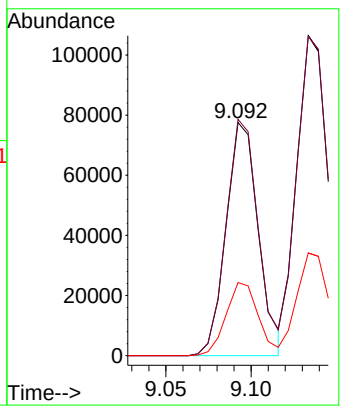


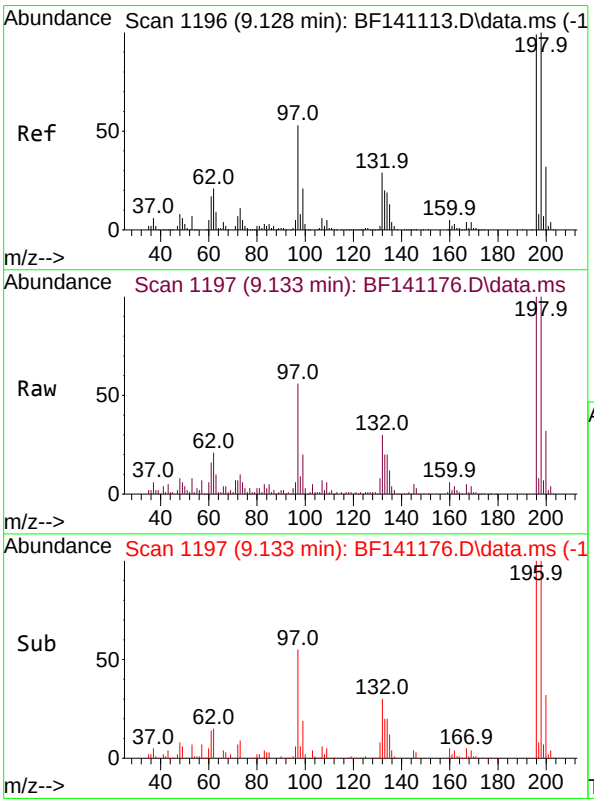

#43
2,4,6-Trichlorophenol
Concen: 17.856 ng
RT: 9.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:196 Resp: 101888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.4 | 80.8 | 121.2 |
| 200 | 31.4 | 25.7 | 38.5 |

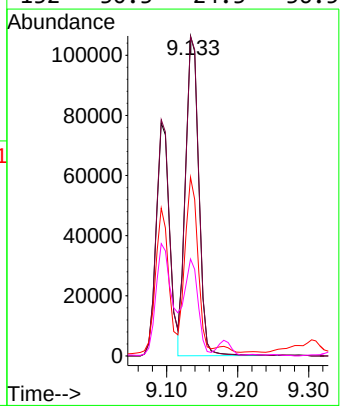


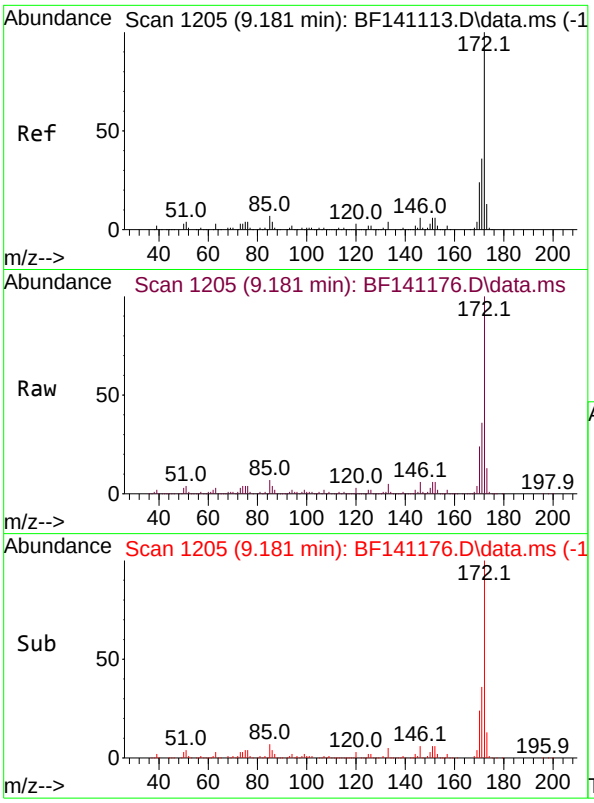




#44
2,4,5-Trichlorophenol
Concen: 22.875 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:196 Resp: 137849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.9 | 80.6 | 120.8 |
| 97 | 55.8 | 43.1 | 64.7 |
| 132 | 30.3 | 24.3 | 36.5 |



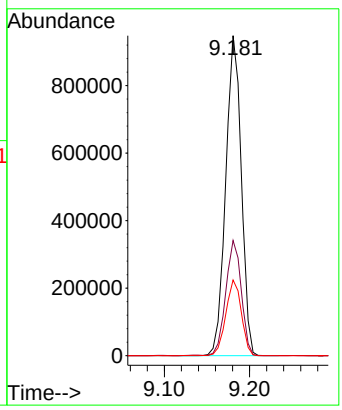


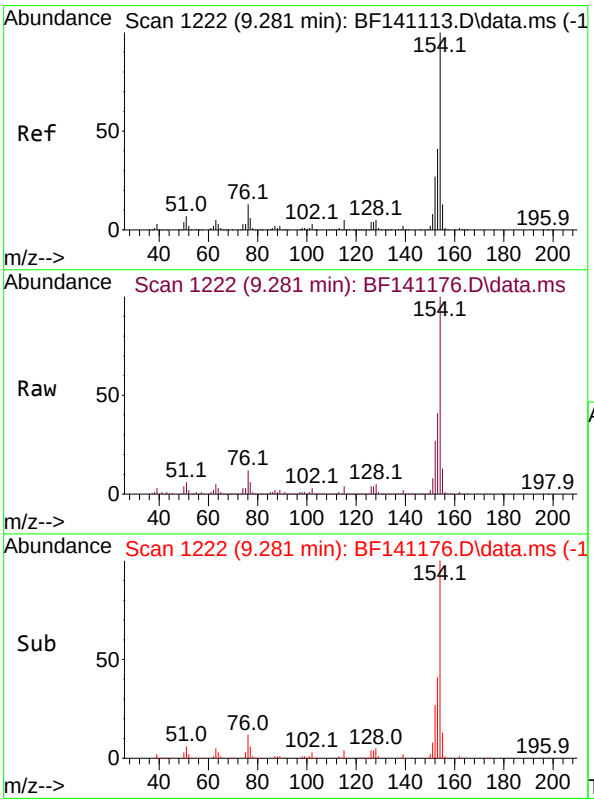

#45
2-Fluorobiphenyl
Concen: 62.565 ng
RT: 9.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:172 Resp: 1207713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 28.7 | 43.1 |
| 170 | 23.6 | 19.0 | 28.6 |

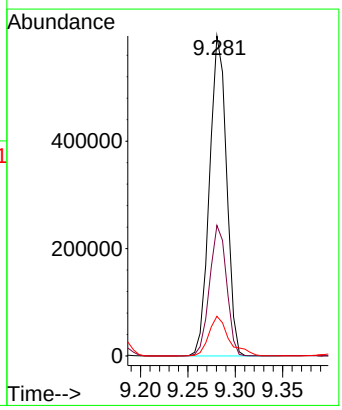


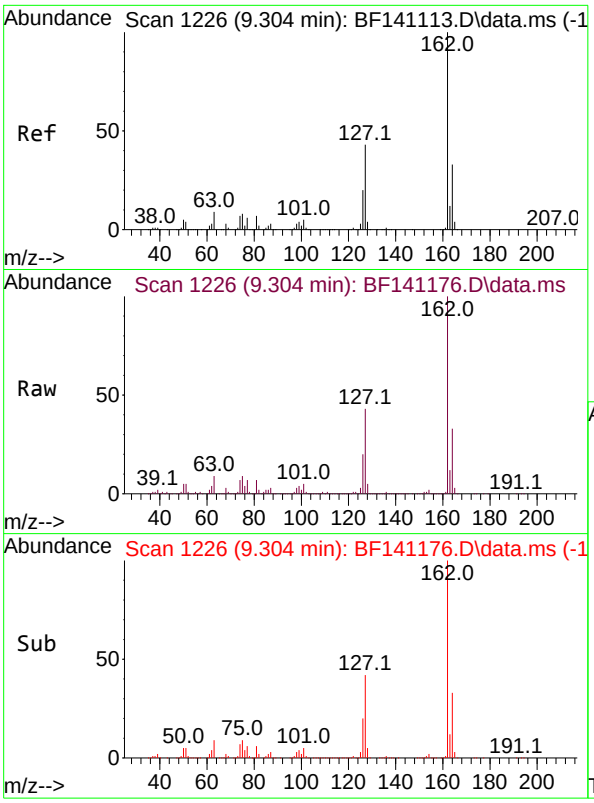




#46
1,1'-Biphenyl
Concen: 32.517 ng
RT: 9.281 min Scan# 1222
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:154 Resp: 744386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.8 | 20.7 | 60.7 |
| 76 | 12.4 | 0.0 | 33.1 |



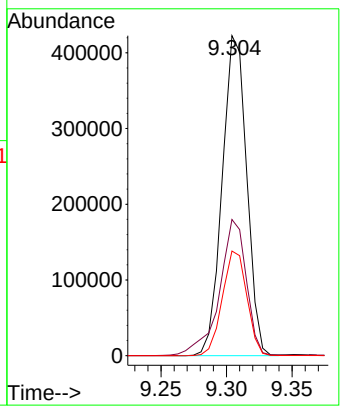


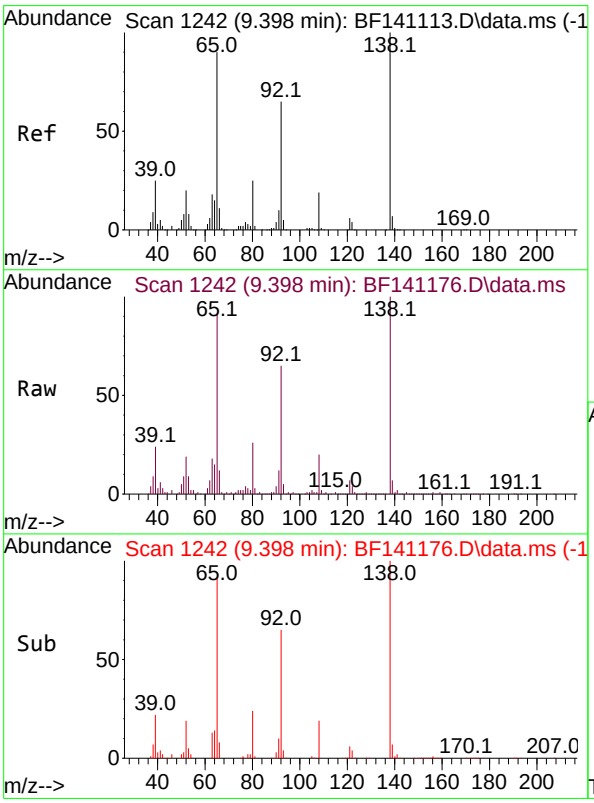

#47
2-Chloronaphthalene
Concen: 30.807 ng
RT: 9.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:162 Resp: 549279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.5 | 34.6 | 51.8 |
| 164 | 32.7 | 26.5 | 39.7 |

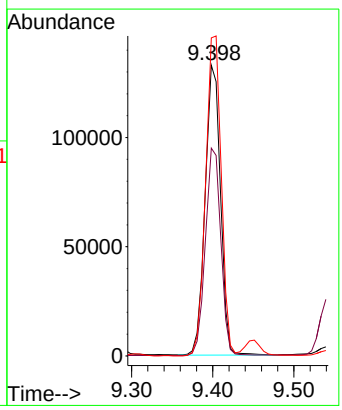


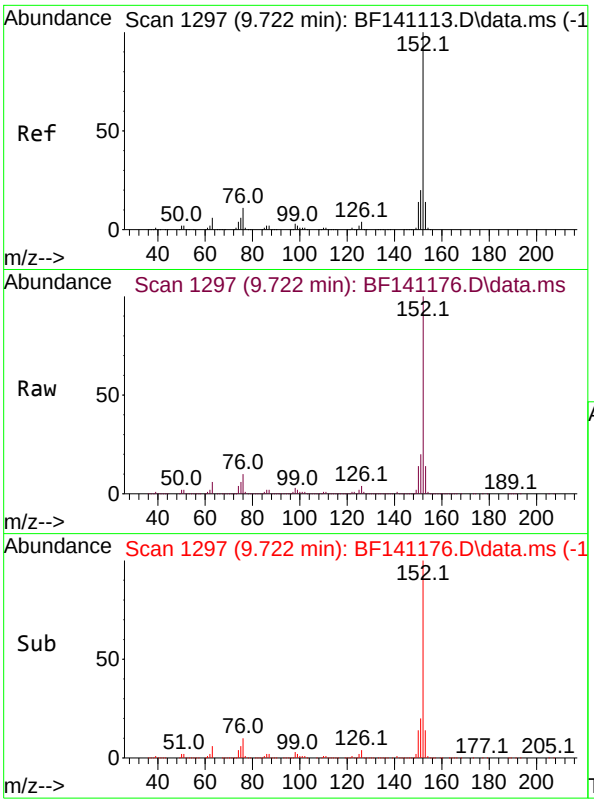




#48
2-Nitroaniline
Concen: 32.905 ng
RT: 9.398 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion: 65 Resp: 173916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.5 | 58.3 | 87.5 |
| 138 | 109.4 | 89.1 | 133.7 |



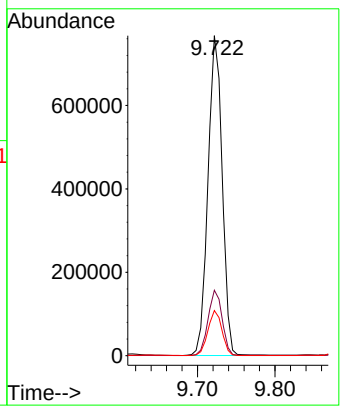


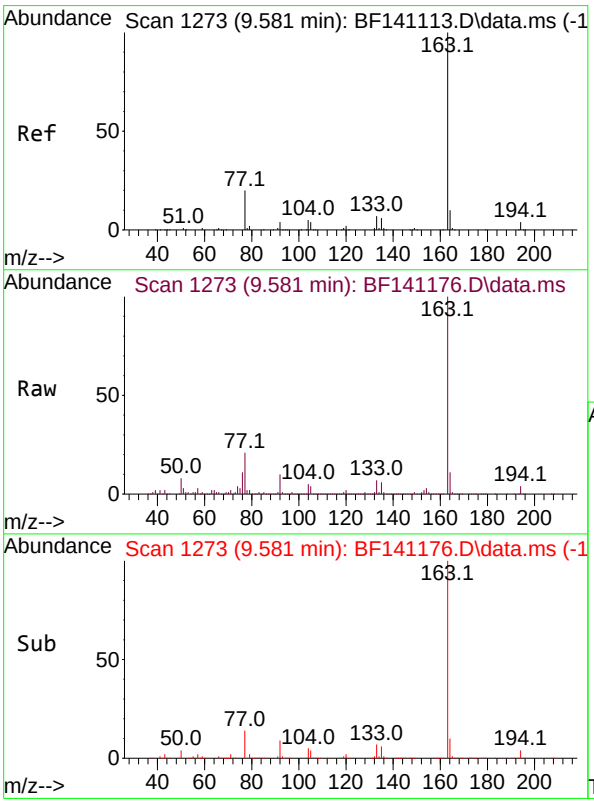

#49
Acenaphthylene
Concen: 38.365 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:152 Resp: 977297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.4 | 16.1 | 24.1 |
| 153 | 14.1 | 11.1 | 16.7 |

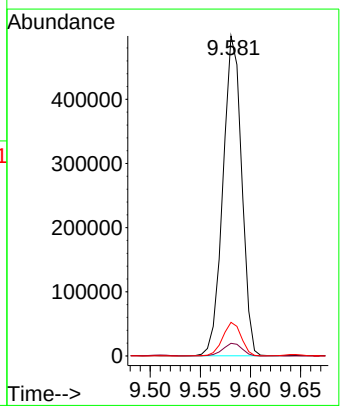


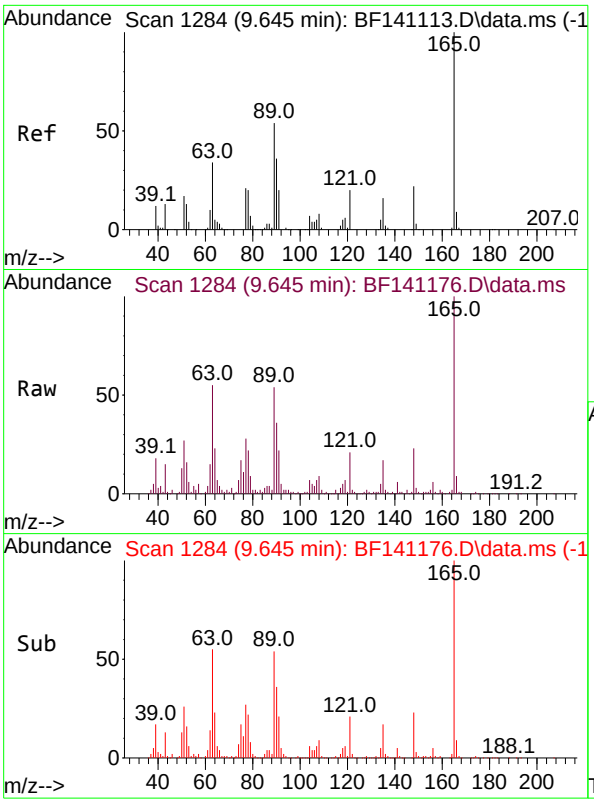




#50
Dimethylphthalate
Concen: 32.646 ng
RT: 9.581 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:163 Resp: 646040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.0 | 4.6 |
| 164 | 10.5 | 8.2 | 12.4 |



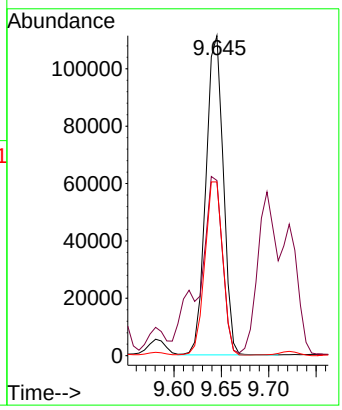


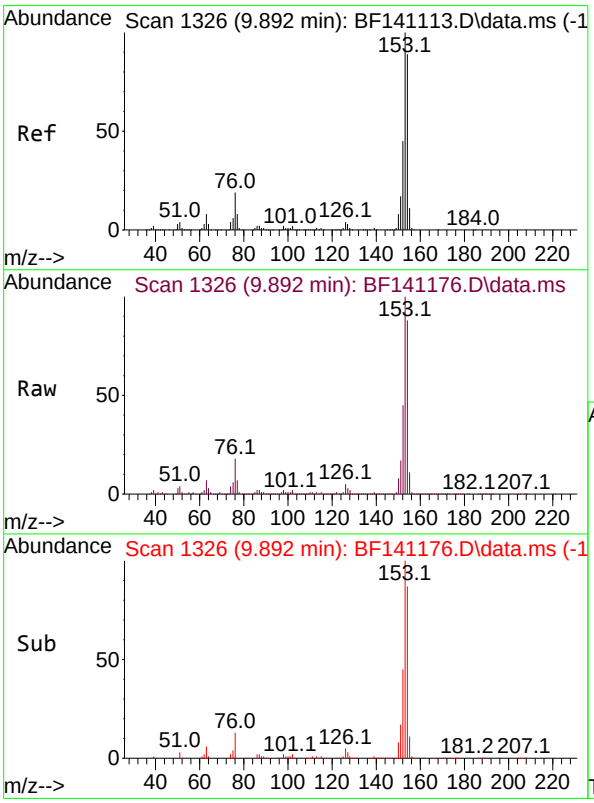

#51
2,6-Dinitrotoluene
Concen: 30.737 ng
RT: 9.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:165 Resp: 141448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 54.8 | 42.3 | 63.5 |
| 89 | 54.3 | 43.1 | 64.7 |

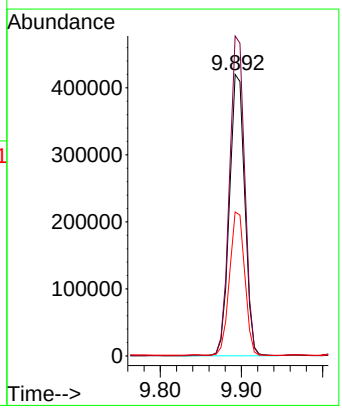


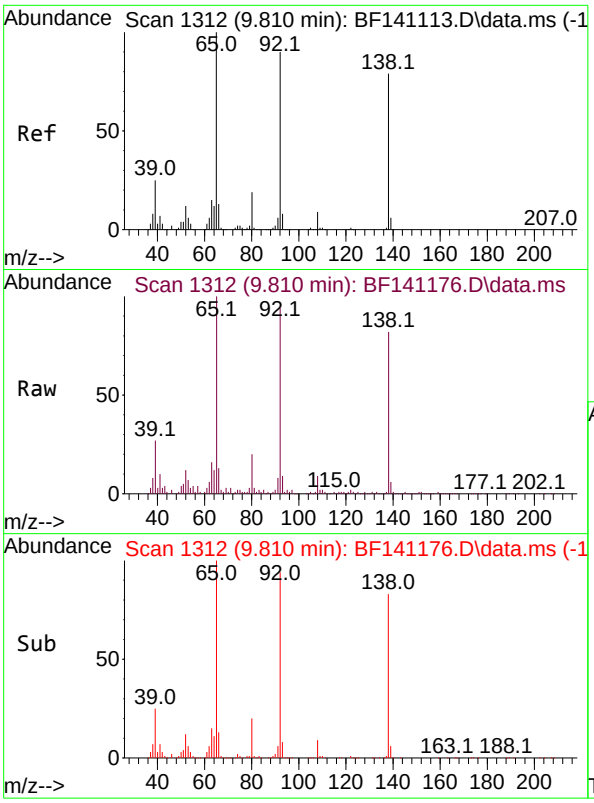




#52
Acenaphthene
Concen: 30.870 ng
RT: 9.892 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:154 Resp: 549398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.7 | 89.8 | 134.6 |
| 152 | 51.2 | 40.8 | 61.2 |



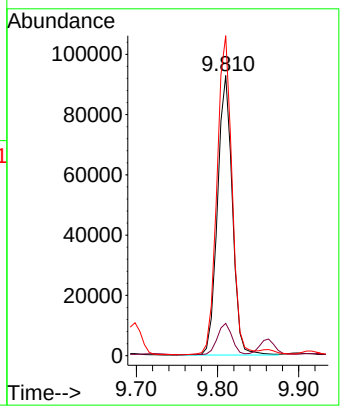


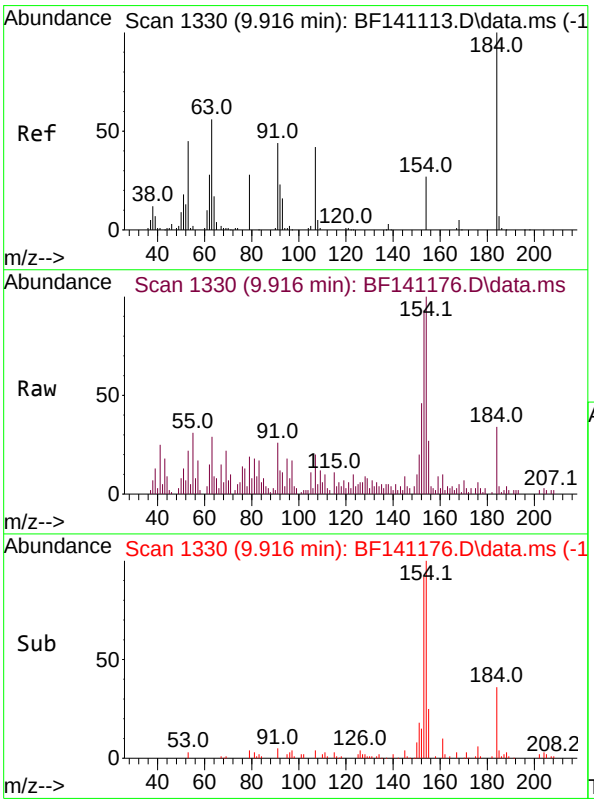

#53
3-Nitroaniline
Concen: 25.238 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:138 Resp: 118024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.5 | 8.8 | 13.2 |
| 92 | 114.2 | 91.3 | 136.9 |

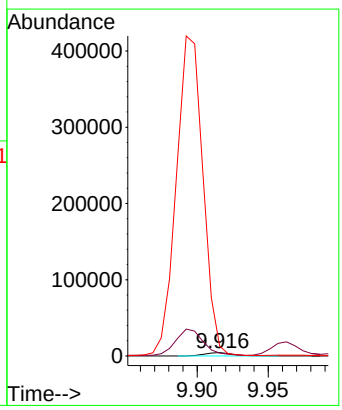


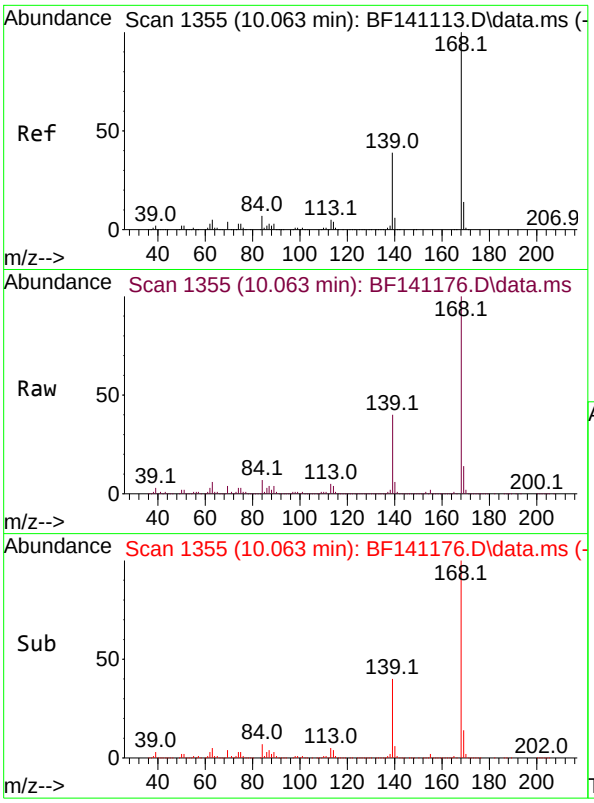




#54
2,4-Dinitrophenol
Concen: 2.668 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:184 Resp: 5836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 87.2 | 48.7 | 73.1# |
| 154 | 298.4 | 57.1 | 85.7# |



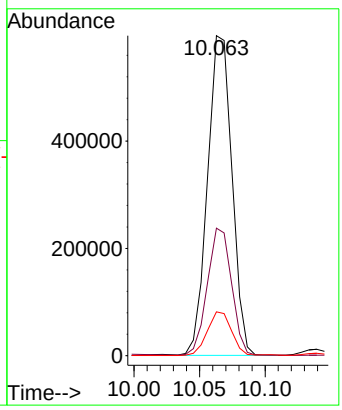


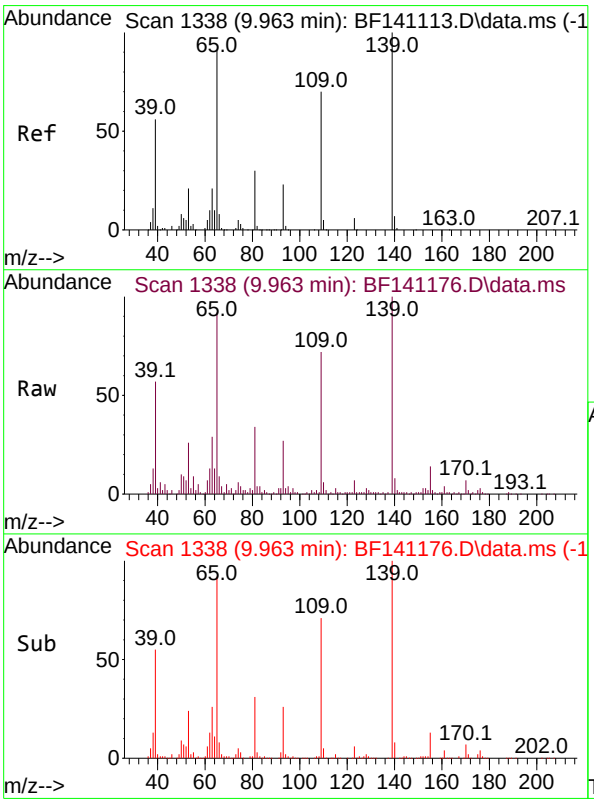

#55
Dibenzofuran
Concen: 31.903 ng
RT: 10.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:168 Resp: 772302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.9 | 31.4 | 47.0 |
| 169 | 13.7 | 10.9 | 16.3 |

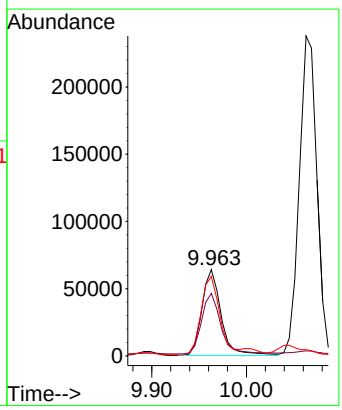


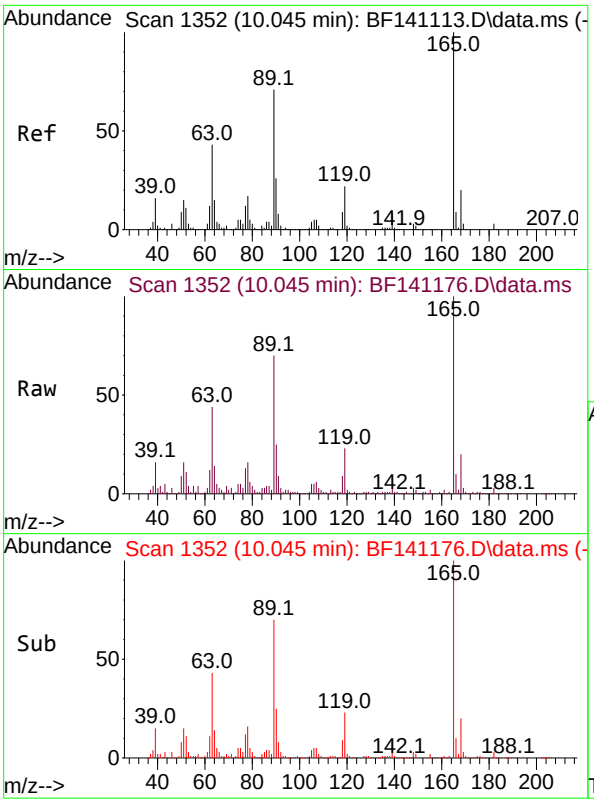




#56
4-Nitrophenol
Concen: 24.317 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:139 Resp: 89059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 72.4 | 50.2 | 90.2 |
| 65 | 92.3 | 72.1 | 112.1 |



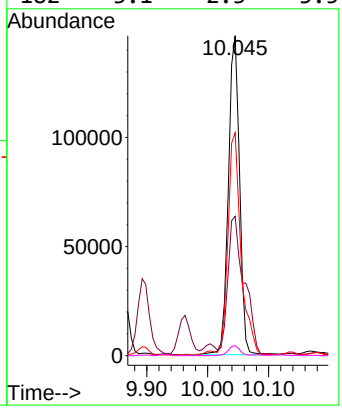


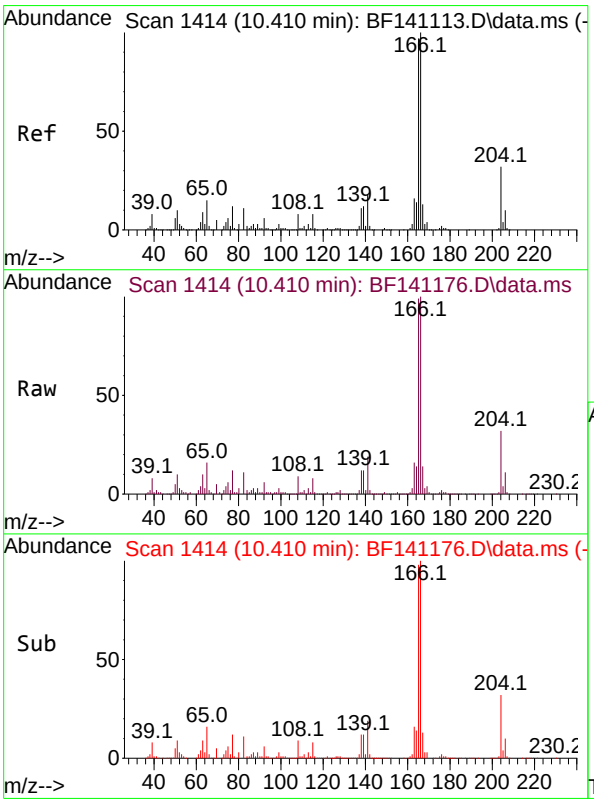

#57
2,4-Dinitrotoluene
Concen: 31.495 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:165 Resp: 186784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 43.6 | 35.0 | 52.4 |
| 89 | 69.6 | 56.7 | 85.1 |
| 182 | 3.1 | 2.3 | 3.5 |

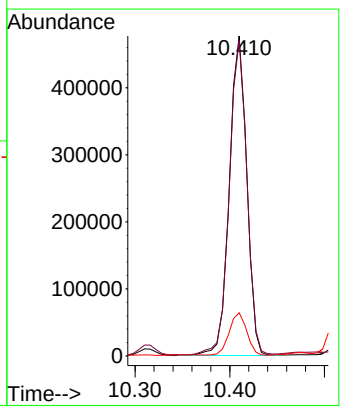


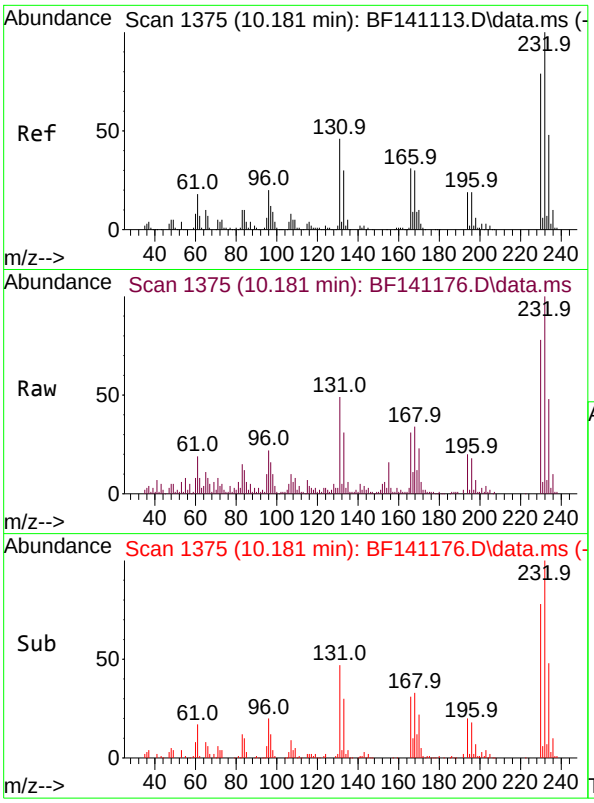




#58
Fluorene
Concen: 32.401 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:166 Resp: 609361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.6 | 77.8 | 116.8 |
| 167 | 13.5 | 10.8 | 16.2 |



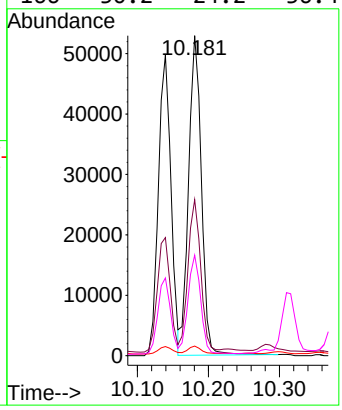


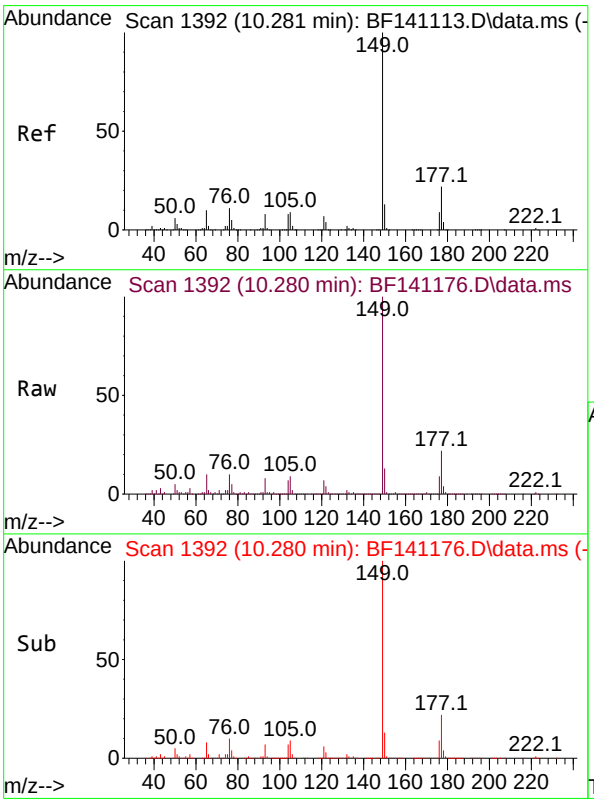

#59
2,3,4,6-Tetrachlorophenol
Concen: 13.269 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:232 Resp: 66467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.0 | 36.2 | 54.4 |
| 130 | 2.2 | 2.0 | 3.0 |
| 166 | 30.2 | 24.2 | 36.4 |

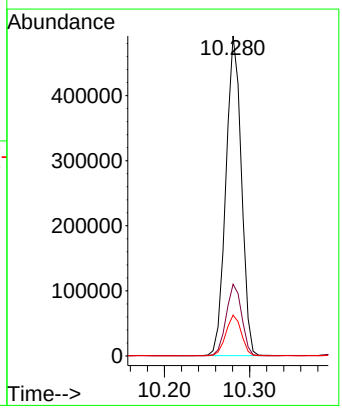


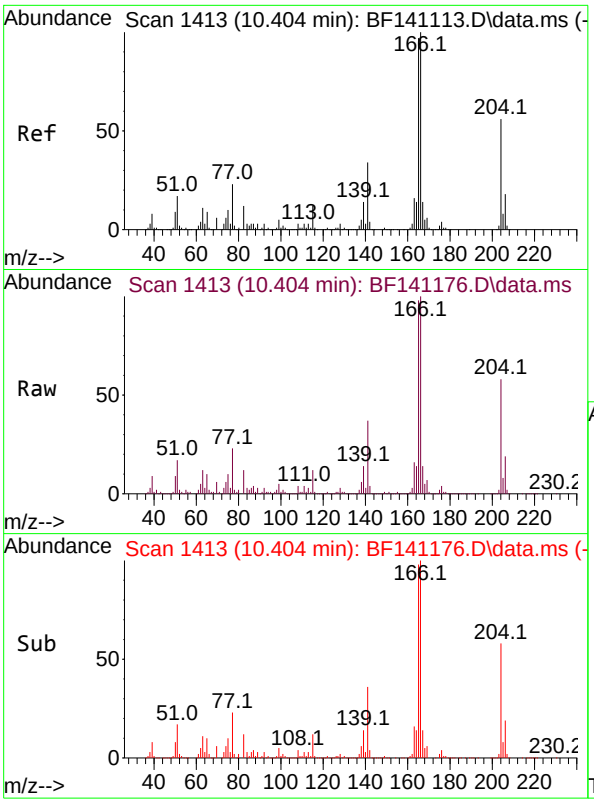




#60
Diethylphthalate
Concen: 32.105 ng
RT: 10.280 min Scan# 1392
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:149 Resp: 620252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.4 | 17.9 | 26.9 |
| 150 | 12.7 | 10.2 | 15.2 |



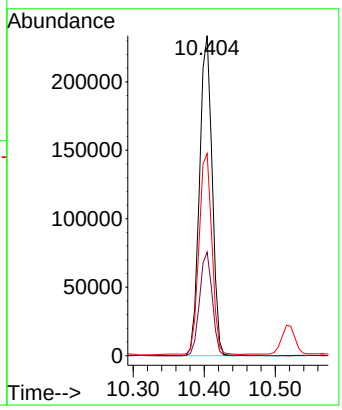


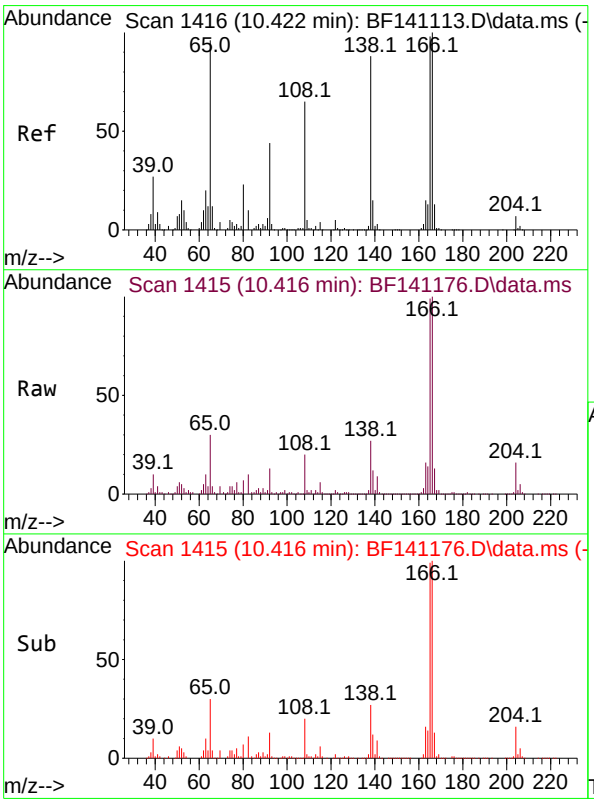

#61
4-Chlorophenyl-phenylether
Concen: 31.619 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:204 Resp: 289829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.4 | 25.9 | 38.9 |
| 141 | 63.1 | 49.1 | 73.7 |

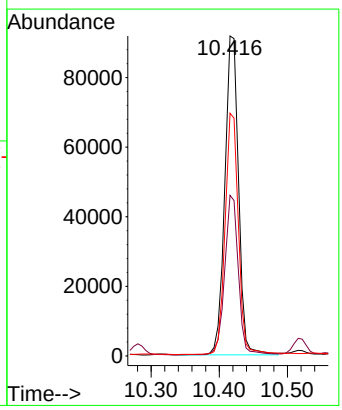


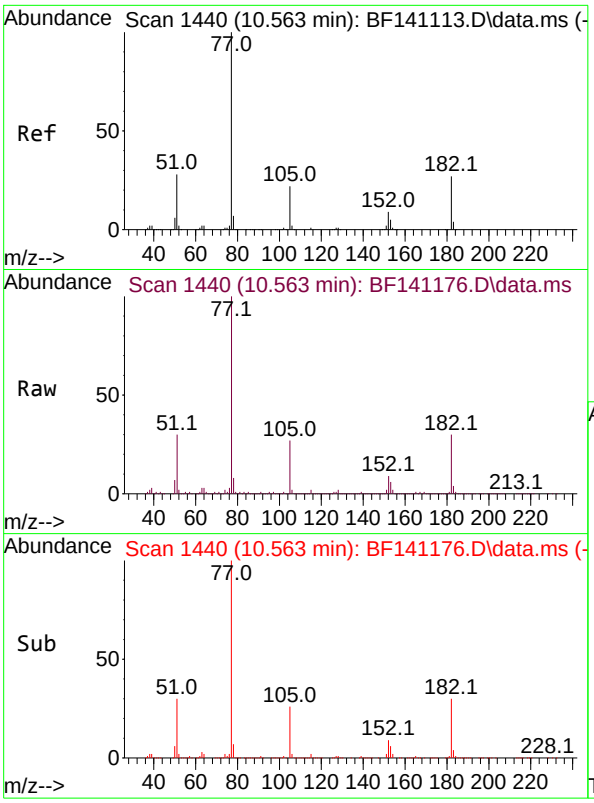




#62
4-Nitroaniline
Concen: 28.115 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:138 Resp: 128687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.2 | 29.4 | 69.4 |
| 108 | 75.9 | 53.7 | 93.7 |



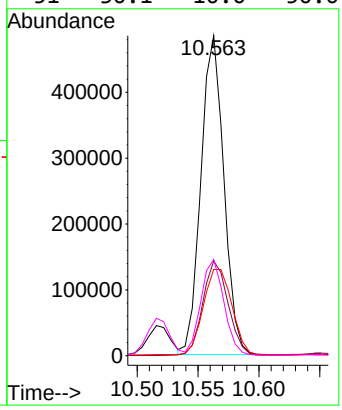


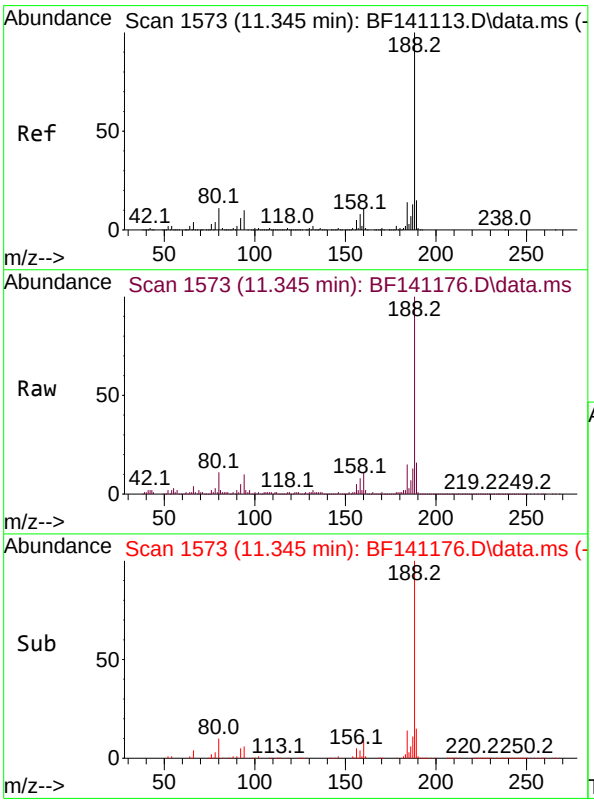

#63
Azobenzene
Concen: 33.284 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion: 77 Resp: 634488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 29.6 | 6.1 | 46.1 |
| 105 | 27.0 | 2.1 | 42.1 |
| 51 | 30.1 | 10.0 | 50.0 |

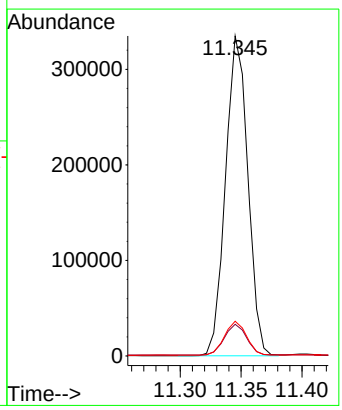


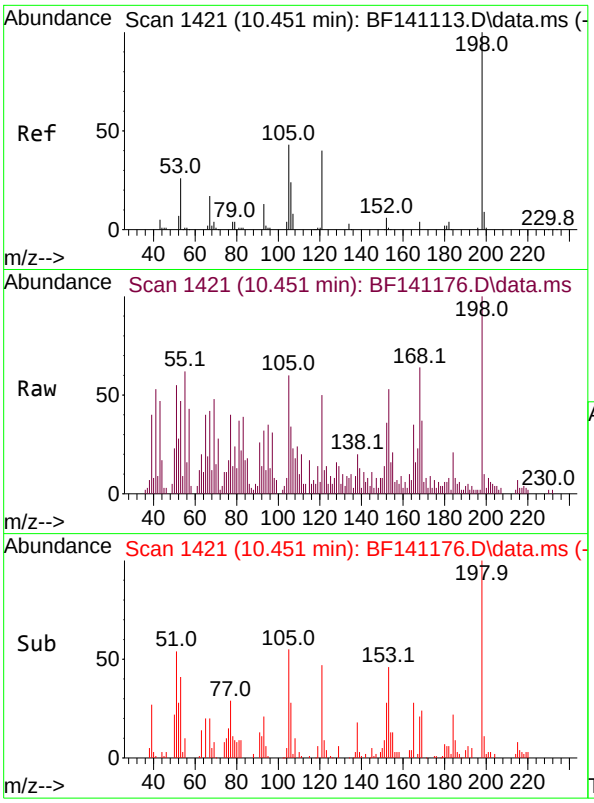




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:188 Resp: 427420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.9 | 8.3 | 12.5 |
| 80 | 10.8 | 9.0 | 13.4 |



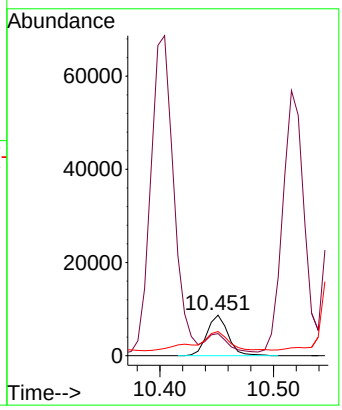


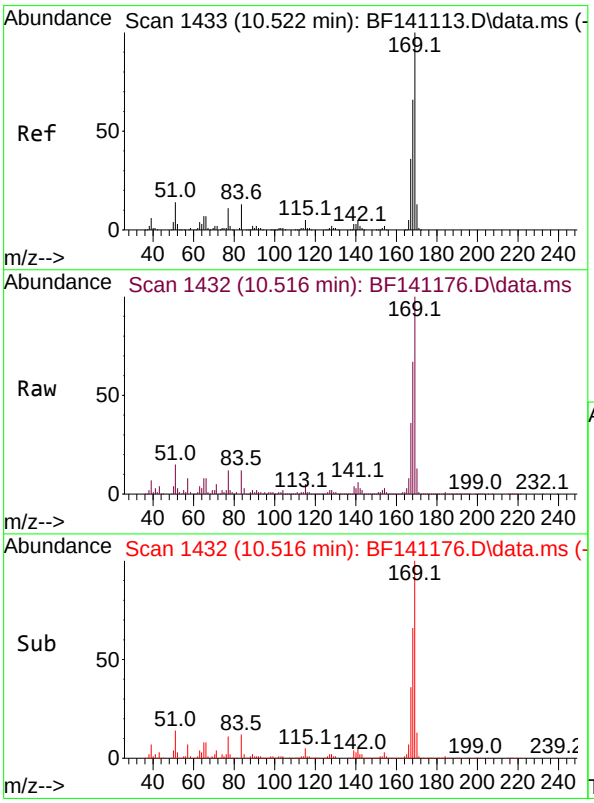

#65
4,6-Dinitro-2-methylphenol
Concen: 4.520 ng
RT: 10.451 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:198 Resp: 11195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 54.6 | 27.1 | 67.1 |
| 105 | 59.8 | 24.2 | 64.2 |

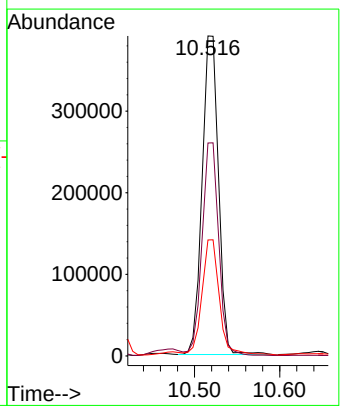


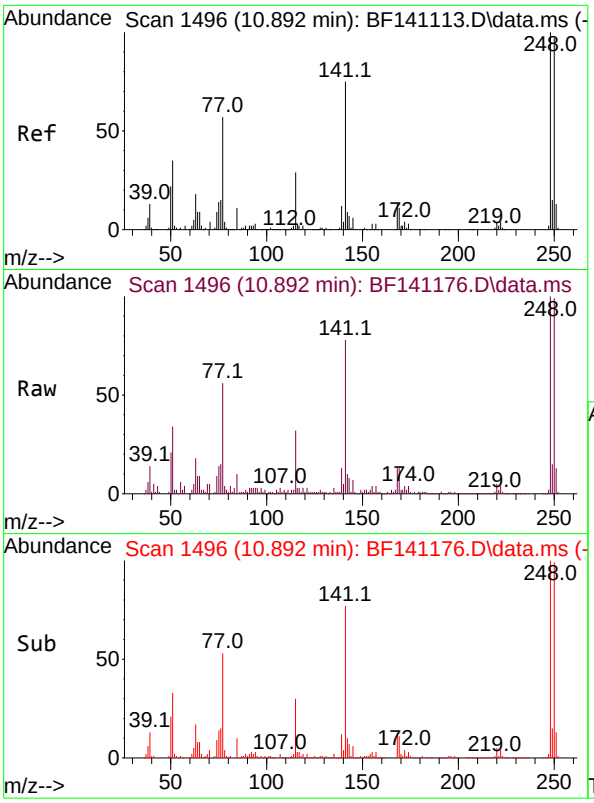




#66
n-Nitrosodiphenylamine
Concen: 37.894 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:169 Resp: 522412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.6 | 52.5 | 78.7 |
| 167 | 36.3 | 28.9 | 43.3 |



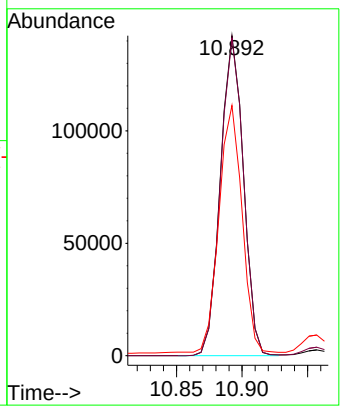


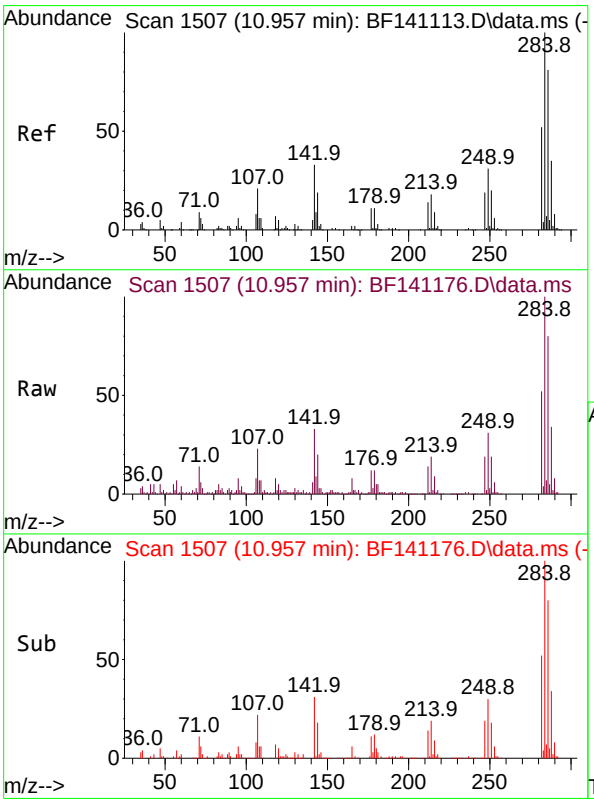

#67
4-Bromophenyl-phenylether
Concen: 35.228 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:248 Resp: 173354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.3 | 77.9 | 116.9 |
| 141 | 78.2 | 59.9 | 89.9 |

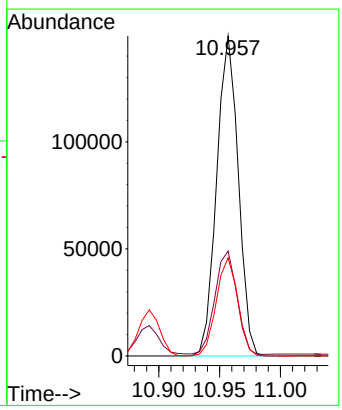


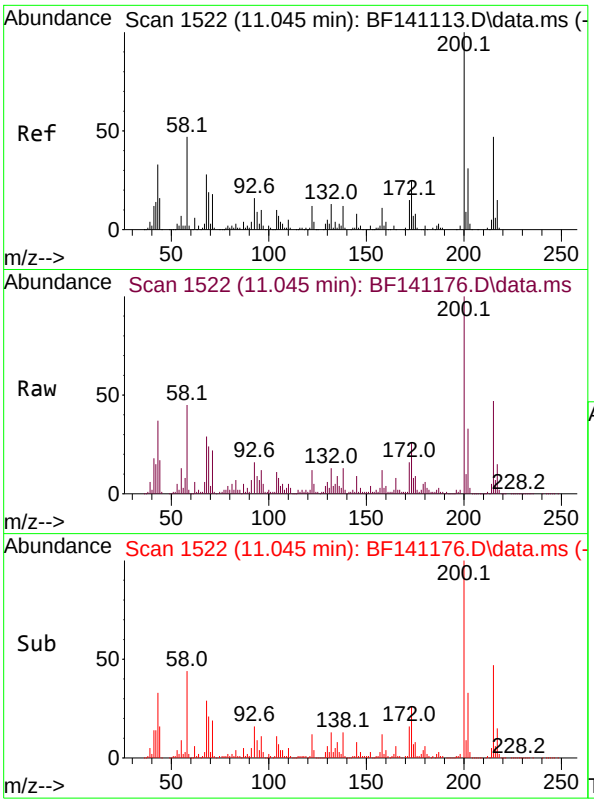




#68
Hexachlorobenzene
Concen: 33.626 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:284 Resp: 184199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.7 | 26.3 | 39.5 |
| 249 | 30.6 | 24.9 | 37.3 |



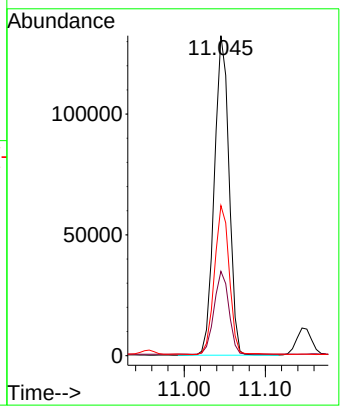


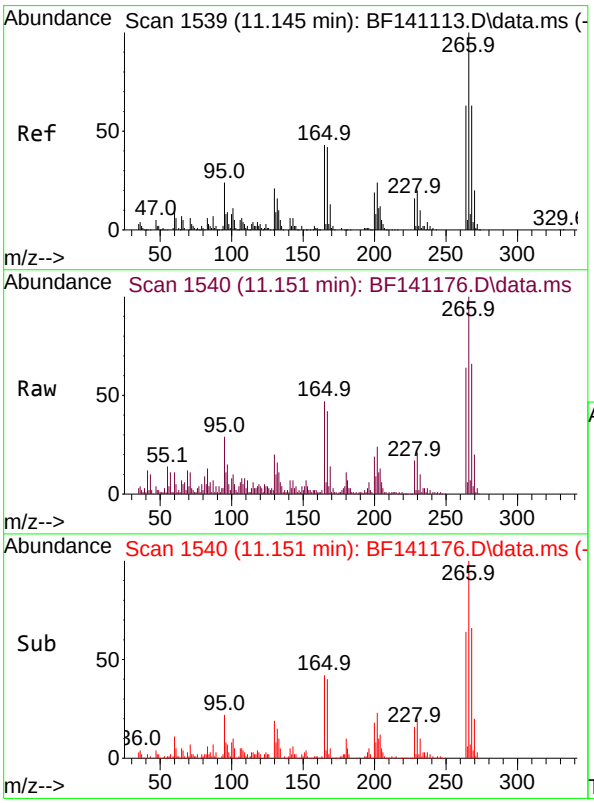

#69
Atrazine
Concen: 44.950 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:200 Resp: 166855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.4 | 5.4 | 45.4 |
| 215 | 46.9 | 26.6 | 66.6 |

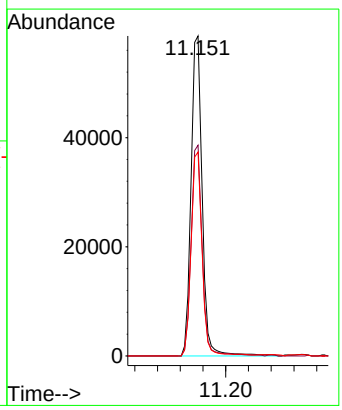


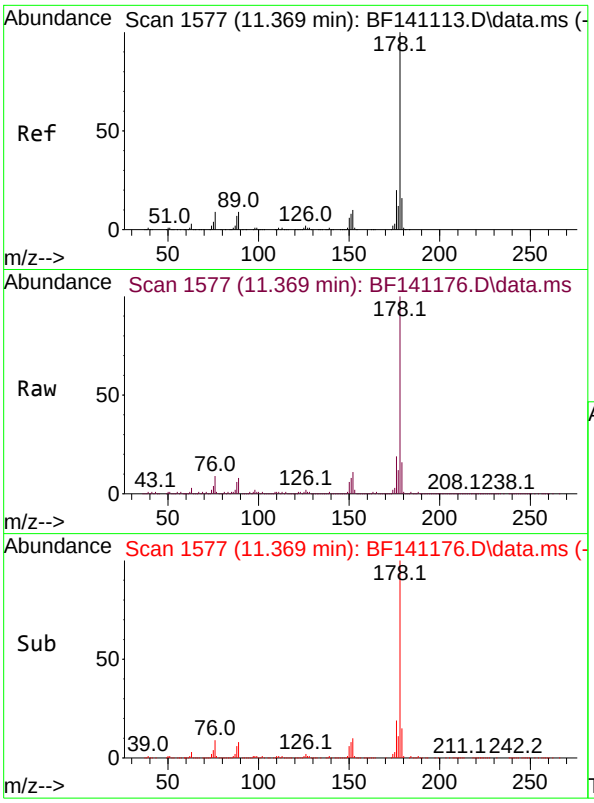




#70
Pentachlorophenol
Concen: 22.862 ng
RT: 11.151 min Scan# 1540
Delta R.T. 0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:266 Resp: 80199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 65.9 | 50.4 | 75.6 |
| 264 | 63.7 | 50.2 | 75.2 |



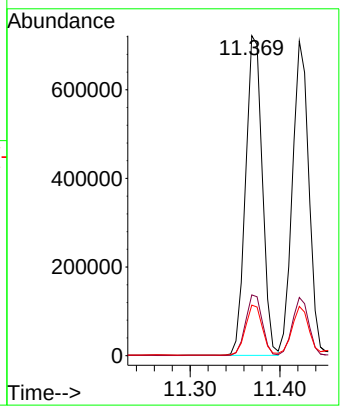


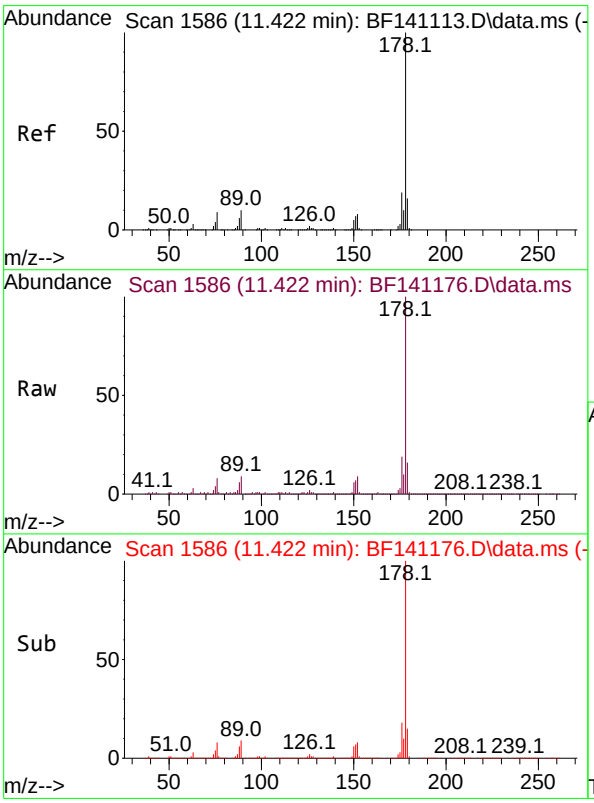

#71
Phenanthrene
Concen: 40.461 ng
RT: 11.369 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:178 Resp: 928440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.7 | 23.5 |
| 179 | 15.8 | 12.6 | 19.0 |

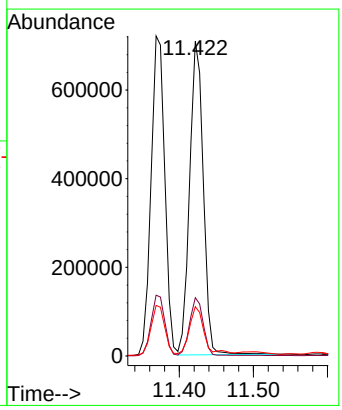


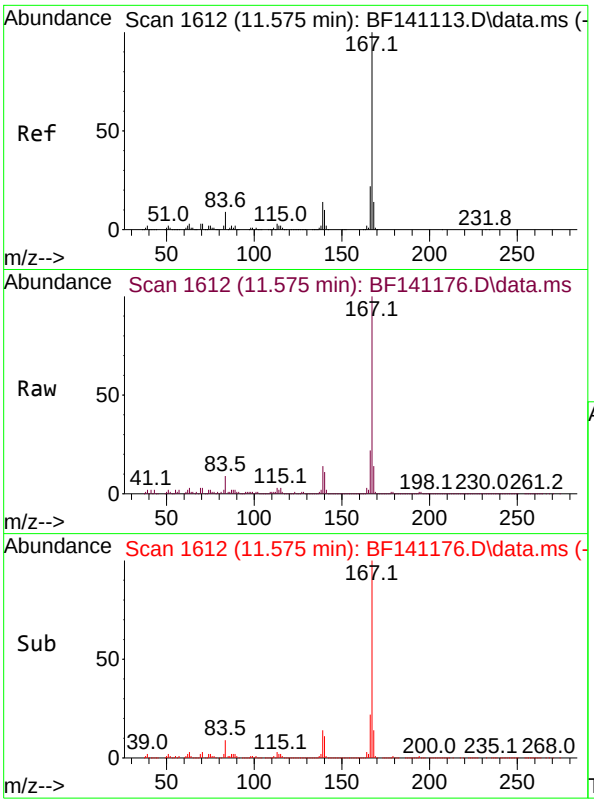




#72
Anthracene
Concen: 40.638 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:178 Resp: 906732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 14.9 | 22.3 |
| 179 | 15.7 | 12.6 | 19.0 |



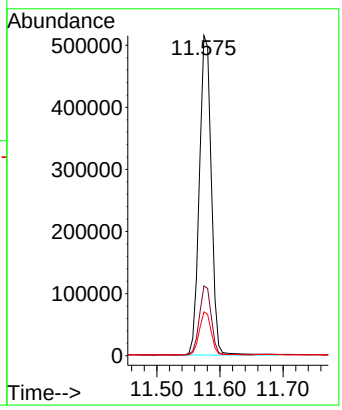


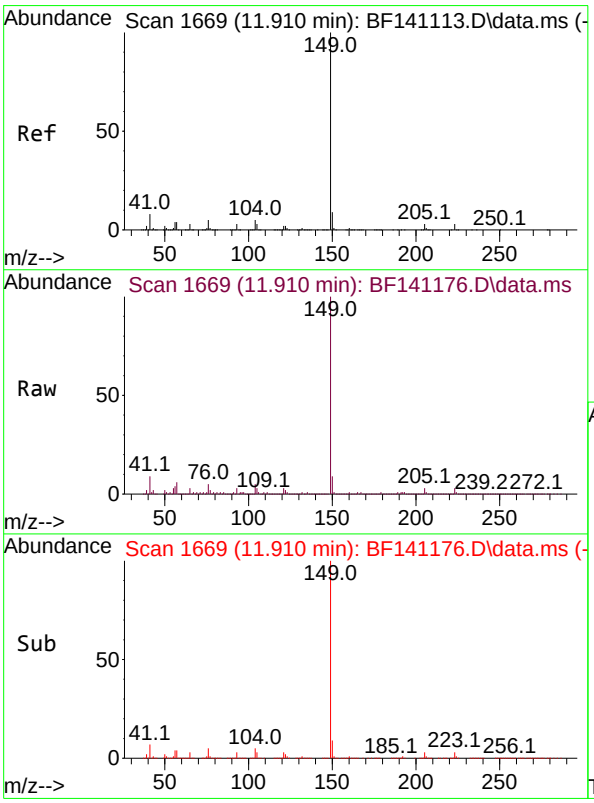

#73
Carbazole
Concen: 32.941 ng
RT: 11.575 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:167 Resp: 673943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.4 | 26.2 |
| 139 | 13.7 | 10.9 | 16.3 |

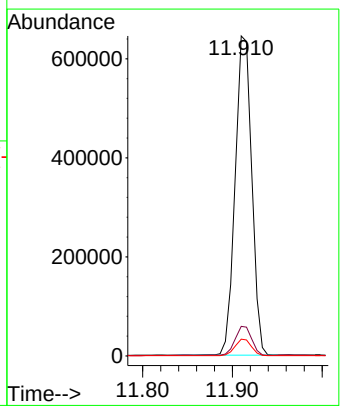


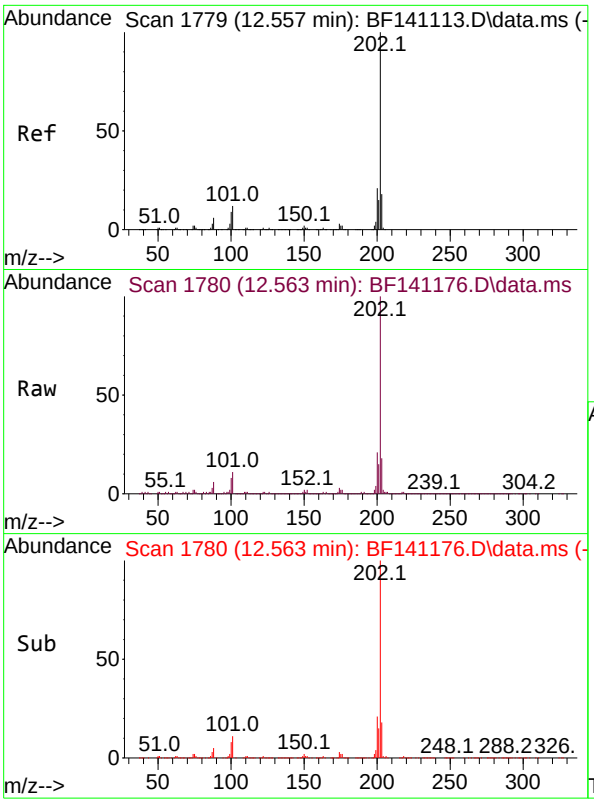




#74
Di-n-butylphthalate
Concen: 35.379 ng
RT: 11.910 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:149 Resp: 828354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.4 | 11.2 |
| 104 | 5.3 | 4.2 | 6.2 |



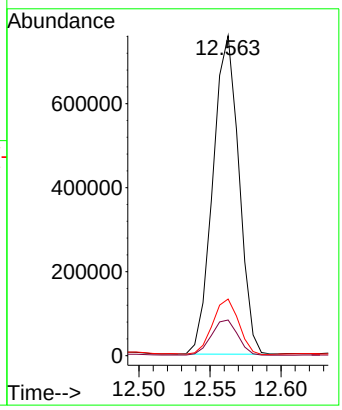


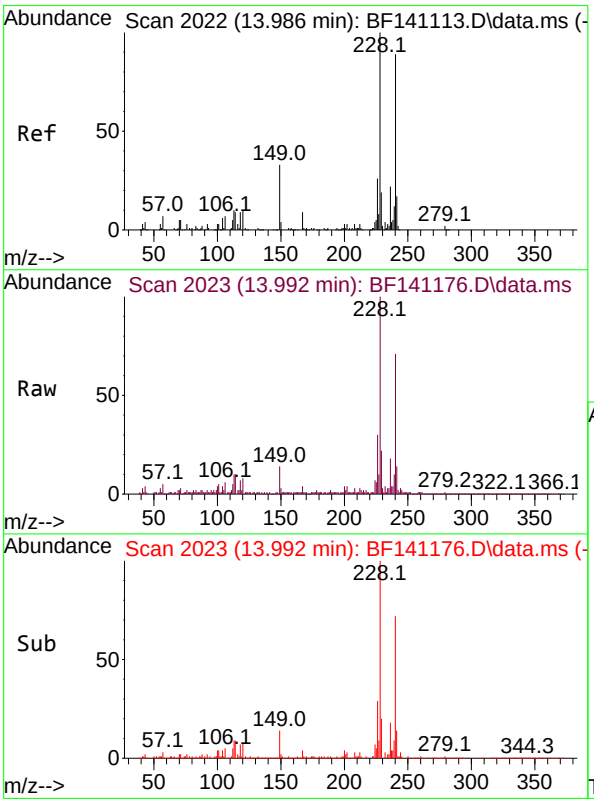

#75
Fluoranthene
Concen: 42.207 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:202 Resp: 966493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.1 | 0.0 | 32.3 |
| 203 | 17.7 | 0.0 | 37.7 |

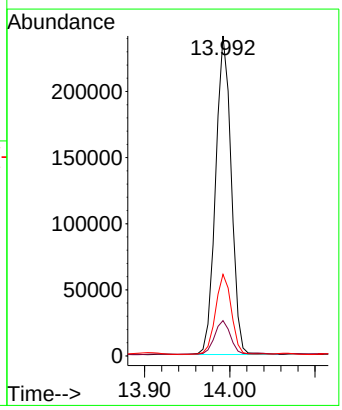


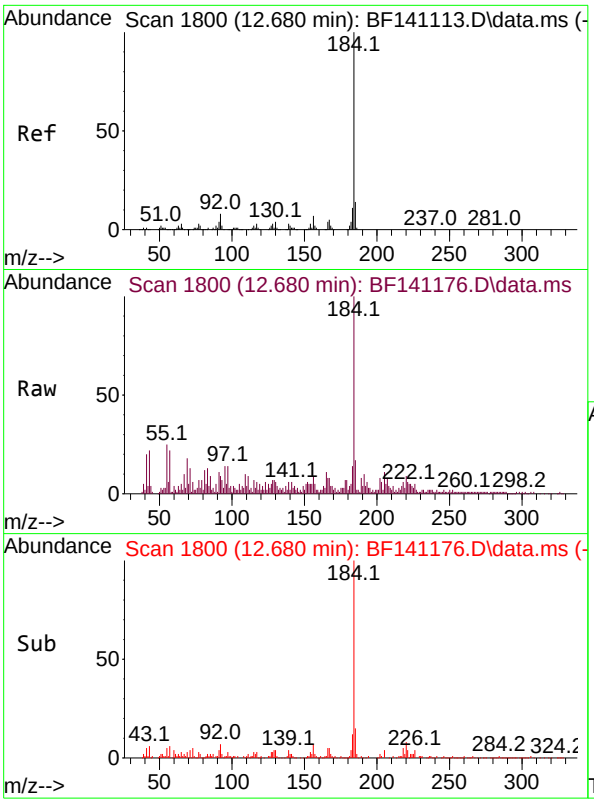




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:240 Resp: 307236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.1 | 9.1 | 13.7 |
| 236 | 25.5 | 19.8 | 29.6 |



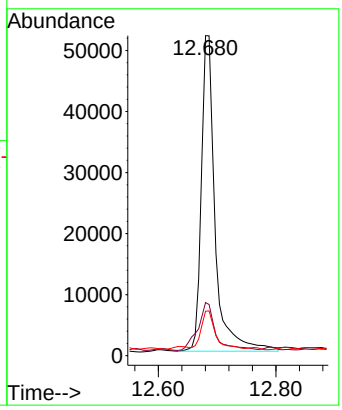


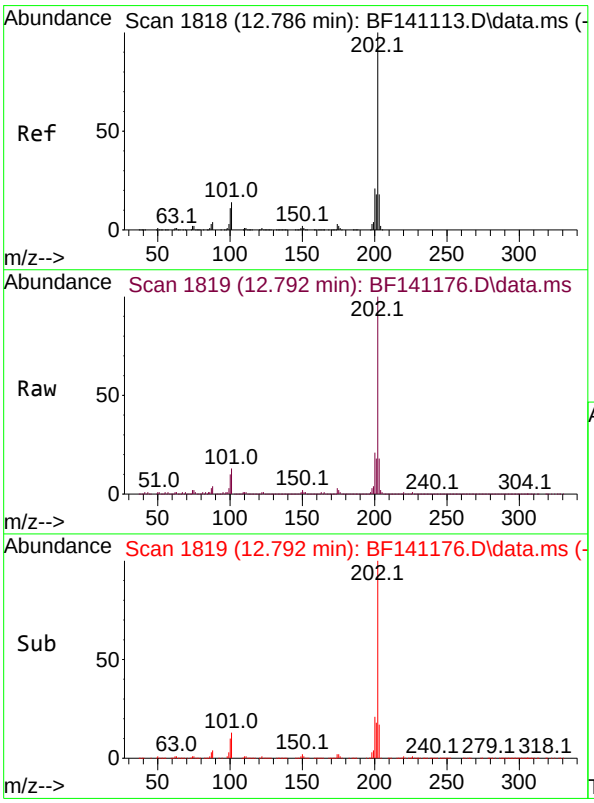

#77
Benzidine
Concen: 14.811 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:184 Resp: 84383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 16.6 | 11.4 | 17.0 |
| 183 | 13.9 | 9.2 | 13.8# |

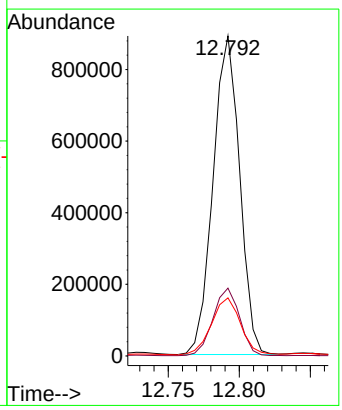


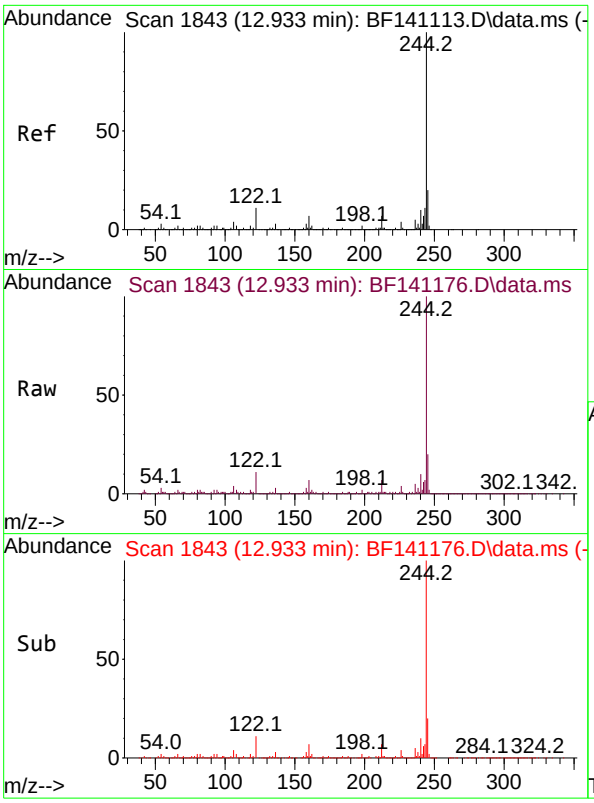




#78
Pyrene
Concen: 39.496 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:202 Resp: 1159012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 16.8 | 25.2 |
| 203 | 18.1 | 14.3 | 21.5 |



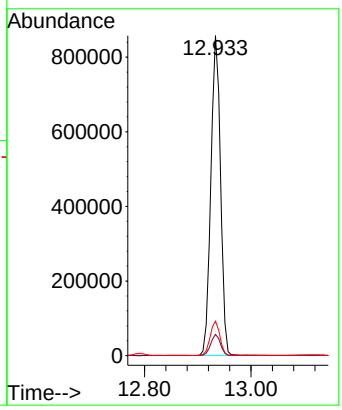


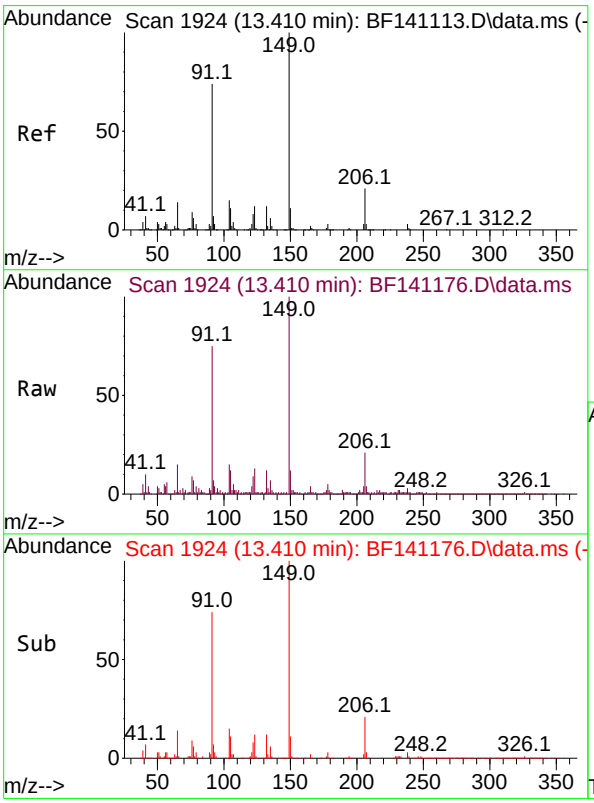

#79
Terphenyl-d14
Concen: 52.280 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:244 Resp: 1080678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.4 | 8.2 |
| 122 | 10.8 | 8.8 | 13.2 |

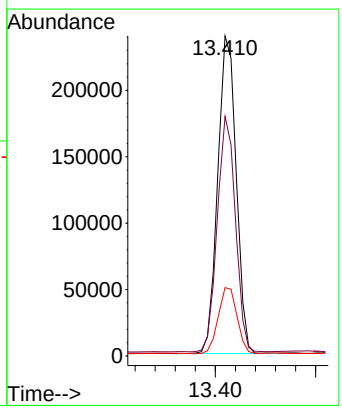


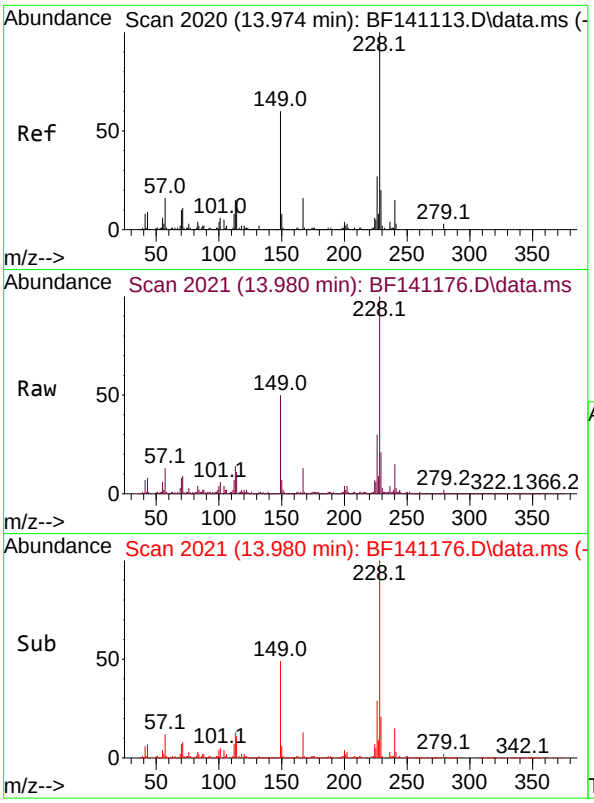




#80
Butylbenzylphthalate
Concen: 31.209 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:149 Resp: 305345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 74.9 | 59.0 | 88.6 |
| 206 | 21.4 | 16.5 | 24.7 |



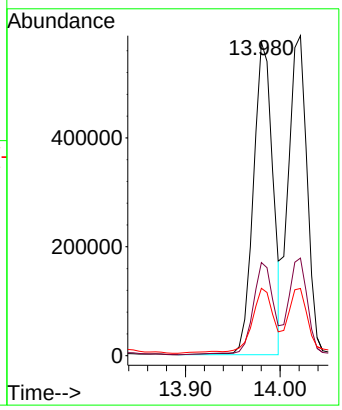


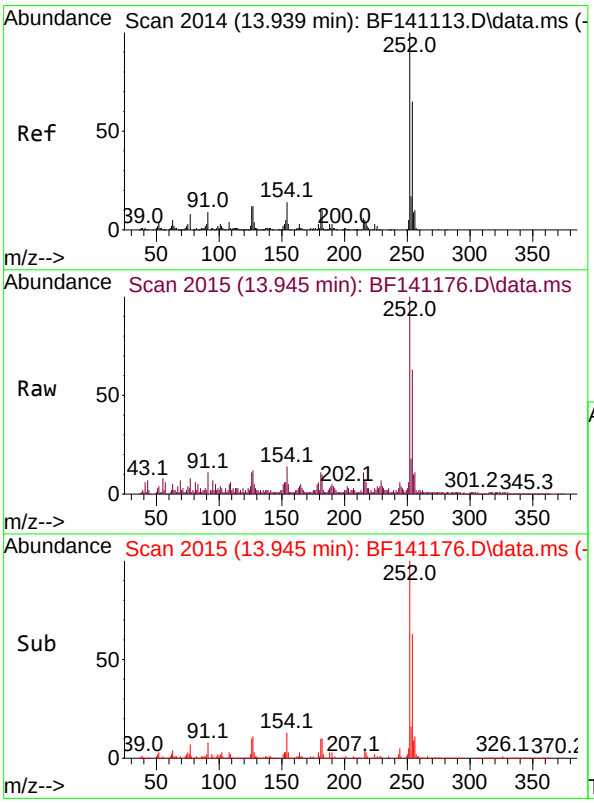

#81
Benzo(a)anthracene
Concen: 39.257 ng
RT: 13.980 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:228 Resp: 820834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 21.7 | 32.5 |
| 229 | 21.5 | 15.7 | 23.5 |

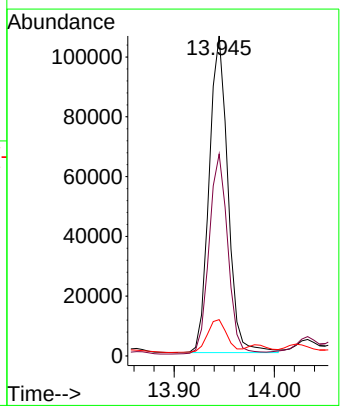


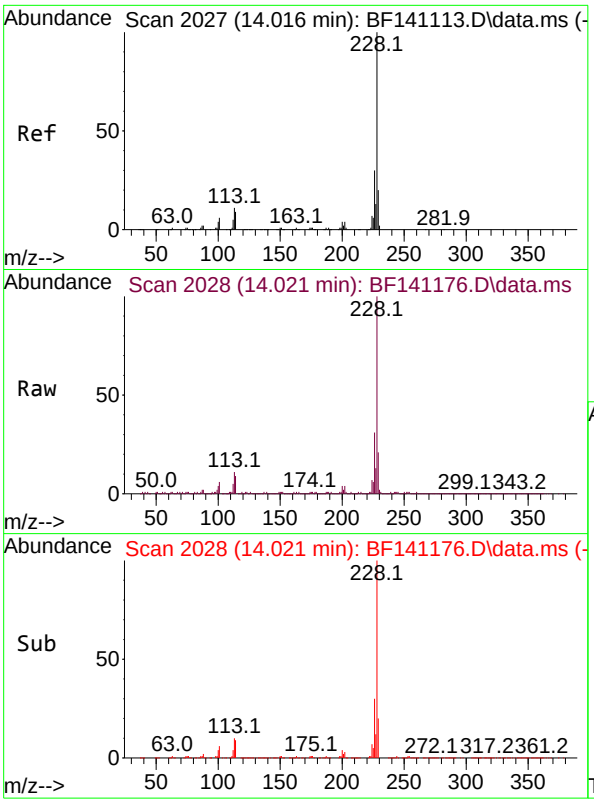




#82
3,3'-Dichlorobenzidine
Concen: 20.639 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:252 Resp: 137413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.1 | 52.0 | 78.0 |
| 126 | 11.4 | 9.4 | 14.0 |



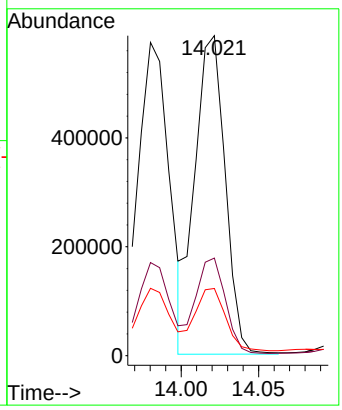


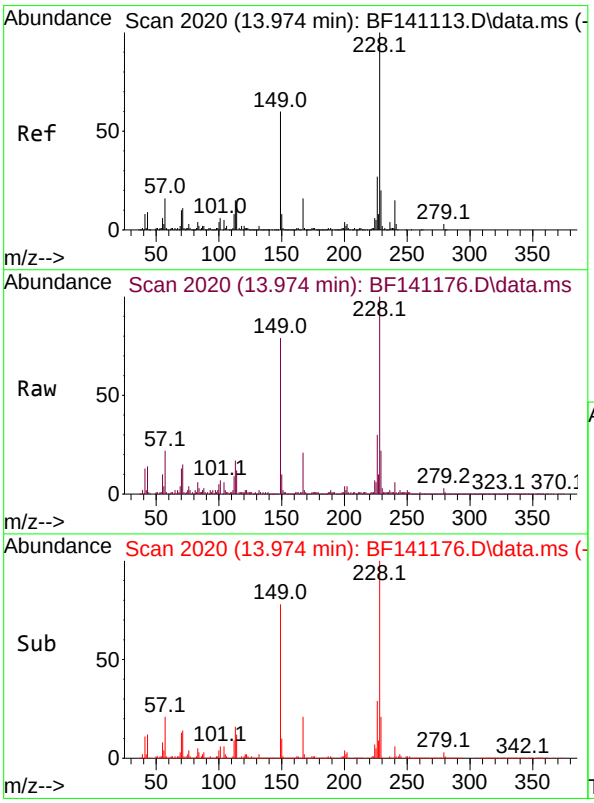

#83
Chrysene
Concen: 40.674 ng
RT: 14.021 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:228 Resp: 795763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 23.8 | 35.8 |
| 229 | 21.0 | 15.8 | 23.8 |

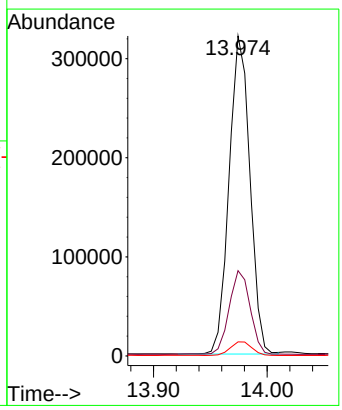


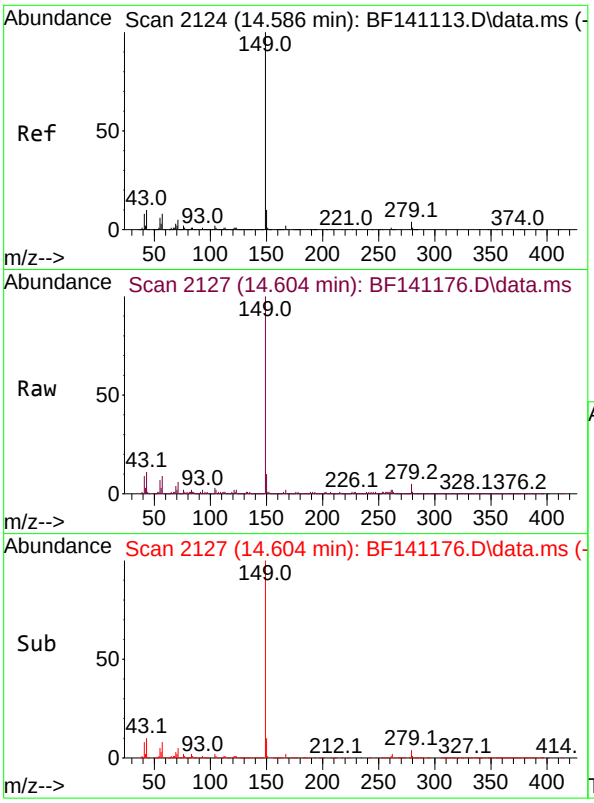




#84
Bis(2-ethylhexyl)phthalate
Concen: 34.743 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:149 Resp: 407859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.7 | 21.4 | 32.2 |
| 279 | 4.4 | 3.4 | 5.2 |



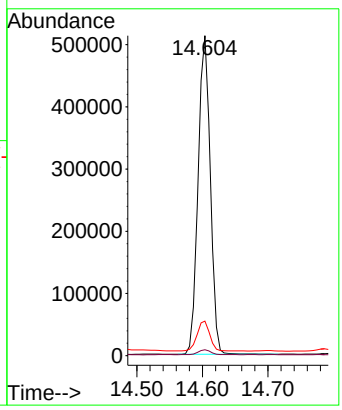


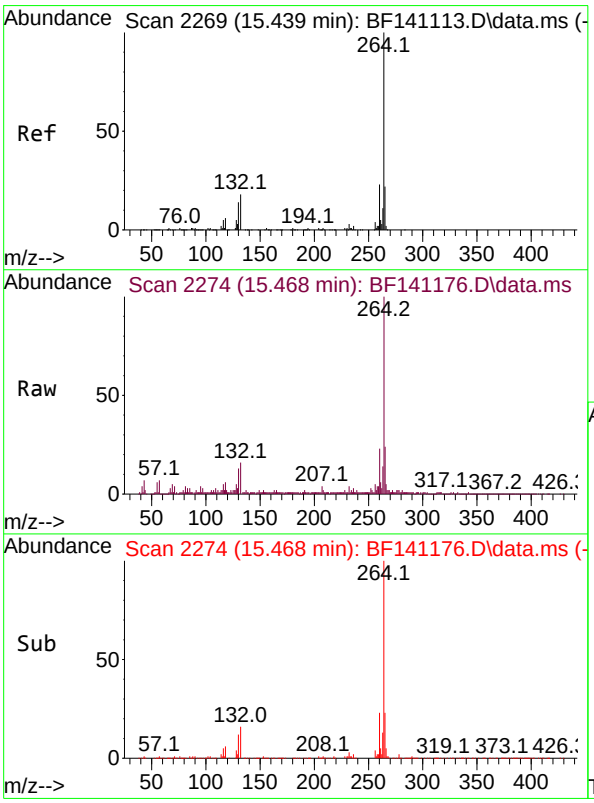

#85
Di-n-octyl phthalate
Concen: 37.454 ng
RT: 14.604 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:149 Resp: 663939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.8 | 8.4 | 12.6 |

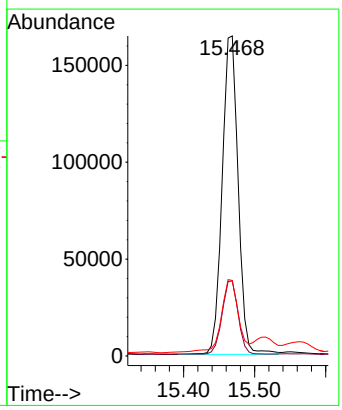


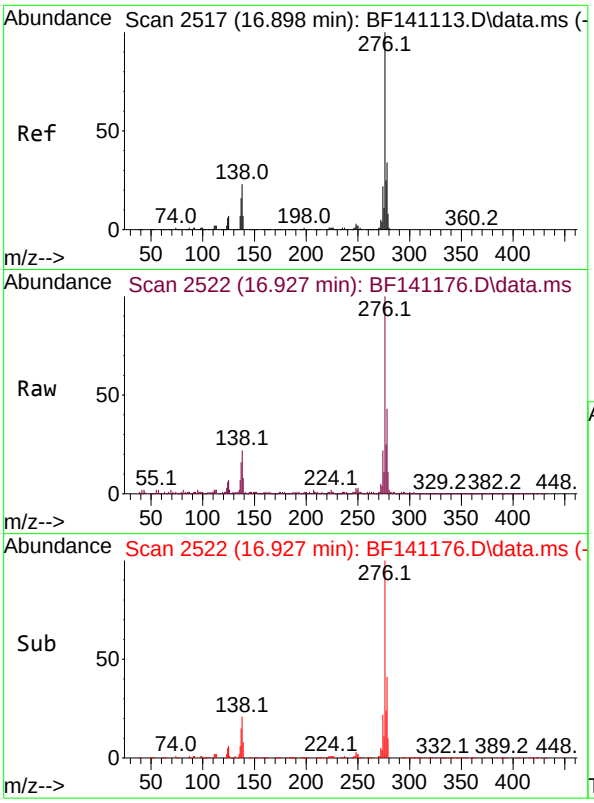




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.029 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:264 Resp: 256318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.6 | 28.0 |
| 265 | 23.6 | 17.4 | 26.0 |



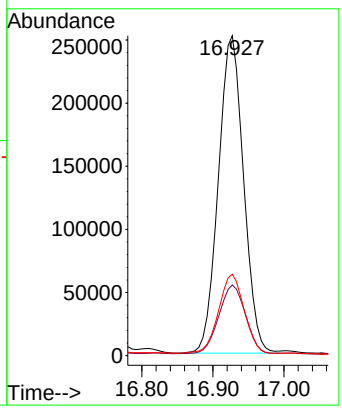


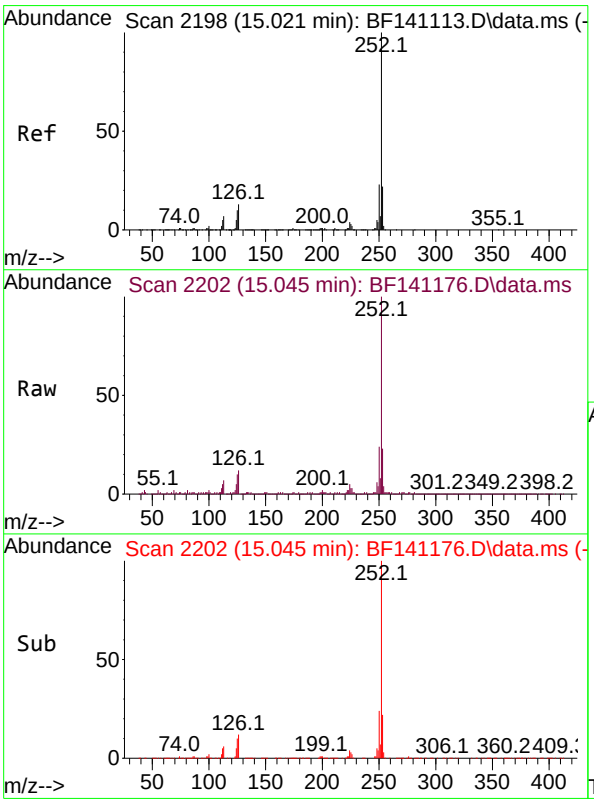

#87
Indeno(1,2,3-cd)pyrene
Concen: 32.986 ng
RT: 16.927 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:276 Resp: 619424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.9 | 20.7 | 31.1 |
| 277 | 25.0 | 20.6 | 30.8 |

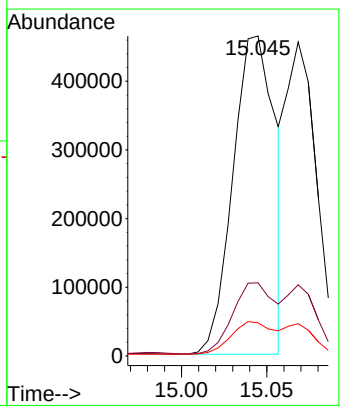


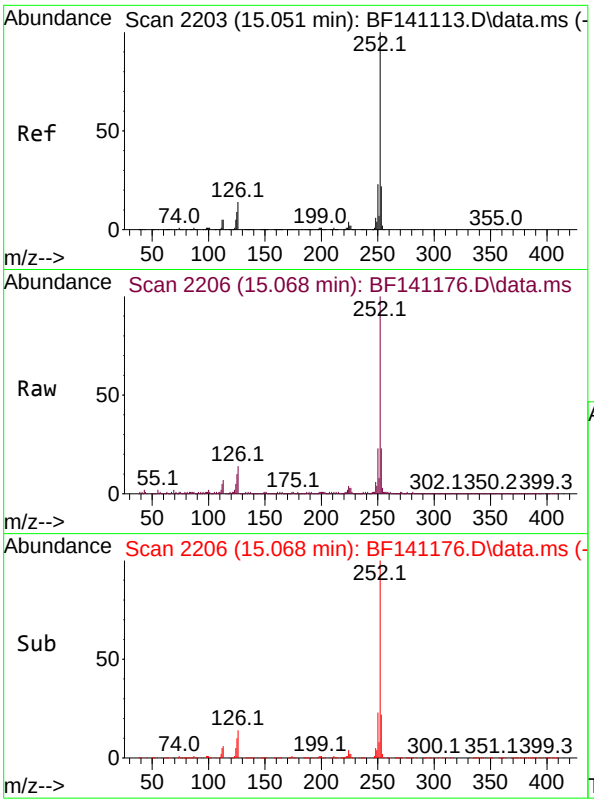




#88
Benzo(b)fluoranthene
Concen: 48.220 ng
RT: 15.045 min Scan# 2202
Delta R.T. 0.024 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:252 Resp: 796990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.8 | 26.6 |
| 125 | 10.4 | 8.1 | 12.1 |



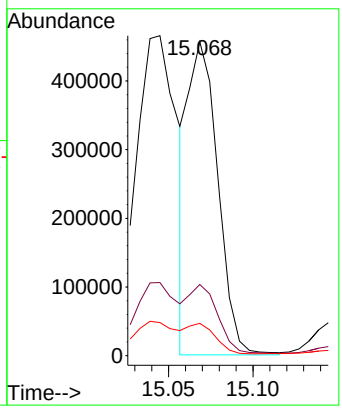


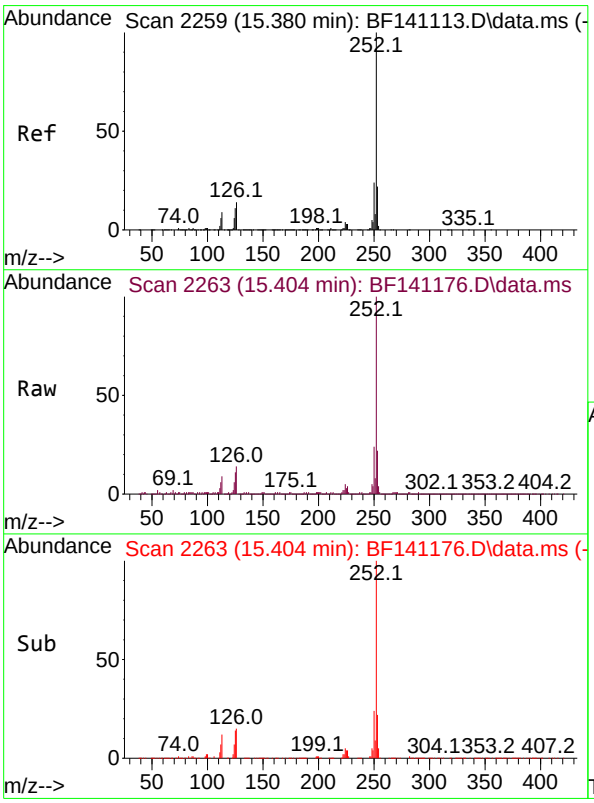

#89
Benzo(k)fluoranthene
Concen: 40.280 ng m
RT: 15.068 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:252 Resp: 562619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.8 | 26.8 |
| 125 | 10.3 | 7.9 | 11.9 |

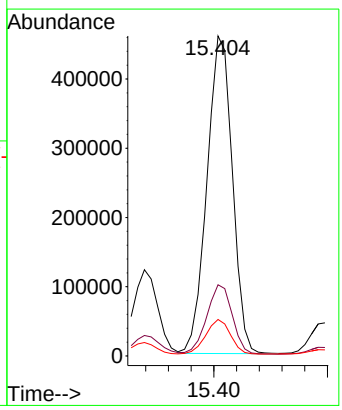


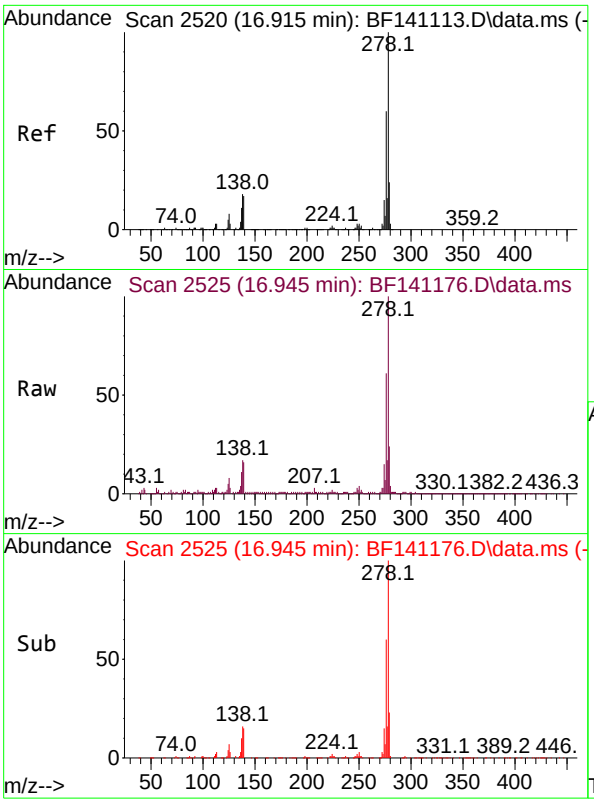




#90
Benzo(a)pyrene
Concen: 52.390 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.024 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:252 Resp: 714424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.7 | 26.5 |
| 125 | 11.4 | 9.1 | 13.7 |



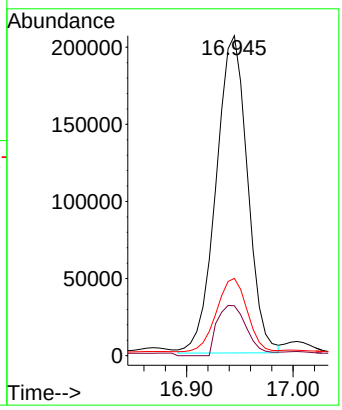


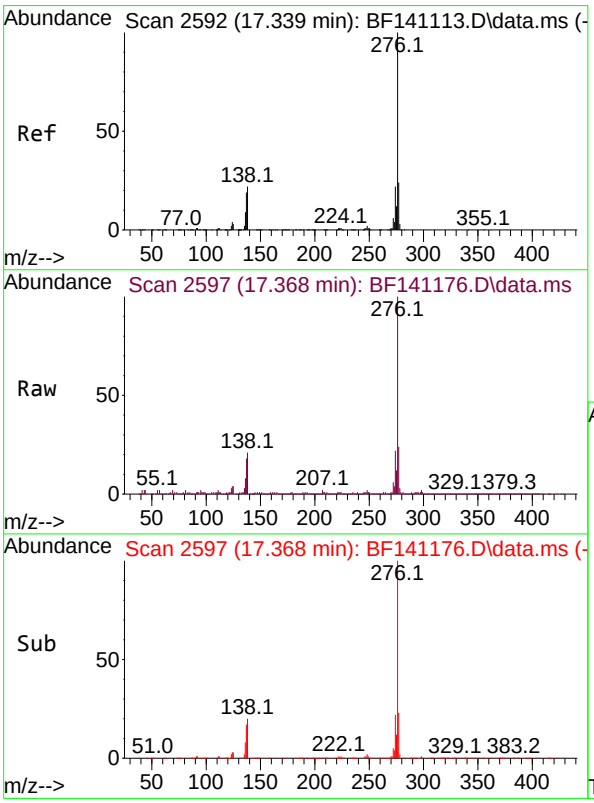

#91
Dibenzo(a,h)anthracene
Concen: 27.827 ng
RT: 16.945 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:278 Resp: 422648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.6 | 13.8 | 20.6 |
| 279 | 24.2 | 19.1 | 28.7 |

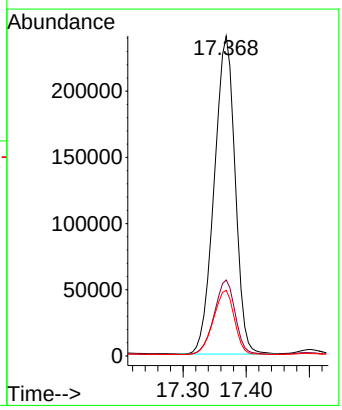



#92
Benzo(g,h,i)perylene
Concen: 34.878 ng
RT: 17.368 min Scan# 2597
Delta R.T. 0.029 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:276 Resp: 551001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 19.0 | 28.4 |
| 138 | 20.5 | 17.4 | 26.2 |



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# Manual Integration Report

| Sequence: | BF011025 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDICC050 | BF141117.D | Caprolactam | yogesh | 1/13/2025 12:24:19 AM | Jagrut | 1/13/2025 11:53:40 AM | Peak Integrated by Software |
| SSTDICC080 | BF141119.D | Aniline | yogesh | 1/13/2025 12:24:20 AM | Jagrut | 1/13/2025 11:53:42 AM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | BF011525 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| PB166035BS | BF141165.D | Caprolactam | Jagrut | 1/15/2025 5:54:52 PM | mohammad | 1/16/2025 7:51:52 AM | Peak Integrated by Software |
| PB166061BS | BF141172.D | Caprolactam | Jagrut | 1/15/2025 5:55:02 PM | mohammad | 1/16/2025 7:51:52 AM | Peak Integrated by Software |
| Q1068-01MS | BF141175.D | Benzo(k)fluoranthene | Jagrut | 1/15/2025 5:55:05 PM | mohammad | 1/16/2025 7:51:52 AM | Peak Integrated by Software |
| Q1068-01MS | BF141175.D | Benzoic acid | Jagrut | 1/15/2025 5:55:05 PM | mohammad | 1/16/2025 7:51:52 AM | Peak Integrated by Software |
| Q1068-01MSD | BF141176.D | Benzo(k)fluoranthene | Jagrut | 1/15/2025 5:55:08 PM | mohammad | 1/16/2025 7:51:52 AM | Peak Integrated by Software |
| Q1068-01MSD | BF141176.D | Benzoic acid | Jagrut | 1/15/2025 5:55:08 PM | mohammad | 1/16/2025 7:51:52 AM | Peak Integrated by Software |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF011025

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | yogesh | Review On | 1/13/2025 12:24:27 AM | | | | |
| Supervise By | Jagrut | Supervise On | 1/13/2025 11:38:11 AM | | | | |
| SubDirectory | BF011025 | HP Acquire Method | BNA_F | | HP Processing Method | bf011025 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6701 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12647,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF141108.D | 10 Jan 2025 11:32 | RC/JU | Ok |
| 2 | SSTDICC2.5 | BF141109.D | 10 Jan 2025 11:58 | RC/JU | Ok |
| 3 | SSTDICC005 | BF141110.D | 10 Jan 2025 12:25 | RC/JU | Ok |
| 4 | SSTDICC010 | BF141111.D | 10 Jan 2025 13:17 | RC/JU | Ok |
| 5 | SSTDICC020 | BF141112.D | 10 Jan 2025 14:10 | RC/JU | Ok |
| 6 | SSTDICCC040 | BF141113.D | 10 Jan 2025 14:36 | RC/JU | Ok |
| 7 | SSTDICC050 | BF141114.D | 10 Jan 2025 15:03 | RC/JU | Not Ok |
| 8 | SSTDICC060 | BF141115.D | 10 Jan 2025 15:29 | RC/JU | Not Ok |
| 9 | SSTDICC080 | BF141116.D | 10 Jan 2025 15:56 | RC/JU | Not Ok |
| 10 | SSTDICC050 | BF141117.D | 10 Jan 2025 16:53 | RC/JU | Ok,M |
| 11 | SSTDICC060 | BF141118.D | 10 Jan 2025 17:19 | RC/JU | Ok |
| 12 | SSTDICC080 | BF141119.D | 10 Jan 2025 17:45 | RC/JU | Ok,M |
| 13 | SSTDICV040 | BF141120.D | 10 Jan 2025 18:12 | RC/JU | Ok |
| 14 | PB166008BL | BF141121.D | 10 Jan 2025 18:38 | RC/JU | Ok |

M : Manual Integration

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF011525

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 1/15/2025 5:55:24 PM | | | | |
| Supervise By | mohammad | Supervise On | 1/16/2025 7:51:52 AM | | | | |
| SubDirectory | BF011525 | HP Acquire Method | BNA_F | | HP Processing Method | bf011025 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12647,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF141162.D | 15 Jan 2025 09:08 | RC/JU | Ok |
| 2 | SSTDCCC040 | BF141163.D | 15 Jan 2025 09:34 | RC/JU | Ok |
| 3 | PB166052BL | BF141164.D | 15 Jan 2025 10:00 | RC/JU | Ok |
| 4 | PB166035BS | BF141165.D | 15 Jan 2025 10:26 | RC/JU | Ok,M |
| 5 | PB166026TB | BF141166.D | 15 Jan 2025 10:52 | RC/JU | Ok |
| 6 | PB166008BS | BF141167.D | 15 Jan 2025 11:19 | RC/JU | Ok,M |
| 7 | PB166008BSD | BF141168.D | 15 Jan 2025 11:45 | RC/JU | Ok,M |
| 8 | PB166035BL | BF141169.D | 15 Jan 2025 12:11 | RC/JU | Ok |
| 9 | PB166052BS | BF141170.D | 15 Jan 2025 12:38 | RC/JU | Ok,M |
| 10 | PB166061BL | BF141171.D | 15 Jan 2025 13:12 | RC/JU | Ok |
| 11 | PB166061BS | BF141172.D | 15 Jan 2025 13:38 | RC/JU | Ok,M |
| 12 | Q1069-01 | BF141173.D | 15 Jan 2025 14:13 | RC/JU | ReRun |
| 13 | Q1069-01RX | BF141174.D | 15 Jan 2025 14:39 | RC/JU | Confirms |
| 14 | Q1068-01MS | BF141175.D | 15 Jan 2025 15:05 | RC/JU | Ok,M |
| 15 | Q1068-01MSD | BF141176.D | 15 Jan 2025 16:40 | RC/JU | Ok,M |
| 16 | SSTDCCC040 | BF141177.D | 15 Jan 2025 17:10 | RC/JU | Ok |

M : Manual Integration

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF011025

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 1/13/2025 12:24:27 AM | | |
| Supervise By | Jagrut | Supervise On | 1/13/2025 11:38:11 AM | | |
| SubDirectory | BF011025 | HP Acquire Method | BNA_F | HP Processing Method | bf011025 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6701 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12647,10ul/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 | BF141108.D | 10 Jan 2025 11:32 | | RC/JU | Ok |
| 2 | SSTDICC2.5 | SSTDICC2.5 | BF141109.D | 10 Jan 2025 11:58 | | RC/JU | Ok |
| 3 | SSTDICC005 | SSTDICC005 | BF141110.D | 10 Jan 2025 12:25 | Compound #54 removed from 5ppm | RC/JU | Ok |
| 4 | SSTDICC010 | SSTDICC010 | BF141111.D | 10 Jan 2025 13:17 | | RC/JU | Ok |
| 5 | SSTDICC020 | SSTDICC020 | BF141112.D | 10 Jan 2025 14:10 | | RC/JU | Ok |
| 6 | SSTDICCC040 | SSTDICCC040 | BF141113.D | 10 Jan 2025 14:36 | The Calibration is Good For 8270 DOD and good for 625.1 Method | RC/JU | Ok |
| 7 | SSTDICC050 | SSTDICC050 | BF141114.D | 10 Jan 2025 15:03 | Not Used | RC/JU | Not Ok |
| 8 | SSTDICC060 | SSTDICC060 | BF141115.D | 10 Jan 2025 15:29 | Not Used | RC/JU | Not Ok |
| 9 | SSTDICC080 | SSTDICC080 | BF141116.D | 10 Jan 2025 15:56 | Not Used | RC/JU | Not Ok |
| 10 | SSTDICC050 | SSTDICC050 | BF141117.D | 10 Jan 2025 16:53 | | RC/JU | Ok,M |
| 11 | SSTDICC060 | SSTDICC060 | BF141118.D | 10 Jan 2025 17:19 | | RC/JU | Ok |
| 12 | SSTDICC080 | SSTDICC080 | BF141119.D | 10 Jan 2025 17:45 | Compound #9 removed from 80ppm | RC/JU | Ok,M |
| 13 | SSTDICV040 | ICVBF011025 | BF141120.D | 10 Jan 2025 18:12 | Com# 69 & 77 failed in ICV for DOD | RC/JU | Ok |
| 14 | PB166008BL | PB166008BL | BF141121.D | 10 Jan 2025 18:38 | | RC/JU | Ok |

M : Manual Integration

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF011525

| | | | | | |
|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 1/15/2025 5:55:24 PM | | |
| Supervise By | mohammad | Supervise On | 1/16/2025 7:51:52 AM | | |
| SubDirectory | BF011525 | HP Acquire Method | BNA_F | HP Processing Method | bf011025 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12647,10ul/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 | BF141162.D | 15 Jan 2025 09:08 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BF141163.D | 15 Jan 2025 09:34 | | RC/JU | Ok |
| 3 | PB166052BL | PB166052BL | BF141164.D | 15 Jan 2025 10:00 | | RC/JU | Ok |
| 4 | PB166035BS | PB166035BS | BF141165.D | 15 Jan 2025 10:26 | | RC/JU | Ok,M |
| 5 | PB166026TB | PB166026TB | BF141166.D | 15 Jan 2025 10:52 | | RC/JU | Ok |
| 6 | PB166008BS | PB166008BS | BF141167.D | 15 Jan 2025 11:19 | | RC/JU | Ok,M |
| 7 | PB166008BSD | PB166008BSD | BF141168.D | 15 Jan 2025 11:45 | | RC/JU | Ok,M |
| 8 | PB166035BL | PB166035BL | BF141169.D | 15 Jan 2025 12:11 | | RC/JU | Ok |
| 9 | PB166052BS | PB166052BS | BF141170.D | 15 Jan 2025 12:38 | | RC/JU | Ok,M |
| 10 | PB166061BL | PB166061BL | BF141171.D | 15 Jan 2025 13:12 | | RC/JU | Ok |
| 11 | PB166061BS | PB166061BS | BF141172.D | 15 Jan 2025 13:38 | | RC/JU | Ok,M |
| 12 | Q1069-01 | RW7B-CARBON-2025( | BF141173.D | 15 Jan 2025 14:13 | Surrogate Fail - RE EXTRACTION. | RC/JU | ReRun |
| 13 | Q1069-01RX | RW7B-CARBON-2025( | BF141174.D | 15 Jan 2025 14:39 | Surrogate Fail | RC/JU | Confirms |
| 14 | Q1068-01MS | TR-06-1-10-2025MS | BF141175.D | 15 Jan 2025 15:05 | | RC/JU | Ok,M |
| 15 | Q1068-01MSD | TR-06-1-10-2025MSD | BF141176.D | 15 Jan 2025 16:40 | | RC/JU | Ok,M |
| 16 | SSTDCCC040 | SSTDCCC040EC | BF141177.D | 15 Jan 2025 17:10 | | RC/JU | Ok |

M : Manual Integration

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 1/13/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 16:30
**In Date:** 01/10/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:00
**Out Date:** 01/11/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB134230

| 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 |
|---|---|---|---|---|---|---|---|---|
| Q1060-05 | SVOC-GPC-BLANK | 1 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1060-06 | PEST-GPC-BLANK | 2 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1060-07 | PEST-GPC-BLANK-SPIKE | 3 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1060-08 | PCB-GPC-BLANK | 4 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1060-09 | PCB-GPC-BLANK-SPIKE | 5 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1060-10 | SVOC-GPC2-BLANK | 6 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1060-11 | PEST-GPC2-BLANK | 7 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1060-12 | PEST-GPC2-BLANK-SPIKE | 8 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1060-13 | PCB-GPC2-BLANK | 9 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1060-14 | PCB-GPC2-BLANK-SPIKE | 10 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1064-01 | LAW-25-0003 | 11 | 1.14 | 8.60 | 9.74 | 8.75 | 88.5 | |
| Q1065-01 | MOO-25-0002 | 12 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | debris |
| Q1067-01 | PIPE-1 | 13 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| Q1067-02 | PIPE-2 | 14 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| Q1067-03 | PIPE-3 | 15 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| Q1068-01 | TR-06-1-10-2025 | 16 | 1.15 | 8.84 | 9.99 | 9.15 | 90.5 | |
| Q1068-02 | TR-06-1-10-2025 | 17 | 1.15 | 8.84 | 9.99 | 9.15 | 90.5 | |
| Q1068-03 | TR-06-1-10-2025 | 18 | 1.19 | 8.70 | 9.89 | 9.03 | 90.1 | |
| Q1069-01 | RW7B-CARBON-20250109 | 19 | 1.17 | 8.65 | 9.82 | 5.98 | 55.6 | |

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

# WORKLIST(Hardcopy Internal Chain)

JB 134230

**WorkList Name :** %1-011025 **WorkList ID :** 186855 **Department :** Wet-Chemistry **Date :** 01-10-2025 08:31:51

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1060-05 | SVOC-GPC-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | M11 | 01/10/2025 | Chemtech -SO |
| Q1060-06 | PEST-GPC-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | M11 | 01/10/2025 | Chemtech -SO |
| Q1060-07 | PEST-GPC-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | CHEM02 | M11 | 01/10/2025 | Chemtech -SO |
| Q1060-08 | PCB-GPC-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | M11 | 01/10/2025 | Chemtech -SO |
| Q1060-09 | PCB-GPC-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | CHEM02 | M11 | 01/10/2025 | Chemtech -SO |
| Q1060-10 | SVOC-GPC2-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | M11 | 01/10/2025 | Chemtech -SO |
| Q1060-11 | PEST-GPC2-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | M11 | 01/10/2025 | Chemtech -SO |
| Q1060-12 | PEST-GPC2-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | CHEM02 | M11 | 01/10/2025 | Chemtech -SO |
| Q1060-13 | PCB-GPC2-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | M11 | 01/10/2025 | Chemtech -SO |
| Q1060-14 | PCB-GPC2-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | CHEM02 | M11 | 01/10/2025 | Chemtech -SO |
| Q1064-01 | LAW-25-0003 | Solid | Percent Solids | Cool 4 deg C | CHEM02 | M11 | 01/10/2025 | Chemtech -SO |
| Q1065-01 | MOO-25-0002 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | M11 | 01/10/2025 | Chemtech -SO |
| Q1067-01 | PIPE-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | M11 | 01/10/2025 | Chemtech -SO |
| Q1067-02 | PIPE-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | M11 | 01/10/2025 | Chemtech -SO |
| Q1067-03 | PIPE-3 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | M11 | 01/10/2025 | Chemtech -SO |
| Q1068-01 | TR-06-1-10-2025 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | M11 | 01/10/2025 | Chemtech -SO |
| Q1068-02 | TR-06-1-10-2025 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | M11 | 01/10/2025 | Chemtech -SO |
| Q1068-03 | TR-06-1-10-2025 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | M11 | 01/10/2025 | Chemtech -SO |
| Q1069-01 | RW7B-CARBON-20250109 | Solid | Percent Solids | Cool 4 deg C | TETR06 | M11 | 01/09/2025 | Chemtech -SO |

**Date/Time** 01-10-25 15:30

**Raw Sample Received by:** [signature]

**Raw Sample Relinquished by:** [signature]



**Date/Time** 01.10.25 17:00

**Raw Sample Received by:** [signature]

**Raw Sample Relinquished by:** [signature]

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB166035

| | | | | | |
|---|---|---|---|---|---|
| **SOP ID:** | M3541-ASE Extraction-14 | | | | |
| **Clean Up SOP #:** | N/A | | | **Extraction Start Date :** | 01/13/2025 |
| **Matrix :** | Solid | | | **Extraction Start Time :** | 08:54 |
| **Weigh By:** | RS | **Extraction By:** | RS | **Extraction End Date :** | 01/13/2025 |
| **Balance check:** | EH | **Filter By:** | RS | **Extraction End Time :** | 12:10 |
| **Balance ID:** | EX-SC-2 | **pH Meter ID:** | N/A | **Concentration By:** | BH |
| **pH Strip Lot#:** | N/A | **Hood ID:** | 3,7 | **Supervisor By :** | rajesh |

**Extraction Method:** [_] Seperatory Funnel [_] Continious Liquid/Liquid [_] Sonication [_] Waste Dilution [√] Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Surrogate | 1.0ML | 100/150 PPM | SP6638 |
| MDL 1 | 1.0ML | N/A | SP6706 |
| MDL 2 | 1.0ML | N/A | SP6708 |
| 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 | EP2577 |
| Methylene Chloride | N/A | E3848 |
| 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 |

**Extraction Conformance/Non-Conformance Comments:**

1.5 ML Vial# 2210673.

| | | | |
|---|---|---|---|
| **KD Bath ID:** | N/A | **Envap ID:** | NEVAP-02 |
| **KD Bath Temperature:** | N/A | **Envap Temperature:** | 40 °C |

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 01/13/25 | RP (Ext. Lab) | AC/SVOC |
| 12:15 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB166035**

**Analytical Method:** M3541-ASE Extraction-14

**Concentration Date:** 01/13/2025

| Sample ID | Client Sample ID | Test | (g) mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB166035BL | SBLK035 | SVOC-TCL BNA -20 | 30.03 | N/A | ritesh | Evelyn | 1 | | | U6-1 |
| PB166035BS | SLCS035 | SVOC-TCL BNA -20 | 30.02 | N/A | ritesh | Evelyn | 1 | | | 2 |
| Q1068-01 | TR-06-1-10-2025 | SVOC-TCL BNA -20 | 50.08 | N/A | ritesh | Evelyn | 1 | A | | 3 |
| Q1068-01MS | TR-06-1-10-2025MS | SVOC-TCL BNA -20 | 50.04 | N/A | ritesh | Evelyn | 1 | A | | 4 |
| Q1068-01MSD | TR-06-1-10-2025MSD | SVOC-TCL BNA -20 | 50.02 | N/A | ritesh | Evelyn | 1 | A | | 5 |
| Q1069-01 | RW7B-CARBON-20250109 | SVOC-TCL BNA -20 | 30.03 | N/A | ritesh | Evelyn | 1 | A | | 6 |

* **Extracts relinquished on the same date as received.**

1/13/25

166039
8-3-y BW

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q1069 **WorkList ID :** 186880 **Department :** Extraction **Date :** 01-13-2025 08:12:04

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1068-01 | TR-06-1-10-2025 | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | M11 | 01/10/2025 | 8081B |
| Q1068-01 | TR-06-1-10-2025 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | M11 | 01/10/2025 | 8270E |
| Q1069-01 | RW7B-CARBON-20250109 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | TETR06 | M11 | 01/09/2025 | 8270E |

**Date/Time** 01/13/25 8:50

**Raw Sample Received by:** RJ (Eet (ors)

**Raw Sample Relinquished by:** JD (SM)



**Date/Time** 01/13/25 9:10

**Raw Sample Received by:** JD (SM)

**Raw Sample Relinquished by:** RJ (Sok (ors)

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB166061

| | | | | | |
|---|---|---|---|---|---|
| **SOP ID:** | M3541-ASE Extraction-14 | | | | |
| **Clean Up SOP #:** | N/A | | | **Extraction Start Date :** | 01/15/2025 |
| **Matrix :** | Solid | | | **Extraction Start Time :** | 09:15 |
| **Weigh By:** | RJ | **Extraction By:** | RJ | **Extraction End Date :** | 01/15/2025 |
| **Balance check:** | RJ | **Filter By:** | RJ | **Extraction End Time :** | 12:15 |
| **Balance ID:** | EX-SC-2 | **pH Meter ID:** | N/A | **Concentration By:** | RS |
| **pH Strip Lot#:** | N/A | **Hood ID:** | 3,7 | **Supervisor By :** | rajesh |

**Extraction Method:** [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Spike Sol 1 | 1.0ML | 50/100 PPM | SP6681 |
| Surrogate | 1.0ML | 100/150 PPM | SP6638 |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| MeCl2/Acetone/1:1 | N/A | EP2578 |
| Baked Na2SO4 | N/A | EP2577 |
| 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 |

**Extraction Conformance/Non-Conformance Comments:**

1.5 ML Vial lot # 2210673.

| | | | |
|---|---|---|---|
| **KD Bath ID:** | N/A | **Envap ID:** | NEVAP-02 |
| **KD Bath Temperature:** | N/A | **Envap Temperature:** | 40 °C |

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 01/15/25 | RJ (Extract) | RC/SVOC |
| 12:20 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB166061**

**Analytical Method:** M3541-ASE Extraction-14

**Concentration Date:** 01/15/2025

| Sample ID | Client Sample ID | Test | (g) mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB166061BL | SBLK061 | SVOC-TCL BNA -20 | 30.02 | N/A | ritesh | Evelyn | 1 | | | U2-1 |
| PB166061BS | SLCS061 | SVOC-TCL BNA -20 | 30.01 | N/A | ritesh | Evelyn | 1 | | | 2 |
| Q1069-01 | RW7B-CARBON-20250109 | SVOC-TCL BNA -20 | 30.07 | N/A | ritesh | Evelyn | 1 | D | | 3 |

* **Extracts relinguished on the same date as received.**

1/15/25

# CHEMTECH

284 Sheffield Street, Mountainside NJ 07092

## RE-EXTRACTION NOTIFICATION

DATE: 01/15/25 Initiated by: JY

Fraction: SVOC

Reason: ✓ Low Surrogate Recovery

____ Other _____

| Samples affected: | Matrix | Sample Date | Prep. Batch | Extra Sample Yes No | Verified By | New Prep. Batch |
|---|---|---|---|---|---|---|
| S 1069-01 | Soil | 01-09-25 | PB166035 | Yes | R | ~~# 166034~~ 166061 R1 1/15 |

R 1/15/25

Extraction Supervisor Signature: _____ Date: 01/15/25

Form Initiator's Signature: JY Date: 01/15/25

QA Control # A3041248

(166061)
9:15

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** q1069s **WorkList ID :** 186915 **Department :** Extraction **Date :** 01-15-2025 09:09:27

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1069-01 | RW7B-CARBON-20250109 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | TETR06 | M11 | 01/09/2025 | 8270E |

**Date/Time** 01/15/25 9:10
**Raw Sample Received by:** RS (Ext Only)
**Raw Sample Relinquished by:** JDCSM)



**Date/Time** 01/15/25 9:30
**Raw Sample Received by:** JDCSM)
**Raw Sample Relinquished by:** RS (Ext Only)

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# Prep Standard - Chemical Standard Summary

**Order ID :** Q1069

**Test :** SVOC-TCL BNA -20

**Prepbatch ID :** PB166035,PB166061,

**Sequence ID/Qc Batch ID:** BF011425,BF011525,

**Standard ID :**
EP2577,EP2578,SP6638,SP6672,SP6673,SP6674,SP6675,SP6676,SP6677,SP6678,SP6679,SP6680,SP6681,SP6685,SP6686,SP6701,SP6705,SP6706,SP6708,SP6717,

**Chemical ID :**
10ul/1000ul sample,E2865,E3551,E3815,E3827,E3828,E3846,E3848,E3871,S10103,S10246,S10247,S10393,S10583,S10978,S10979,S10980,S11004,S11005,S11006,S11007,S11008,S11009,S11010,S11074,S11085,S11086,S11093,S11099,S11103,S11138,S11141,S11160,S11494,S11495,S11649,S11776,S11777,S11778,S11779,S11780,S11781,S12079,S12113,S12114,S12134,S12135,S12136,S12137,S12138,S12139,S12140,S12141,S12142,S12187,S12188,S12189,S12207,S12208,S12275,S12276,S12327,S12461,S12462,S12463,S12464,S12465,S12466,S12467,S12468,S12469,S12470,S12510,S12511,S12512,S12513,S12514,S12515,S12516,S12517,S12518,S12647,S12790,

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# Extractions STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3923 | Baked Sodium Sulfate | EP2577 | 01/06/2025 | 07/01/2025 | Rajesh Parikh | Extraction_SCALE_2 (EX-SC-2) | None | RUPESHKUMAR SHAH 01/06/2025 |

**FROM** 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 2017 | 1:1 ACETONE/METHYLENE CHLORIDE | EP2578 | 01/06/2025 | 06/18/2025 | Rajesh Parikh | None | None | RUPESHKUMAR SHAH 01/06/2025 |

**FROM** 8000.00000ml of E3846 + 8000.00000ml of E3848 = Final Quantity: 16000.000 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 19 | 8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID | SP6638 | 10/10/2024 | 04/04/2025 | Jagrut Upadhyay | None | None | mohammad ahmed 10/18/2024 |

**FROM** 1930.00000ml of E3815 + 5.00000ml of S10978 + 5.00000ml of S10979 + 5.00000ml of S10980 + 5.00000ml of S11004 + 5.00000ml of S11005 + 5.00000ml of S11006 + 5.00000ml of S11007 + 5.00000ml of S11008 + 5.00000ml of S11009 + 5.00000ml of S11010 + 5.00000ml of S12187 + 5.00000ml of S12188 + 5.00000ml of S12189 + 5.00000ml of S12207 = Final Quantity: 2000.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3764 | 8270/625 Stock solution 100 ng | SP6672 | 11/12/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.05000ml of S12114 + 0.20000ml of S11093 + 0.20000ml of S11494 + 0.20000ml of S11495 + 0.20000ml of S12276 + 0.26700ml of S10103 + 0.40000ml of S11103 + 0.40000ml of S12275 + 0.45000ml of S12113 + 0.50000ml of S11085 + 0.50000ml of S11086 + 0.50000ml of S12079 + 0.50000ml of S12790 + 0.80000ml of S11160 + 1.00000ml of S11099 + 3.83300ml of E3828 = Final Quantity: 10.000 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 413 | 80 ng BNA ICC, 80 PPM | SP6673 | 11/12/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.01000ml of S12327 + 0.20000ml of E3828 + 0.80000ml of SP6672 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 412 | 60 ng BNA ICC, 60 PPM | SP6674 | 11/12/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.01000ml of S12327 + 0.40000ml of E3828 + 0.60000ml of SP6672 = Final Quantity: 1.010 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 411 | 50 ng BNA ICC, 50 PPM | SP6675 | 11/12/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.01000ml of S12327 + 0.50000ml of E3828 + 0.50000ml of SP6672 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 410 | 40 ng BNA ICC, 40 PPM | SP6676 | 11/12/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6672 = Final Quantity: 1.010 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3678 | 20 ng BNA ICC, 20 PPM | SP6677 | 11/12/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.01000ml of S12327 + 0.80000ml of E3828 + 0.20000ml of SP6672 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 408 | 10 ng BNA ICC, 10 PPM | SP6678 | 11/12/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.01000ml of S12327 + 0.90000ml of E3828 + 0.10000ml of SP6672 = Final Quantity: 1.010 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 407 | 5 ng BNA ICC, 5 PPM | SP6679 | 11/12/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.01000ml of S12327 + 0.95000ml of E3828 + 0.05000ml of SP6672 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 175 | 2.5 ng BNA ICC, 2.5 PPM | SP6680 | 11/12/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.01000ml of S12327 + 0.50000ml of E3828 + 0.50000ml of SP6679 = Final Quantity: 1.010 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 171 | 8270/625 Spike Solution, 50/100 PPM | SP6681 | 11/14/2024 | 02/12/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 11/18/2024 |

**FROM** 0.20000ml of S12142 + 0.40000ml of S10393 + 0.40000ml of S10583 + 0.40000ml of S11138 + 0.40000ml of S11141 + 0.40000ml of S11649 + 0.40000ml of S11776 + 0.70000ml of S11780 + 0.80000ml of S12461 + 0.80000ml of S12469 + 0.90000ml of S12510 + 1.00000ml of S12134 + 1.00000ml of S12141 + 1.20000ml of S12462 + 1.20000ml of S12463 + 1.20000ml of S12464 + 1.20000ml of S12465 + 1.20000ml of S12466 + 1.20000ml of S12467 + 1.20000ml of S12468 + 1.30000ml of S11777 + 1.30000ml of S11778 + 1.30000ml of S11779 + 1.30000ml of S12135 + 1.30000ml of S12136 + 1.30000ml of S12137 + 1.30000ml of S12138 + 1.30000ml of S12139 + 1.30000ml of S12140 + 1.30000ml of S12511 + 1.30000ml of S12512 + 1.30000ml of S12513 + 1.30000ml of S12514 + 1.30000ml of S12515 + 1.30000ml of S12516 + 1.30000ml of S12517 + 163.00000ml of E3827 = Final Quantity: 200.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 18 | Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP) | SP6685 | 11/15/2024 | 04/10/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.04000ml of S12189 + 0.08000ml of S12208 + 0.10000ml of S11074 + 0.20000ml of S12142 + 0.20000ml of S12469 + 0.20000ml of S12517 + 1.18000ml of E3828 = Final Quantity: 2.000 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 416 | 40 ng BNA ICV, 40 PPM | SP6686 | 11/15/2024 | 04/10/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6685 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3895 | 50 ug/ml DFTPP 8270E | SP6701 | 12/30/2024 | 01/15/2025 | Rahul Chavli | None | None | mohammad ahmed 01/02/2025 |

**FROM** 0.35000ml of S10247 + 6.65000ml of E3848 = Final Quantity: 7.000 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1366 | LOQ & LOD 20 PPM | SP6705 | 01/03/2025 | 04/30/2025 | Jagrut Upadhyay | None | None | mohammad ahmed 01/03/2025 |

**FROM** 0.20000ml of S11781 + 0.40000ml of S12142 + 0.40000ml of S12470 + 0.40000ml of S12518 + 18.60000ml of E3848 = Final Quantity: 20.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 2082 | LOQ & LOD 4 PPM | SP6706 | 01/03/2025 | 04/30/2025 | Jagrut Upadhyay | None | None | mohammad ahmed 01/03/2025 |

**FROM** 16.00000ml of E3848 + 4.00000ml of SP6705 = Final Quantity: 20.000 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 2081 | LOQ & LOD 8 PPM | SP6708 | 01/03/2025 | 04/30/2025 | Jagrut Upadhyay | None | None | mohammad ahmed 01/03/2025 |

**FROM** 4.80000ml of E3848 + 3.20000ml of SP6705 = Final Quantity: 8.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3895 | 50 ug/ml DFTPP 8270E | SP6717 | 01/15/2025 | 03/31/2025 | Rahul Chavli | None | None | Yogesh Patel 01/16/2025 |

**FROM** 1.00000ml of S10246 + 19.00000ml of E3871 = Final Quantity: 20.000 ml

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-3382-05 / Sand, Purified (cs/4x2.5kg) | 0000243821 | 06/30/2025 | 04/30/2020 / RAJESH | 04/28/2020 / RAJESH | E2865 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| PCI Scientific Supply, Inc. | PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1 | 313201 | 07/01/2025 | 01/03/2024 / Rajesh | 07/20/2023 / Rajesh | E3551 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H1462005 | 04/04/2025 | 10/04/2024 / Rajesh | 10/04/2024 / Rajesh | E3815 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H1462005 | 05/08/2025 | 11/08/2024 / Rajesh | 11/07/2024 / Rajesh | E3827 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 24G0862003 | 05/09/2025 | 11/09/2024 / Rajesh | 11/04/2024 / Rajesh | E3828 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H2762008 | 06/26/2025 | 12/26/2024 / Rajesh | 12/13/2024 / Rajesh | E3846 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 24K1762005 | 06/18/2025 | 12/18/2024 / Rajesh | 12/09/2024 / Rajesh | E3848 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 24K1762005 | 07/14/2025 | 01/14/2025 / Rajesh | 12/27/2024 / Rajesh | E3871 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml | 440246 | 02/08/2025 | 08/08/2024 / Jagrut | 12/09/2021 / Christian | S10103 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL, | A0182667 | 03/31/2025 | 01/15/2025 / Rahul | 03/18/2022 / Christian | S10246 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL, | A0182667 | 01/15/2025 | 07/15/2024 / Rahul | 03/18/2022 / Christian | S10247 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4] | A0185300 | 03/13/2025 | 09/13/2024 / yogesh | 05/18/2022 / Christian | S10393 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555868 / Custom Standard, Benzidine Std [CS 5328-1] | A0186373 | 02/12/2025 | 08/12/2024 / Rahul | 07/05/2022 / Christian | S10583 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0188108 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S10978 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0188108 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S10979 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0188108 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S10980 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11004 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11005 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11006 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11007 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11008 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11009 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11010 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride | A0187043 | 05/15/2025 | 11/15/2024 / Jagrut | 02/06/2023 / Christian | S11074 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days) | 406703 | 03/11/2025 | 09/11/2024 / Rahul | 02/07/2023 / Christian | S11085 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days) | 406703 | 05/12/2025 | 11/12/2024 / Jagrut | 02/07/2023 / Christian | S11086 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days) | 414125 | 02/08/2025 | 08/08/2024 / Jagrut | 02/07/2023 / Christian | S11093 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml | 495831 | 05/12/2025 | 11/12/2024 / Jagrut | 02/07/2023 / Christian | S11099 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days) | 495833 | 02/08/2025 | 08/08/2024 / Jagrut | 02/07/2023 / Christian | S11103 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3] | A0194698 | 02/12/2025 | 08/12/2024 / Rahul | 02/20/2023 / Christian | S11138 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2] | A0194702 | 02/12/2025 | 08/12/2024 / Rahul | 02/20/2023 / Christian | S11141 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days) | 414125 | 05/12/2025 | 11/12/2024 / Jagrut | 03/06/2023 / Christian | S11160 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml | 506889 | 02/08/2025 | 08/08/2024 / Jagrut | 08/11/2023 / Yogesh | S11494 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml | 506889 | 05/12/2025 | 11/12/2024 / Jagrut | 08/11/2023 / Yogesh | S11495 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555872 / Custom Standard, pentachlorophenol Std [CS 5328-5] | A0201728 | 03/13/2025 | 09/13/2024 / anahy | 11/09/2023 / Yogesh | S11649 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride | A0196453 | 03/13/2025 | 09/13/2024 / anahy | 11/21/2023 / Rahul | S11776 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride | A0196453 | 05/14/2025 | 11/14/2024 / Jagrut | 11/21/2023 / Rahul | S11777 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride | A0196453 | 05/14/2025 | 11/14/2024 / Jagrut | 11/21/2023 / Rahul | S11778 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride | A0196453 | 05/14/2025 | 11/14/2024 / Jagrut | 11/21/2023 / Rahul | S11779 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride | A0196453 | 05/14/2025 | 11/14/2024 / Jagrut | 11/21/2023 / Rahul | S11780 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride | A0196453 | 06/26/2025 | 12/26/2024 / Jagrut | 11/21/2023 / Rahul | S11781 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days) | 414127 | 04/24/2025 | 10/24/2024 / Jagrut | 01/31/2024 / Rahul | S12079 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml | 454157 | 02/09/2025 | 08/09/2024 / Jagrut | 03/08/2024 / Rahul | S12113 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml | 454157 | 05/12/2025 | 11/12/2024 / Jagrut | 03/08/2024 / Rahul | S12114 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0203726 | 03/13/2025 | 09/13/2024 / anahy | 03/15/2024 / Rahul | S12134 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0203726 | 04/30/2025 | 11/14/2024 / anahy | 03/15/2024 / Rahul | S12135 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0203726 | 04/30/2025 | 11/14/2024 / anahy | 03/15/2024 / Rahul | S12136 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0203726 | 04/30/2025 | 11/14/2024 / anahy | 03/15/2024 / Rahul | S12137 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0203726 | 04/30/2025 | 11/14/2024 / anahy | 03/15/2024 / Rahul | S12138 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0203726 | 04/30/2025 | 11/14/2024 / anahy | 03/15/2024 / Rahul | S12139 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0203726 | 04/30/2025 | 11/14/2024 / anahy | 03/15/2024 / Rahul | S12140 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0203726 | 04/30/2025 | 11/14/2024 / anahy | 03/15/2024 / Rahul | S12141 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0203726 | 04/30/2025 | 11/14/2024 / anahy | 03/15/2024 / Rahul | S12142 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0206206 | 04/10/2025 | 10/10/2024 / anahy | 03/15/2024 / Rahul | S12187 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0206206 | 04/10/2025 | 10/10/2024 / anahy | 03/15/2024 / Rahul | S12188 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0206206 | 04/10/2025 | 10/10/2024 / anahy | 03/15/2024 / Rahul | S12189 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0206381 | 04/10/2025 | 10/10/2024 / anahy | 03/15/2024 / Rahul | S12207 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0206381 | 05/15/2025 | 11/15/2024 / Jagrut | 03/15/2024 / Rahul | S12208 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days) | 495833 | 03/11/2025 | 09/11/2024 / Rahul | 05/24/2024 / Rahul | S12275 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days) | 495833 | 05/12/2025 | 11/12/2024 / Jagrut | 05/24/2024 / Rahul | S12276 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL | A0206540 | 05/12/2025 | 11/12/2024 / anahy | 05/30/2024 / Rahul | S12327 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 03/13/2025 | 09/13/2024 / anahy | 07/23/2024 / RAHUL | S12461 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12462 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12463 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12464 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12465 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12466 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12467 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12468 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12469 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 05/26/2025 | 11/26/2024 / Jagrut | 07/23/2024 / RAHUL | S12470 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 03/13/2025 | 09/13/2024 / anahy | 07/23/2024 / RAHUL | S12510 |

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

# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12511 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12512 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12513 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12514 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12515 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12516 |

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

# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12517 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 07/03/2025 | 01/03/2025 / Jagrut | 07/23/2024 / RAHUL | S12518 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL | A0212266 | 07/08/2025 | 01/08/2025 / anahy | 09/20/2024 / anahy | S12647 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days) | 414127 | 05/12/2025 | 11/12/2024 / Jagrut | 05/24/2024 / Rahul | S12790 |

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by TUV USA to ISO 9001:2015

Date Received:_____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-010074-07 | 406703 | ≤ -10 °C | Methylene Chloride | 3/30/2025 | 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 3,3'-dichlorobenzidine | 91-94-1 | 99.5 | 74.3.26P | 989 ± 7.53 |

Received on
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricllly.

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Date Received:_____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-010074-07 | 406703 | ≤ -10 °C | Methylene Chloride | 3/30/2025 | 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 3,3'-dichlorobenzidine | 91-94-1 | 99.5 | 74.3.26P | 989 ± 7.53 |

Received on
02/07/23
by
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S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
**Chemist**

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Date Received:_____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-110817-01 | 414125 | ≤ -10 °C | Methylene Chloride | 6/21/2025 | Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| acetophenone | 98-86-2 | 99.2 | 85.8.1P | 998 ± 11.5 |
| benzoic acid | 65-85-0 | 100 | 123.7.1P | 1010 ± 5.88 |
| biphenyl | 92-52-4 | 99.9 | 366.29.1P | 999 ± 5.82 |
| 1,2,4,5-tetrachlorobenzene | 95-94-3 | 99.7 | 53.7.2P | 993 ± 5.79 |

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Date Received:_____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-110817-01 | 414125 | ≤ -10 °C | Methylene Chloride | 6/21/2025 | Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| acetophenone | 98-86-2 | 99.2 | 85.8.1P | 998 ± 11.5 |
| benzoic acid | 65-85-0 | 100 | 123.7.1P | 1010 ± 5.88 |
| biphenyl | 92-52-4 | 99.9 | 366.29.1P | 999 ± 5.82 |
| 1,2,4,5-tetrachlorobenzene | 95-94-3 | 99.7 | 53.7.2P | 993 ± 5.79 |

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
**Chemist**

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# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-112090-04 | 440246 | ≤ -10 °C | Methylene Chloride | 2/16/2026 | CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 2-chlorophenol-$d_4$ | 93951-73-6 | 99.3 | 248.12.7P | 7487 ± 17.2 |
| 2-fluorophenol | 367-12-4 | 99.8 | 10.7.3.3P | 7513 ± 17.26 |
| phenol-d6 | 13127-88-3 | 99.9 | 949.120.8P | 7481 ± 17.19 |
| 2,4,6-tribromophenol | 118-79-6 | 99.8 | 12.1.6P | 7469 ± 17.17 |

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
**Chemist**

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Received on 02/07/23 by CG

~~S11097~~ S11096 to S11099

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Date Received:_____

# Certificate of Analysis

Rev 0



| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-110381-01 | 495831 | ≤ -10 °C | Methylene Chloride | 10/30/2027 | Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| acenaphthene | 83-32-9 | 99.9 | 13.1.5P | 1003 ± 17.27 |
| acenaphthylene | 208-96-8 | 97.6 | 14.290.1P | 999.8 ± 17.22 |
| aniline | 62-53-3 | 99.9 | 64.7.1P | 995 ± 17.13 |
| anthracene | 120-12-7 | 99.5 | 15.7.1P | 1001 ± 17.24 |
| azobenzene | 103-33-3 | 98.1 | 252.7.2P | 999.1 ± 17.21 |
| benzo[a]anthracene | 56-55-3 | 100 | 16.7.3P | 1001 ± 17.24 |
| benzo[b]fluoranthene | 205-99-2 | 99.8 | 17.421.3P | 1001 ± 19.91 |
| benzo[k]fluoranthene | 207-08-9 | 98.9 | 18.421.4P | 1001 ± 17.92 |
| benzo[ghi]perylene | 191-24-2 | 93 | 19.286.4P | 999.6 ± 19.88 |
| benzo[a]pyrene | 50-32-8 | 97 | 20.286.2P | 999.1 ± 26.35 |
| benzyl alcohol | 100-51-6 | 99.9 | 65.18.1P | 1001 ± 17.24 |
| bis(2-chloroethoxy)methane | 111-91-1 | 99.1 | 31.3.15P | 999.7 ± 17.89 |
| bis(2-chloroethyl)ether | 111-44-4 | 99.8 | 32.7.1P | 1001 ± 17.23 |
| bis(2-chloro-1-methylethyl) ether | 108-60-1 | 99.5 | 34.3.13P | 999.5 ± 17.89 |
| bis(2-ethylhexyl)adipate | 103-23-1 | 99.5 | 874.7.1P | 999.5 ± 17.21 |
| bis(2-ethylhexyl)phthalate | 117-81-7 | 99.4 | 33.29.1P | 998.8 ± 19.86 |
| 4-bromophenyl phenyl ether | 101-55-3 | 99.4 | 35.7.1P | 999.1 ± 17.2 |
| butyl benzyl phthalate | 85-68-7 | 98.4 | 36.1.6P | 984.7 ± 19.58 |
| carbazole | 86-74-8 | 99.4 | 239.7.2P | 1000 ± 17.22 |

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Briana Smith

Briana Smith
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

# Certificate of Analysis



**Catalog No.:** Z-110381-01 **Lot No.:** 495831 **Expiration Date:** 10/30/2027

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 1,2,4-trichlorobenzene | 120-82-1 | 99.6 | 54.29.1P | 1000 ± 17.22 |
| 2,4,5-trichlorophenol | 95-95-4 | 96.5 | 121.7.1.1P | 1000 ± 17.22 |
| 2,4,6-trichlorophenol | 88-06-2 | 99.6 | 113.7.1P | 1002 ± 17.25 |

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Certified By: Briana Smith

Briana Smith
**Chemist**

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Date Received:_____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-010442-07 | 495833 | ≤ -10 °C | Methylene Chloride | 1/16/2028 | Benzaldehyde Solution, 1000 mg/L, 1.3 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| benzaldehyde | 100-52-7 | 98.3 | 442.421.1P | 996.8 ± 11.49 |

Received on
02/07/23
by CG

S11101
to
S11103

*Not a certified value

Certified By: S. Hunter

Scott Hunter
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Received on 03/08/22 by CG S10242 to S10247

**Catalog No. :** 31615 **Lot No.:** A0182667

**Description :** GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** March 31, 2025 **Storage:** 10°C or colder

**Handling:** Contains carcinogen/reproductive toxin. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Pentachlorophenol<br>**CAS #** 87-86-5 (Lot 211229RSR)<br>**Purity** 99% | 1,003.6 µg/mL | +/- 5.8897 µg/mL<br>+/- 45.7132 µg/mL<br>+/- 66.0037 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 2 | DFTPP (Decafluorotriphenylphosphine)<br>**CAS #** 5074-71-5 (Lot Q117-147)<br>**Purity** 95% | 1,006.6 µg/mL | +/- 5.9074 µg/mL<br>+/- 45.8508 µg/mL<br>+/- 66.2023 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 3 | Benzidine<br>**CAS #** 92-87-5 (Lot 211228JLM)<br>**Purity** 99% | 1,008.4 µg/mL | +/- 5.9179 µg/mL<br>+/- 45.9318 µg/mL<br>+/- 66.3193 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 4 | 4,4'-DDT<br>**CAS #** 50-29-3 (Lot 210916JLM)<br>**Purity** 99% | 1,007.6 µg/mL | +/- 5.9132 µg/mL<br>+/- 45.8954 µg/mL<br>+/- 66.2667 µg/mL | Gravimetric<br>Unstressed<br>Stressed |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

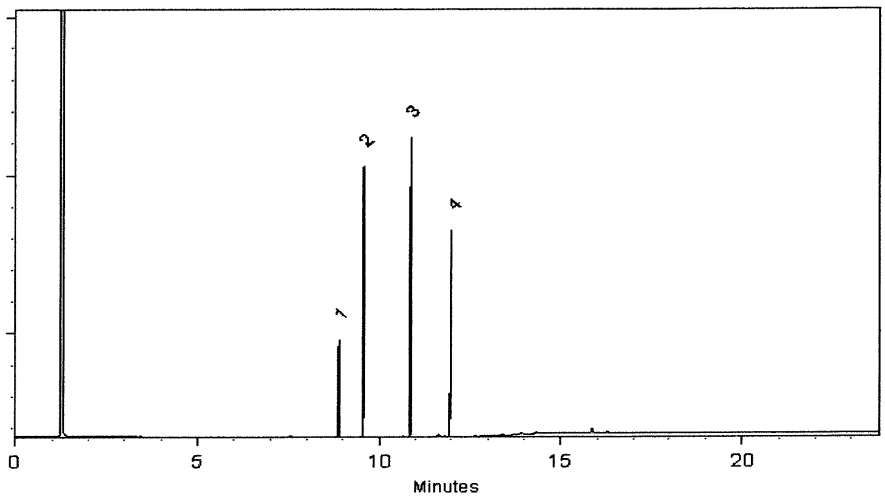
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

**Date Mixed:** 08-Mar-2022 **Balance:** B345965662

Merlina Cowan - Operations Tech I

**Date Passed:** 10-Mar-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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Received on 03/08/22 by CG S10242 to S10247

**Catalog No. :** 31615 **Lot No.:** A0182667

**Description :** GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** March 31, 2025 **Storage:** 10°C or colder

**Handling:** Contains carcinogen/reproductive toxin. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Pentachlorophenol<br>**CAS #** 87-86-5 (Lot 211229RSR)<br>**Purity** 99% | 1,003.6 µg/mL | +/- 5.8897 µg/mL<br>+/- 45.7132 µg/mL<br>+/- 66.0037 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 2 | DFTPP (Decafluorotriphenylphosphine)<br>**CAS #** 5074-71-5 (Lot Q117-147)<br>**Purity** 95% | 1,006.6 µg/mL | +/- 5.9074 µg/mL<br>+/- 45.8508 µg/mL<br>+/- 66.2023 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 3 | Benzidine<br>**CAS #** 92-87-5 (Lot 211228JLM)<br>**Purity** 99% | 1,008.4 µg/mL | +/- 5.9179 µg/mL<br>+/- 45.9318 µg/mL<br>+/- 66.3193 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 4 | 4,4'-DDT<br>**CAS #** 50-29-3 (Lot 210916JLM)<br>**Purity** 99% | 1,007.6 µg/mL | +/- 5.9132 µg/mL<br>+/- 45.8954 µg/mL<br>+/- 66.2667 µg/mL | Gravimetric<br>Unstressed<br>Stressed |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

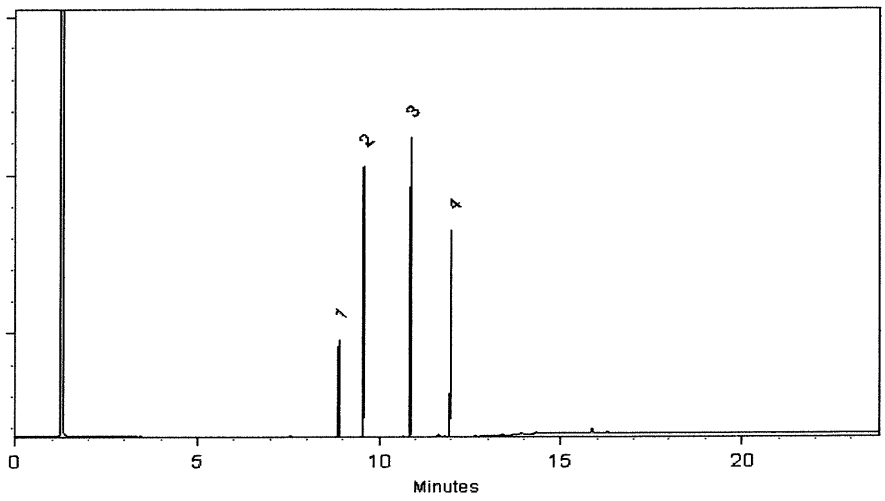
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

**Date Mixed:** 08-Mar-2022 **Balance:** B345965662

Merlina Cowan - Operations Tech I

**Date Passed:** 10-Mar-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Received by CG on 05/19/22

S10393 to S10402

**Catalog No. :** 555871 **Lot No.:** A0185300

**Description :** Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** May 31, 2025 **Storage:** 10°C or colder

**Ship:** Ambient

### CERTIFIED VALUES

| Component # | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | 4-Nitrophenol | 25,060.0 µg/mL | +/- 231.9100 µg/mL | Gravimetric |
| | **CAS #** 100-02-7 (Lot MKCN1089) | | +/- 753.2622 µg/mL | Unstressed |
| | **Purity** 99% | | +/- 905.6020 µg/mL | Stressed |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

Katelyn McGinnis - Operations Tech I

**Date Mixed:** 16-May-2022 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

**General Certified Reference Material Notes**

**Expiration Notes:**

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

**Purity Notes:**

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

**Certified Uncertainty Value Notes:**

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value ( includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

*k* is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

| Label Conditions | Standard Conditions | Non-Standard Conditions |
|---|---|---|
| 25°C Nominal (Room Temperature) | < 60°C | ≥ 60°C up to 7 days |
| 10°C or colder (Refrigerate) | < 40°C | ≥ 40°C up to 7 days |
| 0°C or colder (Freezer)<br>-20°C or colder (Deep Freezer) | < 25°C | ≥ 25°C up to 7 days |

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

**Manufacturing Notes:**

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

**Handling Notes:**

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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# CERTIFIED REFERENCE MATERIAL

## Gravimetric Certificate

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Received by
CG
on
07/05/22
S 10583
to
S 10592

**Catalog No. :** 555868 **Lot No.:** A0186373

**Description :** Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** June 30, 2025 **Storage:** 10°C or colder

**Handling:** Contains carcinogen/reproductive toxin. **Ship:** Ambient

## CERTIFIED VALUES

| Component # | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Benzidine | 25,200.0 µg/mL | +/- 233.2055 µg/mL | Gravimetric |
| | **CAS #** 92-87-5 (Lot 220511RSR) | | +/- 351.6606 µg/mL | Unstressed |
| | **Purity** 99% | | +/- 512.6054 µg/mL | Stressed |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

**General Certified Reference Material Notes**

**Expiration Notes:**

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

**Purity Notes:**

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

**Certified Uncertainty Value Notes:**

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value ( includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

*k* is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

| Label Conditions | Standard Conditions | Non-Standard Conditions |
|---|---|---|
| 25°C Nominal (Room Temperature) | < 60°C | ≥ 60°C up to 7 days |
| 10°C or colder (Refrigerate) | < 40°C | ≥ 40°C up to 7 days |
| 0°C or colder (Freezer)<br>-20°C or colder (Deep Freezer) | < 25°C | ≥ 25°C up to 7 days |

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

**Manufacturing Notes:**

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

**Handling Notes:**

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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Received on 02/06/23 by CG

S11071 to S11075

**Catalog No. :** 31853 **Lot No.:** A0187043

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 2,019.0 µg/mL | +/- 11.8486 | µg/mL | Gravimetric |
| | **CAS #** 123-91-1 (Lot SHBN5929) | | +/- 43.2570 | µg/mL | Unstressed |
| | **Purity** 99% | | +/- 44.5129 | µg/mL | Stressed |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

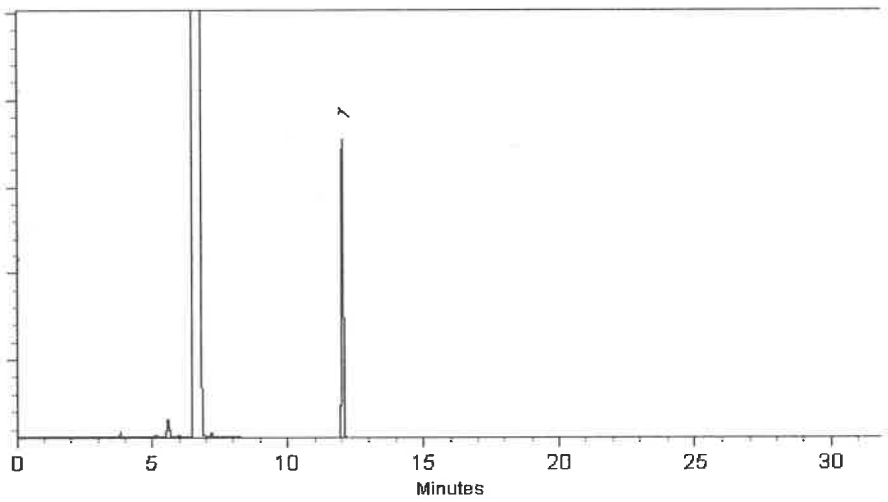
**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

**Date Mixed:** 07-Jul-2022 **Balance:** 1128360905

Marlina Cowan – Operations Tech II ARM QC

**Date Passed:** 12-Jul-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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Received by CG on 12/28/22 S10951 to S10980

**Catalog No. :** 31087 **Lot No.:** A0188108

**Description :** Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** August 31, 2030 **Storage:** 10°C or colder

**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol<br>**CAS #** 367-12-4<br>**Purity** 99% | (Lot STBF3761V) | 10,088.5 µg/mL | +/- 58.6554 µg/mL<br>+/- 294.4162 µg/mL<br>+/- 357.2628 µg/mL | | Gravimetric<br>Unstressed<br>Stressed |
| 2 | Phenol-d6<br>**CAS #** 13127-88-3<br>**Purity** 99% | (Lot PR-31262) | 10,043.3 µg/mL | +/- 58.3923 µg/mL<br>+/- 293.0957 µg/mL<br>+/- 355.6603 µg/mL | | Gravimetric<br>Unstressed<br>Stressed |
| 3 | 2,4,6-Tribromophenol<br>**CAS #** 118-79-6<br>**Purity** 99% | (Lot MKCJ7664) | 10,010.0 µg/mL | +/- 58.1990 µg/mL<br>+/- 292.1253 µg/mL<br>+/- 354.4829 µg/mL | | Gravimetric<br>Unstressed<br>Stressed |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

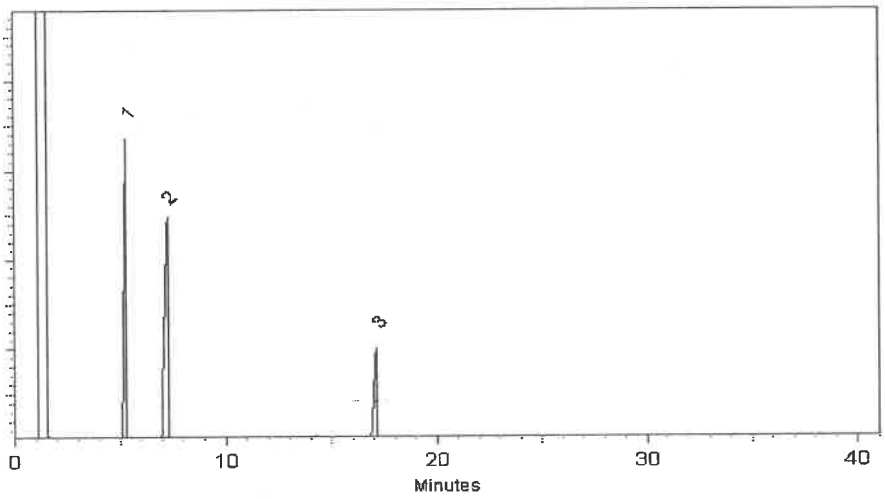
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

**Date Mixed:** 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 05-Aug-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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Received by CG on 12/28/22 S10951 to S10980

**Catalog No. :** 31087 **Lot No.:** A0188108

**Description :** Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** August 31, 2030 **Storage:** 10°C or colder

**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol<br>**CAS #** 367-12-4<br>**Purity** 99% | (Lot STBF3761V) | 10,088.5 µg/mL | +/- 58.6554 µg/mL<br>+/- 294.4162 µg/mL<br>+/- 357.2628 µg/mL | | Gravimetric<br>Unstressed<br>Stressed |
| 2 | Phenol-d6<br>**CAS #** 13127-88-3<br>**Purity** 99% | (Lot PR-31262) | 10,043.3 µg/mL | +/- 58.3923 µg/mL<br>+/- 293.0957 µg/mL<br>+/- 355.6603 µg/mL | | Gravimetric<br>Unstressed<br>Stressed |
| 3 | 2,4,6-Tribromophenol<br>**CAS #** 118-79-6<br>**Purity** 99% | (Lot MKCJ7664) | 10,010.0 µg/mL | +/- 58.1990 µg/mL<br>+/- 292.1253 µg/mL<br>+/- 354.4829 µg/mL | | Gravimetric<br>Unstressed<br>Stressed |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

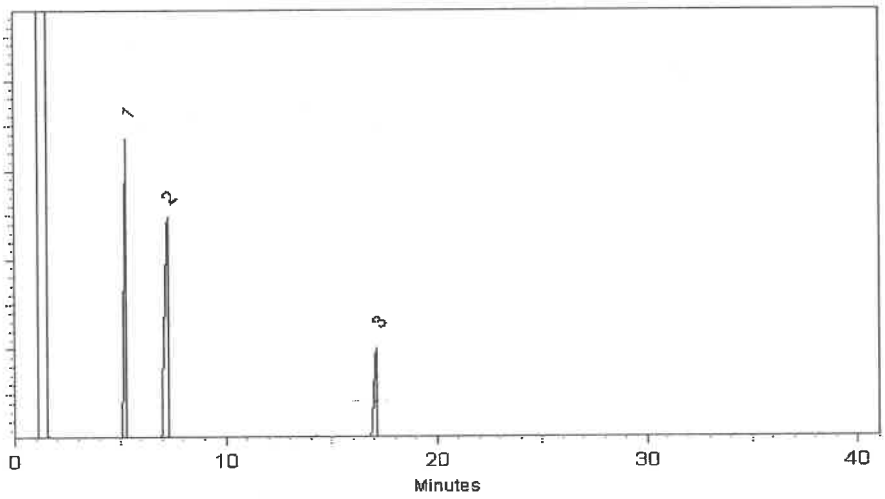
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

**Date Mixed:** 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 05-Aug-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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Received by CG on 12/28/22 S10951 to S10980

**Catalog No. :** 31087 **Lot No.:** A0188108

**Description :** Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** August 31, 2030 **Storage:** 10°C or colder

**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol<br>**CAS #** 367-12-4<br>**Purity** 99% | (Lot STBF3761V) | 10,088.5 µg/mL | +/- 58.6554 µg/mL<br>+/- 294.4162 µg/mL<br>+/- 357.2628 µg/mL | | Gravimetric<br>Unstressed<br>Stressed |
| 2 | Phenol-d6<br>**CAS #** 13127-88-3<br>**Purity** 99% | (Lot PR-31262) | 10,043.3 µg/mL | +/- 58.3923 µg/mL<br>+/- 293.0957 µg/mL<br>+/- 355.6603 µg/mL | | Gravimetric<br>Unstressed<br>Stressed |
| 3 | 2,4,6-Tribromophenol<br>**CAS #** 118-79-6<br>**Purity** 99% | (Lot MKCJ7664) | 10,010.0 µg/mL | +/- 58.1990 µg/mL<br>+/- 292.1253 µg/mL<br>+/- 354.4829 µg/mL | | Gravimetric<br>Unstressed<br>Stressed |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

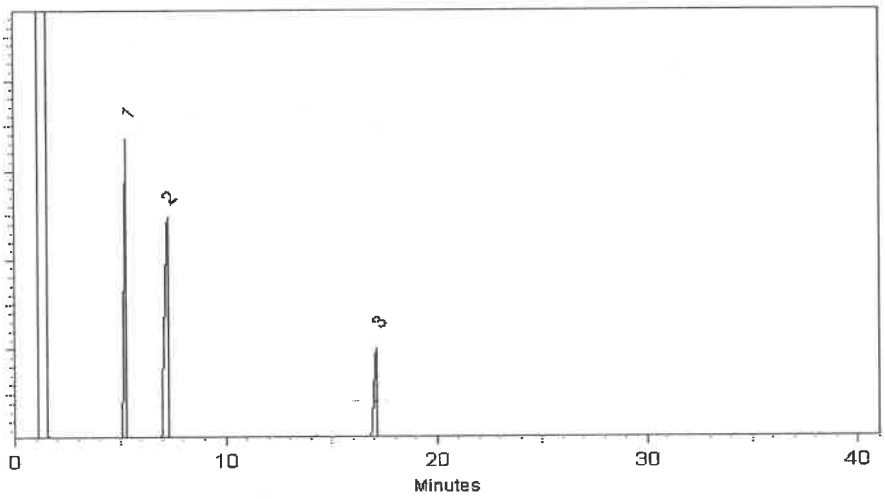
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

**Date Mixed:** 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 05-Aug-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Received by CG on 12/28/22 $10981 to $11010

**Catalog No. :** 31086 **Lot No.:** A0189418

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** August 31, 2028 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Nitrobenzene-d5<br>**CAS #** 4165-60-0 (Lot PR-29940A)<br>**Purity** 99% | 5,009.8 µg/mL | +/- 29.1271 µg/mL<br>+/- 225.6421 µg/mL<br>+/- 250.3778 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 2 | 2-Fluorobiphenyl<br>**CAS #** 321-60-8 (Lot 00021384)<br>**Purity** 99% | 5,026.6 µg/mL | +/- 29.2250 µg/mL<br>+/- 226.4003 µg/mL<br>+/- 251.2191 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 3 | p-Terphenyl-d14<br>**CAS #** 1718-51-0 (Lot PR-30504)<br>**Purity** 99% | 5,027.3 µg/mL | +/- 29.2289 µg/mL<br>+/- 226.4304 µg/mL<br>+/- 251.2524 µg/mL | Gravimetric<br>Unstressed<br>Stressed |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

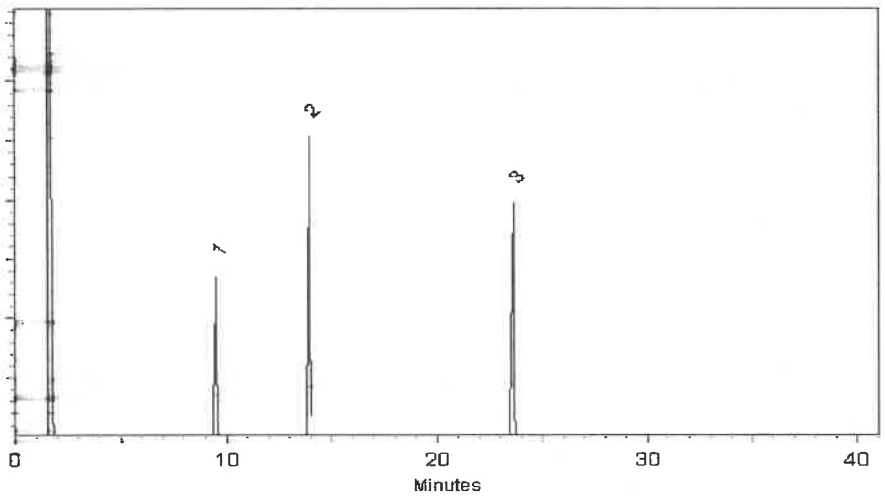
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

**Date Mixed:** 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 13-Sep-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Received by CG on 12/28/22 $10981 to $11010

**Catalog No. :** 31086 **Lot No.:** A0189418

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** August 31, 2028 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Nitrobenzene-d5<br>**CAS #** 4165-60-0 (Lot PR-29940A)<br>**Purity** 99% | 5,009.8 µg/mL | +/- 29.1271 µg/mL<br>+/- 225.6421 µg/mL<br>+/- 250.3778 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 2 | 2-Fluorobiphenyl<br>**CAS #** 321-60-8 (Lot 00021384)<br>**Purity** 99% | 5,026.6 µg/mL | +/- 29.2250 µg/mL<br>+/- 226.4003 µg/mL<br>+/- 251.2191 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 3 | p-Terphenyl-d14<br>**CAS #** 1718-51-0 (Lot PR-30504)<br>**Purity** 99% | 5,027.3 µg/mL | +/- 29.2289 µg/mL<br>+/- 226.4304 µg/mL<br>+/- 251.2524 µg/mL | Gravimetric<br>Unstressed<br>Stressed |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

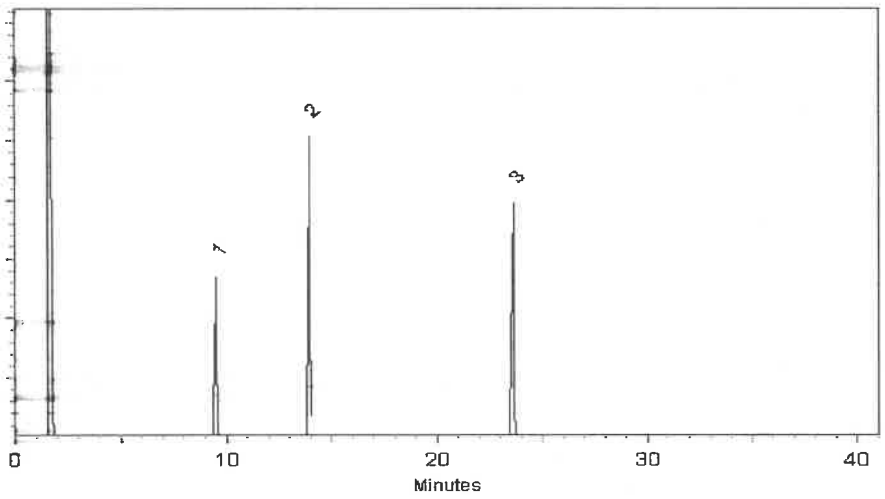
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

**Date Mixed:** 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 13-Sep-2022

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

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Received by CG on 12/28/22 $10981 to $11010

**Catalog No. :** 31086 **Lot No.:** A0189418

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** August 31, 2028 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Nitrobenzene-d5<br>**CAS #** 4165-60-0 (Lot PR-29940A)<br>**Purity** 99% | 5,009.8 µg/mL | +/- 29.1271 µg/mL<br>+/- 225.6421 µg/mL<br>+/- 250.3778 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 2 | 2-Fluorobiphenyl<br>**CAS #** 321-60-8 (Lot 00021384)<br>**Purity** 99% | 5,026.6 µg/mL | +/- 29.2250 µg/mL<br>+/- 226.4003 µg/mL<br>+/- 251.2191 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 3 | p-Terphenyl-d14<br>**CAS #** 1718-51-0 (Lot PR-30504)<br>**Purity** 99% | 5,027.3 µg/mL | +/- 29.2289 µg/mL<br>+/- 226.4304 µg/mL<br>+/- 251.2524 µg/mL | Gravimetric<br>Unstressed<br>Stressed |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

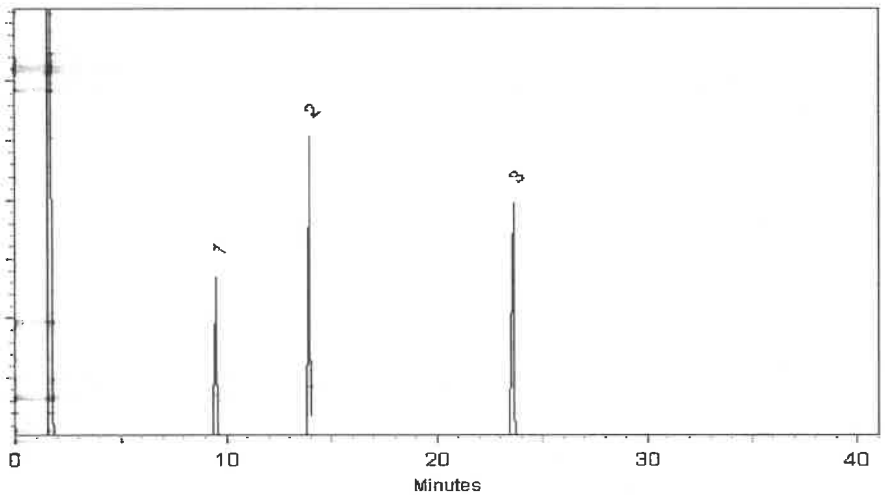
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID




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John Friedline - Operations Technician I

**Date Mixed:** 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

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Received by CG on 12/28/22 $10981 to $11010

**Catalog No. :** 31086 **Lot No.:** A0189418

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** August 31, 2028 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Nitrobenzene-d5<br>**CAS #** 4165-60-0 (Lot PR-29940A)<br>**Purity** 99% | 5,009.8 µg/mL | +/- 29.1271 µg/mL<br>+/- 225.6421 µg/mL<br>+/- 250.3778 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 2 | 2-Fluorobiphenyl<br>**CAS #** 321-60-8 (Lot 00021384)<br>**Purity** 99% | 5,026.6 µg/mL | +/- 29.2250 µg/mL<br>+/- 226.4003 µg/mL<br>+/- 251.2191 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 3 | p-Terphenyl-d14<br>**CAS #** 1718-51-0 (Lot PR-30504)<br>**Purity** 99% | 5,027.3 µg/mL | +/- 29.2289 µg/mL<br>+/- 226.4304 µg/mL<br>+/- 251.2524 µg/mL | Gravimetric<br>Unstressed<br>Stressed |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

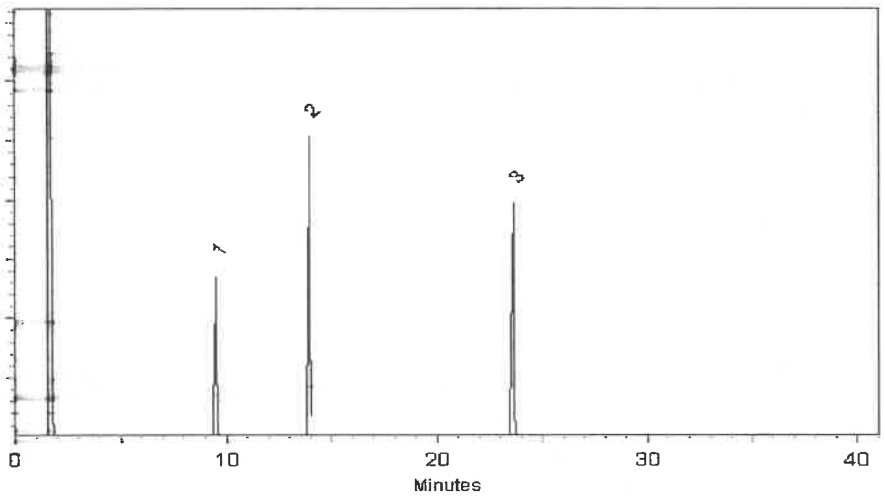
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hydrogen-constant pressure 10 psi.

**Temp. Program:**
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**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID




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John Friedline - Operations Technician I

**Date Mixed:** 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

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Received by CG on 12/28/22 $10981 to $11010

**Catalog No. :** 31086 **Lot No.:** A0189418

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** August 31, 2028 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Nitrobenzene-d5<br>**CAS #** 4165-60-0 (Lot PR-29940A)<br>**Purity** 99% | 5,009.8 µg/mL | +/- 29.1271 µg/mL<br>+/- 225.6421 µg/mL<br>+/- 250.3778 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 2 | 2-Fluorobiphenyl<br>**CAS #** 321-60-8 (Lot 00021384)<br>**Purity** 99% | 5,026.6 µg/mL | +/- 29.2250 µg/mL<br>+/- 226.4003 µg/mL<br>+/- 251.2191 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 3 | p-Terphenyl-d14<br>**CAS #** 1718-51-0 (Lot PR-30504)<br>**Purity** 99% | 5,027.3 µg/mL | +/- 29.2289 µg/mL<br>+/- 226.4304 µg/mL<br>+/- 251.2524 µg/mL | Gravimetric<br>Unstressed<br>Stressed |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

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**Column:**
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Rtx-5 (cat.#10223)

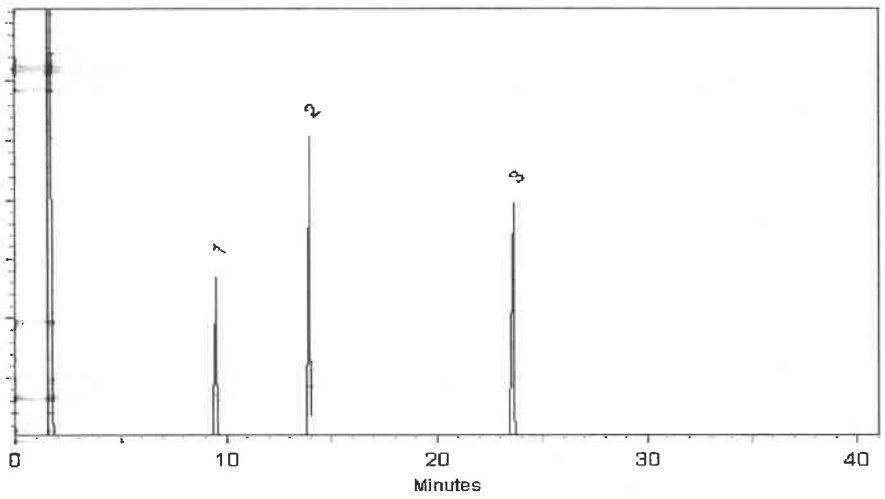
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
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**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID




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John Friedline - Operations Technician I

**Date Mixed:** 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 13-Sep-2022

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**Catalog No. :** 31086 **Lot No.:** A0189418

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** August 31, 2028 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Nitrobenzene-d5<br>**CAS #** 4165-60-0 (Lot PR-29940A)<br>**Purity** 99% | 5,009.8 µg/mL | +/- 29.1271 µg/mL<br>+/- 225.6421 µg/mL<br>+/- 250.3778 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
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| 3 | p-Terphenyl-d14<br>**CAS #** 1718-51-0 (Lot PR-30504)<br>**Purity** 99% | 5,027.3 µg/mL | +/- 29.2289 µg/mL<br>+/- 226.4304 µg/mL<br>+/- 251.2524 µg/mL | Gravimetric<br>Unstressed<br>Stressed |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
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**Column:**
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Rtx-5 (cat.#10223)

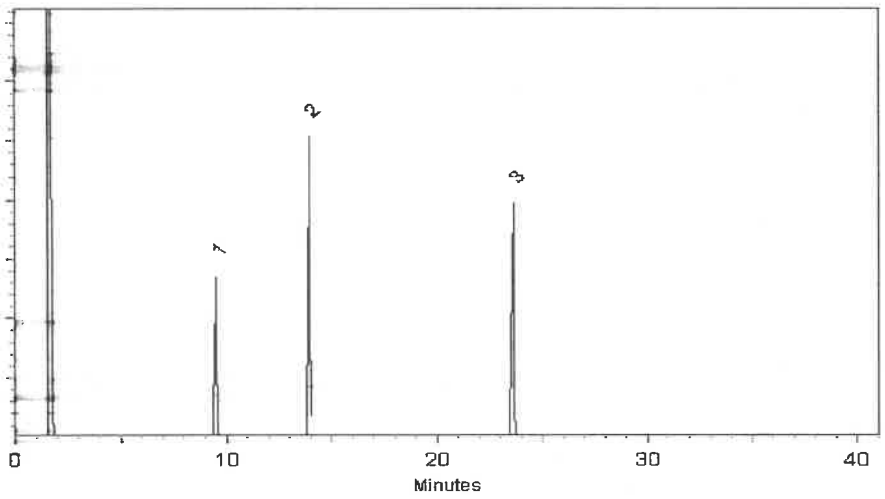
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID




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John Friedline - Operations Technician I

**Date Mixed:** 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 13-Sep-2022

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**Catalog No. :** 31086 **Lot No.:** A0189418

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** August 31, 2028 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Nitrobenzene-d5<br>**CAS #** 4165-60-0 (Lot PR-29940A)<br>**Purity** 99% | 5,009.8 µg/mL | +/- 29.1271 µg/mL<br>+/- 225.6421 µg/mL<br>+/- 250.3778 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 2 | 2-Fluorobiphenyl<br>**CAS #** 321-60-8 (Lot 00021384)<br>**Purity** 99% | 5,026.6 µg/mL | +/- 29.2250 µg/mL<br>+/- 226.4003 µg/mL<br>+/- 251.2191 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 3 | p-Terphenyl-d14<br>**CAS #** 1718-51-0 (Lot PR-30504)<br>**Purity** 99% | 5,027.3 µg/mL | +/- 29.2289 µg/mL<br>+/- 226.4304 µg/mL<br>+/- 251.2524 µg/mL | Gravimetric<br>Unstressed<br>Stressed |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

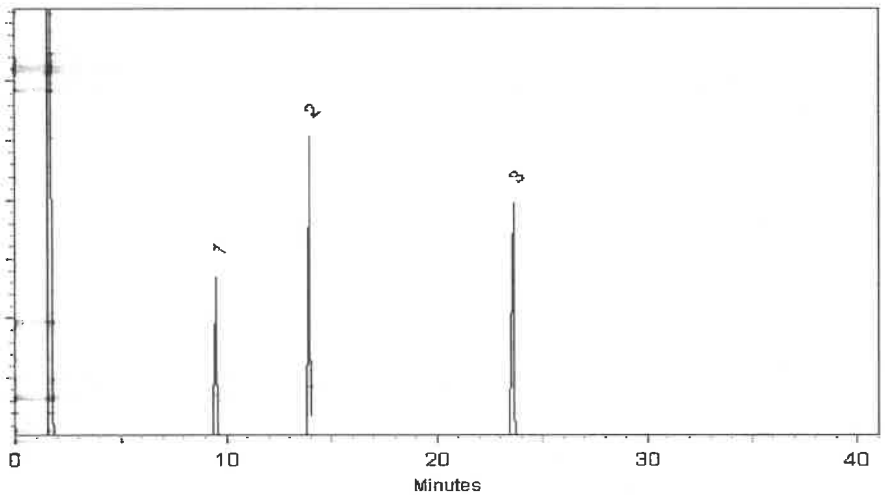
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID




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John Friedline - Operations Technician I

**Date Mixed:** 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 13-Sep-2022

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*gravimetric*

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

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**Catalog No. :** 555870 **Lot No.:** A0194698

**Description :** Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** February 28, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) |
|---|---|---|---|---|---|
| 1 | 2,4-Dinitrophenol | 51-28-5 | DR221221RSR | 99% | 25,195.0 µg/mL |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

Russ Bookhamer - Operations Technician I

**Date Mixed:** 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek's Registered Quality Certificate #FM 8

# tified Reference Material Notes

## :es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

ıty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ɜnded condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

ıds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the ɔmpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

## rtainty Value Notes:

ɜrtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ıty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ıty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

ɜrage factor of 2, which gives a level of confidence of approximately 95%.

ıged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure inimum packaged amount can be sufficiently transferred.

## Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily Γ traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ɳ, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ɟards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ɜm. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, ıdes complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*gravimetric*

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**Catalog No. :** 555869 **Lot No.:** A0194702

**Description :** Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** February 28, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) |
|---|---|---|---|---|---|
| 1 | Hexachlorocyclopentadiene | 77-47-4 | 0012019 | 99% | 25,008.0 µg/mL |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

Russ Bookhamer - Operations Technician I

**Date Mixed:** 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

# tified Reference Material Notes

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n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

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erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure nimum packaged amount can be sufficiently transferred.

## Notes:

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:

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ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Substances Soluble in HCl | <= 0.16 % | 0.01 |

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

# CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| PRODUCT : | SODIUM SULFATE CRYSTALS ANHYDROUS | | |
| QUALITY : | ACS (CODE RMB3375) | FORMULA : | $Na_2SO_4$ |
| SPECIFICATION NUMBER : | 6399 | RELEASE DATE: | ABR/21/2023 |
| LOT NUMBER : | 313201 | | |

| TEST | SPECIFICATIONS | LOT VALUES |
|---|---|---|
| Assay ($Na_2SO_4$) | Min. 99.0% | 99.7 % |
| pH of a 5% solution at 25°C | 5.2 - 9.2 | 6.1 |
| Insoluble matter | Max. 0.01% | 0.005 % |
| Loss on ignition | Max. 0.5% | 0.1 % |
| Chloride (Cl) | Max. 0.001% | <0.001 % |
| Nitrogen compounds (as N) | Max. 5 ppm | <5 ppm |
| Phosphate ($PO_4$) | Max. 0.001% | <0.001 % |
| Heavy metals (as Pb) | Max. 5 ppm | <5 ppm |
| Iron (Fe) | Max. 0.001% | <0.001 % |
| Calcium (Ca) | Max. 0.01% | 0.002 % |
| Magnesium (Mg) | Max. 0.005% | 0.001 % |
| Potassium (K) | Max. 0.008% | 0.003 % |
| Extraction-concentration suitability | Passes test | Passes test |
| Appearance | Passes test | Passes test |
| Identification | Passes test | Passes test |
| Solubility and foreing matter | Passes test | Passes test |
| Retained on US Standard No. 10 sieve | Max. 1% | 0.1 % |
| Retained on US Standard No. 60 sieve | Min. 94% | 97.3 % |
| Through US Standard No. 60 sieve | Max. 5% | 2.5 % |
| Through US Standard No. 100 sieve | Max. 10% | 0.1 % |

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected forwater) | >= 99.4 % | 99.8 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.2 ppm |
| Substances Reducing Permanganate | Passes Test | Passes Test |
| Titrable Acid (µeq/g) | <= 0.3 | 0.2 |
| Titrable Base (µeq/g) | <= 0.6 | <0.1 |
| Water ($H_2O$) | <= 0.5 % | 0.2 % |
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | <1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 1 |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3815

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected forwater) | >= 99.4 % | 99.8 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.2 ppm |
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| Titrable Acid (µeq/g) | <= 0.3 | 0.2 |
| Titrable Base (µeq/g) | <= 0.6 | <0.1 |
| Water ($H_2O$) | <= 0.5 % | 0.2 % |
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | <1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 1 |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3827

Recd by RP on ~~11/6~~ 11/7/24
RP 11/7

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24J0862003
Manufactured Date: 2024-09-12
Expiration Date:2025-12-12
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | 2 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 1 |
| Assay ($CH_2Cl_2$) (by GC, exclusive of preservative, corrected for water) | >= 99.8 % | 100.0 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.2 ppm |
| Titrable Acid (µeq/g) | <= 0.3 | <0.1 |
| Chloride (Cl) | <= 10 ppm | <5 ppm |
| Water (by KF, coulometric) | <= 0.02 % | <0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3828

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected forwater) | >= 99.4 % | 100.0 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.0 ppm |
| Substances Reducing Permanganate | Passes Test | Passes Test |
| Titrable Acid (µeq/g) | <= 0.3 | 0.2 |
| Titrable Base (µeq/g) | <= 0.6 | <0.1 |
| Water ($H_2O$) | <= 0.5 % | <0.1 % |
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | 1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 1 |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 12/13/24

E 3846

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

PO: PO2-798 PRODUCT CODE: SHIP DATE: 12/9/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date:2026-01-07
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | 1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 2 |
| Assay ($CH_2Cl_2$) (by GC, exclusive of preservative, corrected for water) | >= 99.8 % | 100.0 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.5 ppm |
| Titrable Acid (µeq/g) | <= 0.3 | 0.0 |
| Chloride (Cl) | <= 10 ppm | <5 ppm |
| Water (by KF, coulometric) | <= 0.02 % | 0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3848

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

12/9-1/24

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date:2026-01-07
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | 1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 2 |
| Assay ($CH_2Cl_2$) (by GC, exclusive of preservative, corrected for water) | >= 99.8 % | 100.0 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.5 ppm |
| Titrable Acid (µeq/g) | <= 0.3 | 0.0 |
| Chloride (Cl) | <= 10 ppm | <5 ppm |
| Water (by KF, coulometric) | <= 0.02 % | 0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3871

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-110094-02 | 506889 | ≤ -10 °C | Methylene Chloride | 7/25/2028 | CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 1,2-dichlorobenzene-$d_4$ | 2199-69-1 | 99.7 | 247.29.3P | 5035 ± 28.02 |
| 2-fluorobiphenyl | 321-60-8 | 99.69 | 8.286.1.1P | 4999 ± 103.66 |
| nitrobenzene-d5 | 4165-60-0 | 99.67 | 7.9.3P | 4988 ± 27.32 |
| p-terphenyl-d14 | 1718-51-0 | 99.3 | 9.120.8P | 5005 ± 27.85 |

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-110094-02 | 506889 | ≤ -10 °C | Methylene Chloride | 7/25/2028 | CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 1,2-dichlorobenzene-$d_4$ | 2199-69-1 | 99.7 | 247.29.3P | 5035 ± 28.02 |
| 2-fluorobiphenyl | 321-60-8 | 99.69 | 8.286.1.1P | 4999 ± 103.66 |
| nitrobenzene-d5 | 4165-60-0 | 99.67 | 7.9.3P | 4988 ± 27.32 |
| p-terphenyl-d14 | 1718-51-0 | 99.3 | 9.120.8P | 5005 ± 27.85 |

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555872 **Lot No.:** A0201728

**Description :** Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 25,000.0 µg/mL | +/- 777.0837 |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

Josh McCloskey - Operations Technician I

**Date Mixed:** 05-Sep-2023 **Balance:** B251644995

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  *k* is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31853 **Lot No.:** A0196453

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** March 31, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 123-91-1 | SHBN3770 | 99% | 2,013.0 µg/mL | +/- 25.0521 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

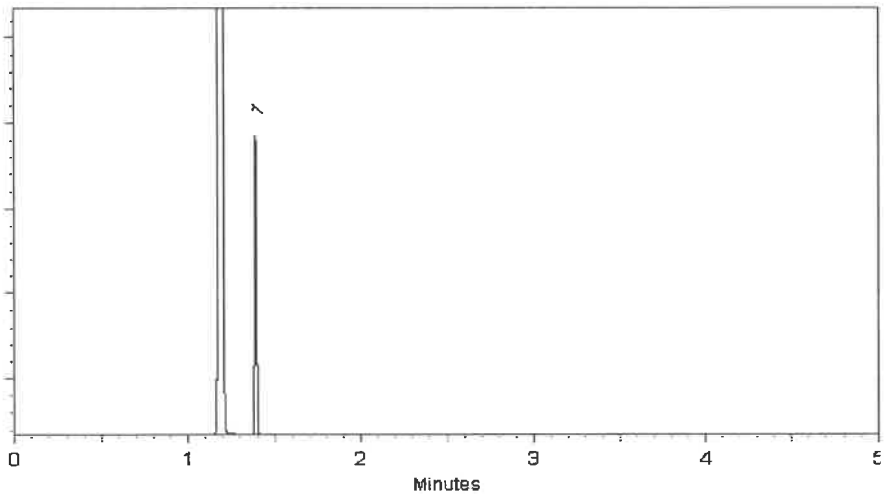
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 31-Mar-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31853 **Lot No.:** A0196453

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** March 31, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 123-91-1 | SHBN3770 | 99% | 2,013.0 µg/mL | +/- 25.0521 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

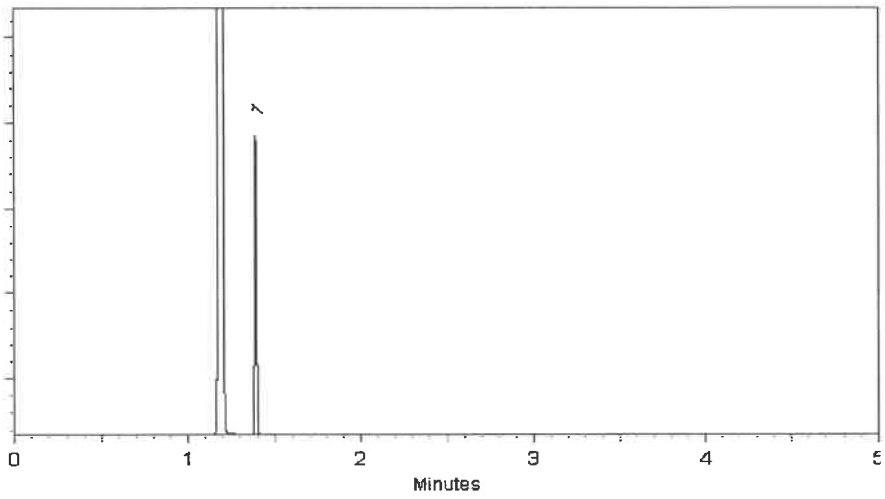
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 31-Mar-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31853 **Lot No.:** A0196453

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** March 31, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 123-91-1 | SHBN3770 | 99% | 2,013.0 µg/mL | +/- 25.0521 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

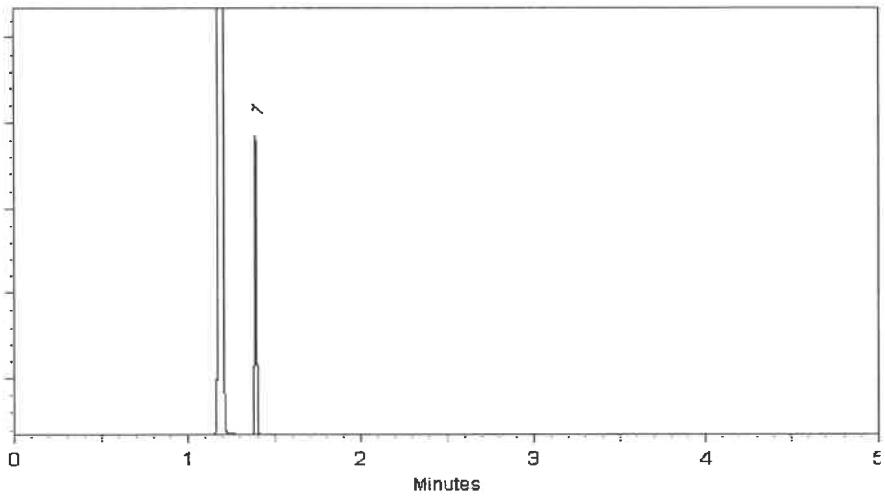
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 31-Mar-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

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**Catalog No. :** 31853 **Lot No.:** A0196453

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** March 31, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 123-91-1 | SHBN3770 | 99% | 2,013.0 µg/mL | +/- 25.0521 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

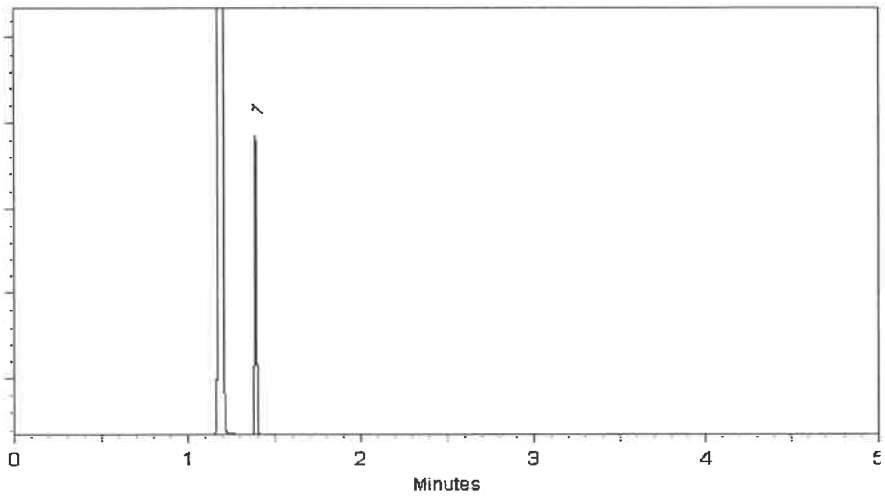
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 31-Mar-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

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- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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**Catalog No. :** 31853 **Lot No.:** A0196453

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** March 31, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 123-91-1 | SHBN3770 | 99% | 2,013.0 µg/mL | +/- 25.0521 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

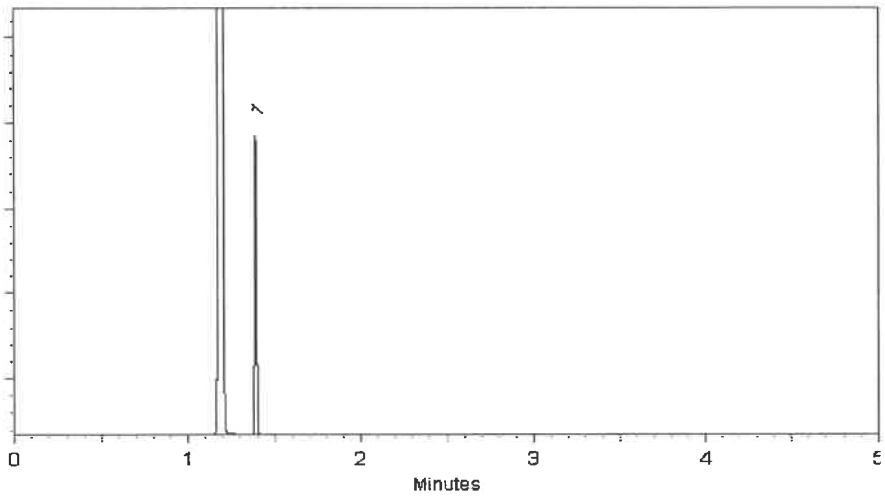
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl




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Sam Moodler - Operations Tech I

**Date Mixed:** 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 31-Mar-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

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CERTIFIED REFERENCE MATERIAL

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**Catalog No. :** 31853 **Lot No.:** A0196453

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** March 31, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 123-91-1 | SHBN3770 | 99% | 2,013.0 µg/mL | +/- 25.0521 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

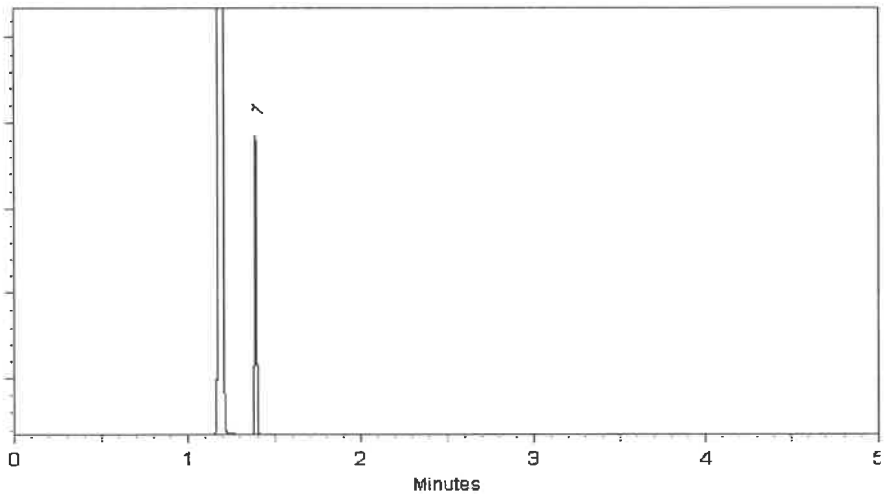
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 31-Mar-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
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CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-110816-01 | 414127 | ≤ -10 °C | Methylene Chloride | 6/21/2025 | Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| atrazine | 1912-24-9 | 99.5 | 337.7.3P | 997 ± 5.81 |
| benzidine | 92-87-5 | 99.9 | 124.18.6.2P | 991.8 ± 5.77 |
| caprolactam | 105-60-2 | 99.9 | 271.1.6P | 999 ± 5.82 |

S12075
↓
S12079
RC
02/01/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

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Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

# Certificate of Analysis

Rev 0



| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-020223-01 | 454157 | ≤ -10 °C | P/T Methanol | 6/10/2026 | 1,4-Dioxane Solution, 2000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 1,4-dioxane | 123-91-1 | 100 | 223.1.3P | 1997 ± 57.08 |

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

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Santa Rosa, CA 95403

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(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

# Certificate of Analysis

Rev 0



| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-020223-01 | 454157 | ≤ -10 °C | P/T Methanol | 6/10/2026 | 1,4-Dioxane Solution, 2000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 1,4-dioxane | 123-91-1 | 100 | 223.1.3P | 1997 ± 57.08 |

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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**Catalog No. :** 31850 **Lot No.:** A0203726

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- 36.4553 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0203726

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- 36.4553 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

RESTEK
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Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0203726

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- 36.4553 |

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|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

RESTEK
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Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0203726

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- 36.4553 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0203726

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- 36.4553 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

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Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0203726

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- 36.4553 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0203726

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- 36.4553 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0203726

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

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|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- 36.4553 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0203726

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- 36.4553 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31087 **Lot No.:** A0206206

**Description :** Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** January 31, 2032 **Storage:** 10°C or colder

**Ship:** Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol | 367-12-4 | STBK1705 | 99% | 10,005.3 µg/mL | +/- 302.5390 |
| 2 | Phenol-d6 | 13127-88-3 | PR-33287A | 99% | 10,005.5 µg/mL | +/- 302.5475 |
| 3 | 2,4,6-Tribromophenol | 118-79-6 | RP230831RSR | 99% | 10,006.6 µg/mL | +/- 302.5783 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

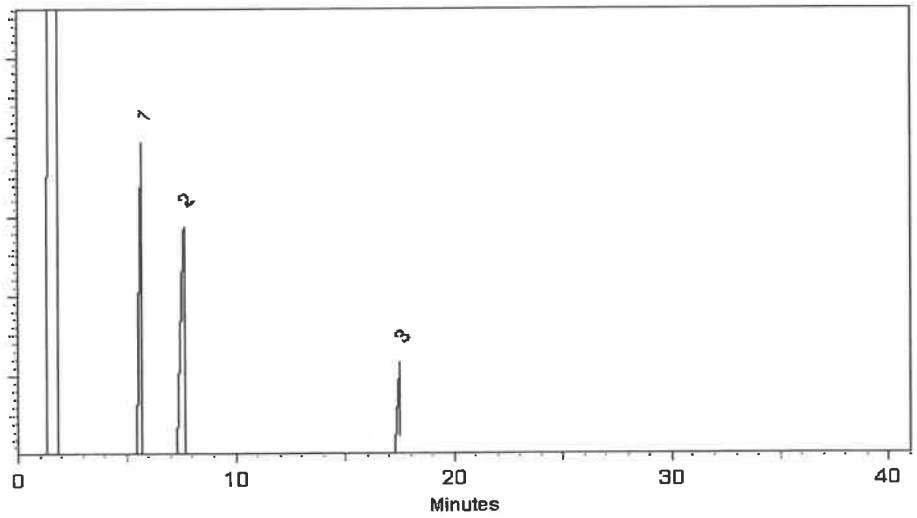
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

**Date Mixed:** 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

**Date Passed:** 08-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31087 **Lot No.:** A0206206

**Description :** Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** January 31, 2032 **Storage:** 10°C or colder

**Ship:** Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol | 367-12-4 | STBK1705 | 99% | 10,005.3 µg/mL | +/- 302.5390 |
| 2 | Phenol-d6 | 13127-88-3 | PR-33287A | 99% | 10,005.5 µg/mL | +/- 302.5475 |
| 3 | 2,4,6-Tribromophenol | 118-79-6 | RP230831RSR | 99% | 10,006.6 µg/mL | +/- 302.5783 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

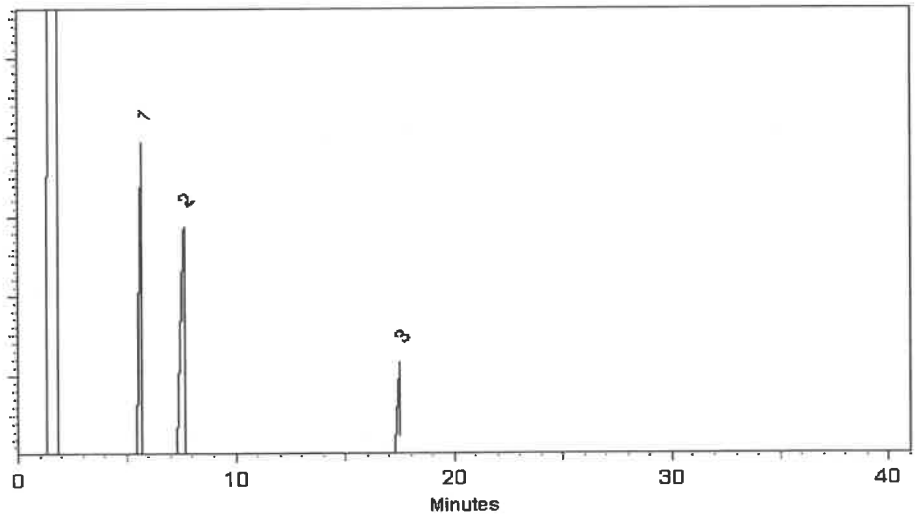
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

**Date Mixed:** 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

**Date Passed:** 08-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31087 **Lot No.:** A0206206

**Description :** Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** January 31, 2032 **Storage:** 10°C or colder

**Ship:** Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol | 367-12-4 | STBK1705 | 99% | 10,005.3 µg/mL | +/- 302.5390 |
| 2 | Phenol-d6 | 13127-88-3 | PR-33287A | 99% | 10,005.5 µg/mL | +/- 302.5475 |
| 3 | 2,4,6-Tribromophenol | 118-79-6 | RP230831RSR | 99% | 10,006.6 µg/mL | +/- 302.5783 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

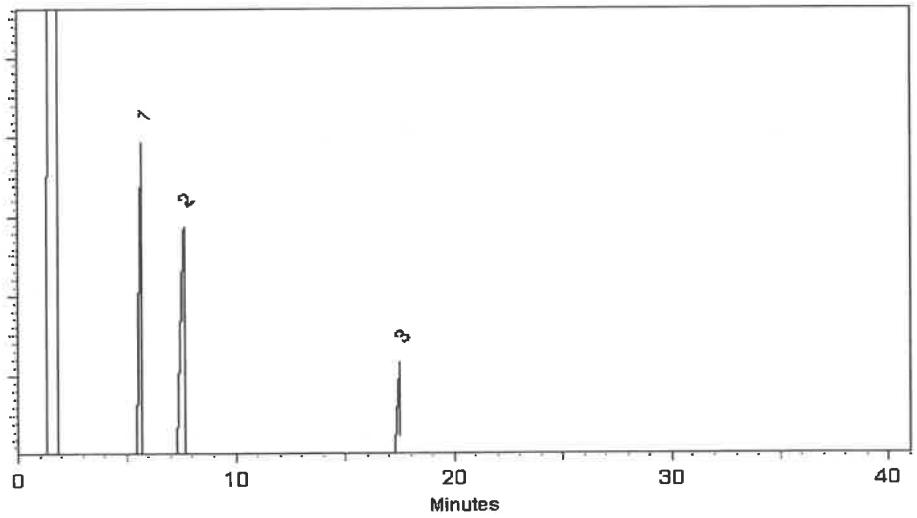
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

**Date Mixed:** 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

**Date Passed:** 08-Jan-2024

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31086 **Lot No.:** A0206381

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** December 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Nitrobenzene-d5 | 4165-60-0 | I-25158 | 99% | 5,029.3 µg/mL | +/- 226.5204 |
| 2 | 2-Fluorobiphenyl | 321-60-8 | 00021384 | 99% | 5,030.9 µg/mL | +/- 226.5936 |
| 3 | p-Terphenyl-d14 | 1718-51-0 | PR-32599 | 99% | 5,026.4 µg/mL | +/- 226.3909 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

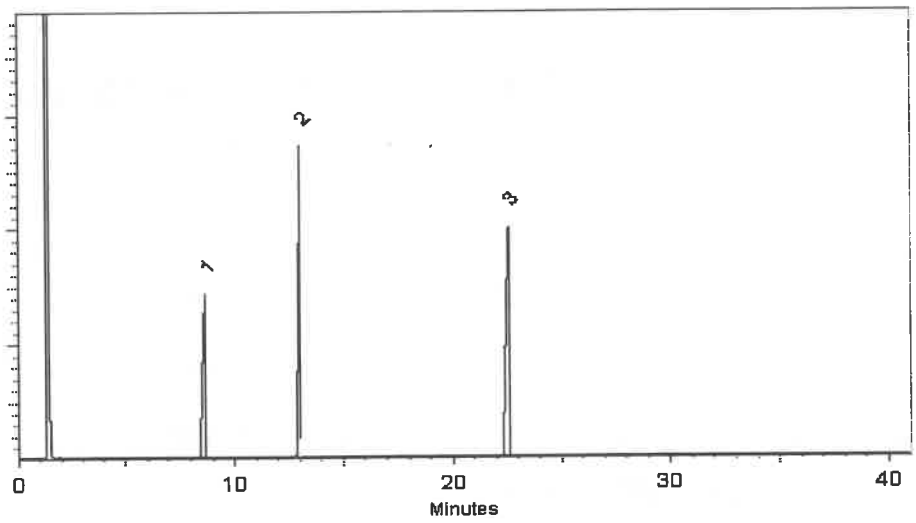
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31086 **Lot No.:** A0206381

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** December 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Nitrobenzene-d5 | 4165-60-0 | I-25158 | 99% | 5,029.3 µg/mL | +/- 226.5204 |
| 2 | 2-Fluorobiphenyl | 321-60-8 | 00021384 | 99% | 5,030.9 µg/mL | +/- 226.5936 |
| 3 | p-Terphenyl-d14 | 1718-51-0 | PR-32599 | 99% | 5,026.4 µg/mL | +/- 226.3909 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

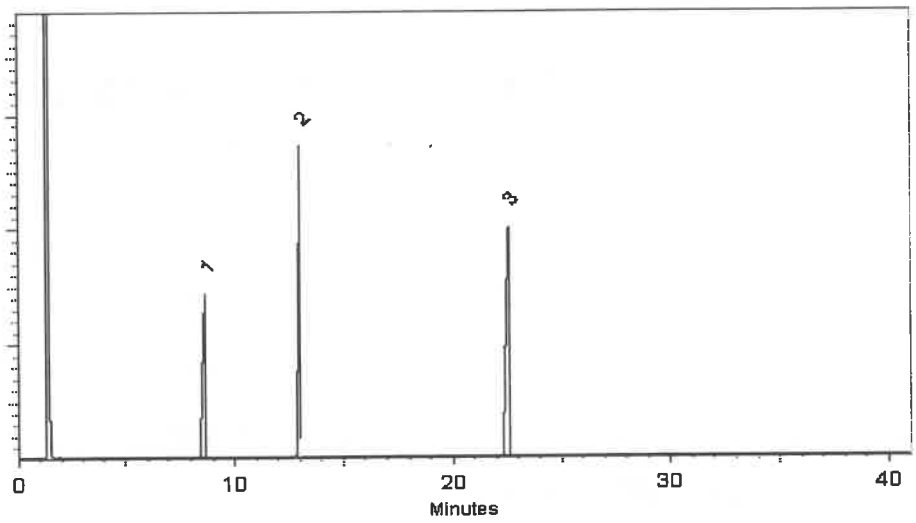
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

# Certificate of Analysis

Rev 0



| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-010442-07 | 495833 | ≤ -10 °C | Methylene Chloride | 1/16/2028 | Benzaldehyde Solution, 1000 mg/L, 1.3 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| benzaldehyde | 100-52-7 | 98.3 | 442.421.1P | 996.8 ± 11.49 |

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

# Certificate of Analysis

Rev 0



| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-010442-07 | 495833 | ≤ -10 °C | Methylene Chloride | 1/16/2028 | Benzaldehyde Solution, 1000 mg/L, 1.3 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| benzaldehyde | 100-52-7 | 98.3 | 442.421.1P | 996.8 ± 11.49 |

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

# Certificate of Analysis

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

S12312 ↓ S12331 } RC/ 05/30/24

**Catalog No. :** 31206 **Lot No.:** A0206540

**Description :** SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** December 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 3855-82-1 | PR-30447 | 99% | 2,007.1 µg/mL | +/- 90.4025 |
| 2 | Naphthalene-d8 | 1146-65-2 | M-2180 | 99% | 2,005.9 µg/mL | +/- 90.3454 |
| 3 | Acenaphthene-d10 | 15067-26-2 | PR-33507 | 99% | 2,007.9 µg/mL | +/- 90.4385 |
| 4 | Phenanthrene-d10 | 1517-22-2 | PR-32303 | 99% | 2,006.7 µg/mL | +/- 90.3845 |
| 5 | Chrysene-d12 | 1719-03-5 | PR-32210 | 99% | 2,015.5 µg/mL | +/- 90.7778 |
| 6 | Perylene-d12 | 1520-96-3 | PR-33205 | 99% | 2,014.7 µg/mL | +/- 90.7448 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

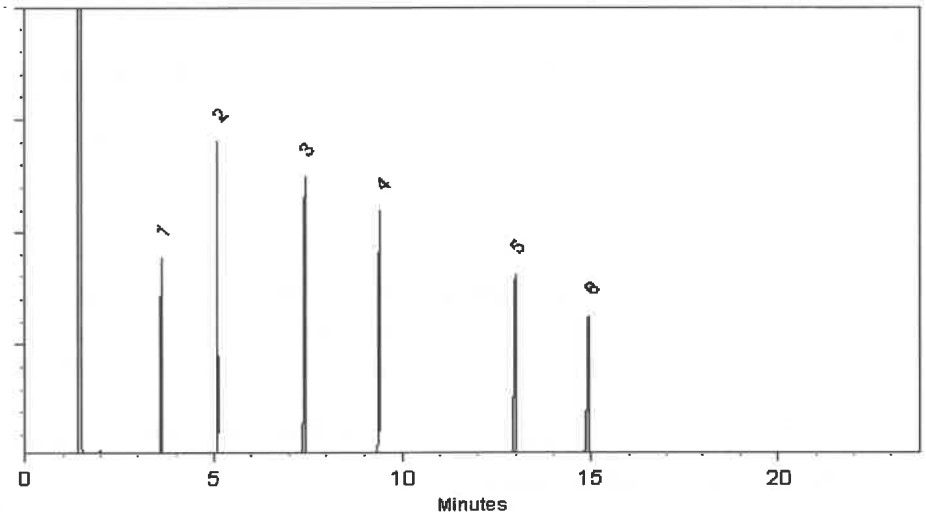
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
10 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

**Date Mixed:** 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 16-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

**CERTIFIED VALUES**

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,005.0 µg/mL | +/- 23.0717 |
| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 23.0947 |
| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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**CAS #** 75-09-2
**Purity** 99%

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Rebecca Gingerich - Operations Tech II

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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

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- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Fax: 1-814-353-1309

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

**CERTIFIED VALUES**

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,005.0 µg/mL | +/- 23.0717 |
| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 23.0947 |
| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
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## Manufacturing Notes:

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**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

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| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
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| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

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**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

**CERTIFIED VALUES**

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
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| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 23.0947 |
| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 2 | Acetophenone | 98-86-2 | STBH8205 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 3 | Benzaldehyde | 100-52-7 | RD231129RSRA | 99% | 1,008.0 µg/mL | +/- 29.630084 |
| 4 | Benzoic acid | 65-85-0 | MKCR2694 | 99% | 1,010.0 µg/mL | +/- 29.688874 |
| 5 | Biphenyl | 92-52-4 | MKCS5928 | 99% | 1,008.0 µg/mL | +/- 29.630084 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

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## Manufacturing Notes:

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**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 2 | Acetophenone | 98-86-2 | STBH8205 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 3 | Benzaldehyde | 100-52-7 | RD231129RSRA | 99% | 1,008.0 µg/mL | +/- 29.630084 |
| 4 | Benzoic acid | 65-85-0 | MKCR2694 | 99% | 1,010.0 µg/mL | +/- 29.688874 |
| 5 | Biphenyl | 92-52-4 | MKCS5928 | 99% | 1,008.0 µg/mL | +/- 29.630084 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

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**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 2 | Acetophenone | 98-86-2 | STBH8205 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 3 | Benzaldehyde | 100-52-7 | RD231129RSRA | 99% | 1,008.0 µg/mL | +/- 29.630084 |
| 4 | Benzoic acid | 65-85-0 | MKCR2694 | 99% | 1,010.0 µg/mL | +/- 29.688874 |
| 5 | Biphenyl | 92-52-4 | MKCS5928 | 99% | 1,008.0 µg/mL | +/- 29.630084 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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## Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

ISO 17034 Accredited
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Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 2 | Acetophenone | 98-86-2 | STBH8205 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 3 | Benzaldehyde | 100-52-7 | RD231129RSRA | 99% | 1,008.0 µg/mL | +/- 29.630084 |
| 4 | Benzoic acid | 65-85-0 | MKCR2694 | 99% | 1,010.0 µg/mL | +/- 29.688874 |
| 5 | Biphenyl | 92-52-4 | MKCS5928 | 99% | 1,008.0 µg/mL | +/- 29.630084 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
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## Manufacturing Notes:

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 2 | Acetophenone | 98-86-2 | STBH8205 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 3 | Benzaldehyde | 100-52-7 | RD231129RSRA | 99% | 1,008.0 µg/mL | +/- 29.630084 |
| 4 | Benzoic acid | 65-85-0 | MKCR2694 | 99% | 1,010.0 µg/mL | +/- 29.688874 |
| 5 | Biphenyl | 92-52-4 | MKCS5928 | 99% | 1,008.0 µg/mL | +/- 29.630084 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

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## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 2 | Acetophenone | 98-86-2 | STBH8205 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 3 | Benzaldehyde | 100-52-7 | RD231129RSRA | 99% | 1,008.0 µg/mL | +/- 29.630084 |
| 4 | Benzoic acid | 65-85-0 | MKCR2694 | 99% | 1,010.0 µg/mL | +/- 29.688874 |
| 5 | Biphenyl | 92-52-4 | MKCS5928 | 99% | 1,008.0 µg/mL | +/- 29.630084 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
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| 5 | Biphenyl | 92-52-4 | MKCS5928 | 99% | 1,008.0 µg/mL | +/- 29.630084 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

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**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
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| 5 | Biphenyl | 92-52-4 | MKCS5928 | 99% | 1,008.0 µg/mL | +/- 29.630084 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

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- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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**CERTIFIED REFERENCE MATERIAL**

# Certificate of Analysis

***chromatographic plus***

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31206 **Lot No.:** A0212266

**Description :** SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2030 **Storage:** 10°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

**CERTIFIED VALUES**

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 3855-82-1 | PR-30447 | 99% | 2,000.6 µg/mL | +/- 90.1075 |
| 2 | Naphthalene-d8 | 1146-65-2 | M-2180 | 99% | 2,000.3 µg/mL | +/- 90.0925 |
| 3 | Acenaphthene-d10 | 15067-26-2 | PR-33507 | 99% | 2,000.4 µg/mL | +/- 90.1000 |
| 4 | Phenanthrene-d10 | 1517-22-2 | PR-34099 | 99% | 2,000.5 µg/mL | +/- 90.1037 |
| 5 | Chrysene-d12 | 1719-03-5 | PR-33506 | 99% | 2,000.7 µg/mL | +/- 90.1112 |
| 6 | Perylene-d12 | 1520-96-3 | PR-33205 | 99% | 2,000.6 µg/mL | +/- 90.1075 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12645 ↓ S12674 AC 10/1/24

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-110816-01 | 414127 | ≤-10 °C | Methylene Chloride | 6/21/2025 | Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| atrazine | 1912-24-9 | 99.5 | 337.7.3P | 997 ± 5.81 |
| benzidine | 92-87-5 | 99.9 | 124.18.6.2P | 991.8 ± 5.77 |
| caprolactam | 105-60-2 | 99.9 | 271.1.6P | 999 ± 5.82 |

~~S12280~~ ↓ ~~S12284~~ RCI 05/24/24

New numbers Generated.

S12790 ↓ S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.




# SHIPPING DOCUMENTS

# CHEMTECH
## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

**Chemtech Project Number:** Q1069

**COC Number:**

### CLIENT INFORMATION

COMPANY: Tetra Tech
ADDRESS: 4433 Corporation Ln, Suite 300
CITY: Virginia Beach STATE: VA ZIP: 23462
ATTENTION: Ernie Wu
PHONE: 757-466-4901 FAX: 757-461-4148

### PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT #: 112G08005-WE13 LOCATION: Carbon IDW
PROJECT MANAGER: Dave Brayack
E-MAIL: david.brayack@tetratech.com
PHONE: 757-466-4909 FAX: 757-461-4148

### BILLING INFORMATION

BILL TO: SEE CONTRACT PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

### DATA TURNAROUND INFORMATION

FAX:_____10_____ DAYS*
HARD COPY:_____10_____DAYS*
EDD_____10_____DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other_____
- ☐ EDD Format_____

### ANALYSIS

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|
| TCL SVOC (total) | Flash point | TCLP VOC | TCLP Metals (RCRA 8) | PCB | pH | | | |

| 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. | RW7B-Carbon-20250109 | Granular Activated Carbon | | X | 1/9/25 | 14:00 | 6 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| 2. | | | | | | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

| RELINQUISHED BY SAMPLER | DATE/TIME | RECEIVED BY |
|---|---|---|
| 1. | 1/9/25 1530 | 1. 1-9-25 1530 |
| RELINQUISHED BY | DATE/TIME | RECEIVED BY |
| 2. | | 2. |
| RELINQUISHED BY | DATE/TIME | RECEIVED FOR LAB BY |
| 3. | 1-9-25 1615 | 3. |

**Conditions of bottles or coolers at receipt:** ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 2.5°C
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?:_____
**Comments: 5 Day TAT** - CTO-WE13 RW7B Carbon Sampling

Page 1 of 1

**SHIPPED VIA:** CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ☐ Picked Up ☐ Overnight

**Shipment Complete** ☐ YES ☐ NO

**WHITE** - CHEMTECH COPYFOR RETURN TO CLIENT **YELLOW** - CHEMTECH COPY **PINK** - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Laboratory Certification

| Certified By | License No. |
|---|---|
| | |
| CAS EPA CLP Contract | 68HERH20D0011 |
| | |
| Connecticut | PH-0830 |
| | |
| DOD ELAP (ANAB) | L2219 |
| | |
| Maine | 2024021 |
| | |
| Maryland | 296 |
| | |
| New Hampshire | 255424 Rev 1 |
| | |
| New Jersey | 20012 |
| | |
| New York | 11376 |
| | |
| Pennsylvania | 68-00548 |
| | |
| Soil Permit | 525-24-234-08441 |
| | |
| Texas | T104704488 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141117.D
Acq On : 10 Jan 2025 16:53
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Quant Time: Jan 10 22:22:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 163037 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 625072 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.863 | 164 | 333513 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 593257 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.998 | 240 | 341879 | 20.000 | ng | | 0.01 |
| 86) Perylene-d12 | 15.468 | 264 | 333662 | 20.000 | ng | | 0.03 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.428 | 112 | 1007728 | 95.484 | ng | | 0.00 |
| 7) Phenol-d6 | 6.445 | 99 | 1279370 | 95.699 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.386 | 82 | 1156878 | 98.108 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.651 | 330 | 383942 | 101.033 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.180 | 172 | 2040487 | 93.427 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.939 | 244 | 2188278 | 95.134 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.546 | 88 | 233484 | 49.679 | ng | | 98 |
| 3) Pyridine | 3.287 | 79 | 555795 | 48.225 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.240 | 42 | 280365 | 49.752 | ng | | 98 |
| 6) Aniline | 6.487 | 93 | 564714 | 47.577 | ng | | 99 |
| 8) 2-Chlorophenol | 6.604 | 128 | 545244 | 48.153 | ng | | 99 |
| 9) Benzaldehyde | 6.369 | 77 | 318659 | 42.669 | ng | | 100 |
| 10) Phenol | 6.463 | 94 | 678615 | 47.420 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.557 | 93 | 521191 | 48.869 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.763 | 146 | 613813 | 48.605 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.839 | 146 | 609332 | 47.881 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.992 | 146 | 565717 | 47.656 | ng | | 99 |
| 15) Benzyl Alcohol | 6.963 | 79 | 474583 | 49.156 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098 | 45 | 711735 | 47.824 | ng | | 100 |
| 17) 2-Methylphenol | 7.069 | 107 | 444678 | 48.644 | ng | | 100 |
| 18) Hexachloroethane | 7.334 | 117 | 224751 | 48.837 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.239 | 70 | 373068 | 47.373 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.228 | 107 | 546998 | 47.429 | ng | # | 85 |
| 22) Acetophenone | 7.234 | 105 | 711333 | 47.871 | ng | | 98 |
| 24) Nitrobenzene | 7.404 | 77 | 599817 | 48.807 | ng | | 99 |
| 25) Isophorone | 7.645 | 82 | 982492 | 48.754 | ng | | 99 |
| 26) 2-Nitrophenol | 7.722 | 139 | 287436 | 51.416 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.751 | 122 | 374236 | 49.629 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.857 | 93 | 614567 | 48.594 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.957 | 162 | 447208 | 49.935 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 495397 | 48.394 | ng | | 99 |
| 31) Naphthalene | 8.128 | 128 | 1598576 | 48.495 | ng | | 100 |
| 32) Benzoic acid | 7.869 | 122 | 391608 | 54.138 | ng | | 98 |
| 33) 4-Chloroaniline | 8.175 | 127 | 544930 | 47.801 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 302873 | 49.102 | ng | | 99 |
| 35) Caprolactam | 8.545 | 113 | 148641 | 50.598 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 8.651 | 107 | 488345 | 49.859 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 1021264 | 48.619 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 992651 | 47.950 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.980 | 216 | 460261 | 48.082 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 157828 | 50.395 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 318276 | 49.299 | ng | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141117.D
Acq On : 10 Jan 2025 16:53
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Quant Time: Jan 10 22:22:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

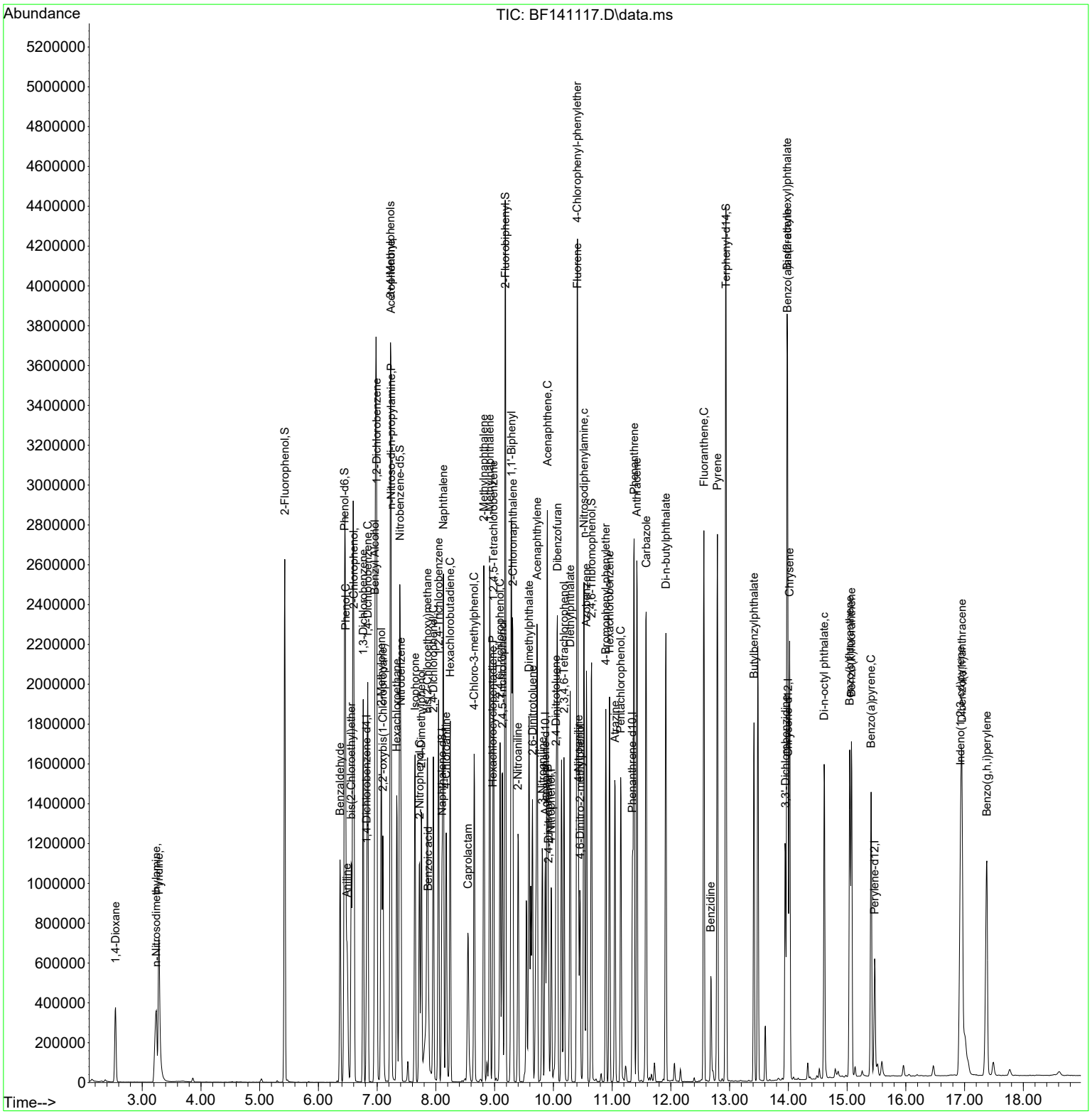
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.133 | 196 | 342288 | 50.201 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.286 | 154 | 1243305 | 48.003 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.310 | 162 | 979002 | 48.530 | ng | | 99 |
| 48) 2-Nitroaniline | 9.398 | 65 | 304048 | 50.844 | ng | | 96 |
| 49) Acenaphthylene | 9.722 | 152 | 1398990 | 48.539 | ng | | 100 |
| 50) Dimethylphthalate | 9.586 | 163 | 1098805 | 49.076 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.645 | 165 | 262596 | 50.434 | ng | | 96 |
| 52) Acenaphthene | 9.898 | 154 | 988008 | 49.066 | ng | | 99 |
| 53) 3-Nitroaniline | 9.810 | 138 | 266881 | 50.440 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.916 | 184 | 139903 | 56.530 | ng | # | 86 |
| 55) Dibenzofuran | 10.069 | 168 | 1321844 | 48.261 | ng | | 100 |
| 56) 4-Nitrophenol | 9.963 | 139 | 220382 | 53.183 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 10.045 | 165 | 353808 | 52.728 | ng | | 97 |
| 58) Fluorene | 10.410 | 166 | 1011650 | 47.543 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.180 | 232 | 277818 | 49.019 | ng | | 98 |
| 60) Diethylphthalate | 10.286 | 149 | 1074789 | 49.171 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204 | 494329 | 47.665 | ng | | 97 |
| 62) 4-Nitroaniline | 10.427 | 138 | 269415 | 52.024 | ng | | 98 |
| 63) Azobenzene | 10.563 | 77 | 1054277 | 48.881 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198 | 192136 | 55.890 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 10.522 | 169 | 894530 | 46.748 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 326554 | 47.810 | ng | | 99 |
| 68) Hexachlorobenzene | 10.957 | 284 | 361542 | 47.551 | ng | | 99 |
| 69) Atrazine | 11.051 | 200 | 272232 | 52.837 | ng | | 99 |
| 70) Pentachlorophenol | 11.145 | 266 | 250381 | 51.422 | ng | | 99 |
| 71) Phenanthrene | 11.374 | 178 | 1503408 | 47.203 | ng | | 99 |
| 72) Anthracene | 11.422 | 178 | 1473797 | 47.589 | ng | | 100 |
| 73) Carbazole | 11.580 | 167 | 1386206 | 48.815 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.916 | 149 | 1600680 | 49.255 | ng | | 100 |
| 75) Fluoranthene | 12.563 | 202 | 1558556 | 49.037 | ng | | 99 |
| 77) Benzidine | 12.680 | 184 | 290459 | 45.814 | ng | | 99 |
| 78) Pyrene | 12.792 | 202 | 1571607 | 48.129 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.416 | 149 | 578964 | 53.179 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.986 | 228 | 1136119 | 48.830 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.951 | 252 | 364178 | 49.156 | ng | | 99 |
| 83) Chrysene | 14.021 | 228 | 1057551 | 48.577 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.980 | 149 | 700052 | 53.591 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.610 | 149 | 1055383 | 53.503 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.933 | 276 | 1185030 | 48.477 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.045 | 252 | 1096957 | 50.984 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.074 | 252 | 865456 | 47.598 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.410 | 252 | 874134 | 49.243 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 16.956 | 278 | 959595 | 48.535 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.380 | 276 | 996659 | 48.464 | ng | | 99 |

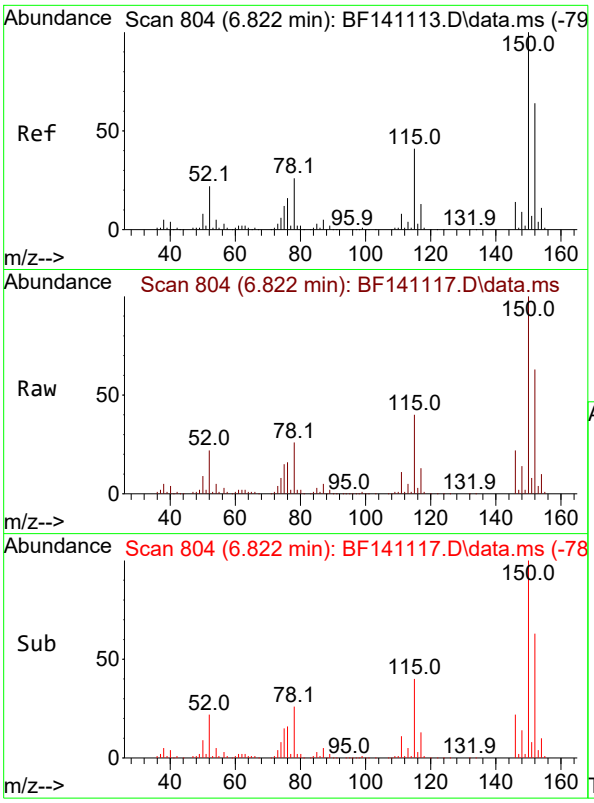
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141117.D
Acq On : 10 Jan 2025 16:53
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Quant Time: Jan 10 22:22:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration



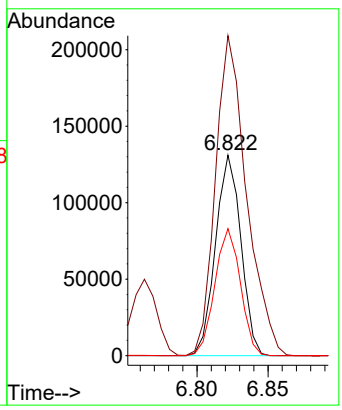


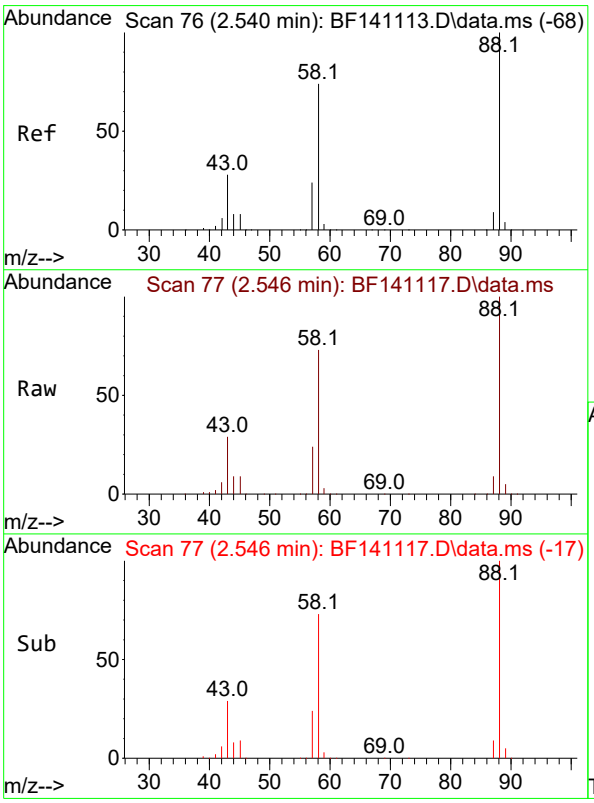

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:152 Resp: 163037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.6 | 125.8 | 188.8 |
| 115 | 63.4 | 51.4 | 77.2 |

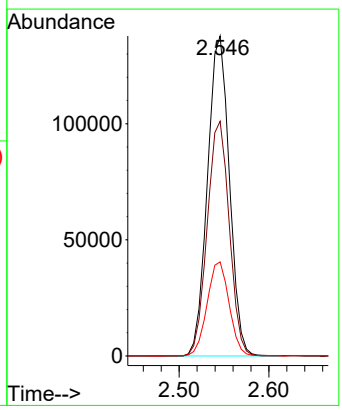


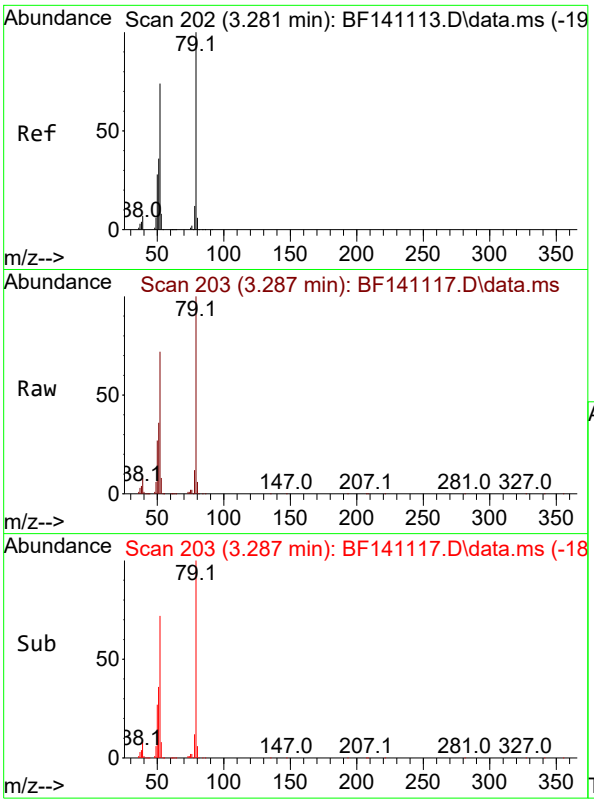




#2
1,4-Dioxane
Concen: 49.679 ng
RT: 2.546 min Scan# 77
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 88 Resp: 233484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 73.8 | 60.1 | 90.1 |
| 43 | 29.7 | 23.1 | 34.7 |



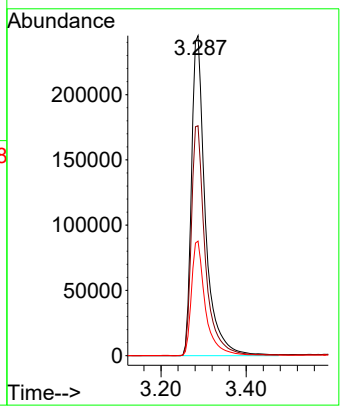


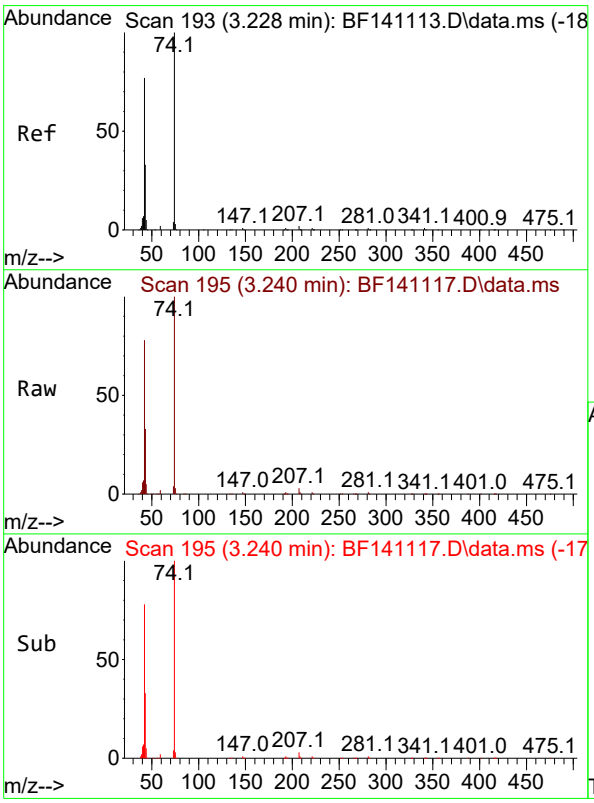

#3
Pyridine
Concen: 48.225 ng
RT: 3.287 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 79 Resp: 555795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 71.9 | 58.9 | 88.3 |
| 51 | 35.8 | 29.1 | 43.7 |

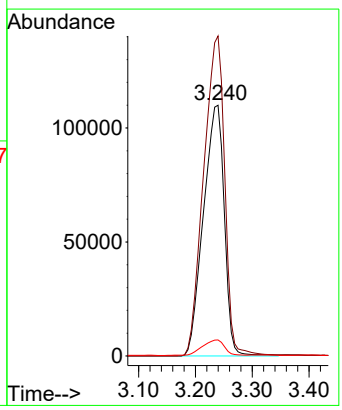


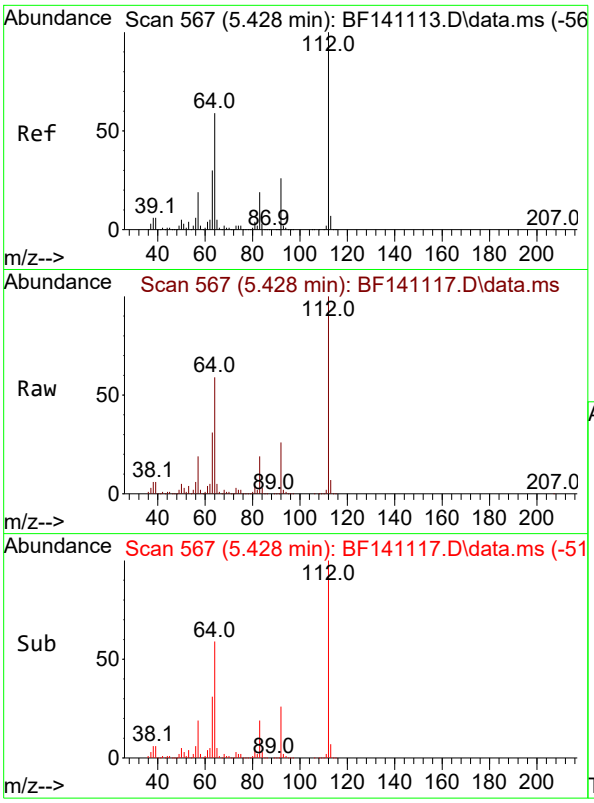




#4
n-Nitrosodimethylamine
Concen: 49.752 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.012 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 42 Resp: 280365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 127.7 | 103.8 | 155.6 |
| 44 | 6.4 | 5.3 | 7.9 |



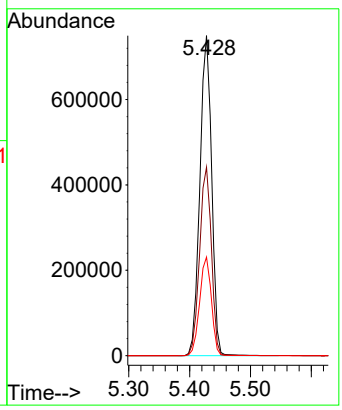


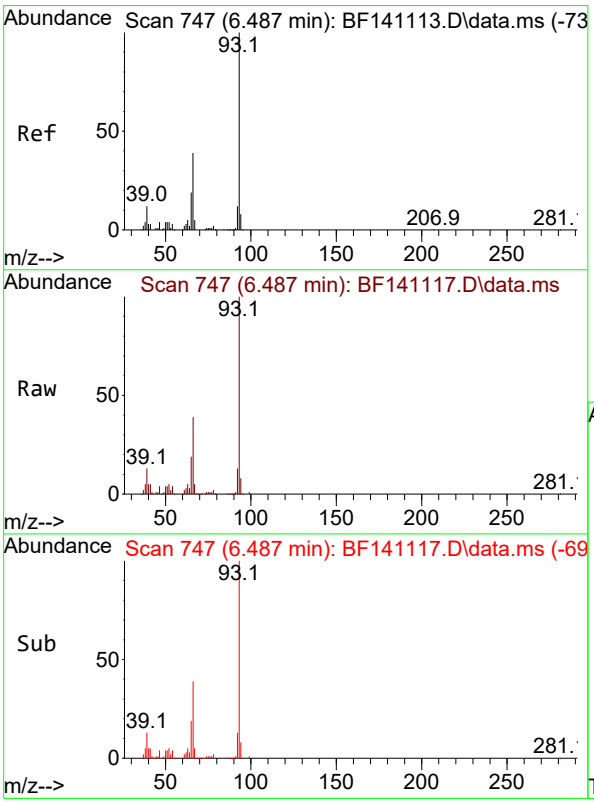

#5
2-Fluorophenol
Concen: 95.484 ng
RT: 5.428 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:112 Resp: 1007728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.9 | 47.3 | 70.9 |
| 63 | 30.8 | 24.2 | 36.2 |

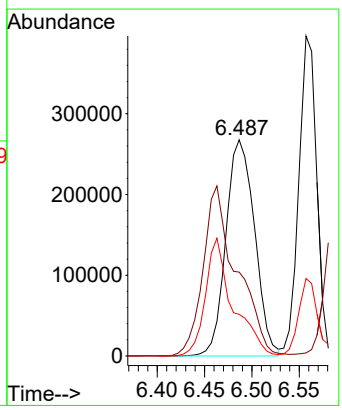


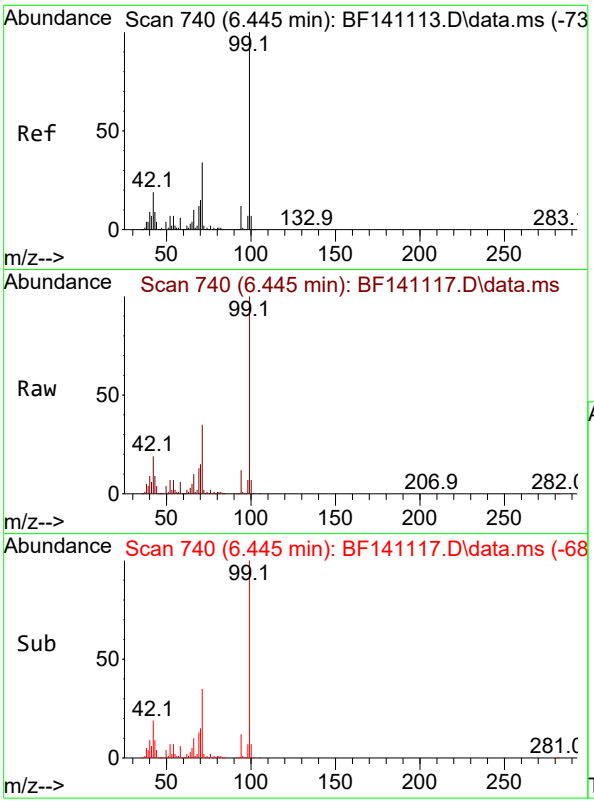




#6
Aniline
Concen: 47.577 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 93 Resp: 564714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.8 | 31.5 | 47.3 |
| 65 | 19.3 | 15.3 | 22.9 |



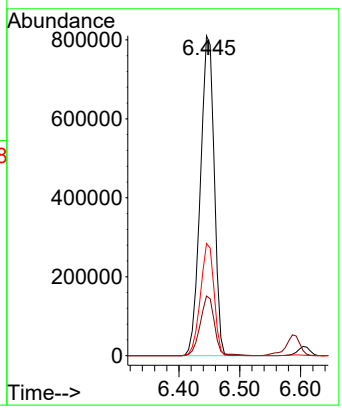


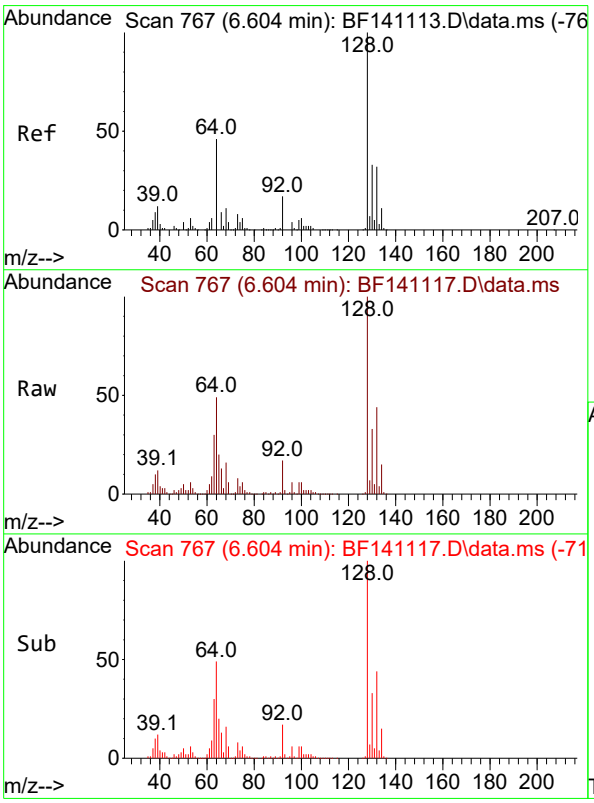

#7
Phenol-d6
Concen: 95.699 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 99 Resp: 1279370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.6 | 15.0 | 22.4 |
| 71 | 35.1 | 27.6 | 41.4 |

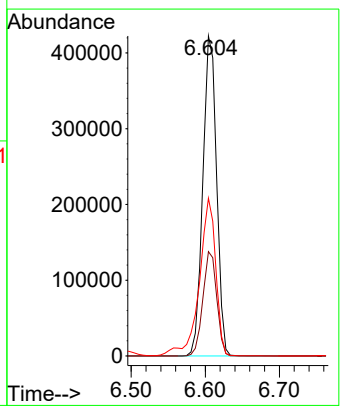


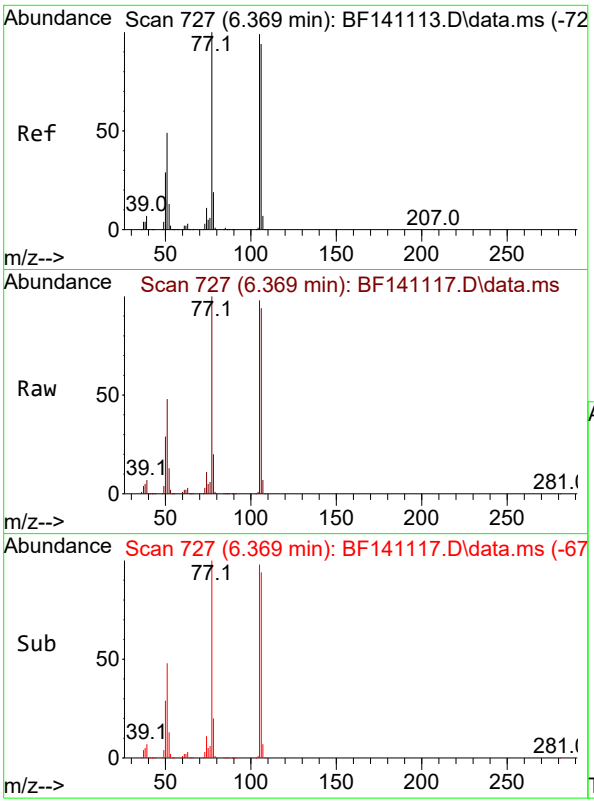




#8
2-Chlorophenol
Concen: 48.153 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:128 Resp: 545244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.6 | 12.5 | 52.5 |
| 64 | 49.3 | 28.3 | 68.3 |



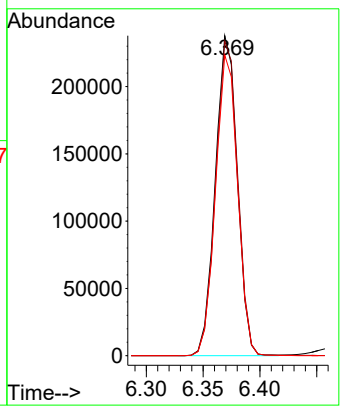


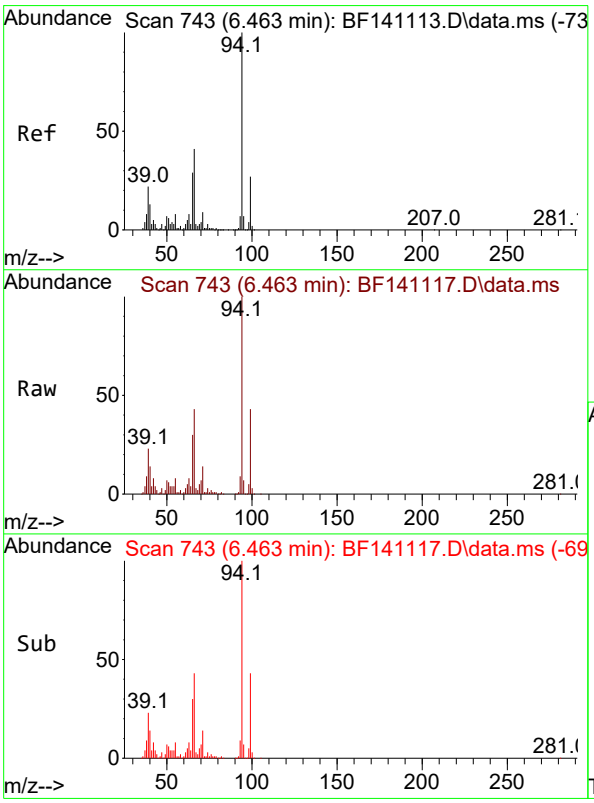

#9
Benzaldehyde
Concen: 42.669 ng
RT: 6.369 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 77 Resp: 318659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 98.3 | 78.9 | 118.9 |
| 106 | 93.9 | 73.6 | 113.6 |

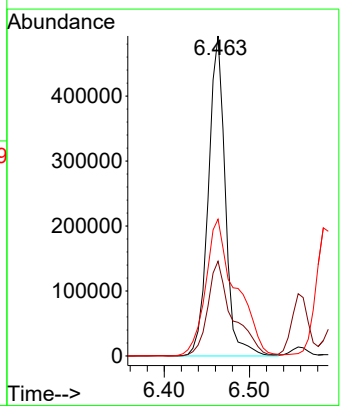


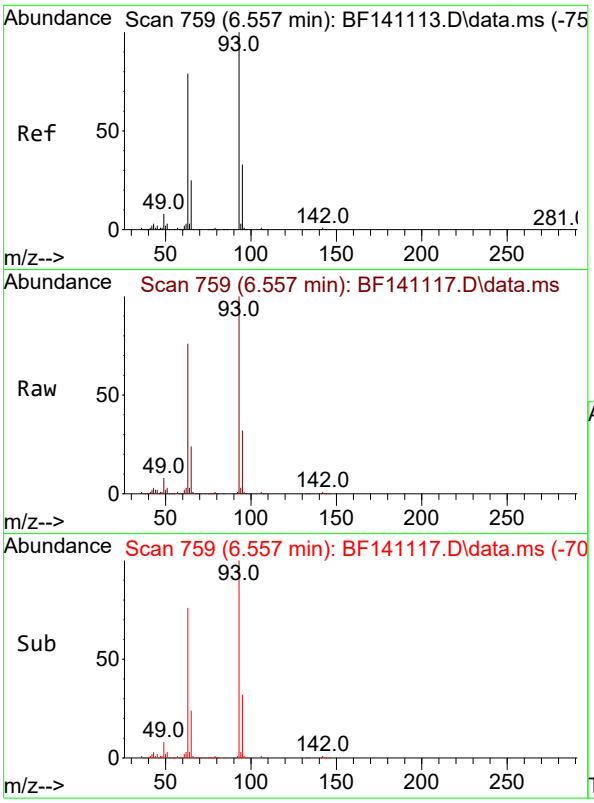




#10
Phenol
Concen: 47.420 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 94 Resp: 678615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.6 | 8.9 | 48.9 |
| 66 | 42.8 | 21.2 | 61.2 |



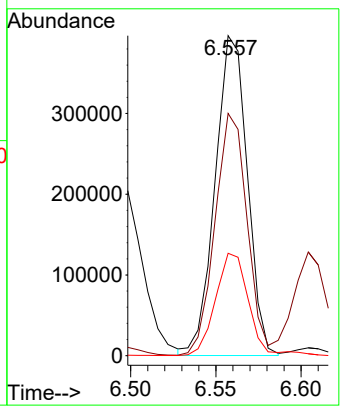


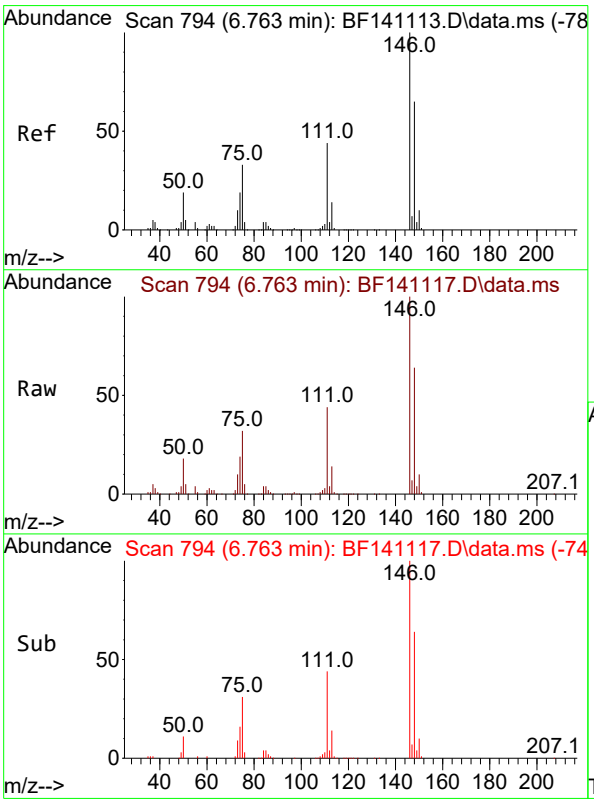

#11
bis(2-Chloroethyl)ether
Concen: 48.869 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 93 Resp: 521191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 75.7 | 58.0 | 98.0 |
| 95 | 32.0 | 12.5 | 52.5 |

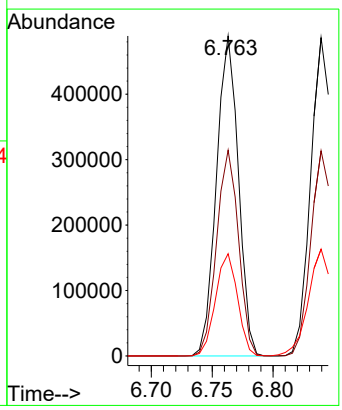


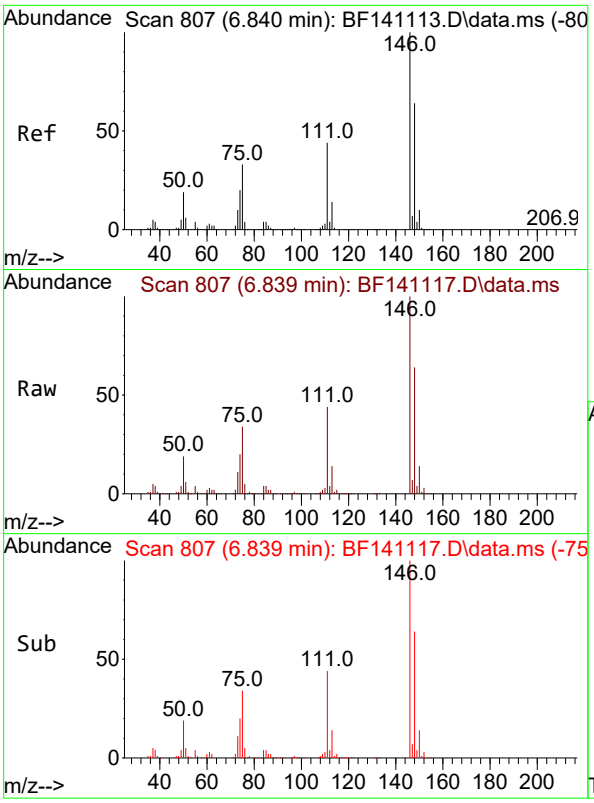




#12
1,3-Dichlorobenzene
Concen: 48.605 ng
RT: 6.763 min Scan# 794
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:146 Resp: 613813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 51.6 | 77.4 |
| 75 | 32.0 | 26.2 | 39.2 |



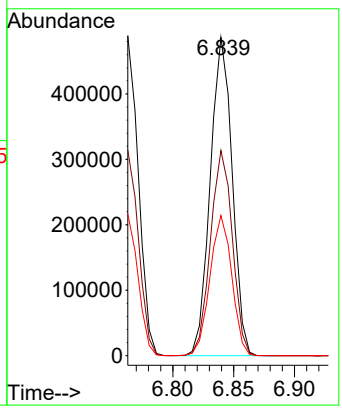


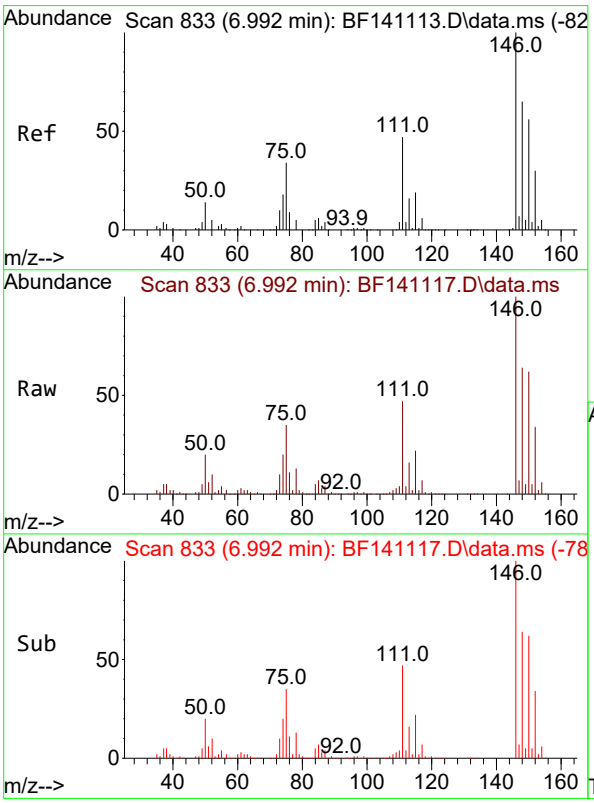

#13
1,4-Dichlorobenzene
Concen: 47.881 ng
RT: 6.839 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:146 Resp: 609332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.0 | 76.6 |
| 111 | 44.0 | 34.9 | 52.3 |

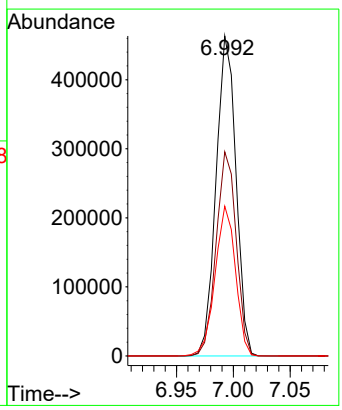


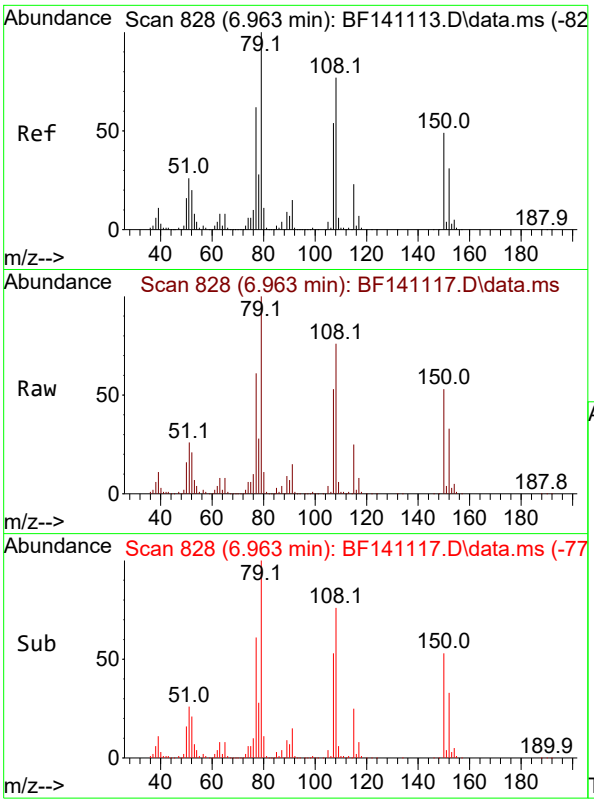




#14
1,2-Dichlorobenzene
Concen: 47.656 ng
RT: 6.992 min Scan# 833
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:146 Resp: 565717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 52.2 | 78.4 |
| 111 | 46.8 | 37.5 | 56.3 |



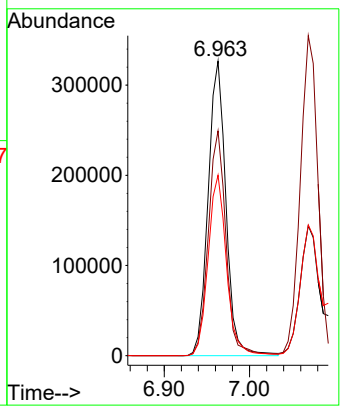


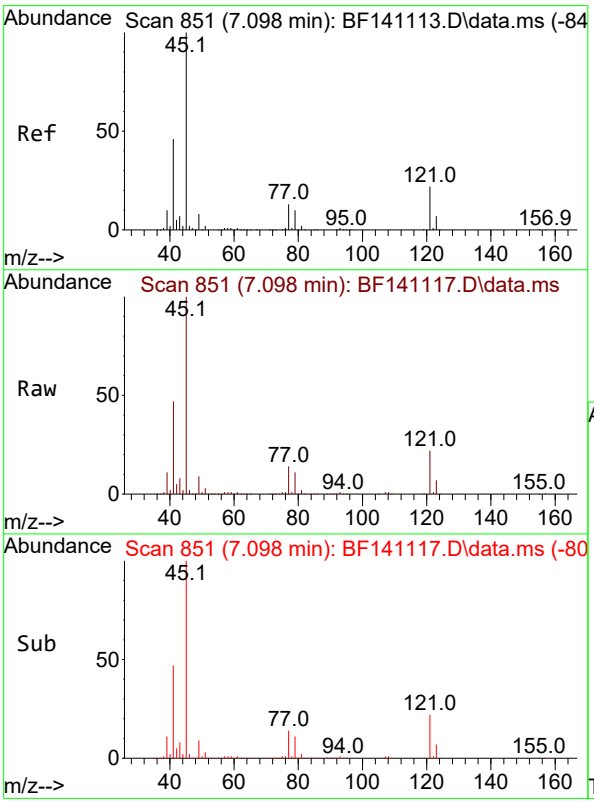

#15
Benzyl Alcohol
Concen: 49.156 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 79 Resp: 474583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.3 | 61.4 | 92.0 |
| 77 | 61.3 | 49.8 | 74.6 |

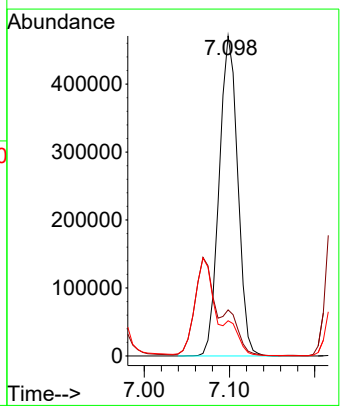


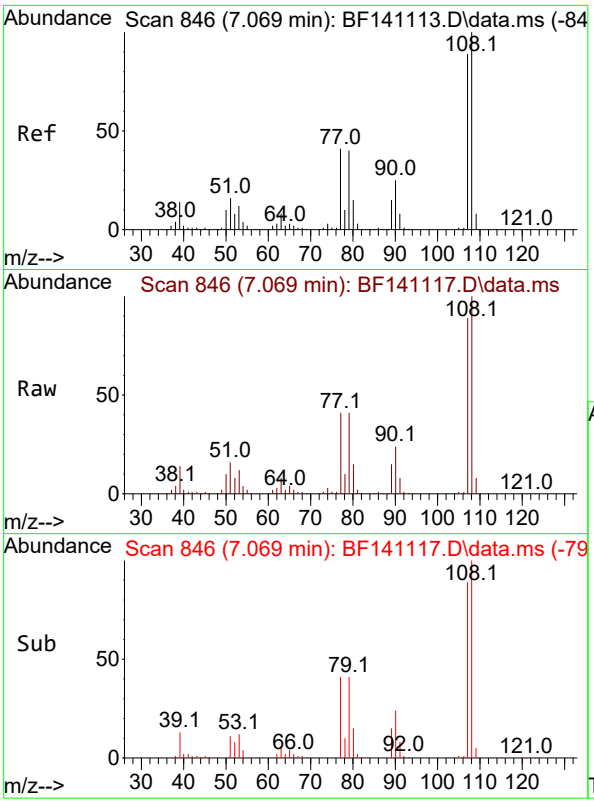




#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.824 ng
RT: 7.098 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 45 Resp: 711735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.4 | 0.0 | 34.1 |
| 79 | 11.0 | 0.0 | 31.0 |



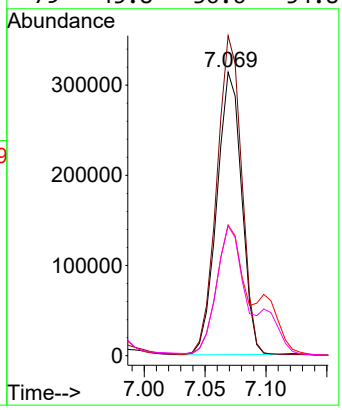


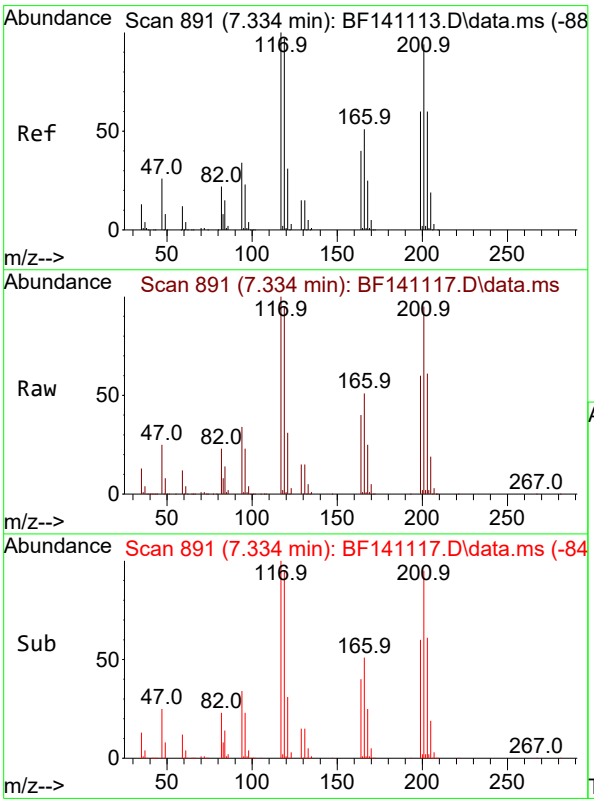

#17
2-Methylphenol
Concen: 48.644 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:107 Resp: 444678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.9 | 90.1 | 135.1 |
| 77 | 46.1 | 36.6 | 55.0 |
| 79 | 45.8 | 36.6 | 54.8 |

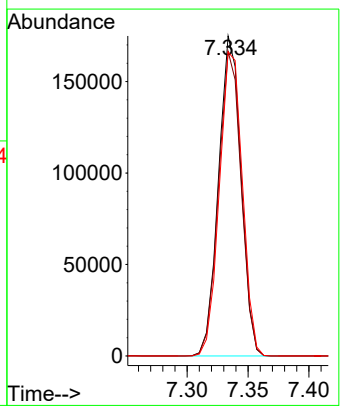


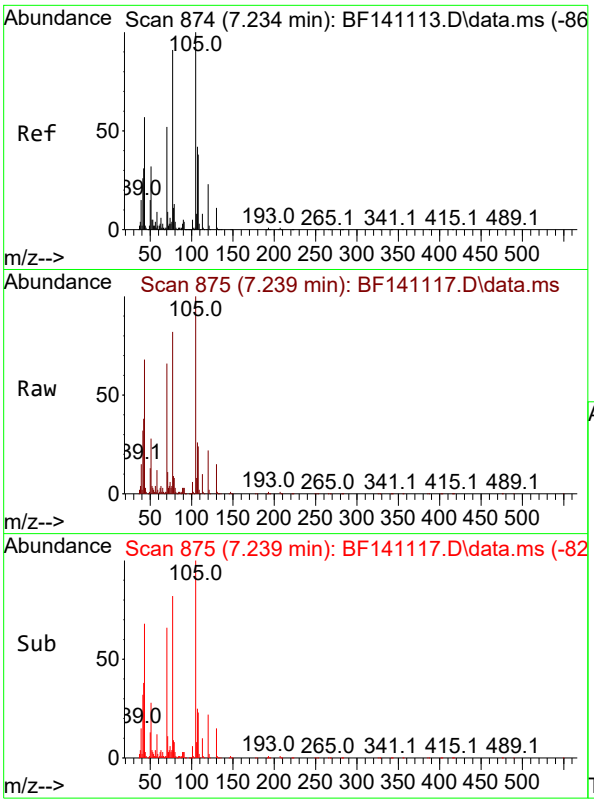




#18
Hexachloroethane
Concen: 48.837 ng
RT: 7.334 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:117 Resp: 224751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.2 | 77.6 | 116.4 |
| 201 | 95.1 | 75.1 | 112.7 |



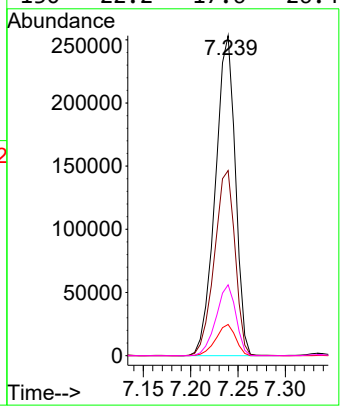


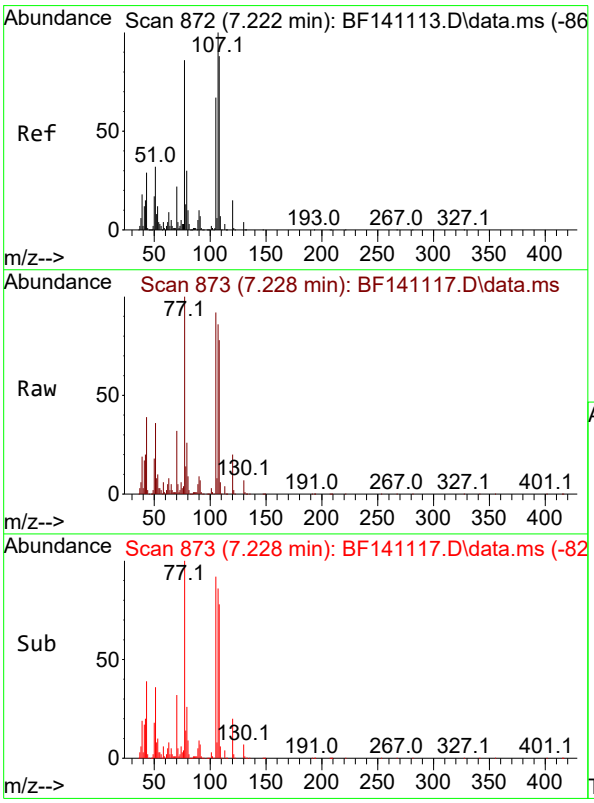

#19
n-Nitroso-di-n-propylamine
Concen: 47.373 ng
RT: 7.239 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 70 Resp: 373068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.9 | 47.8 | 71.6 |
| 101 | 9.7 | 7.9 | 11.9 |
| 130 | 22.2 | 17.6 | 26.4 |

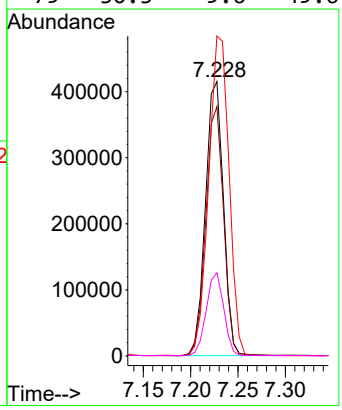


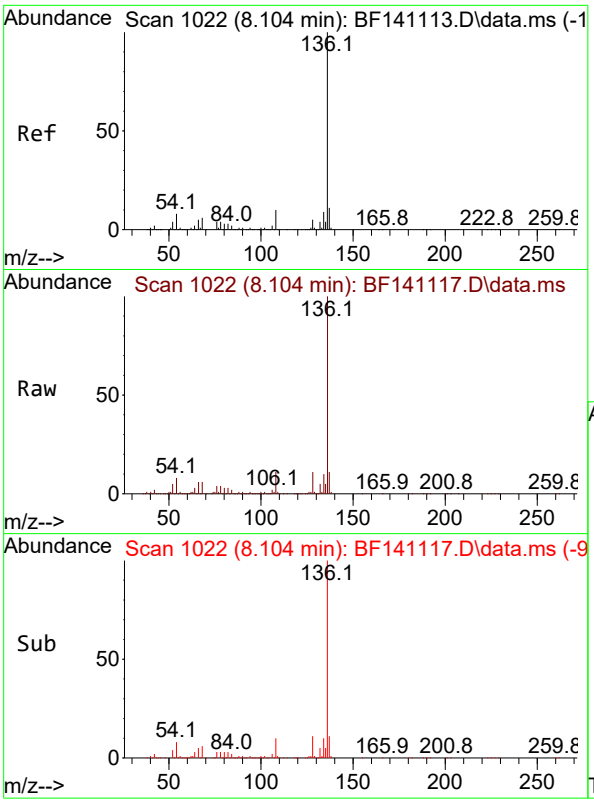




#20
3+4-Methylphenols
Concen: 47.429 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:107 Resp: 546998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.9 | 68.3 | 108.3 |
| 77 | 116.6 | 66.4 | 106.4# |
| 79 | 30.3 | 9.6 | 49.6 |



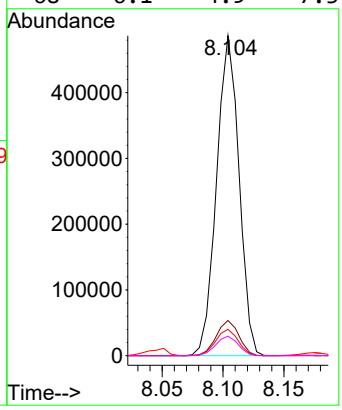


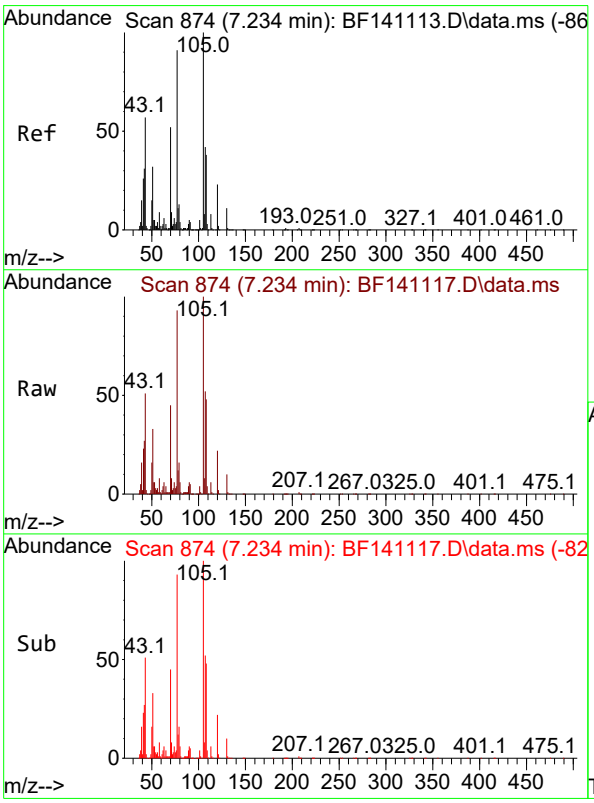

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:136 Resp: 625072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 8.3 | 6.3 | 9.5 |
| 68 | 6.1 | 4.9 | 7.3 |

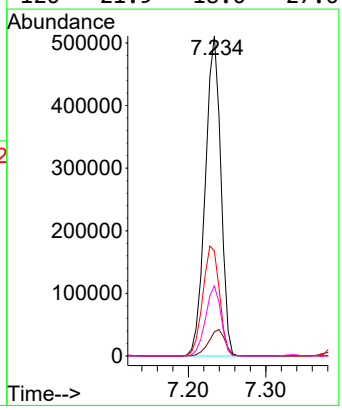


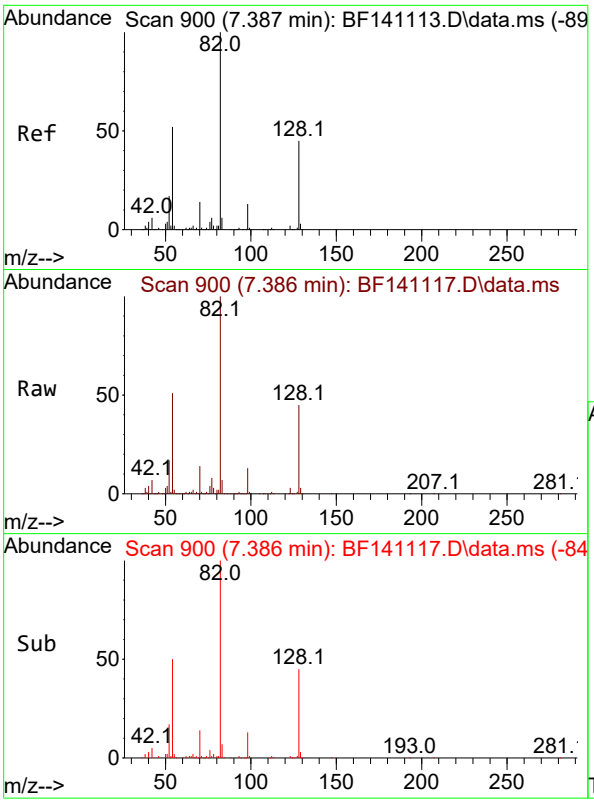




#22
Acetophenone
Concen: 47.871 ng
RT: 7.234 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:105 Resp: 711333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.5 | 7.1 | 10.7 |
| 51 | 32.9 | 25.4 | 38.2 |
| 120 | 21.9 | 18.0 | 27.0 |



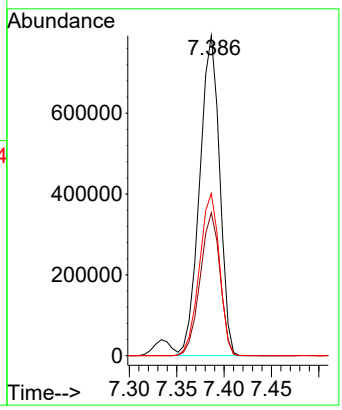


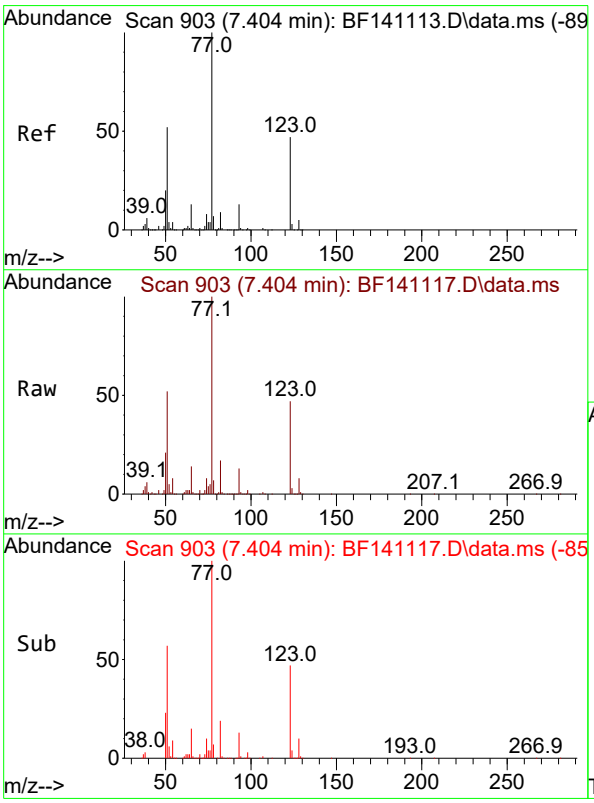

#23
Nitrobenzene-d5
Concen: 98.108 ng
RT: 7.386 min Scan# 9(
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 82 Resp: 1156878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.6 | 36.1 | 54.1 |
| 54 | 50.7 | 41.0 | 61.4 |

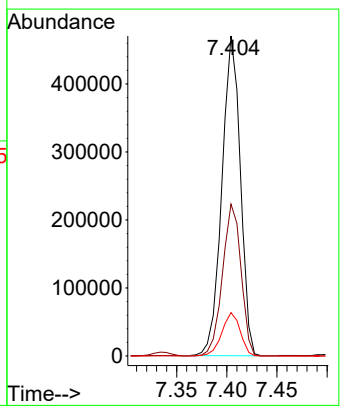


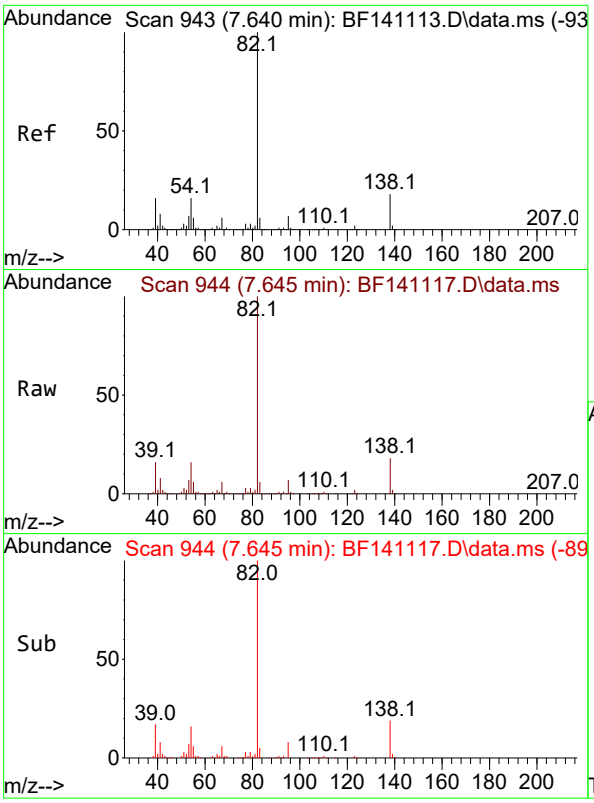




#24
Nitrobenzene
Concen: 48.807 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 77 Resp: 599817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.5 | 37.7 | 56.5 |
| 65 | 13.6 | 10.6 | 16.0 |



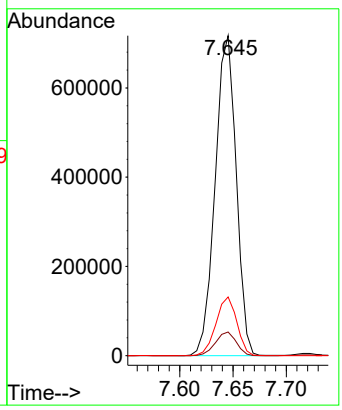


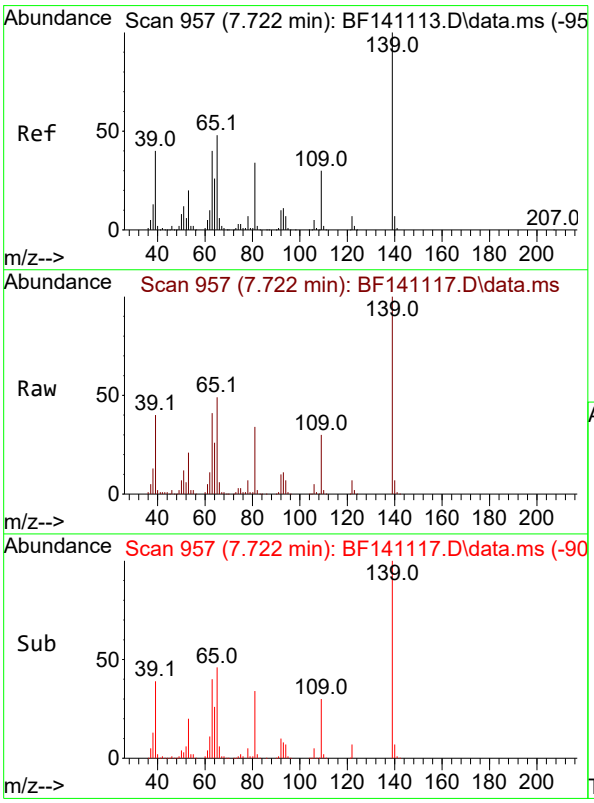

#25
Isophorone
Concen: 48.754 ng
RT: 7.645 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 82 Resp: 982492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.4 | 5.9 | 8.9 |
| 138 | 18.3 | 14.2 | 21.2 |

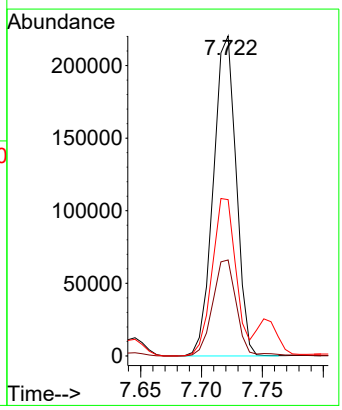


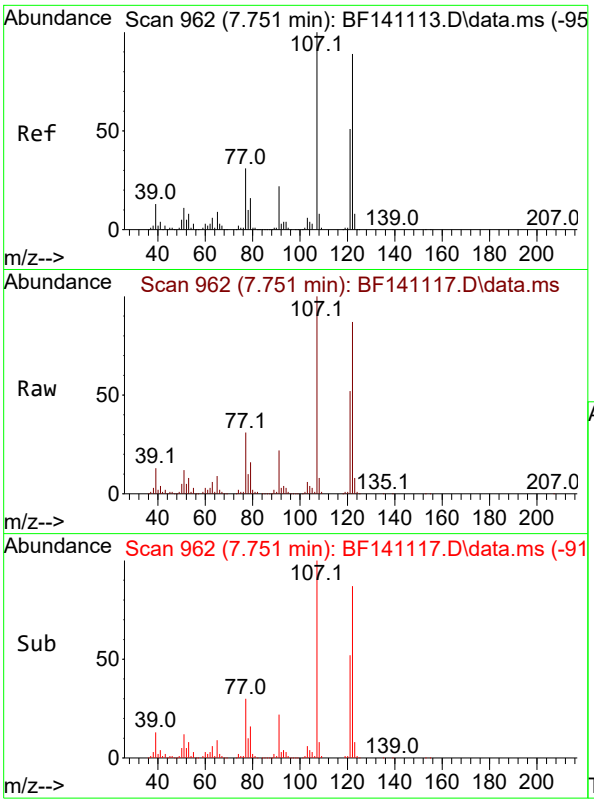




#26
2-Nitrophenol
Concen: 51.416 ng
RT: 7.722 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:139 Resp: 287436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.0 | 23.8 | 35.6 |
| 65 | 48.8 | 38.5 | 57.7 |



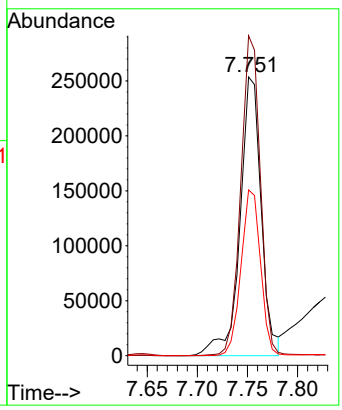


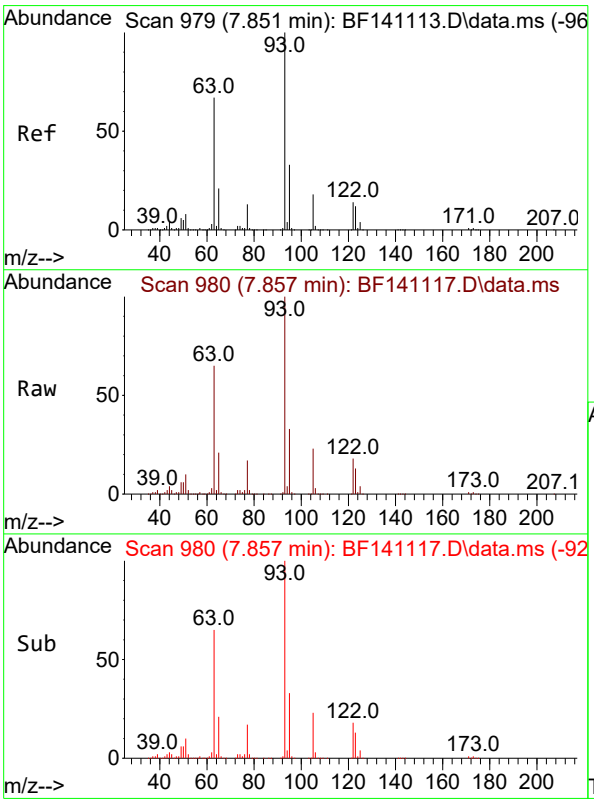

#27
2,4-Dimethylphenol
Concen: 49.629 ng
RT: 7.751 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:122 Resp: 374236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.8 | 90.3 | 135.5 |
| 121 | 59.5 | 46.5 | 69.7 |

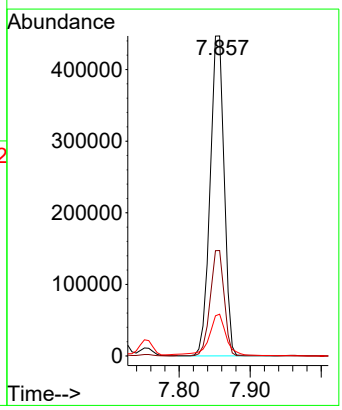


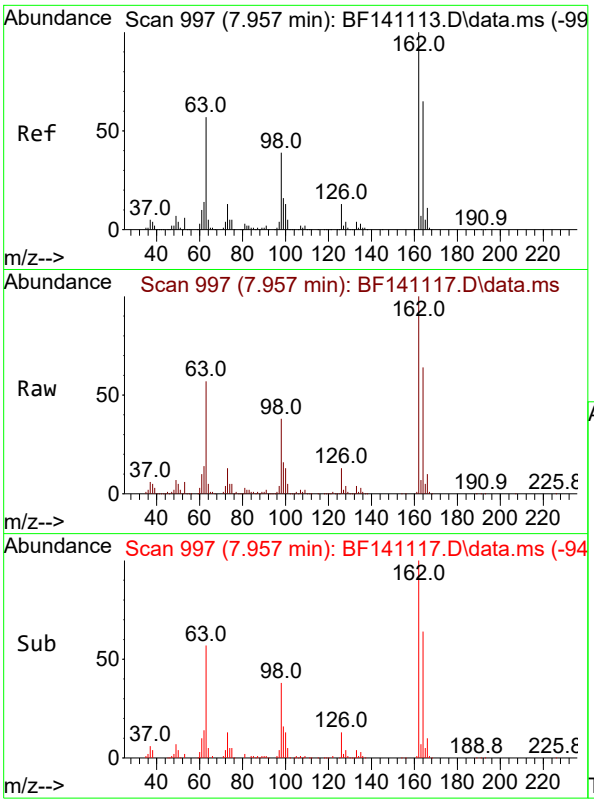




#28
bis(2-Chloroethoxy)methane
Concen: 48.594 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 93 Resp: 614567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.0 | 26.2 | 39.4 |
| 123 | 13.1 | 10.1 | 15.1 |



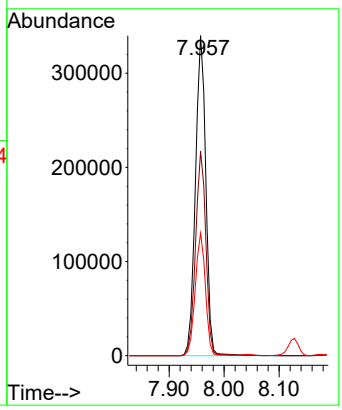


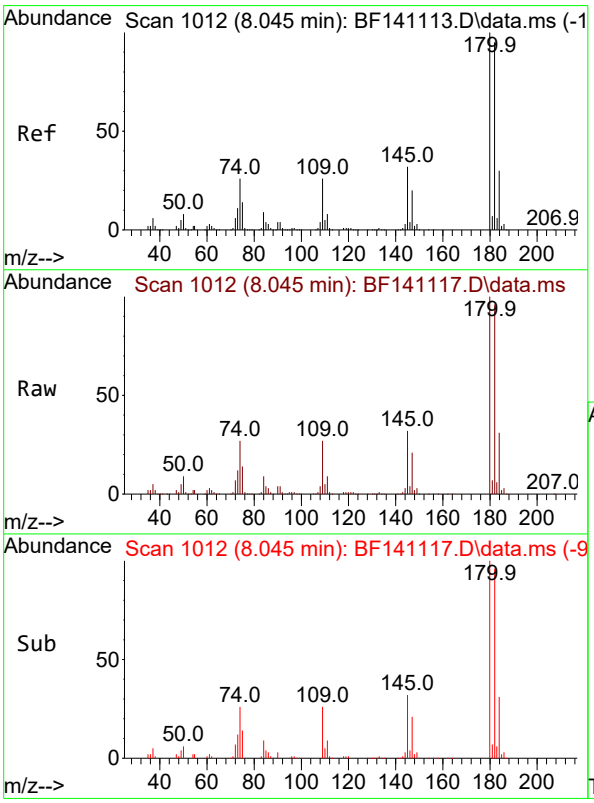

#29
2,4-Dichlorophenol
Concen: 49.935 ng
RT: 7.957 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:162 Resp: 447208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.9 | 44.5 | 84.5 |
| 98 | 38.3 | 18.5 | 58.5 |

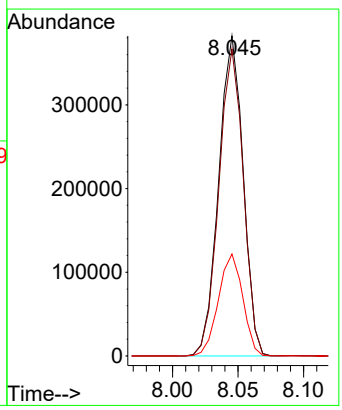


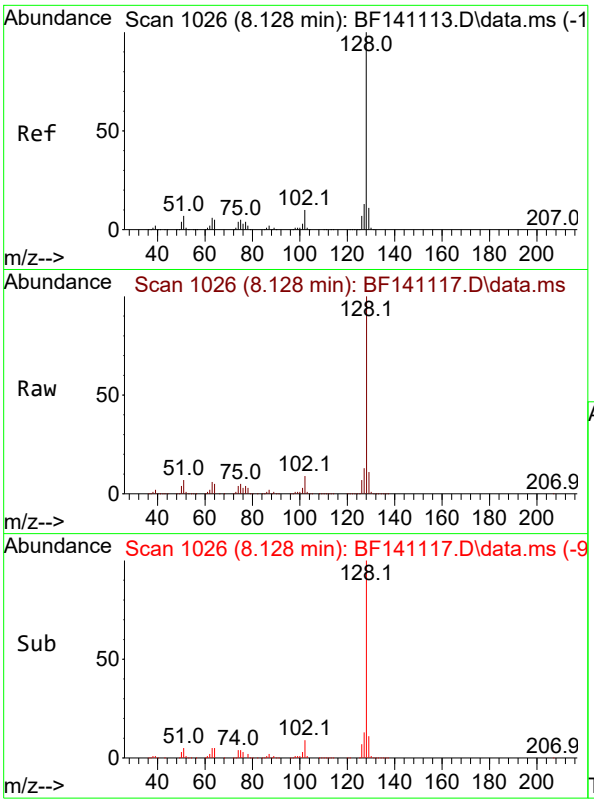




#30
1,2,4-Trichlorobenzene
Concen: 48.394 ng
RT: 8.045 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:180 Resp: 495397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 76.2 | 114.2 |
| 145 | 31.8 | 25.3 | 37.9 |



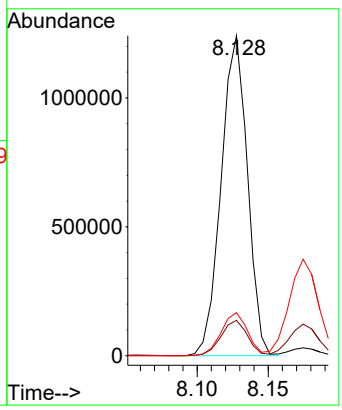


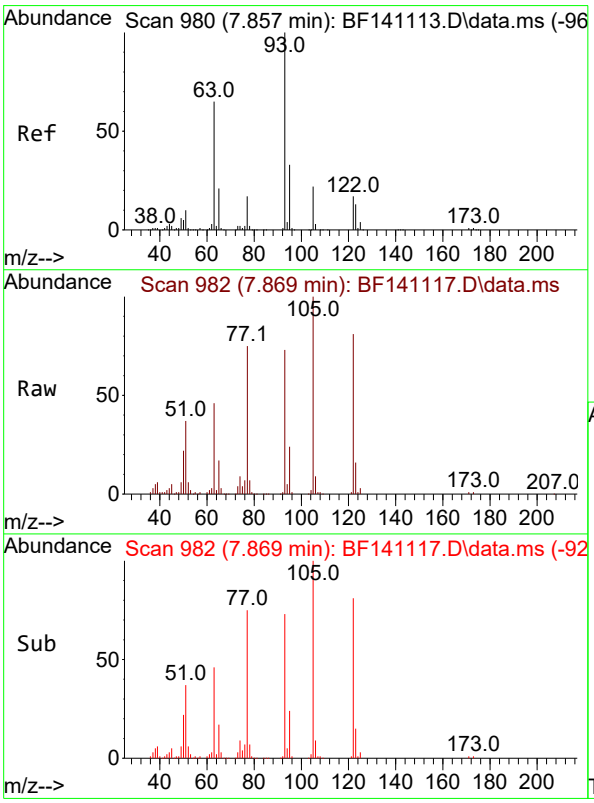

#31
Naphthalene
Concen: 48.495 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:128 Resp: 1598576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 9.0 | 13.6 |
| 127 | 13.5 | 10.8 | 16.2 |

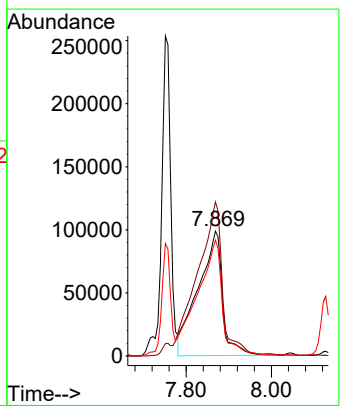


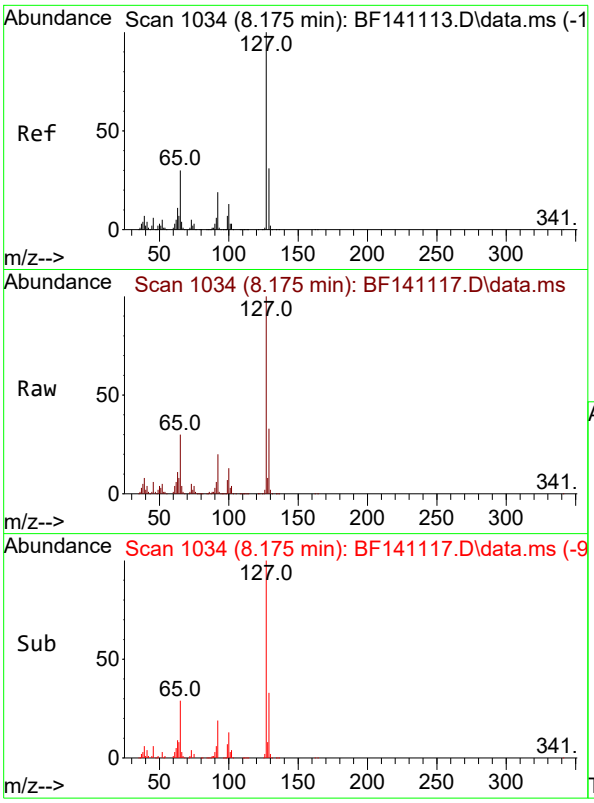




#32
Benzoic acid
Concen: 54.138 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.012 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:122 Resp: 391608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.5 | 105.5 | 145.5 |
| 77 | 92.8 | 75.1 | 115.1 |



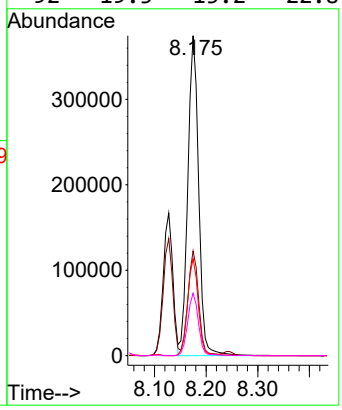


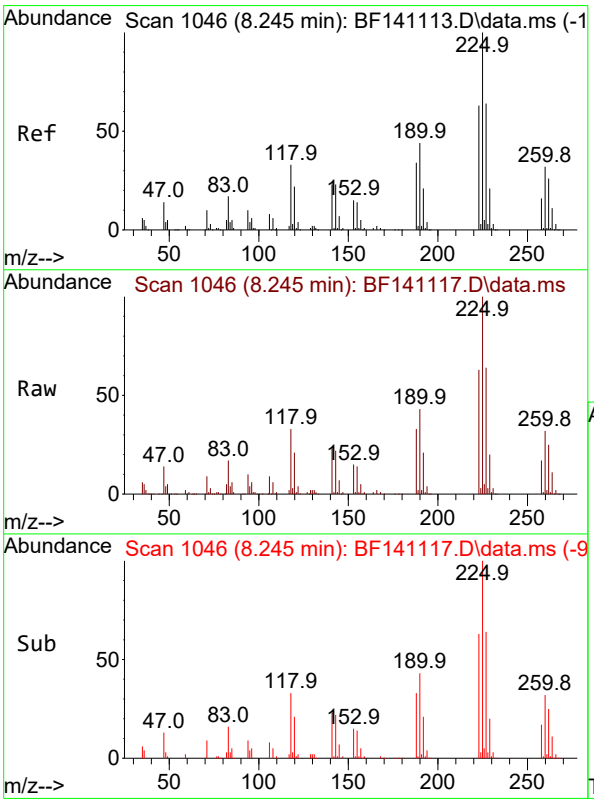

#33
4-Chloroaniline
Concen: 47.801 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:127 Resp: 544930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.7 | 25.9 | 38.9 |
| 65 | 30.3 | 23.8 | 35.8 |
| 92 | 19.5 | 15.2 | 22.8 |

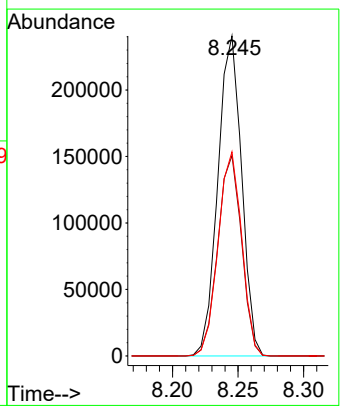


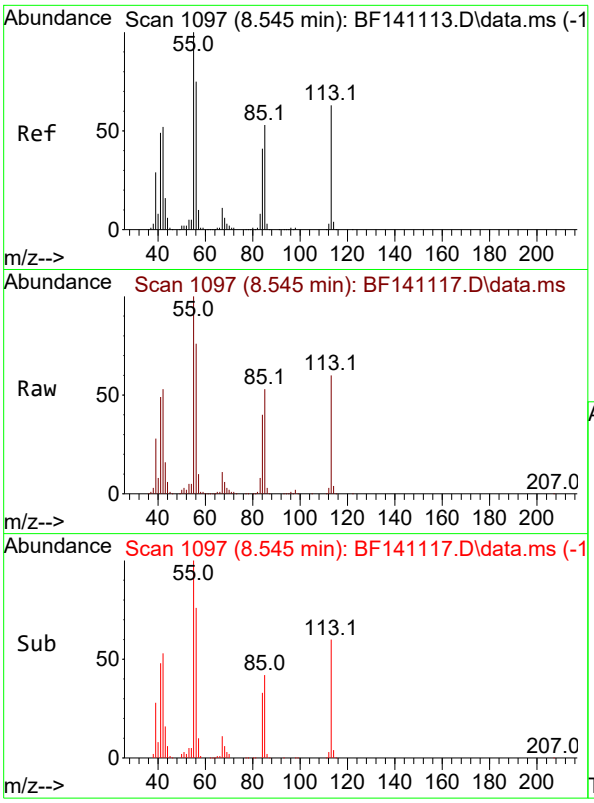




#34
Hexachlorobutadiene
Concen: 49.102 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:225 Resp: 302873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.6 | 50.6 | 76.0 |
| 227 | 63.8 | 51.6 | 77.4 |



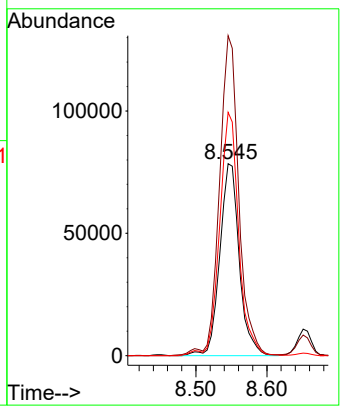


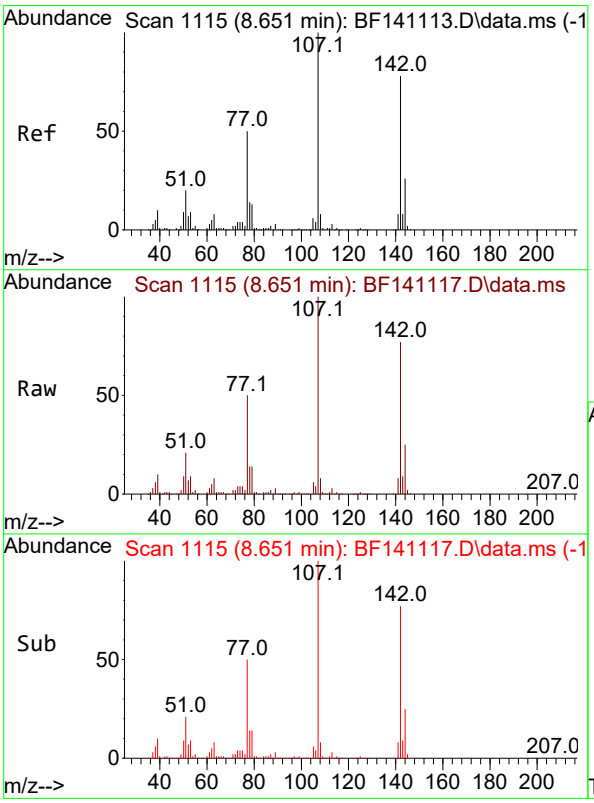

#35
Caprolactam
Concen: 50.598 ng
RT: 8.545 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:113 Resp: 148641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 166.6 | 139.7 | 179.7 |
| 56 | 126.8 | 99.4 | 139.4 |

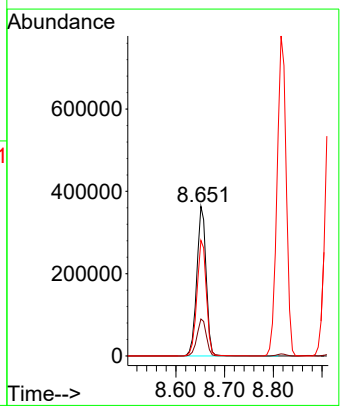


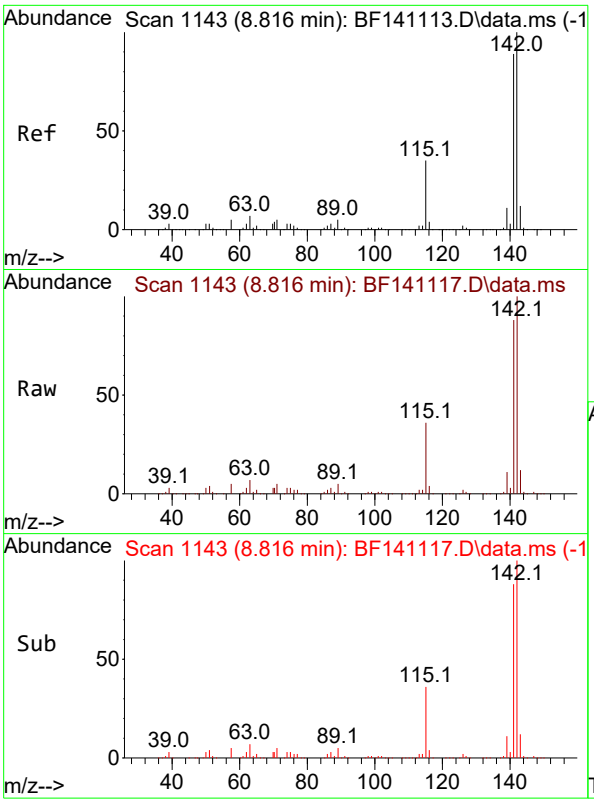




#36
4-Chloro-3-methylphenol
Concen: 49.859 ng
RT: 8.651 min Scan# 1115
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:107 Resp: 488345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.7 | 20.4 | 30.6 |
| 142 | 77.2 | 62.2 | 93.2 |



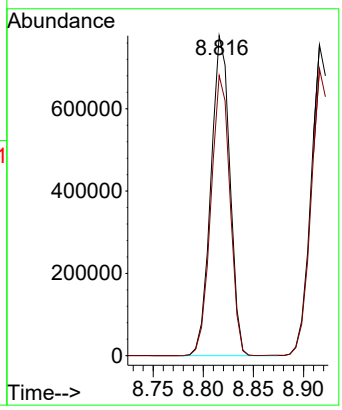


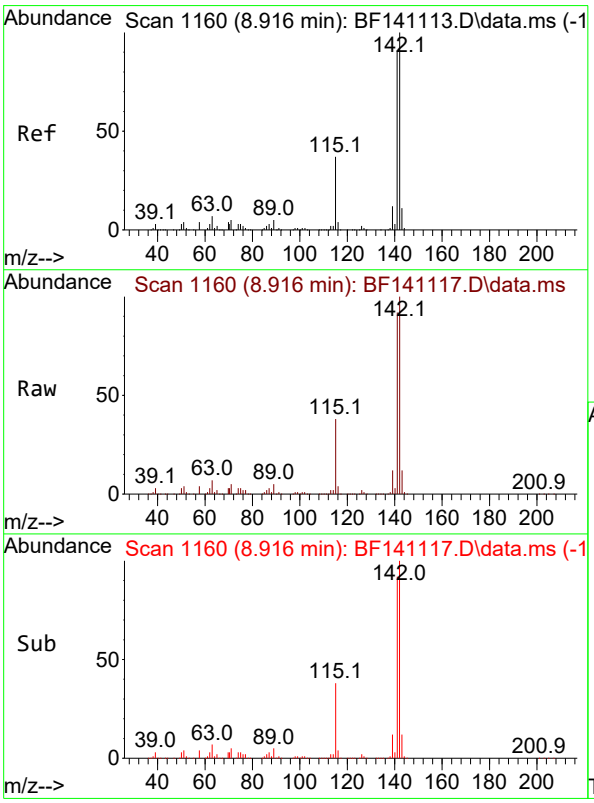

#37
2-Methylnaphthalene
Concen: 48.619 ng
RT: 8.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:142 Resp: 1021264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.5 | 71.3 | 106.9 |

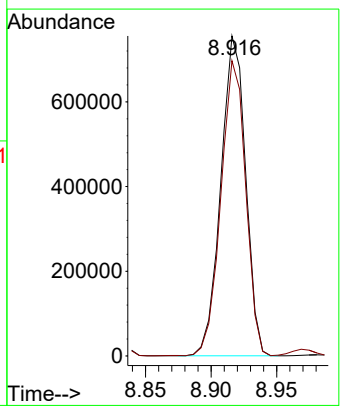


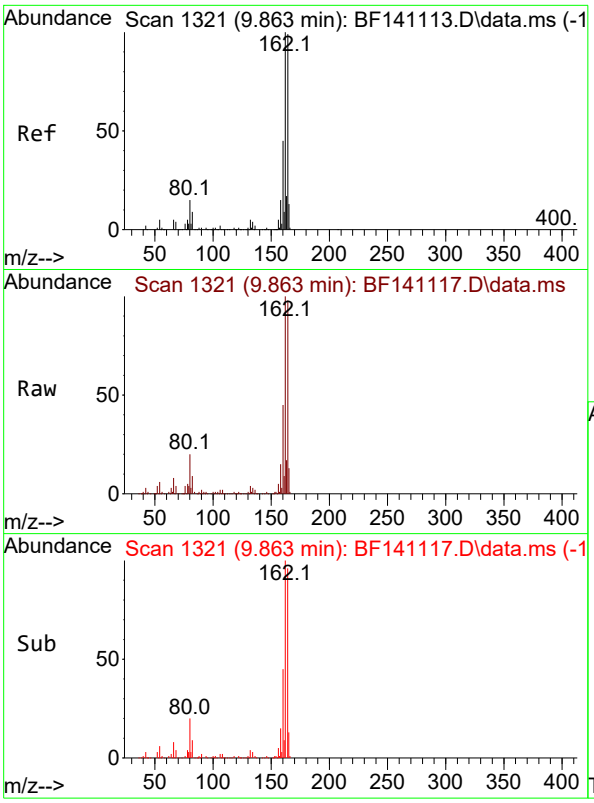




#38
1-Methylnaphthalene
Concen: 47.950 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:142 Resp: 992651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.3 | 73.1 | 109.7 |



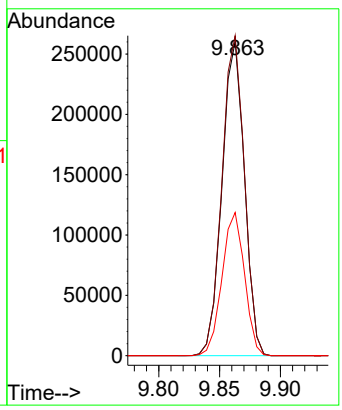


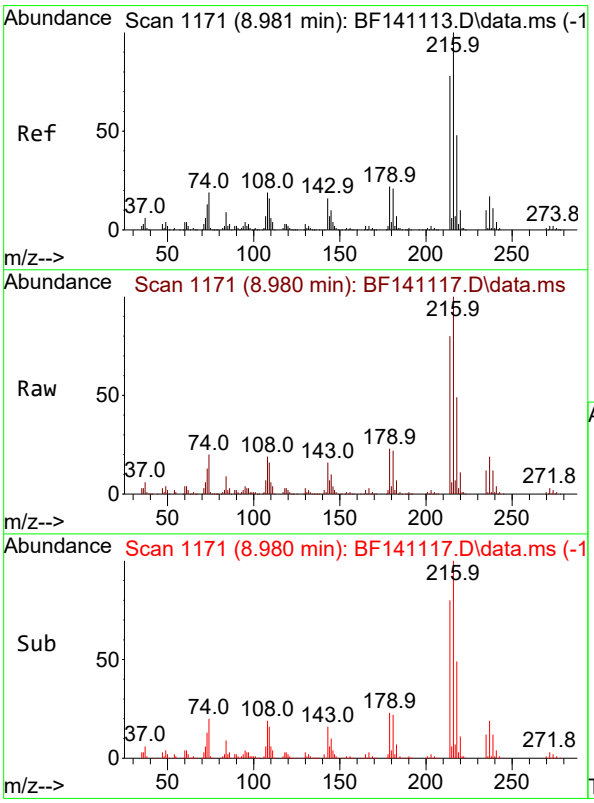

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:164 Resp: 333513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.9 | 81.0 | 121.4 |
| 160 | 45.6 | 36.1 | 54.1 |

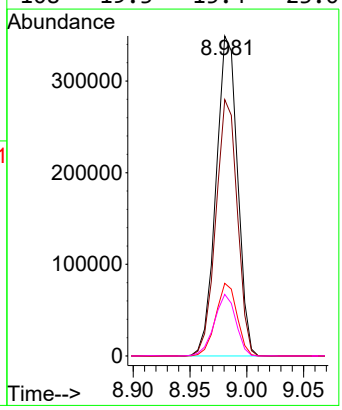


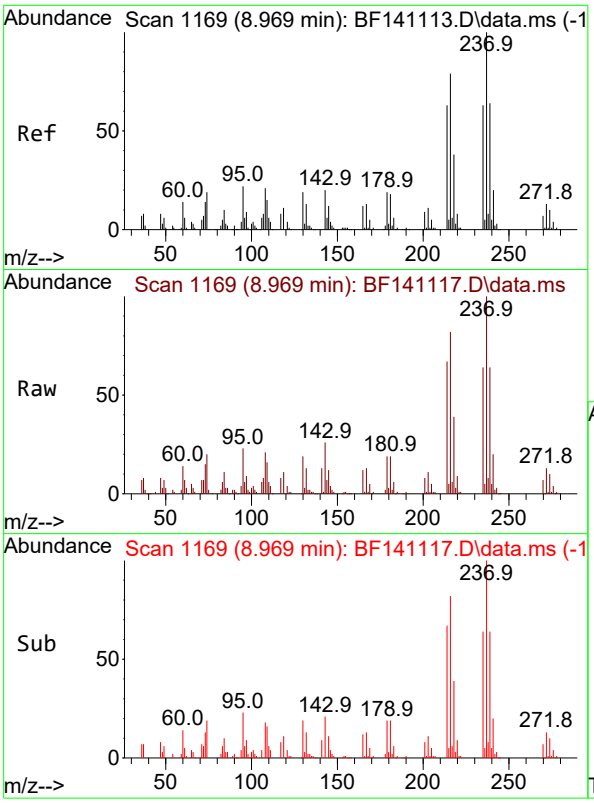




#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.082 ng
RT: 8.980 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:216 Resp: 460261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.7 | 62.6 | 94.0 |
| 179 | 22.3 | 17.7 | 26.5 |
| 108 | 19.3 | 15.4 | 23.0 |



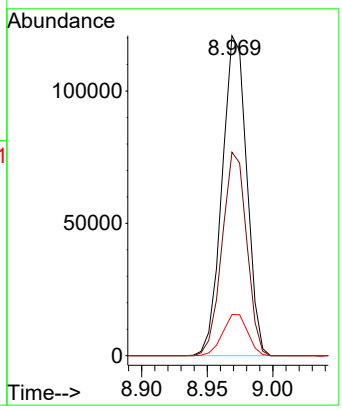


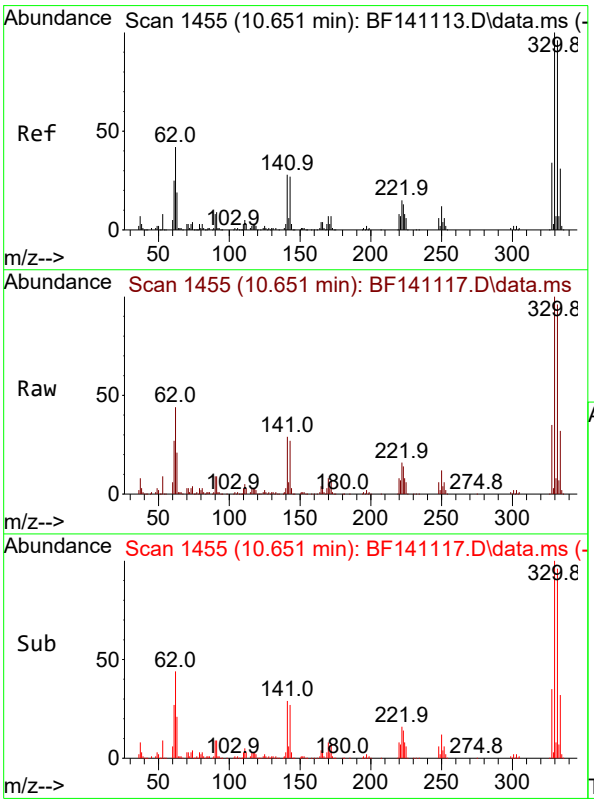

#41
Hexachlorocyclopentadiene
Concen: 50.395 ng
RT: 8.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:237 Resp: 157828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.6 | 43.0 | 83.0 |
| 272 | 12.8 | 0.0 | 33.0 |

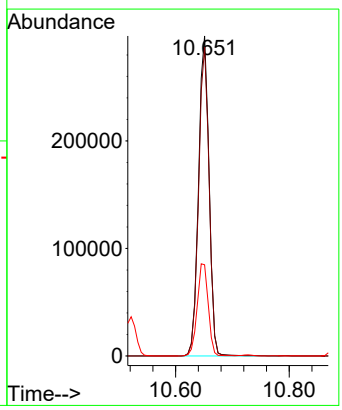


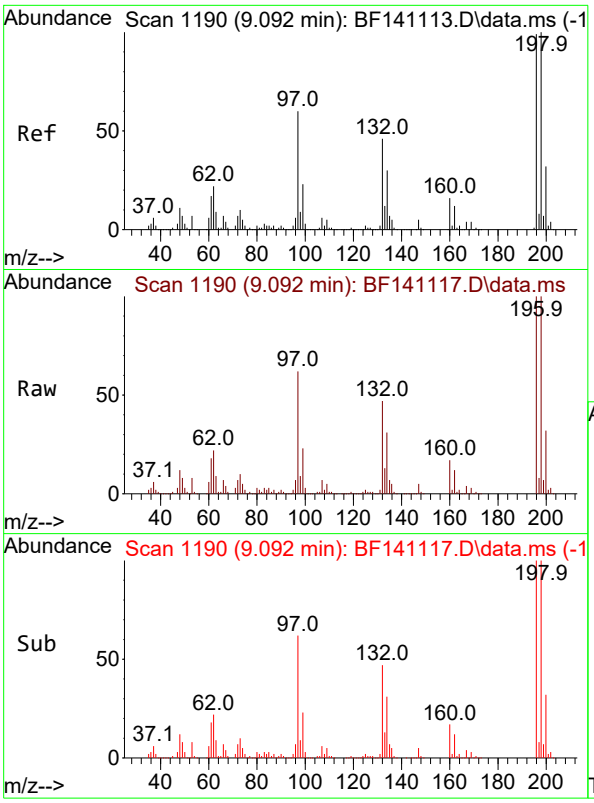




#42
2,4,6-Tribromophenol
Concen: 101.033 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:330 Resp: 383942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 76.9 | 115.3 |
| 141 | 30.2 | 25.2 | 37.8 |



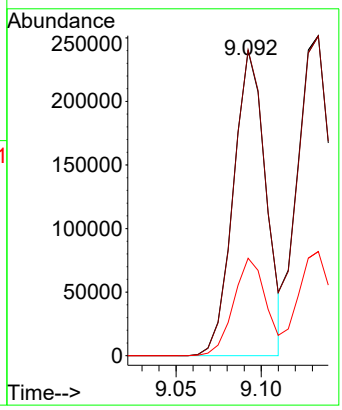


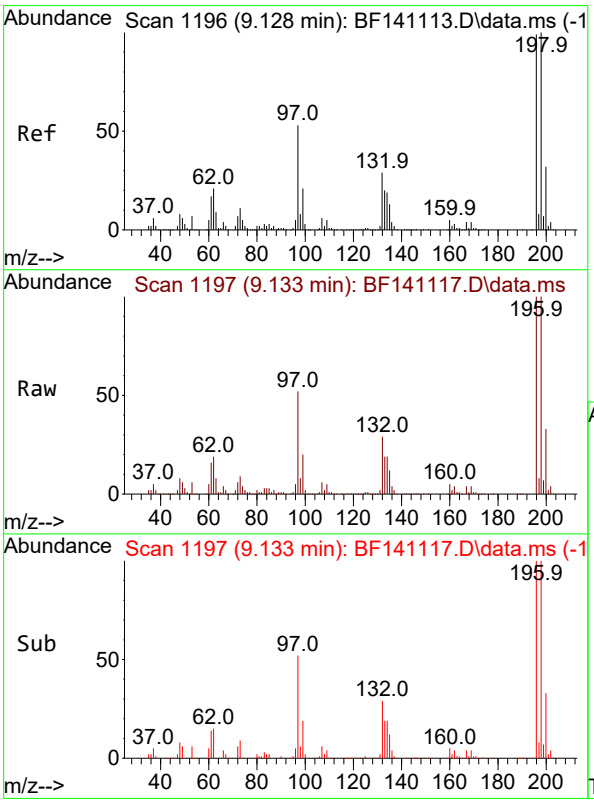

#43
2,4,6-Trichlorophenol
Concen: 49.299 ng
RT: 9.092 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:196 Resp: 318276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.3 | 80.8 | 121.2 |
| 200 | 32.0 | 25.7 | 38.5 |

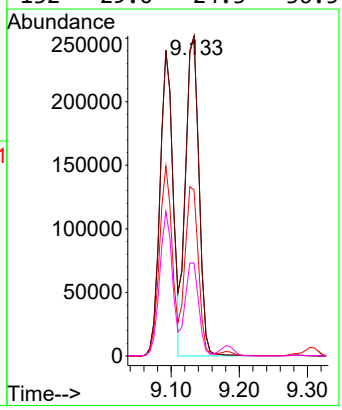


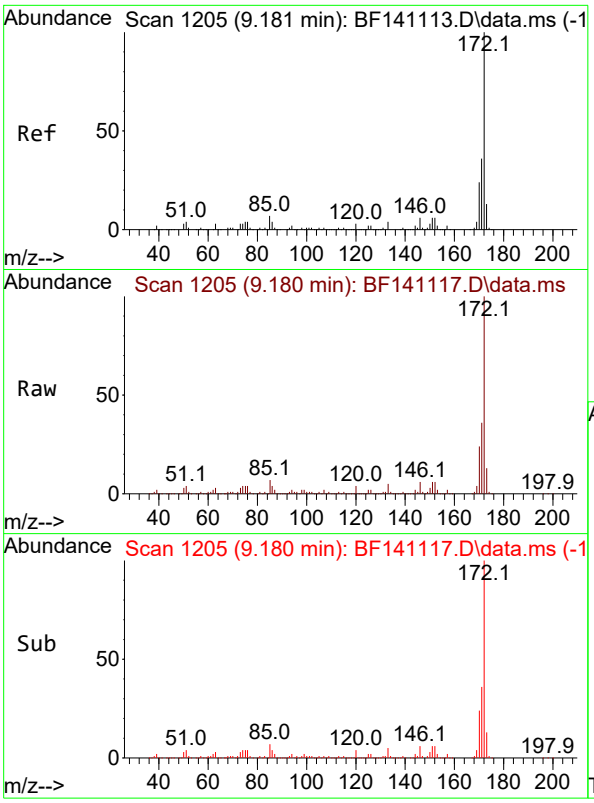




#44
2,4,5-Trichlorophenol
Concen: 50.201 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:196 Resp: 342288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.9 | 80.6 | 120.8 |
| 97 | 51.9 | 43.1 | 64.7 |
| 132 | 29.0 | 24.3 | 36.5 |



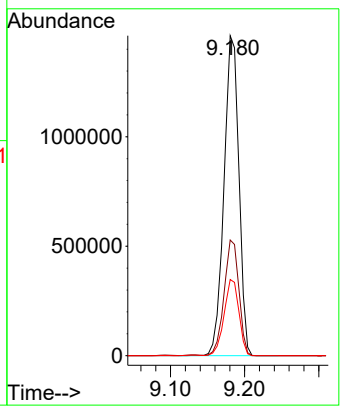


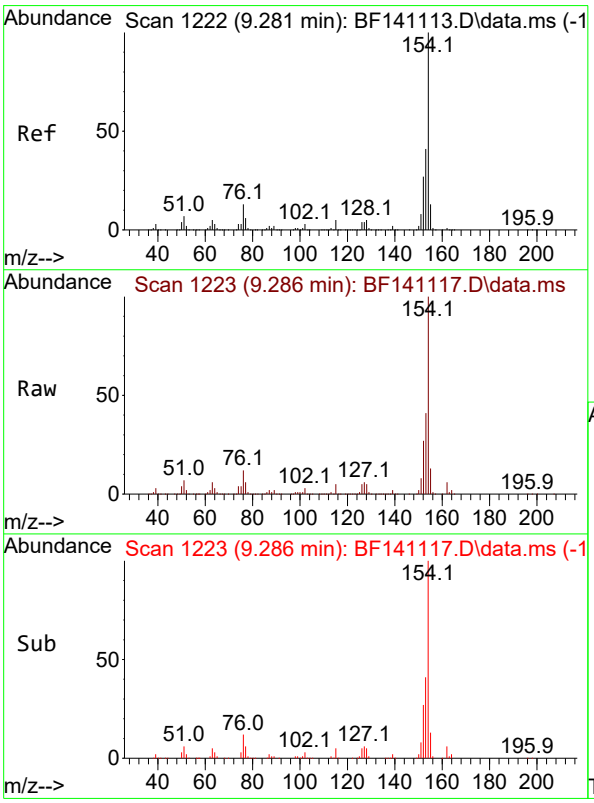

#45
2-Fluorobiphenyl
Concen: 93.427 ng
RT: 9.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:172 Resp: 2040487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 28.7 | 43.1 |
| 170 | 23.8 | 19.0 | 28.6 |

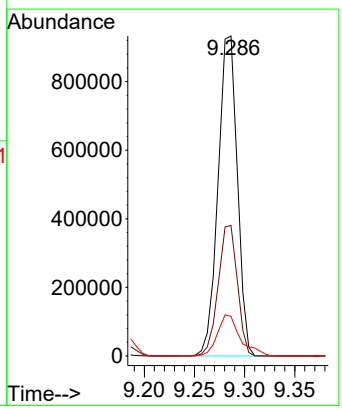


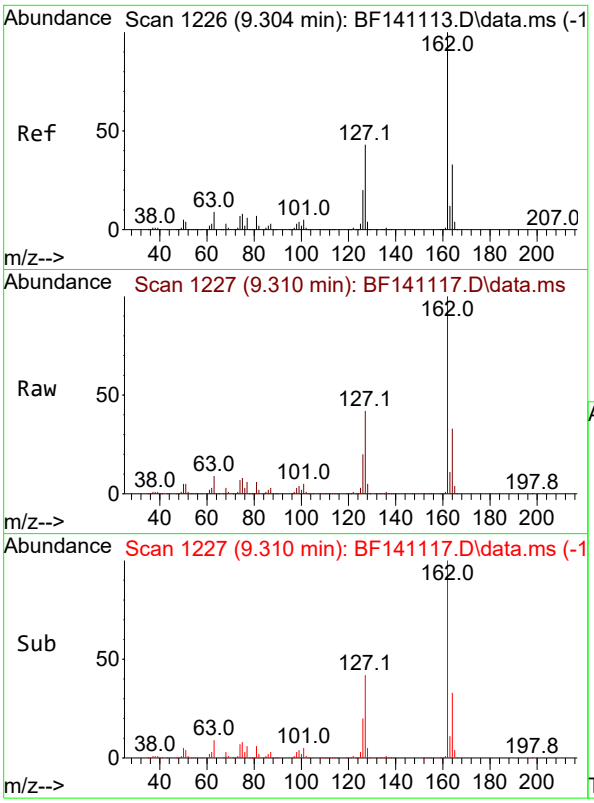




#46
1,1'-Biphenyl
Concen: 48.003 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:154 Resp: 1243305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.8 | 20.7 | 60.7 |
| 76 | 12.4 | 0.0 | 33.1 |



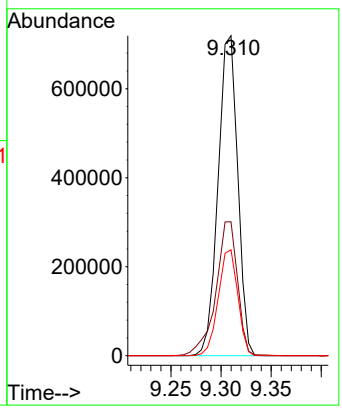


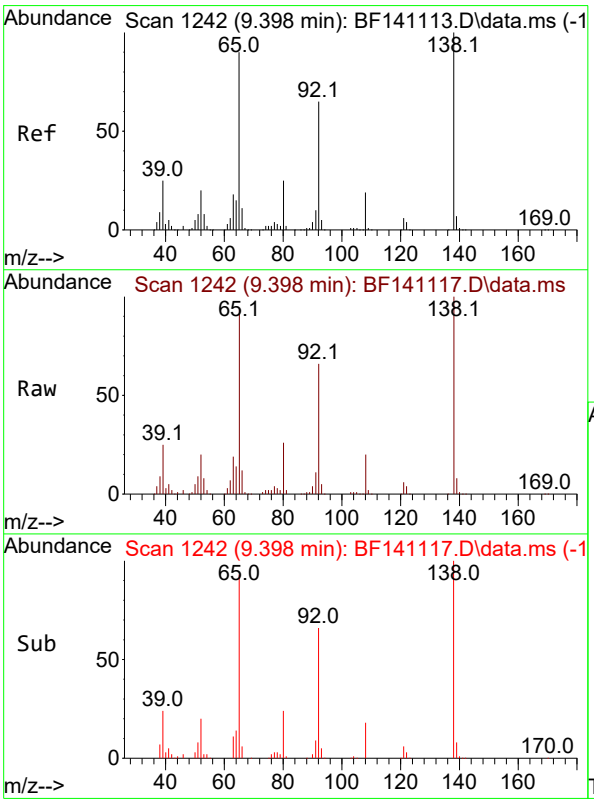

#47
2-Chloronaphthalene
Concen: 48.530 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:162 Resp: 979002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.9 | 34.6 | 51.8 |
| 164 | 33.1 | 26.5 | 39.7 |

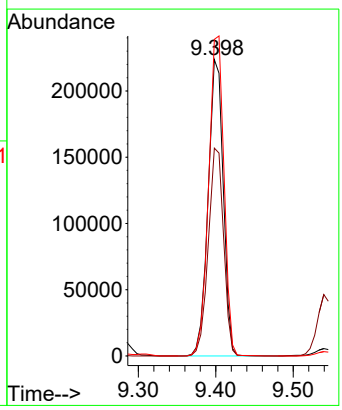


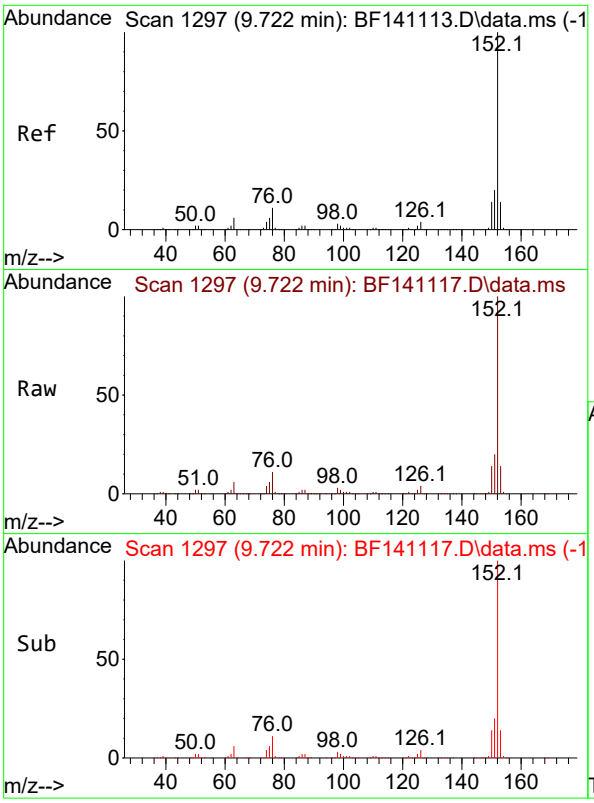




#48
2-Nitroaniline
Concen: 50.844 ng
RT: 9.398 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 65 Resp: 304048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.1 | 58.3 | 87.5 |
| 138 | 106.9 | 89.1 | 133.7 |



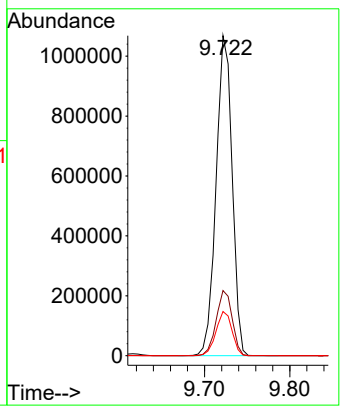


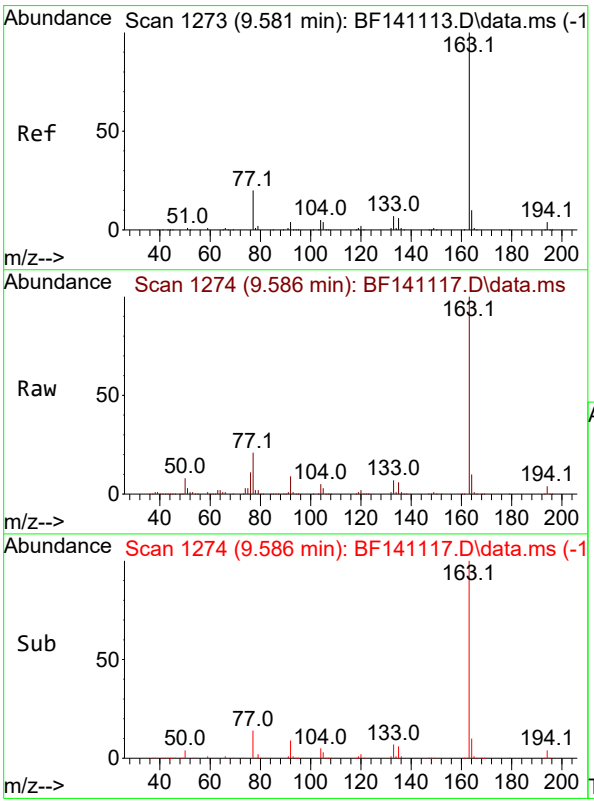

#49
Acenaphthylene
Concen: 48.539 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:152 Resp: 1398990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.1 | 24.1 |
| 153 | 13.8 | 11.1 | 16.7 |

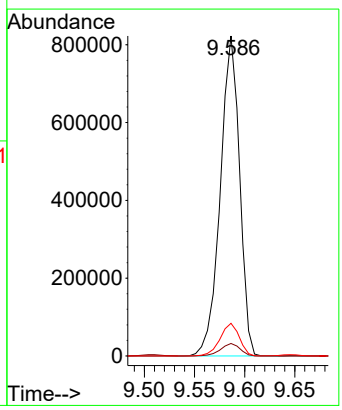


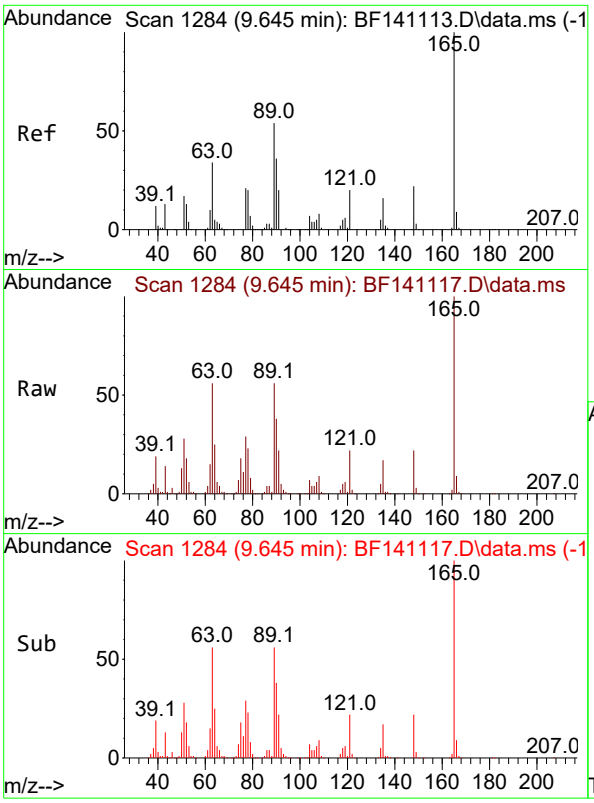




#50
Dimethylphthalate
Concen: 49.076 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:163 Resp: 1098805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.0 | 4.6 |
| 164 | 10.2 | 8.2 | 12.4 |



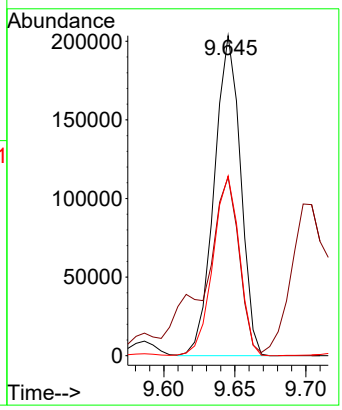


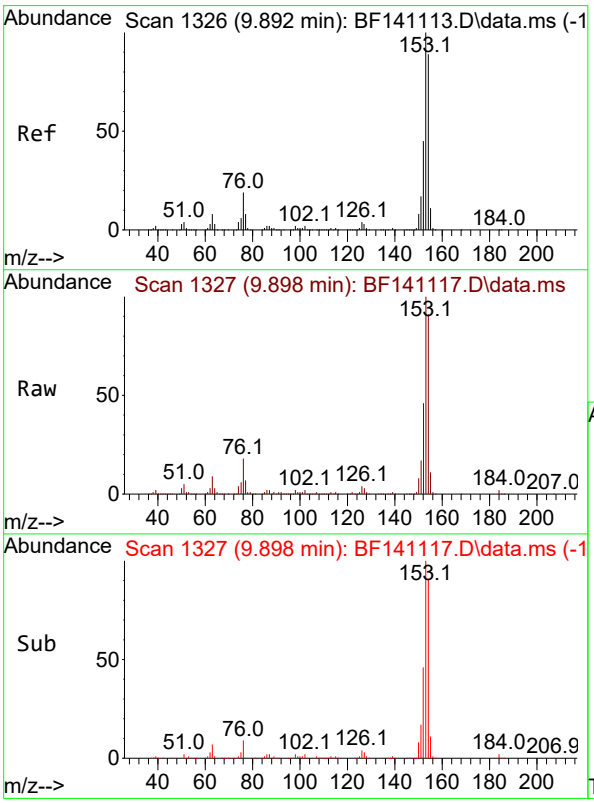

#51
2,6-Dinitrotoluene
Concen: 50.434 ng
RT: 9.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:165 Resp: 262596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 55.8 | 42.3 | 63.5 |
| 89 | 56.1 | 43.1 | 64.7 |

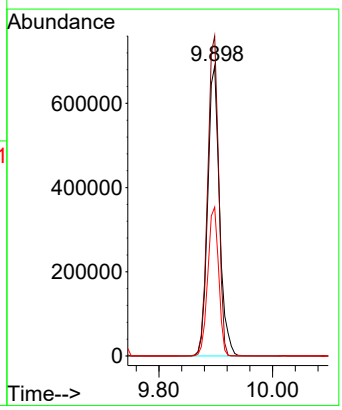


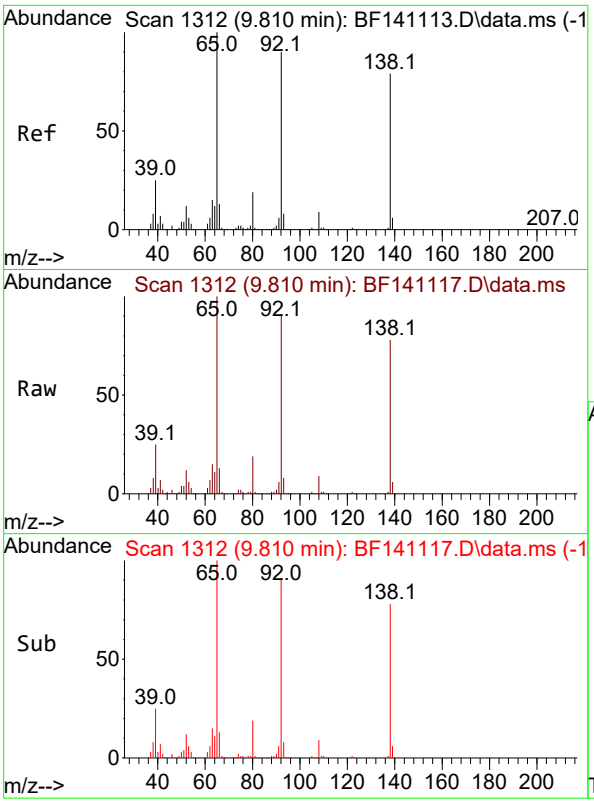




#52
Acenaphthene
Concen: 49.066 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:154 Resp: 988008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.4 | 89.8 | 134.6 |
| 152 | 51.3 | 40.8 | 61.2 |



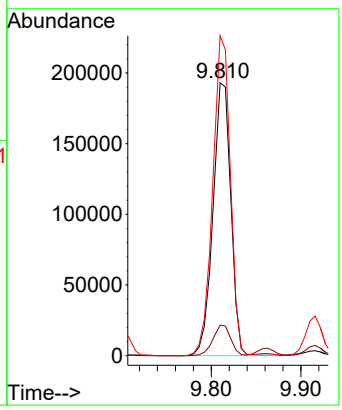


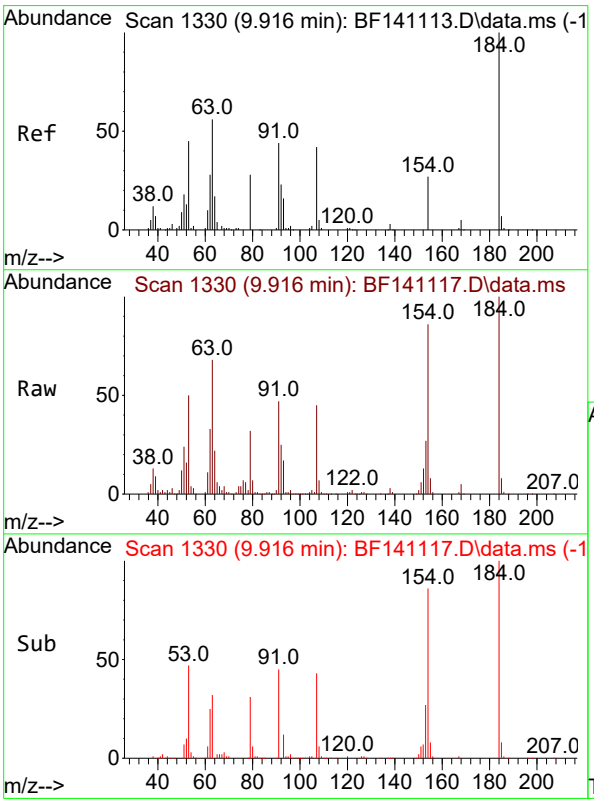

#53
3-Nitroaniline
Concen: 50.440 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:138 Resp: 266881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.2 | 8.8 | 13.2 |
| 92 | 117.2 | 91.3 | 136.9 |

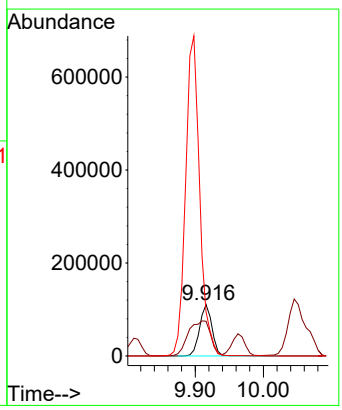


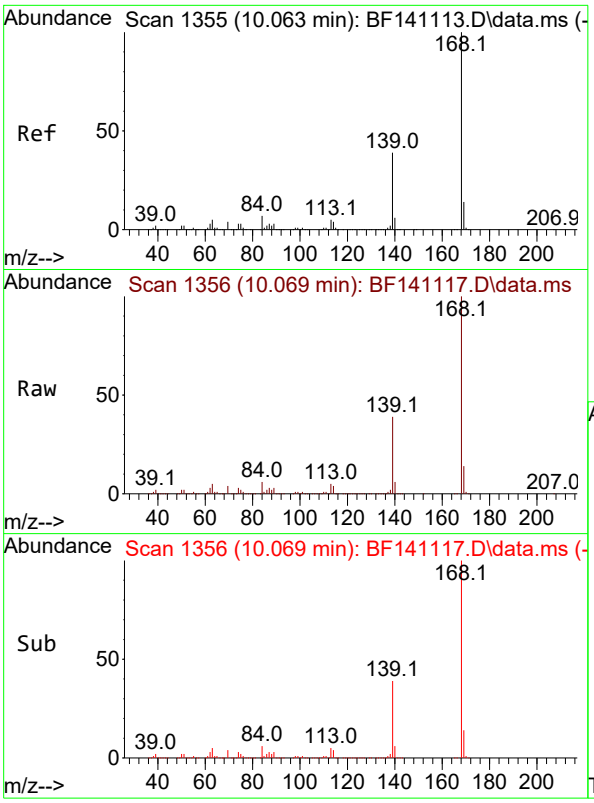




#54
2,4-Dinitrophenol
Concen: 56.530 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:184 Resp: 139903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 67.8 | 48.7 | 73.1 |
| 154 | 86.2 | 57.1 | 85.7# |



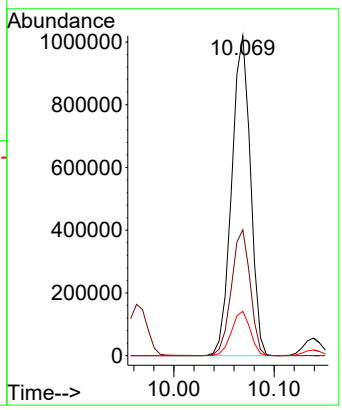


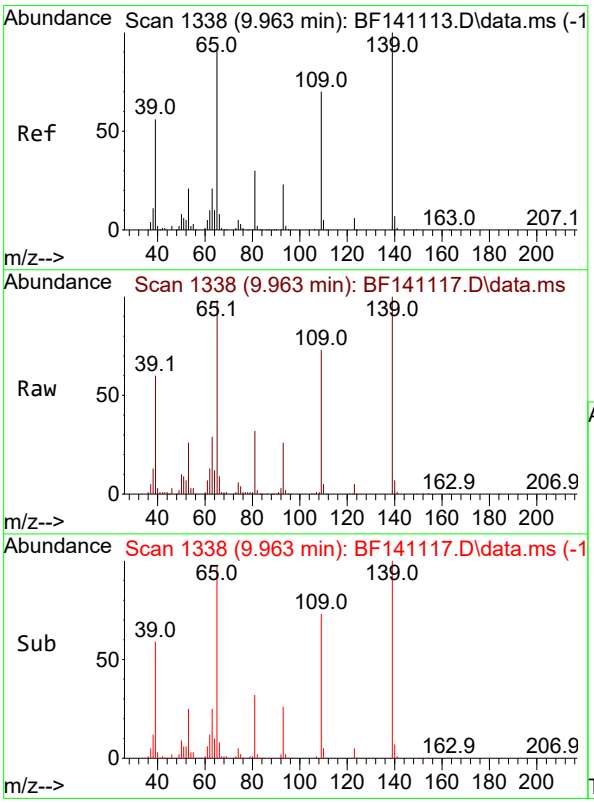

#55
Dibenzofuran
Concen: 48.261 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:168 Resp: 1321844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.3 | 31.4 | 47.0 |
| 169 | 13.9 | 10.9 | 16.3 |

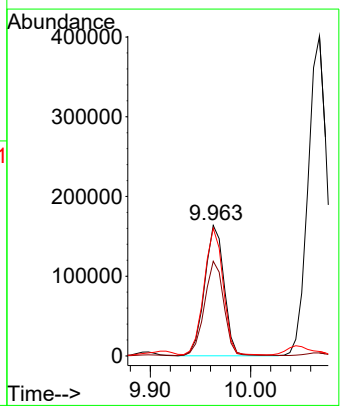


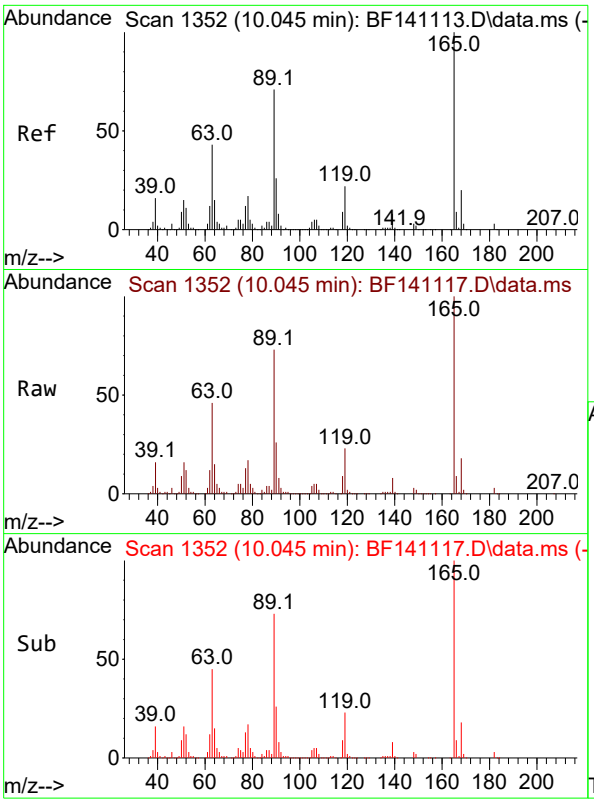




#56
4-Nitrophenol
Concen: 53.183 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:139 Resp: 220382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 72.5 | 50.2 | 90.2 |
| 65 | 97.7 | 72.1 | 112.1 |



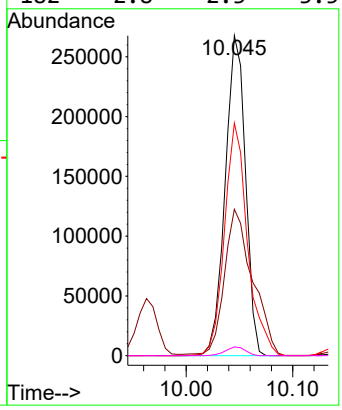


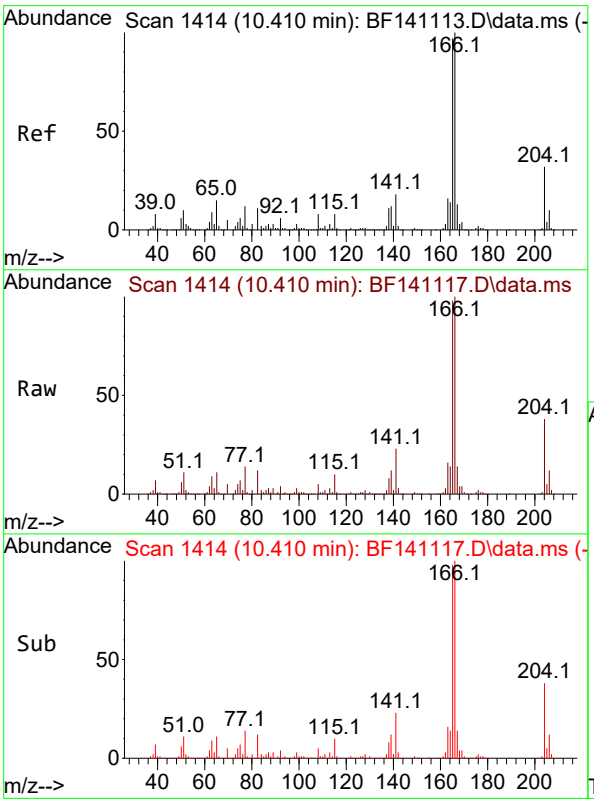

#57
2,4-Dinitrotoluene
Concen: 52.728 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:165 Resp: 353808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 45.8 | 35.0 | 52.4 |
| 89 | 72.7 | 56.7 | 85.1 |
| 182 | 2.8 | 2.3 | 3.5 |

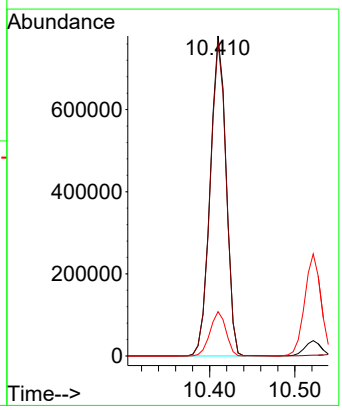


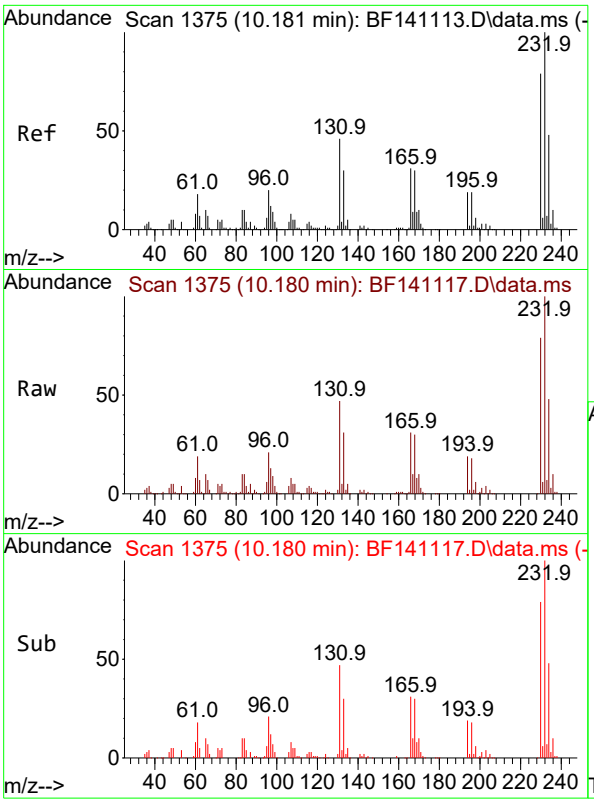




#58
Fluorene
Concen: 47.543 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:166 Resp: 1011650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.1 | 77.8 | 116.8 |
| 167 | 13.8 | 10.8 | 16.2 |



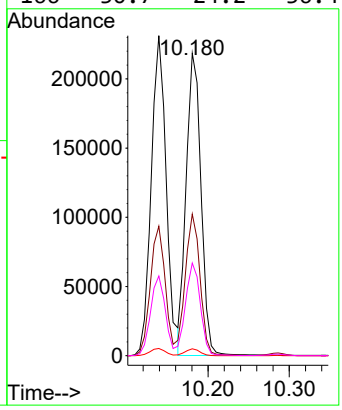


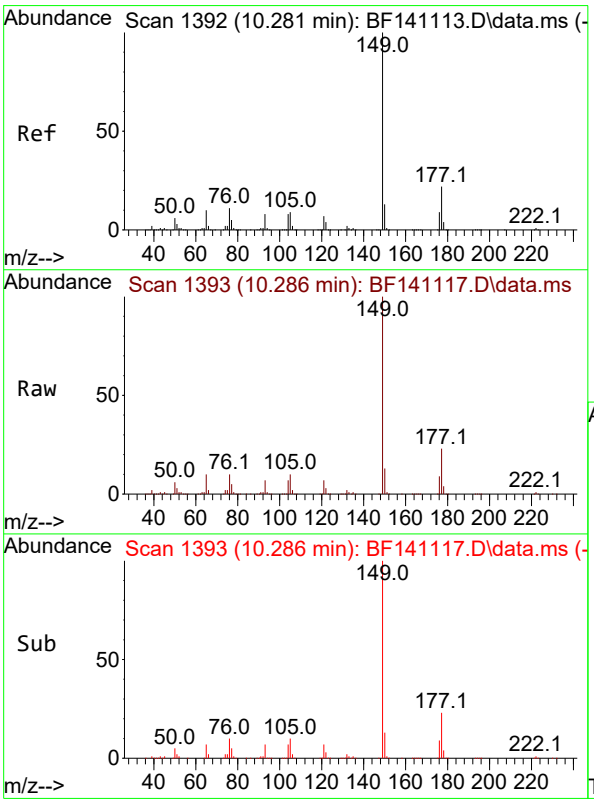

#59
2,3,4,6-Tetrachlorophenol
Concen: 49.019 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:232 Resp: 277818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.8 | 36.2 | 54.4 |
| 130 | 2.3 | 2.0 | 3.0 |
| 166 | 30.7 | 24.2 | 36.4 |

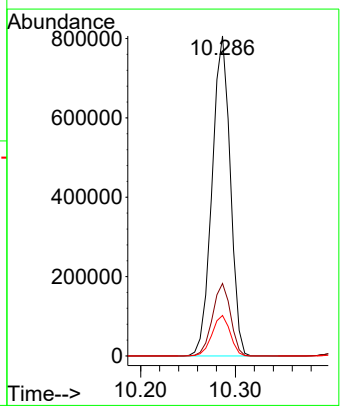


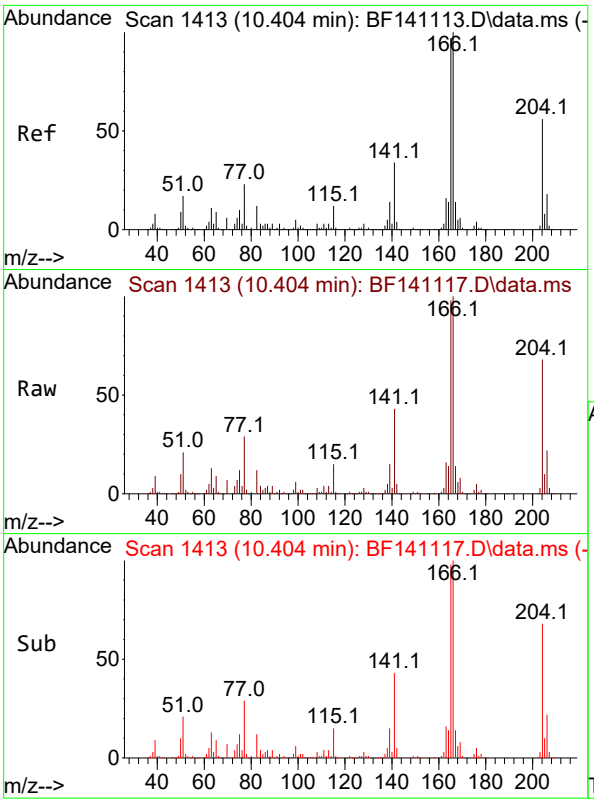




#60
Diethylphthalate
Concen: 49.171 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:149 Resp: 1074789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.7 | 17.9 | 26.9 |
| 150 | 12.6 | 10.2 | 15.2 |



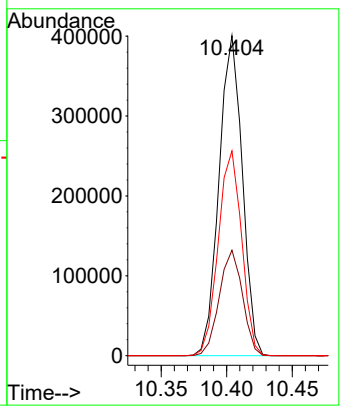


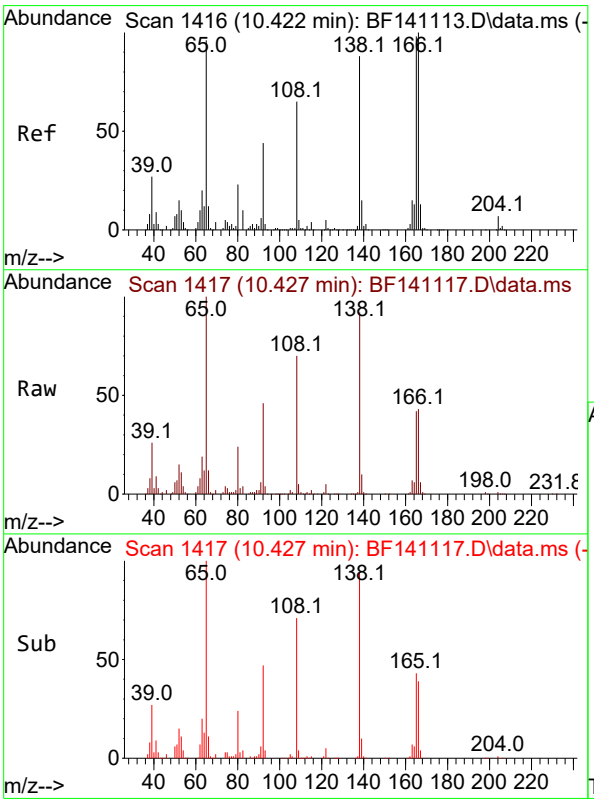

#61
4-Chlorophenyl-phenylether
Concen: 47.665 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:204 Resp: 494329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 25.9 | 38.9 |
| 141 | 64.0 | 49.1 | 73.7 |

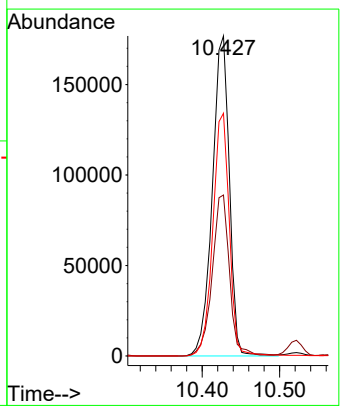


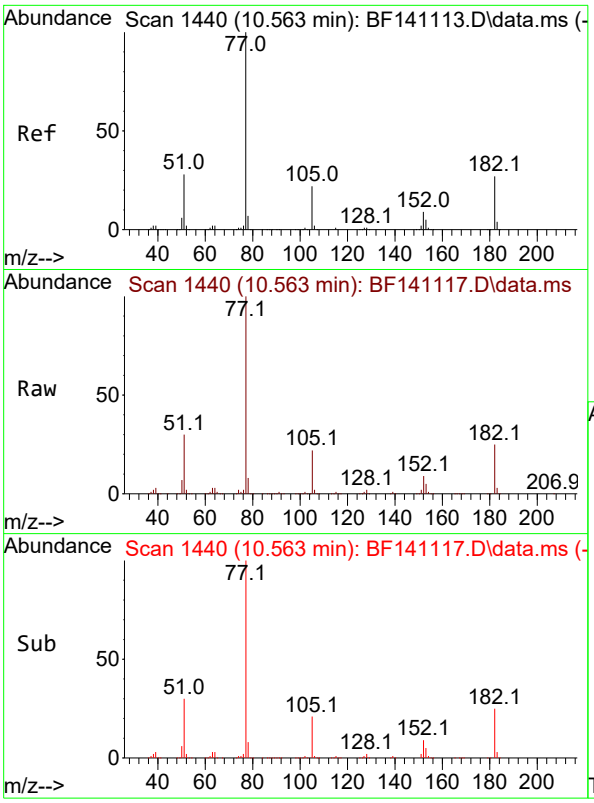




#62
4-Nitroaniline
Concen: 52.024 ng
RT: 10.427 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:138 Resp: 269415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.3 | 29.4 | 69.4 |
| 108 | 75.9 | 53.7 | 93.7 |



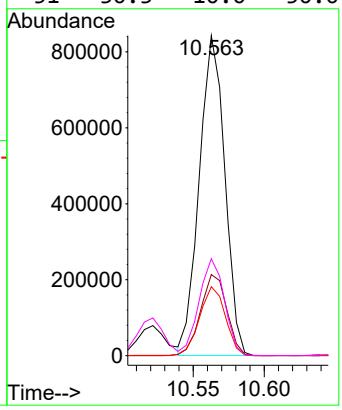


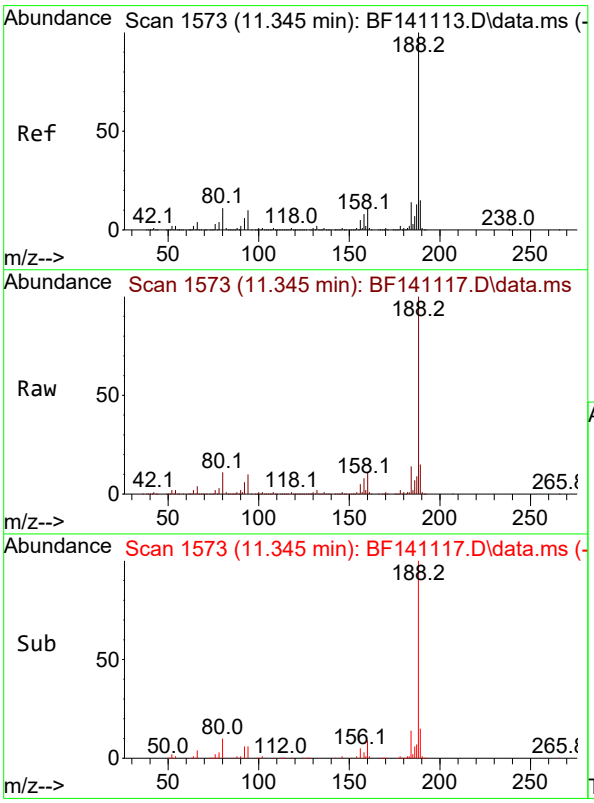

#63
Azobenzene
Concen: 48.881 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 77 Resp: 1054277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.4 | 6.1 | 46.1 |
| 105 | 21.6 | 2.1 | 42.1 |
| 51 | 30.3 | 10.0 | 50.0 |

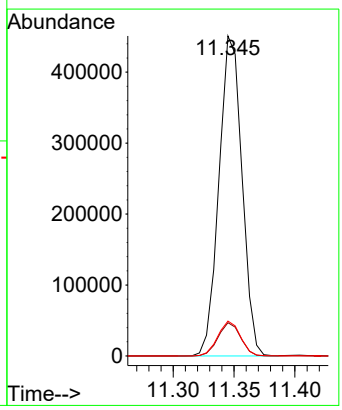


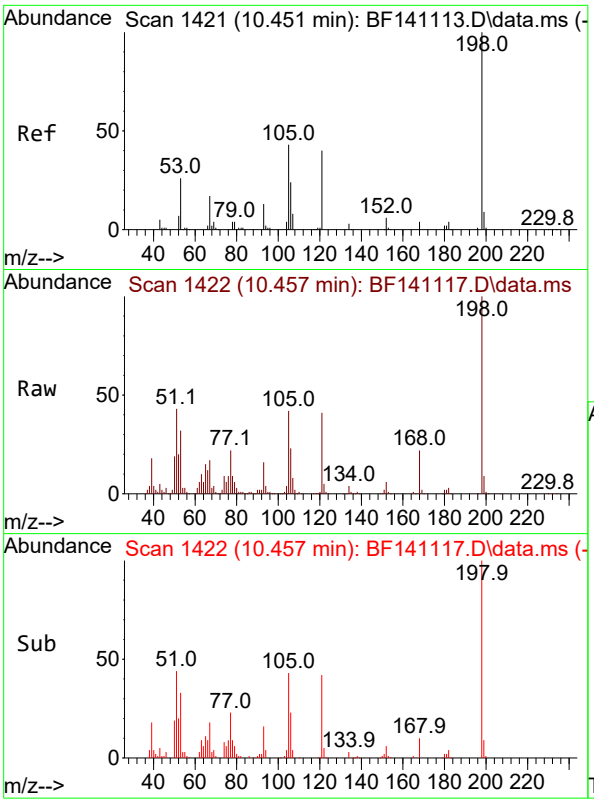




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:188 Resp: 593257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.4 | 8.3 | 12.5 |
| 80 | 10.9 | 9.0 | 13.4 |



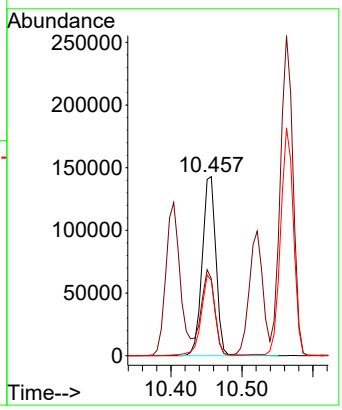


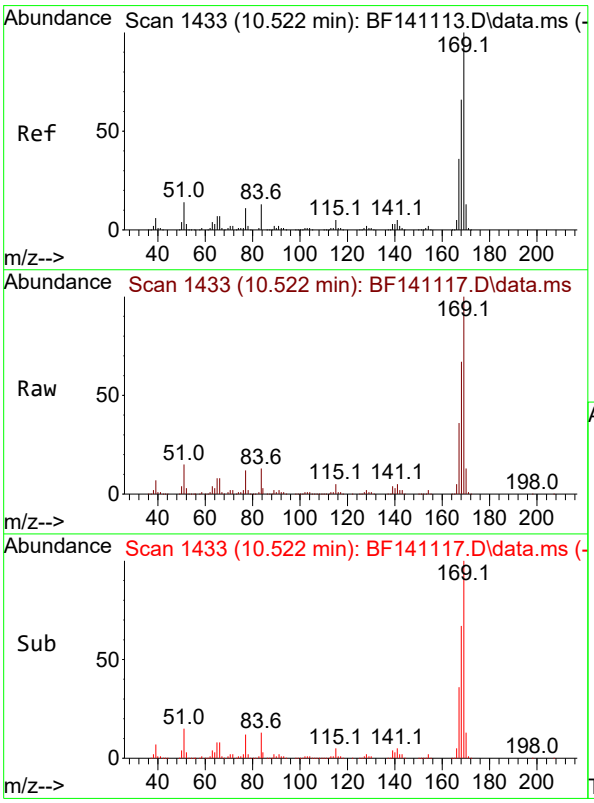

#65
4,6-Dinitro-2-methylphenol
Concen: 55.890 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:198 Resp: 192136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 42.9 | 27.1 | 67.1 |
| 105 | 42.1 | 24.2 | 64.2 |

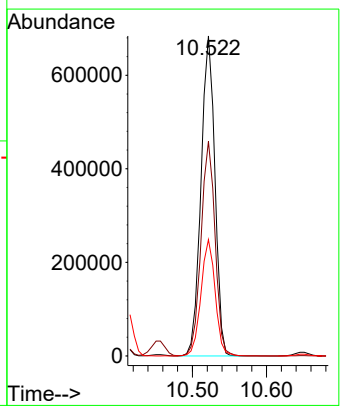


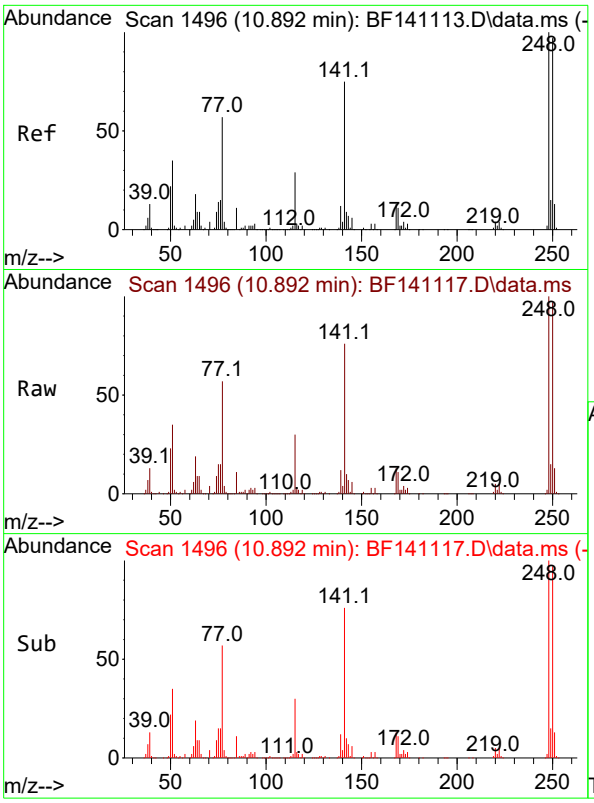




#66
n-Nitrosodiphenylamine
Concen: 46.748 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:169 Resp: 894530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.0 | 52.5 | 78.7 |
| 167 | 36.4 | 28.9 | 43.3 |



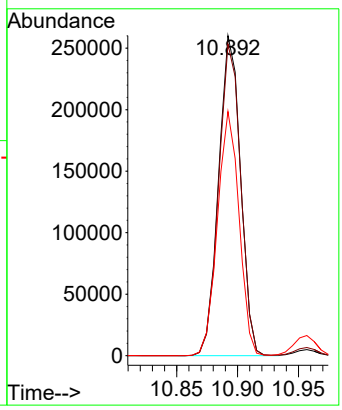


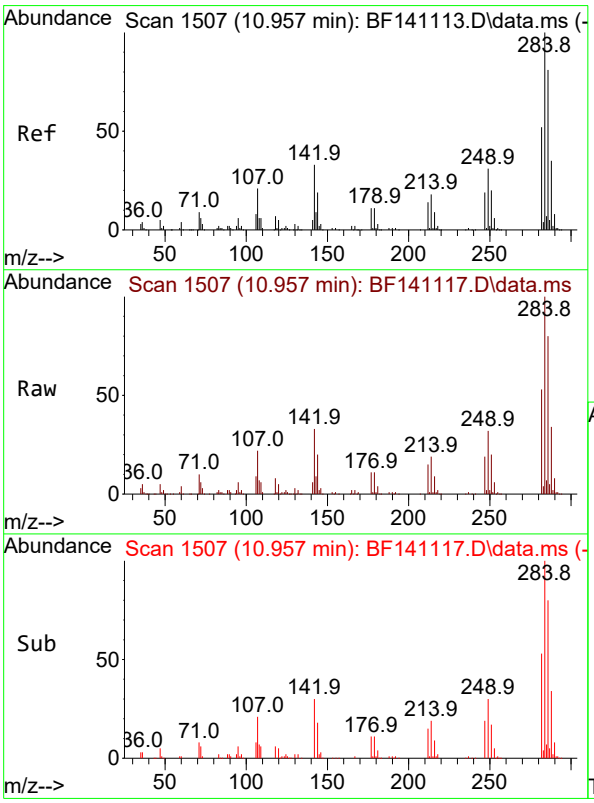

#67
4-Bromophenyl-phenylether
Concen: 47.810 ng
RT: 10.892 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:248 Resp: 326554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.3 | 77.9 | 116.9 |
| 141 | 76.3 | 59.9 | 89.9 |

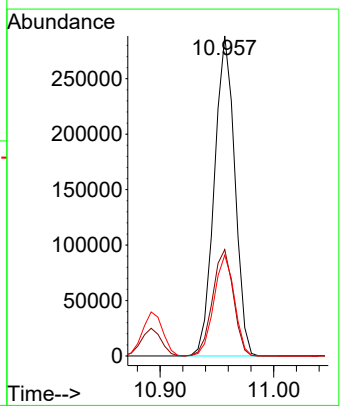


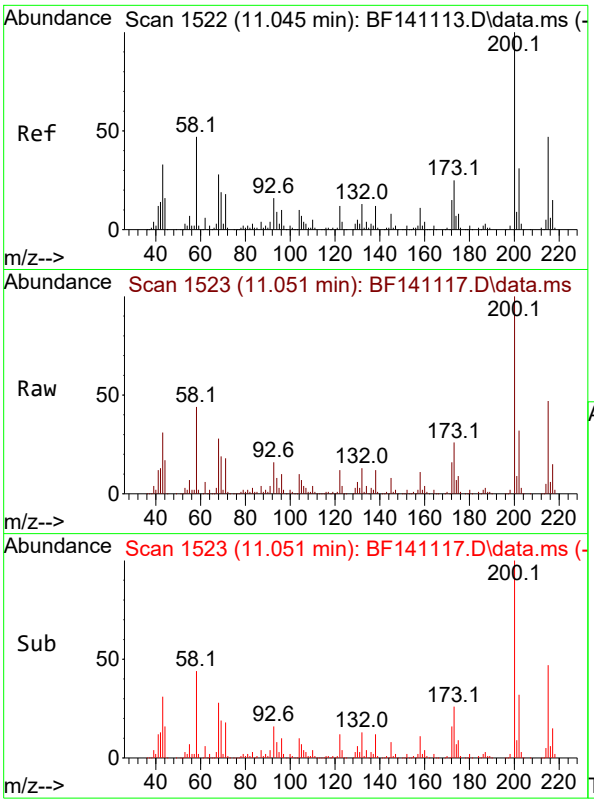




#68
Hexachlorobenzene
Concen: 47.551 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:284 Resp: 361542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.2 | 26.3 | 39.5 |
| 249 | 31.5 | 24.9 | 37.3 |



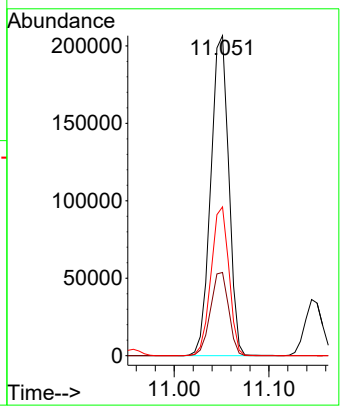


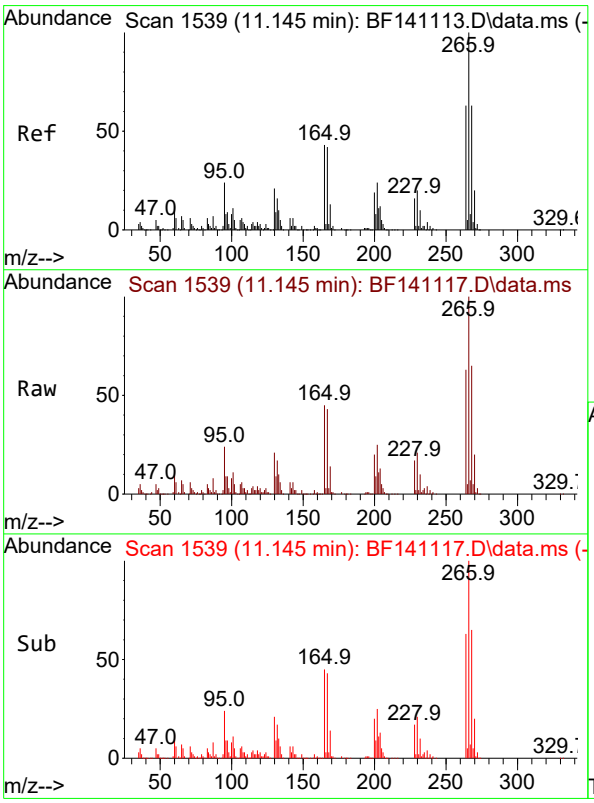

#69
Atrazine
Concen: 52.837 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:200 Resp: 272232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.0 | 5.4 | 45.4 |
| 215 | 46.5 | 26.6 | 66.6 |

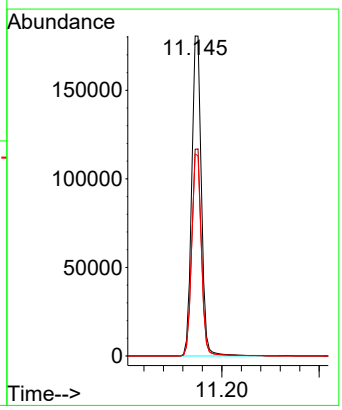


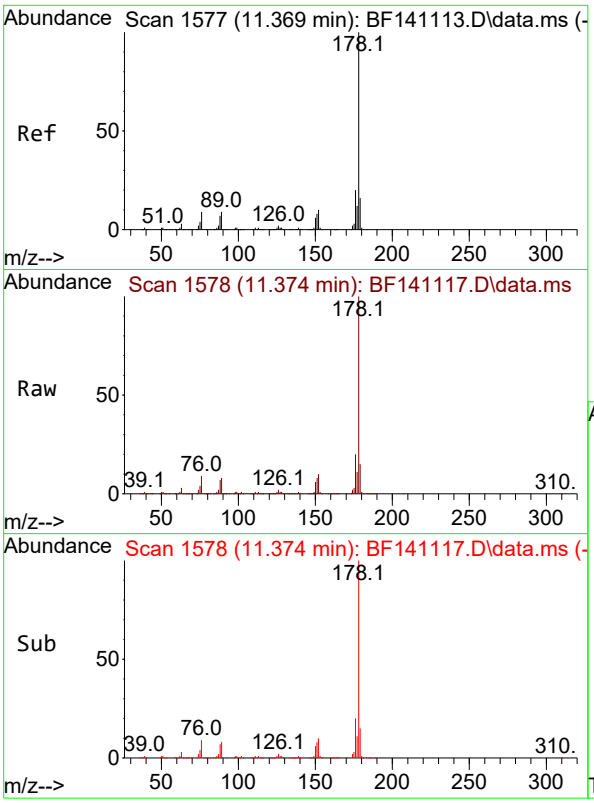




#70
Pentachlorophenol
Concen: 51.422 ng
RT: 11.145 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:266 Resp: 250381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.6 | 50.4 | 75.6 |
| 264 | 63.1 | 50.2 | 75.2 |



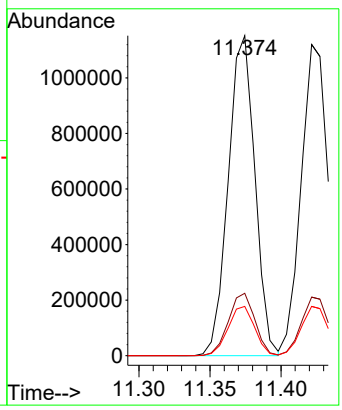


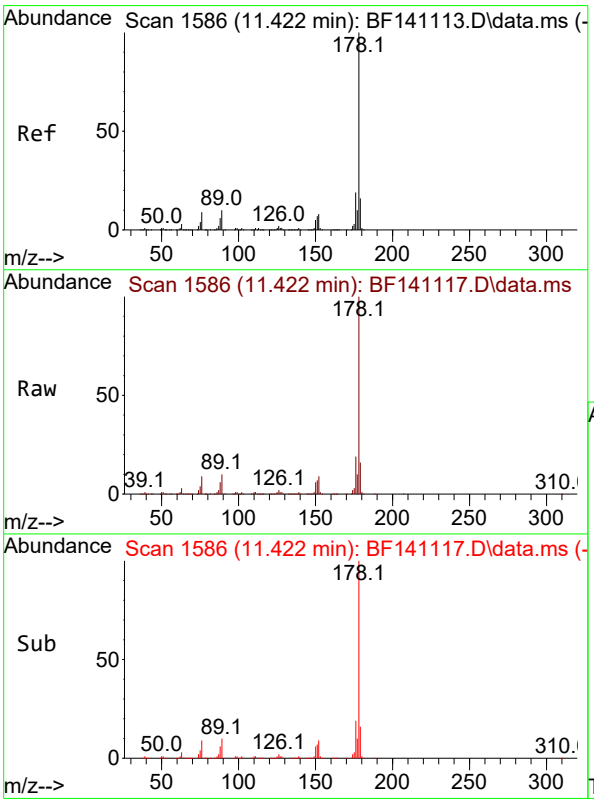

#71
Phenanthrene
Concen: 47.203 ng
RT: 11.374 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:178 Resp: 1503408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.7 | 23.5 |
| 179 | 15.4 | 12.6 | 19.0 |

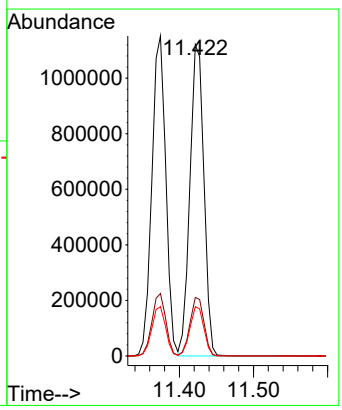


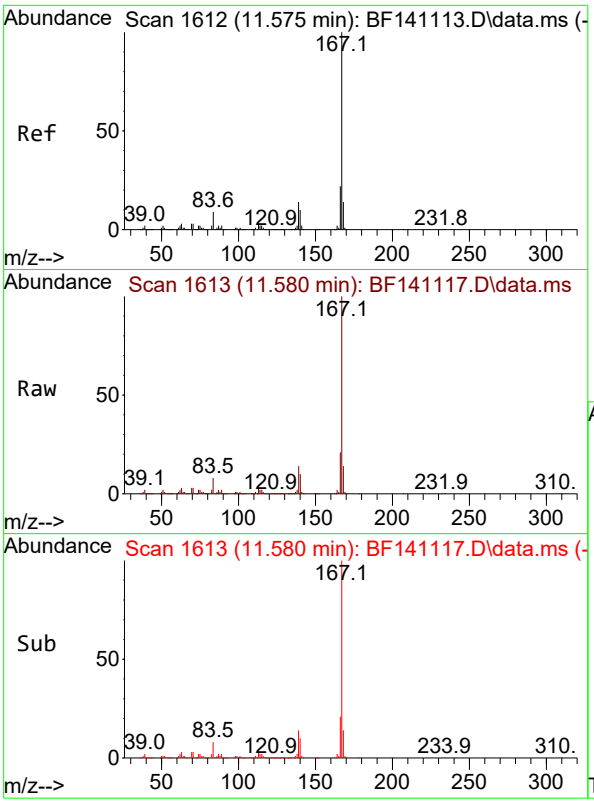




#72
Anthracene
Concen: 47.589 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:178 Resp: 1473797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 14.9 | 22.3 |
| 179 | 15.9 | 12.6 | 19.0 |



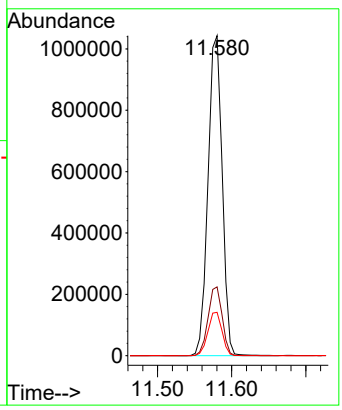


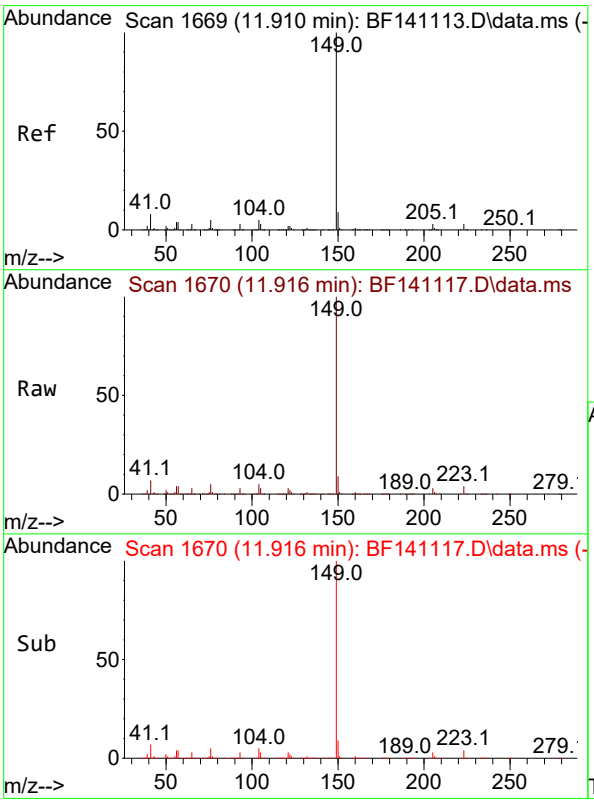

#73
Carbazole
Concen: 48.815 ng
RT: 11.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:167 Resp: 1386206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 17.4 | 26.2 |
| 139 | 13.6 | 10.9 | 16.3 |

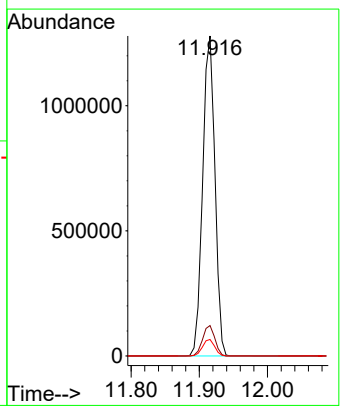


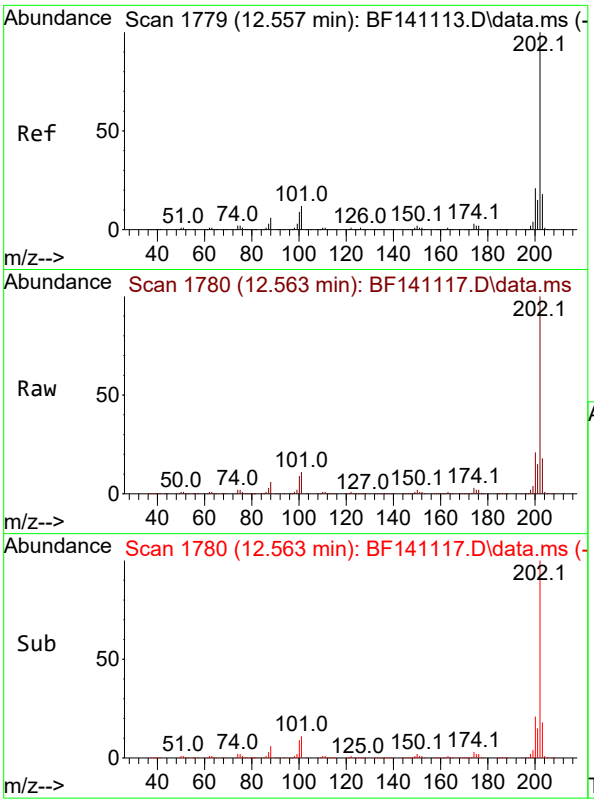




#74
Di-n-butylphthalate
Concen: 49.255 ng
RT: 11.916 min Scan# 1670
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:149 Resp: 1600680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.5 | 7.4 | 11.2 |
| 104 | 5.2 | 4.2 | 6.2 |



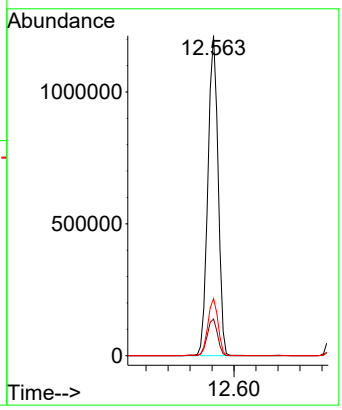


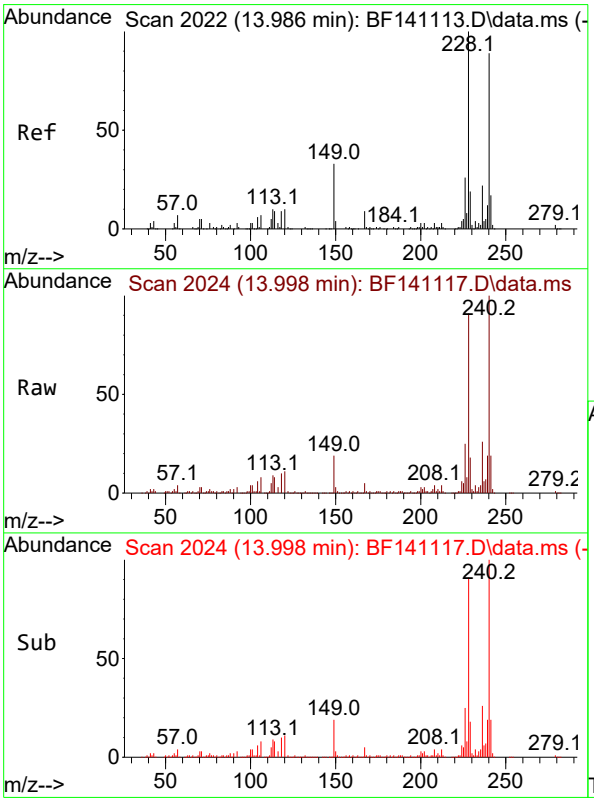

#75
Fluoranthene
Concen: 49.037 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:202 Resp: 1558556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.5 | 0.0 | 32.3 |
| 203 | 17.9 | 0.0 | 37.7 |

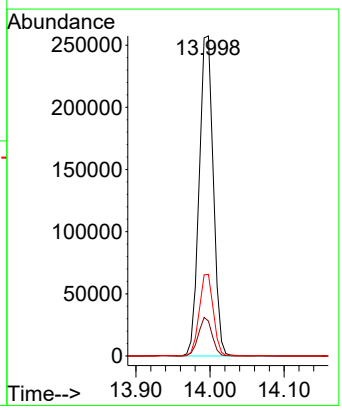


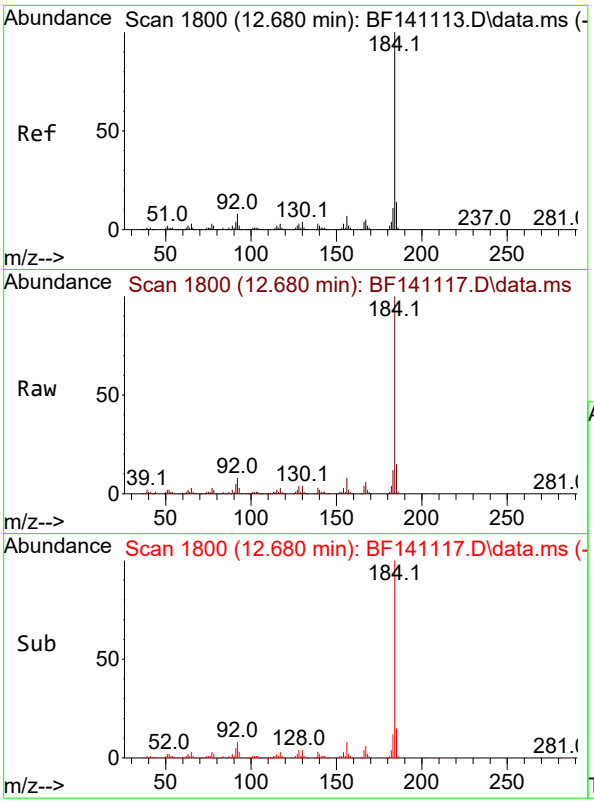




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.012 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:240 Resp: 341879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.9 | 9.1 | 13.7 |
| 236 | 25.5 | 19.8 | 29.6 |



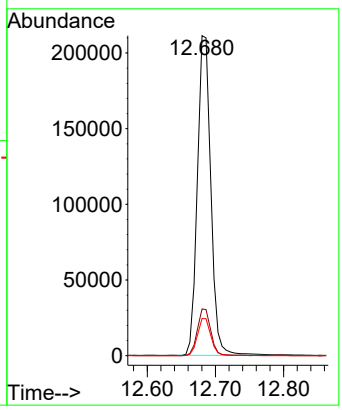


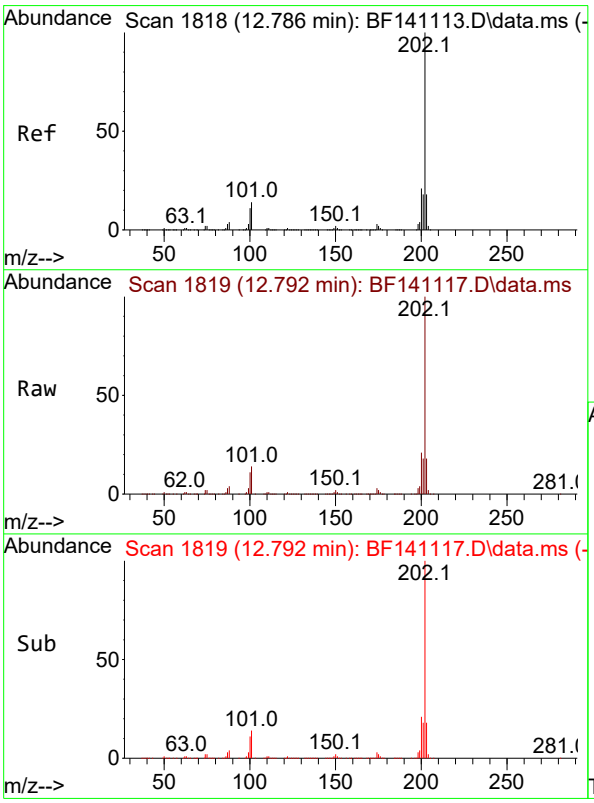

#77
Benzidine
Concen: 45.814 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:184 Resp: 290459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.6 | 11.4 | 17.0 |
| 183 | 11.6 | 9.2 | 13.8 |

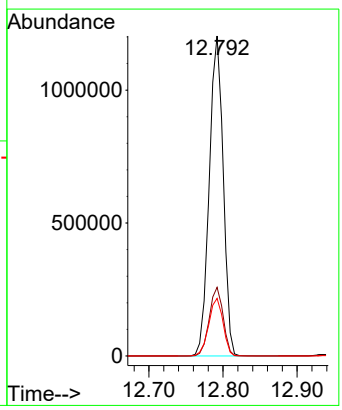


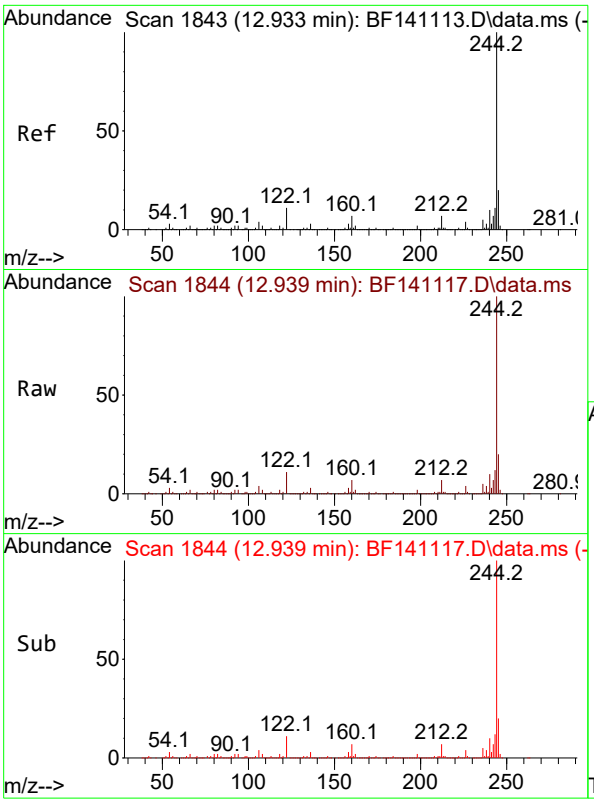




#78
Pyrene
Concen: 48.129 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:202 Resp: 1571607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.4 | 16.8 | 25.2 |
| 203 | 18.0 | 14.3 | 21.5 |



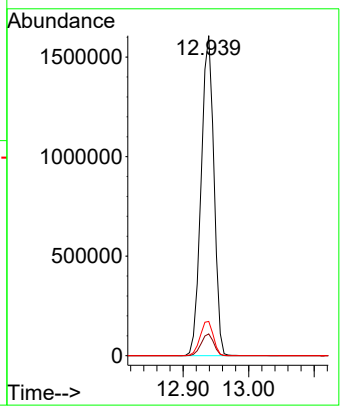


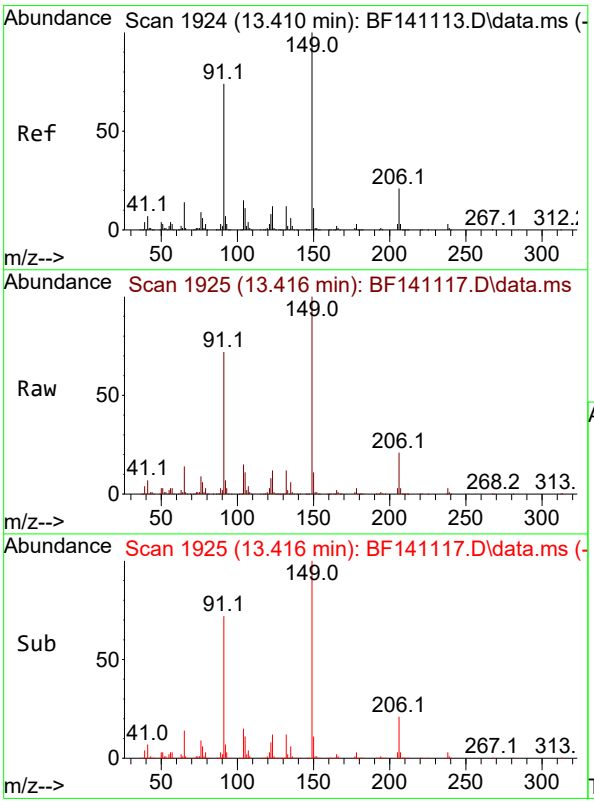

#79
Terphenyl-d14
Concen: 95.134 ng
RT: 12.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:244 Resp: 2188278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.4 | 8.2 |
| 122 | 10.7 | 8.8 | 13.2 |

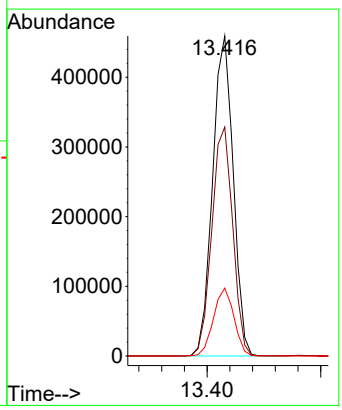


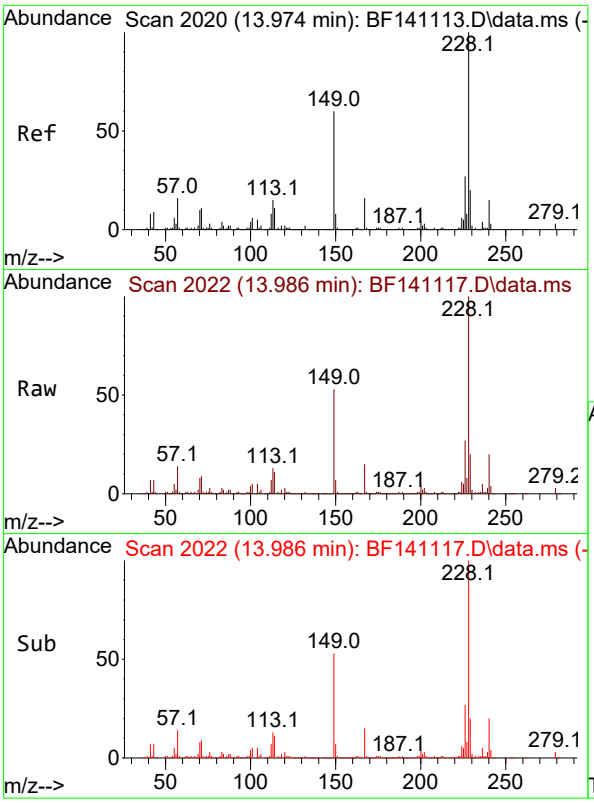




#80
Butylbenzylphthalate
Concen: 53.179 ng
RT: 13.416 min Scan# 1925
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:149 Resp: 578964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 71.5 | 59.0 | 88.6 |
| 206 | 21.2 | 16.5 | 24.7 |



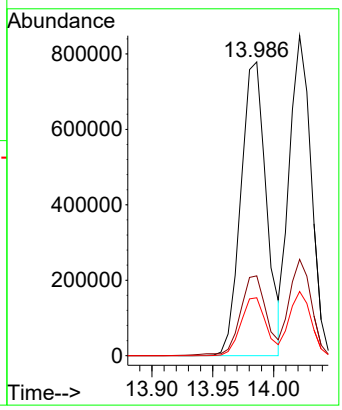


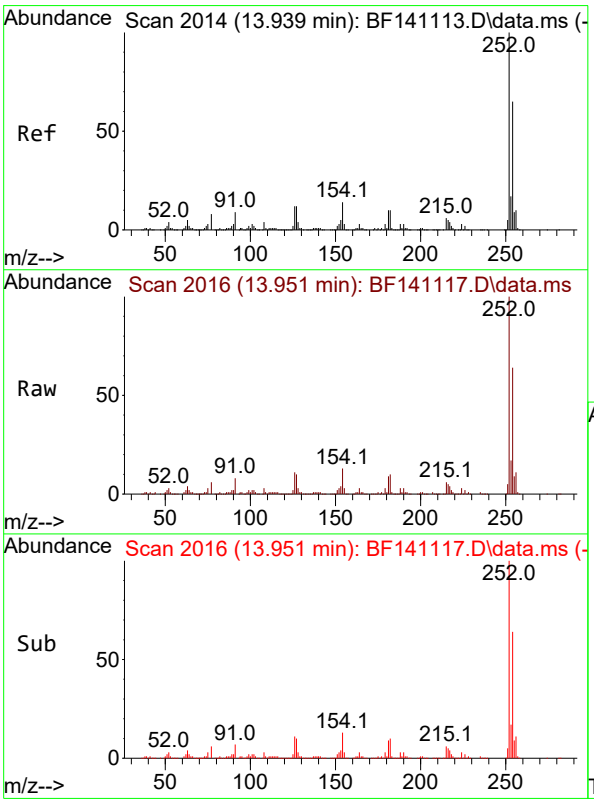

#81
Benzo(a)anthracene
Concen: 48.830 ng
RT: 13.986 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:228 Resp: 1136119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.2 | 21.7 | 32.5 |
| 229 | 19.7 | 15.7 | 23.5 |

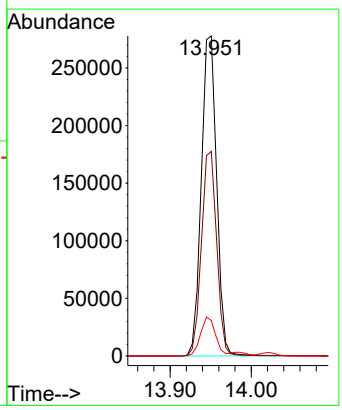


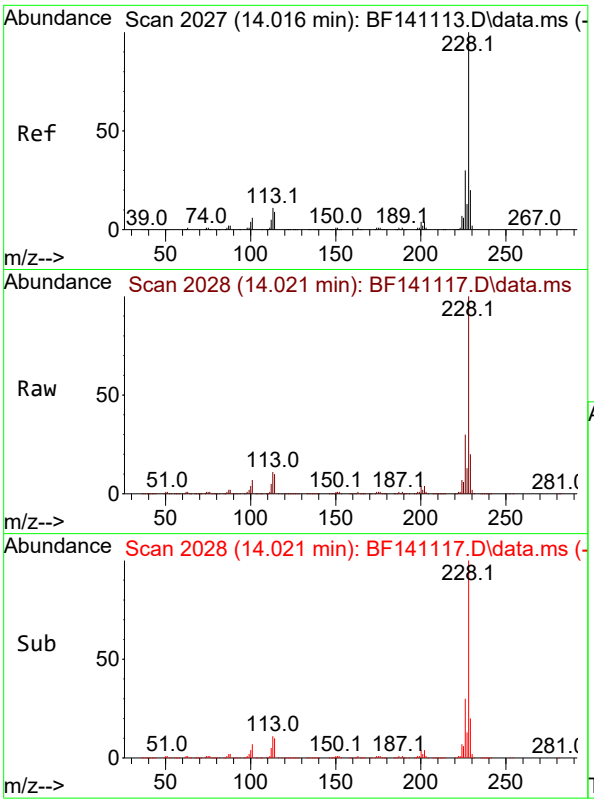




#82
3,3'-Dichlorobenzidine
Concen: 49.156 ng
RT: 13.951 min Scan# 2016
Delta R.T. 0.012 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:252 Resp: 364178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.9 | 52.0 | 78.0 |
| 126 | 11.0 | 9.4 | 14.0 |



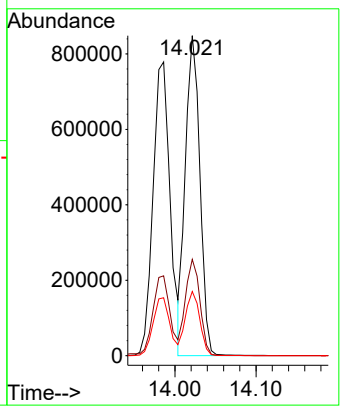


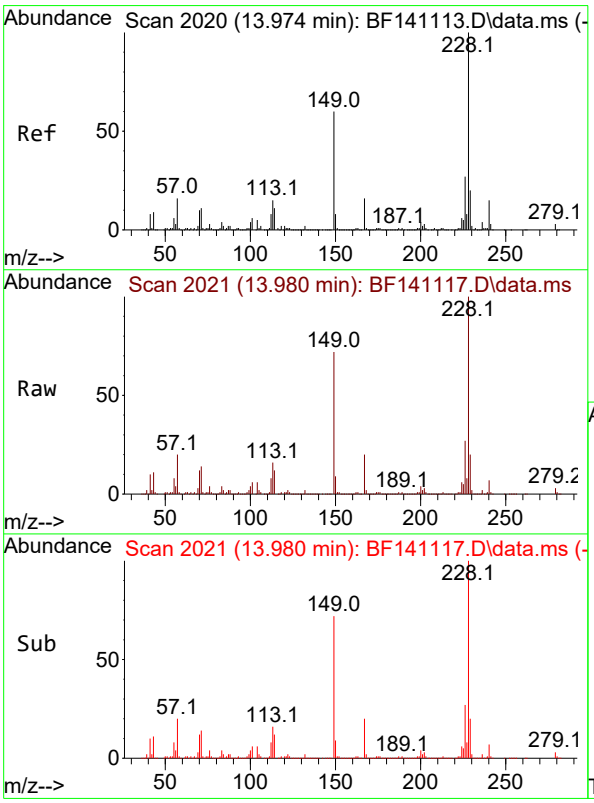

#83
Chrysene
Concen: 48.577 ng
RT: 14.021 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:228 Resp: 1057551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 23.8 | 35.8 |
| 229 | 20.1 | 15.8 | 23.8 |

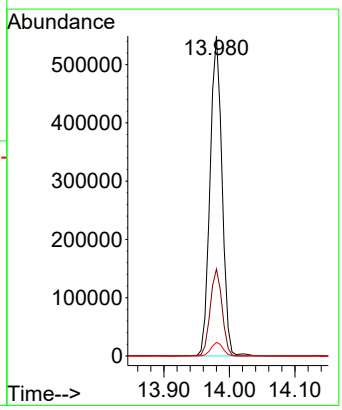


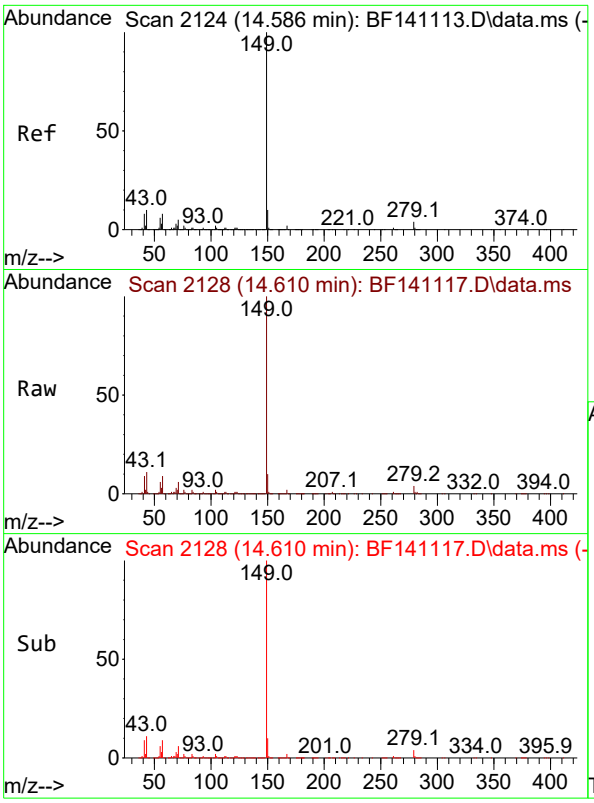




#84
Bis(2-ethylhexyl)phthalate
Concen: 53.591 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:149 Resp: 700052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.2 | 21.4 | 32.2 |
| 279 | 4.2 | 3.4 | 5.2 |



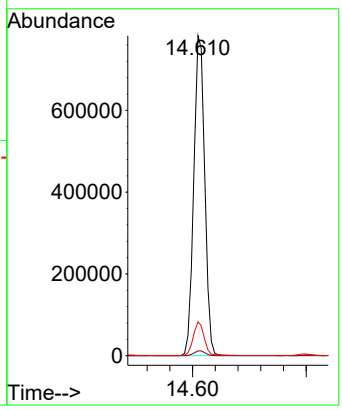


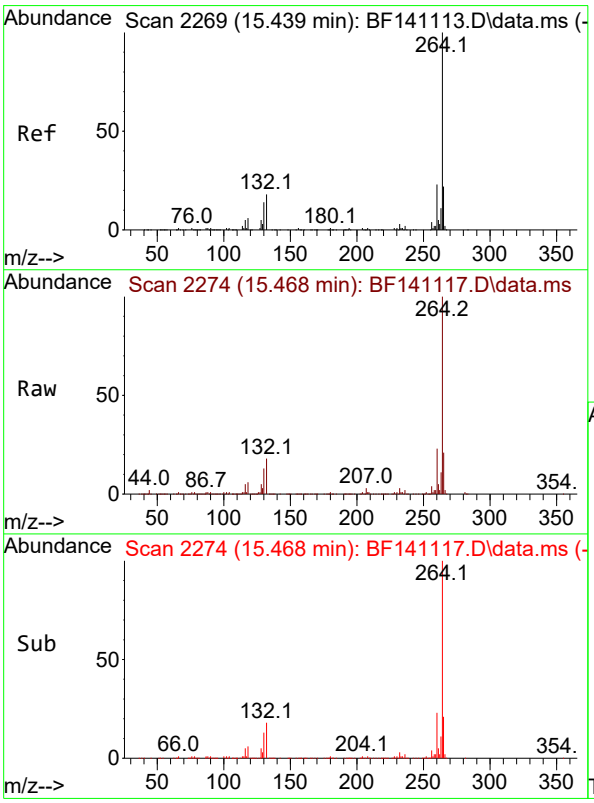

#85
Di-n-octyl phthalate
Concen: 53.503 ng
RT: 14.610 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:149 Resp: 1055383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 10.4 | 8.4 | 12.6 |

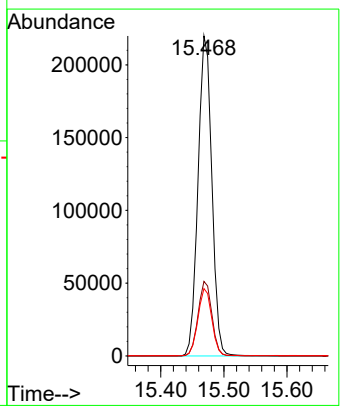


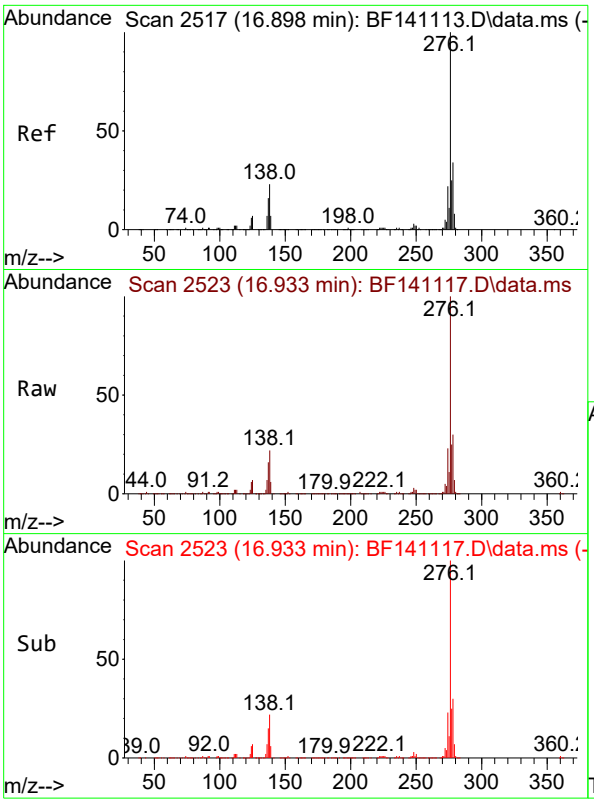




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.029 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:264 Resp: 333662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.6 | 28.0 |
| 265 | 21.0 | 17.4 | 26.0 |



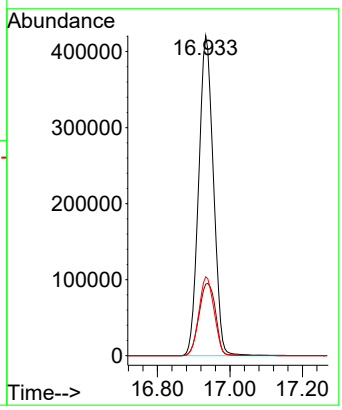


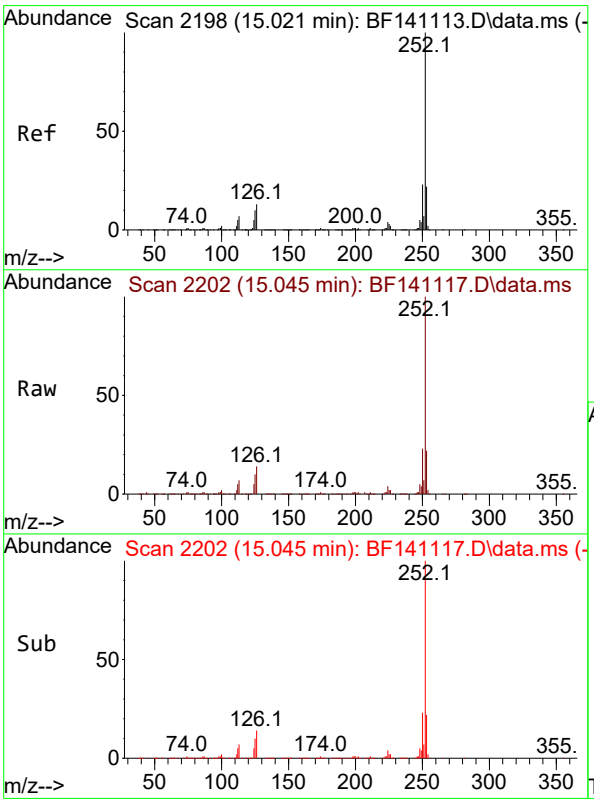

#87
Indeno(1,2,3-cd)pyrene
Concen: 48.477 ng
RT: 16.933 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:276 Resp: 1185030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.5 | 20.7 | 31.1 |
| 277 | 25.6 | 20.6 | 30.8 |

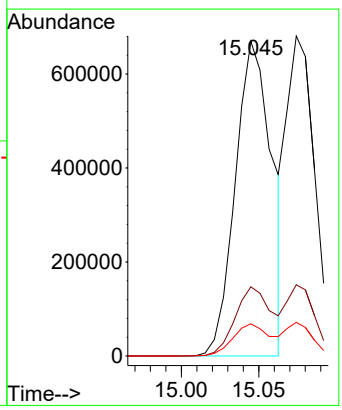


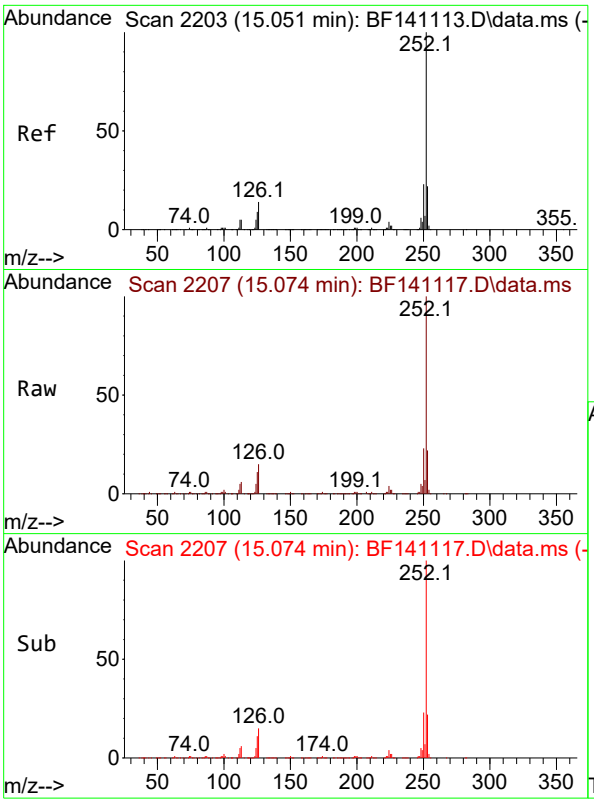




#88
Benzo(b)fluoranthene
Concen: 50.984 ng
RT: 15.045 min Scan# 2202
Delta R.T. 0.023 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:252 Resp: 1096957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.8 | 26.6 |
| 125 | 10.2 | 8.1 | 12.1 |



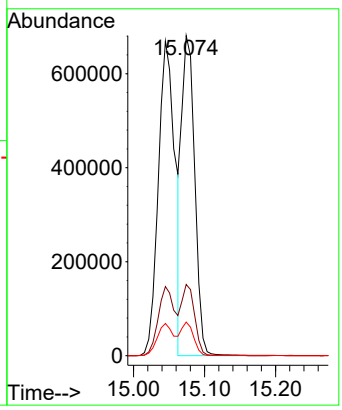


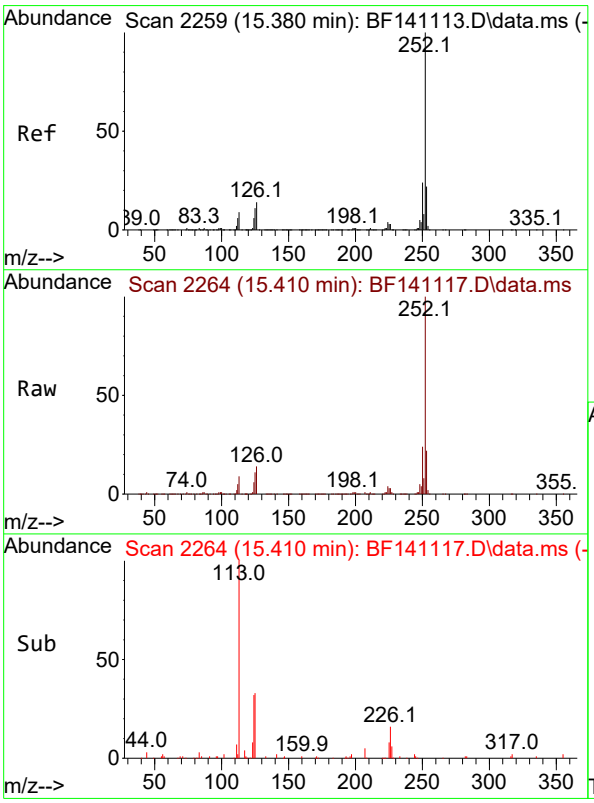

#89
Benzo(k)fluoranthene
Concen: 47.598 ng
RT: 15.074 min Scan# 2
Delta R.T. 0.023 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:252 Resp: 865456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.8 | 26.8 |
| 125 | 10.5 | 7.9 | 11.9 |

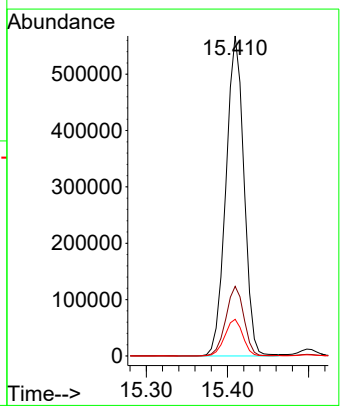


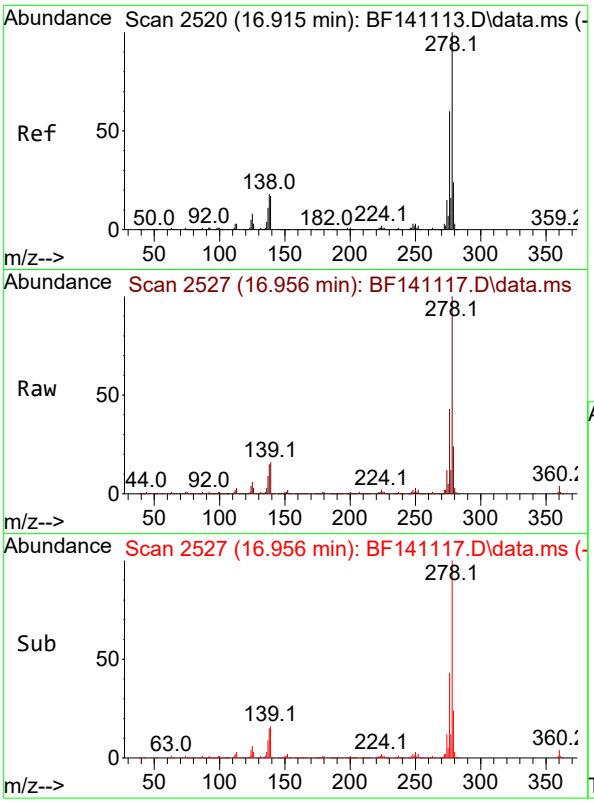




#90
Benzo(a)pyrene
Concen: 49.243 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.029 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:252 Resp: 874134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.7 | 26.5 |
| 125 | 11.4 | 9.1 | 13.7 |



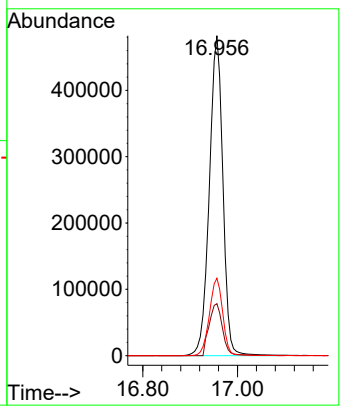


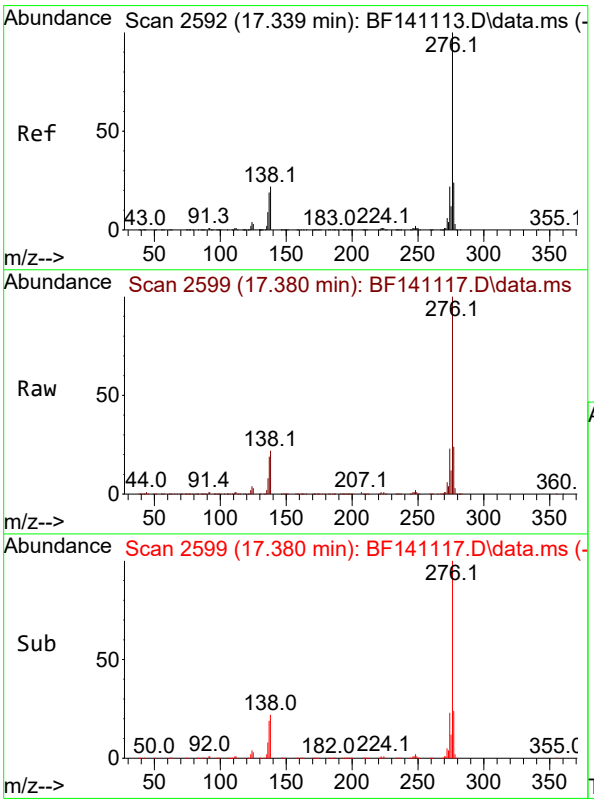

#91
Dibenzo(a,h)anthracene
Concen: 48.535 ng
RT: 16.956 min Scan# 2
Delta R.T. 0.041 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:278 Resp: 959595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.2 | 13.8 | 20.6 |
| 279 | 24.2 | 19.1 | 28.7 |

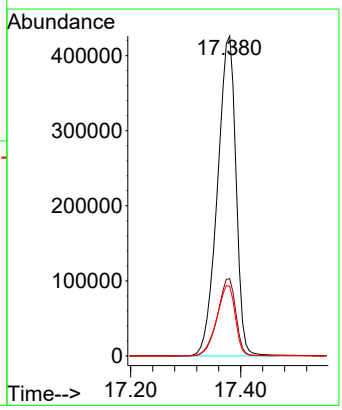



#92
Benzo(g,h,i)perylene
Concen: 48.464 ng
RT: 17.380 min Scan# 2599
Delta R.T. 0.041 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:276 Resp: 996659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.1 | 19.0 | 28.4 |
| 138 | 21.7 | 17.4 | 26.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141119.D
Acq On : 10 Jan 2025 17:45
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Jan 10 22:24:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 172282 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 648826 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.863 | 164 | 342460 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 584387 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.992 | 240 | 310879 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.451 | 264 | 395988 | 20.000 | ng | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.428 | 112 | 1544552 | 138.495 | ng | | 0.00 |
| 7) Phenol-d6 | 6.457 | 99 | 2004230 | 141.874 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.392 | 82 | 1813409 | 148.154 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.651 | 330 | 601438 | 154.132 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.186 | 172 | 2997639 | 133.666 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 2895506 | 138.433 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.540 | 88 | 361586 | 72.808 | ng | | 100 |
| 3) Pyridine | 3.287 | 79 | 855609 | 70.255 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.252 | 42 | 443709 | 74.512 | ng | | 99 |
| 6) Aniline | 6.487 | 93 | 497802 | 39.689 | ng | # | 80 |
| 8) 2-Chlorophenol | 6.610 | 128 | 844417 | 70.573 | ng | | 99 |
| 9) Benzaldehyde | 6.375 | 77 | 446857 | 56.624 | ng | | 98 |
| 10) Phenol | 6.469 | 94 | 1067075 | 70.563 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 6.563 | 93 | 811905 | 72.042 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.763 | 146 | 945224 | 70.831 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.840 | 146 | 944179 | 70.211 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.998 | 146 | 854029 | 68.083 | ng | | 98 |
| 15) Benzyl Alcohol | 6.969 | 79 | 722113 | 70.781 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098 | 45 | 1129914 | 71.848 | ng | | 98 |
| 17) 2-Methylphenol | 7.075 | 107 | 707657 | 73.257 | ng | | 99 |
| 18) Hexachloroethane | 7.334 | 117 | 349146 | 71.795 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.245 | 70 | 588783 | 70.753 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.234 | 107 | 813265 | 66.732 | ng | # | 83 |
| 22) Acetophenone | 7.239 | 105 | 1083059 | 70.218 | ng | # | 98 |
| 24) Nitrobenzene | 7.410 | 77 | 943483 | 73.960 | ng | | 99 |
| 25) Isophorone | 7.651 | 82 | 1571424 | 75.124 | ng | | 99 |
| 26) 2-Nitrophenol | 7.722 | 139 | 463267 | 79.834 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.757 | 122 | 594544 | 75.959 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.857 | 93 | 977334 | 74.449 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.963 | 162 | 689420 | 74.162 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 776721 | 73.098 | ng | | 100 |
| 31) Naphthalene | 8.128 | 128 | 2411578 | 70.480 | ng | | 99 |
| 32) Benzoic acid | 7.898 | 122 | 648810 | 86.411 | ng | | 98 |
| 33) 4-Chloroaniline | 8.187 | 127 | 860135 | 72.688 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 467194 | 72.969 | ng | | 99 |
| 35) Caprolactam | 8.569 | 113 | 236127 | 77.436 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.657 | 107 | 760692 | 74.822 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 1544153 | 70.820 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 1507881 | 70.172 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.986 | 216 | 712407 | 72.478 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 249944 | 77.724 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 516551 | 77.920 | ng | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141119.D
Acq On : 10 Jan 2025 17:45
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Jan 10 22:24:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

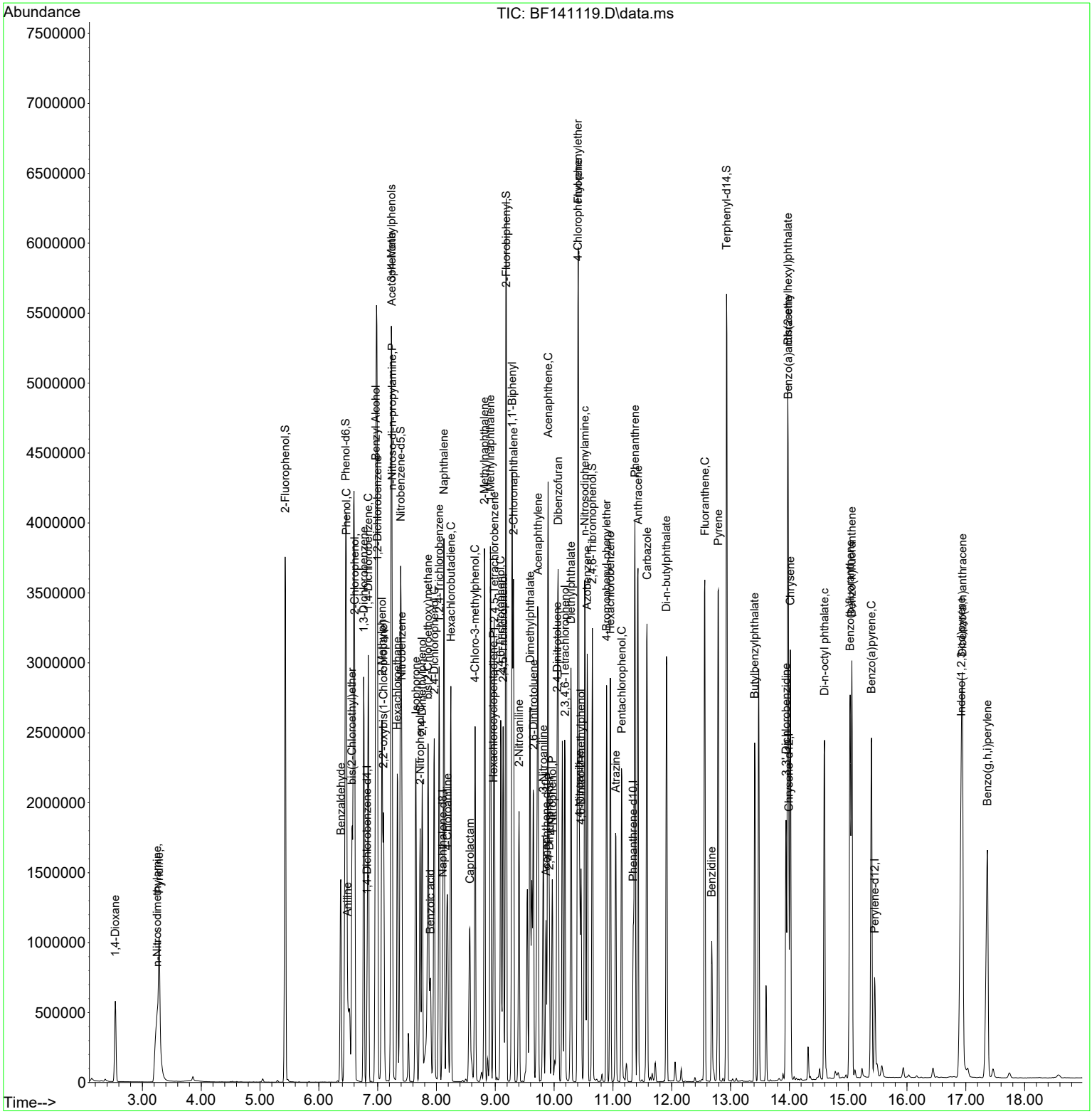
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.133 | 196 | 516966 | 73.839 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.286 | 154 | 1854615 | 69.734 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.310 | 162 | 1478014 | 71.352 | ng | 99 |
| 48) 2-Nitroaniline | 9.404 | 65 | 475269 | 77.400 | ng | 98 |
| 49) Acenaphthylene | 9.728 | 152 | 2110029 | 71.297 | ng | 99 |
| 50) Dimethylphthalate | 9.592 | 163 | 1688321 | 73.435 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.651 | 165 | 403325 | 75.439 | ng | 98 |
| 52) Acenaphthene | 9.898 | 154 | 1487806 | 71.956 | ng | 99 |
| 53) 3-Nitroaniline | 9.816 | 138 | 404031 | 74.366 | ng | 100 |
| 54) 2,4-Dinitrophenol | 9.922 | 184 | 233623 | 91.933 | ng | 96 |
| 55) Dibenzofuran | 10.069 | 168 | 1972541 | 70.137 | ng | 99 |
| 56) 4-Nitrophenol | 9.969 | 139 | 339082 | 79.690 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 10.051 | 165 | 533647 | 77.452 | ng | 98 |
| 58) Fluorene | 10.410 | 166 | 1493903 | 68.372 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.186 | 232 | 428499 | 73.631 | ng | 99 |
| 60) Diethylphthalate | 10.286 | 149 | 1624226 | 72.366 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204 | 739051 | 69.400 | ng | 98 |
| 62) 4-Nitroaniline | 10.433 | 138 | 404093 | 75.992 | ng | 97 |
| 63) Azobenzene | 10.563 | 77 | 1597886 | 72.150 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198 | 299726 | 88.510 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 10.522 | 169 | 1340718 | 71.129 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 502690 | 74.715 | ng | 100 |
| 68) Hexachlorobenzene | 10.957 | 284 | 557705 | 74.464 | ng | 100 |
| 69) Atrazine | 11.051 | 200 | 322778 | 63.598 | ng | 100 |
| 70) Pentachlorophenol | 11.151 | 266 | 373762 | 77.927 | ng | 99 |
| 71) Phenanthrene | 11.375 | 178 | 2186474 | 69.691 | ng | 100 |
| 72) Anthracene | 11.427 | 178 | 2122167 | 69.565 | ng | 99 |
| 73) Carbazole | 11.580 | 167 | 1946776 | 69.597 | ng | 99 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 2240405 | 69.986 | ng | 99 |
| 75) Fluoranthene | 12.563 | 202 | 2156966 | 68.895 | ng | 99 |
| 77) Benzidine | 12.680 | 184 | 535121 | 92.821 | ng | 99 |
| 78) Pyrene | 12.792 | 202 | 2138910 | 72.034 | ng | 99 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 775127 | 78.297 | ng | 99 |
| 81) Benzo(a)anthracene | 13.980 | 228 | 1574387 | 74.414 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.945 | 252 | 557682 | 82.781 | ng | 100 |
| 83) Chrysene | 14.016 | 228 | 1492065 | 75.370 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149 | 885991 | 74.589 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.598 | 149 | 1604851 | 89.471 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.921 | 276 | 2176761 | 75.032 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.033 | 252 | 1830448 | 71.685 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.063 | 252 | 1701343 | 78.843 | ng | 99 |
| 90) Benzo(a)pyrene | 15.398 | 252 | 1594959 | 75.707 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 16.945 | 278 | 1723136 | 73.436 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.368 | 276 | 1664293 | 68.190 | ng | 99 |

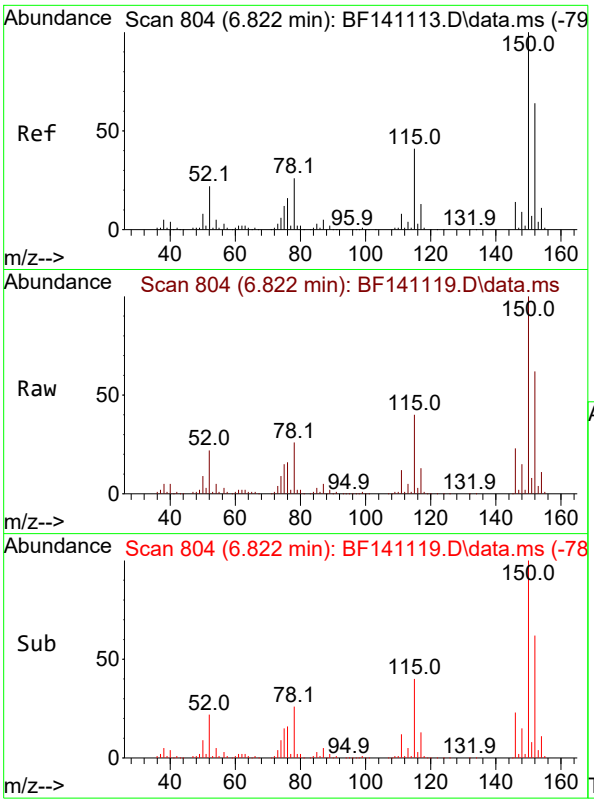
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141119.D
Acq On : 10 Jan 2025 17:45
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Jan 10 22:24:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration



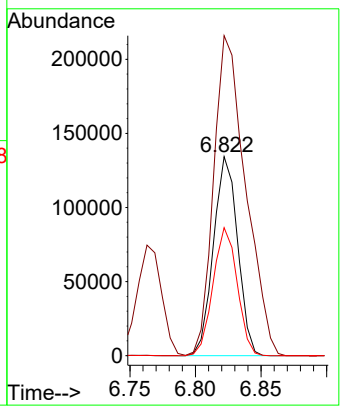


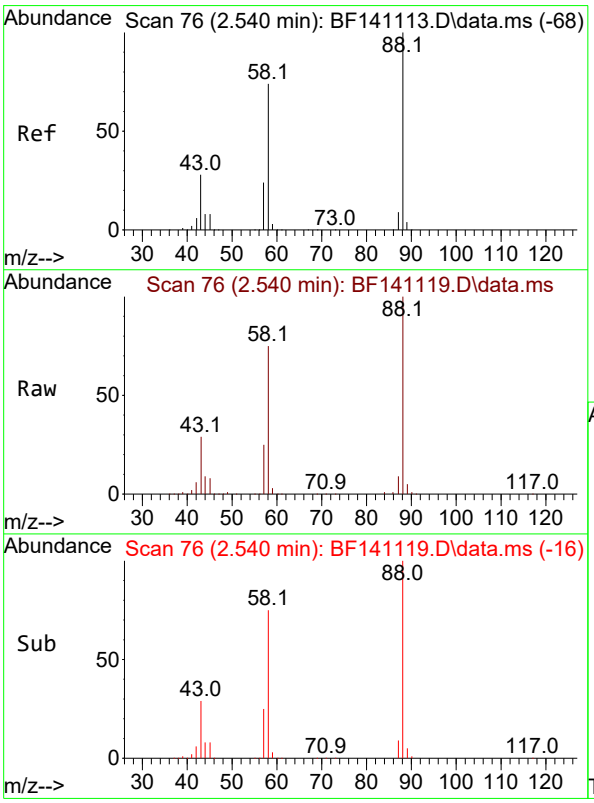

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:152 Resp: 172282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.7 | 125.8 | 188.8 |
| 115 | 64.3 | 51.4 | 77.2 |

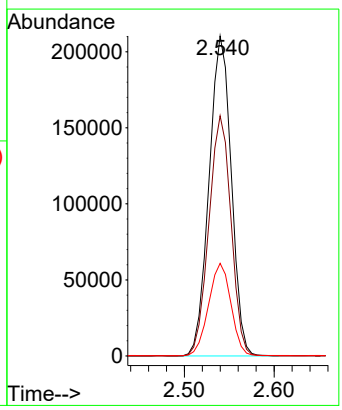


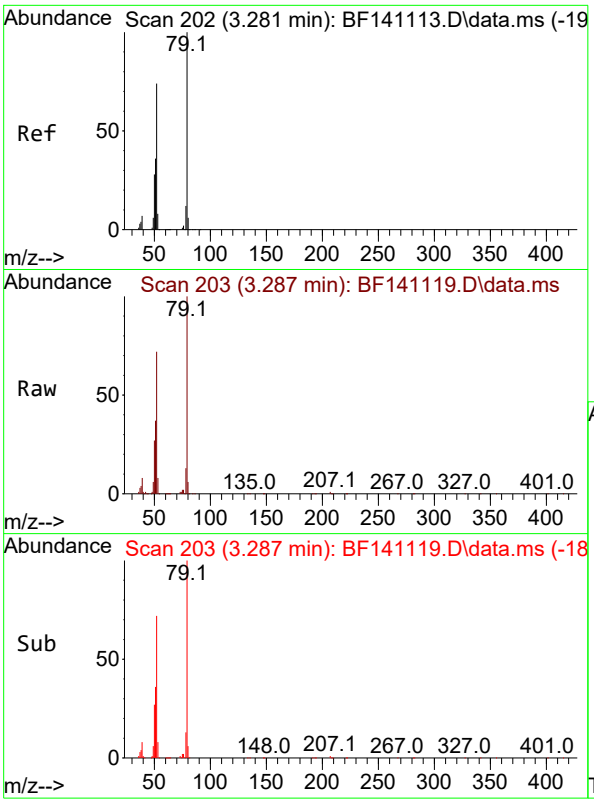




#2
1,4-Dioxane
Concen: 72.808 ng
RT: 2.540 min Scan# 76
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 88 Resp: 361586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.8 | 60.1 | 90.1 |
| 43 | 29.1 | 23.1 | 34.7 |



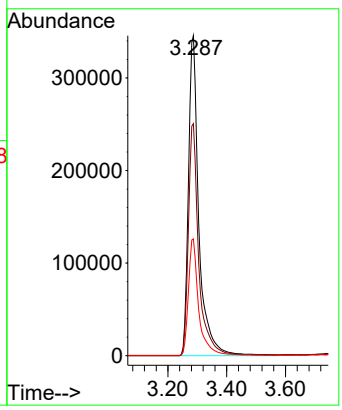


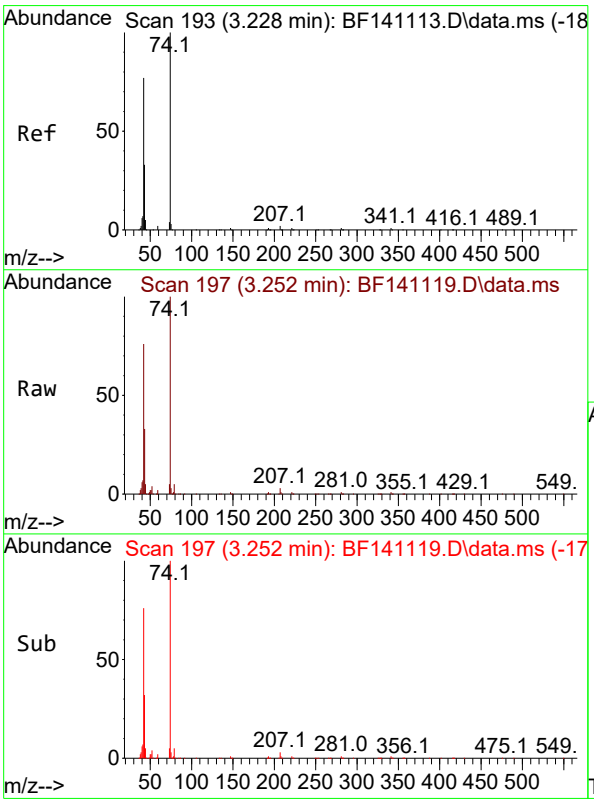

#3
Pyridine
Concen: 70.255 ng
RT: 3.287 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 79 Resp: 855609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 72.5 | 58.9 | 88.3 |
| 51 | 36.5 | 29.1 | 43.7 |

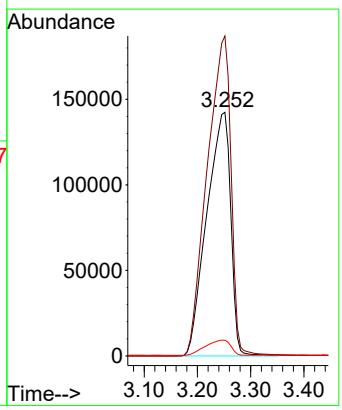


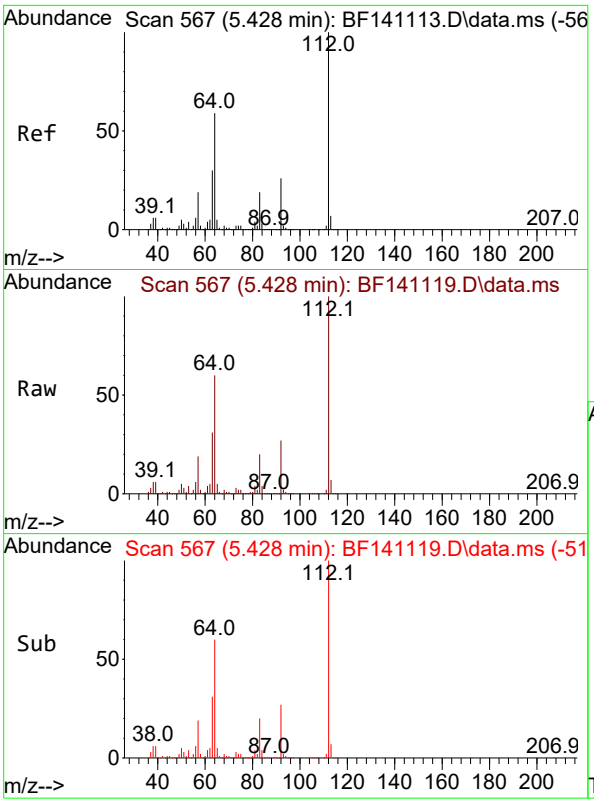




#4
n-Nitrosodimethylamine
Concen: 74.512 ng
RT: 3.252 min Scan# 197
Delta R.T. 0.024 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 42 Resp: 443709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 131.3 | 103.8 | 155.6 |
| 44 | 6.4 | 5.3 | 7.9 |



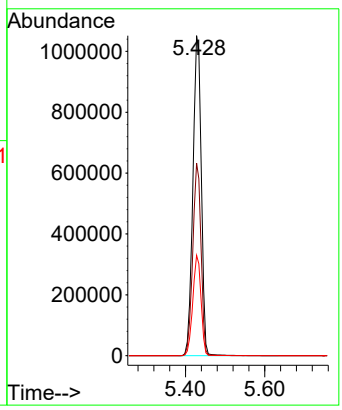


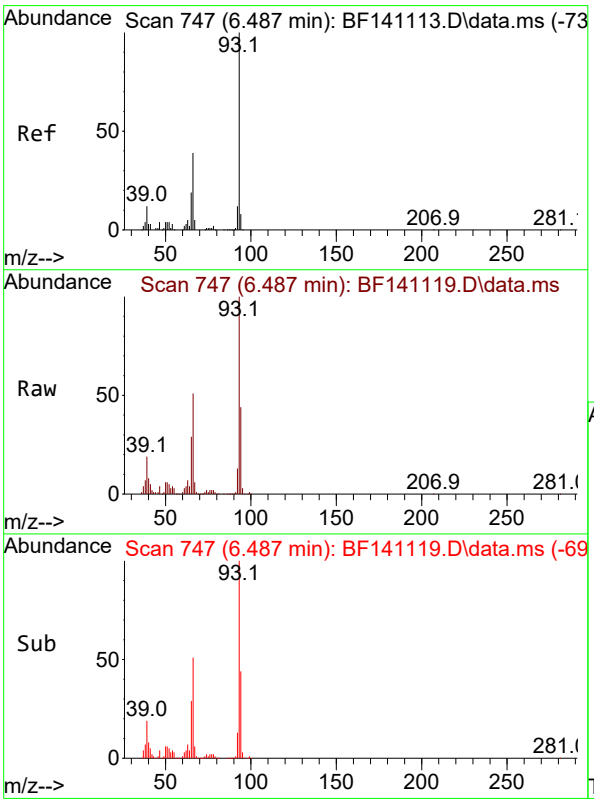

#5
2-Fluorophenol
Concen: 138.495 ng
RT: 5.428 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:112 Resp: 1544552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.2 | 47.3 | 70.9 |
| 63 | 31.3 | 24.2 | 36.2 |

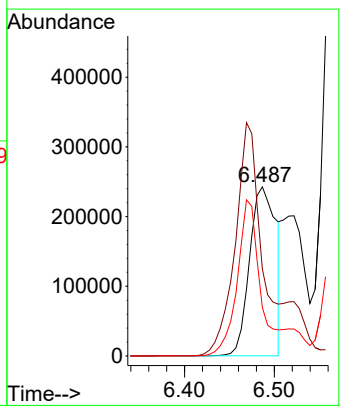


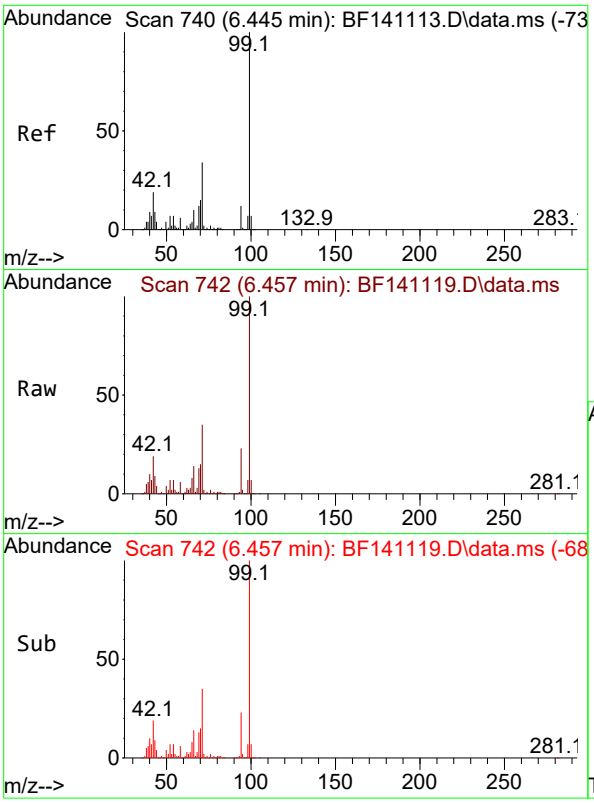




#6
Aniline
Concen: 39.689 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 93 Resp: 497802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 51.4 | 31.5 | 47.3# |
| 65 | 28.7 | 15.3 | 22.9# |



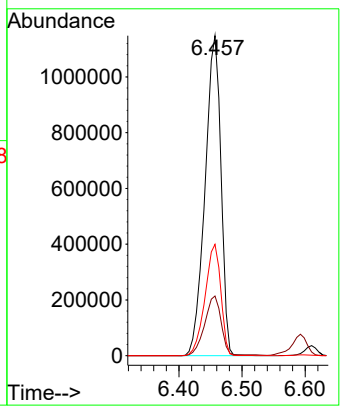


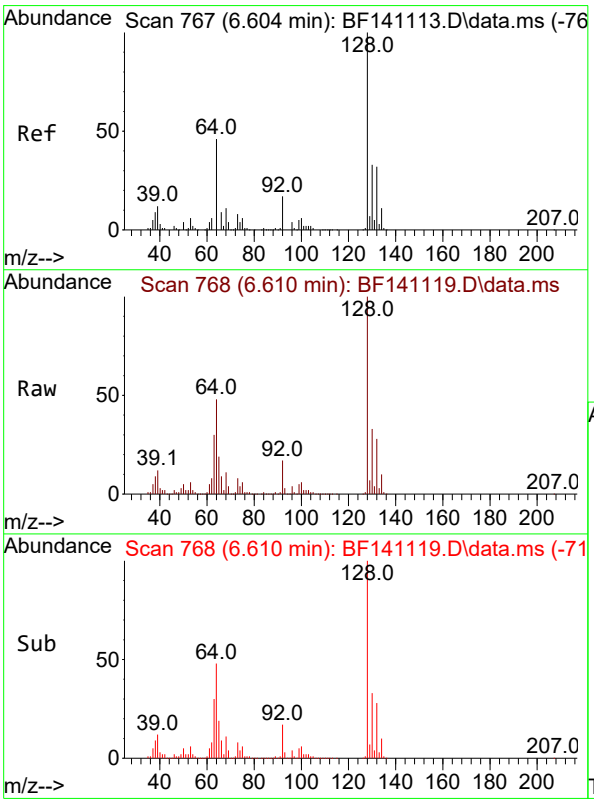

#7
Phenol-d6
Concen: 141.874 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 99 Resp: 2004230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.7 | 15.0 | 22.4 |
| 71 | 34.8 | 27.6 | 41.4 |

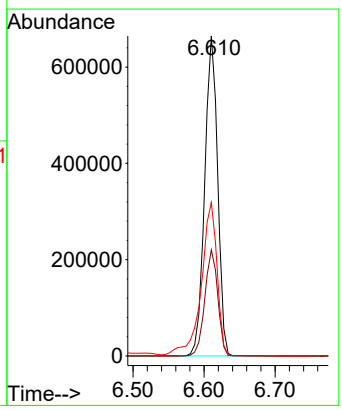


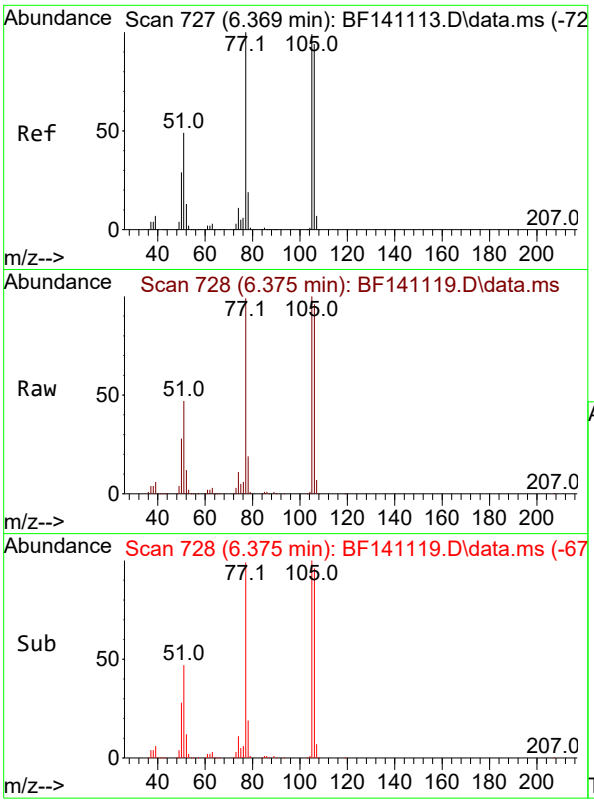




#8
2-Chlorophenol
Concen: 70.573 ng
RT: 6.610 min Scan# 768
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:128 Resp: 844417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.2 | 12.5 | 52.5 |
| 64 | 48.0 | 28.3 | 68.3 |



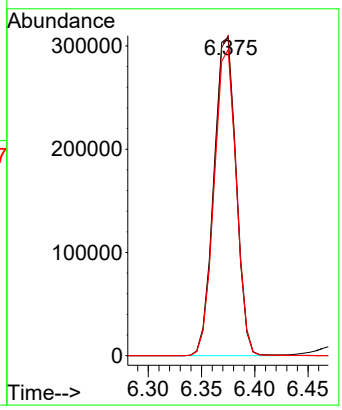


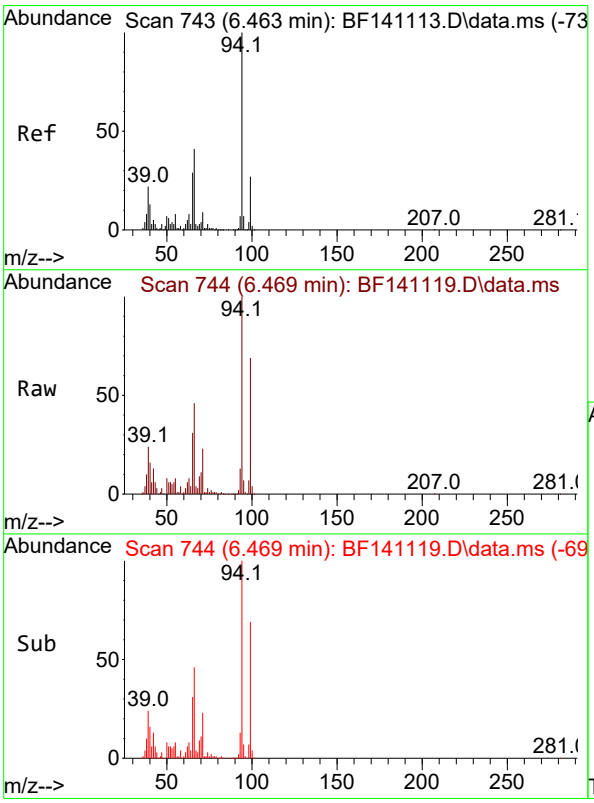

#9
Benzaldehyde
Concen: 56.624 ng
RT: 6.375 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 77 Resp: 446857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 100.6 | 78.9 | 118.9 |
| 106 | 96.2 | 73.6 | 113.6 |

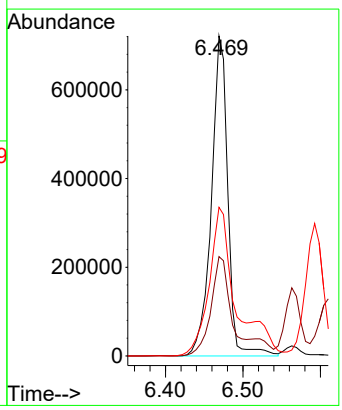


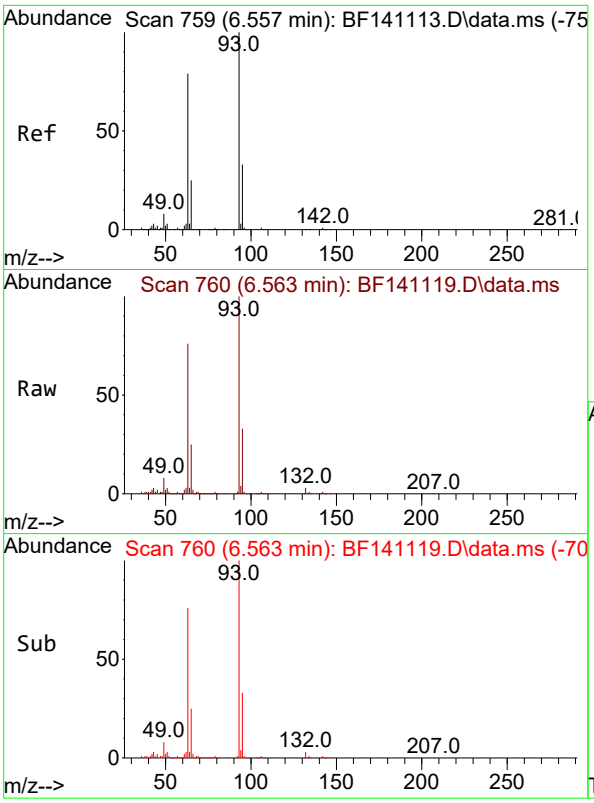




#10
Phenol
Concen: 70.563 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 94 Resp: 1067075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 31.1 | 8.9 | 48.9 |
| 66 | 46.4 | 21.2 | 61.2 |



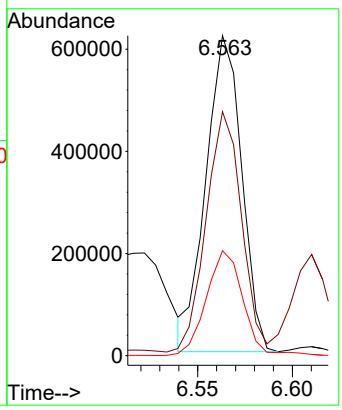


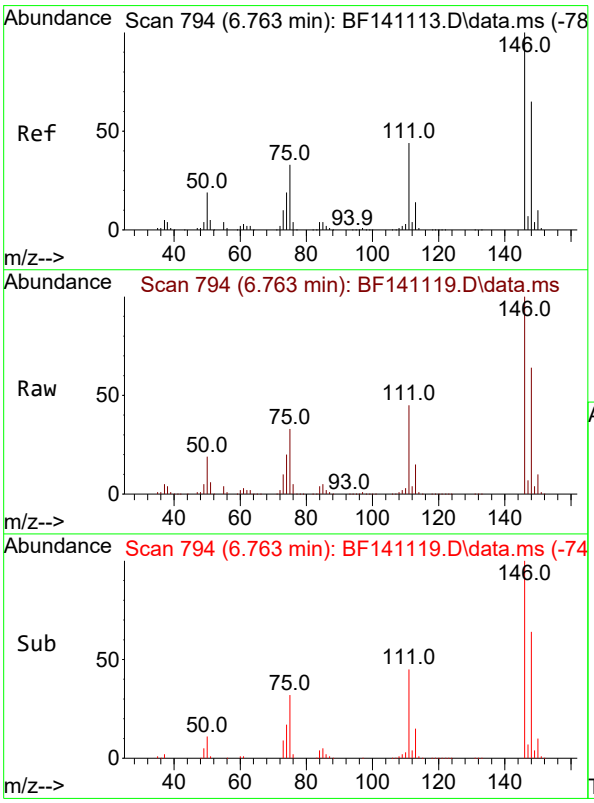

#11
bis(2-Chloroethyl)ether
Concen: 72.042 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 93 Resp: 811905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 76.2 | 58.0 | 98.0 |
| 95 | 32.8 | 12.5 | 52.5 |

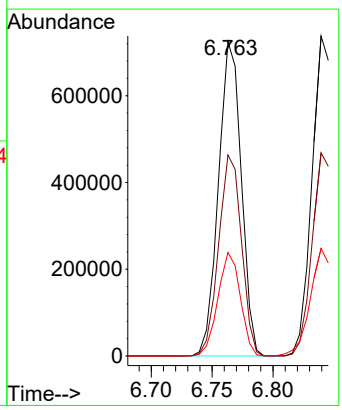


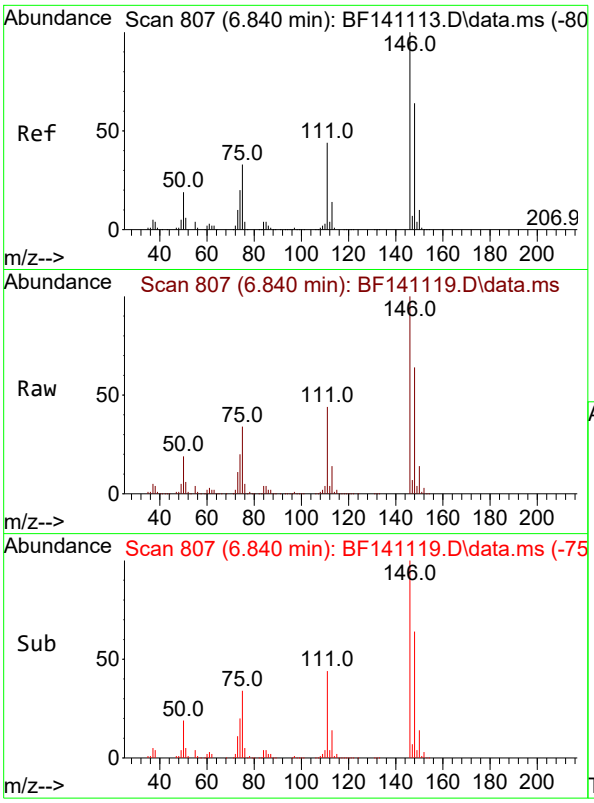




#12
1,3-Dichlorobenzene
Concen: 70.831 ng
RT: 6.763 min Scan# 794
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:146 Resp: 945224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.6 | 77.4 |
| 75 | 33.0 | 26.2 | 39.2 |



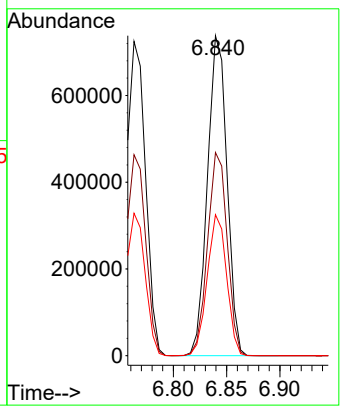


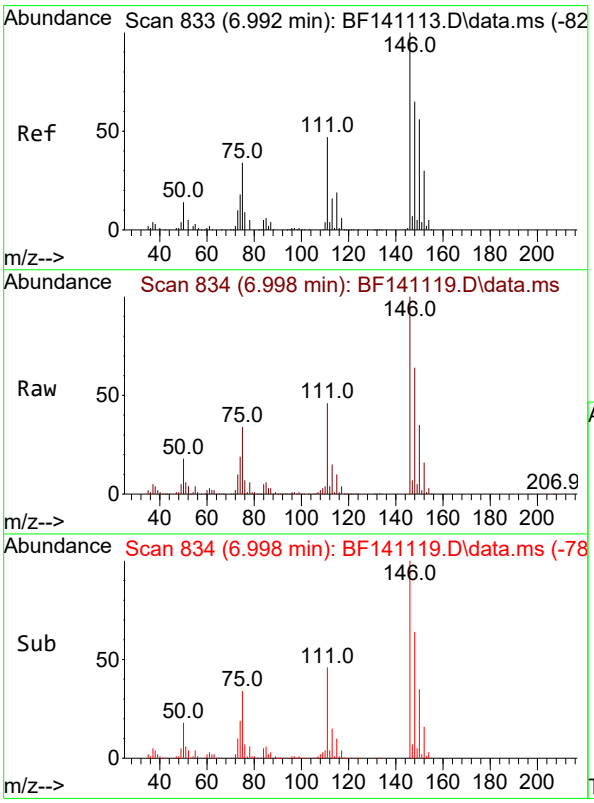

#13
1,4-Dichlorobenzene
Concen: 70.211 ng
RT: 6.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:146 Resp: 944179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.5 | 51.0 | 76.6 |
| 111 | 44.1 | 34.9 | 52.3 |

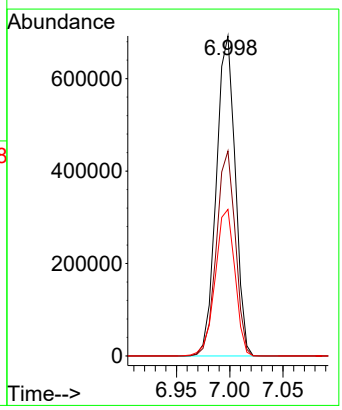


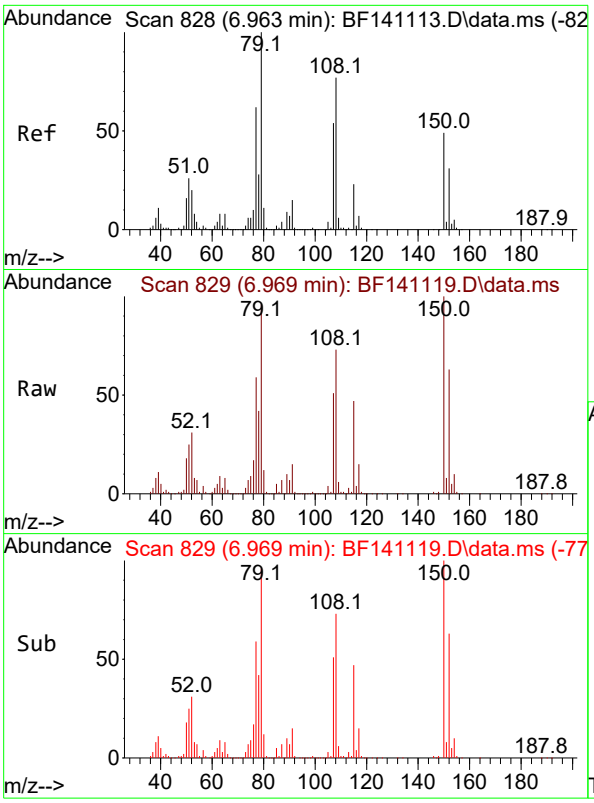




#14
1,2-Dichlorobenzene
Concen: 68.083 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:146 Resp: 854029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 52.2 | 78.4 |
| 111 | 45.8 | 37.5 | 56.3 |



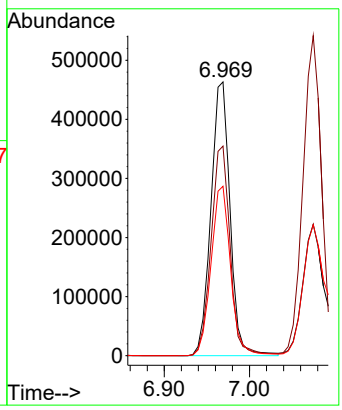


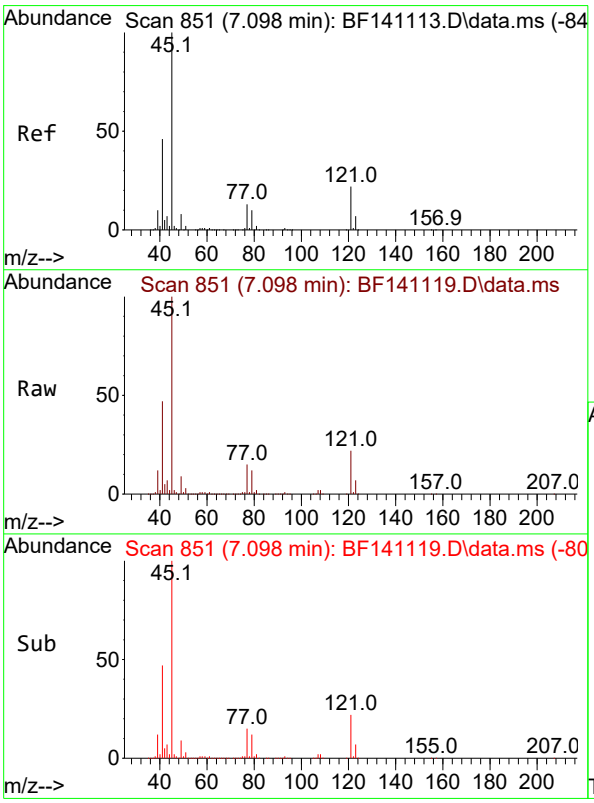

#15
Benzyl Alcohol
Concen: 70.781 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 79 Resp: 722113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.6 | 61.4 | 92.0 |
| 77 | 61.9 | 49.8 | 74.6 |

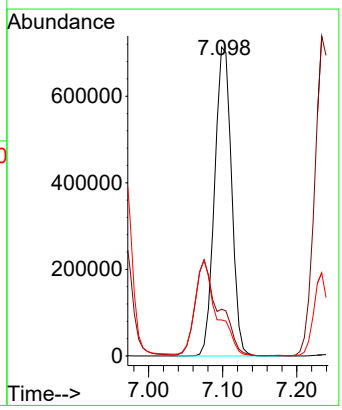


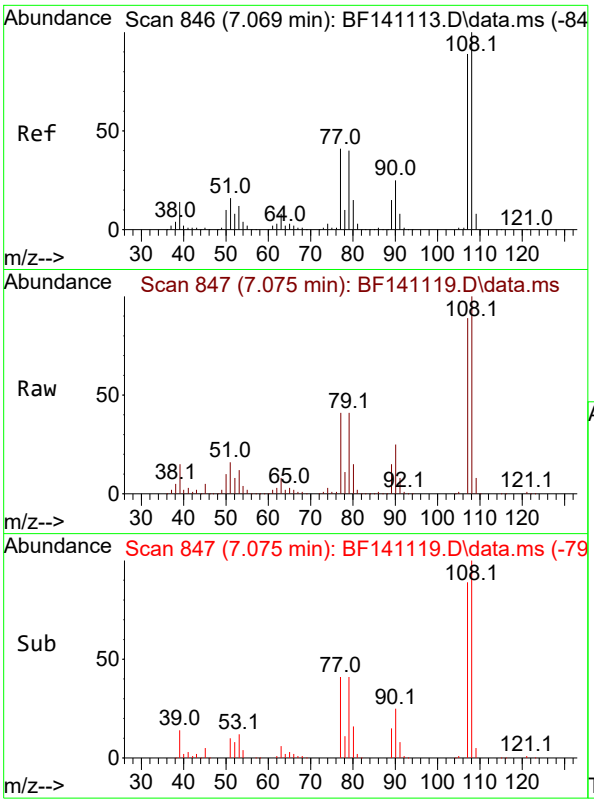




#16
2,2'-oxybis(1-Chloropropane)
Concen: 71.848 ng
RT: 7.098 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 45 Resp: 1129914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 15.1 | 0.0 | 34.1 |
| 79 | 11.7 | 0.0 | 31.0 |



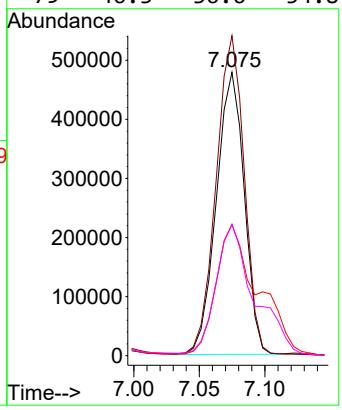


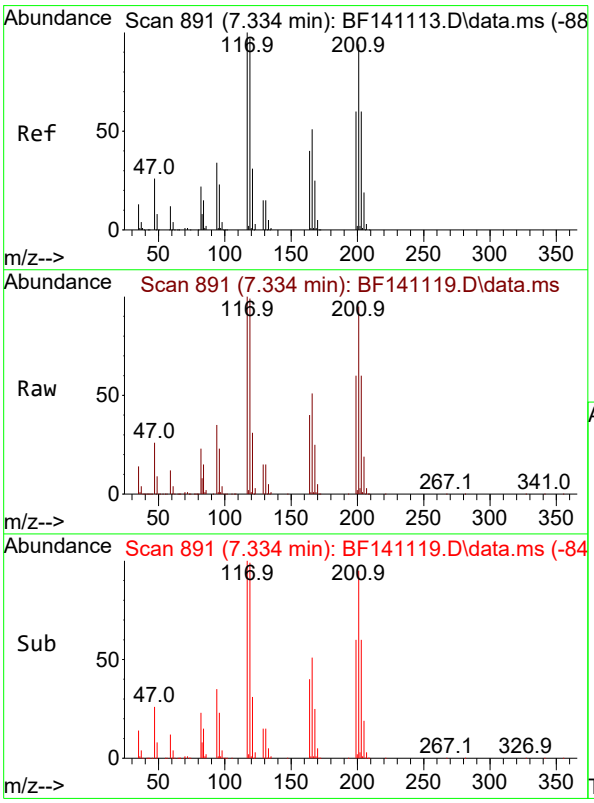

#17
2-Methylphenol
Concen: 73.257 ng
RT: 7.075 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:107 Resp: 707657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.9 | 90.1 | 135.1 |
| 77 | 46.2 | 36.6 | 55.0 |
| 79 | 46.3 | 36.6 | 54.8 |

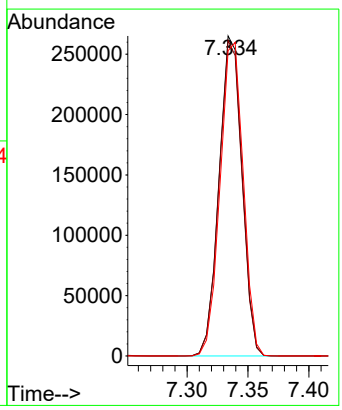


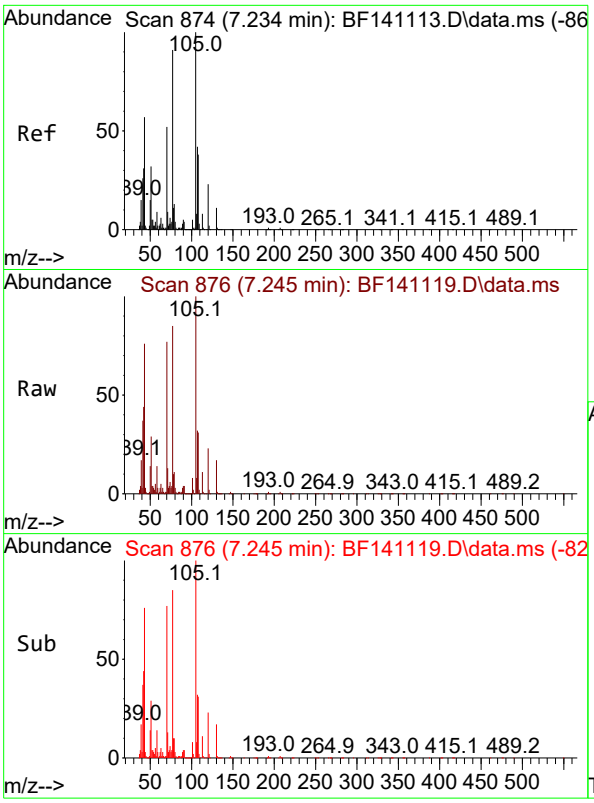




#18
Hexachloroethane
Concen: 71.795 ng
RT: 7.334 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:117 Resp: 349146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 98.6 | 77.6 | 116.4 |
| 201 | 95.4 | 75.1 | 112.7 |



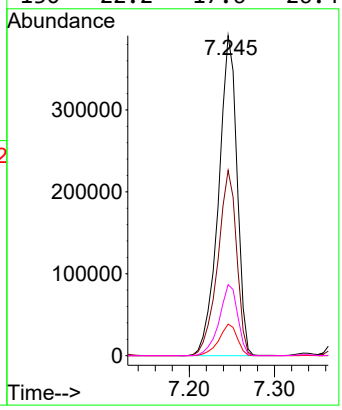


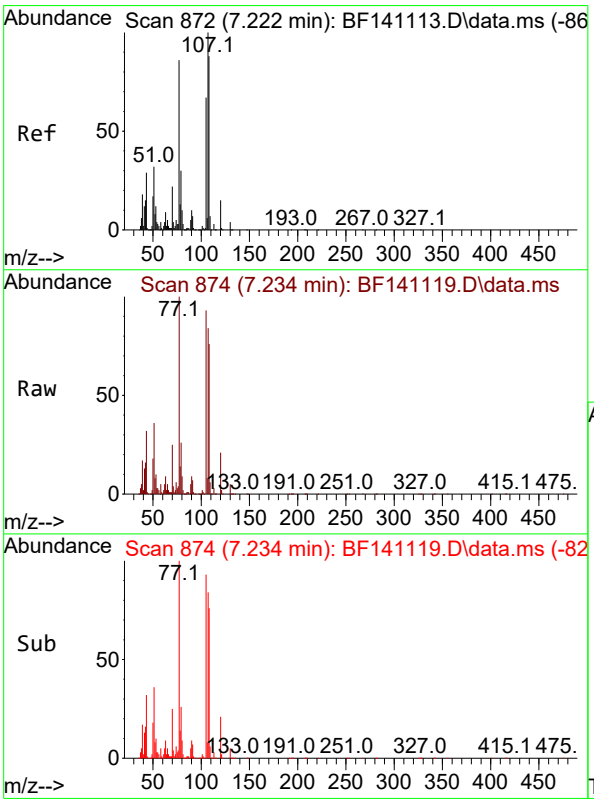

#19
n-Nitroso-di-n-propylamine
Concen: 70.753 ng
RT: 7.245 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 70 Resp: 588783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.9 | 47.8 | 71.6 |
| 101 | 9.8 | 7.9 | 11.9 |
| 130 | 22.2 | 17.6 | 26.4 |

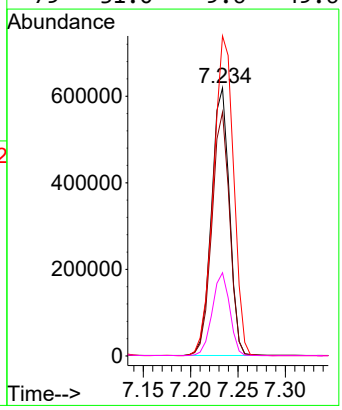


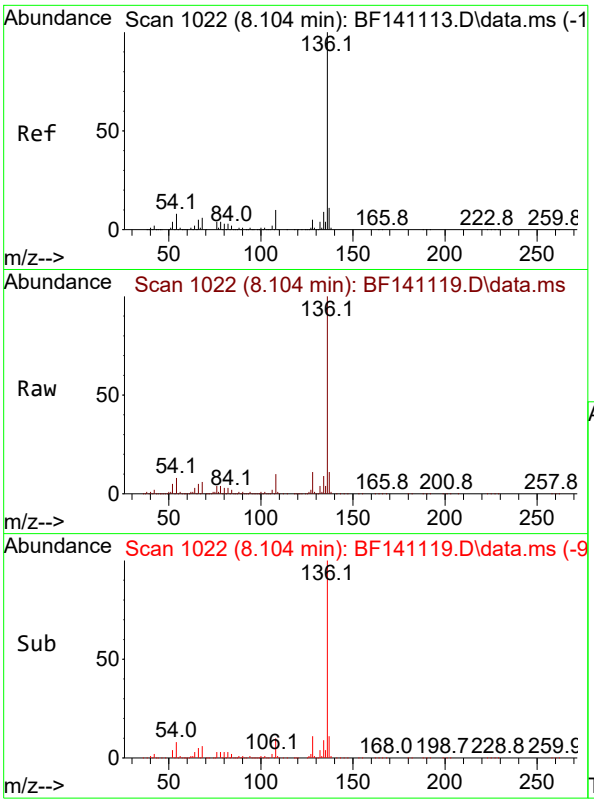




#20
3+4-Methylphenols
Concen: 66.732 ng
RT: 7.234 min Scan# 874
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:107 Resp: 813265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.9 | 68.3 | 108.3 |
| 77 | 119.4 | 66.4 | 106.4# |
| 79 | 31.0 | 9.6 | 49.6 |



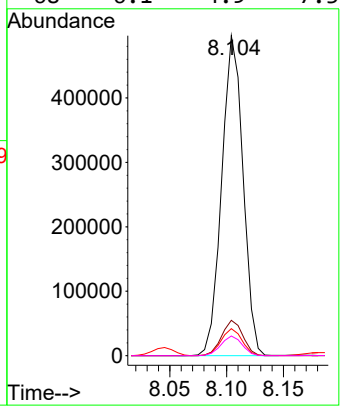


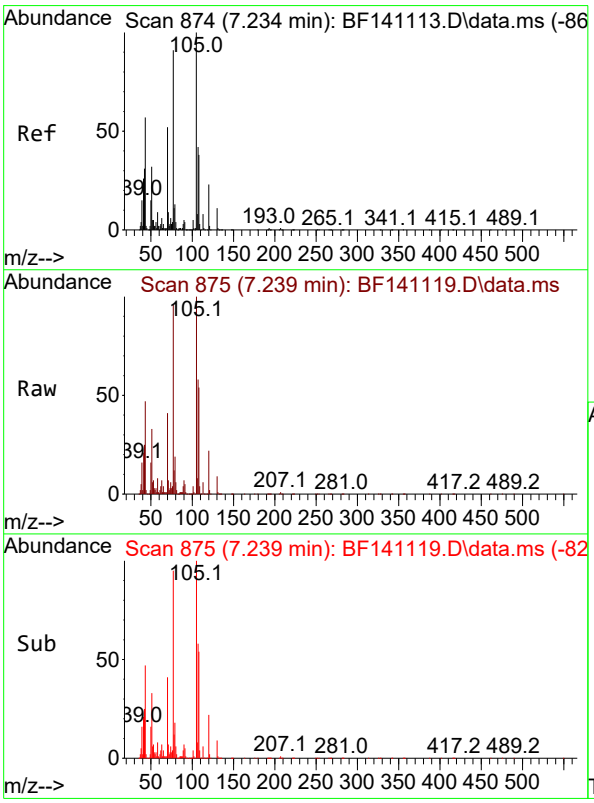

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:136 Resp: 648826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.8 | 13.2 |
| 54 | 8.5 | 6.3 | 9.5 |
| 68 | 6.1 | 4.9 | 7.3 |

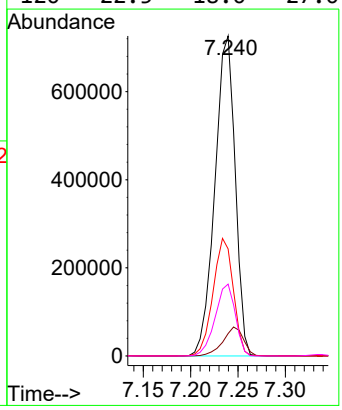


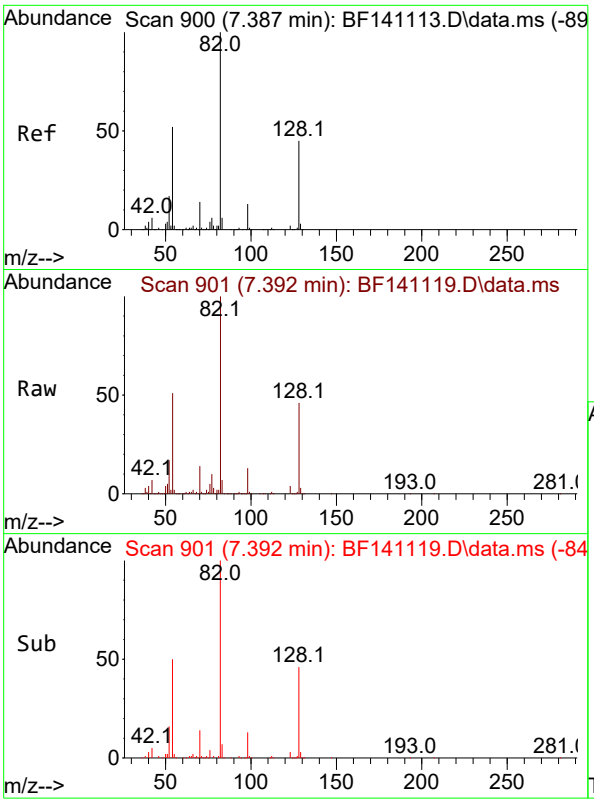




#22
Acetophenone
Concen: 70.218 ng
RT: 7.239 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:105 Resp: 1083059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.0 | 7.1 | 10.7# |
| 51 | 33.5 | 25.4 | 38.2 |
| 120 | 22.5 | 18.0 | 27.0 |



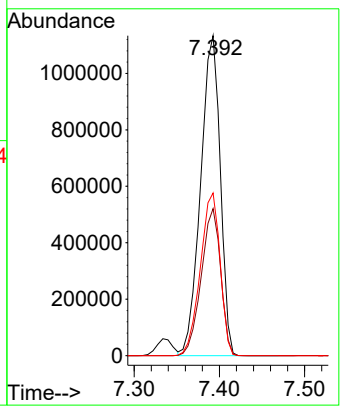


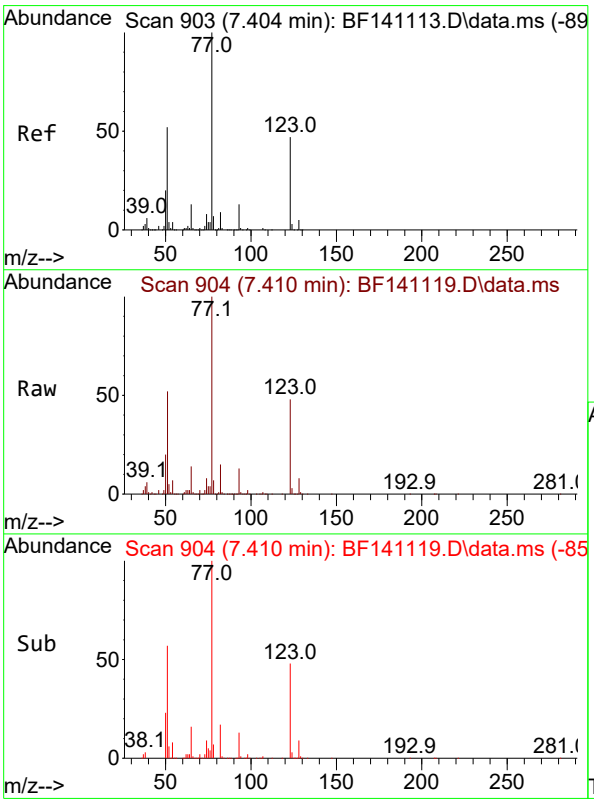

#23
Nitrobenzene-d5
Concen: 148.154 ng
RT: 7.392 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 82 Resp: 1813409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.9 | 36.1 | 54.1 |
| 54 | 50.9 | 41.0 | 61.4 |

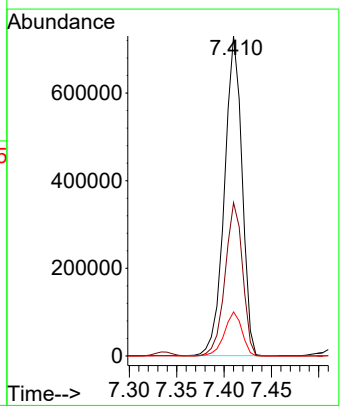


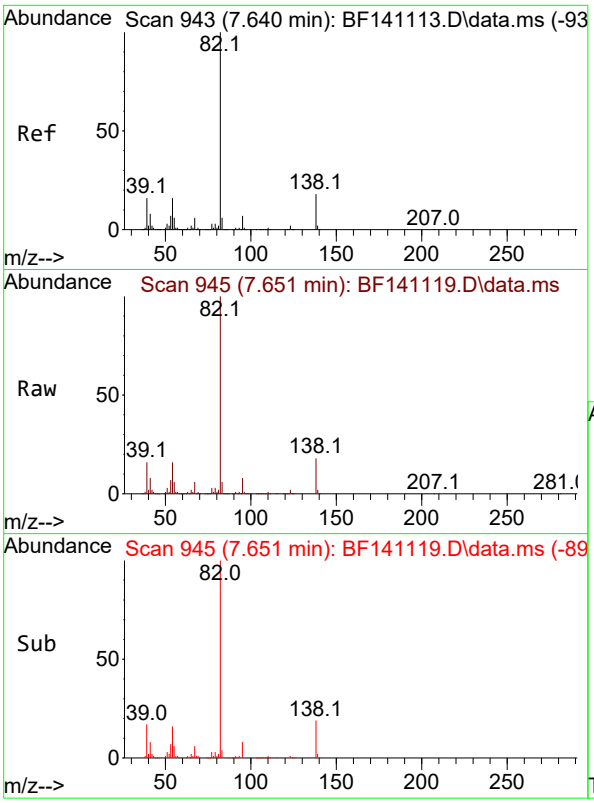




#24
Nitrobenzene
Concen: 73.960 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 77 Resp: 943483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.9 | 37.7 | 56.5 |
| 65 | 13.7 | 10.6 | 16.0 |



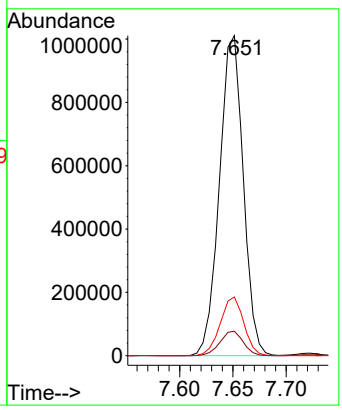


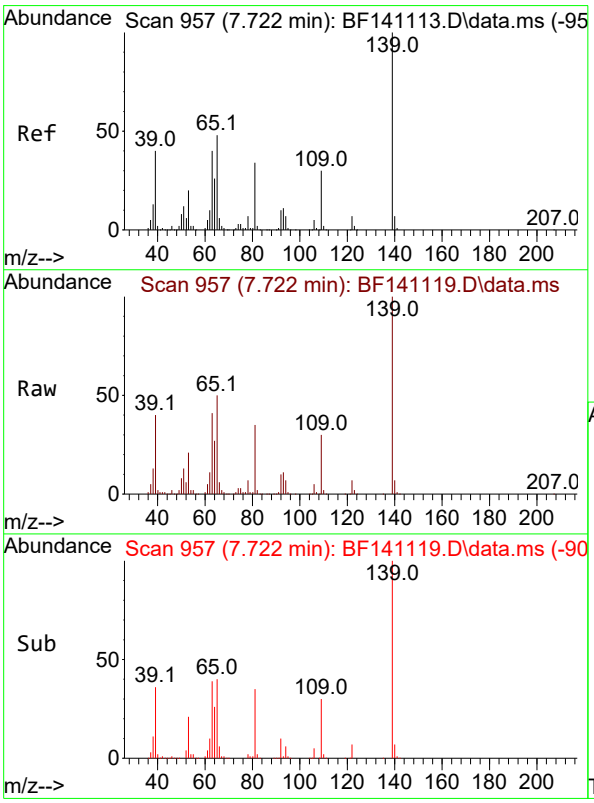

#25
Isophorone
Concen: 75.124 ng
RT: 7.651 min Scan# 94
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 82 Resp: 1571424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.6 | 5.9 | 8.9 |
| 138 | 18.4 | 14.2 | 21.2 |

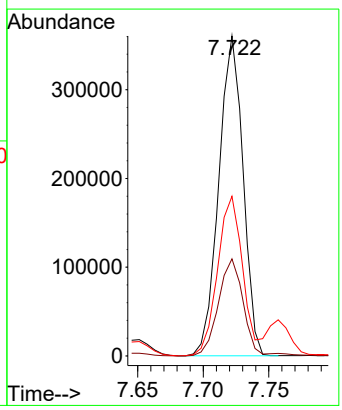


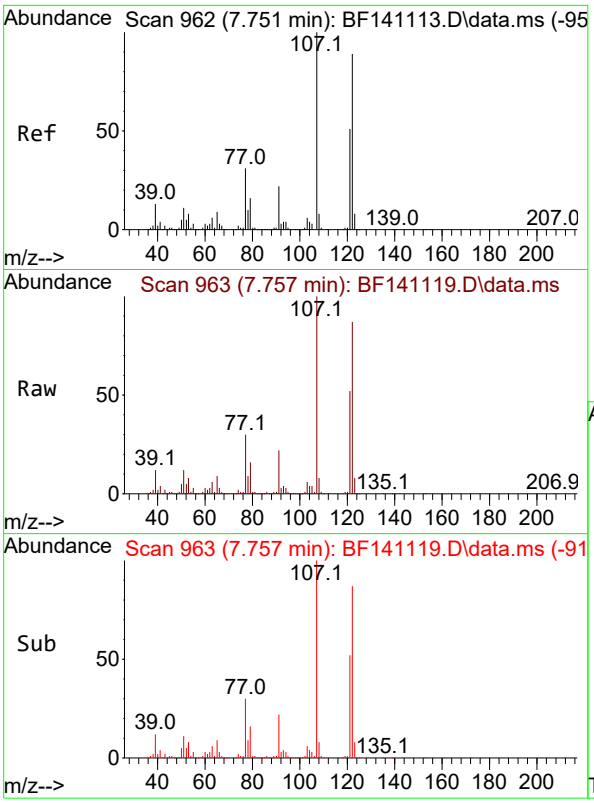




#26
2-Nitrophenol
Concen: 79.834 ng
RT: 7.722 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:139 Resp: 463267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.3 | 23.8 | 35.6 |
| 65 | 49.9 | 38.5 | 57.7 |



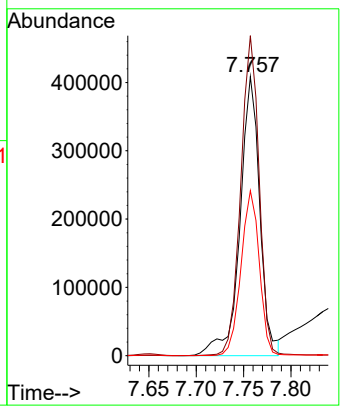


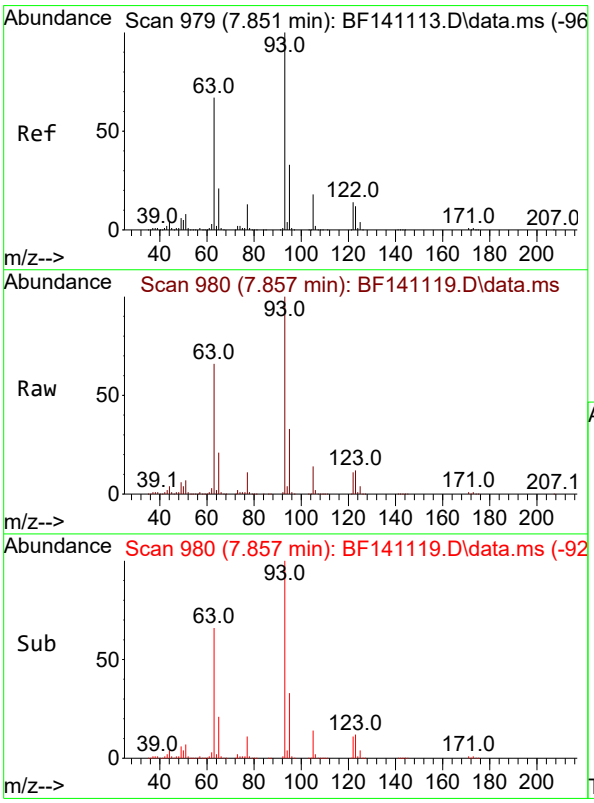

#27
2,4-Dimethylphenol
Concen: 75.959 ng
RT: 7.757 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:122 Resp: 594544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.7 | 90.3 | 135.5 |
| 121 | 59.1 | 46.5 | 69.7 |

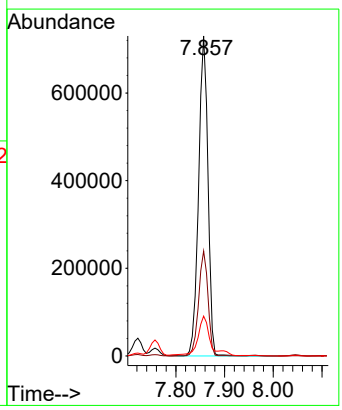


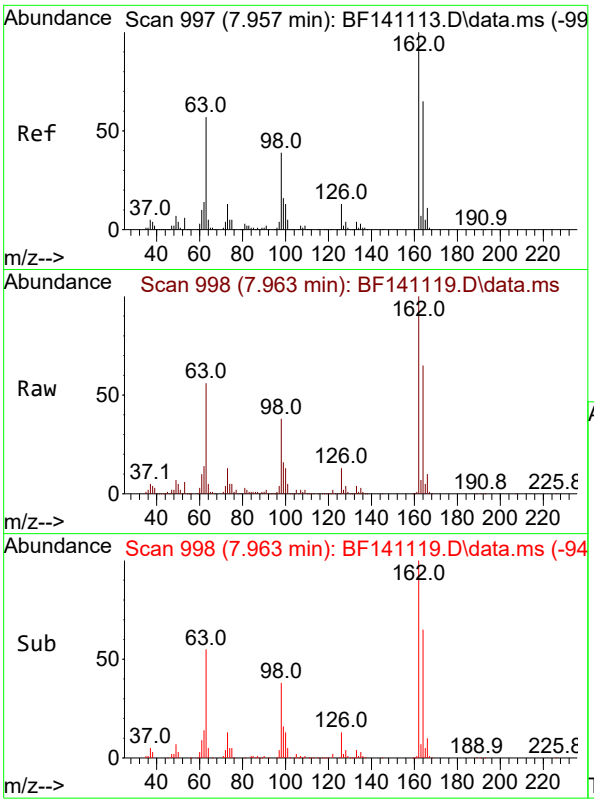




#28
bis(2-Chloroethoxy)methane
Concen: 74.449 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 93 Resp: 977334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.8 | 26.2 | 39.4 |
| 123 | 12.5 | 10.1 | 15.1 |



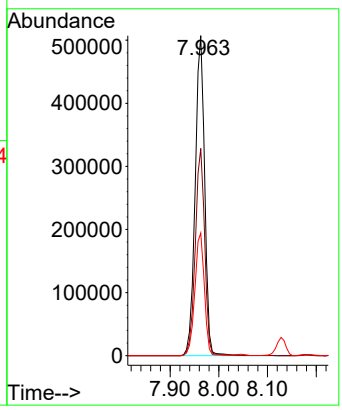


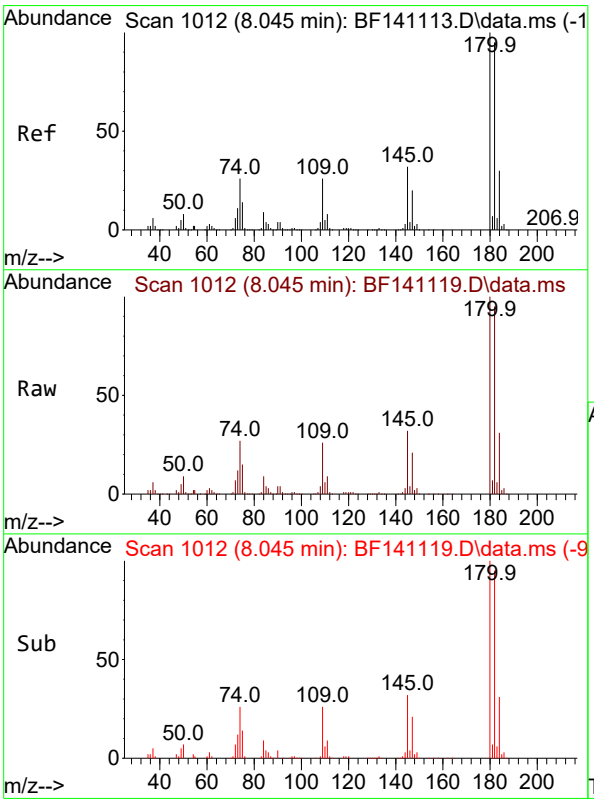

#29
2,4-Dichlorophenol
Concen: 74.162 ng
RT: 7.963 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:162 Resp: 689420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.8 | 44.5 | 84.5 |
| 98 | 38.3 | 18.5 | 58.5 |

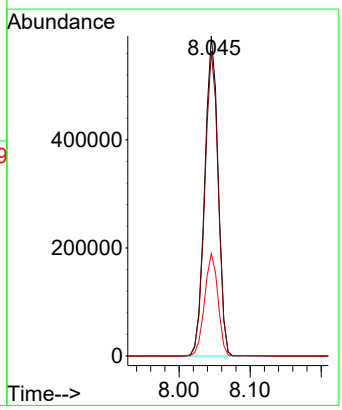


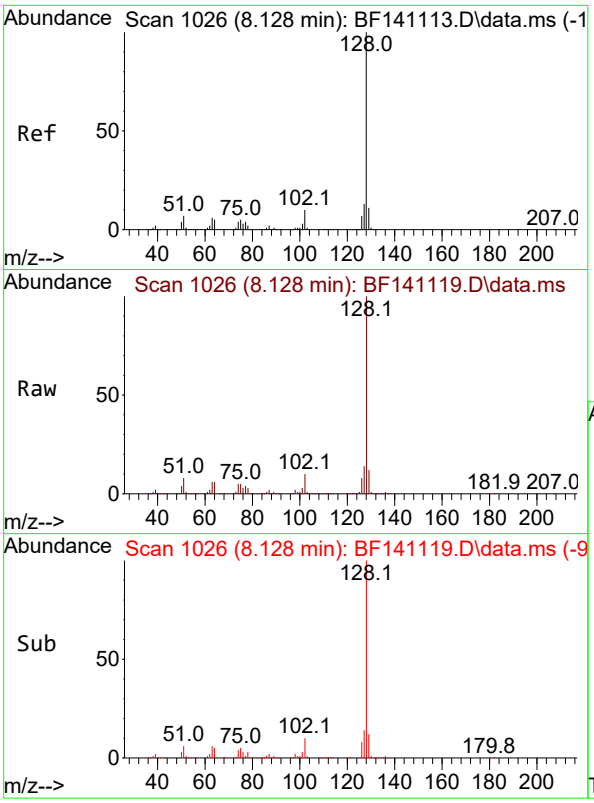




#30
1,2,4-Trichlorobenzene
Concen: 73.098 ng
RT: 8.045 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:180 Resp: 776721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 76.2 | 114.2 |
| 145 | 32.0 | 25.3 | 37.9 |



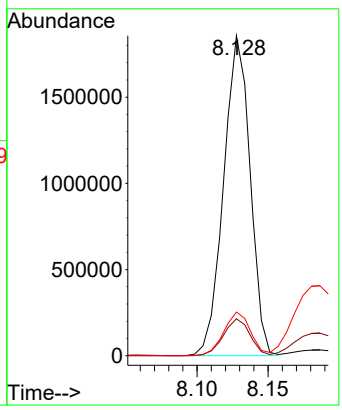


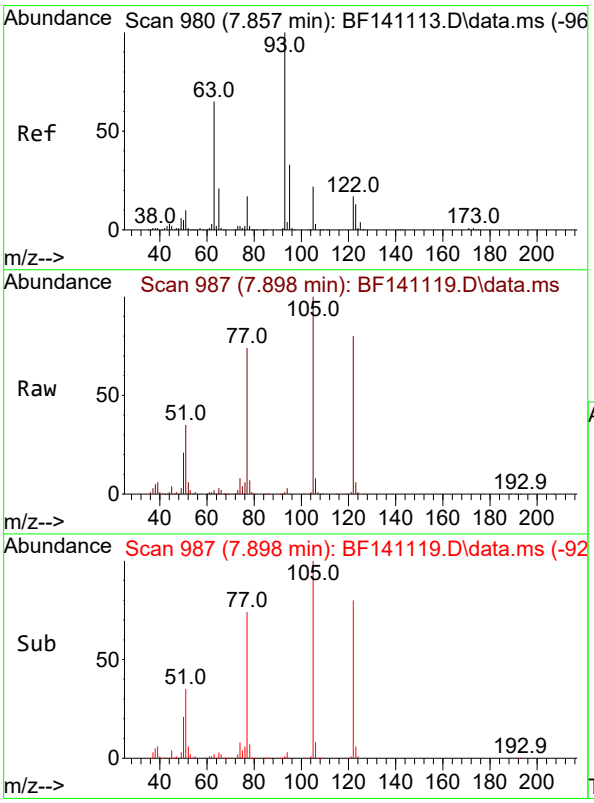

#31
Naphthalene
Concen: 70.480 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:128 Resp: 2411578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.6 | 9.0 | 13.6 |
| 127 | 13.6 | 10.8 | 16.2 |

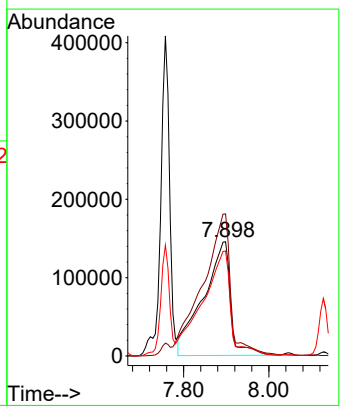


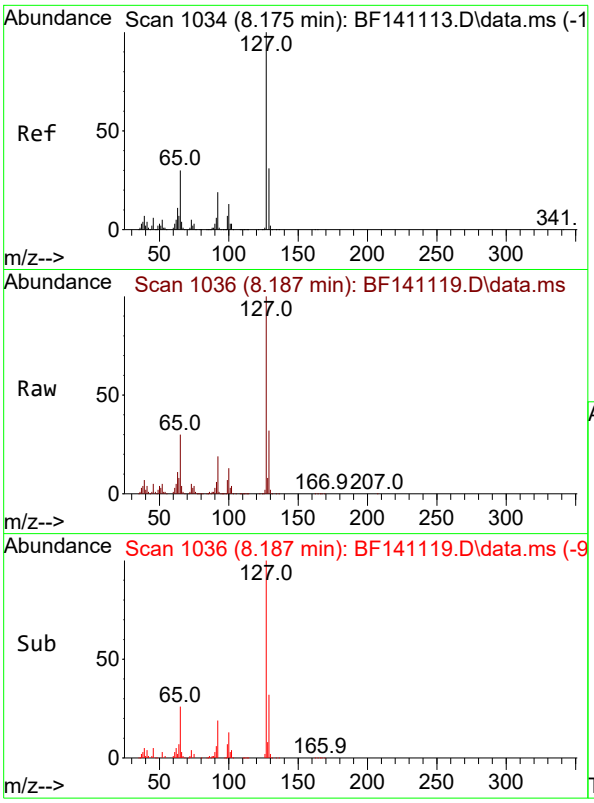




#32
Benzoic acid
Concen: 86.411 ng
RT: 7.898 min Scan# 987
Delta R.T. 0.041 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:122 Resp: 648810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.5 | 105.5 | 145.5 |
| 77 | 91.9 | 75.1 | 115.1 |



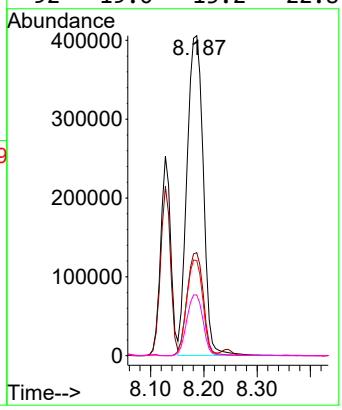


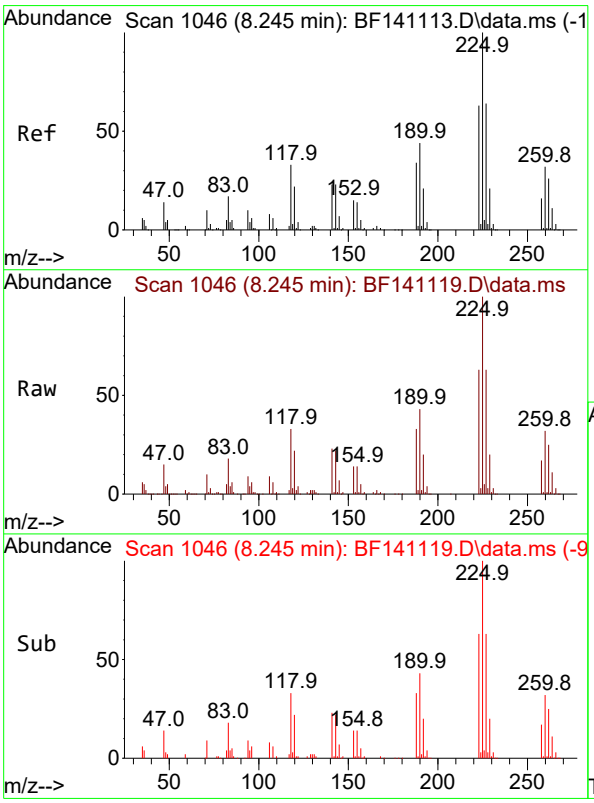

#33
4-Chloroaniline
Concen: 72.688 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:127 Resp: 860135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.2 | 25.9 | 38.9 |
| 65 | 29.7 | 23.8 | 35.8 |
| 92 | 19.0 | 15.2 | 22.8 |

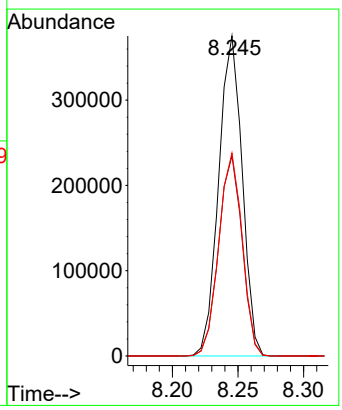


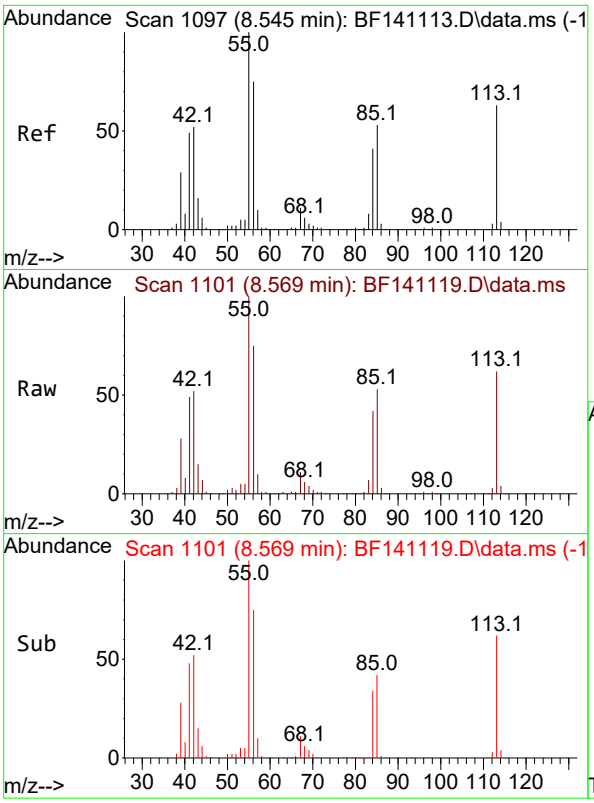




#34
Hexachlorobutadiene
Concen: 72.969 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:225 Resp: 467194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 50.6 | 76.0 |
| 227 | 63.4 | 51.6 | 77.4 |



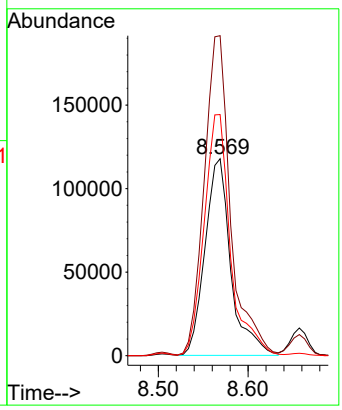


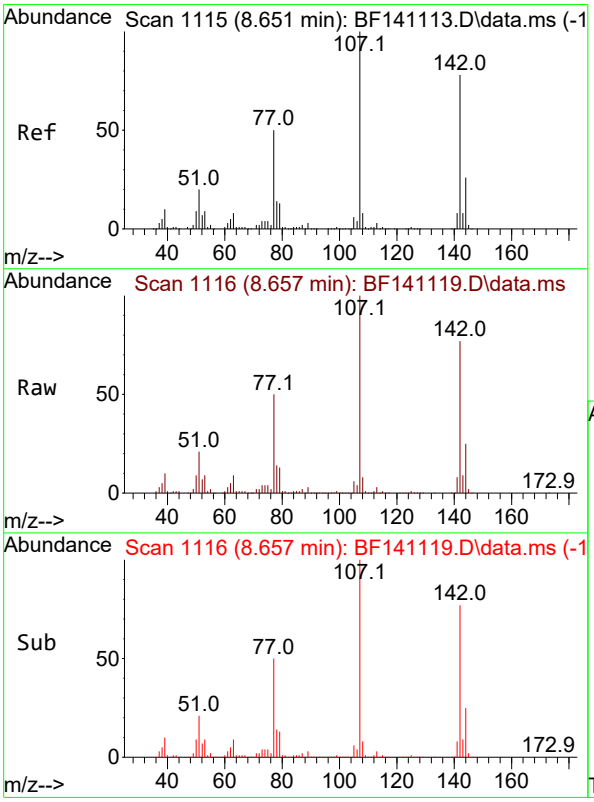

#35
Caprolactam
Concen: 77.436 ng
RT: 8.569 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:113 Resp: 236127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 162.5 | 139.7 | 179.7 |
| 56 | 122.5 | 99.4 | 139.4 |

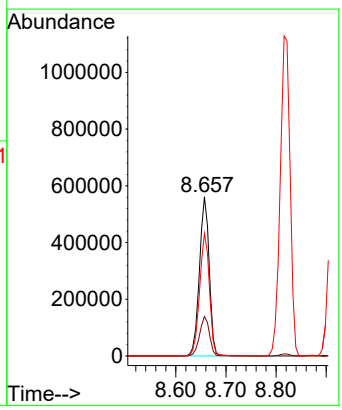


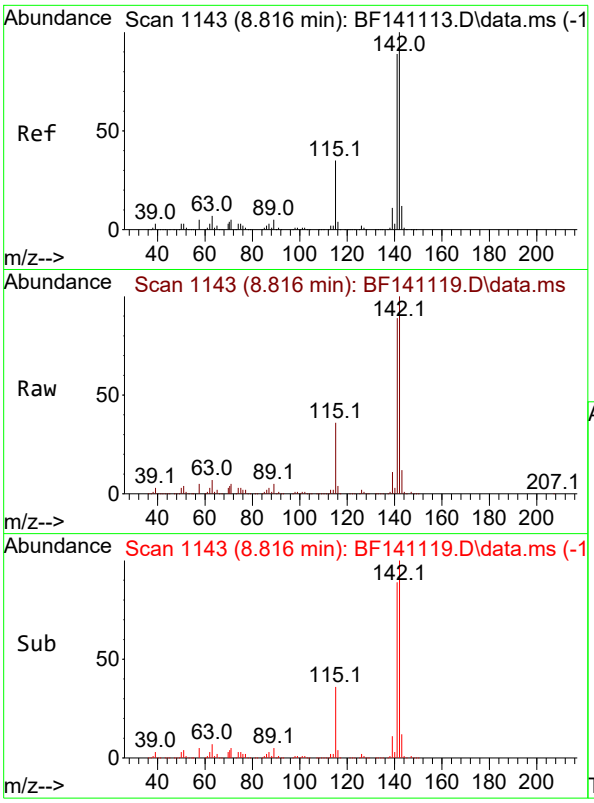




#36
4-Chloro-3-methylphenol
Concen: 74.822 ng
RT: 8.657 min Scan# 1116
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:107 Resp: 760692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.9 | 20.4 | 30.6 |
| 142 | 76.8 | 62.2 | 93.2 |



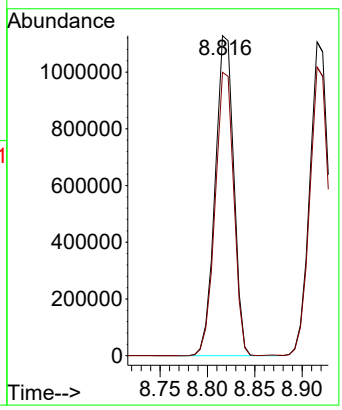


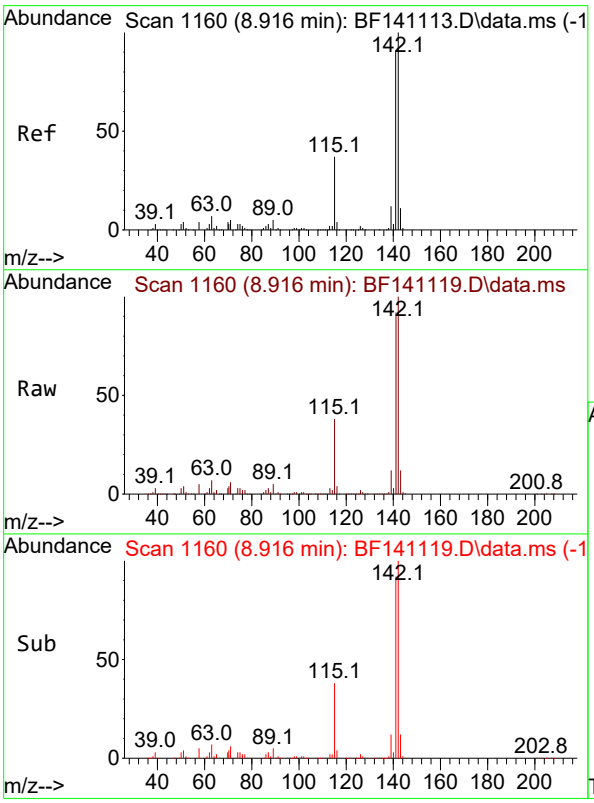

#37
2-Methylnaphthalene
Concen: 70.820 ng
RT: 8.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:142 Resp: 1544153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.5 | 71.3 | 106.9 |

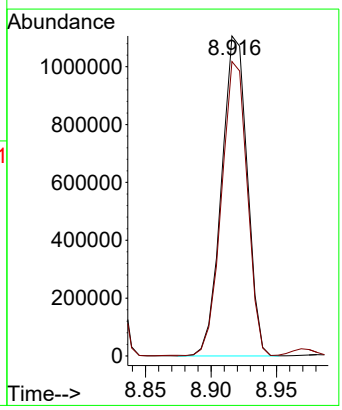


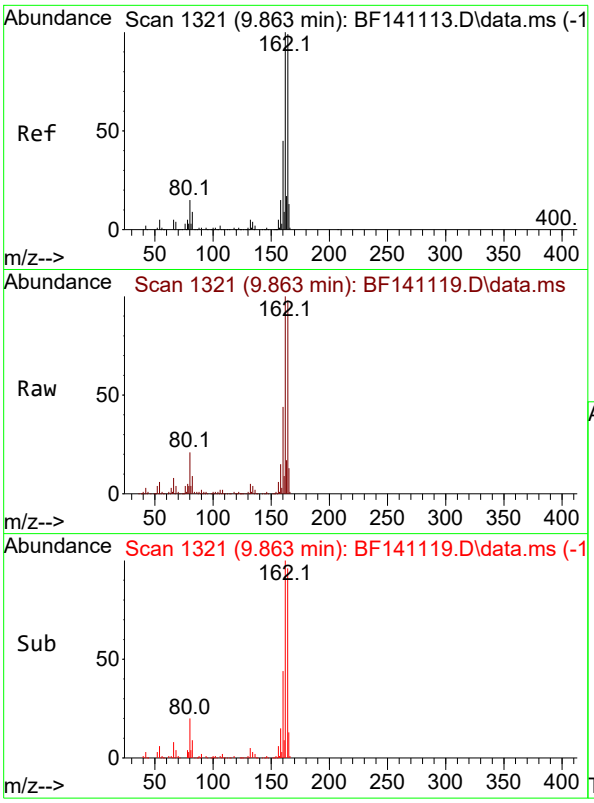




#38
1-Methylnaphthalene
Concen: 70.172 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:142 Resp: 1507881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.0 | 73.1 | 109.7 |



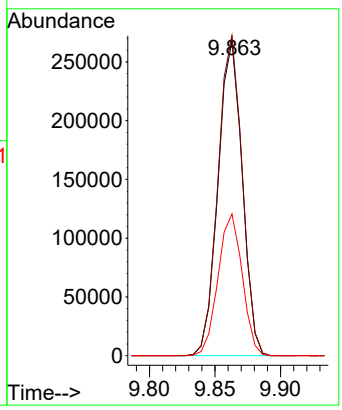


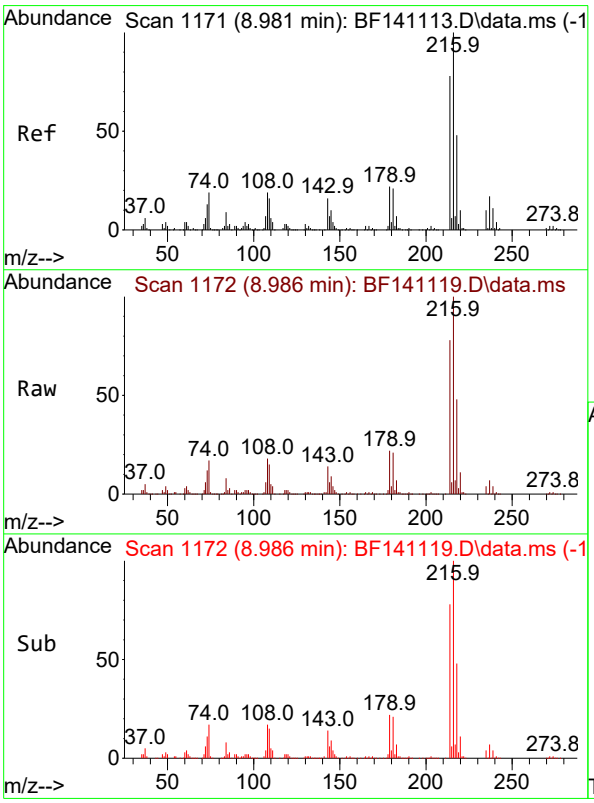

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:164 Resp: 342460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.7 | 81.0 | 121.4 |
| 160 | 45.1 | 36.1 | 54.1 |

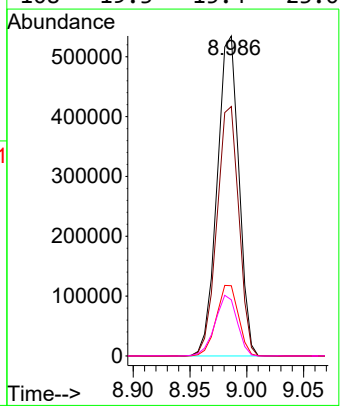


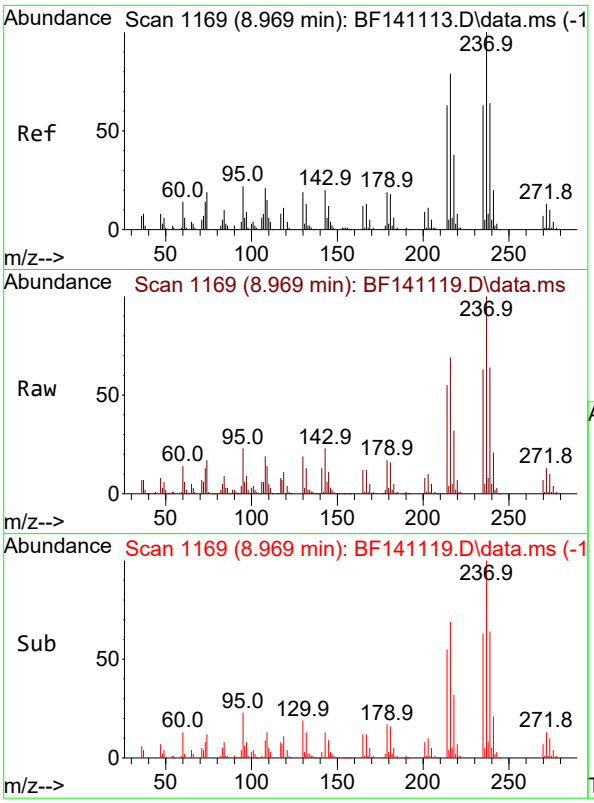




#40
1,2,4,5-Tetrachlorobenzene
Concen: 72.478 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:216 Resp: 712407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.5 | 62.6 | 94.0 |
| 179 | 22.4 | 17.7 | 26.5 |
| 108 | 19.3 | 15.4 | 23.0 |



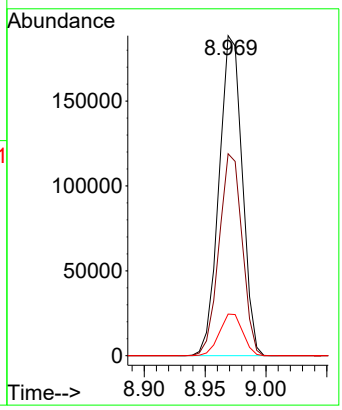


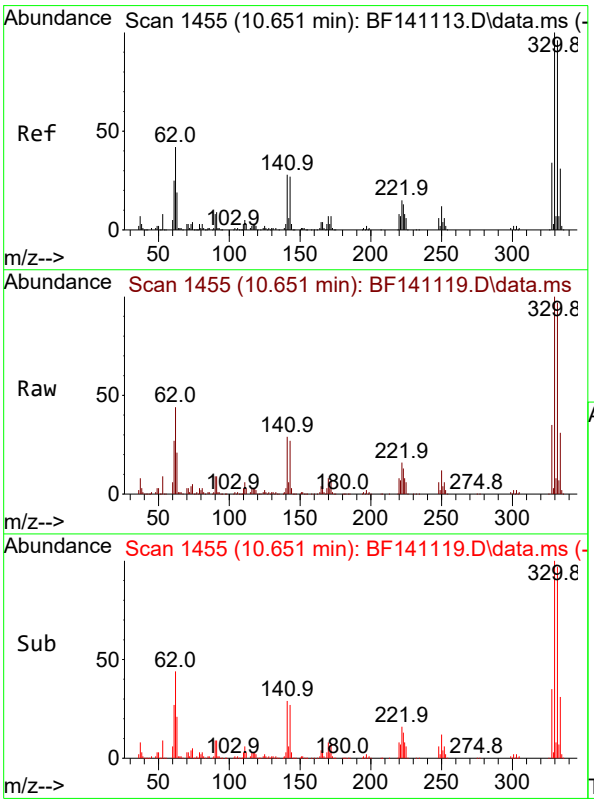

#41
Hexachlorocyclopentadiene
Concen: 77.724 ng
RT: 8.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:237 Resp: 249944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.1 | 43.0 | 83.0 |
| 272 | 13.0 | 0.0 | 33.0 |

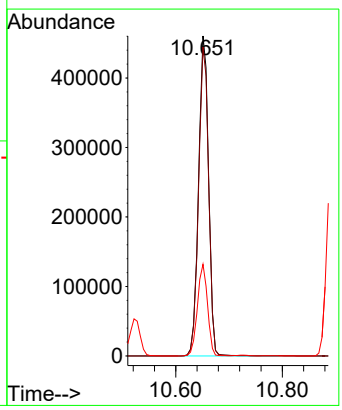


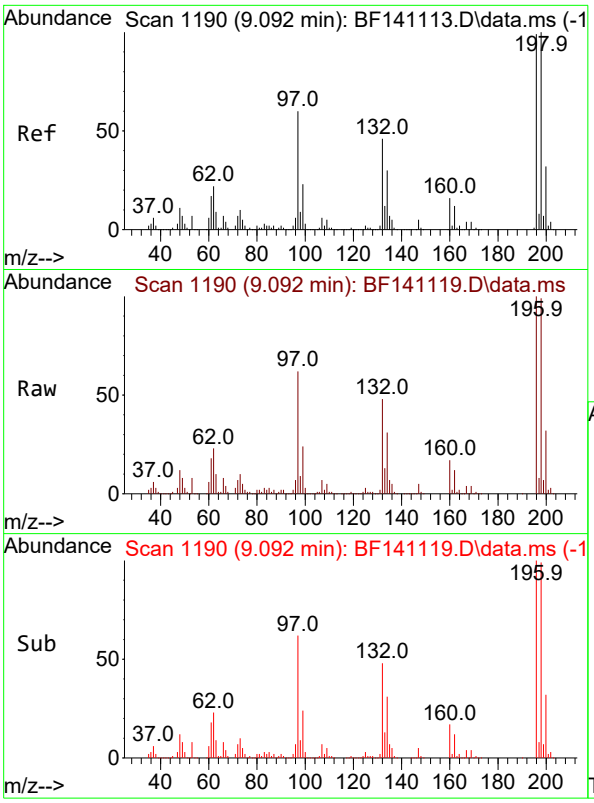




#42
2,4,6-Tribromophenol
Concen: 154.132 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:330 Resp: 601438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 76.9 | 115.3 |
| 141 | 28.9 | 25.2 | 37.8 |



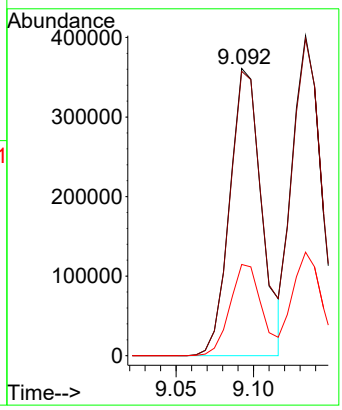


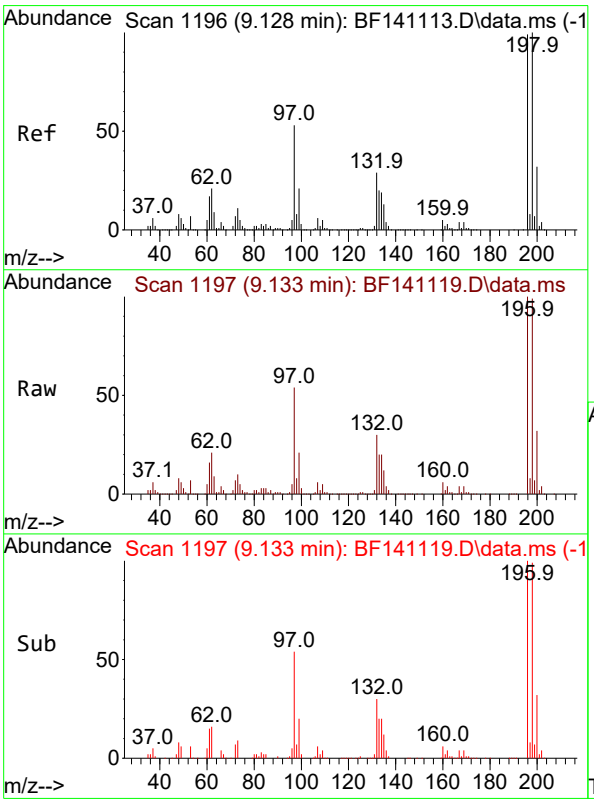

#43
2,4,6-Trichlorophenol
Concen: 77.920 ng
RT: 9.092 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:196 Resp: 516551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.0 | 80.8 | 121.2 |
| 200 | 31.7 | 25.7 | 38.5 |

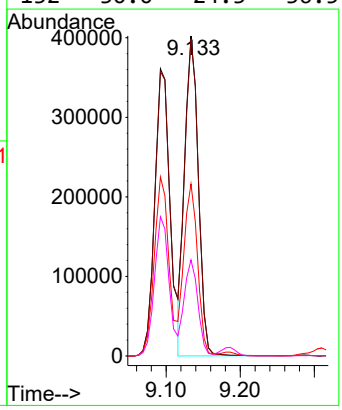


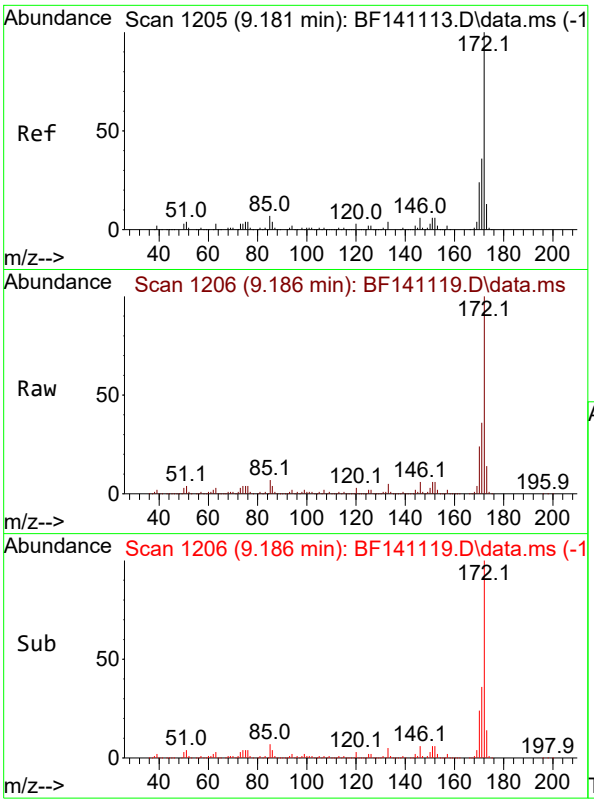




#44
2,4,5-Trichlorophenol
Concen: 73.839 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:196 Resp: 516966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.1 | 80.6 | 120.8 |
| 97 | 53.8 | 43.1 | 64.7 |
| 132 | 30.0 | 24.3 | 36.5 |



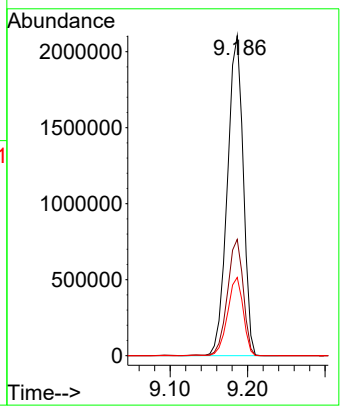


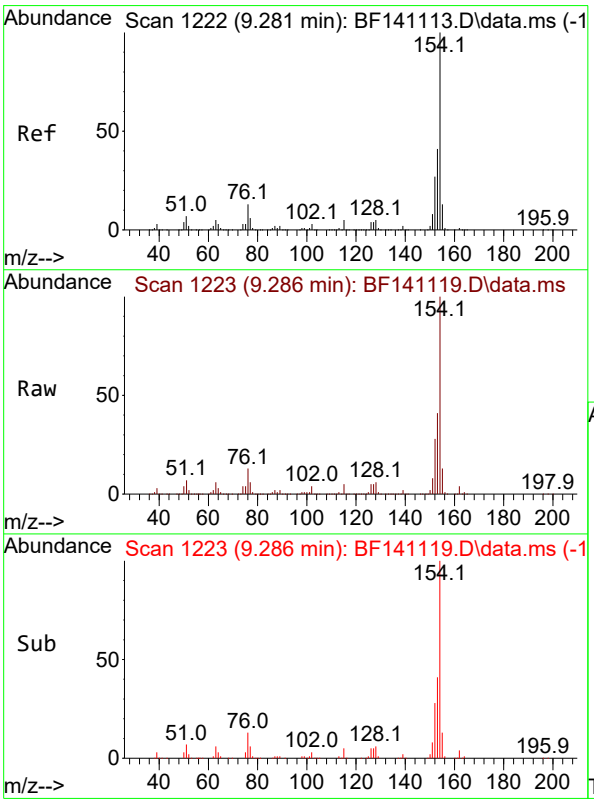

#45
2-Fluorobiphenyl
Concen: 133.666 ng
RT: 9.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:172 Resp: 2997639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.3 | 28.7 | 43.1 |
| 170 | 24.4 | 19.0 | 28.6 |

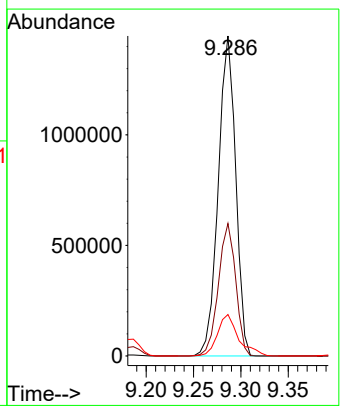


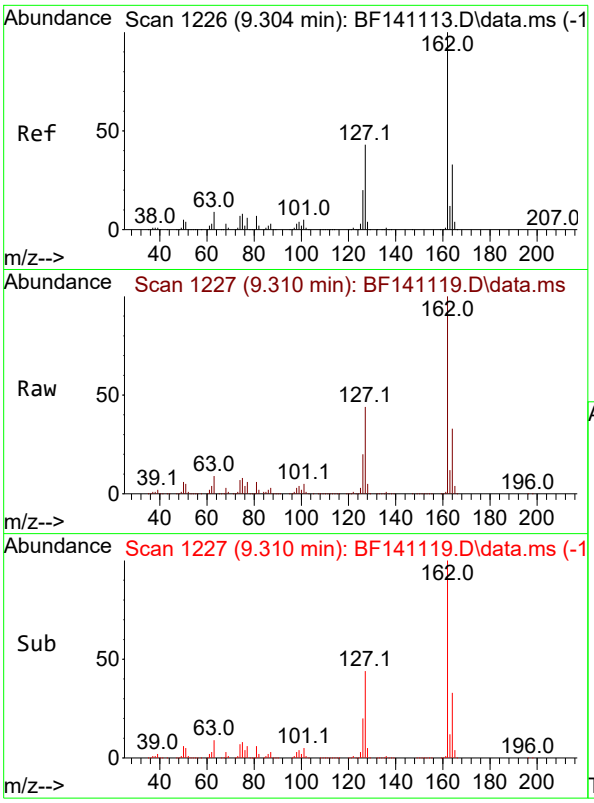




#46
1,1'-Biphenyl
Concen: 69.734 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:154 Resp: 1854615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.4 | 20.7 | 60.7 |
| 76 | 12.9 | 0.0 | 33.1 |



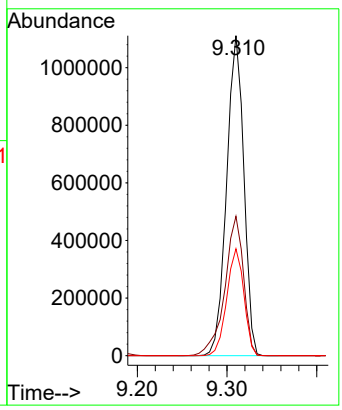


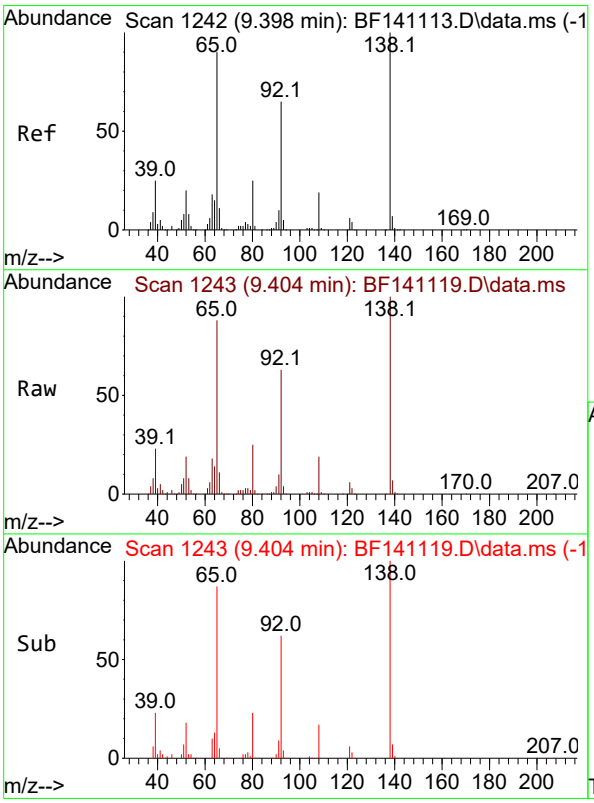

#47
2-Chloronaphthalene
Concen: 71.352 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:162 Resp: 1478014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.6 | 34.6 | 51.8 |
| 164 | 33.4 | 26.5 | 39.7 |

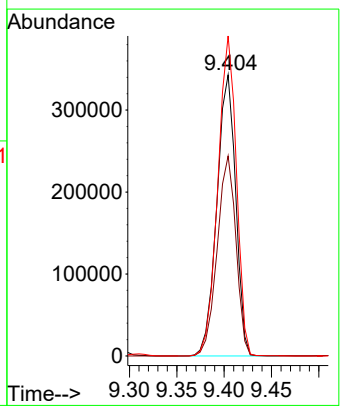


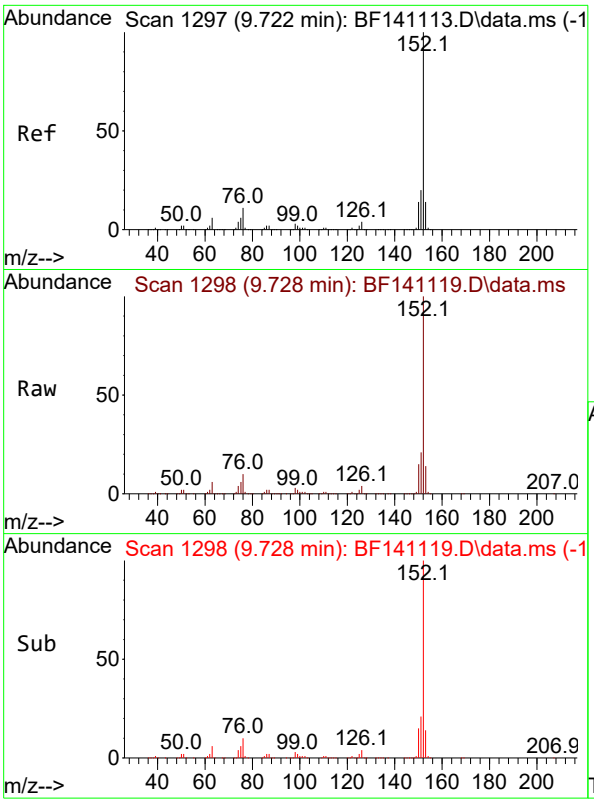




#48
2-Nitroaniline
Concen: 77.400 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 65 Resp: 475269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.1 | 58.3 | 87.5 |
| 138 | 113.8 | 89.1 | 133.7 |



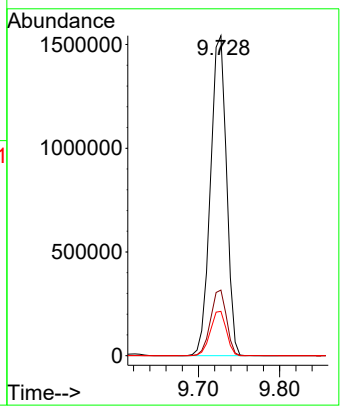


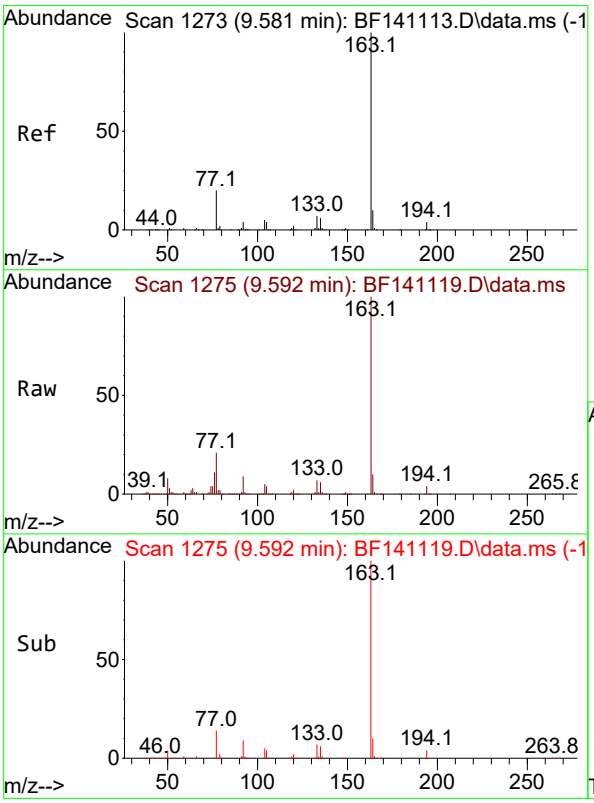

#49
Acenaphthylene
Concen: 71.297 ng
RT: 9.728 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:152 Resp: 2110029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.1 | 24.1 |
| 153 | 13.8 | 11.1 | 16.7 |

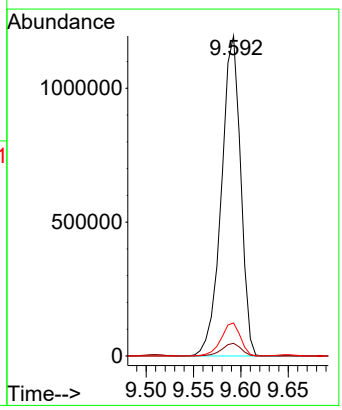


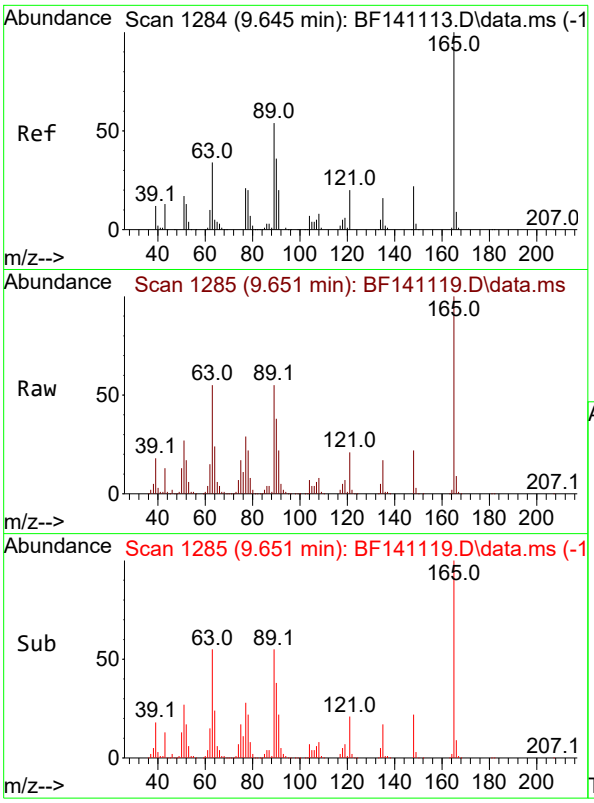




#50
Dimethylphthalate
Concen: 73.435 ng
RT: 9.592 min Scan# 1275
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:163 Resp: 1688321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.0 | 4.6 |
| 164 | 10.3 | 8.2 | 12.4 |



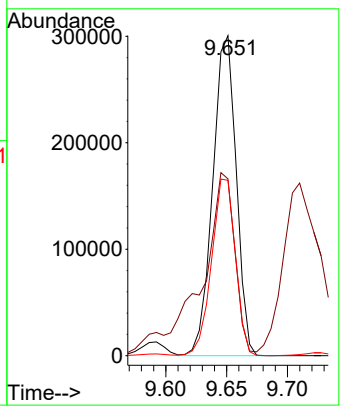


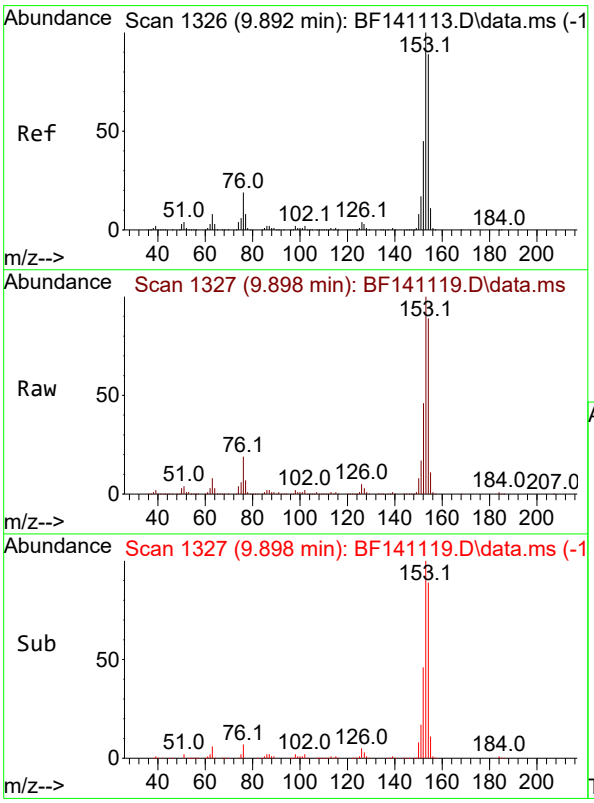

#51
2,6-Dinitrotoluene
Concen: 75.439 ng
RT: 9.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:165 Resp: 403325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 55.2 | 42.3 | 63.5 |
| 89 | 54.8 | 43.1 | 64.7 |

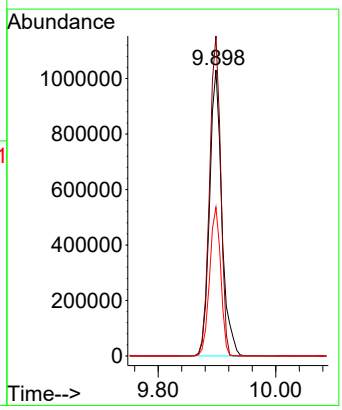


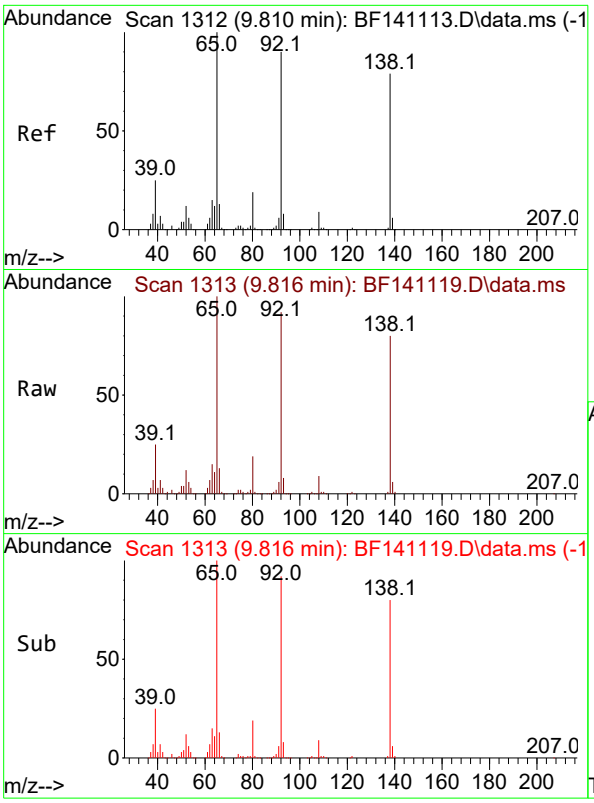




#52
Acenaphthene
Concen: 71.956 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:154 Resp: 1487806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.9 | 89.8 | 134.6 |
| 152 | 52.0 | 40.8 | 61.2 |



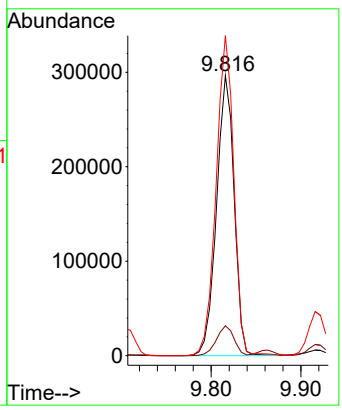


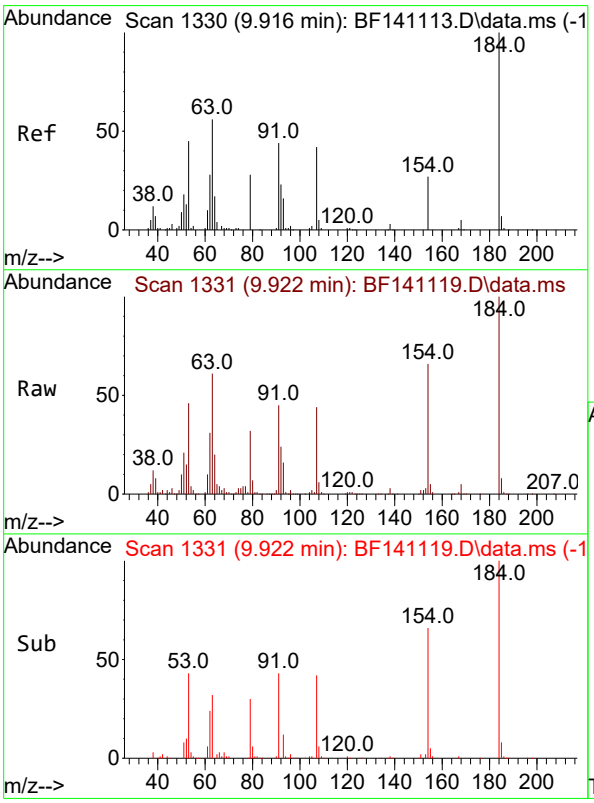

#53
3-Nitroaniline
Concen: 74.366 ng
RT: 9.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:138 Resp: 404031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.7 | 8.8 | 13.2 |
| 92 | 114.2 | 91.3 | 136.9 |

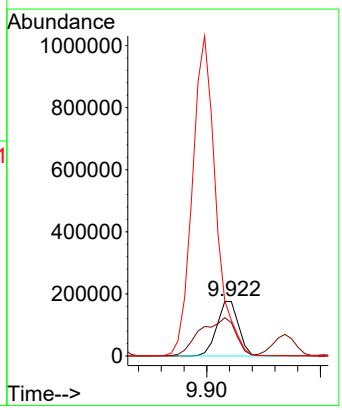


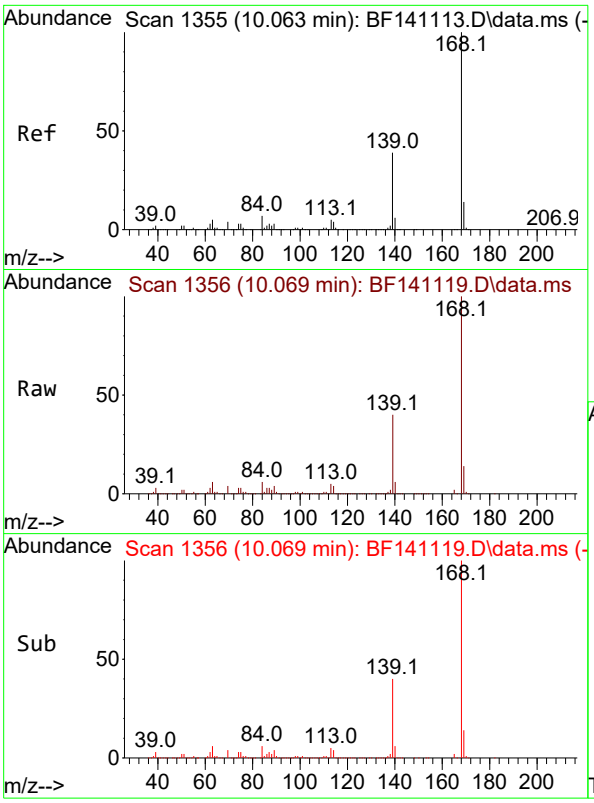




#54
2,4-Dinitrophenol
Concen: 91.933 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:184 Resp: 233623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 61.4 | 48.7 | 73.1 |
| 154 | 65.8 | 57.1 | 85.7 |



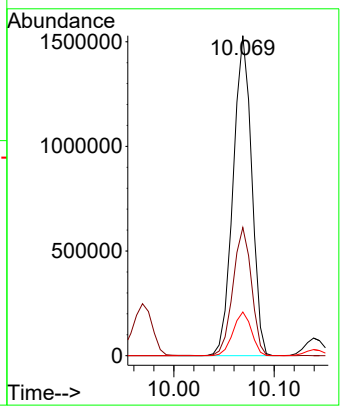


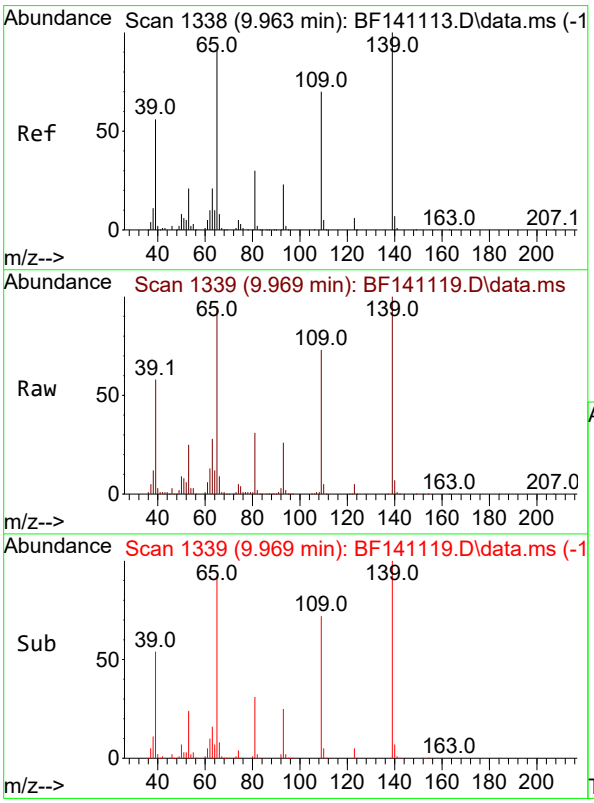

#55
Dibenzofuran
Concen: 70.137 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:168 Resp: 1972541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.1 | 31.4 | 47.0 |
| 169 | 13.6 | 10.9 | 16.3 |

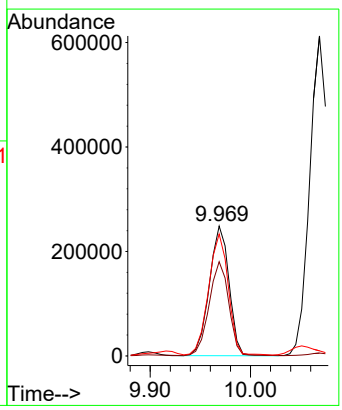


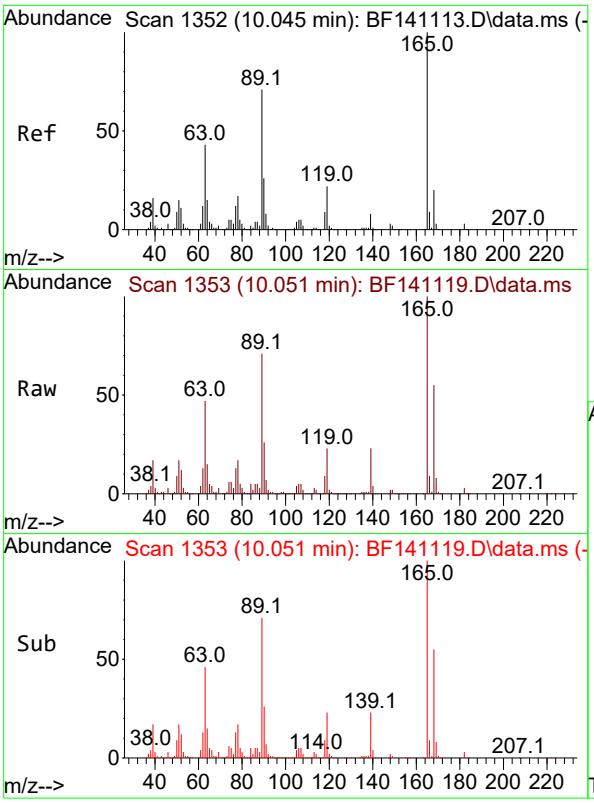




#56
4-Nitrophenol
Concen: 79.690 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:139 Resp: 339082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 72.6 | 50.2 | 90.2 |
| 65 | 93.8 | 72.1 | 112.1 |



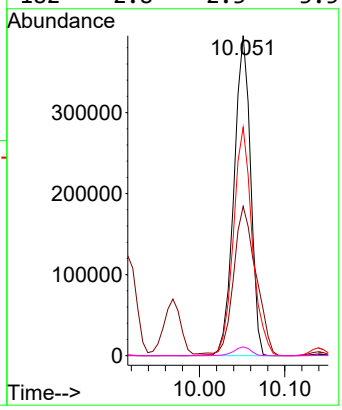


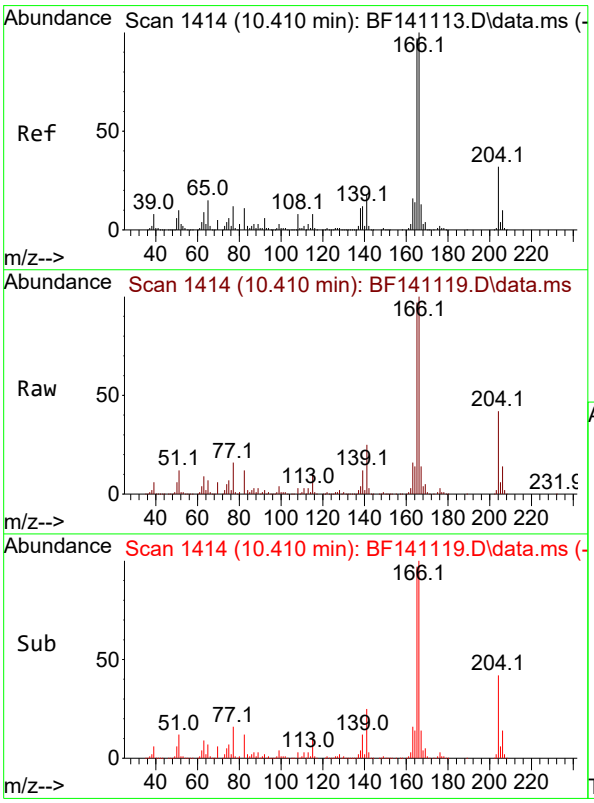

#57
2,4-Dinitrotoluene
Concen: 77.452 ng
RT: 10.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:165 Resp: 533647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 46.6 | 35.0 | 52.4 |
| 89 | 71.3 | 56.7 | 85.1 |
| 182 | 2.8 | 2.3 | 3.5 |

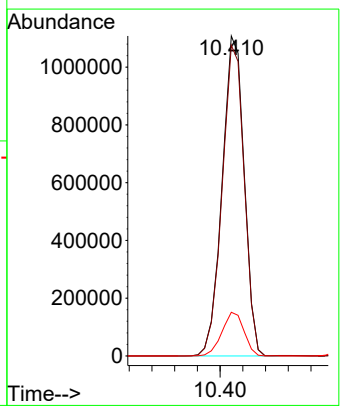


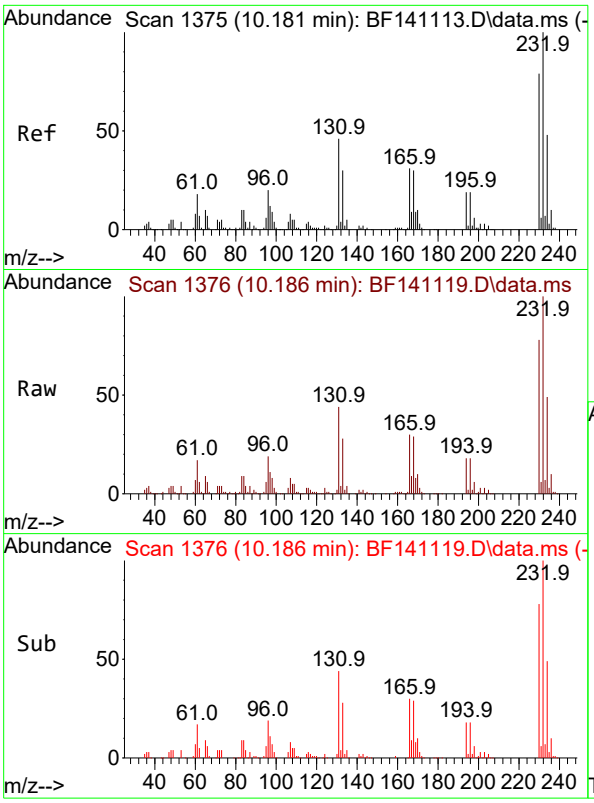




#58
Fluorene
Concen: 68.372 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:166 Resp: 1493903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.1 | 77.8 | 116.8 |
| 167 | 13.6 | 10.8 | 16.2 |



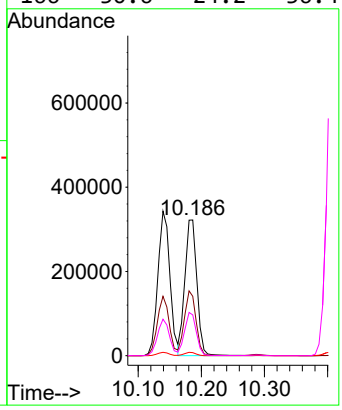


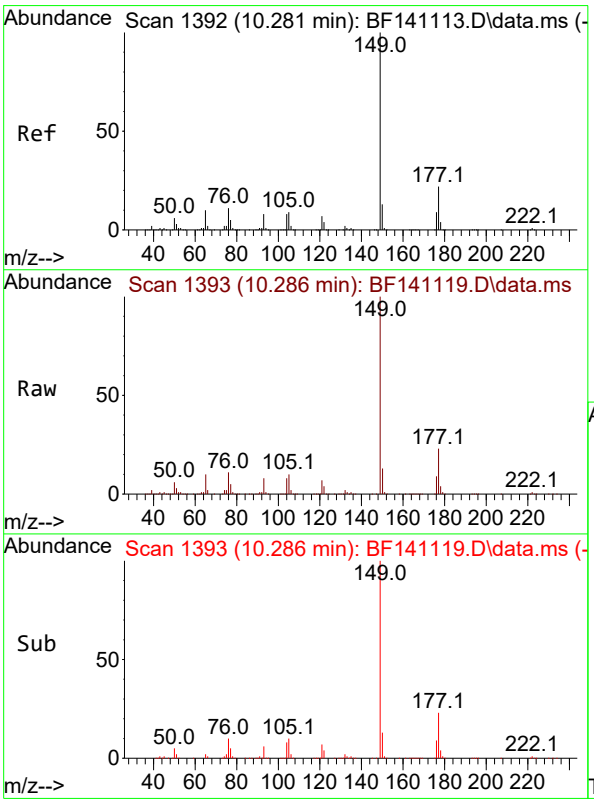

#59
2,3,4,6-Tetrachlorophenol
Concen: 73.631 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:232 Resp: 428499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.8 | 36.2 | 54.4 |
| 130 | 2.4 | 2.0 | 3.0 |
| 166 | 30.6 | 24.2 | 36.4 |

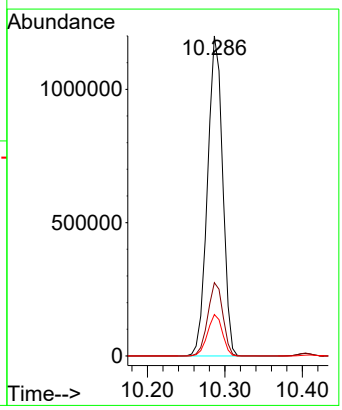


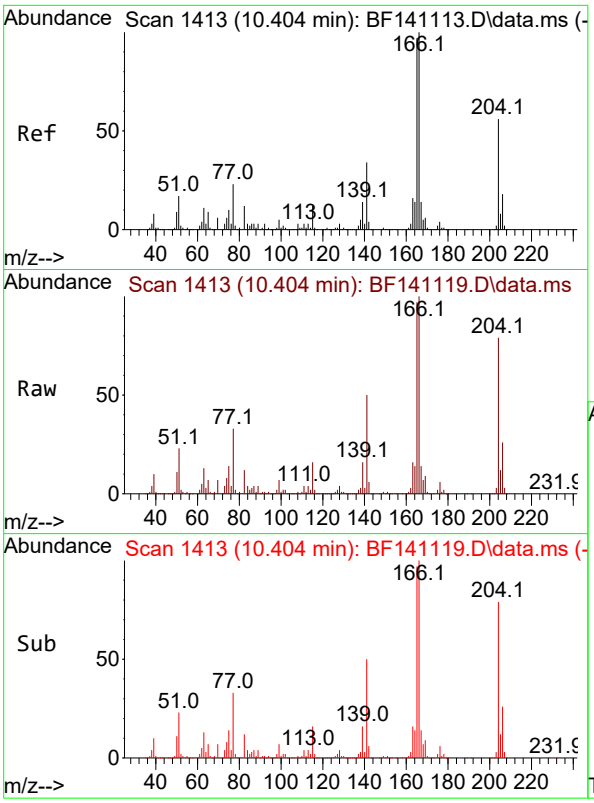




#60
Diethylphthalate
Concen: 72.366 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:149 Resp: 1624226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.9 | 17.9 | 26.9 |
| 150 | 12.9 | 10.2 | 15.2 |



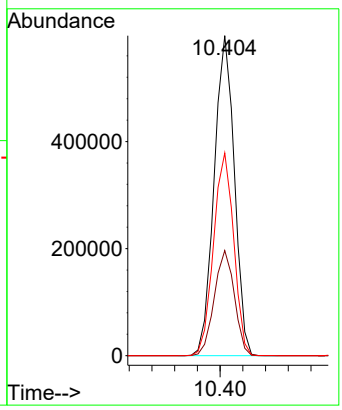


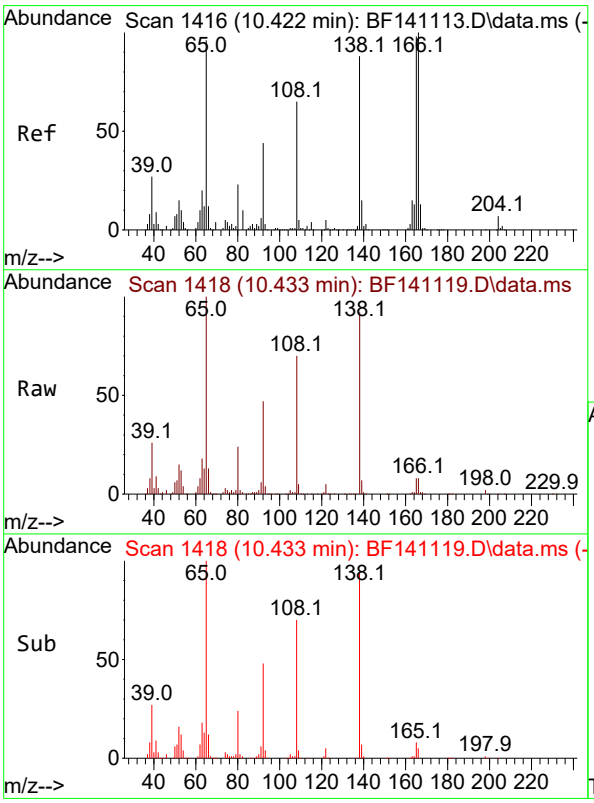

#61
4-Chlorophenyl-phenylether
Concen: 69.400 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:204 Resp: 739051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.8 | 25.9 | 38.9 |
| 141 | 63.4 | 49.1 | 73.7 |

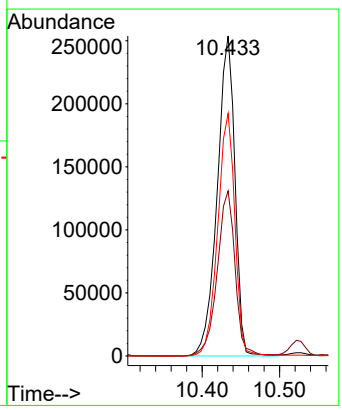


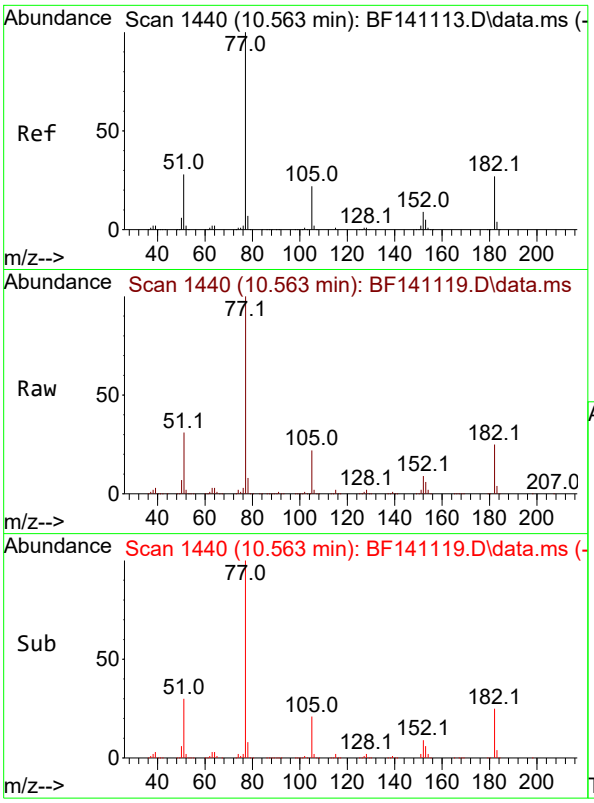




#62
4-Nitroaniline
Concen: 75.992 ng
RT: 10.433 min Scan# 1418
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:138 Resp: 404093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.6 | 29.4 | 69.4 |
| 108 | 75.8 | 53.7 | 93.7 |



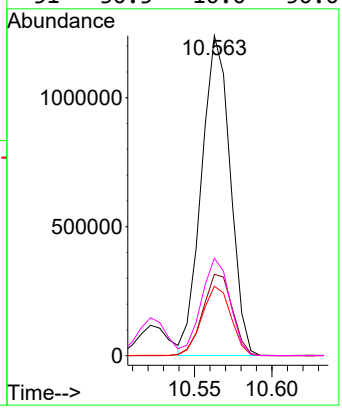


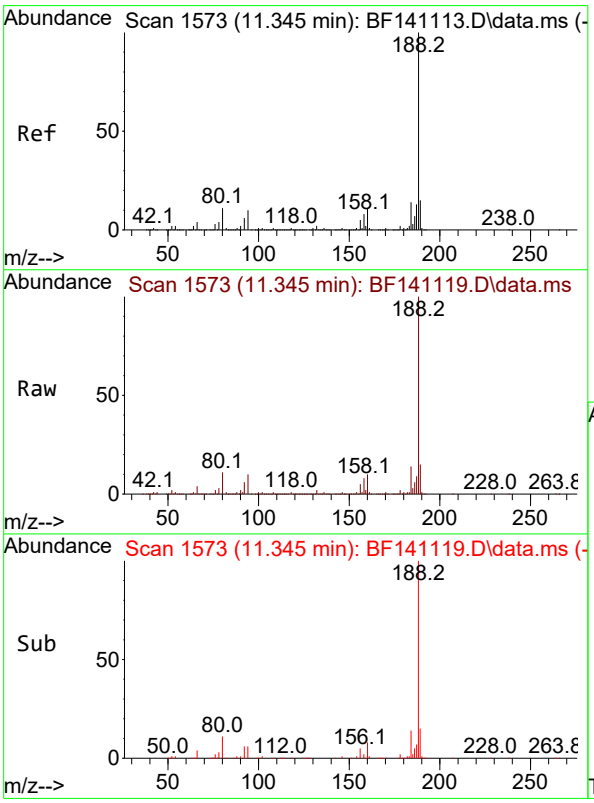

#63
Azobenzene
Concen: 72.150 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 77 Resp: 1597886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.4 | 6.1 | 46.1 |
| 105 | 21.7 | 2.1 | 42.1 |
| 51 | 30.5 | 10.0 | 50.0 |

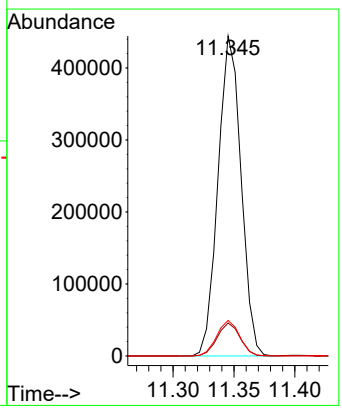


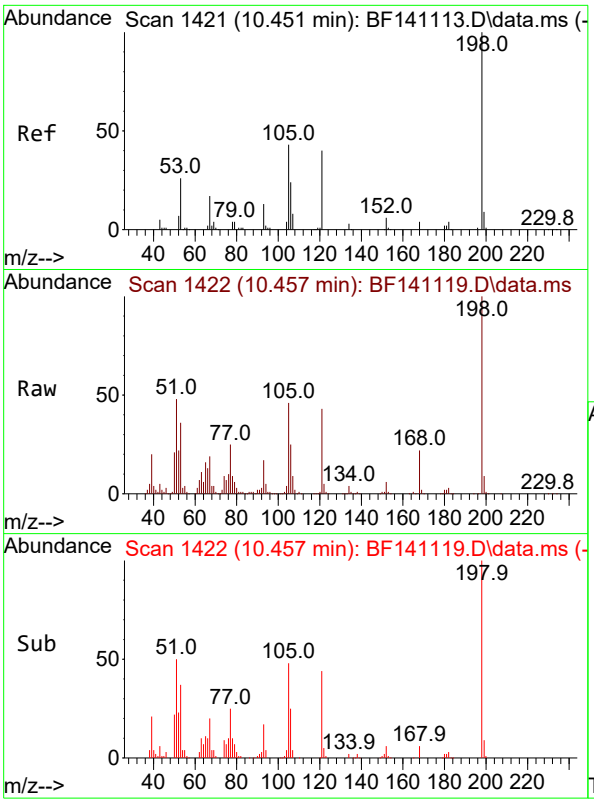




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:188 Resp: 584387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.3 | 8.3 | 12.5 |
| 80 | 11.1 | 9.0 | 13.4 |



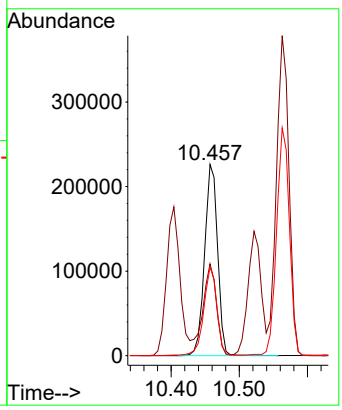


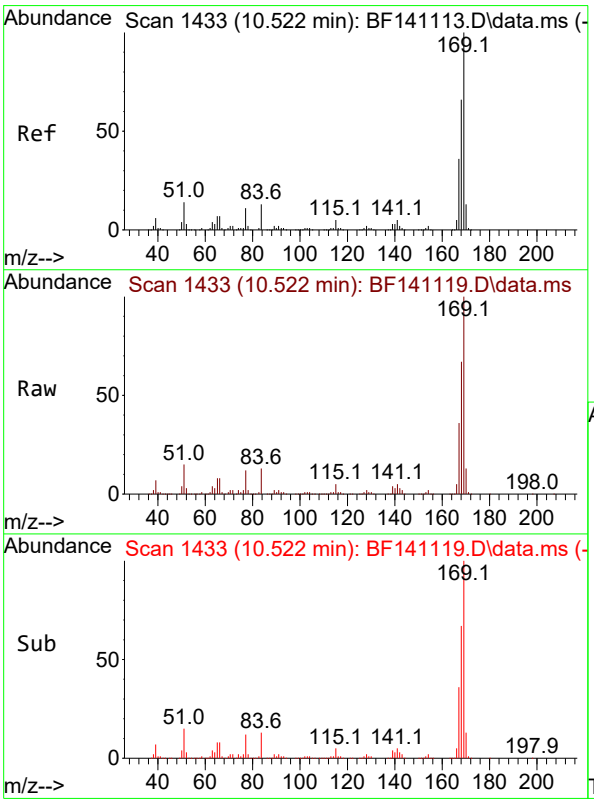

#65
4,6-Dinitro-2-methylphenol
Concen: 88.510 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:198 Resp: 299726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 48.0 | 27.1 | 67.1 |
| 105 | 46.4 | 24.2 | 64.2 |

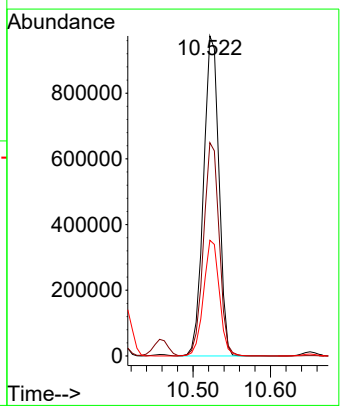


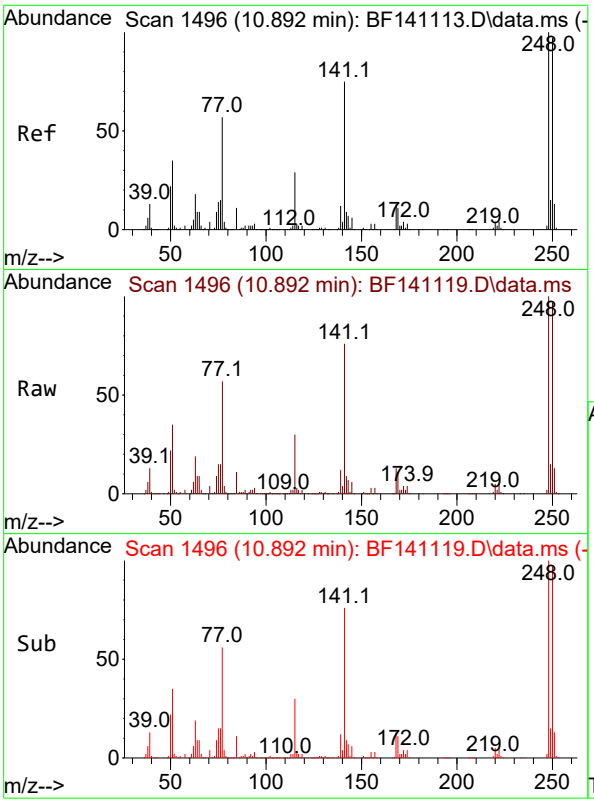




#66
n-Nitrosodiphenylamine
Concen: 71.129 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:169 Resp: 1340718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.6 | 52.5 | 78.7 |
| 167 | 36.1 | 28.9 | 43.3 |



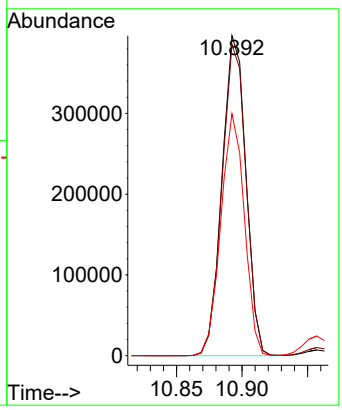


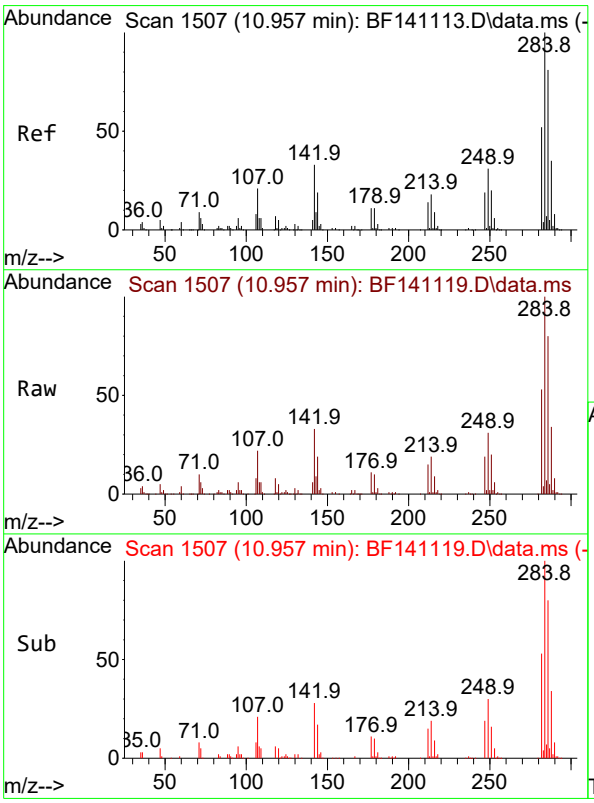

#67
4-Bromophenyl-phenylether
Concen: 74.715 ng
RT: 10.892 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:248 Resp: 502690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.2 | 77.9 | 116.9 |
| 141 | 75.6 | 59.9 | 89.9 |

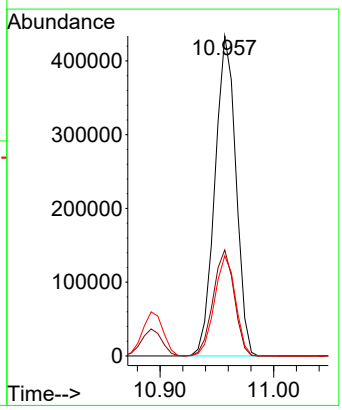


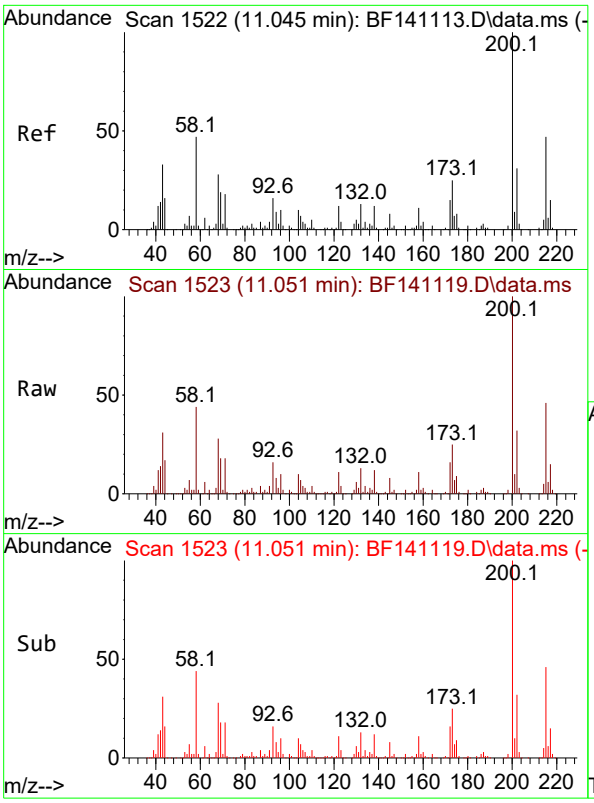




#68
Hexachlorobenzene
Concen: 74.464 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:284 Resp: 557705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.2 | 26.3 | 39.5 |
| 249 | 31.3 | 24.9 | 37.3 |



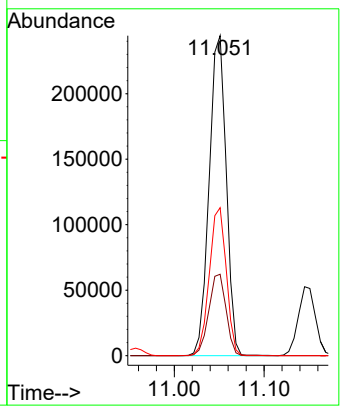


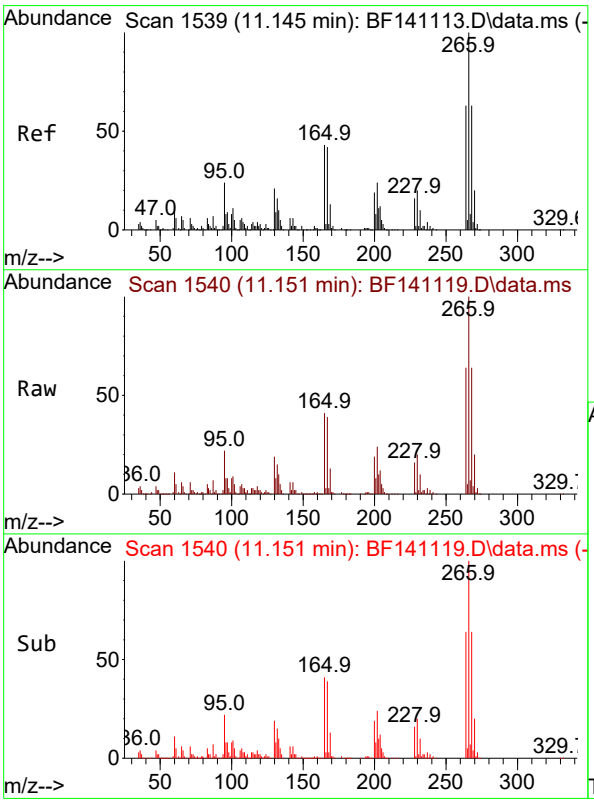

#69
Atrazine
Concen: 63.598 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:200 Resp: 322778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.4 | 5.4 | 45.4 |
| 215 | 46.3 | 26.6 | 66.6 |

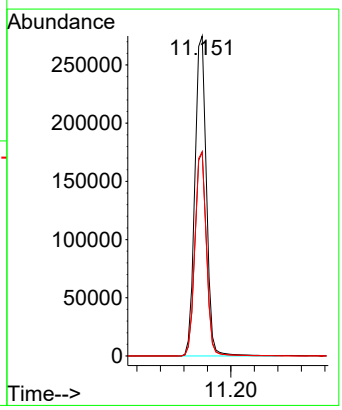


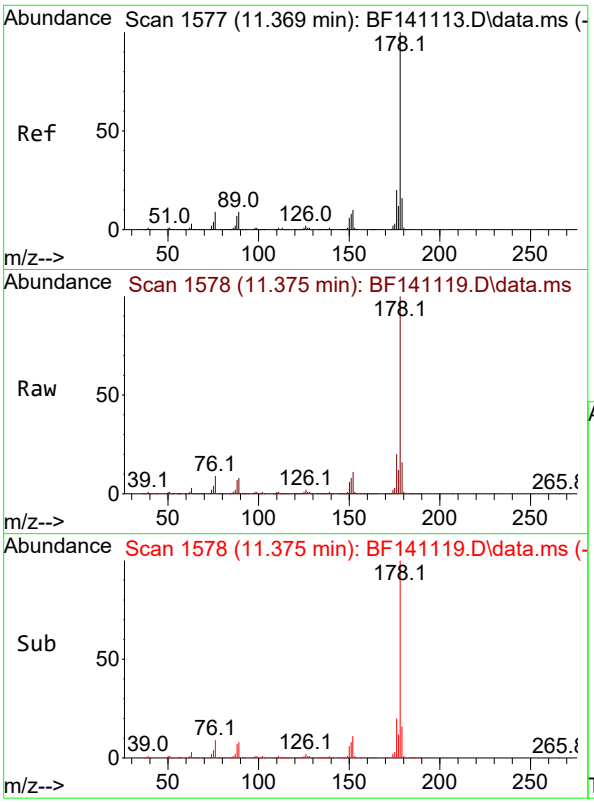




#70
Pentachlorophenol
Concen: 77.927 ng
RT: 11.151 min Scan# 1540
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:266 Resp: 373762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.7 | 50.4 | 75.6 |
| 264 | 63.8 | 50.2 | 75.2 |



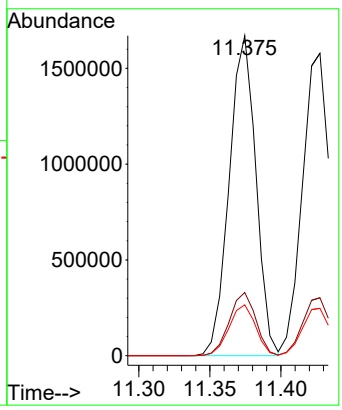


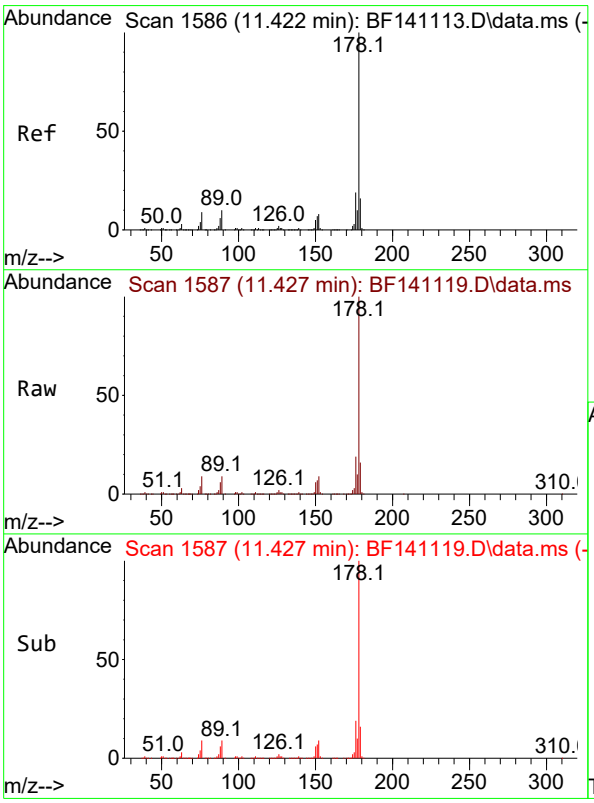

#71
Phenanthrene
Concen: 69.691 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:178 Resp: 2186474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 15.7 | 23.5 |
| 179 | 15.9 | 12.6 | 19.0 |

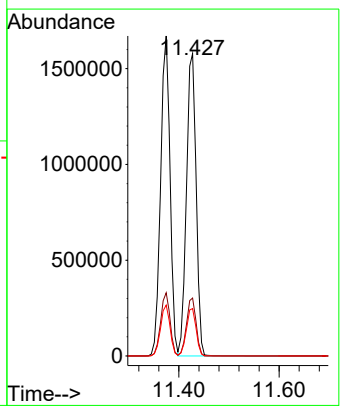


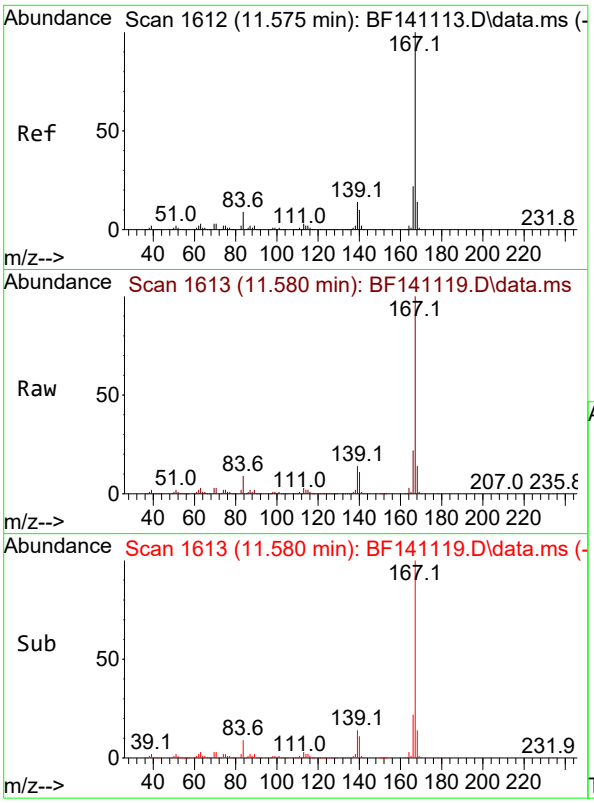




#72
Anthracene
Concen: 69.565 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:178 Resp: 2122167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 14.9 | 22.3 |
| 179 | 15.7 | 12.6 | 19.0 |



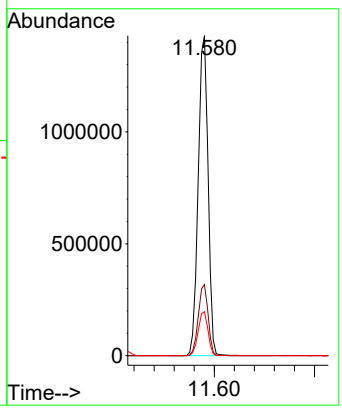


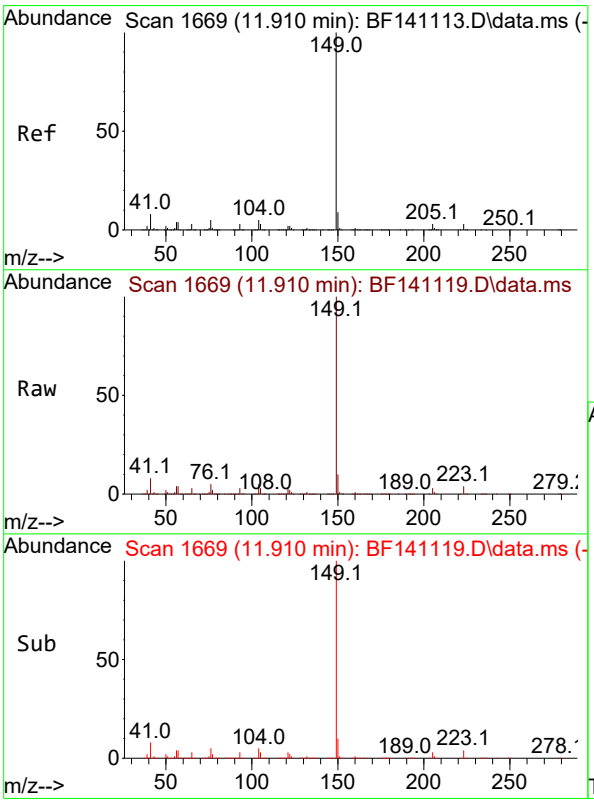

#73
Carbazole
Concen: 69.597 ng
RT: 11.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:167 Resp: 1946776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.2 | 17.4 | 26.2 |
| 139 | 13.8 | 10.9 | 16.3 |

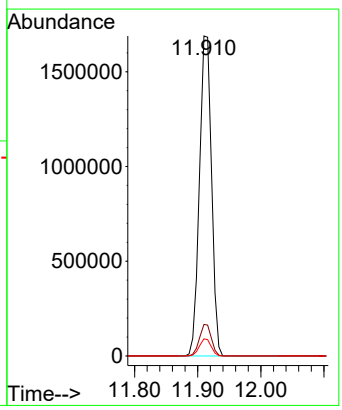


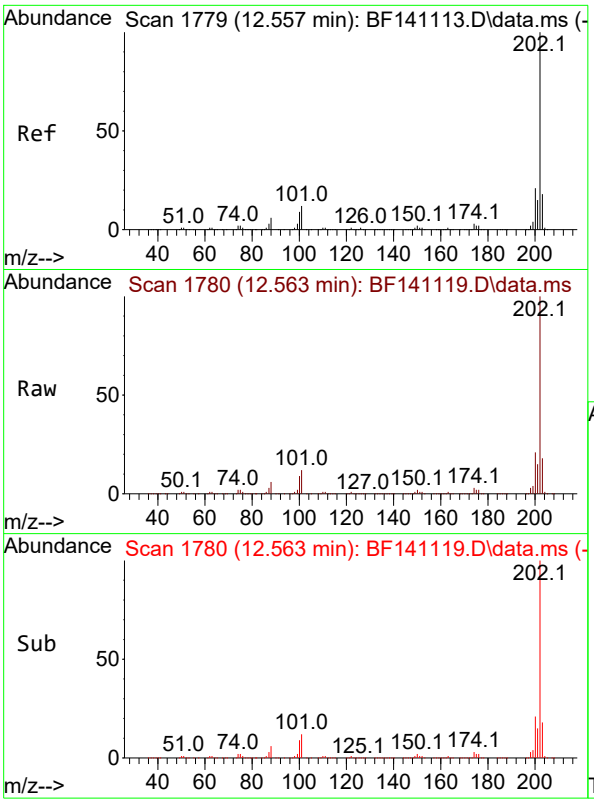




#74
Di-n-butylphthalate
Concen: 69.986 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:149 Resp: 2240405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.8 | 7.4 | 11.2 |
| 104 | 5.4 | 4.2 | 6.2 |



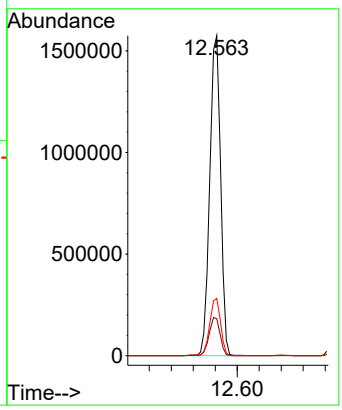


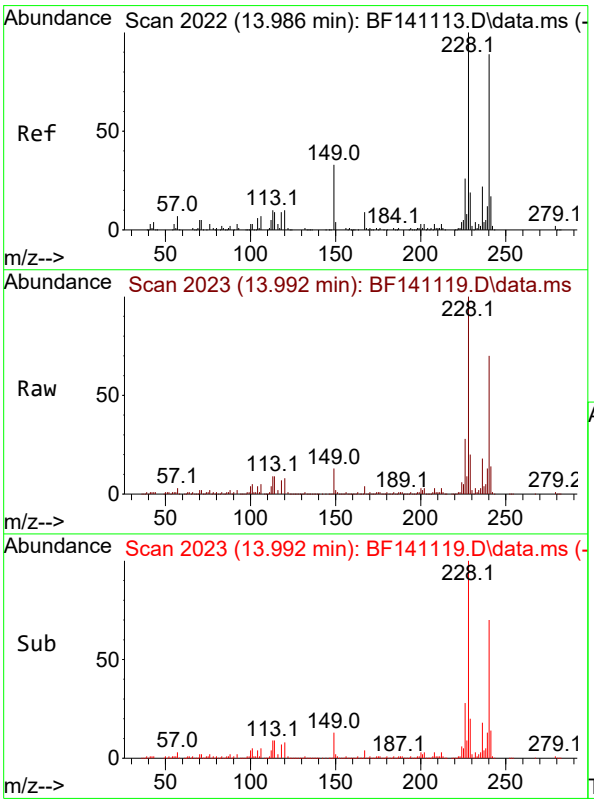

#75
Fluoranthene
Concen: 68.895 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:202 Resp: 2156966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.6 | 0.0 | 32.3 |
| 203 | 17.9 | 0.0 | 37.7 |

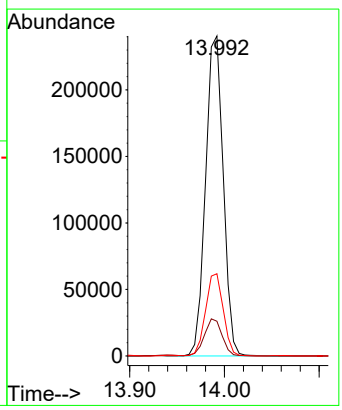


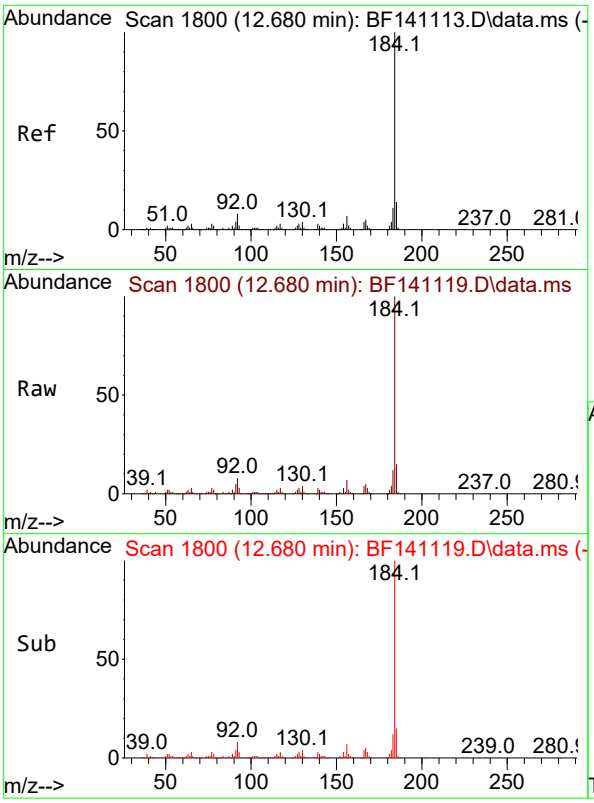




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:240 Resp: 310879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.8 | 9.1 | 13.7 |
| 236 | 25.7 | 19.8 | 29.6 |



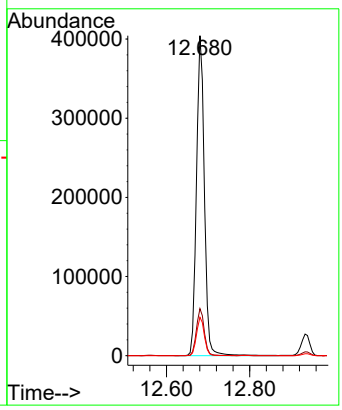


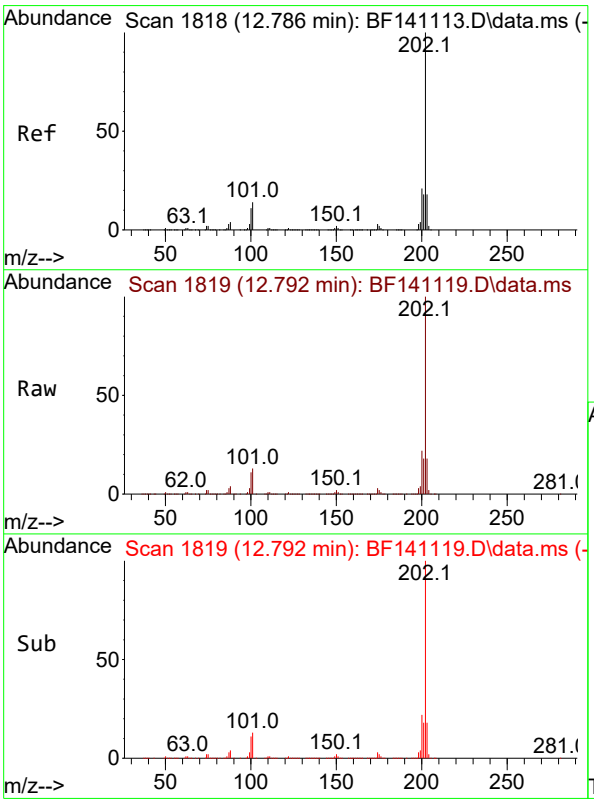

#77
Benzidine
Concen: 92.821 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:184 Resp: 535121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 11.4 | 17.0 |
| 183 | 12.0 | 9.2 | 13.8 |

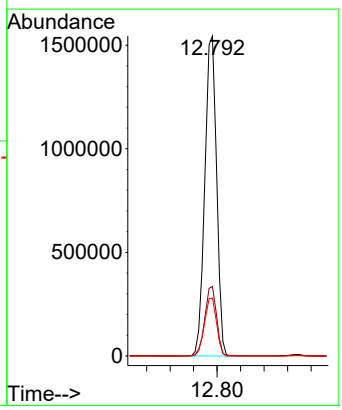


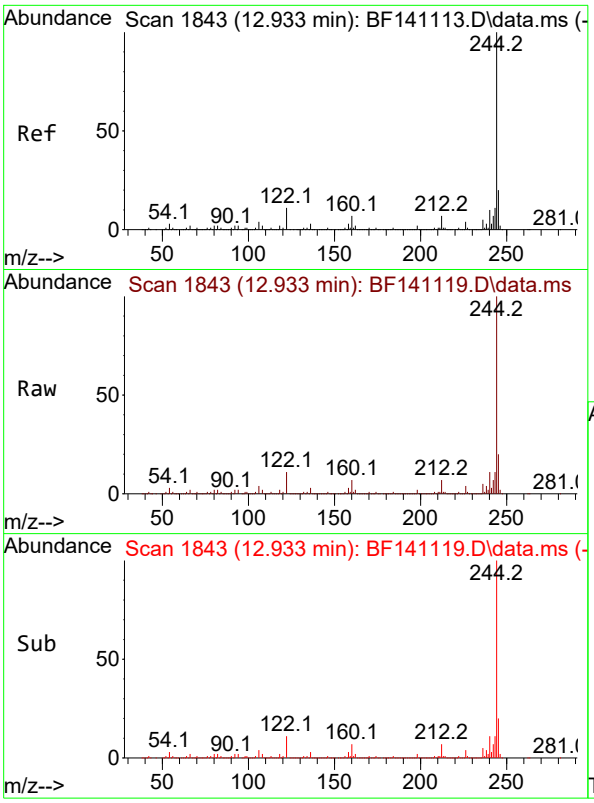




#78
Pyrene
Concen: 72.034 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:202 Resp: 2138910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.7 | 16.8 | 25.2 |
| 203 | 18.1 | 14.3 | 21.5 |



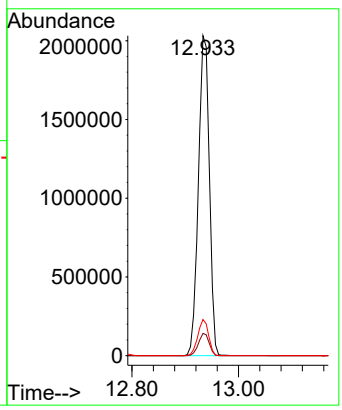


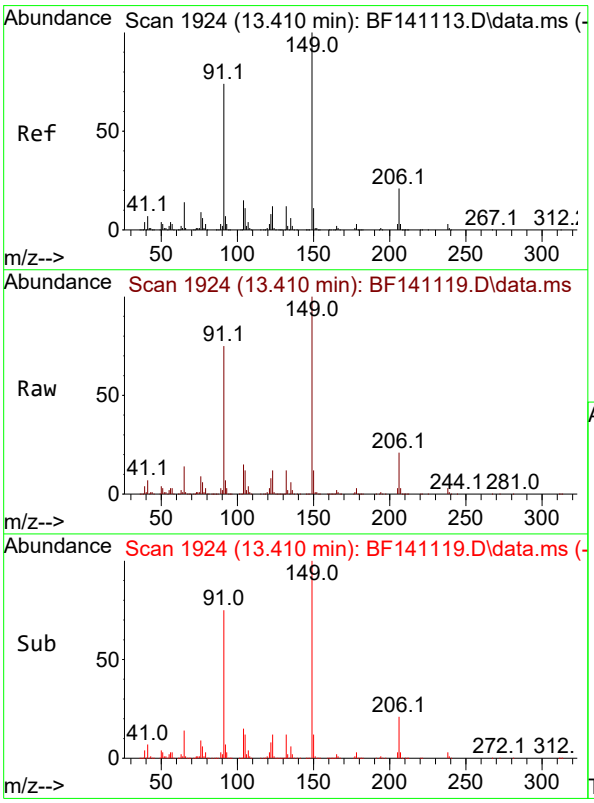

#79
Terphenyl-d14
Concen: 138.433 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:244 Resp: 2895506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.4 | 8.2 |
| 122 | 11.3 | 8.8 | 13.2 |

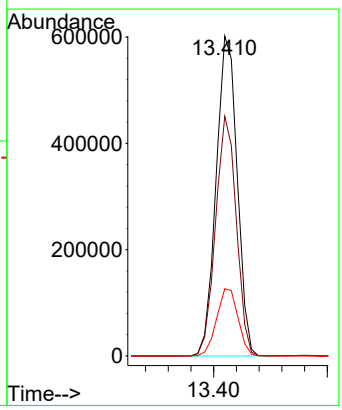


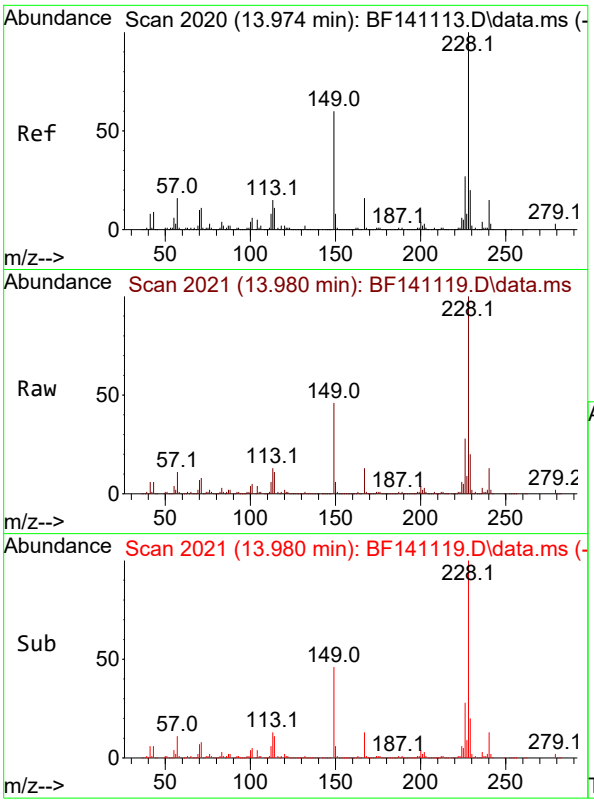




#80
Butylbenzylphthalate
Concen: 78.297 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:149 Resp: 775127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 74.9 | 59.0 | 88.6 |
| 206 | 21.0 | 16.5 | 24.7 |



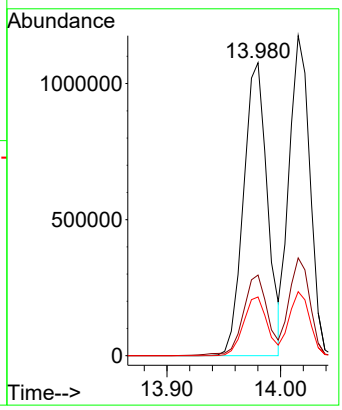


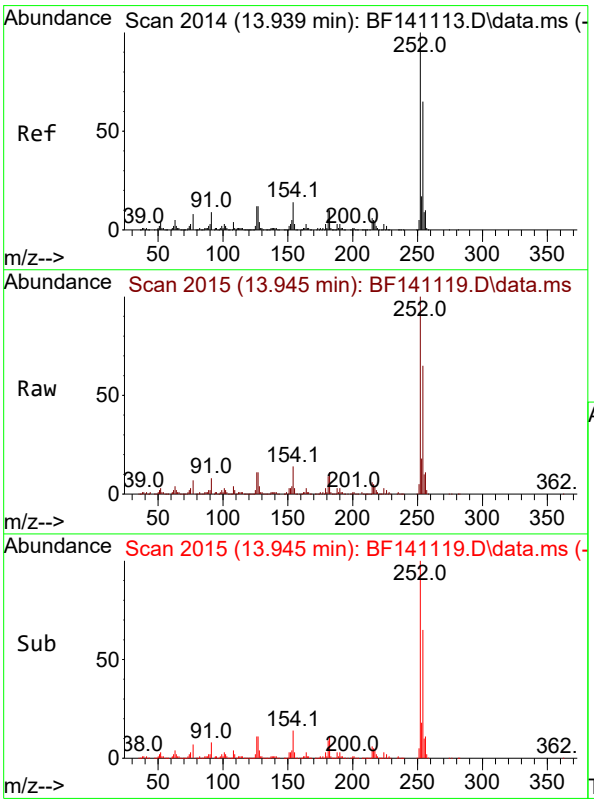

#81
Benzo(a)anthracene
Concen: 74.414 ng
RT: 13.980 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:228 Resp: 1574387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.5 | 21.7 | 32.5 |
| 229 | 20.0 | 15.7 | 23.5 |

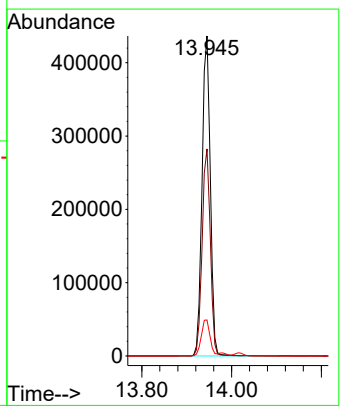


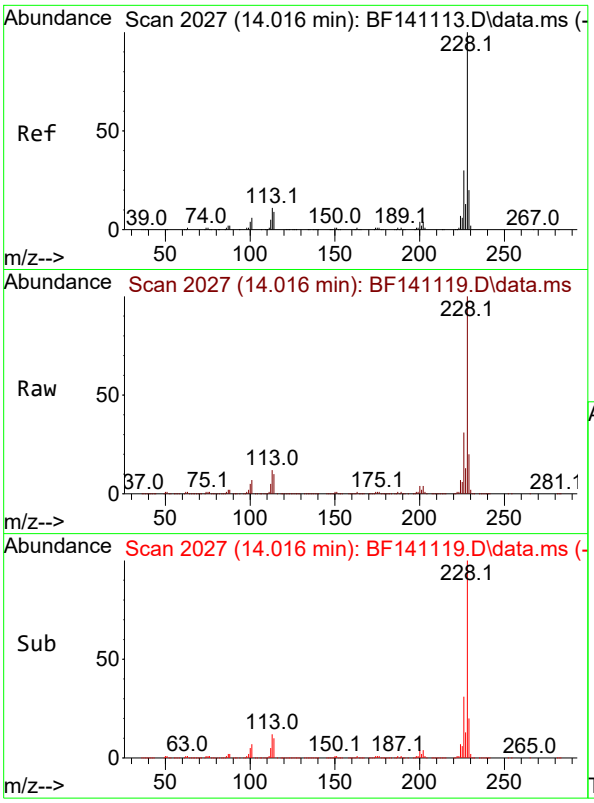




#82
3,3'-Dichlorobenzidine
Concen: 82.781 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:252 Resp: 557682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.7 | 52.0 | 78.0 |
| 126 | 11.3 | 9.4 | 14.0 |



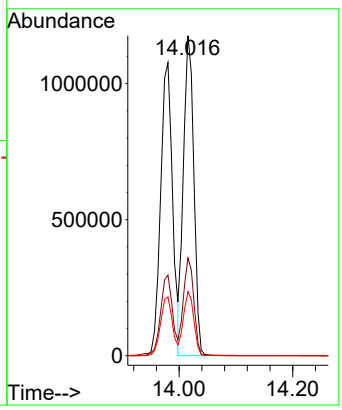


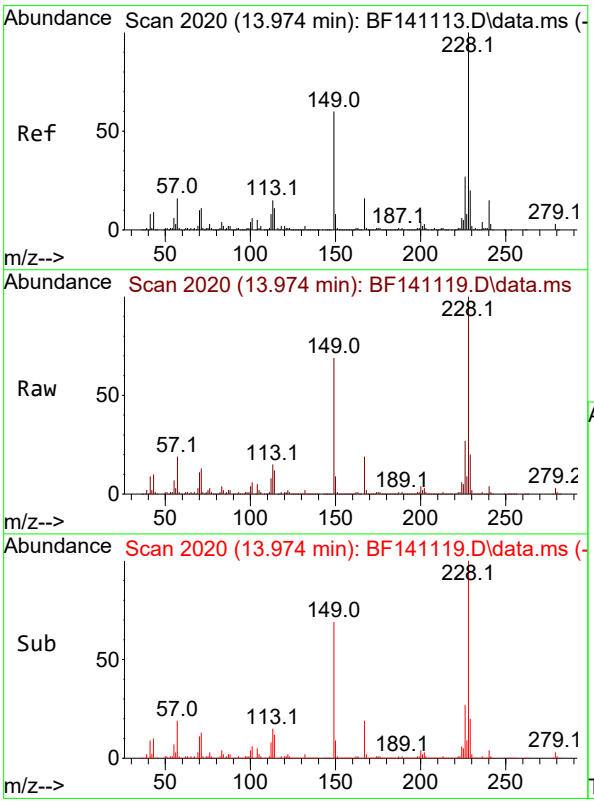

#83
Chrysene
Concen: 75.370 ng
RT: 14.016 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:228 Resp: 1492065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.6 | 23.8 | 35.8 |
| 229 | 20.0 | 15.8 | 23.8 |

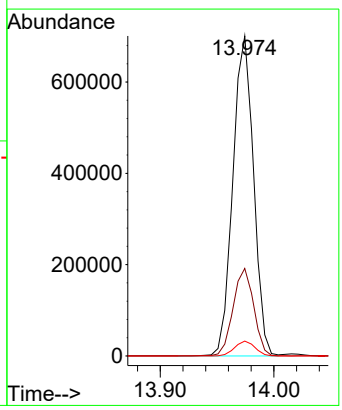


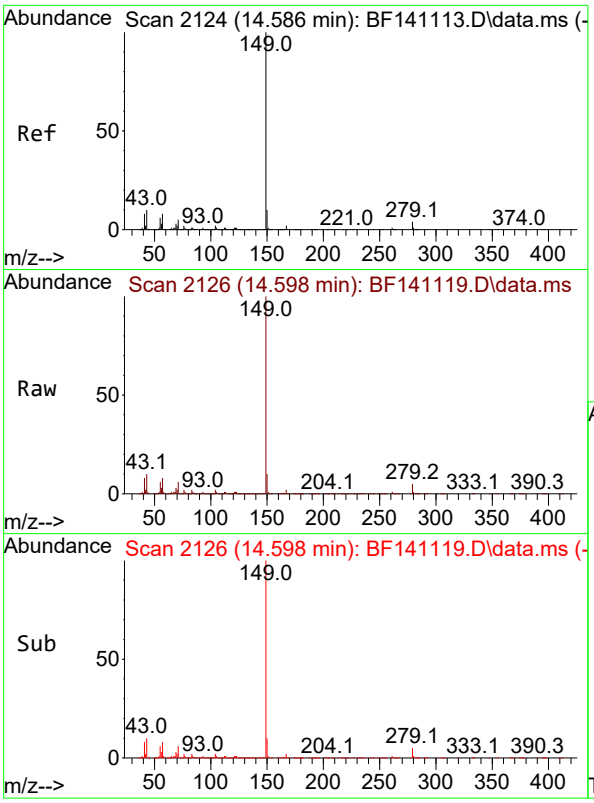




#84
Bis(2-ethylhexyl)phthalate
Concen: 74.589 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:149 Resp: 885991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.3 | 21.4 | 32.2 |
| 279 | 4.7 | 3.4 | 5.2 |



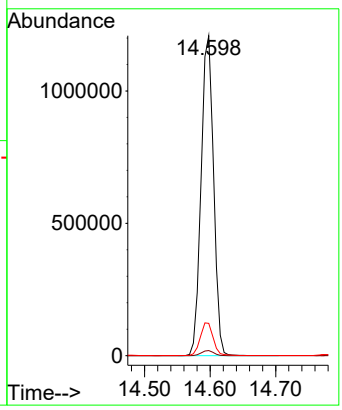


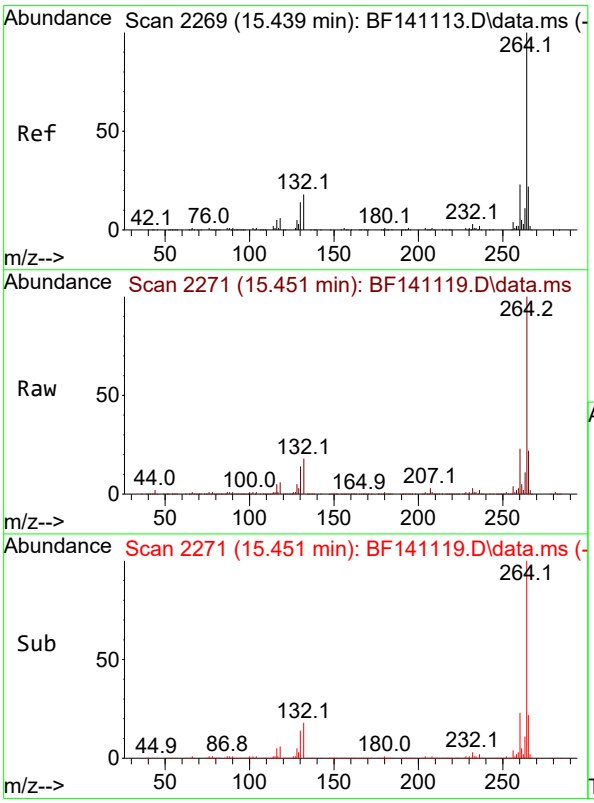

#85
Di-n-octyl phthalate
Concen: 89.471 ng
RT: 14.598 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 1604851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 10.6 | 8.4 | 12.6 |

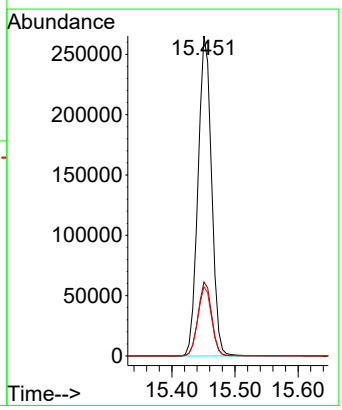


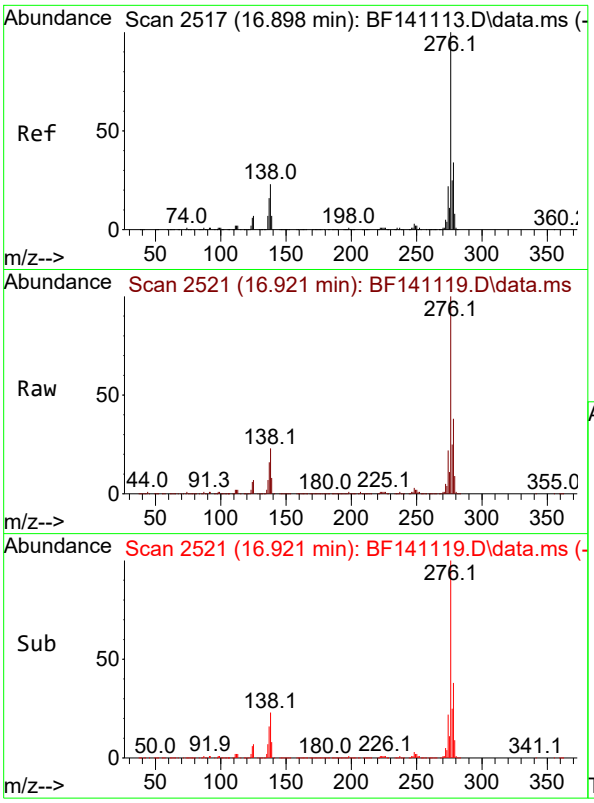




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:264 Resp: 395988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 18.6 | 28.0 |
| 265 | 21.7 | 17.4 | 26.0 |



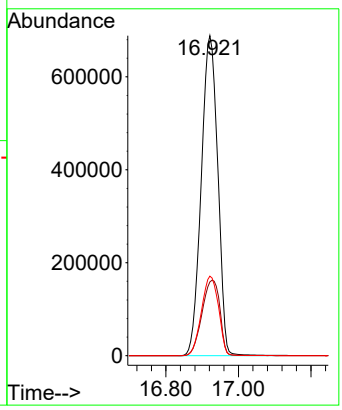


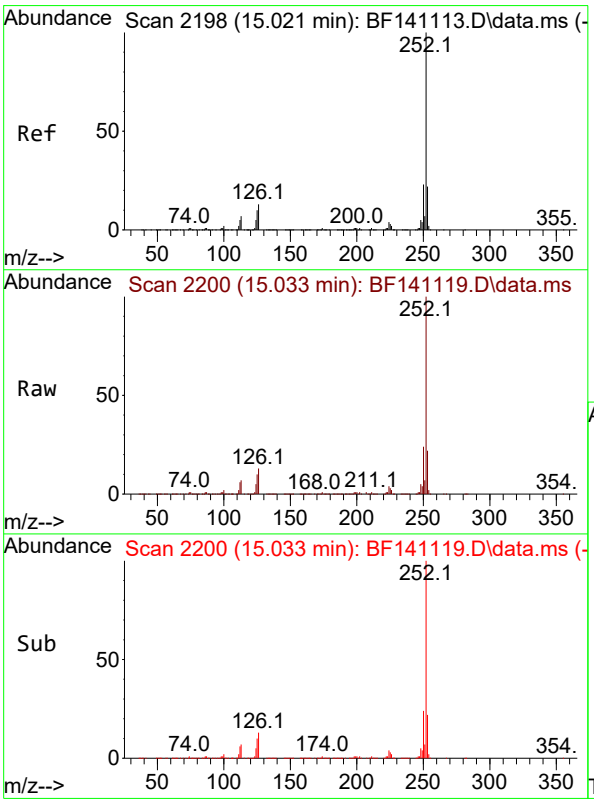

#87
Indeno(1,2,3-cd)pyrene
Concen: 75.032 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.023 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:276 Resp: 2176761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.5 | 20.7 | 31.1 |
| 277 | 25.7 | 20.6 | 30.8 |

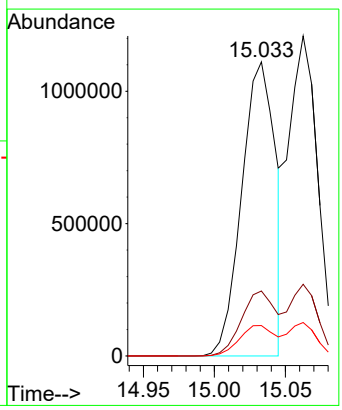


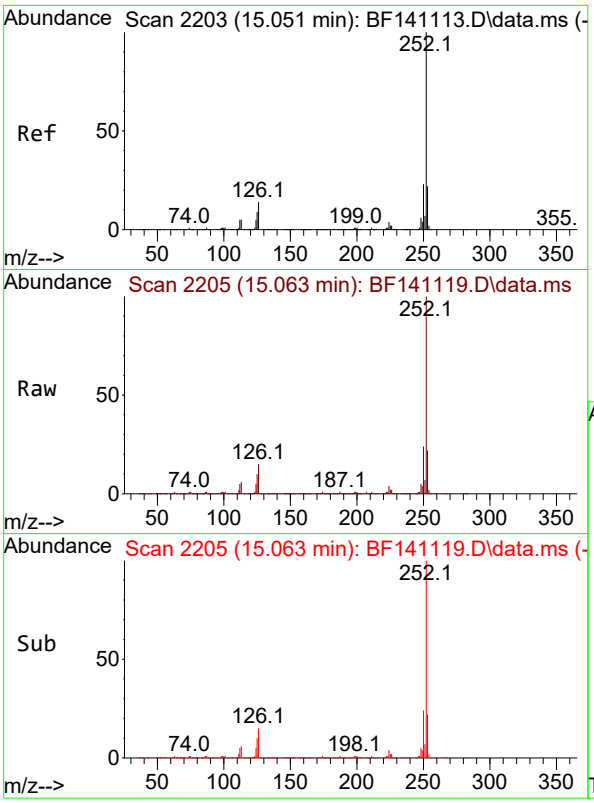




#88
Benzo(b)fluoranthene
Concen: 71.685 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:252 Resp: 1830448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.8 | 26.6 |
| 125 | 10.3 | 8.1 | 12.1 |



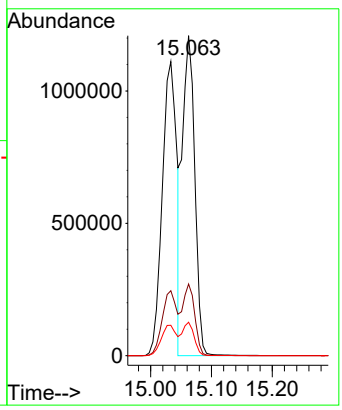


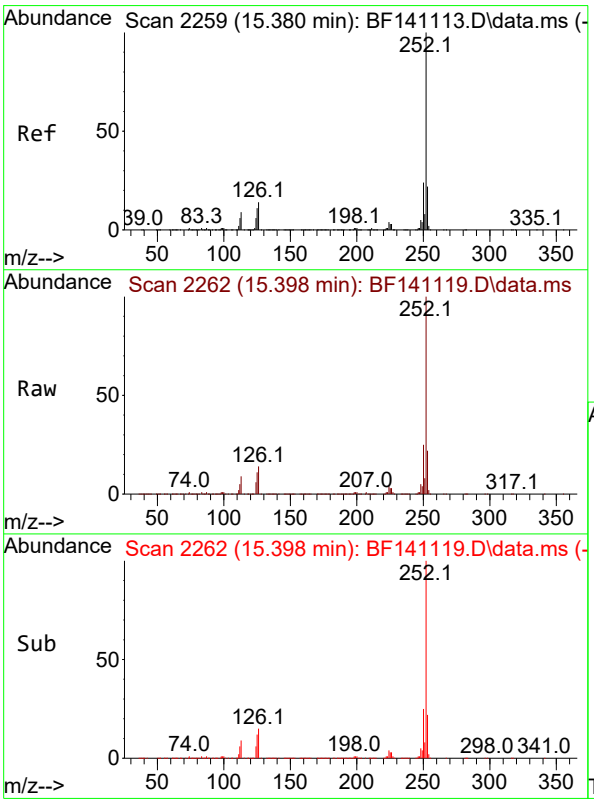

#89
Benzo(k)fluoranthene
Concen: 78.843 ng
RT: 15.063 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 1701343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.8 | 26.8 |
| 125 | 10.5 | 7.9 | 11.9 |

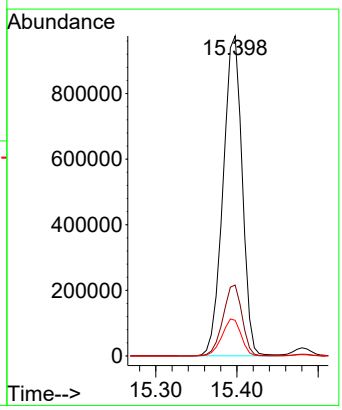


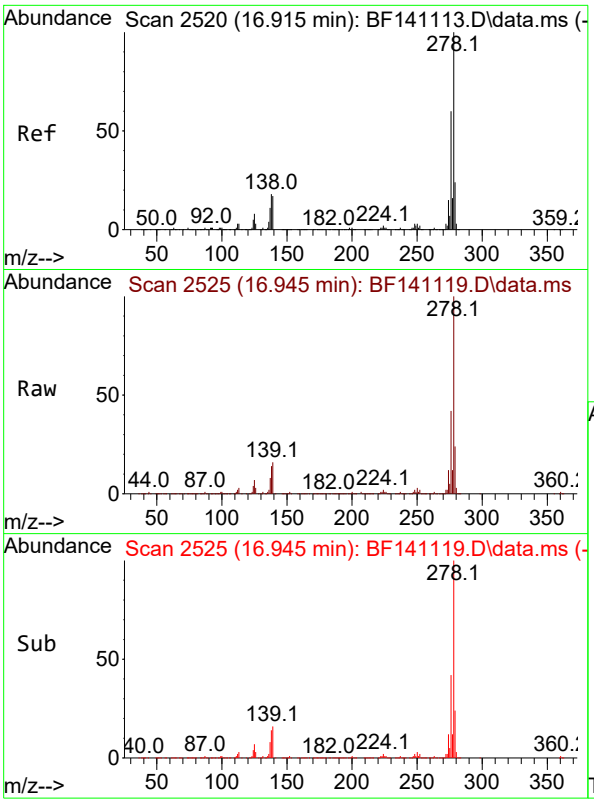




#90
Benzo(a)pyrene
Concen: 75.707 ng
RT: 15.398 min Scan# 2262
Delta R.T. 0.018 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:252 Resp: 1594959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.7 | 26.5 |
| 125 | 11.1 | 9.1 | 13.7 |



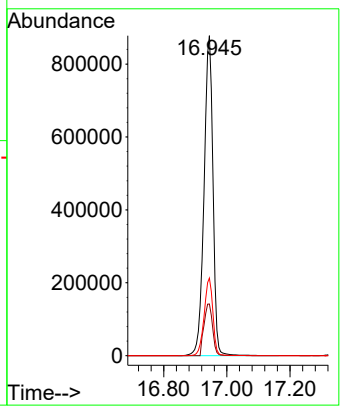


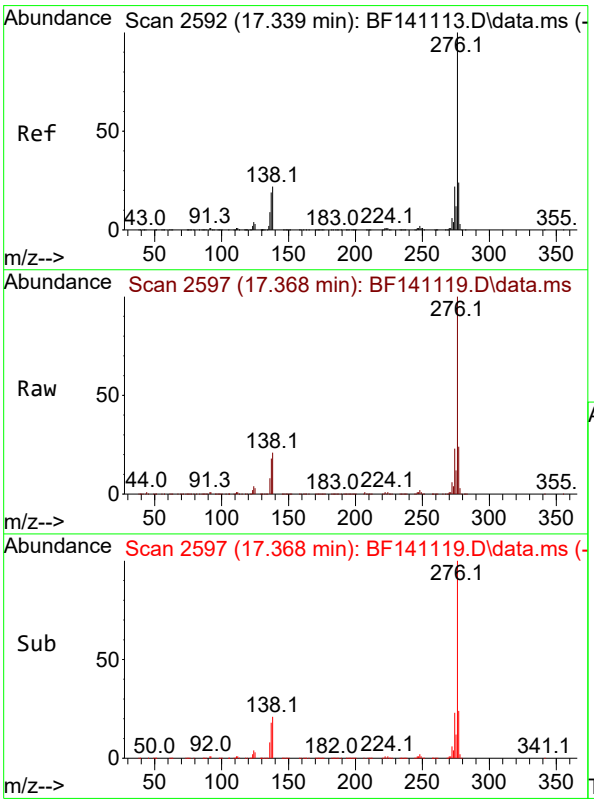

#91
Dibenzo(a,h)anthracene
Concen: 73.436 ng
RT: 16.945 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:278 Resp: 1723136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.1 | 13.8 | 20.6 |
| 279 | 24.2 | 19.1 | 28.7 |

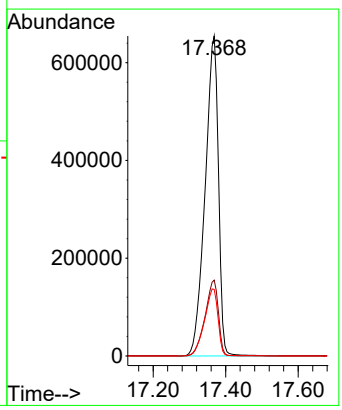



#92
Benzo(g,h,i)perylene
Concen: 68.190 ng
RT: 17.368 min Scan# 2597
Delta R.T. 0.029 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:276 Resp: 1664293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 19.0 | 28.4 |
| 138 | 20.8 | 17.4 | 26.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141165.D
Acq On : 15 Jan 2025 10:26
Operator : RC/JU
Sample : PB166035BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Quant Time: Jan 15 15:25:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 141578 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 559409 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.863 | 164 | 296383 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 515619 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.986 | 240 | 346259 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.445 | 264 | 300143 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.440 | 112 | 1172779 | 127.966 | ng | | 0.01 |
| 7) Phenol-d6 | 6.451 | 99 | 1474065 | 126.975 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.387 | 82 | 936087 | 88.702 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.651 | 330 | 495813 | 146.817 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.181 | 172 | 1718604 | 88.547 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 2066373 | 88.698 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.640 | 88 | 160491 | 39.324 | ng | | 99 |
| 3) Pyridine | 3.381 | 79 | 403464 | 40.314 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.328 | 42 | 219085 | 44.770 | ng | | 99 |
| 6) Aniline | 6.481 | 93 | 412595 | 40.030 | ng | | 95 |
| 8) 2-Chlorophenol | 6.604 | 128 | 462455 | 47.032 | ng | | 97 |
| 9) Benzaldehyde | 6.369 | 77 | 57336 | 8.386 | ng | | 98 |
| 10) Phenol | 6.463 | 94 | 559240 | 45.001 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.557 | 93 | 420510 | 45.405 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.763 | 146 | 482405 | 43.989 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.840 | 146 | 488566 | 44.210 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.993 | 146 | 468309 | 45.430 | ng | | 98 |
| 15) Benzyl Alcohol | 6.963 | 79 | 398751 | 47.562 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.093 | 45 | 565830 | 43.782 | ng | | 96 |
| 17) 2-Methylphenol | 7.075 | 107 | 367457 | 46.289 | ng | | 99 |
| 18) Hexachloroethane | 7.334 | 117 | 181232 | 45.349 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.234 | 70 | 305153 | 44.623 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.222 | 107 | 453804 | 45.312 | ng | | 92 |
| 22) Acetophenone | 7.228 | 105 | 598908 | 45.036 | ng | # | 94 |
| 24) Nitrobenzene | 7.404 | 77 | 472430 | 42.953 | ng | | 99 |
| 25) Isophorone | 7.645 | 82 | 826977 | 45.854 | ng | | 98 |
| 26) 2-Nitrophenol | 7.716 | 139 | 240239 | 48.018 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.757 | 122 | 371757 | 55.087 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.851 | 93 | 500129 | 44.187 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.957 | 162 | 374851 | 46.769 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 394294 | 43.039 | ng | | 99 |
| 31) Naphthalene | 8.128 | 128 | 1315926 | 44.606 | ng | | 100 |
| 32) Benzoic acid | 7.869 | 122 | 284542 | 43.954 | ng | | 99 |
| 33) 4-Chloroaniline | 8.169 | 127 | 225845 | 22.136 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 241357 | 43.722 | ng | | 100 |
| 35) Caprolactam | 8.540 | 113 | 74292 | 28.312 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 8.651 | 107 | 410698 | 46.854 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 857406 | 45.609 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 789241 | 42.599 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.987 | 216 | 389876 | 45.831 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 496501 | 178.397 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 276357 | 48.169 | ng | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141165.D
Acq On : 15 Jan 2025 10:26
Operator : RC/JU
Sample : PB166035BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Quant Time: Jan 15 15:25:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

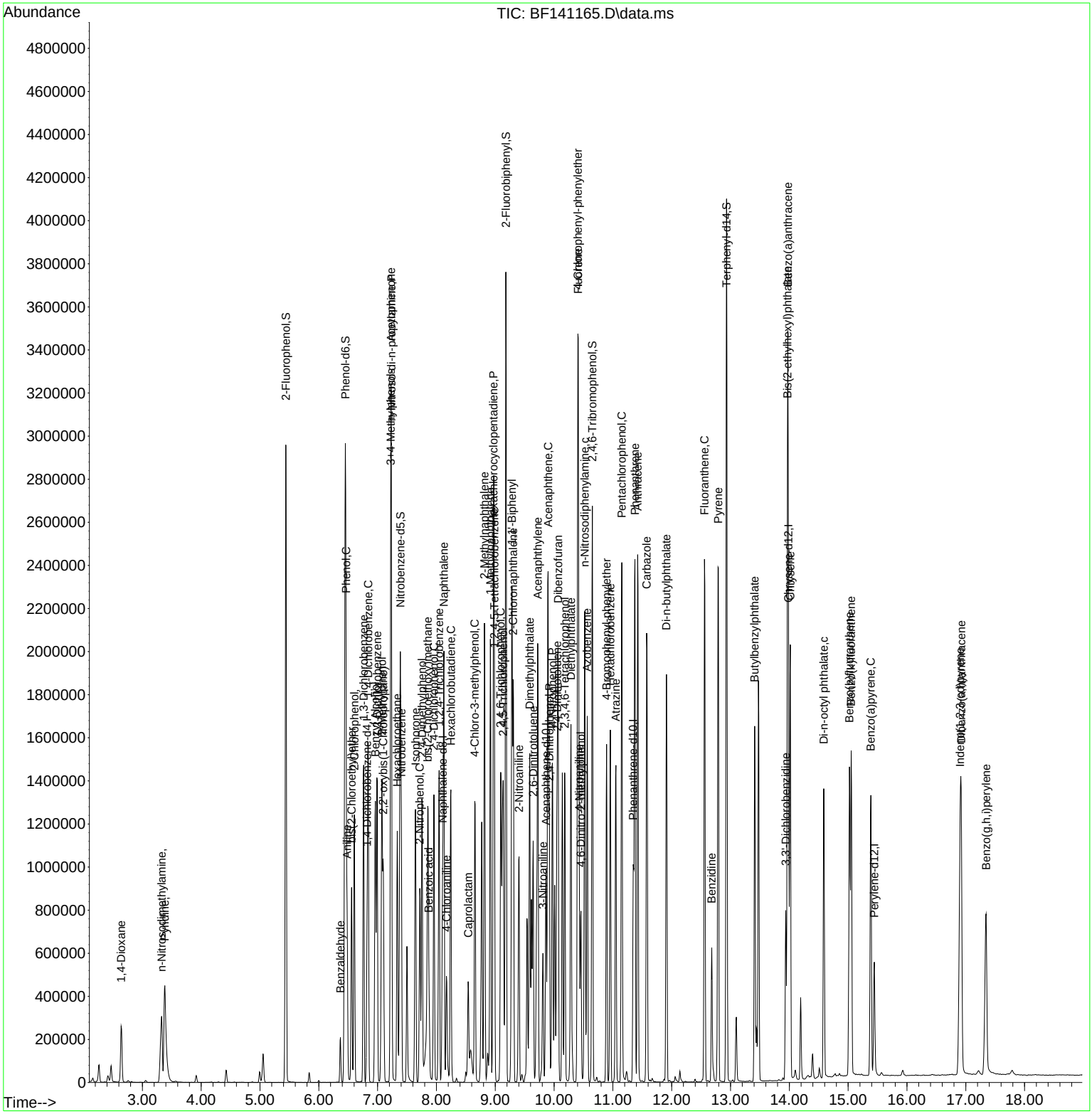
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.134 | 196 | 272593 | 44.988 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.281 | 154 | 1040938 | 45.225 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.304 | 162 | 794541 | 44.320 | ng | 100 |
| 48) 2-Nitroaniline | 9.404 | 65 | 254121 | 47.818 | ng | 98 |
| 49) Acenaphthylene | 9.722 | 152 | 1247717 | 48.714 | ng | 99 |
| 50) Dimethylphthalate | 9.586 | 163 | 919633 | 46.219 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.645 | 165 | 208657 | 45.095 | ng | 98 |
| 52) Acenaphthene | 9.898 | 154 | 923120 | 51.587 | ng | 100 |
| 53) 3-Nitroaniline | 9.810 | 138 | 132071 | 28.088 | ng | 99 |
| 54) 2,4-Dinitrophenol | 9.922 | 184 | 235763 | 107.198 | ng | 95 |
| 55) Dibenzofuran | 10.069 | 168 | 1124811 | 46.212 | ng | 99 |
| 56) 4-Nitrophenol | 9.975 | 139 | 371142 | 100.786 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 10.051 | 165 | 294883 | 49.452 | ng | 98 |
| 58) Fluorene | 10.410 | 166 | 875091 | 46.277 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.181 | 232 | 247930 | 49.226 | ng | 99 |
| 60) Diethylphthalate | 10.286 | 149 | 881421 | 45.376 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204 | 416366 | 45.177 | ng | 99 |
| 62) 4-Nitroaniline | 10.428 | 138 | 223312 | 48.524 | ng | 99 |
| 63) Azobenzene | 10.563 | 77 | 869933 | 45.387 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198 | 158478 | 53.041 | ng | 96 |
| 66) n-Nitrosodiphenylamine | 10.522 | 169 | 771997 | 46.419 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 269230 | 45.353 | ng | 98 |
| 68) Hexachlorobenzene | 10.957 | 284 | 309514 | 46.838 | ng | 99 |
| 69) Atrazine | 11.051 | 200 | 265941 | 59.388 | ng | 99 |
| 70) Pentachlorophenol | 11.151 | 266 | 404666 | 95.622 | ng | 100 |
| 71) Phenanthrene | 11.375 | 178 | 1332947 | 48.152 | ng | 99 |
| 72) Anthracene | 11.422 | 178 | 1367788 | 50.816 | ng | 100 |
| 73) Carbazole | 11.575 | 167 | 1223450 | 49.571 | ng | 100 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 1338545 | 47.390 | ng | 100 |
| 75) Fluoranthene | 12.557 | 202 | 1419075 | 51.371 | ng | 99 |
| 77) Benzidine | 12.680 | 184 | 337816 | 52.610 | ng | 99 |
| 78) Pyrene | 12.792 | 202 | 1442231 | 43.609 | ng | 99 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 523212 | 47.451 | ng | 99 |
| 81) Benzo(a)anthracene | 13.974 | 228 | 1103435 | 46.825 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.939 | 252 | 232976 | 31.049 | ng | 100 |
| 83) Chrysene | 14.016 | 228 | 960710 | 43.571 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.969 | 149 | 618547 | 46.753 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.586 | 149 | 881680 | 44.131 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.904 | 276 | 1004718 | 45.691 | ng | 98 |
| 88) Benzo(b)fluoranthene | 15.021 | 252 | 949809 | 49.075 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.051 | 252 | 768181 | 46.966 | ng | 100 |
| 90) Benzo(a)pyrene | 15.386 | 252 | 807216 | 50.551 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.921 | 278 | 806473 | 45.345 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.345 | 276 | 761728 | 41.176 | ng | 99 |

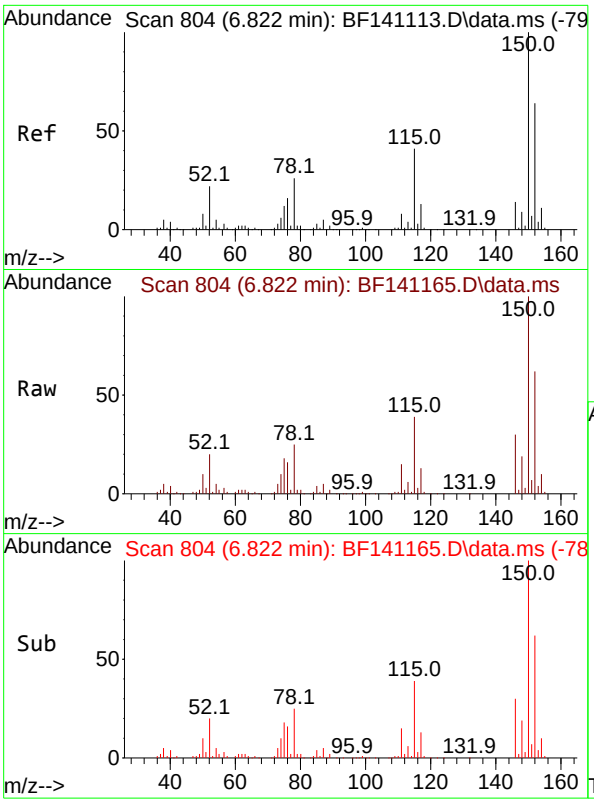
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141165.D
Acq On : 15 Jan 2025 10:26
Operator : RC/JU
Sample : PB166035BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Quant Time: Jan 15 15:25:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



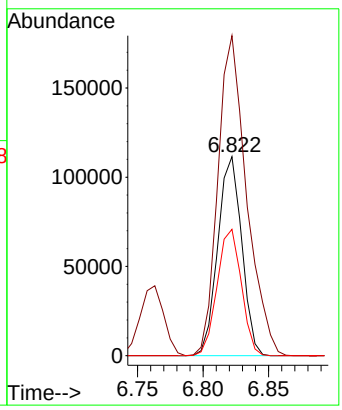


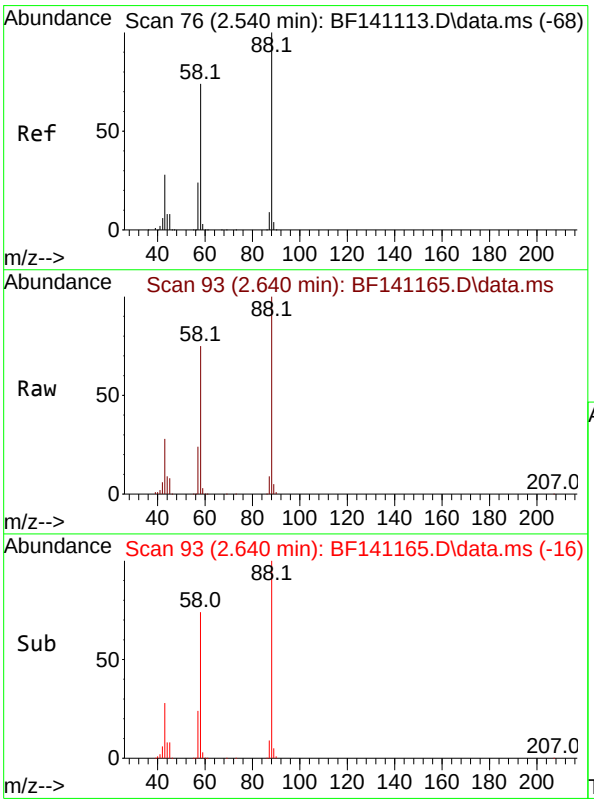

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:152 Resp: 141578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.7 | 125.8 | 188.8 |
| 115 | 63.5 | 51.4 | 77.2 |

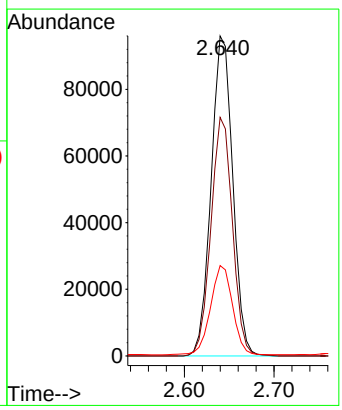


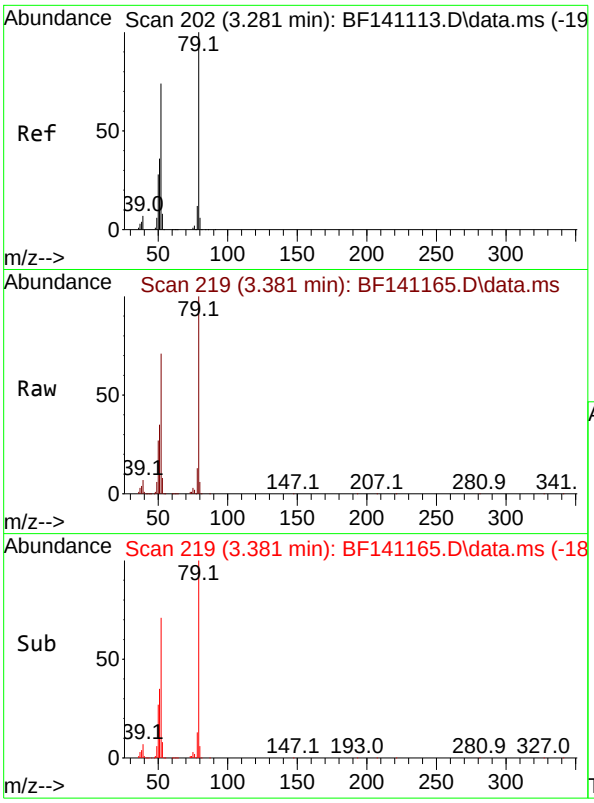




#2
1,4-Dioxane
Concen: 39.324 ng
RT: 2.640 min Scan# 93
Delta R.T. 0.100 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion: 88 Resp: 160491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.3 | 60.1 | 90.1 |
| 43 | 28.5 | 23.1 | 34.7 |



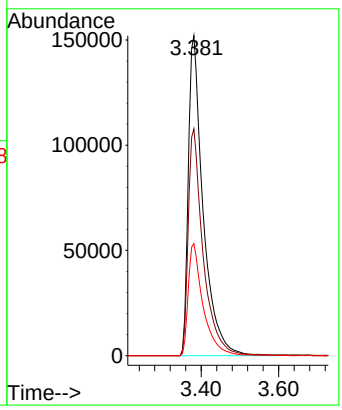


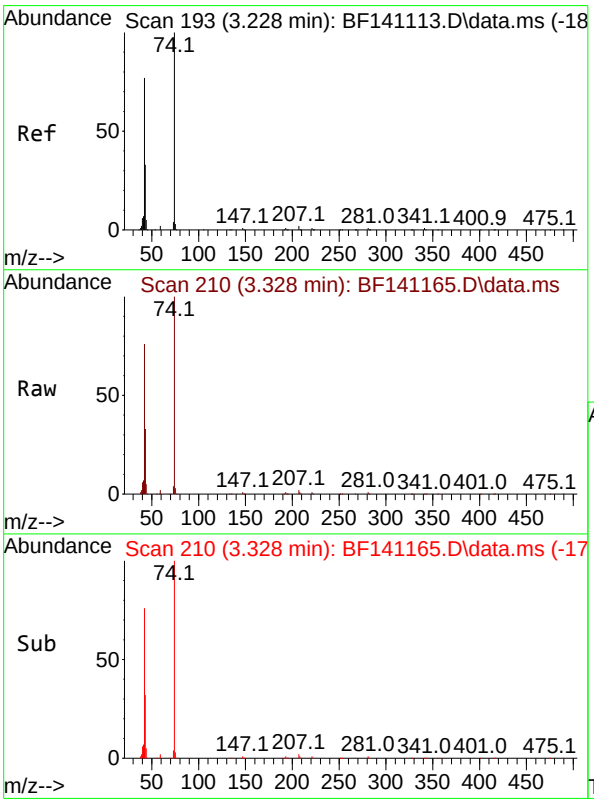

#3
Pyridine
Concen: 40.314 ng
RT: 3.381 min Scan# 21
Delta R.T. 0.100 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion: 79 Resp: 403464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 70.9 | 58.9 | 88.3 |
| 51 | 35.0 | 29.1 | 43.7 |

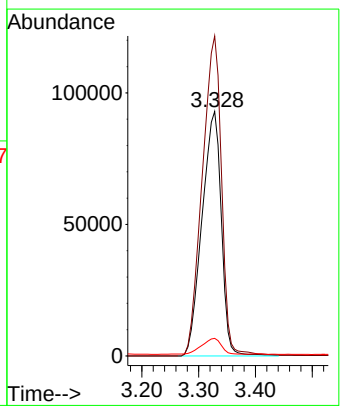


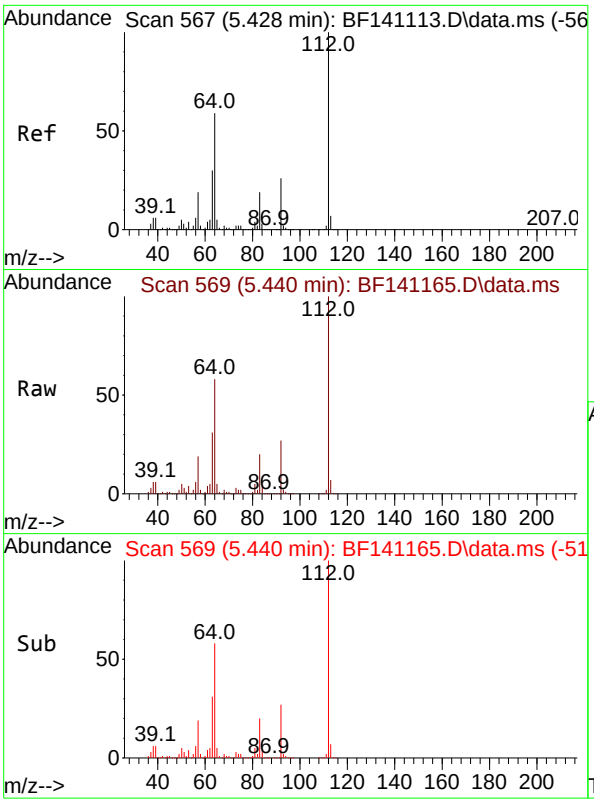




#4
n-Nitrosodimethylamine
Concen: 44.770 ng
RT: 3.328 min Scan# 210
Delta R.T. 0.100 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion: 42 Resp: 219085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 130.9 | 103.8 | 155.6 |
| 44 | 7.2 | 5.3 | 7.9 |



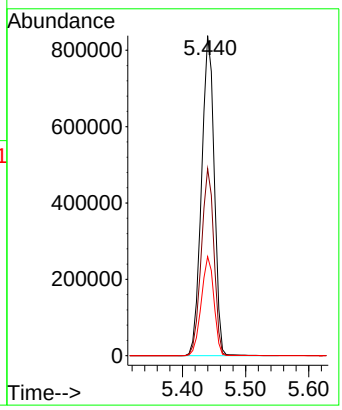


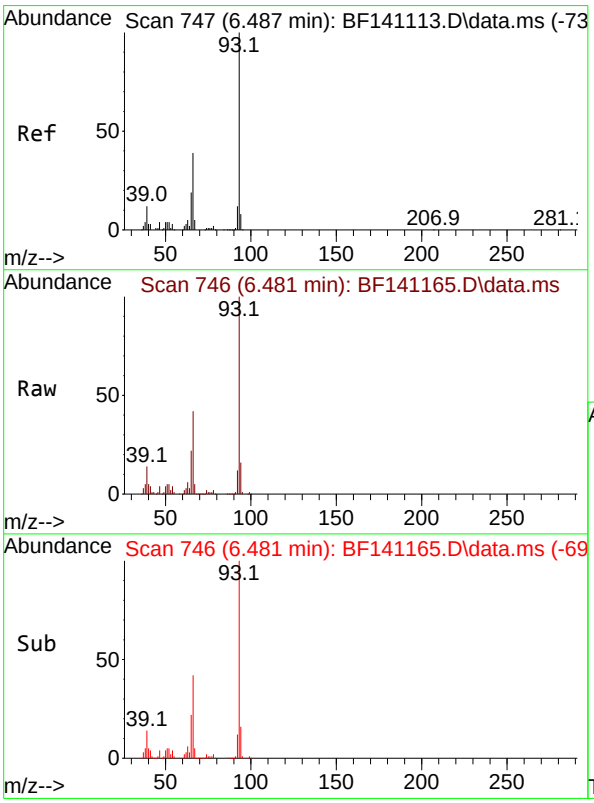

#5
2-Fluorophenol
Concen: 127.966 ng
RT: 5.440 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:112 Resp: 1172779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.5 | 47.3 | 70.9 |
| 63 | 31.0 | 24.2 | 36.2 |

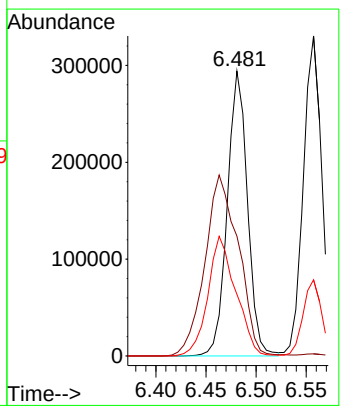


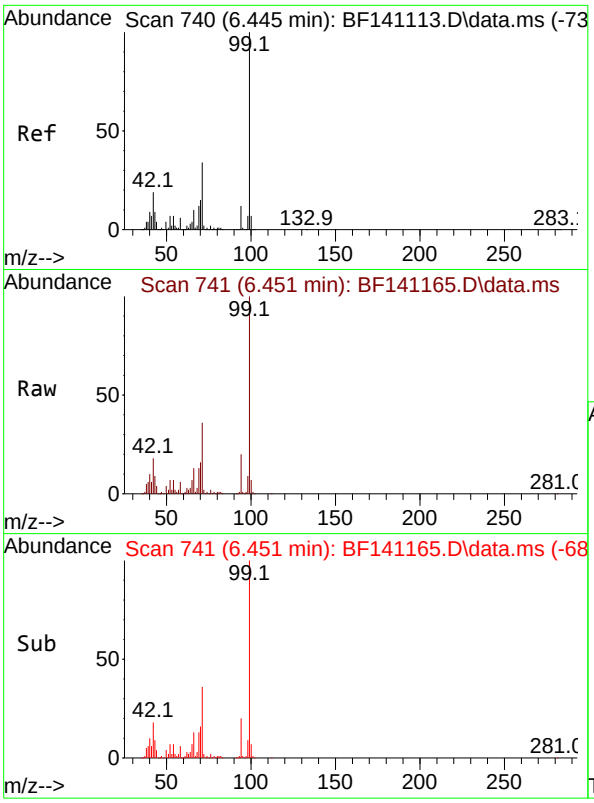




#6
Aniline
Concen: 40.030 ng
RT: 6.481 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion: 93 Resp: 412595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 42.1 | 31.5 | 47.3 |
| 65 | 21.6 | 15.3 | 22.9 |



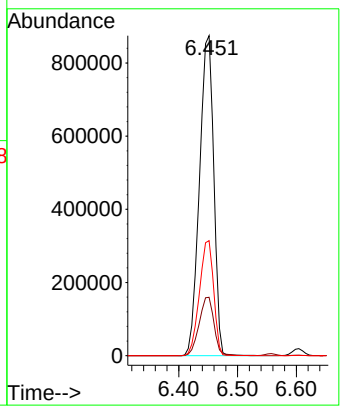


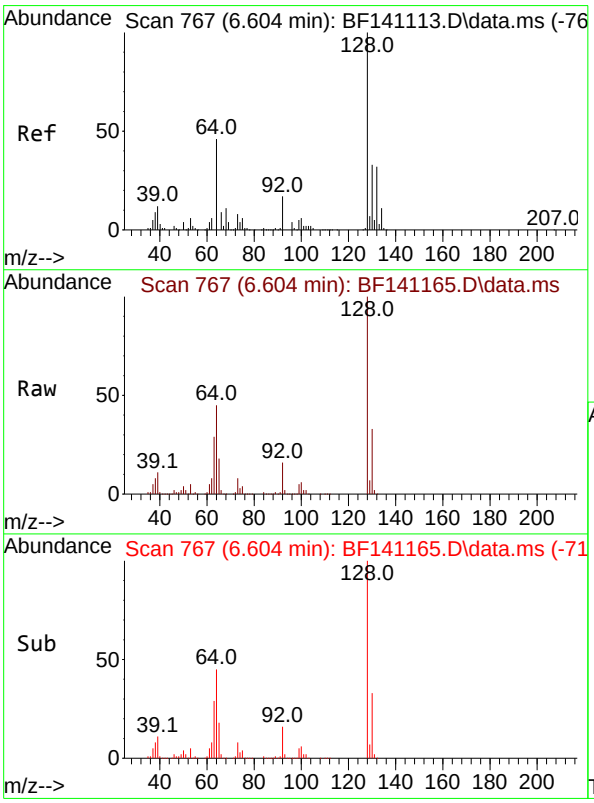

#7
Phenol-d6
Concen: 126.975 ng
RT: 6.451 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion: 99 Resp: 1474065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.3 | 15.0 | 22.4 |
| 71 | 36.0 | 27.6 | 41.4 |

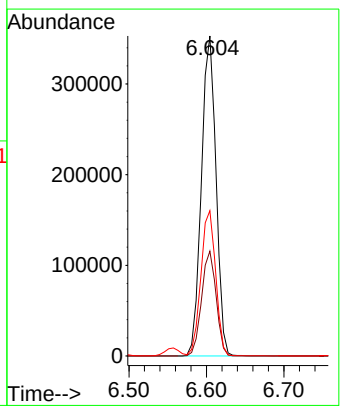


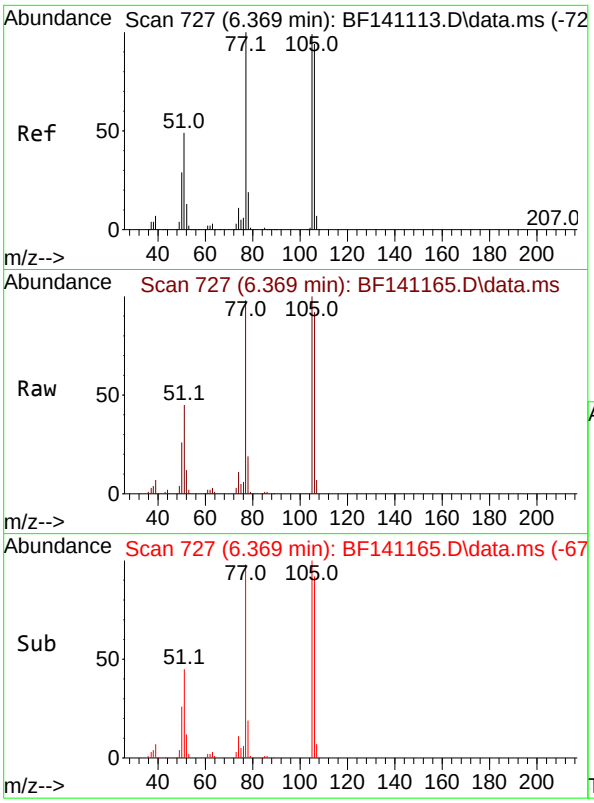




#8
2-Chlorophenol
Concen: 47.032 ng
RT: 6.604 min Scan# 767
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:128 Resp: 462455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.8 | 12.5 | 52.5 |
| 64 | 45.4 | 28.3 | 68.3 |



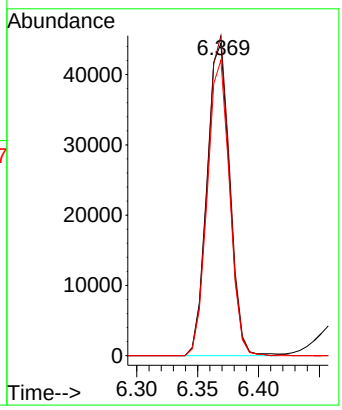


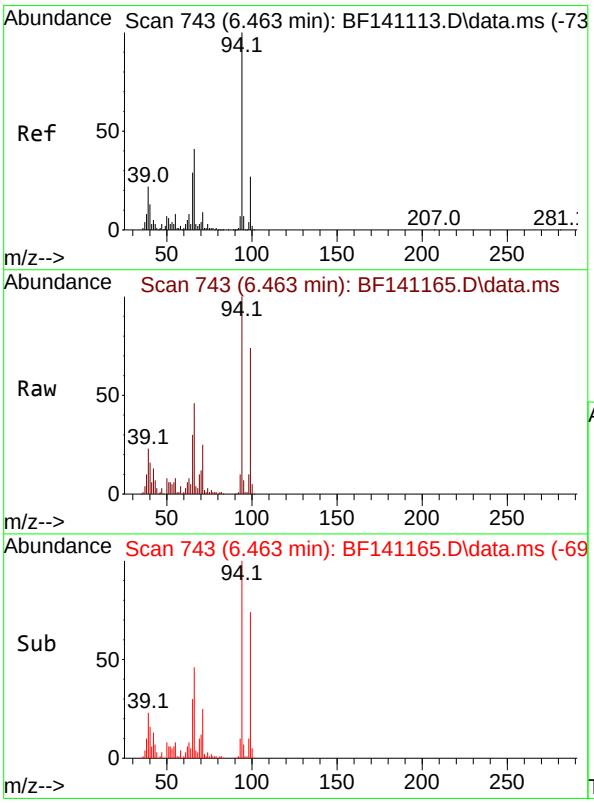

#9
Benzaldehyde
Concen: 8.386 ng
RT: 6.369 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion: 77 Resp: 57336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 102.4 | 78.9 | 118.9 |
| 106 | 94.6 | 73.6 | 113.6 |

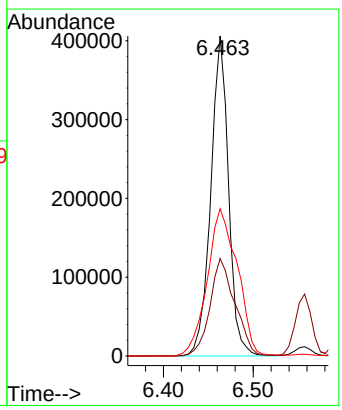


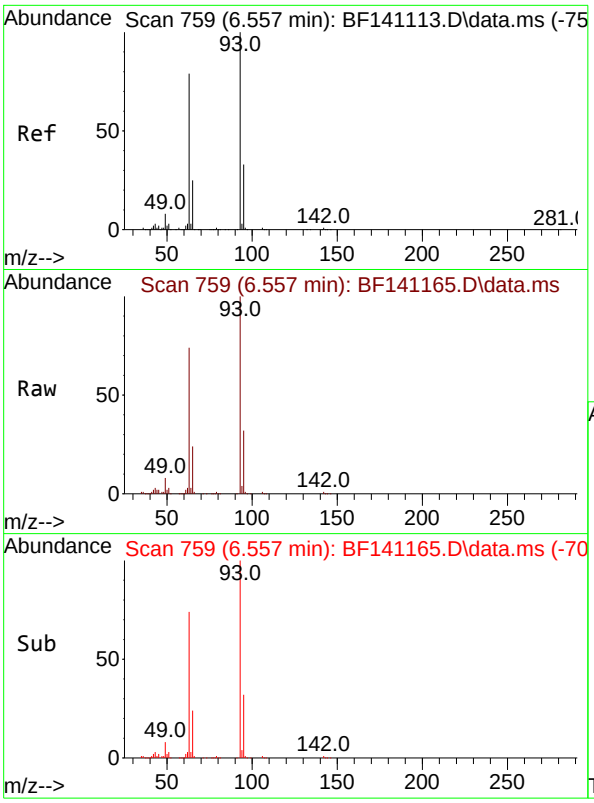




#10
Phenol
Concen: 45.001 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion: 94 Resp: 559240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 30.4 | 8.9 | 48.9 |
| 66 | 46.0 | 21.2 | 61.2 |



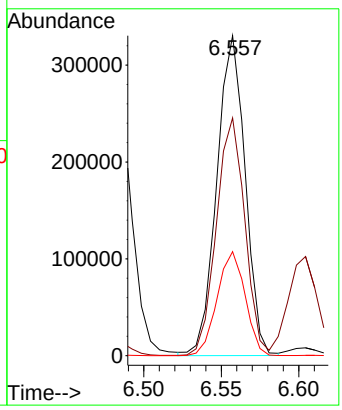


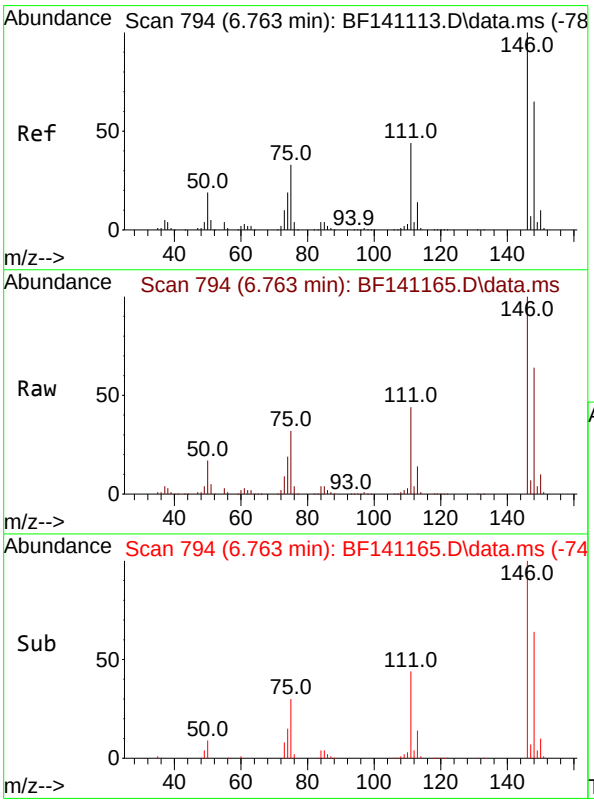

#11
bis(2-Chloroethyl)ether
Concen: 45.405 ng
RT: 6.557 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion: 93 Resp: 420510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 74.3 | 58.0 | 98.0 |
| 95 | 32.5 | 12.5 | 52.5 |

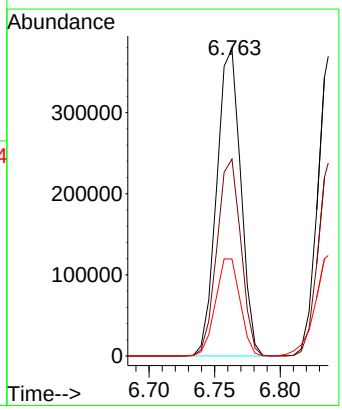


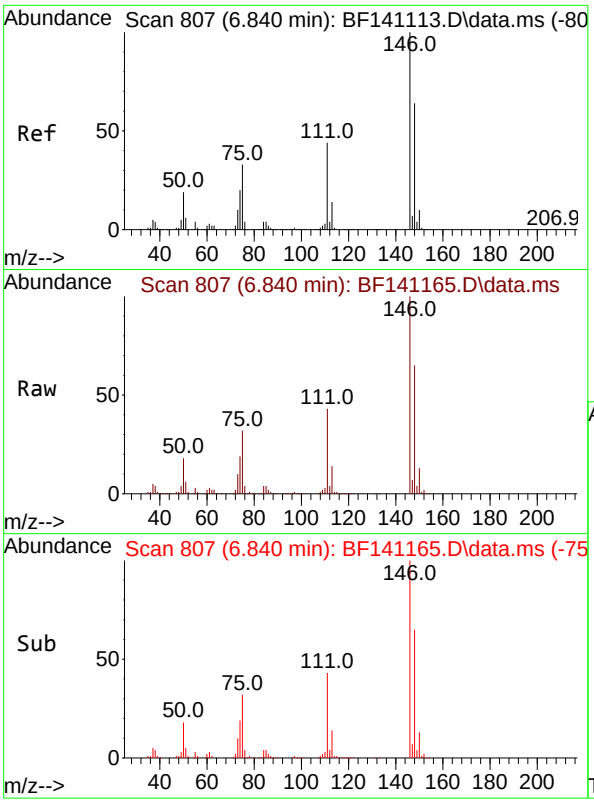




#12
1,3-Dichlorobenzene
Concen: 43.989 ng
RT: 6.763 min Scan# 794
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:146 Resp: 482405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.6 | 77.4 |
| 75 | 31.6 | 26.2 | 39.2 |



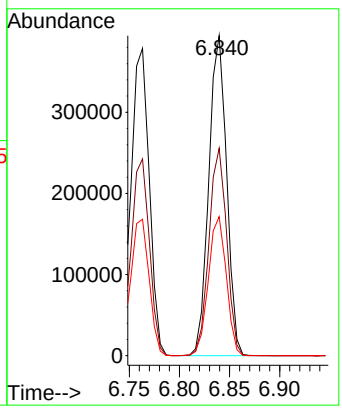


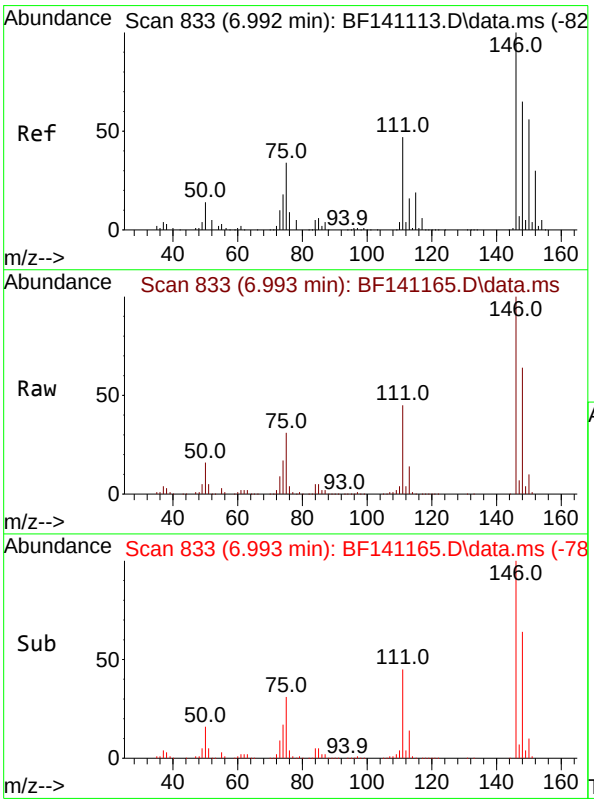

#13
1,4-Dichlorobenzene
Concen: 44.210 ng
RT: 6.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:146 Resp: 488566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.0 | 76.6 |
| 111 | 43.5 | 34.9 | 52.3 |

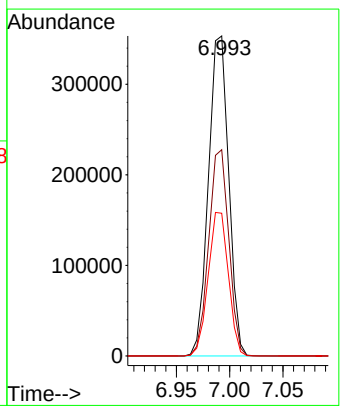


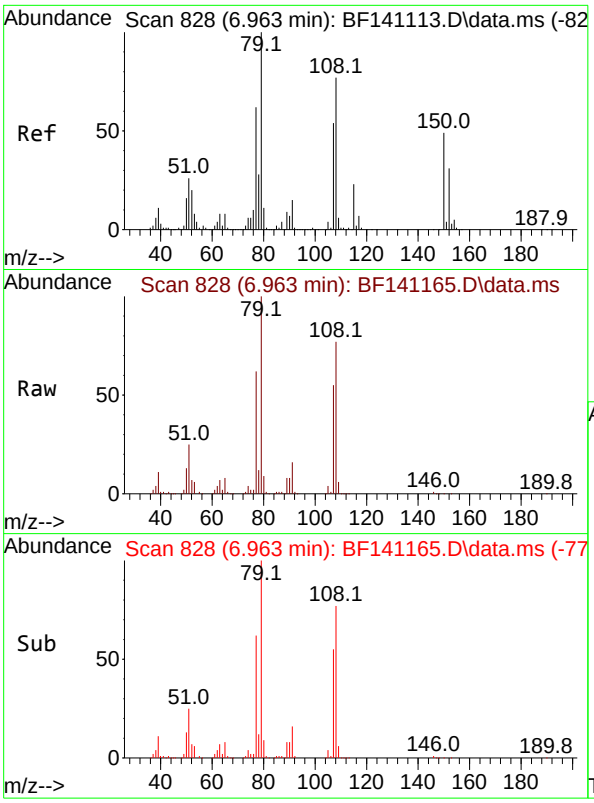




#14
1,2-Dichlorobenzene
Concen: 45.430 ng
RT: 6.993 min Scan# 833
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:146 Resp: 468309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.5 | 52.2 | 78.4 |
| 111 | 44.6 | 37.5 | 56.3 |



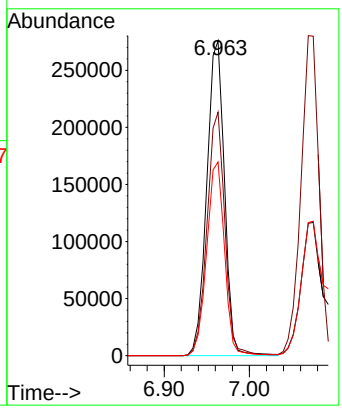


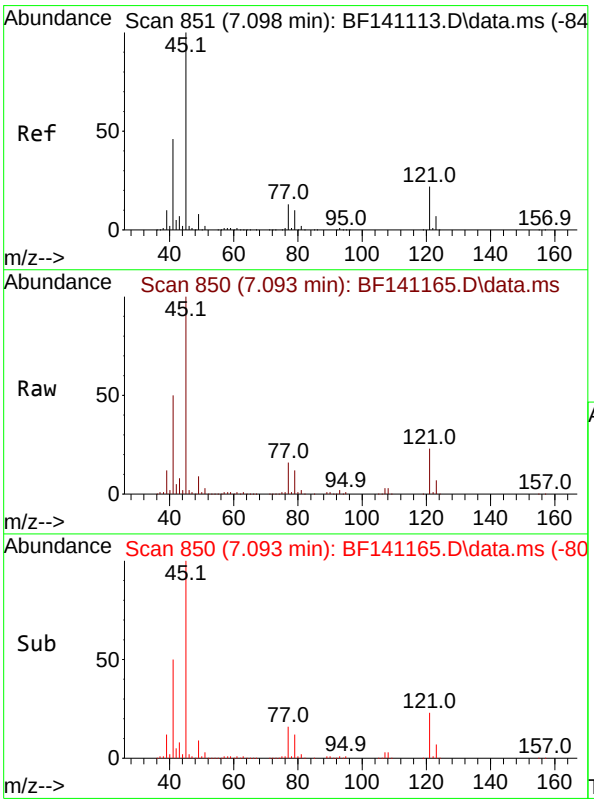

#15
Benzyl Alcohol
Concen: 47.562 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion: 79 Resp: 398751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 77.4 | 61.4 | 92.0 |
| 77 | 61.6 | 49.8 | 74.6 |

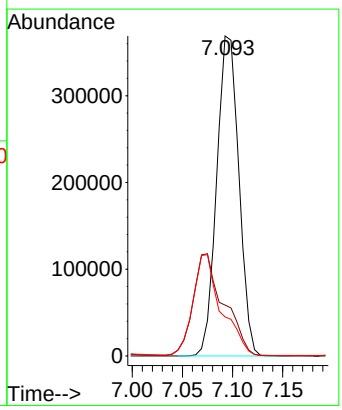


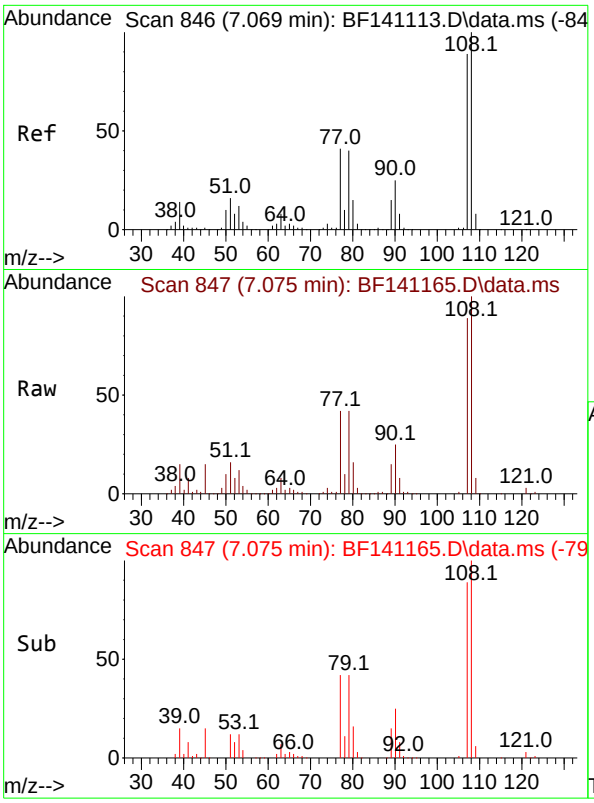




#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.782 ng
RT: 7.093 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion: 45 Resp: 565830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 15.9 | 0.0 | 34.1 |
| 79 | 12.2 | 0.0 | 31.0 |



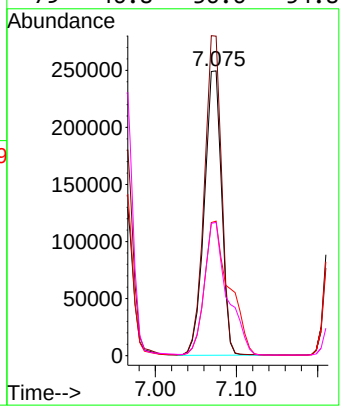


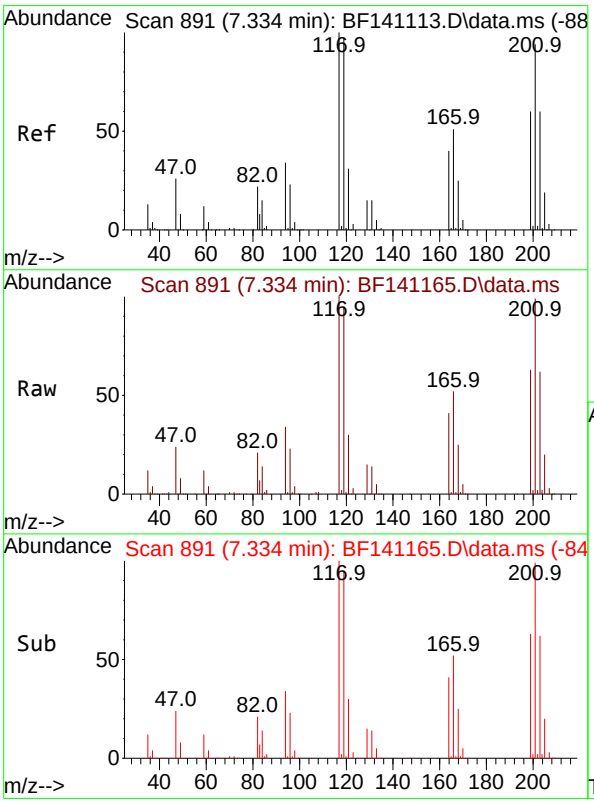

#17
2-Methylphenol
Concen: 46.289 ng
RT: 7.075 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:107 Resp: 367457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.2 | 90.1 | 135.1 |
| 77 | 47.2 | 36.6 | 55.0 |
| 79 | 46.8 | 36.6 | 54.8 |

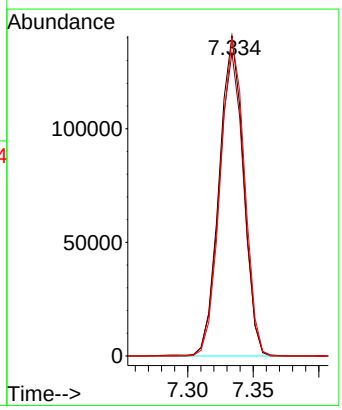


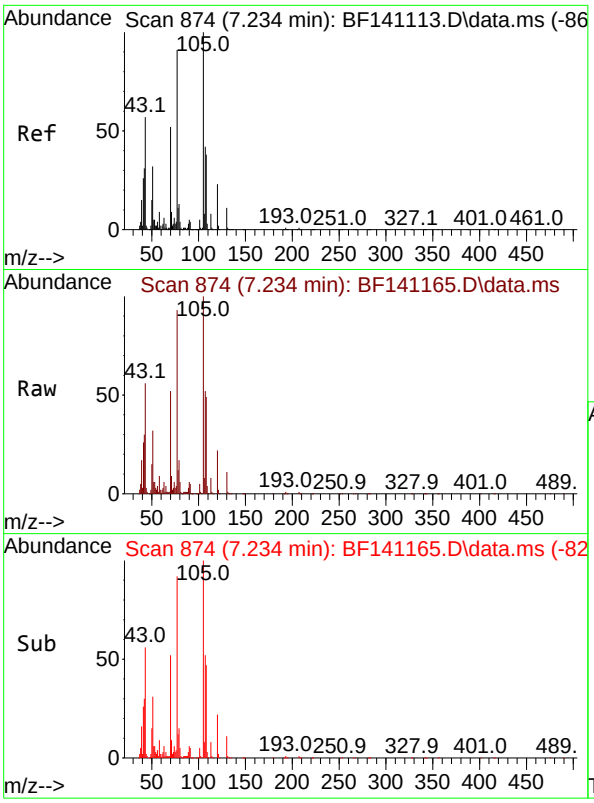




#18
Hexachloroethane
Concen: 45.349 ng
RT: 7.334 min Scan# 891
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:117 Resp: 181232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.8 | 77.6 | 116.4 |
| 201 | 99.4 | 75.1 | 112.7 |



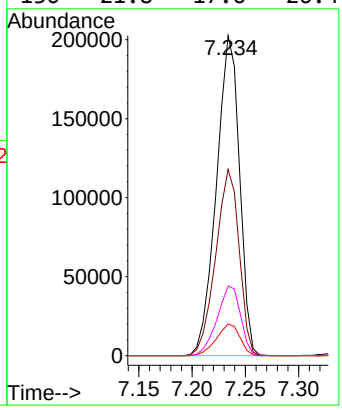


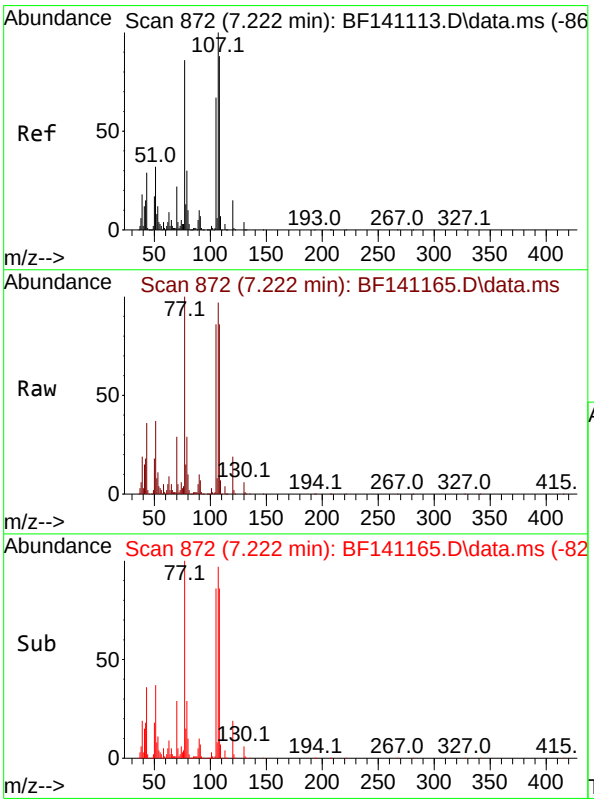

#19
n-Nitroso-di-n-propylamine
Concen: 44.623 ng
RT: 7.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion: 70 Resp: 305153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 58.2 | 47.8 | 71.6 |
| 101 | 9.9 | 7.9 | 11.9 |
| 130 | 21.8 | 17.6 | 26.4 |

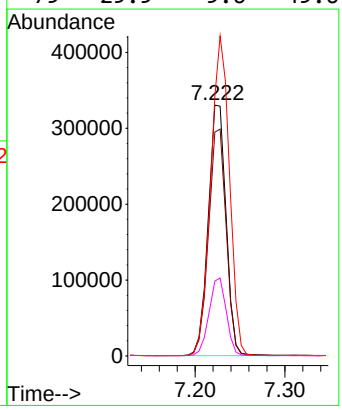


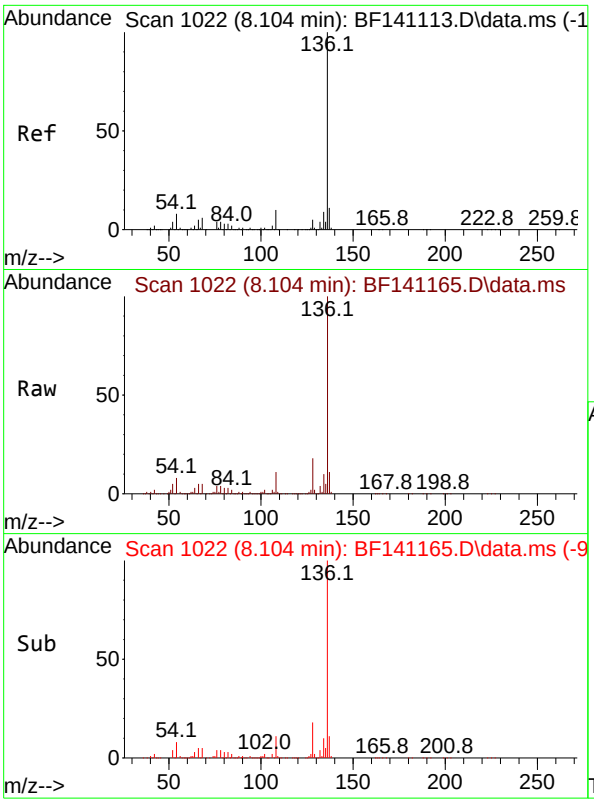




#20
3+4-Methylphenols
Concen: 45.312 ng
RT: 7.222 min Scan# 872
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:107 Resp: 453804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.2 | 68.3 | 108.3 |
| 77 | 103.3 | 66.4 | 106.4 |
| 79 | 29.9 | 9.6 | 49.6 |



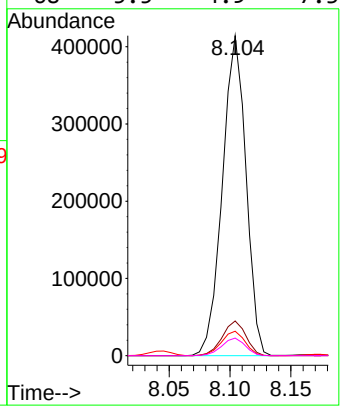


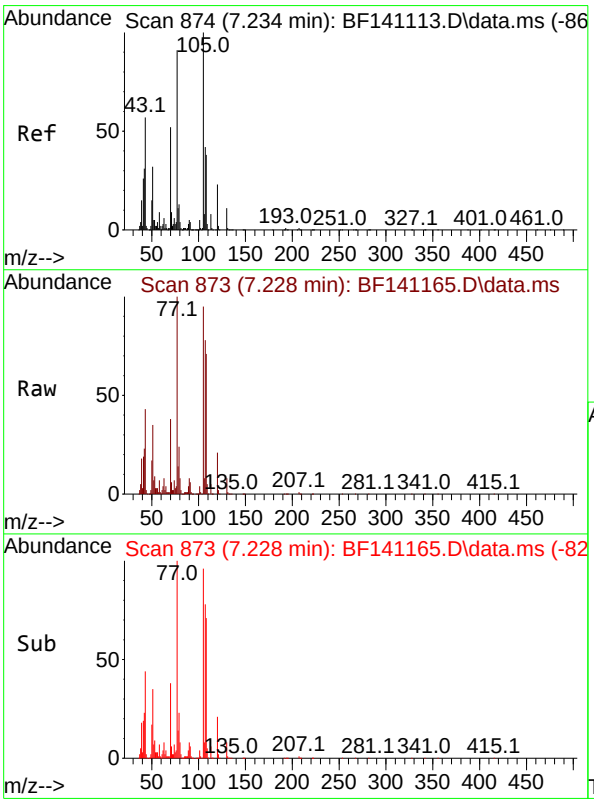

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:136 Resp: 559409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.8 | 13.2 |
| 54 | 7.7 | 6.3 | 9.5 |
| 68 | 5.5 | 4.9 | 7.3 |

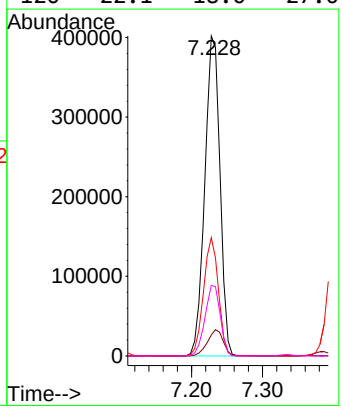


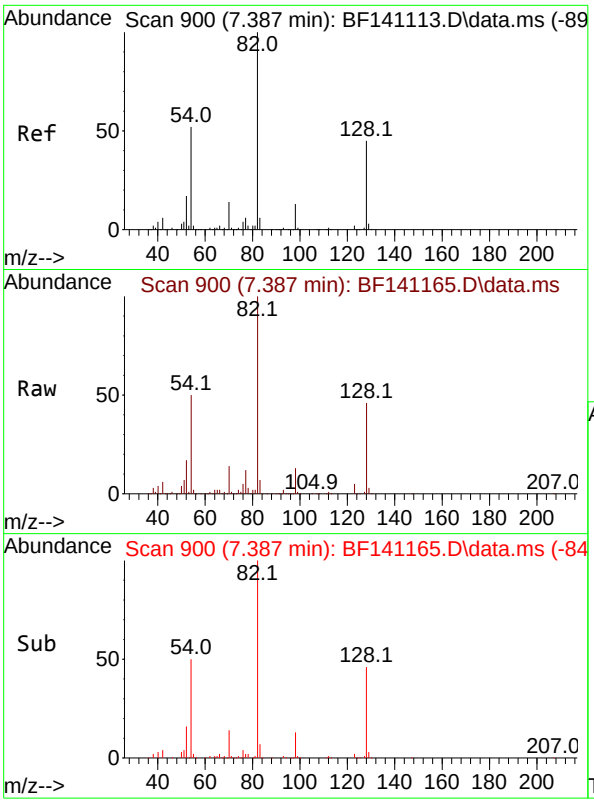




#22
Acetophenone
Concen: 45.036 ng
RT: 7.228 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:105 Resp: 598908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.6 | 7.1 | 10.7# |
| 51 | 37.0 | 25.4 | 38.2 |
| 120 | 22.1 | 18.0 | 27.0 |



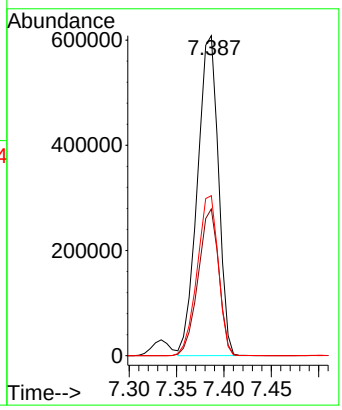


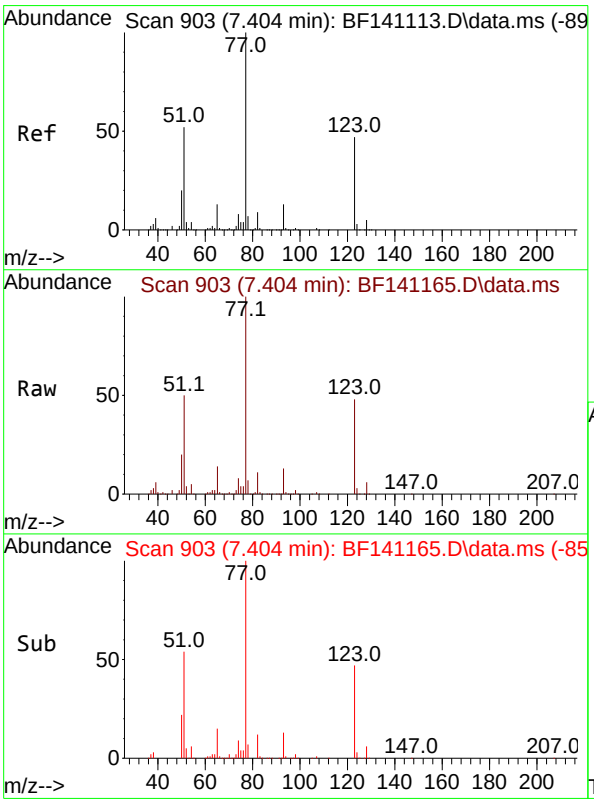

#23
Nitrobenzene-d5
Concen: 88.702 ng
RT: 7.387 min Scan# 9(
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion: 82 Resp: 936087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.9 | 36.1 | 54.1 |
| 54 | 50.0 | 41.0 | 61.4 |

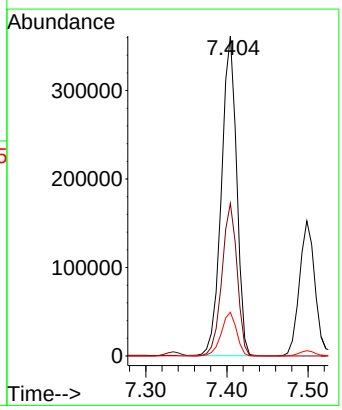


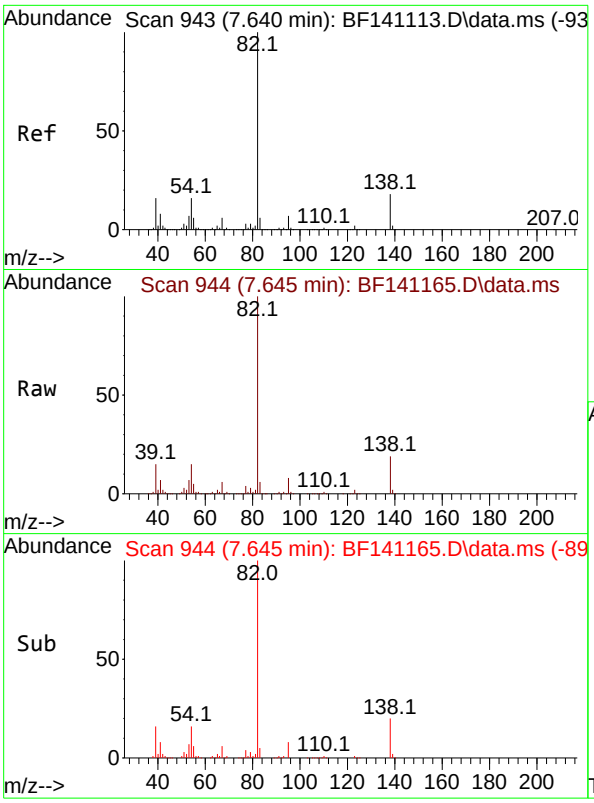




#24
Nitrobenzene
Concen: 42.953 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion: 77 Resp: 472430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.7 | 37.7 | 56.5 |
| 65 | 13.7 | 10.6 | 16.0 |



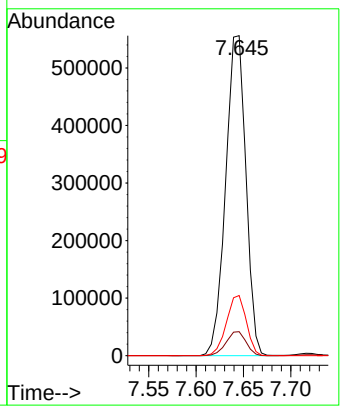


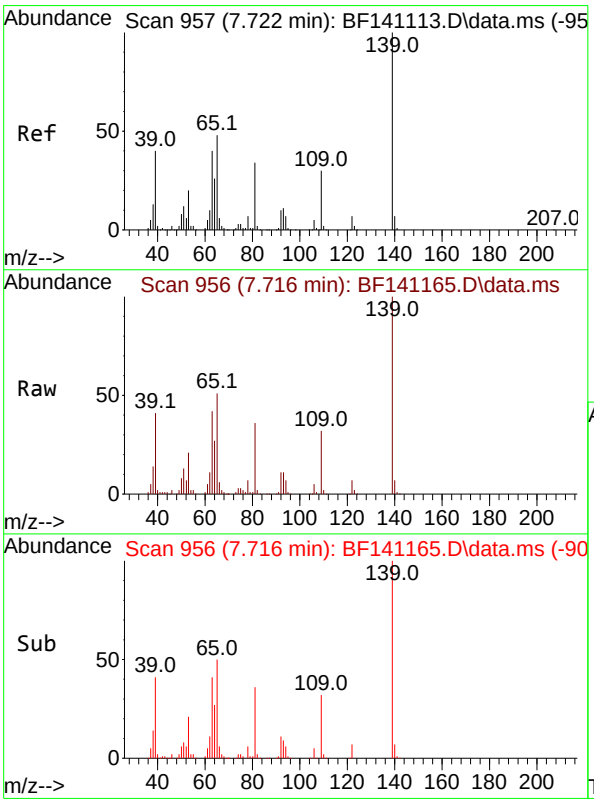

#25
Isophorone
Concen: 45.854 ng
RT: 7.645 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion: 82 Resp: 826977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.5 | 5.9 | 8.9 |
| 138 | 18.8 | 14.2 | 21.2 |

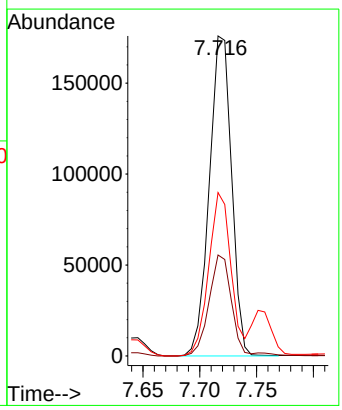


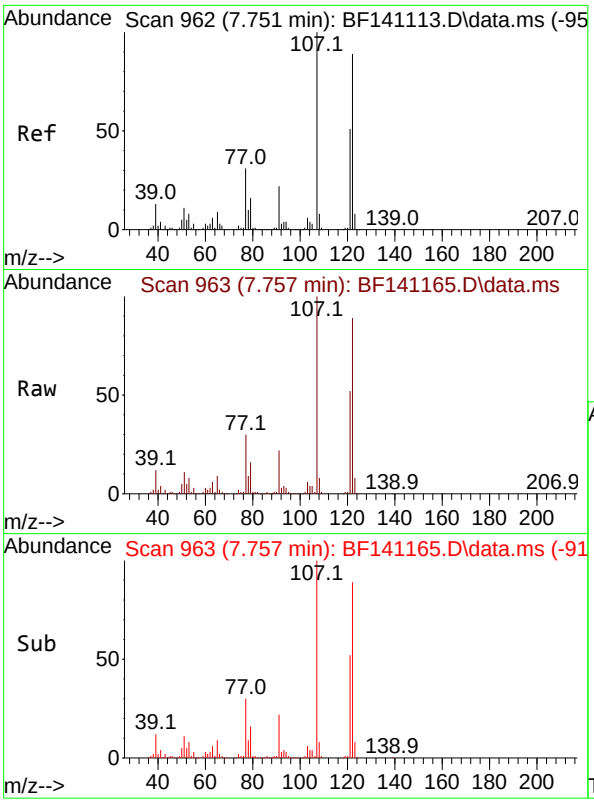




#26
2-Nitrophenol
Concen: 48.018 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:139 Resp: 240239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.6 | 23.8 | 35.6 |
| 65 | 51.1 | 38.5 | 57.7 |



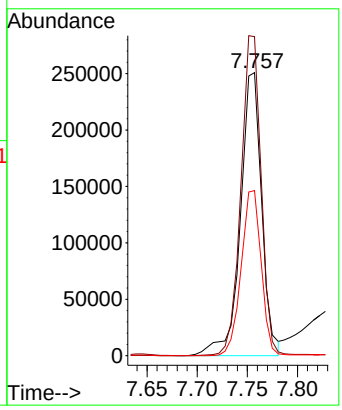


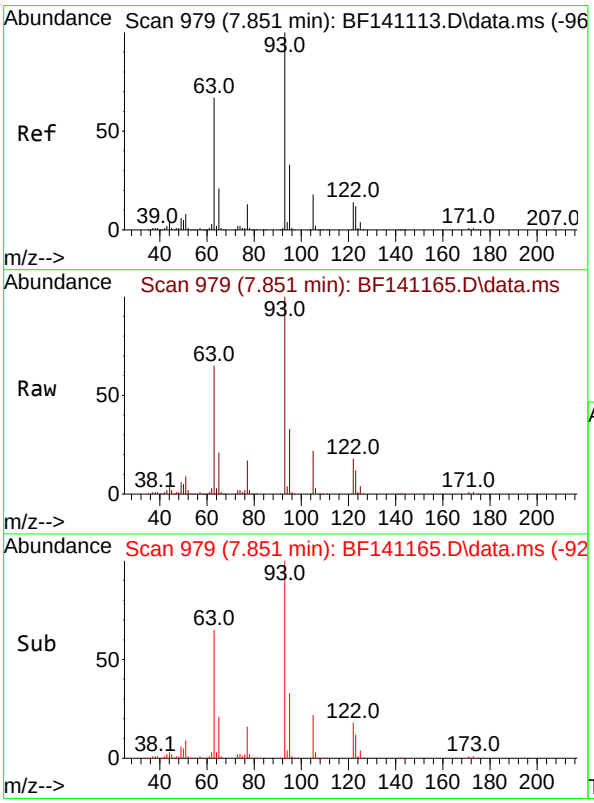

#27
2,4-Dimethylphenol
Concen: 55.087 ng
RT: 7.757 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:122 Resp: 371757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.7 | 90.3 | 135.5 |
| 121 | 58.3 | 46.5 | 69.7 |

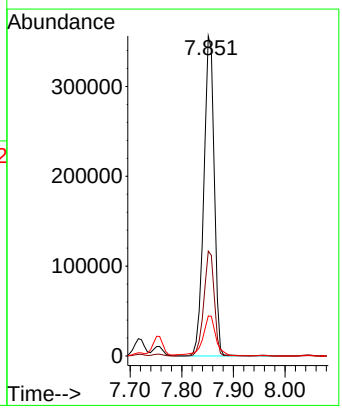


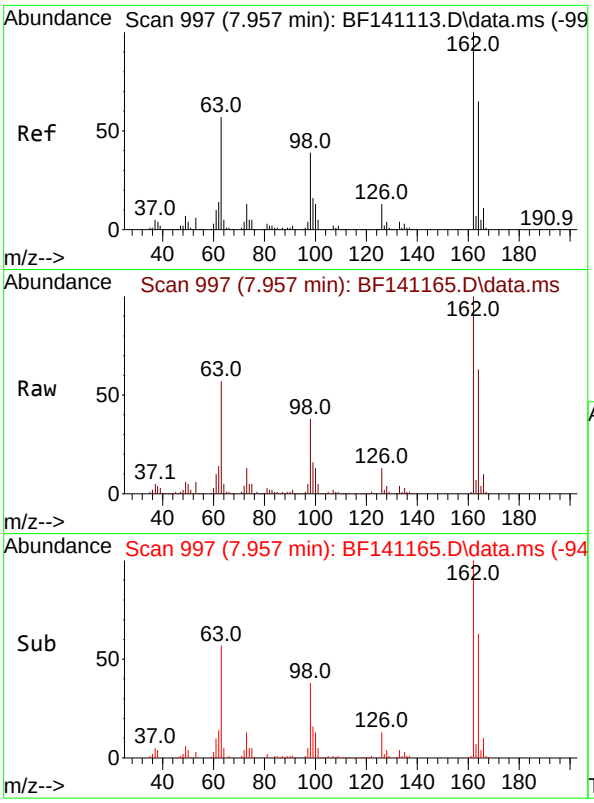




#28
bis(2-Chloroethoxy)methane
Concen: 44.187 ng
RT: 7.851 min Scan# 979
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion: 93 Resp: 500129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.7 | 26.2 | 39.4 |
| 123 | 12.5 | 10.1 | 15.1 |



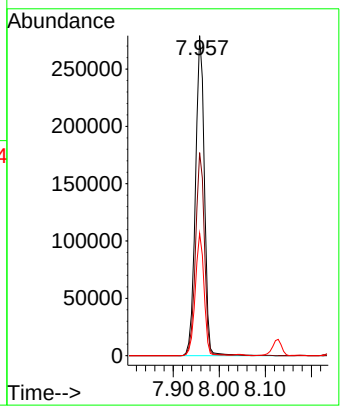


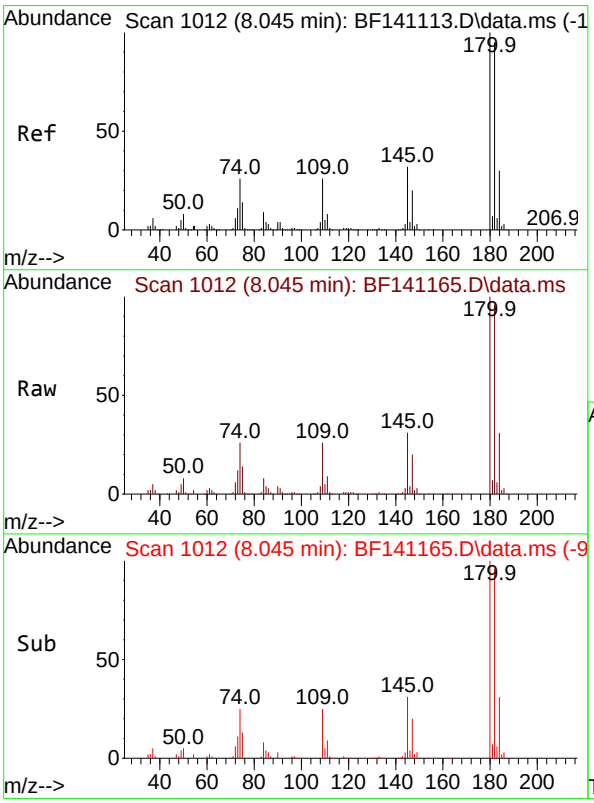

#29
2,4-Dichlorophenol
Concen: 46.769 ng
RT: 7.957 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:162 Resp: 374851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.5 | 44.5 | 84.5 |
| 98 | 38.2 | 18.5 | 58.5 |

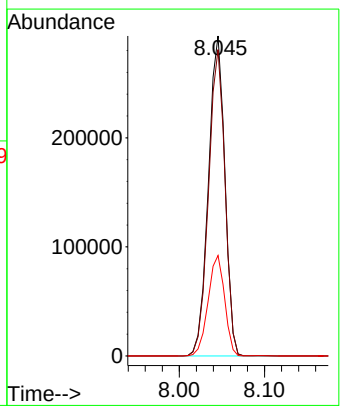


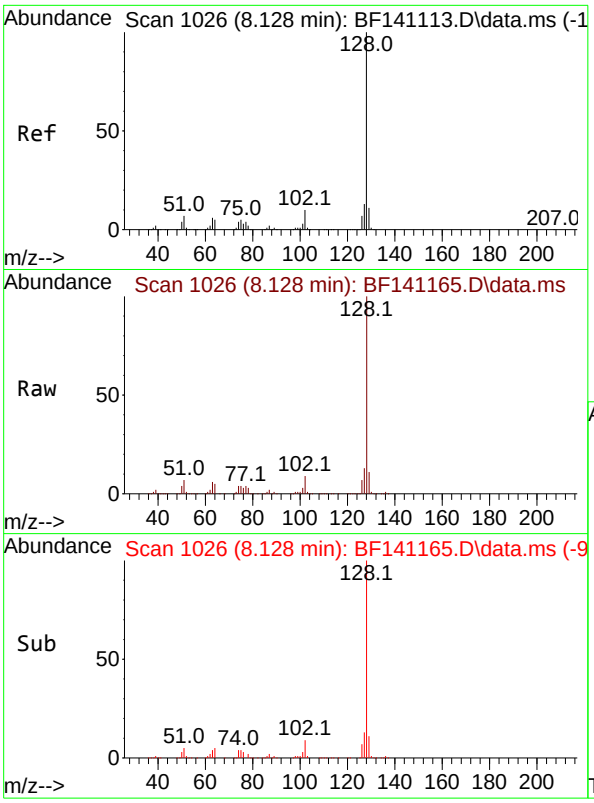




#30
1,2,4-Trichlorobenzene
Concen: 43.039 ng
RT: 8.045 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:180 Resp: 394294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 76.2 | 114.2 |
| 145 | 31.4 | 25.3 | 37.9 |



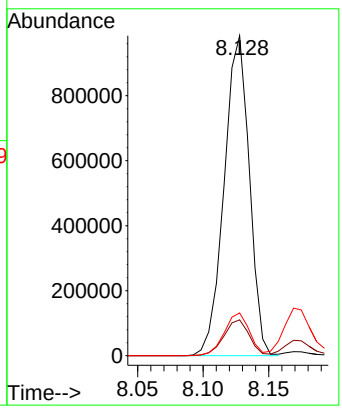


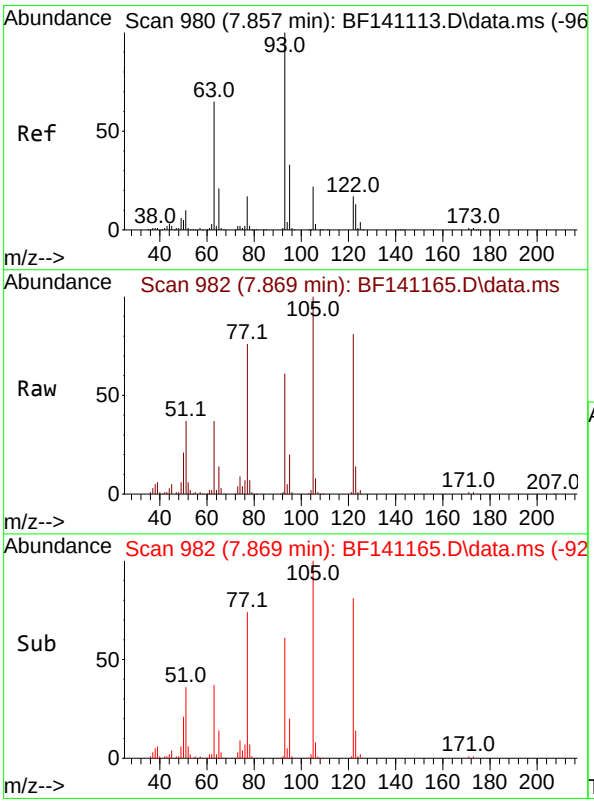

#31
Naphthalene
Concen: 44.606 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:128 Resp: 1315926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 9.0 | 13.6 |
| 127 | 13.4 | 10.8 | 16.2 |

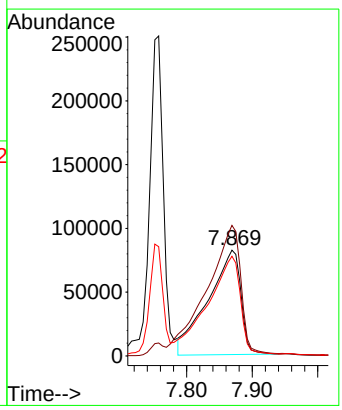


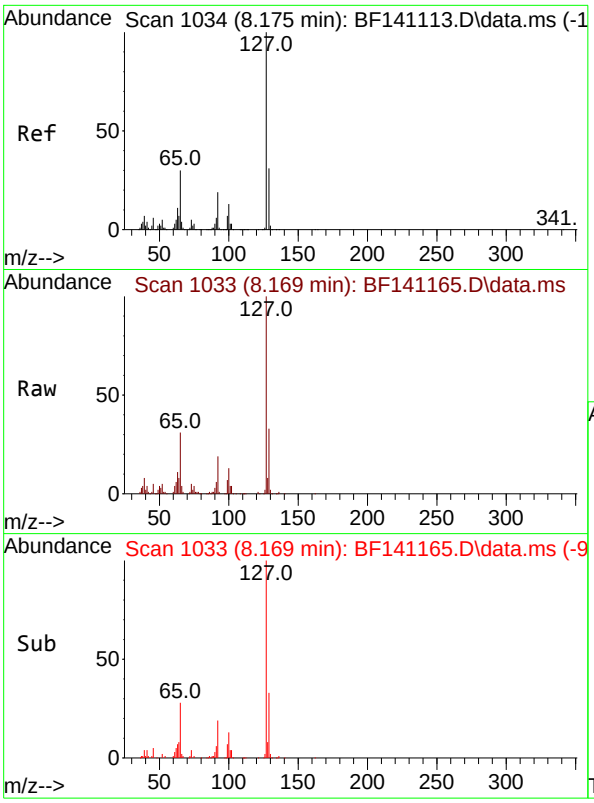




#32
Benzoic acid
Concen: 43.954 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.012 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:122 Resp: 284542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.5 | 105.5 | 145.5 |
| 77 | 94.3 | 75.1 | 115.1 |



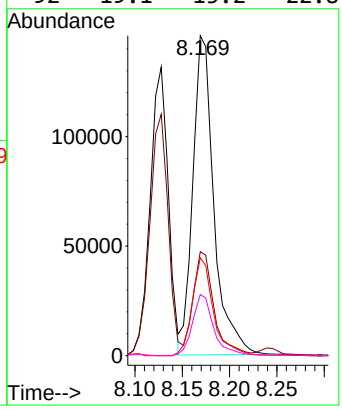


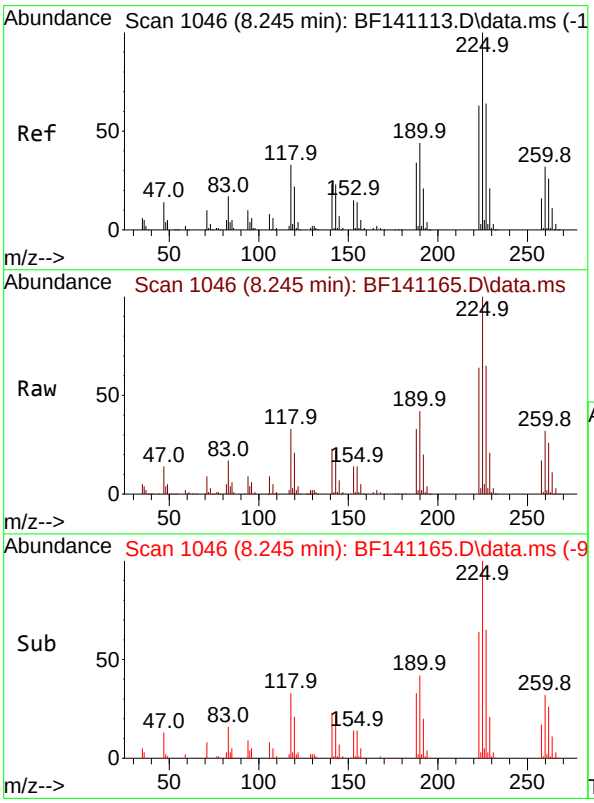

#33
4-Chloroaniline
Concen: 22.136 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:127 Resp: 225845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.5 | 25.9 | 38.9 |
| 65 | 30.6 | 23.8 | 35.8 |
| 92 | 19.1 | 15.2 | 22.8 |

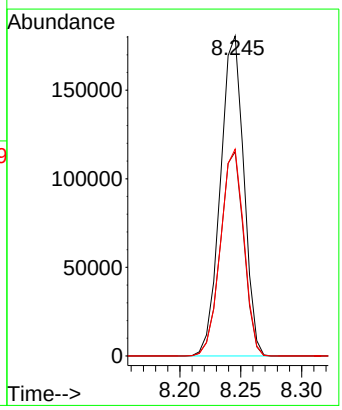


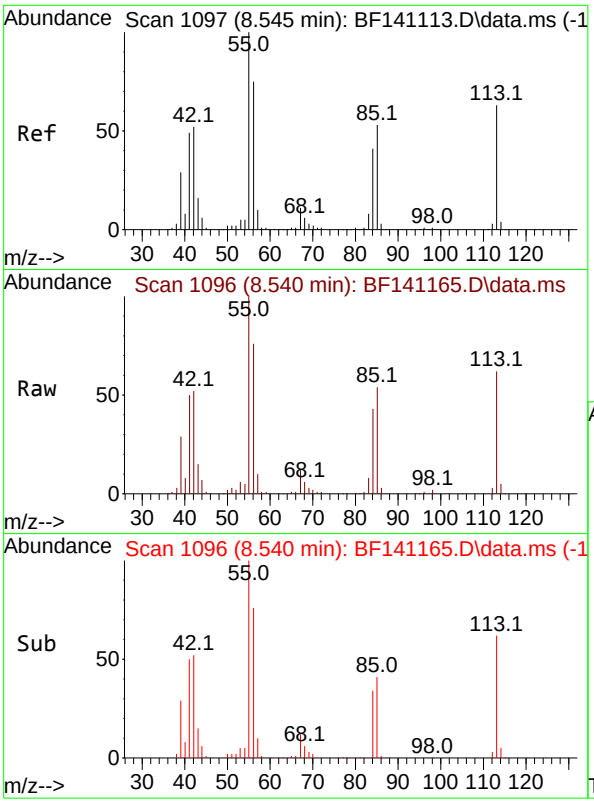




#34
Hexachlorobutadiene
Concen: 43.722 ng
RT: 8.245 min Scan# 1046
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:225 Resp: 241357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.8 | 50.6 | 76.0 |
| 227 | 64.6 | 51.6 | 77.4 |



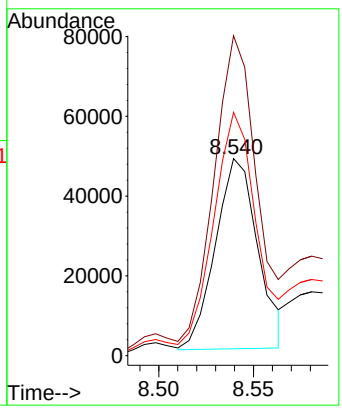


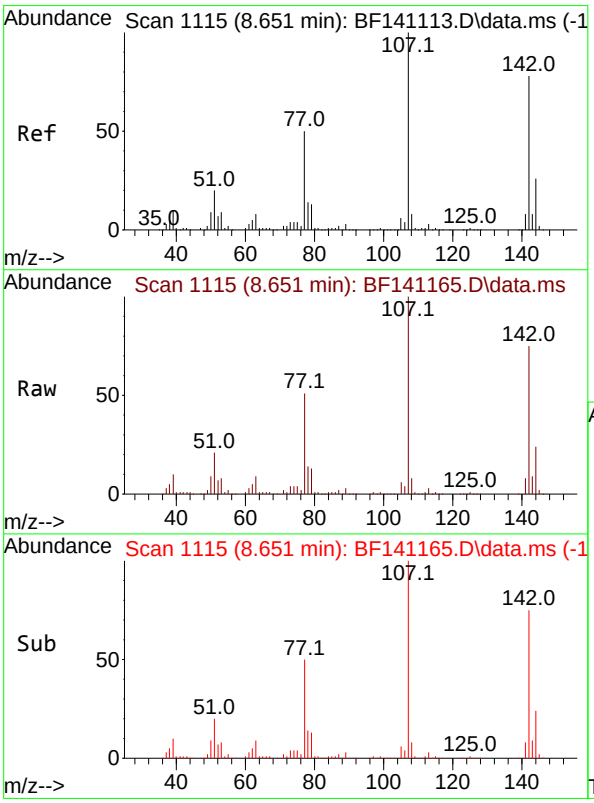

#35
Caprolactam
Concen: 28.312 ng
RT: 8.540 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:113 Resp: 74292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 162.4 | 139.7 | 179.7 |
| 56 | 123.5 | 99.4 | 139.4 |

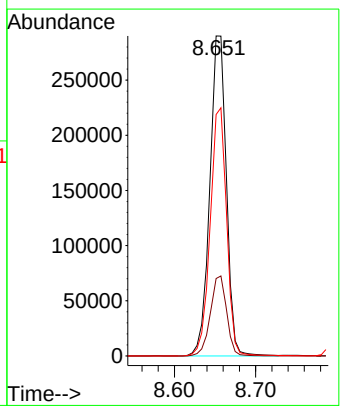


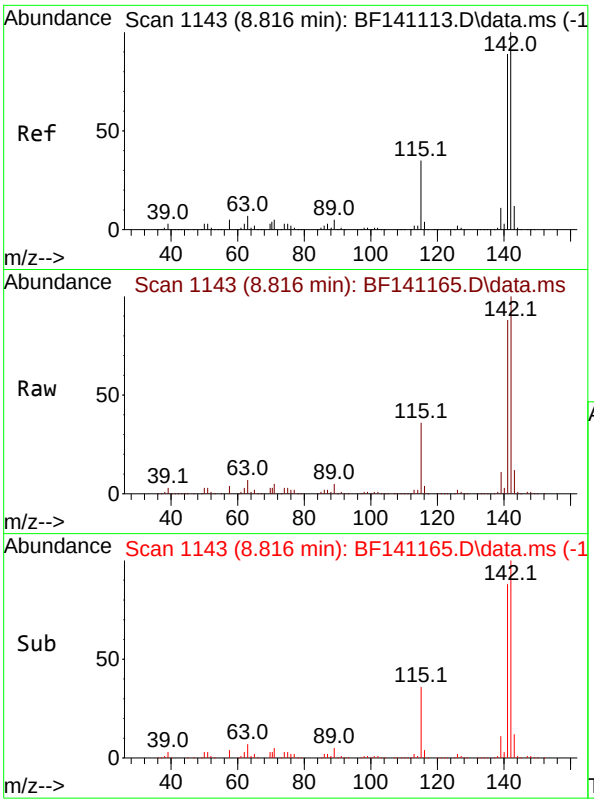




#36
4-Chloro-3-methylphenol
Concen: 46.854 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:107 Resp: 410698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.2 | 20.4 | 30.6 |
| 142 | 75.5 | 62.2 | 93.2 |



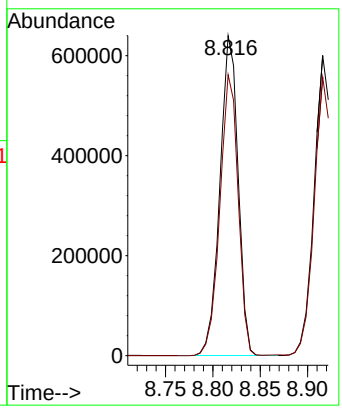


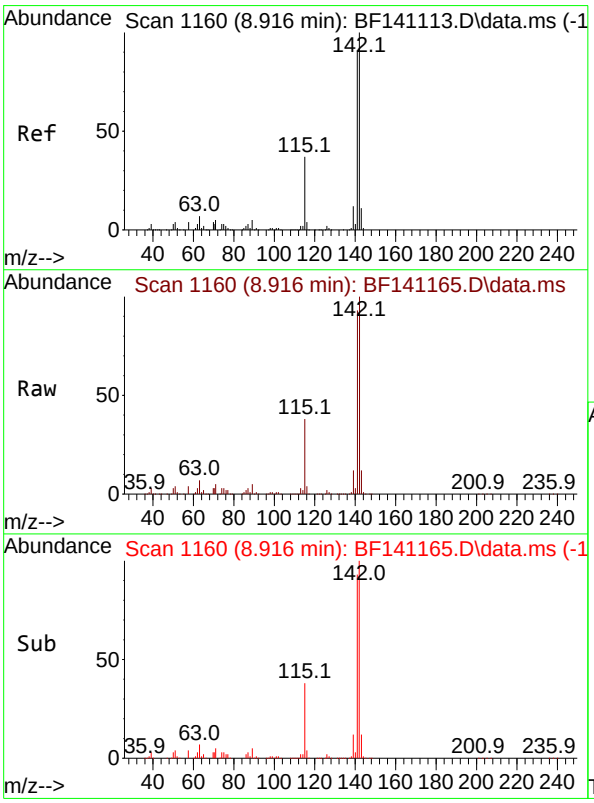

#37
2-Methylnaphthalene
Concen: 45.609 ng
RT: 8.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:142 Resp: 857406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.8 | 71.3 | 106.9 |

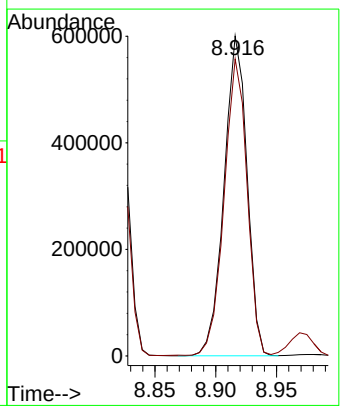


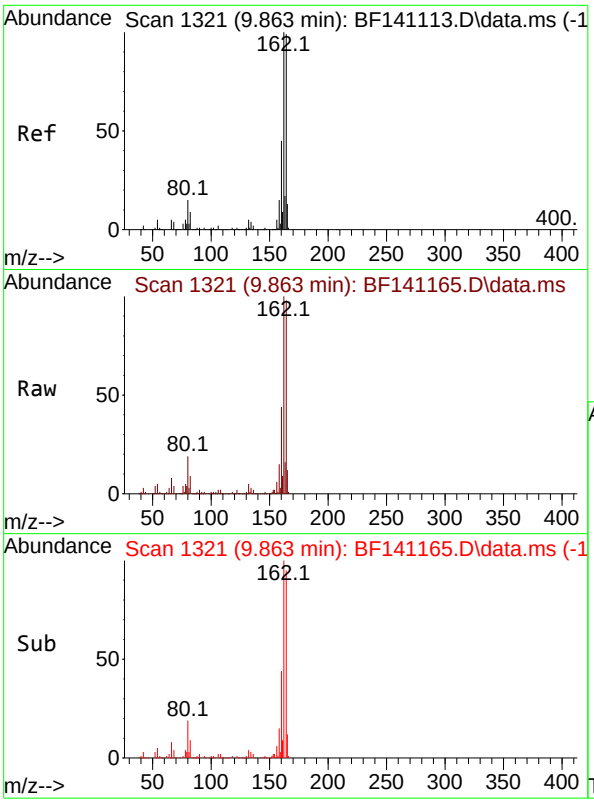




#38
1-Methylnaphthalene
Concen: 42.599 ng
RT: 8.916 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:142 Resp: 789241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.8 | 73.1 | 109.7 |



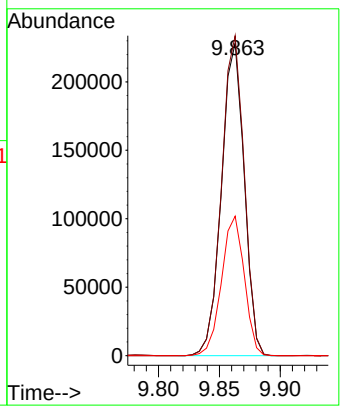


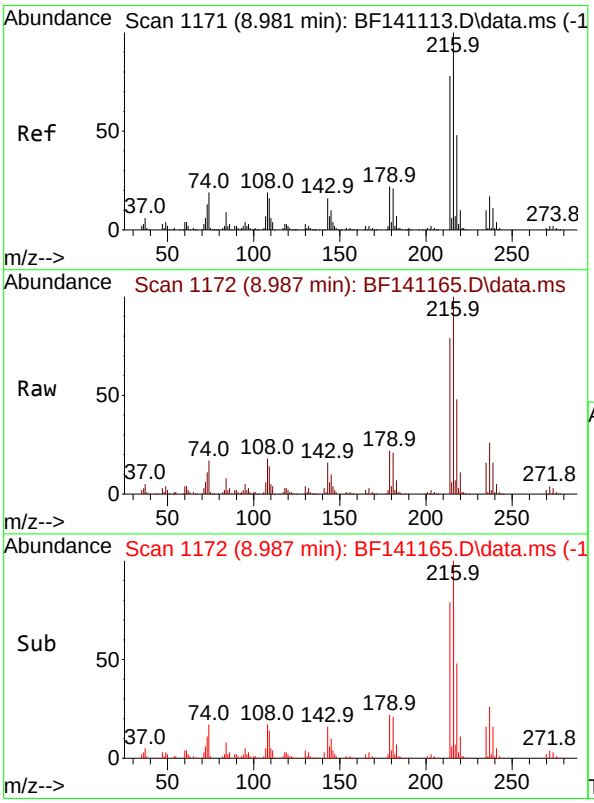

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:164 Resp: 296383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.4 | 81.0 | 121.4 |
| 160 | 44.7 | 36.1 | 54.1 |

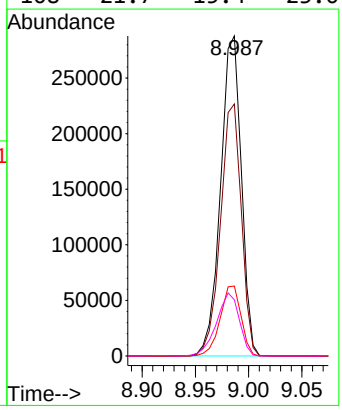


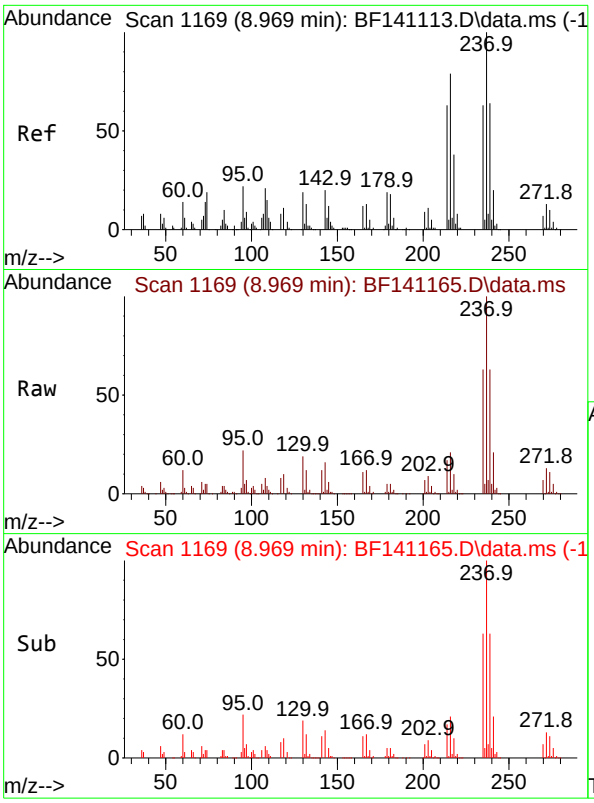




#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.831 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:216 Resp: 389876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.0 | 62.6 | 94.0 |
| 179 | 22.1 | 17.7 | 26.5 |
| 108 | 21.7 | 15.4 | 23.0 |



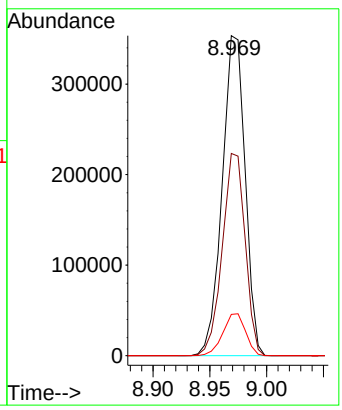


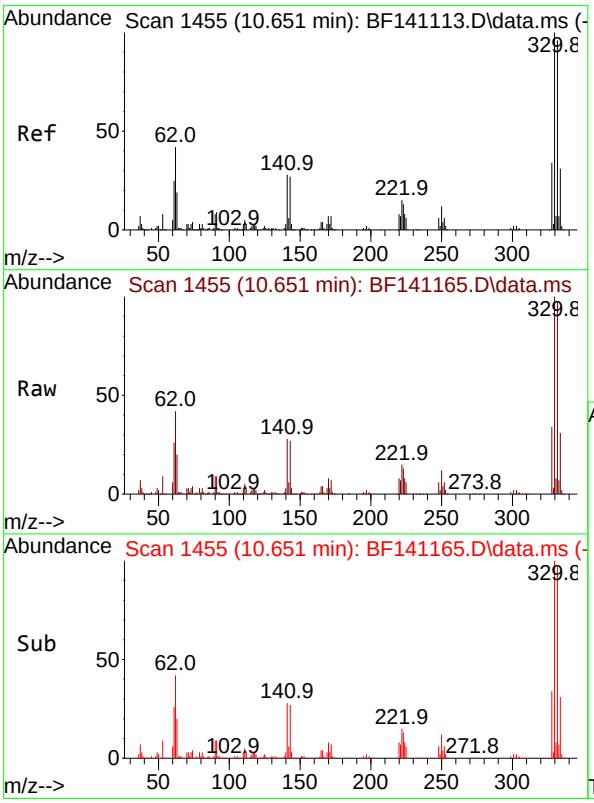

#41
Hexachlorocyclopentadiene
Concen: 178.397 ng
RT: 8.969 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:237 Resp: 496501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.2 | 43.0 | 83.0 |
| 272 | 12.9 | 0.0 | 33.0 |

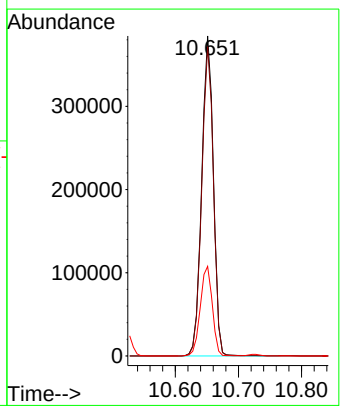


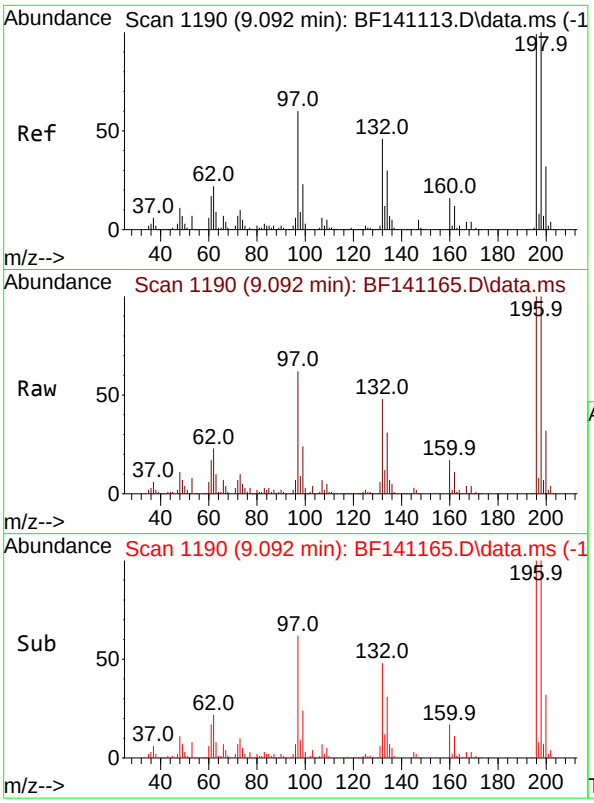




#42
2,4,6-Tribromophenol
Concen: 146.817 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:330 Resp: 495813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 76.9 | 115.3 |
| 141 | 28.7 | 25.2 | 37.8 |



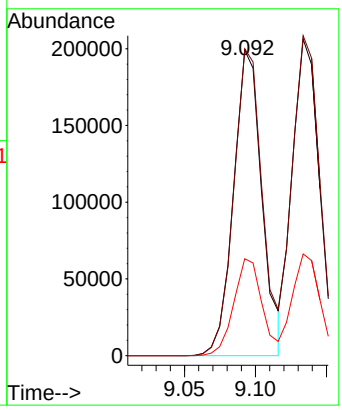


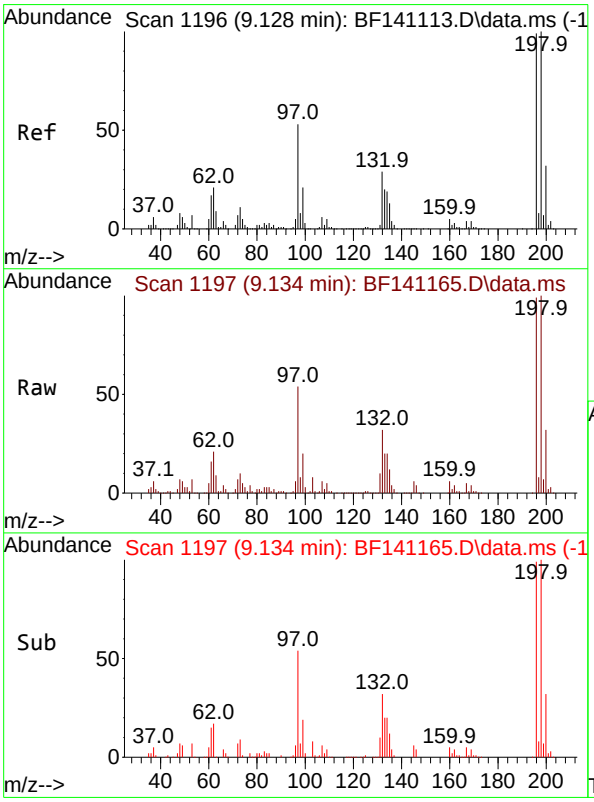

#43
2,4,6-Trichlorophenol
Concen: 48.169 ng
RT: 9.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:196 Resp: 276357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.4 | 80.8 | 121.2 |
| 200 | 31.8 | 25.7 | 38.5 |

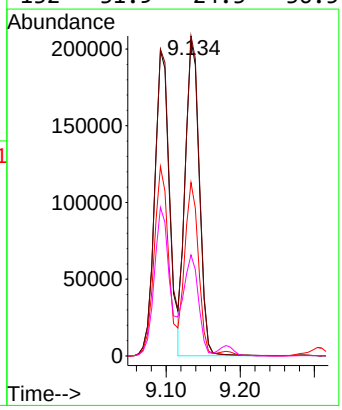


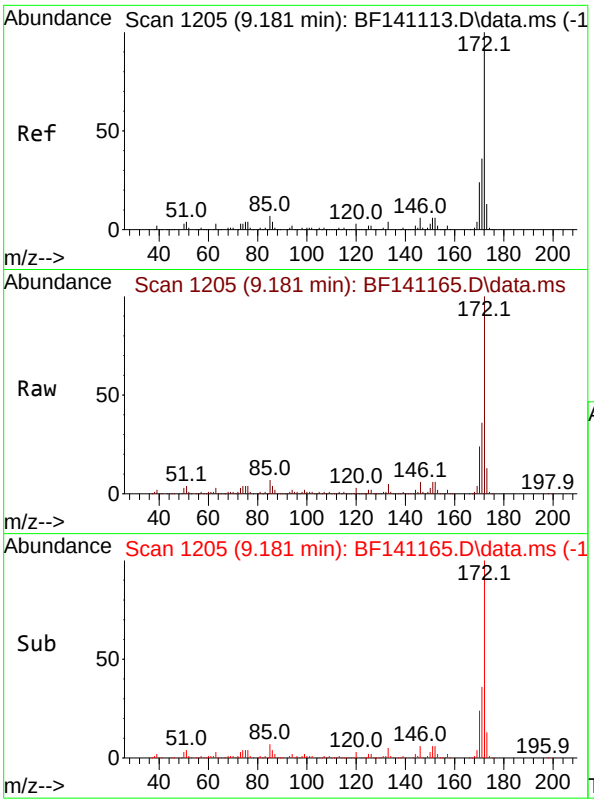




#44
2,4,5-Trichlorophenol
Concen: 44.988 ng
RT: 9.134 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:196 Resp: 272593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.1 | 80.6 | 120.8 |
| 97 | 54.8 | 43.1 | 64.7 |
| 132 | 31.9 | 24.3 | 36.5 |



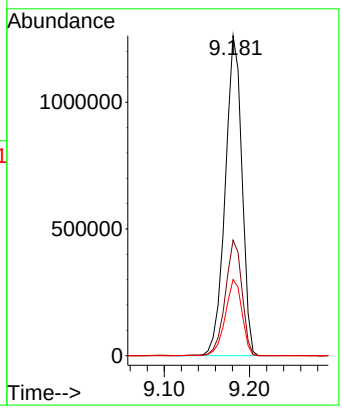


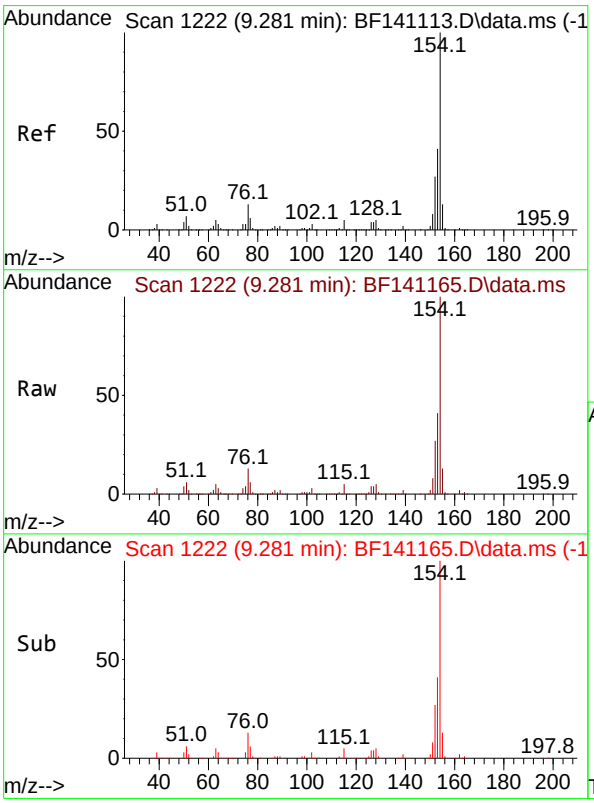

#45
2-Fluorobiphenyl
Concen: 88.547 ng
RT: 9.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:172 Resp: 1718604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 28.7 | 43.1 |
| 170 | 23.8 | 19.0 | 28.6 |

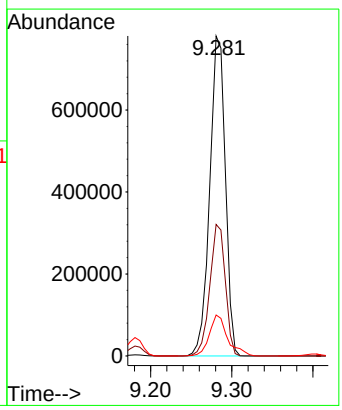


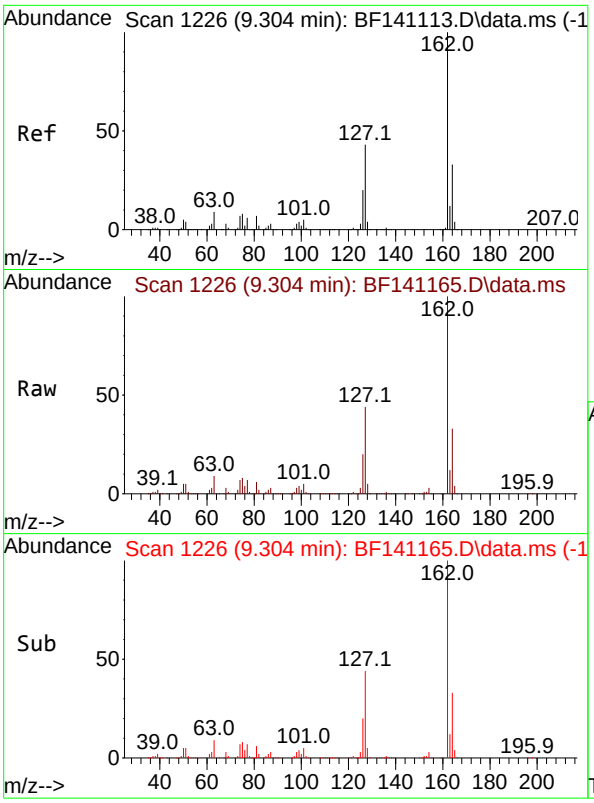




#46
1,1'-Biphenyl
Concen: 45.225 ng
RT: 9.281 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:154 Resp: 1040938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.1 | 20.7 | 60.7 |
| 76 | 12.8 | 0.0 | 33.1 |



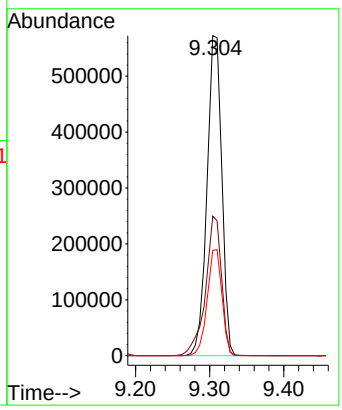


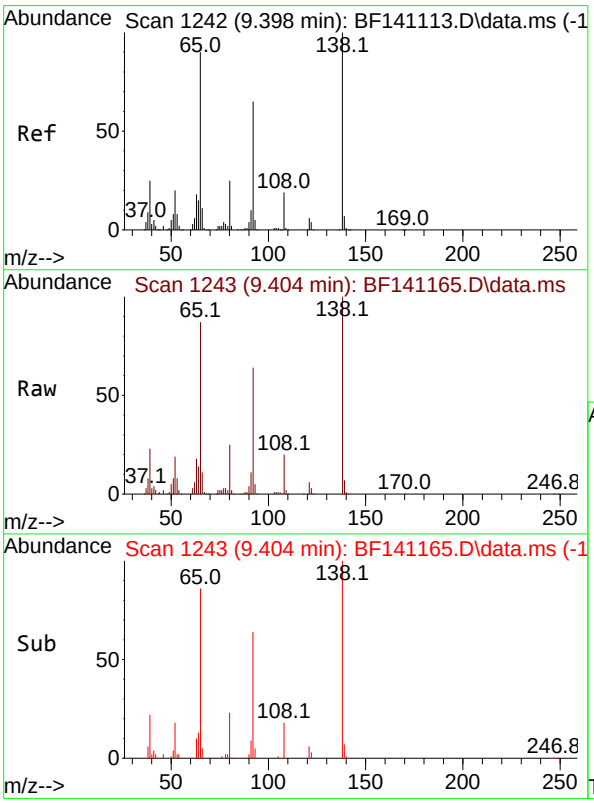

#47
2-Chloronaphthalene
Concen: 44.320 ng
RT: 9.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:162 Resp: 794541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.6 | 34.6 | 51.8 |
| 164 | 33.0 | 26.5 | 39.7 |

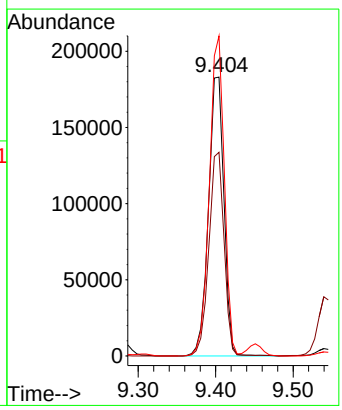


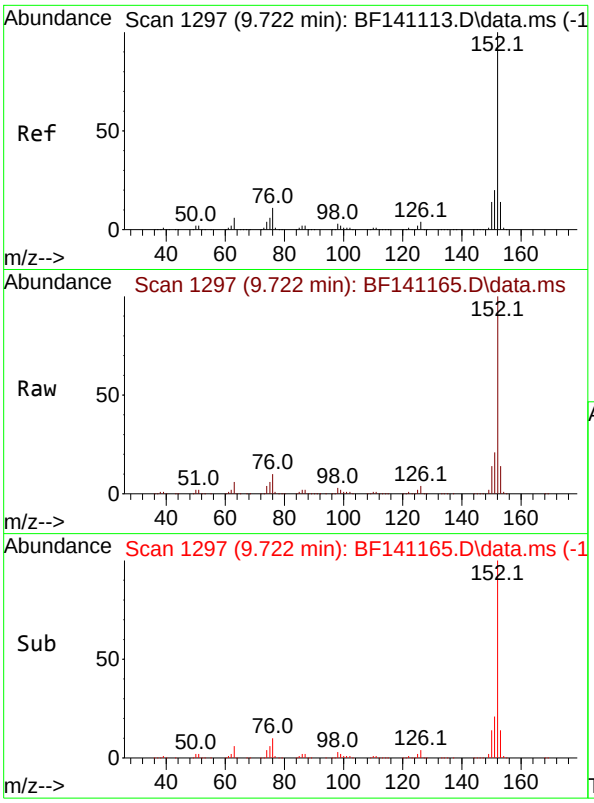




#48
2-Nitroaniline
Concen: 47.818 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion: 65 Resp: 254121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 73.0 | 58.3 | 87.5 |
| 138 | 114.7 | 89.1 | 133.7 |



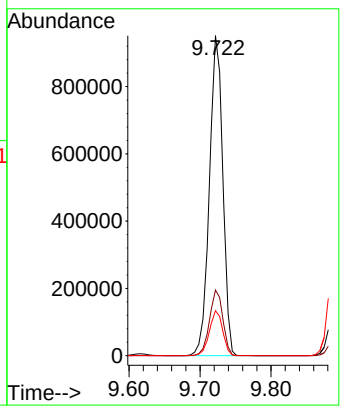


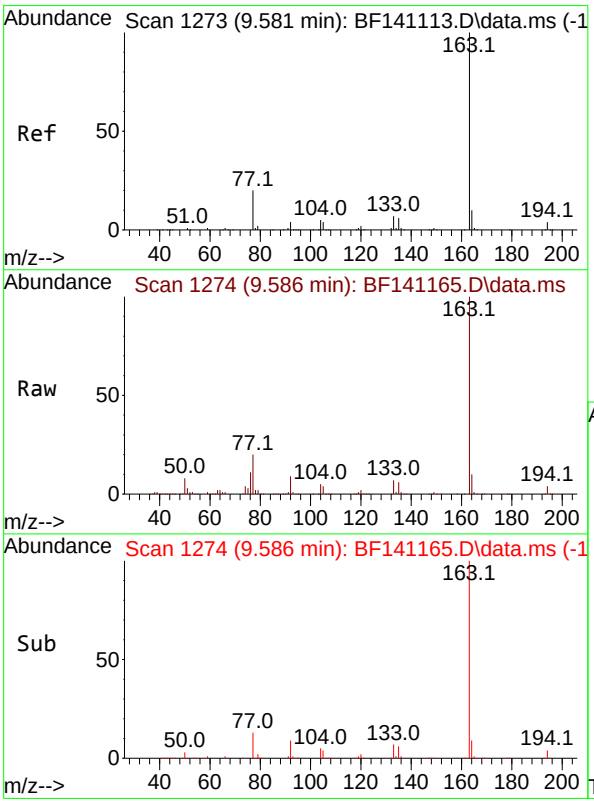

#49
Acenaphthylene
Concen: 48.714 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:152 Resp: 1247717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.1 | 24.1 |
| 153 | 14.1 | 11.1 | 16.7 |

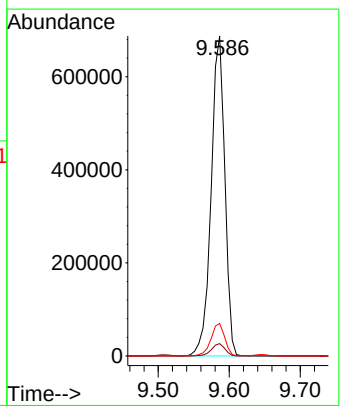


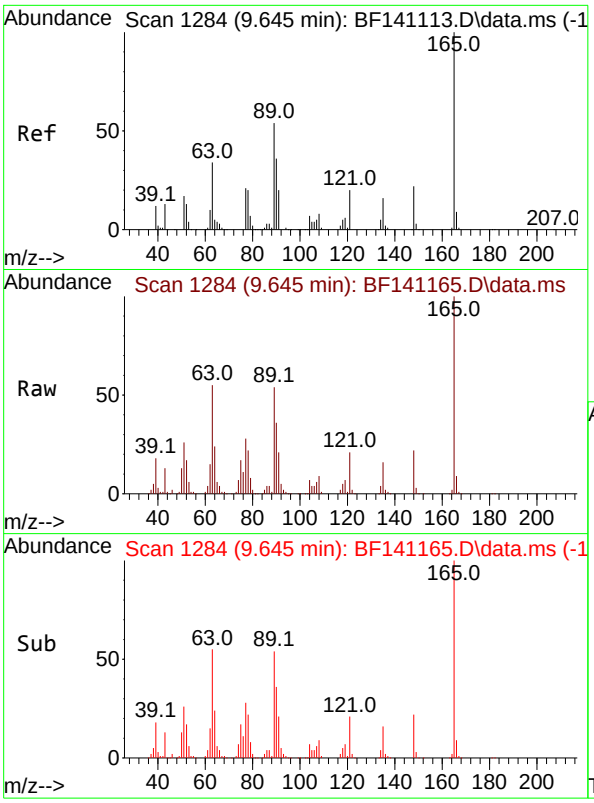




#50
Dimethylphthalate
Concen: 46.219 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:163 Resp: 919633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.0 | 4.6 |
| 164 | 10.1 | 8.2 | 12.4 |



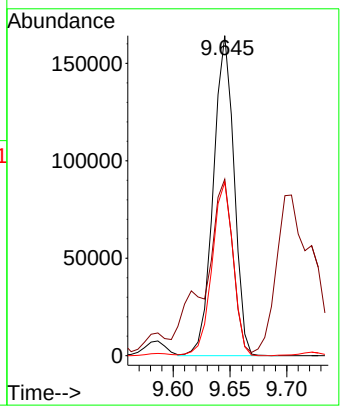


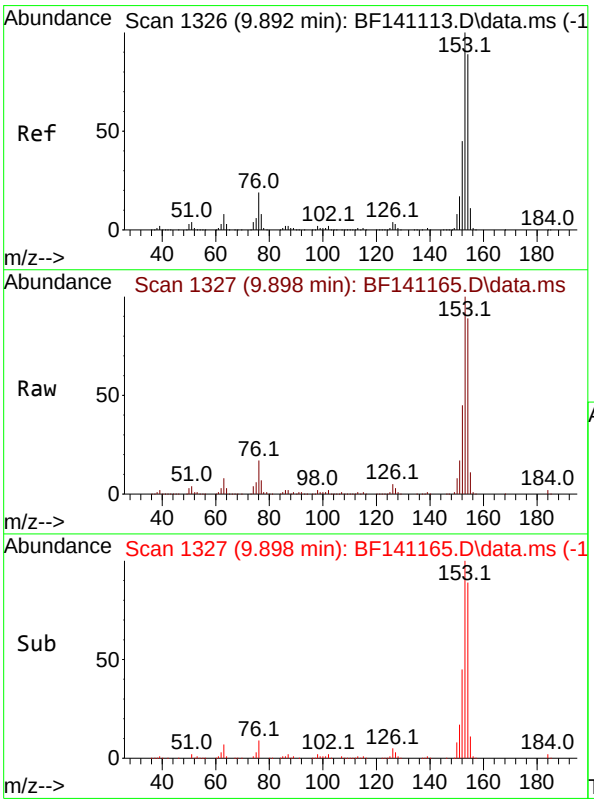

#51
2,6-Dinitrotoluene
Concen: 45.095 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:165 Resp: 208657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 55.2 | 42.3 | 63.5 |
| 89 | 54.2 | 43.1 | 64.7 |

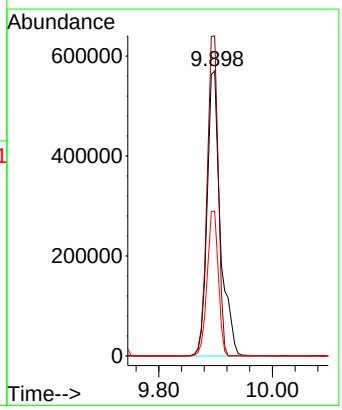


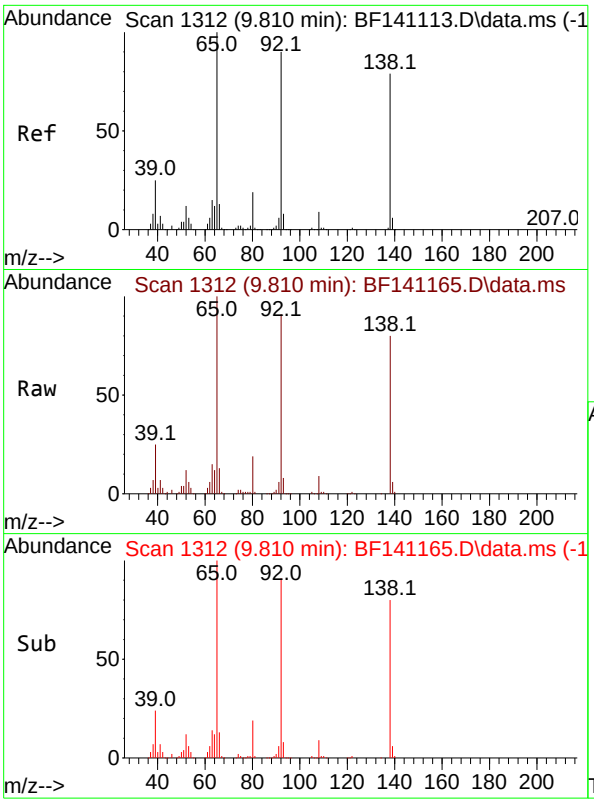




#52
Acenaphthene
Concen: 51.587 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:154 Resp: 923120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.3 | 89.8 | 134.6 |
| 152 | 50.9 | 40.8 | 61.2 |



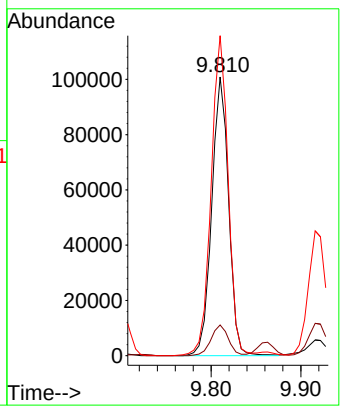


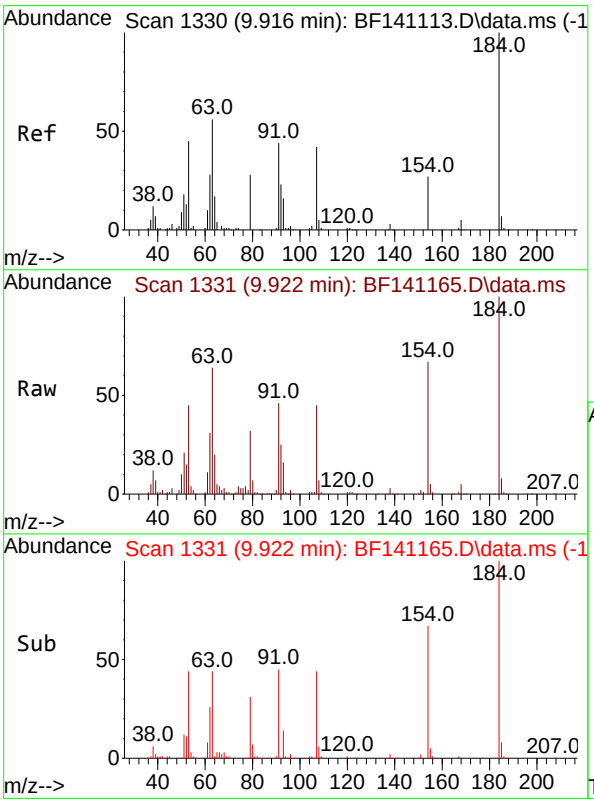

#53
3-Nitroaniline
Concen: 28.088 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:138 Resp: 132071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.1 | 8.8 | 13.2 |
| 92 | 114.8 | 91.3 | 136.9 |

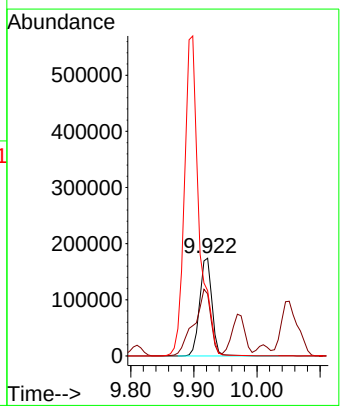


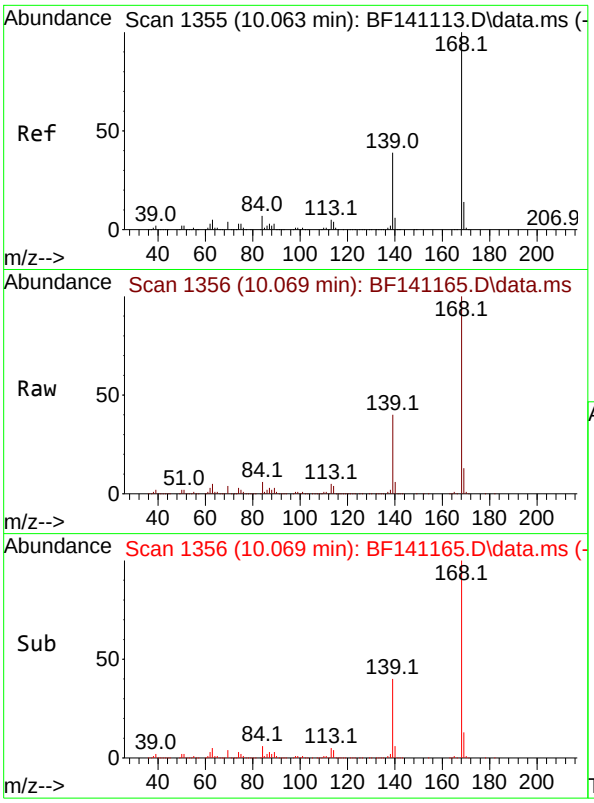




#54
2,4-Dinitrophenol
Concen: 107.198 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:184 Resp: 235763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 63.5 | 48.7 | 73.1 |
| 154 | 66.8 | 57.1 | 85.7 |



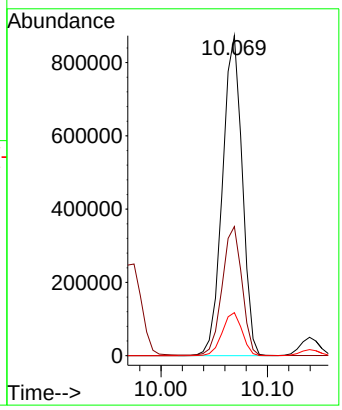


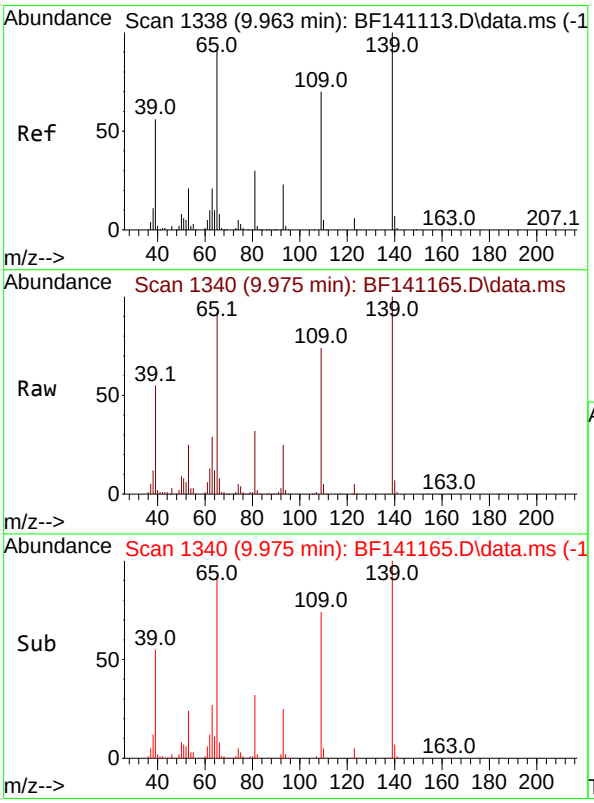

#55
Dibenzofuran
Concen: 46.212 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:168 Resp: 1124811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.3 | 31.4 | 47.0 |
| 169 | 13.5 | 10.9 | 16.3 |

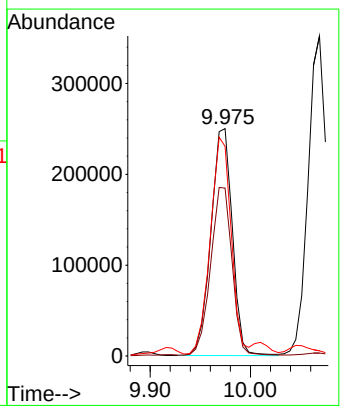


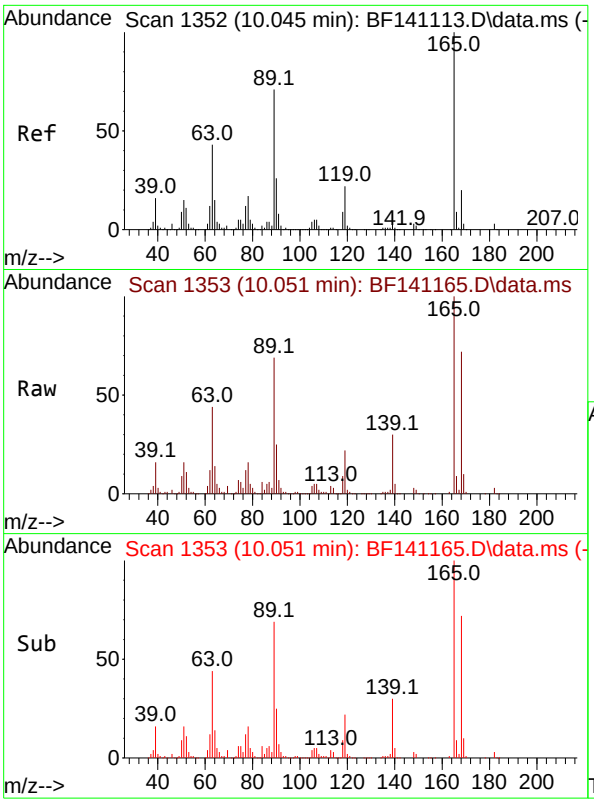




#56
4-Nitrophenol
Concen: 100.786 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.012 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:139 Resp: 371142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 73.8 | 50.2 | 90.2 |
| 65 | 92.2 | 72.1 | 112.1 |



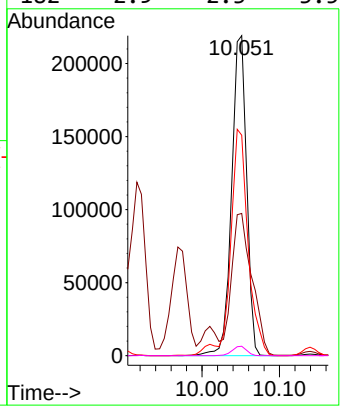


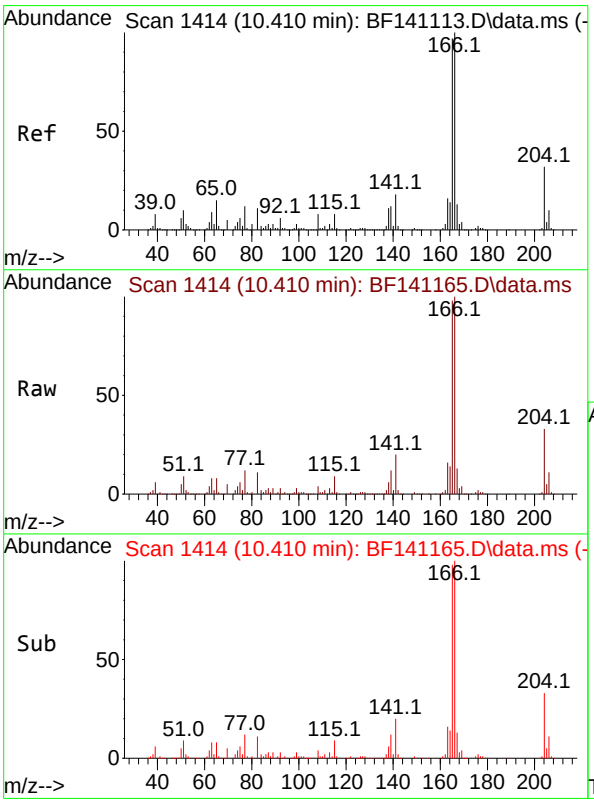

#57
2,4-Dinitrotoluene
Concen: 49.452 ng
RT: 10.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:165 Resp: 294883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 44.5 | 35.0 | 52.4 |
| 89 | 68.9 | 56.7 | 85.1 |
| 182 | 2.9 | 2.3 | 3.5 |

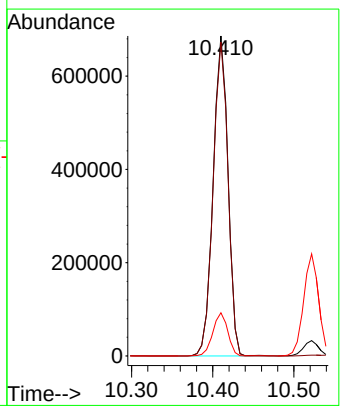


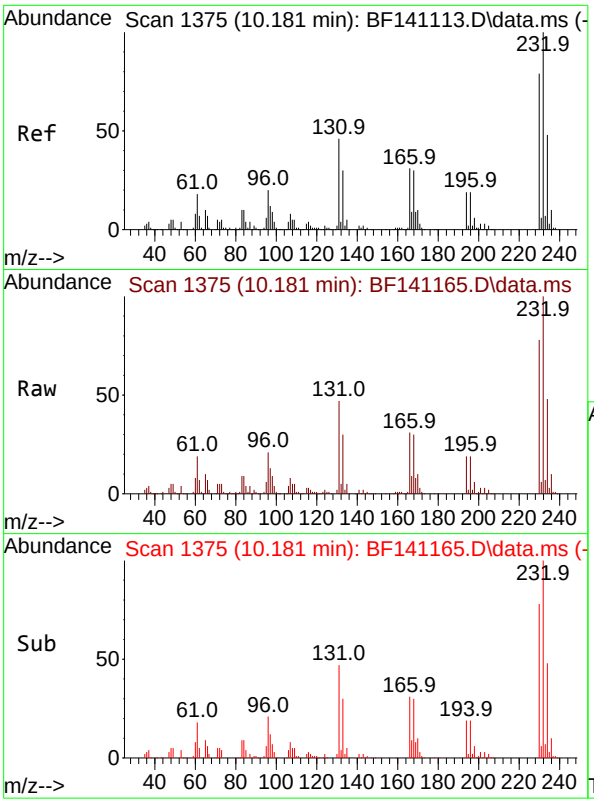




#58
Fluorene
Concen: 46.277 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:166 Resp: 875091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.1 | 77.8 | 116.8 |
| 167 | 13.5 | 10.8 | 16.2 |



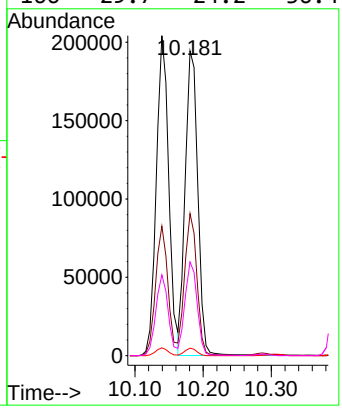


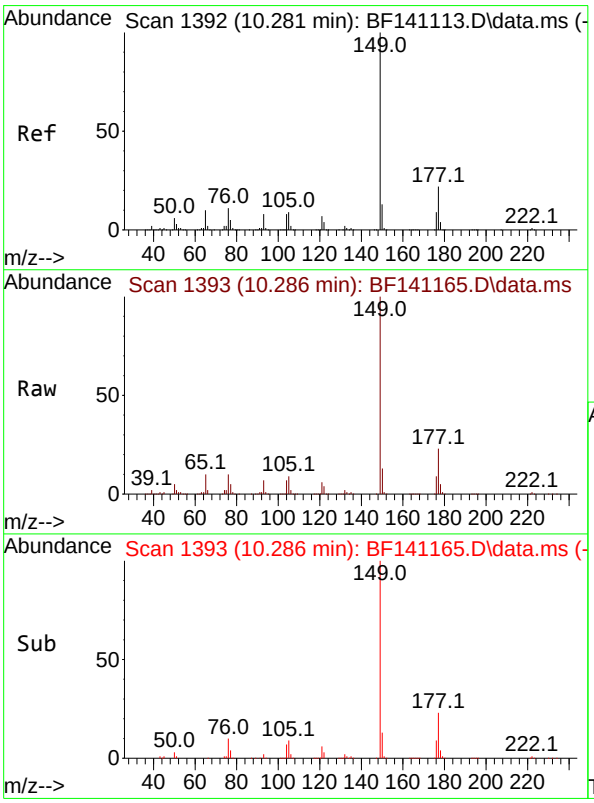

#59
2,3,4,6-Tetrachlorophenol
Concen: 49.226 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:232 Resp: 247930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.2 | 36.2 | 54.4 |
| 130 | 2.3 | 2.0 | 3.0 |
| 166 | 29.7 | 24.2 | 36.4 |

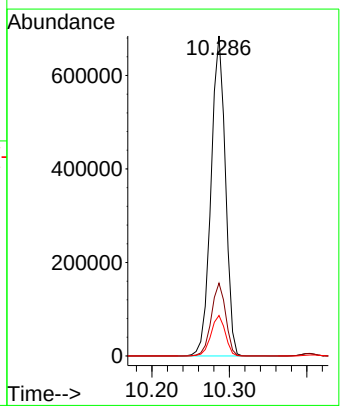


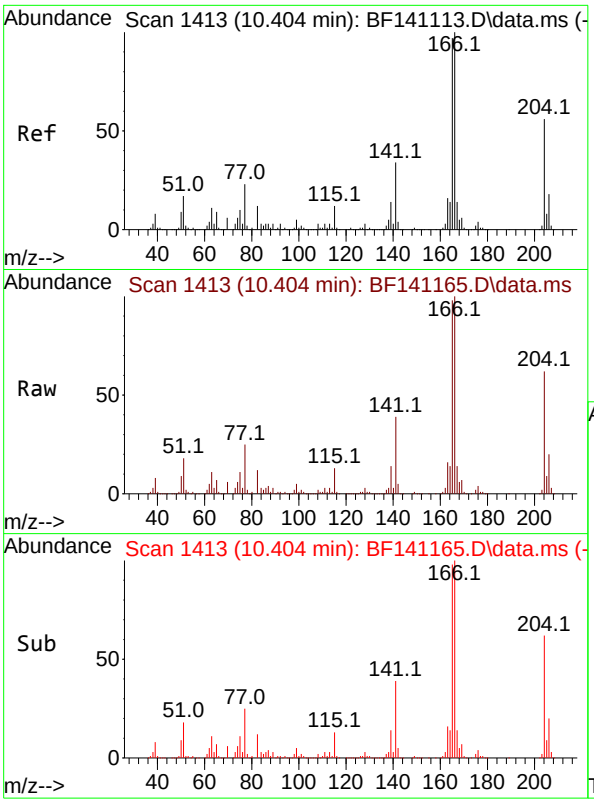




#60
Diethylphthalate
Concen: 45.376 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:149 Resp: 881421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.7 | 17.9 | 26.9 |
| 150 | 12.7 | 10.2 | 15.2 |



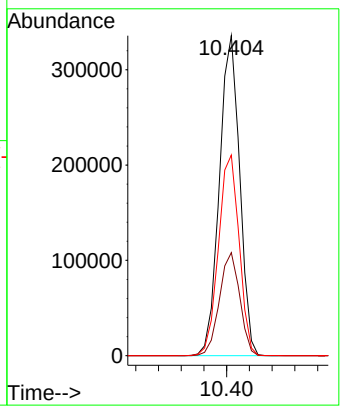


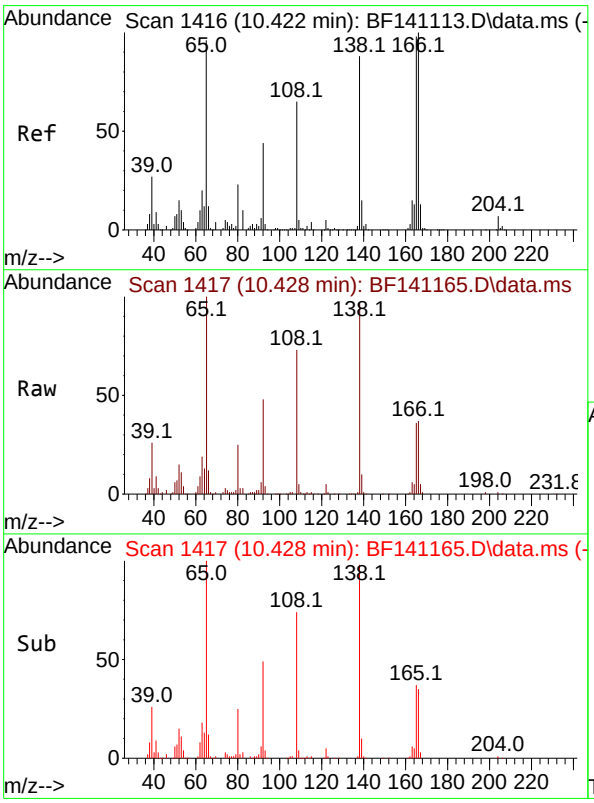

#61
4-Chlorophenyl-phenylether
Concen: 45.177 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:204 Resp: 416366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.2 | 25.9 | 38.9 |
| 141 | 62.7 | 49.1 | 73.7 |

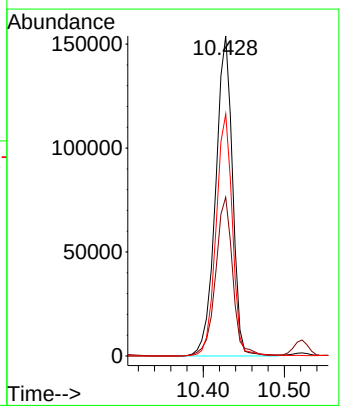


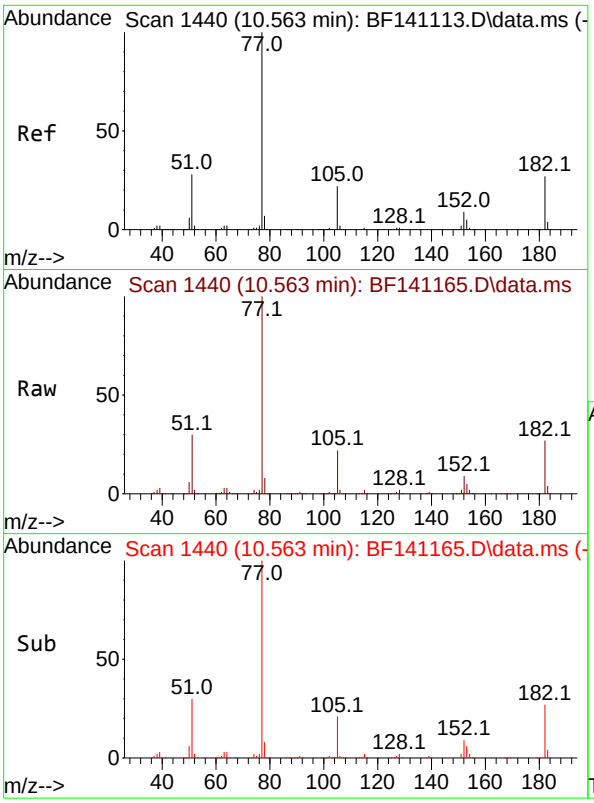




#62
4-Nitroaniline
Concen: 48.524 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:138 Resp: 223312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.6 | 29.4 | 69.4 |
| 108 | 75.6 | 53.7 | 93.7 |



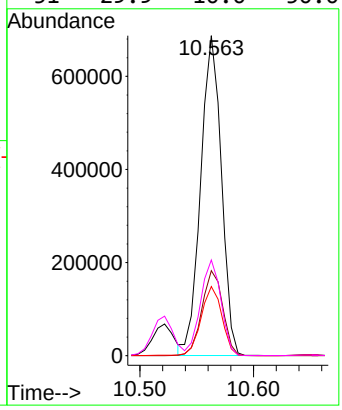


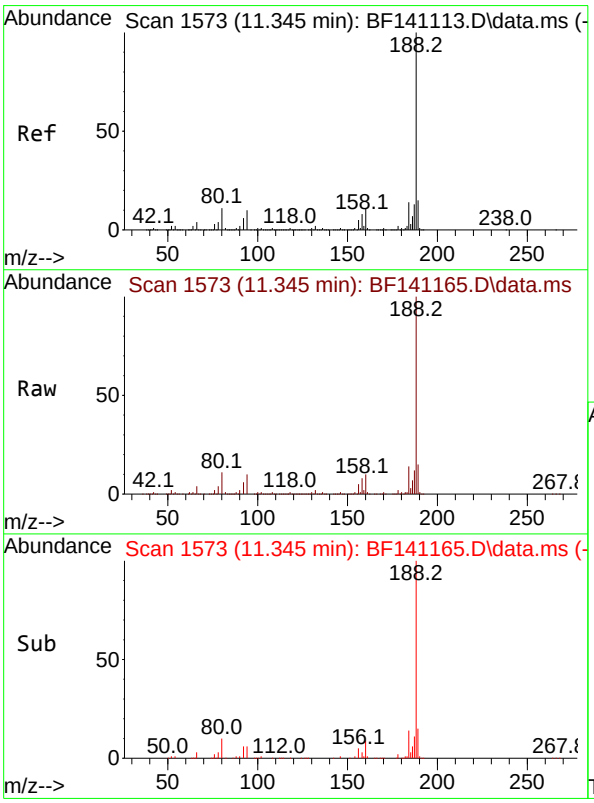

#63
Azobenzene
Concen: 45.387 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion: 77 Resp: 869933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.6 | 6.1 | 46.1 |
| 105 | 21.6 | 2.1 | 42.1 |
| 51 | 29.9 | 10.0 | 50.0 |

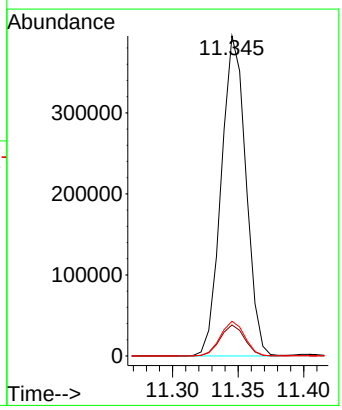


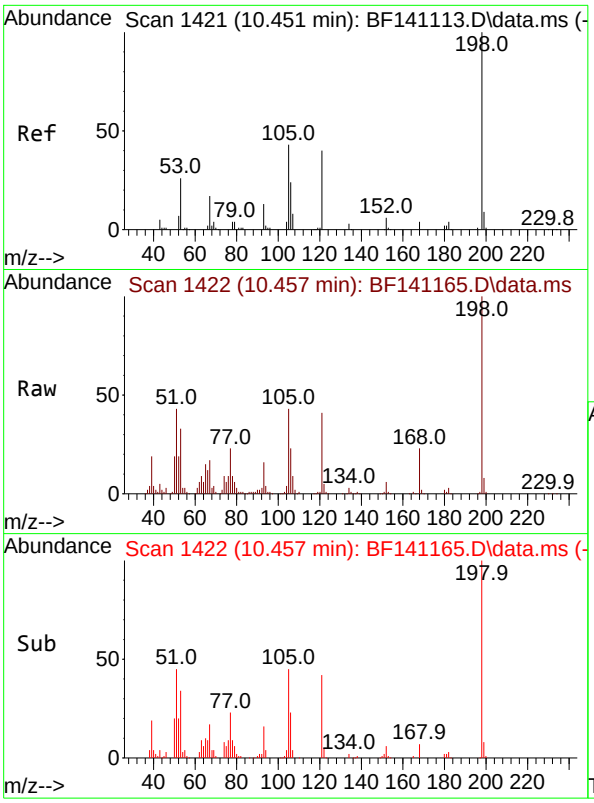




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:188 Resp: 515619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.7 | 8.3 | 12.5 |
| 80 | 10.9 | 9.0 | 13.4 |



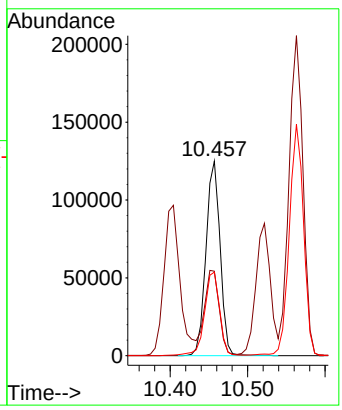


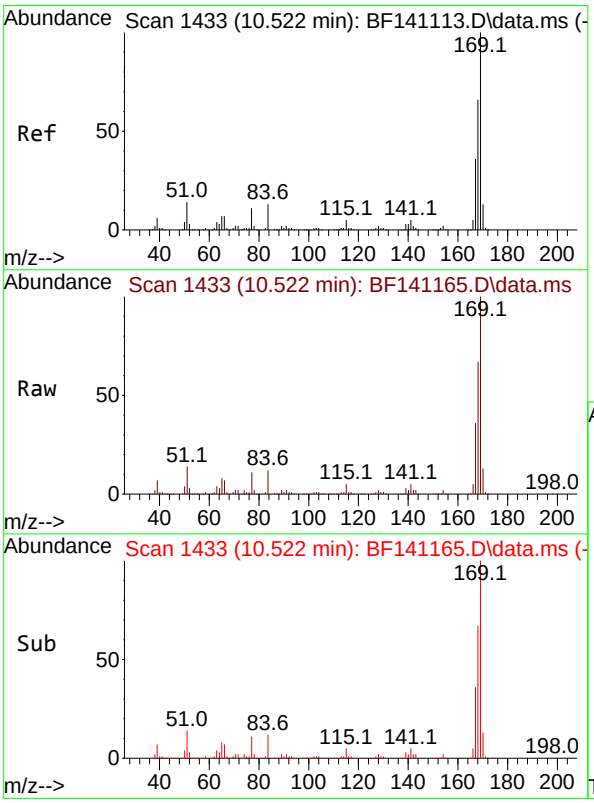

#65
4,6-Dinitro-2-methylphenol
Concen: 53.041 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:198 Resp: 158478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 43.5 | 27.1 | 67.1 |
| 105 | 43.0 | 24.2 | 64.2 |

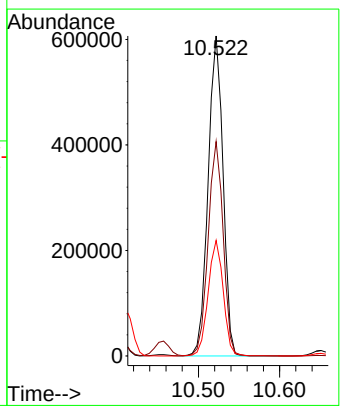


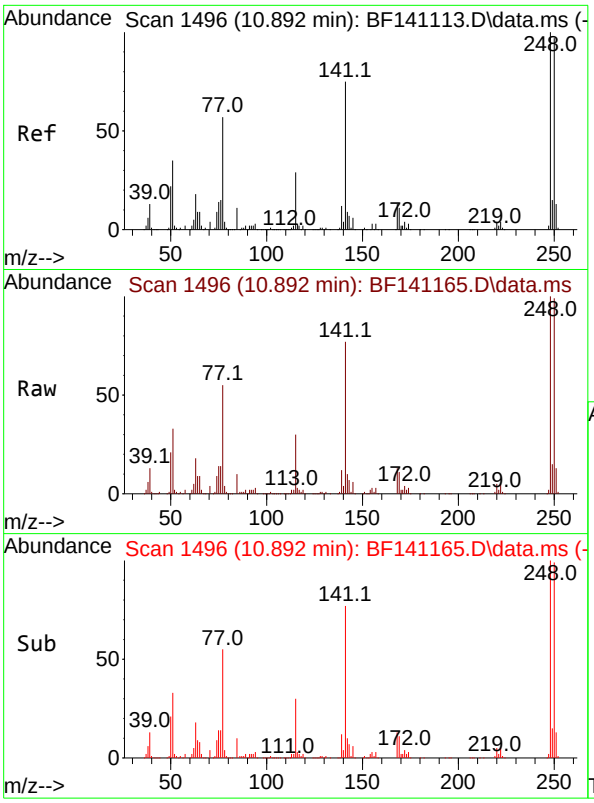




#66
n-Nitrosodiphenylamine
Concen: 46.419 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:169 Resp: 771997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.0 | 52.5 | 78.7 |
| 167 | 36.1 | 28.9 | 43.3 |



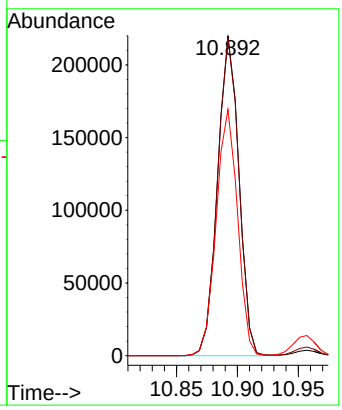


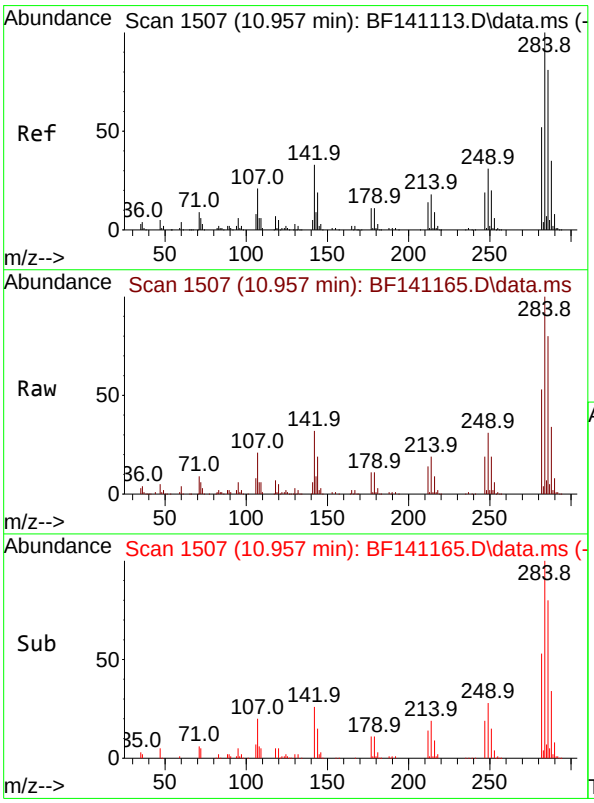

#67
4-Bromophenyl-phenylether
Concen: 45.353 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:248 Resp: 269230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.2 | 77.9 | 116.9 |
| 141 | 76.9 | 59.9 | 89.9 |

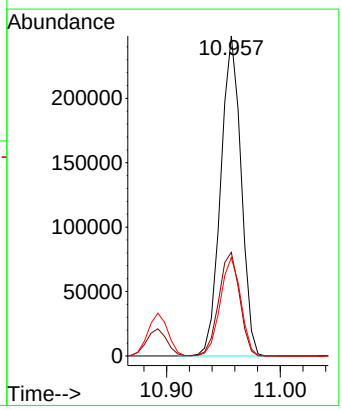


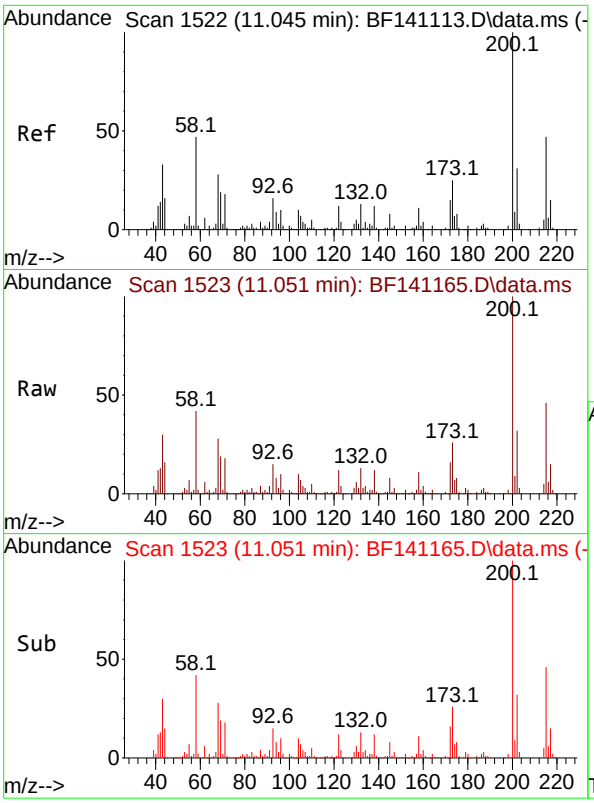




#68
Hexachlorobenzene
Concen: 46.838 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:284 Resp: 309514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.4 | 26.3 | 39.5 |
| 249 | 30.7 | 24.9 | 37.3 |



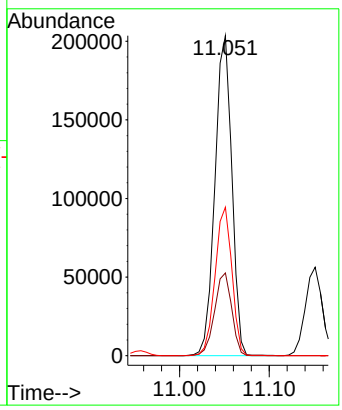


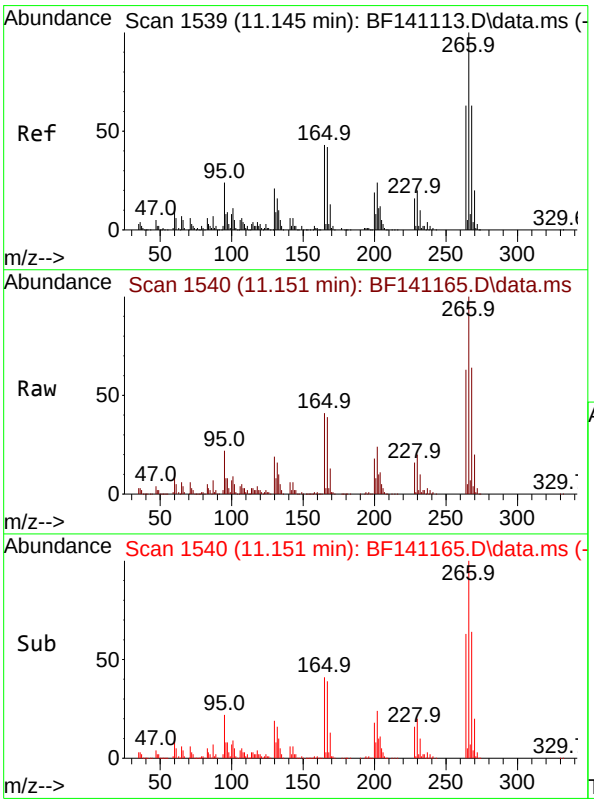

#69
Atrazine
Concen: 59.388 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:200 Resp: 265941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.8 | 5.4 | 45.4 |
| 215 | 46.4 | 26.6 | 66.6 |

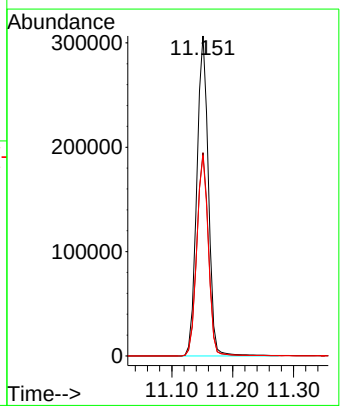


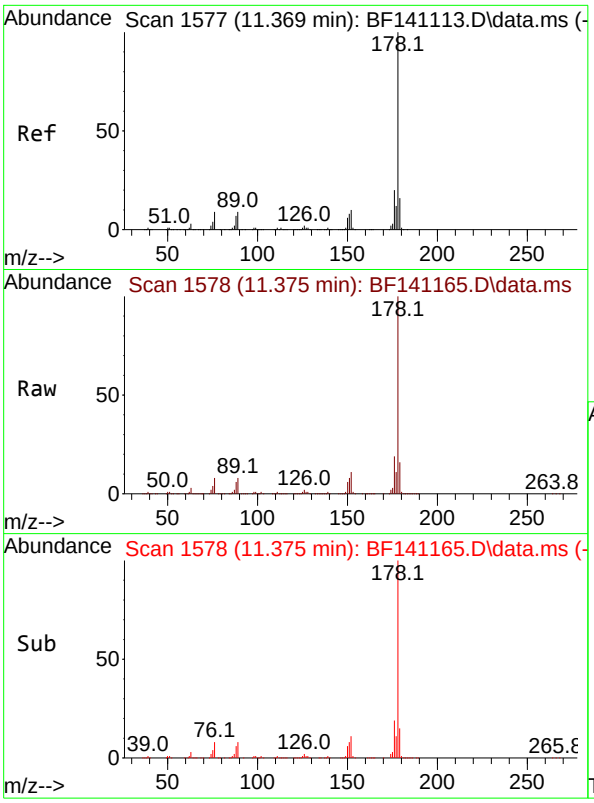




#70
Pentachlorophenol
Concen: 95.622 ng
RT: 11.151 min Scan# 1540
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:266 Resp: 404666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.6 | 50.4 | 75.6 |
| 264 | 62.7 | 50.2 | 75.2 |



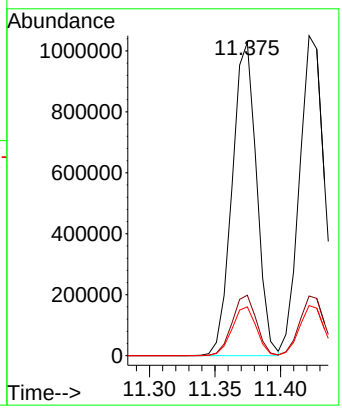


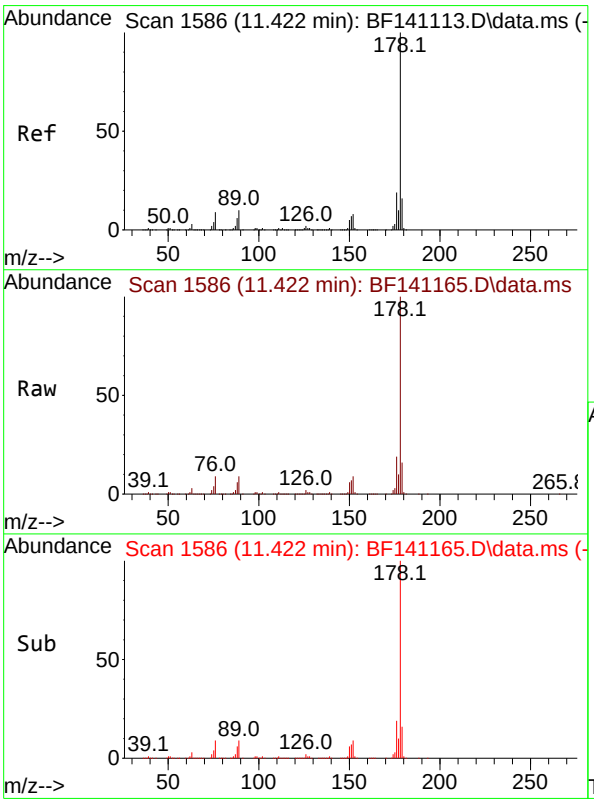

#71
Phenanthrene
Concen: 48.152 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:178 Resp: 1332947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.7 | 23.5 |
| 179 | 15.6 | 12.6 | 19.0 |

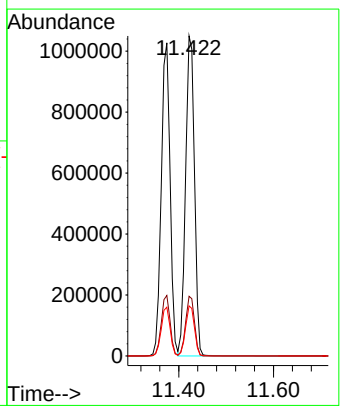


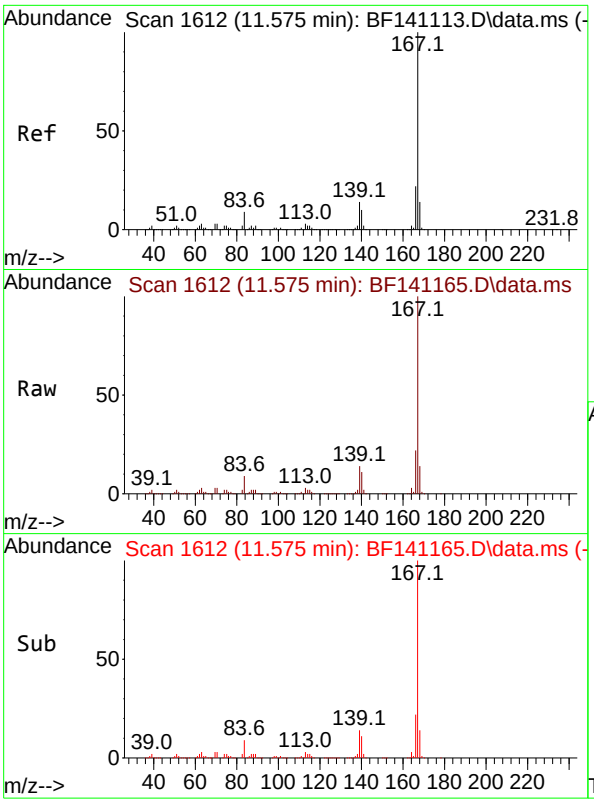




#72
Anthracene
Concen: 50.816 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:178 Resp: 1367788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 14.9 | 22.3 |
| 179 | 15.7 | 12.6 | 19.0 |



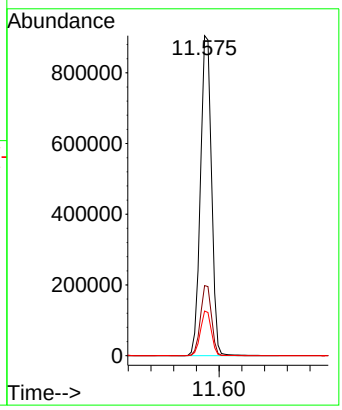


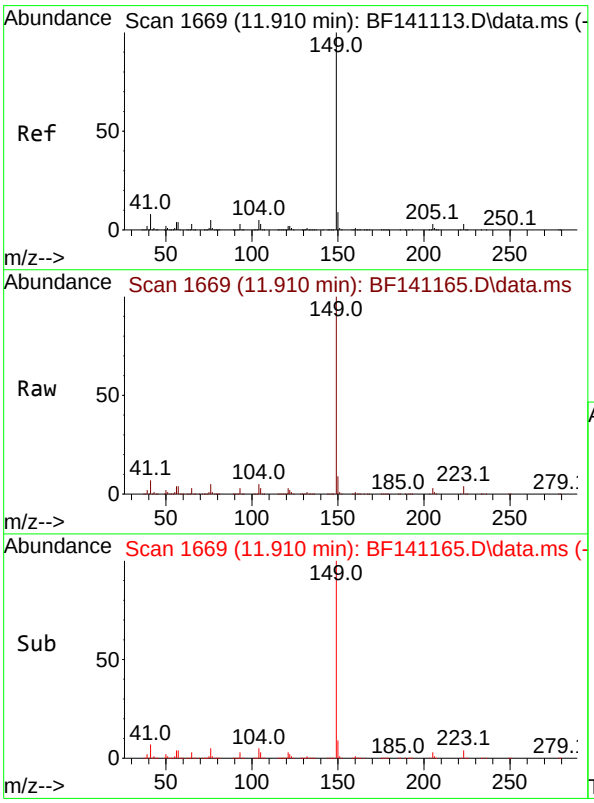

#73
Carbazole
Concen: 49.571 ng
RT: 11.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:167 Resp: 1223450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.9 | 17.4 | 26.2 |
| 139 | 13.9 | 10.9 | 16.3 |

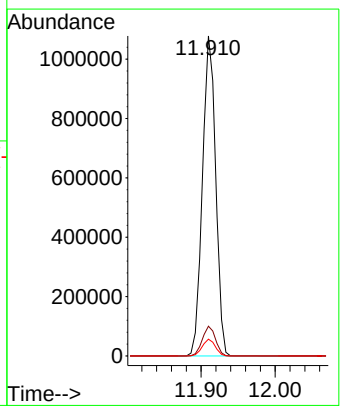


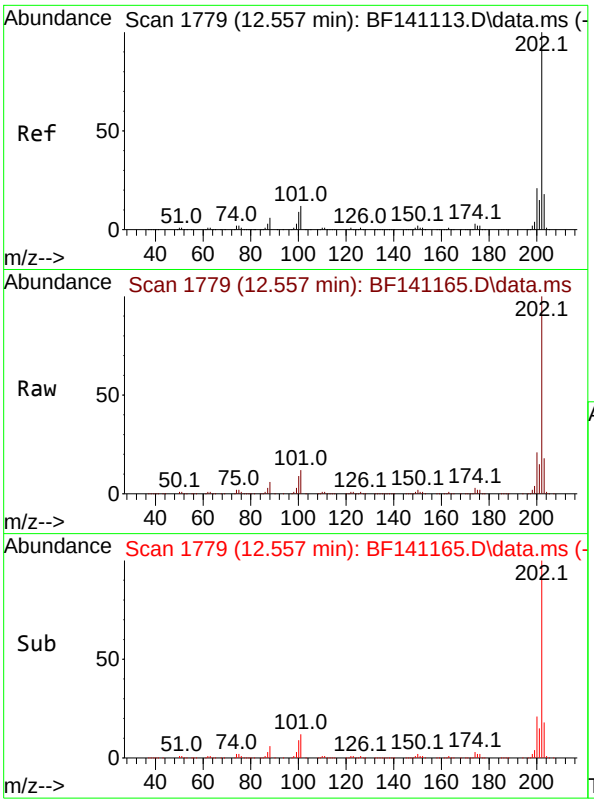




#74
Di-n-butylphthalate
Concen: 47.390 ng
RT: 11.910 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:149 Resp: 1338545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.4 | 11.2 |
| 104 | 5.2 | 4.2 | 6.2 |



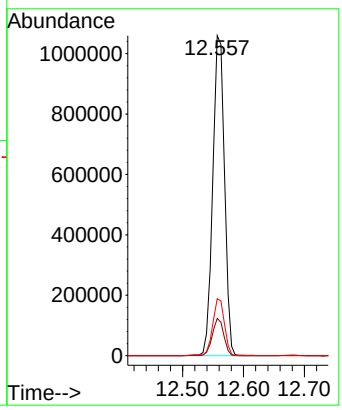


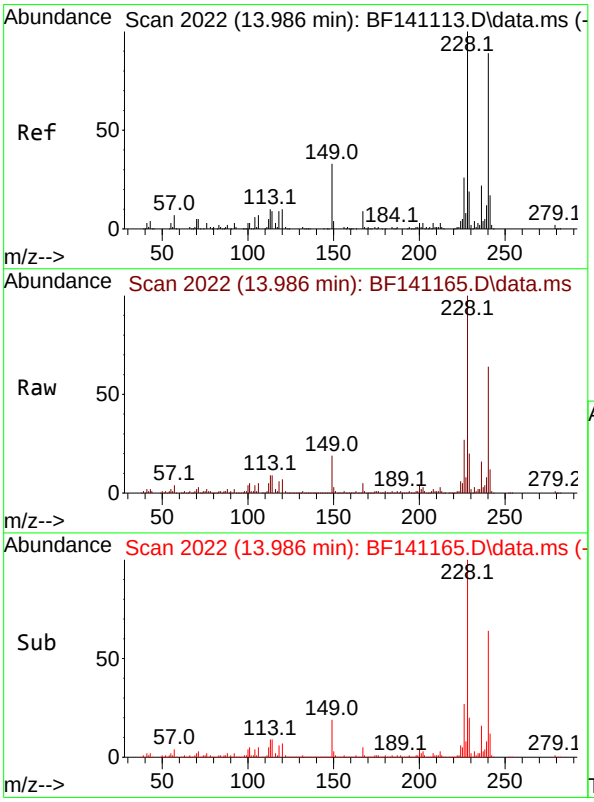

#75
Fluoranthene
Concen: 51.371 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:202 Resp: 1419075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.7 | 0.0 | 32.3 |
| 203 | 17.8 | 0.0 | 37.7 |

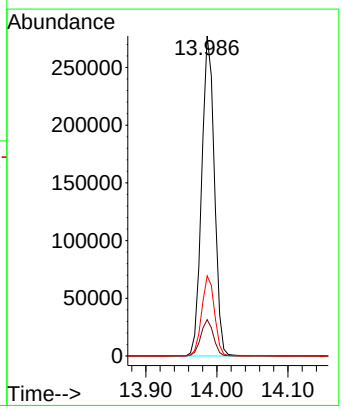


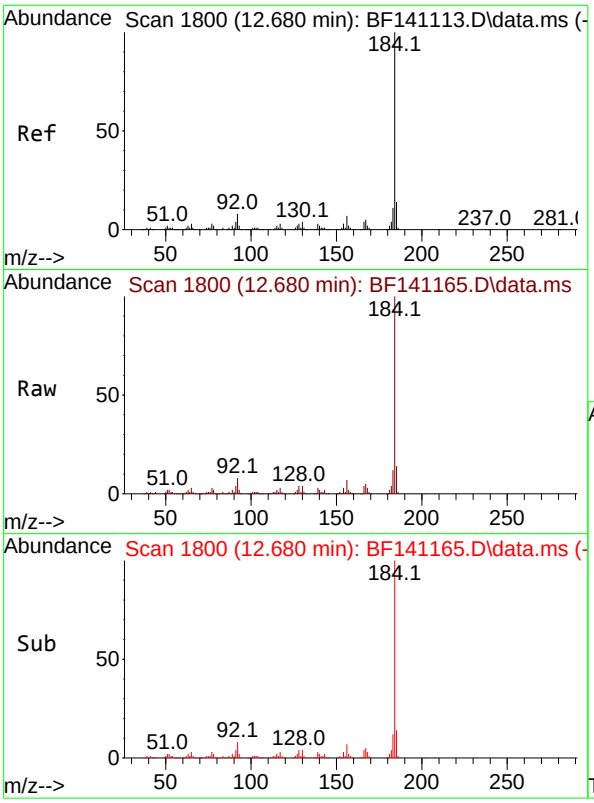




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:240 Resp: 346259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.3 | 9.1 | 13.7 |
| 236 | 25.1 | 19.8 | 29.6 |



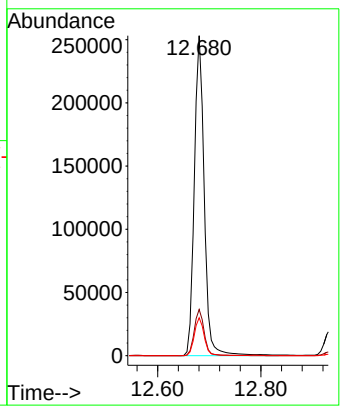


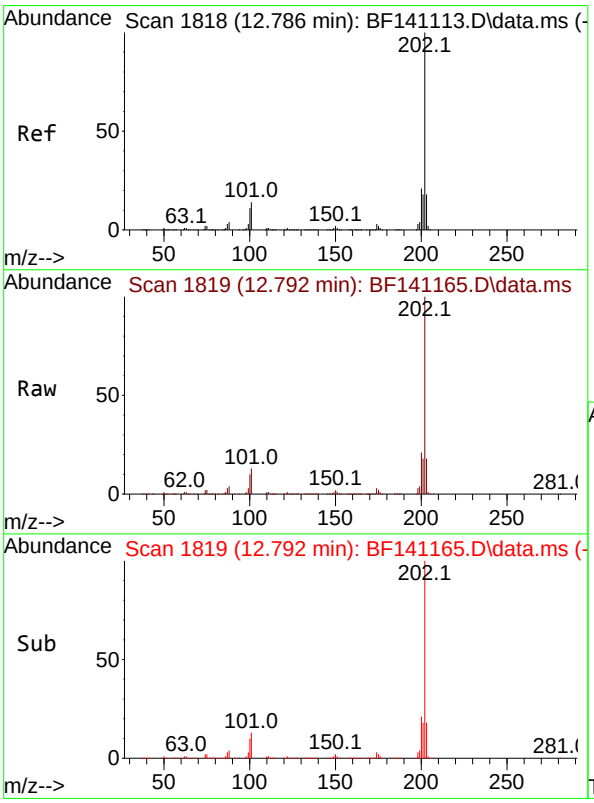

#77
Benzidine
Concen: 52.610 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:184 Resp: 337816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.5 | 11.4 | 17.0 |
| 183 | 11.9 | 9.2 | 13.8 |

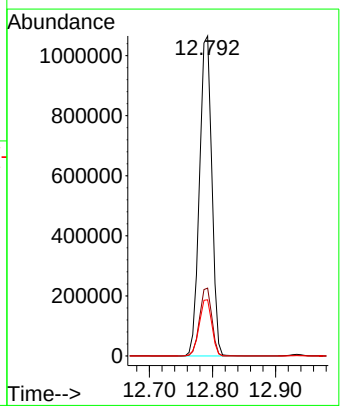


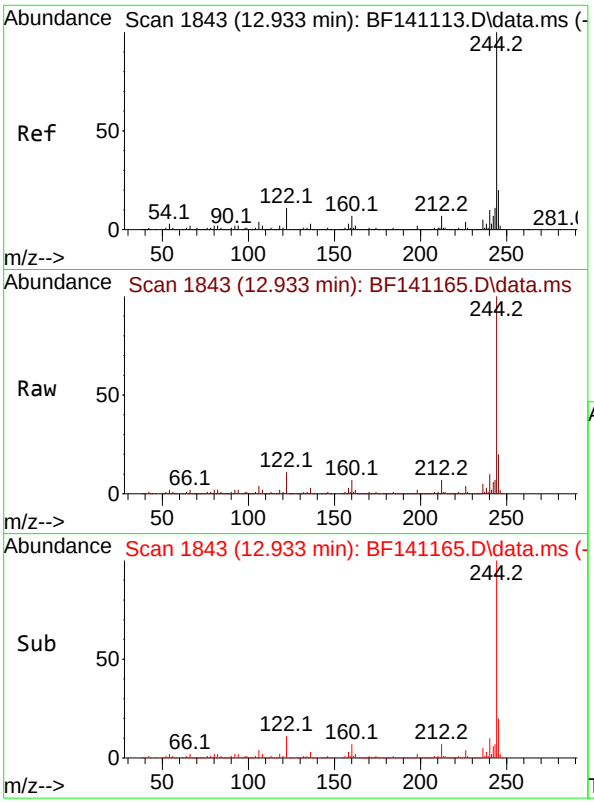




#78
Pyrene
Concen: 43.609 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:202 Resp: 1442231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 16.8 | 25.2 |
| 203 | 17.5 | 14.3 | 21.5 |



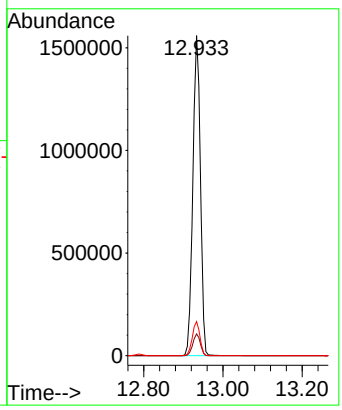


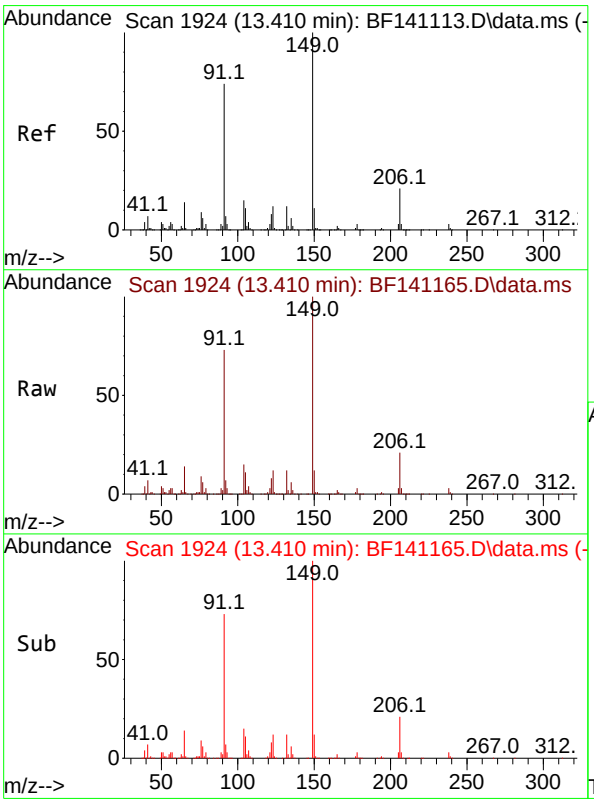

#79
Terphenyl-d14
Concen: 88.698 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:244 Resp: 2066373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.4 | 8.2 |
| 122 | 10.7 | 8.8 | 13.2 |

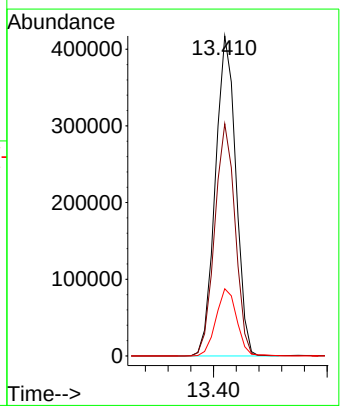


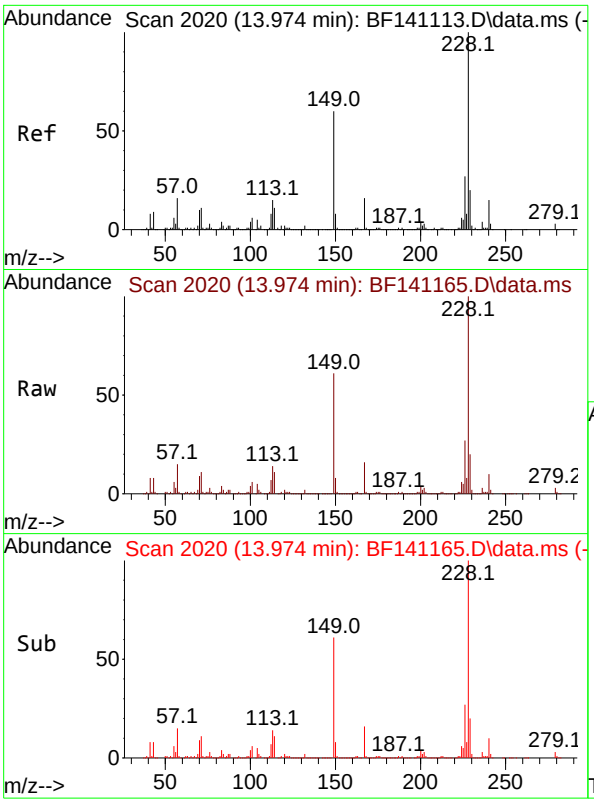




#80
Butylbenzylphthalate
Concen: 47.451 ng
RT: 13.410 min Scan# 1924
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:149 Resp: 523212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.6 | 59.0 | 88.6 |
| 206 | 21.0 | 16.5 | 24.7 |



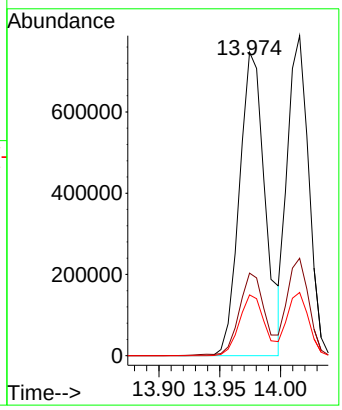


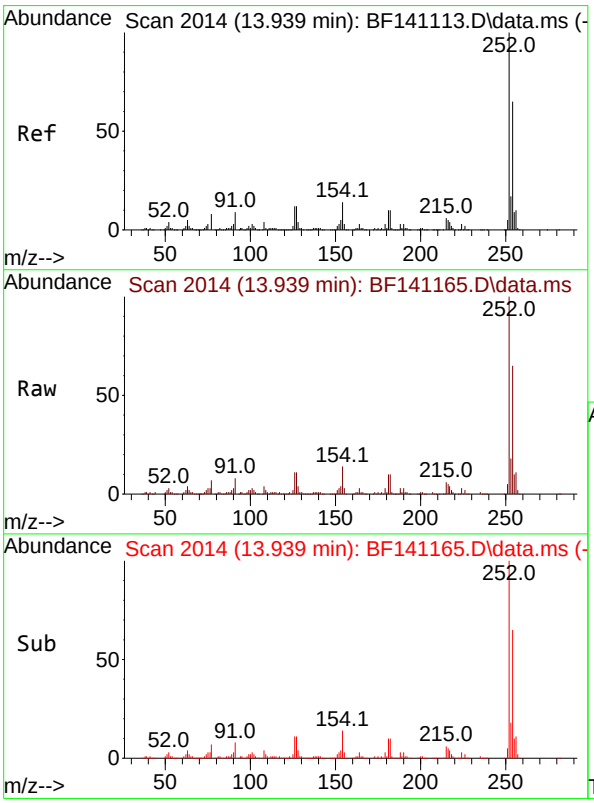

#81
Benzo(a)anthracene
Concen: 46.825 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:228 Resp: 1103435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.2 | 21.7 | 32.5 |
| 229 | 20.1 | 15.7 | 23.5 |

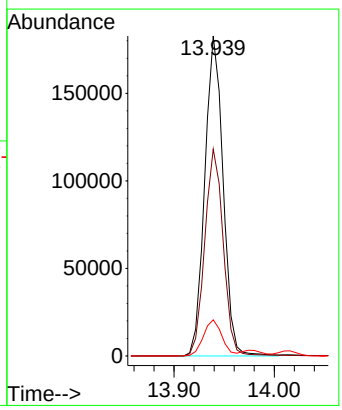


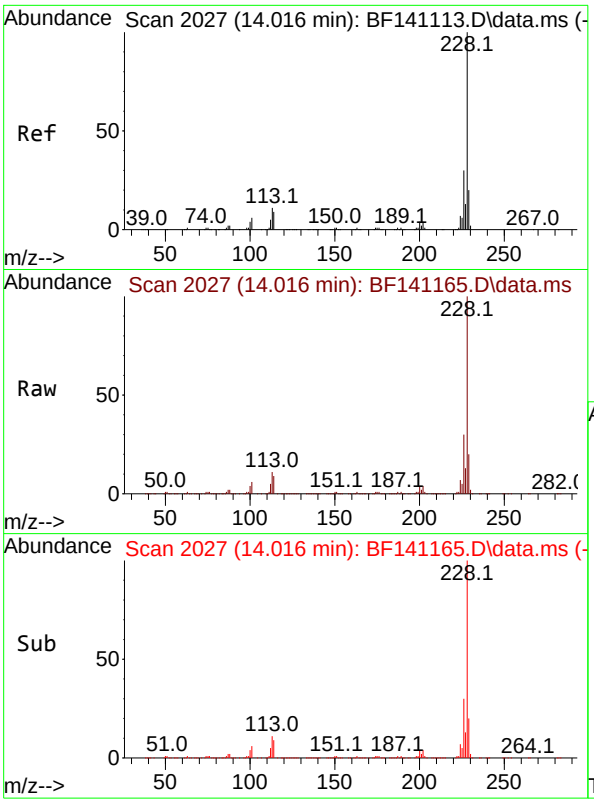




#82
3,3'-Dichlorobenzidine
Concen: 31.049 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:252 Resp: 232976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.7 | 52.0 | 78.0 |
| 126 | 11.3 | 9.4 | 14.0 |



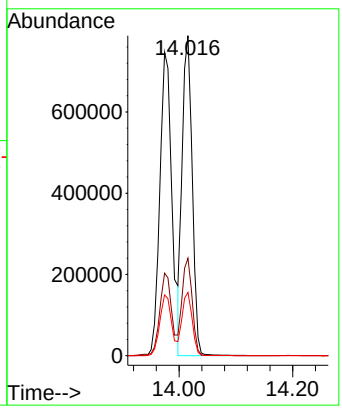


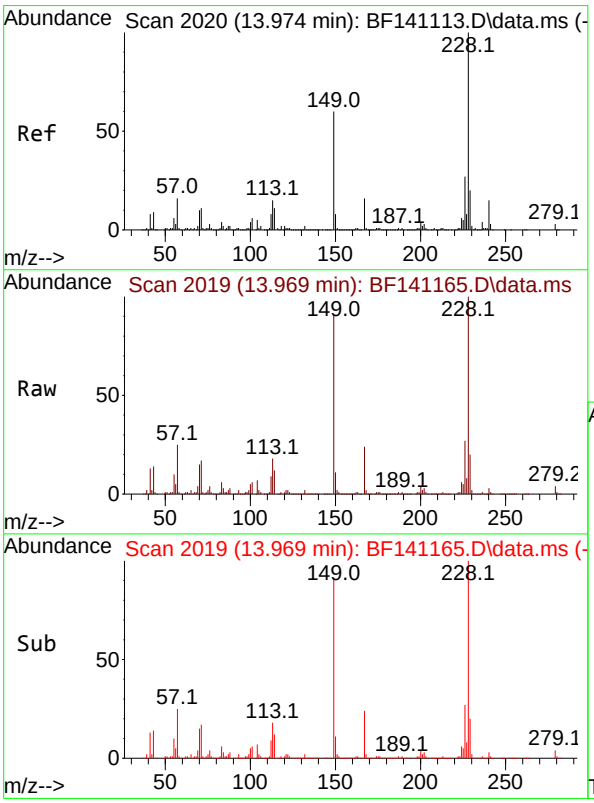

#83
Chrysene
Concen: 43.571 ng
RT: 14.016 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:228 Resp: 960710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 23.8 | 35.8 |
| 229 | 19.8 | 15.8 | 23.8 |

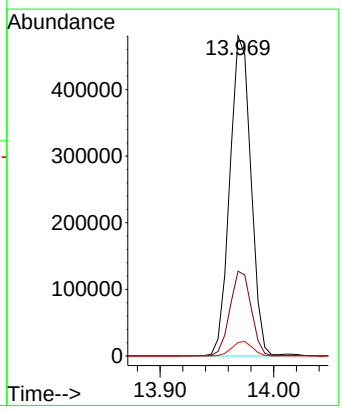


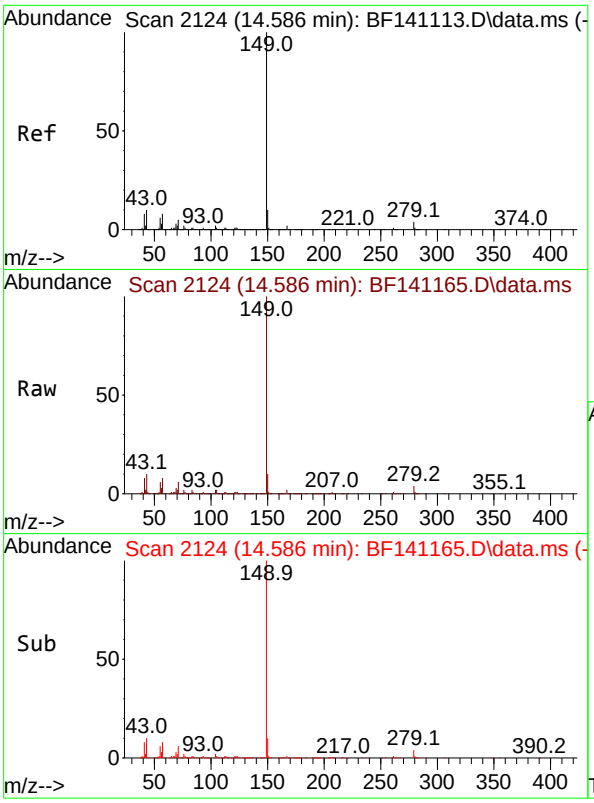




#84
Bis(2-ethylhexyl)phthalate
Concen: 46.753 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:149 Resp: 618547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.5 | 21.4 | 32.2 |
| 279 | 4.2 | 3.4 | 5.2 |



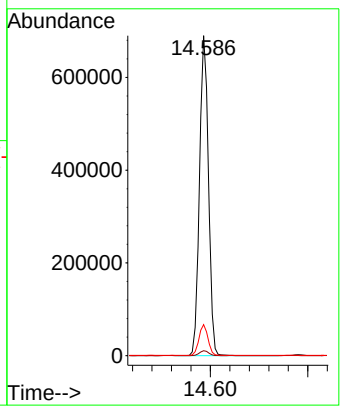


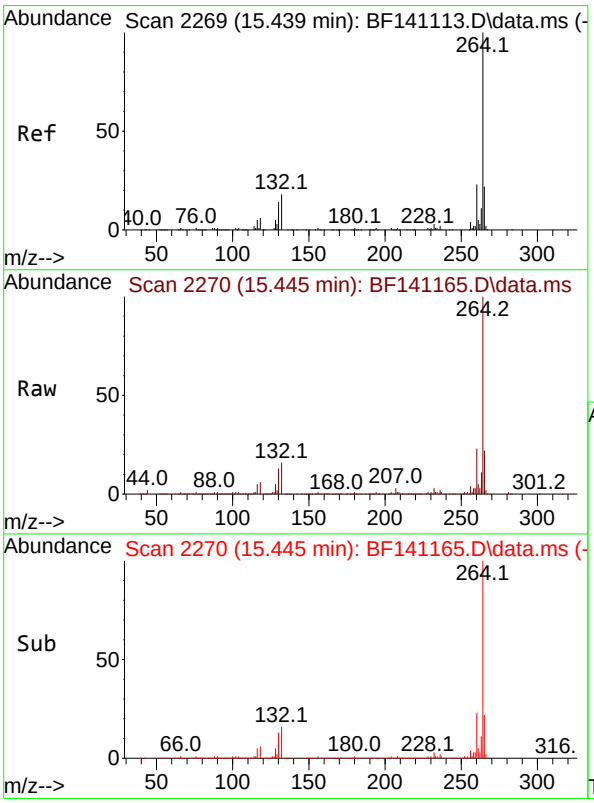

#85
Di-n-octyl phthalate
Concen: 44.131 ng
RT: 14.586 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:149 Resp: 881680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.7 | 8.4 | 12.6 |

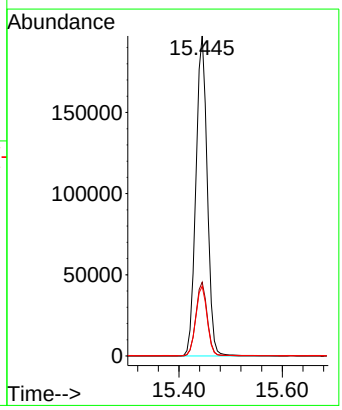


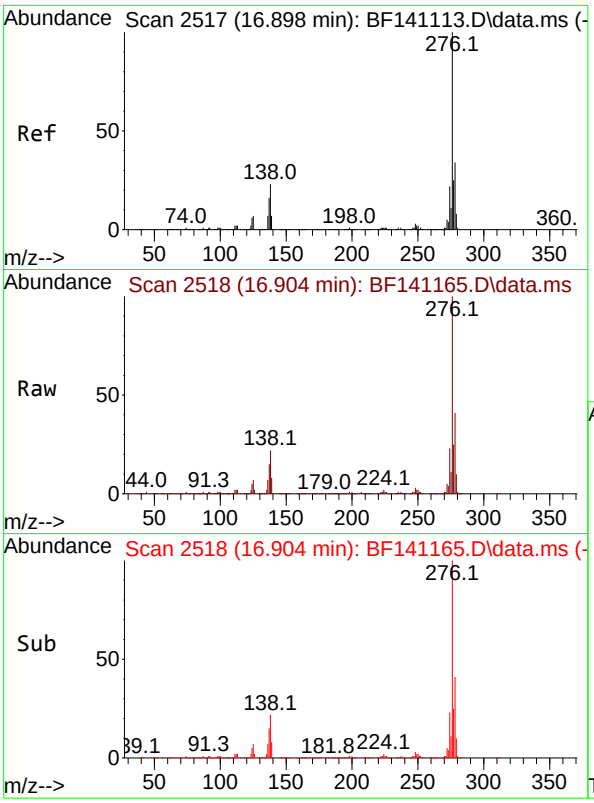




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:264 Resp: 300143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 18.6 | 28.0 |
| 265 | 21.8 | 17.4 | 26.0 |



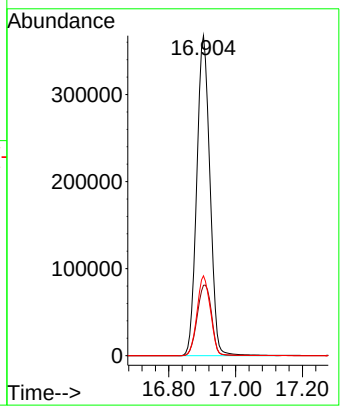


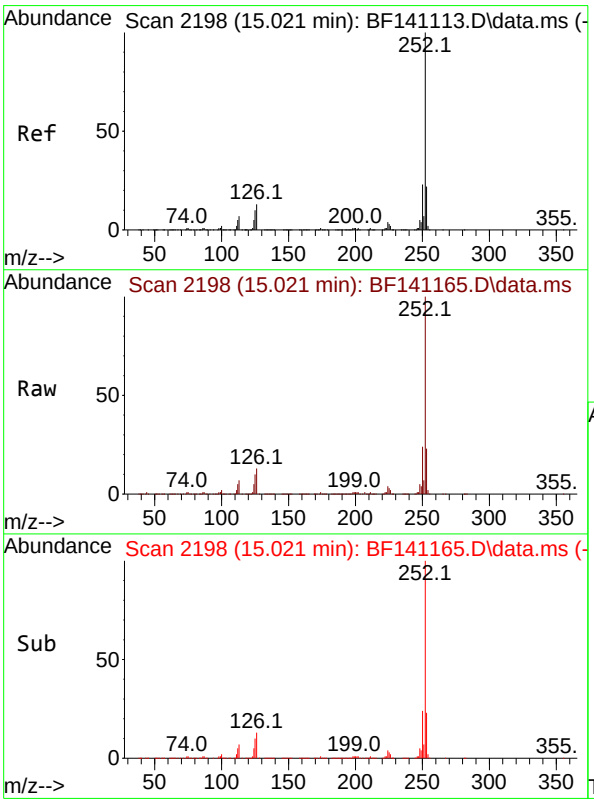

#87
Indeno(1,2,3-cd)pyrene
Concen: 45.691 ng
RT: 16.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:276 Resp: 1004718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.1 | 20.7 | 31.1 |
| 277 | 25.3 | 20.6 | 30.8 |

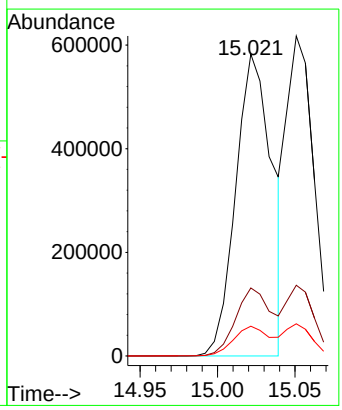


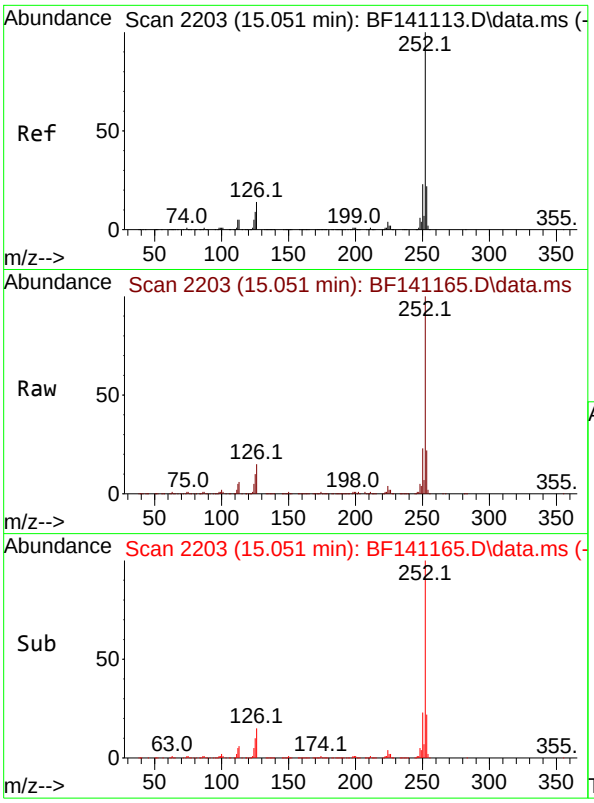




#88
Benzo(b)fluoranthene
Concen: 49.075 ng
RT: 15.021 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:252 Resp: 949809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.8 | 26.6 |
| 125 | 9.9 | 8.1 | 12.1 |



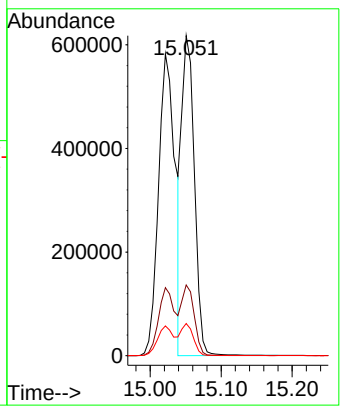


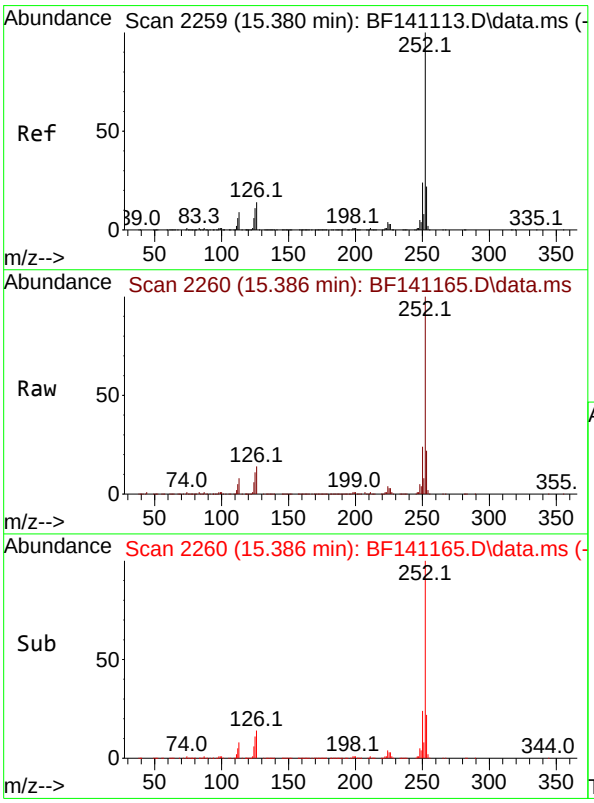

#89
Benzo(k)fluoranthene
Concen: 46.966 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:252 Resp: 768181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.8 | 26.8 |
| 125 | 10.0 | 7.9 | 11.9 |

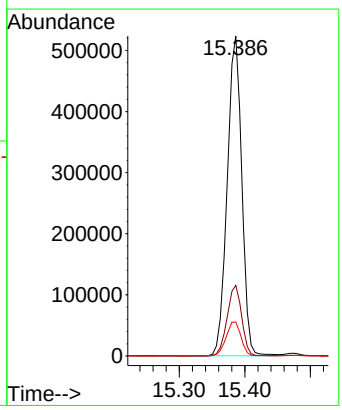


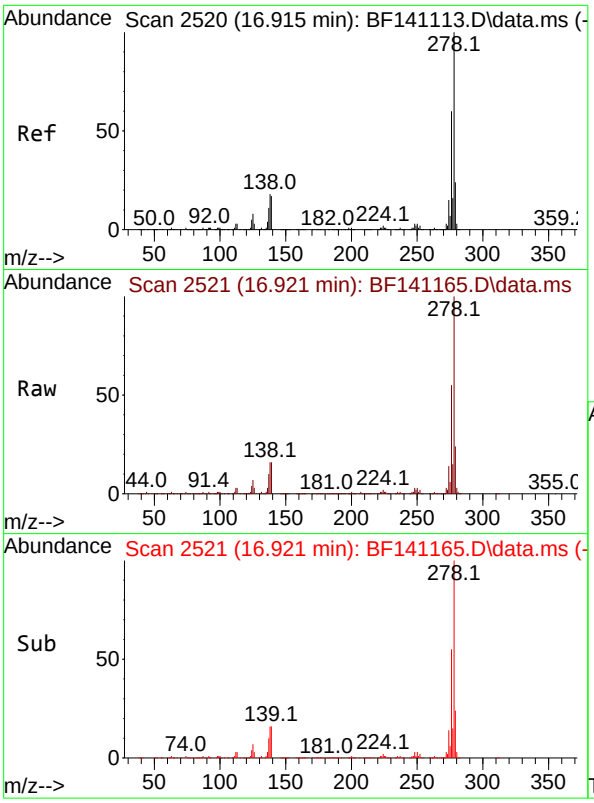




#90
Benzo(a)pyrene
Concen: 50.551 ng
RT: 15.386 min Scan# 2260
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:252 Resp: 807216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.7 | 26.5 |
| 125 | 10.6 | 9.1 | 13.7 |



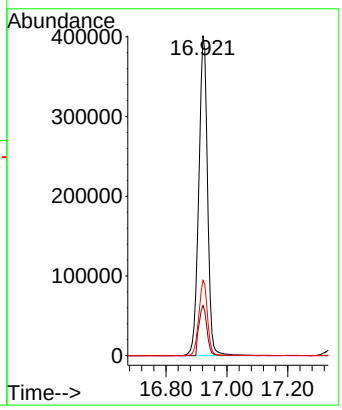


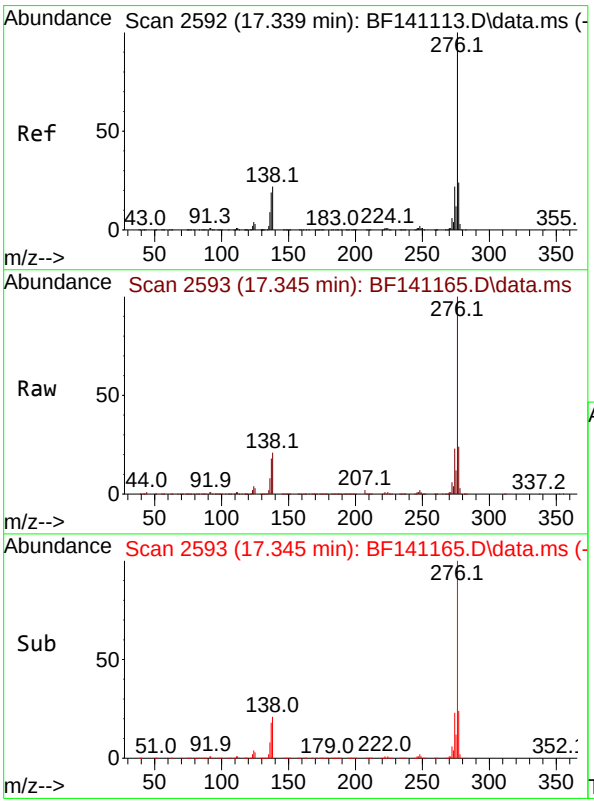

#91
Dibenzo(a,h)anthracene
Concen: 45.345 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

**Instrument :**
BNA_F
**ClientSampleId :**
PB166035BS

Tgt Ion:278 Resp: 806473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.7 | 13.8 | 20.6 |
| 279 | 23.5 | 19.1 | 28.7 |

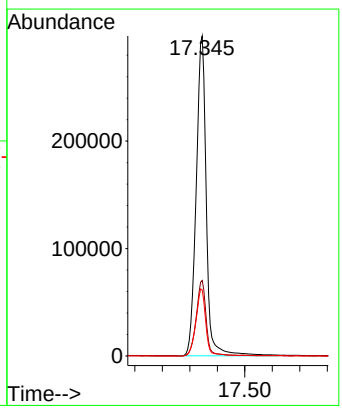



#92
Benzo(g,h,i)perylene
Concen: 41.176 ng
RT: 17.345 min Scan# 2593
Delta R.T. 0.006 min
Lab File: BF141165.D
Acq: 15 Jan 2025 10:26

Tgt Ion:276 Resp: 761728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 19.0 | 28.4 |
| 138 | 20.7 | 17.4 | 26.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141172.D
Acq On : 15 Jan 2025 13:38
Operator : RC/JU
Sample : PB166061BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Quant Time: Jan 15 14:09:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 125655 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 494978 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.863 | 164 | 264175 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 452645 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.986 | 240 | 303424 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.445 | 264 | 262459 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.440 | 112 | 1127705 | 138.640 | ng | | 0.01 |
| 7) Phenol-d6 | 6.445 | 99 | 1424904 | 138.293 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.381 | 82 | 892254 | 95.554 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.651 | 330 | 468311 | 155.580 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.181 | 172 | 1639957 | 94.797 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 1970268 | 96.512 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.628 | 88 | 156795 | 43.287 | ng | | 100 |
| 3) Pyridine | 3.363 | 79 | 388416 | 43.728 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.316 | 42 | 215018 | 49.507 | ng | | 99 |
| 6) Aniline | 6.481 | 93 | 353898 | 38.687 | ng | | 98 |
| 8) 2-Chlorophenol | 6.604 | 128 | 457309 | 52.403 | ng | | 96 |
| 9) Benzaldehyde | 6.363 | 77 | 55655 | 9.171 | ng | | 99 |
| 10) Phenol | 6.463 | 94 | 557434 | 50.540 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.557 | 93 | 406930 | 49.507 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.757 | 146 | 472098 | 48.504 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.839 | 146 | 481103 | 49.051 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.987 | 146 | 459155 | 50.186 | ng | | 99 |
| 15) Benzyl Alcohol | 6.963 | 79 | 383977 | 51.604 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.092 | 45 | 550143 | 47.963 | ng | | 97 |
| 17) 2-Methylphenol | 7.069 | 107 | 364075 | 51.675 | ng | | 99 |
| 18) Hexachloroethane | 7.334 | 117 | 172983 | 48.770 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.234 | 70 | 298704 | 49.215 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.222 | 107 | 456394 | 51.345 | ng | | 91 |
| 22) Acetophenone | 7.228 | 105 | 594750 | 50.545 | ng | # | 95 |
| 24) Nitrobenzene | 7.404 | 77 | 470238 | 48.319 | ng | | 99 |
| 25) Isophorone | 7.639 | 82 | 811569 | 50.857 | ng | | 99 |
| 26) 2-Nitrophenol | 7.716 | 139 | 236745 | 53.479 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.751 | 122 | 361074 | 60.469 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.851 | 93 | 492644 | 49.192 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.957 | 162 | 371144 | 52.334 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 389479 | 48.047 | ng | | 99 |
| 31) Naphthalene | 8.128 | 128 | 1300768 | 49.832 | ng | | 99 |
| 32) Benzoic acid | 7.869 | 122 | 286894 | 50.086 | ng | | 99 |
| 33) 4-Chloroaniline | 8.169 | 127 | 186433 | 20.652 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.239 | 225 | 235776 | 48.271 | ng | | 99 |
| 35) Caprolactam | 8.539 | 113 | 88699 | 38.202 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 8.657 | 107 | 403179 | 51.983 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 845856 | 50.852 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 784309 | 47.844 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.980 | 216 | 385980 | 50.905 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 465991 | 187.848 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 272398 | 53.267 | ng | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141172.D
Acq On : 15 Jan 2025 13:38
Operator : RC/JU
Sample : PB166061BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Quant Time: Jan 15 14:09:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.133 | 196 | 270073 | 50.006 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.280 | 154 | 1016465 | 49.545 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.304 | 162 | 777411 | 48.651 | ng | 100 |
| 48) 2-Nitroaniline | 9.398 | 65 | 247443 | 52.239 | ng | 99 |
| 49) Acenaphthylene | 9.722 | 152 | 1221518 | 53.506 | ng | 99 |
| 50) Dimethylphthalate | 9.586 | 163 | 893858 | 50.400 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.645 | 165 | 207427 | 50.295 | ng | 99 |
| 52) Acenaphthene | 9.892 | 154 | 918132 | 57.563 | ng | 100 |
| 53) 3-Nitroaniline | 9.810 | 138 | 120126 | 28.662 | ng | 97 |
| 54) 2,4-Dinitrophenol | 9.916 | 184 | 239218 | 122.030 | ng | 97 |
| 55) Dibenzofuran | 10.069 | 168 | 1106789 | 51.016 | ng | 99 |
| 56) 4-Nitrophenol | 9.969 | 139 | 364246 | 110.972 | ng | 94 |
| 57) 2,4-Dinitrotoluene | 10.045 | 165 | 288706 | 54.319 | ng | 99 |
| 58) Fluorene | 10.410 | 166 | 853769 | 50.654 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.180 | 232 | 242021 | 53.911 | ng | 99 |
| 60) Diethylphthalate | 10.286 | 149 | 860679 | 49.710 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204 | 412896 | 50.262 | ng | 99 |
| 62) 4-Nitroaniline | 10.427 | 138 | 212430 | 51.787 | ng | 98 |
| 63) Azobenzene | 10.563 | 77 | 854110 | 49.994 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198 | 159388 | 60.767 | ng | 94 |
| 66) n-Nitrosodiphenylamine | 10.522 | 169 | 760298 | 52.076 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 265942 | 51.032 | ng | 98 |
| 68) Hexachlorobenzene | 10.957 | 284 | 308124 | 53.114 | ng | 98 |
| 69) Atrazine | 11.045 | 200 | 256384 | 65.219 | ng | 99 |
| 70) Pentachlorophenol | 11.151 | 266 | 392836 | 105.741 | ng | 99 |
| 71) Phenanthrene | 11.369 | 178 | 1319932 | 54.316 | ng | 100 |
| 72) Anthracene | 11.422 | 178 | 1332321 | 56.385 | ng | 99 |
| 73) Carbazole | 11.574 | 167 | 1198881 | 55.334 | ng | 99 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 1286652 | 51.891 | ng | 100 |
| 75) Fluoranthene | 12.557 | 202 | 1388188 | 57.245 | ng | 99 |
| 77) Benzidine | 12.680 | 184 | 268054 | 47.639 | ng | 100 |
| 78) Pyrene | 12.786 | 202 | 1436638 | 49.572 | ng | 100 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 508795 | 52.657 | ng | 98 |
| 81) Benzo(a)anthracene | 13.974 | 228 | 1046000 | 50.654 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.939 | 252 | 214412 | 32.609 | ng | 100 |
| 83) Chrysene | 14.015 | 228 | 998963 | 51.701 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149 | 604164 | 52.112 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.586 | 149 | 881079 | 50.327 | ng | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 16.904 | 276 | 975311 | 50.722 | ng | 98 |
| 88) Benzo(b)fluoranthene | 15.021 | 252 | 939329 | 55.502 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.051 | 252 | 767255 | 53.645 | ng | 99 |
| 90) Benzo(a)pyrene | 15.386 | 252 | 809001 | 57.937 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.921 | 278 | 792781 | 50.976 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.339 | 276 | 723237 | 44.709 | ng | 99 |

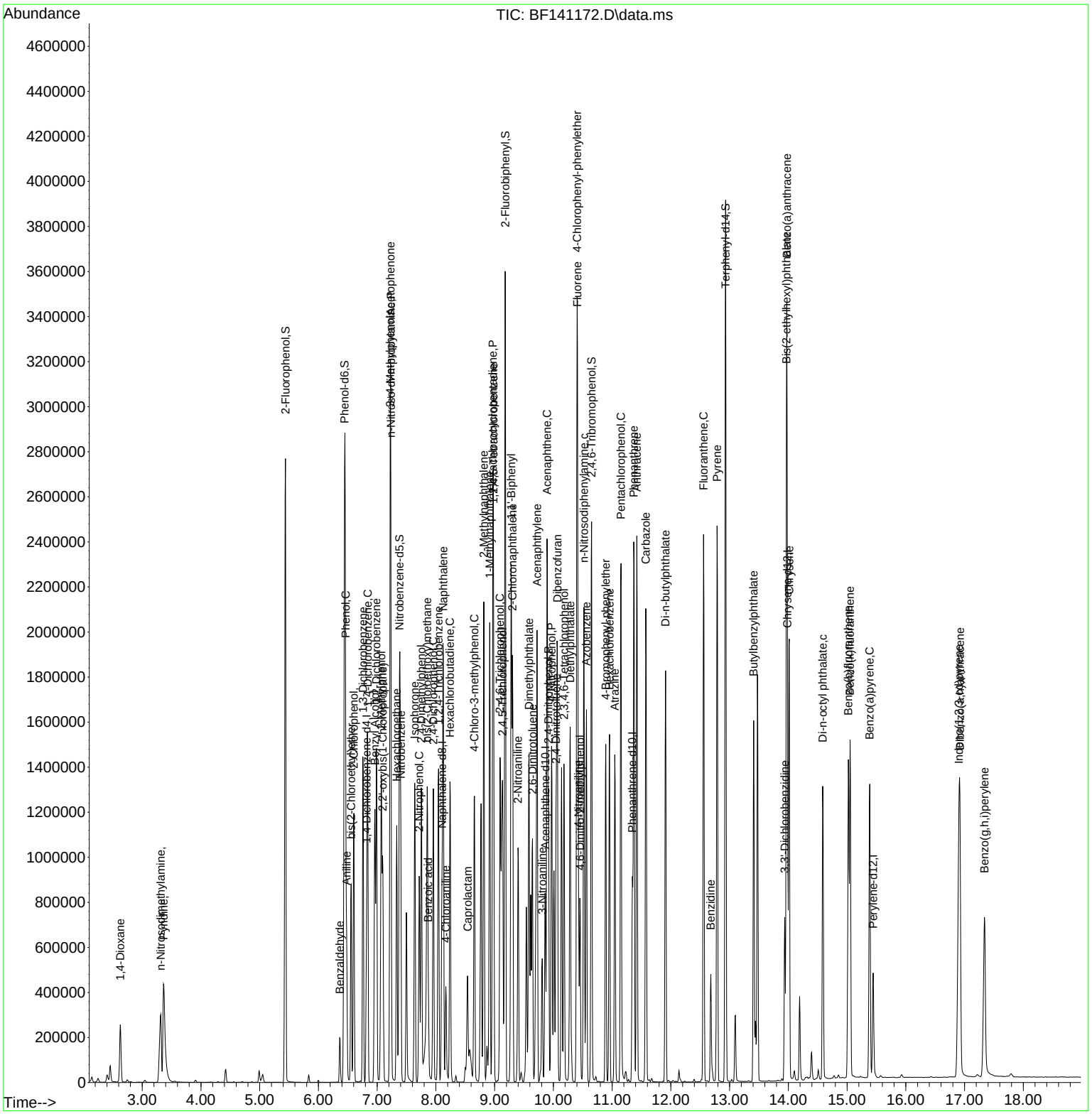
(#) = qualifier out of range (m) = manual integration (+) = signals summed

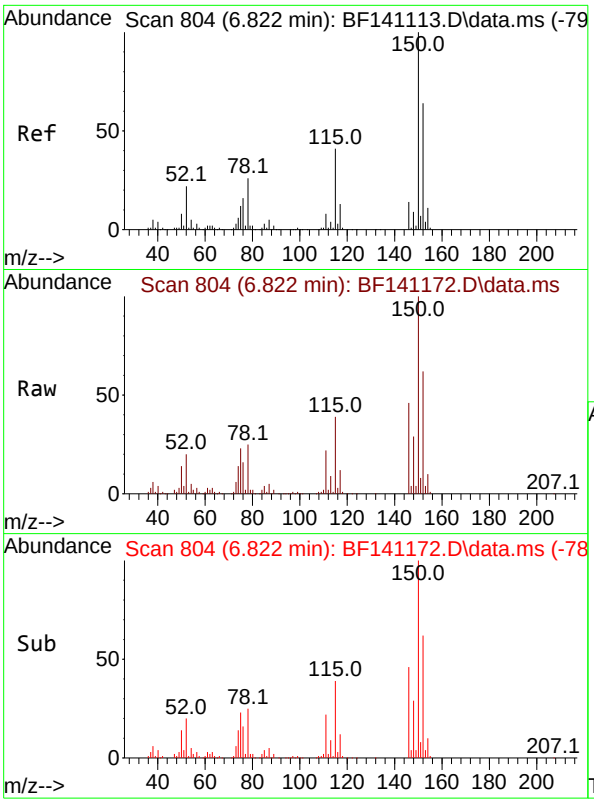
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141172.D
Acq On : 15 Jan 2025 13:38
Operator : RC/JU
Sample : PB166061BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Quant Time: Jan 15 14:09:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



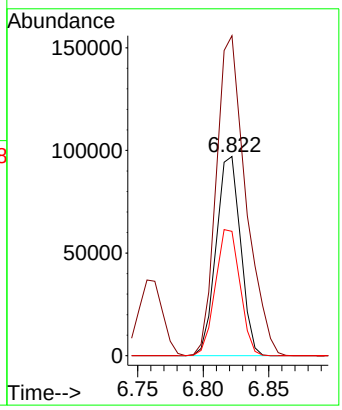


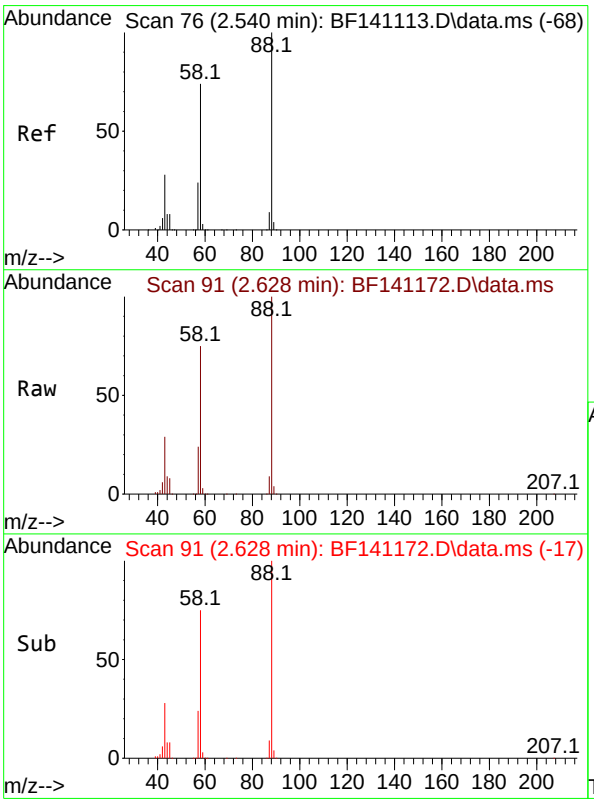

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:152 Resp: 125655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.7 | 125.8 | 188.8 |
| 115 | 62.5 | 51.4 | 77.2 |

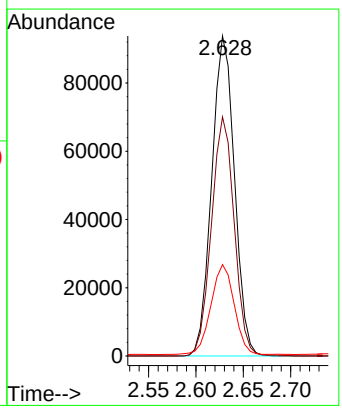


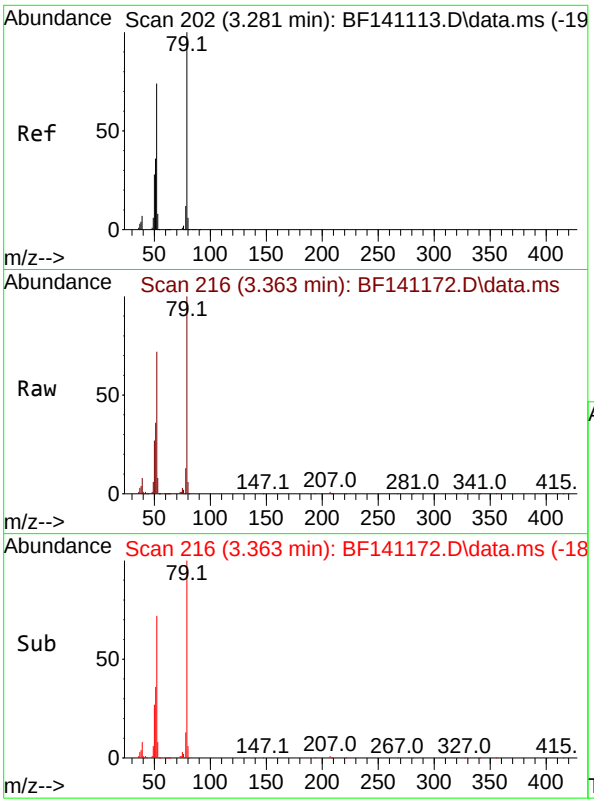




#2
1,4-Dioxane
Concen: 43.287 ng
RT: 2.628 min Scan# 91
Delta R.T. 0.088 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion: 88 Resp: 156795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.7 | 60.1 | 90.1 |
| 43 | 28.7 | 23.1 | 34.7 |



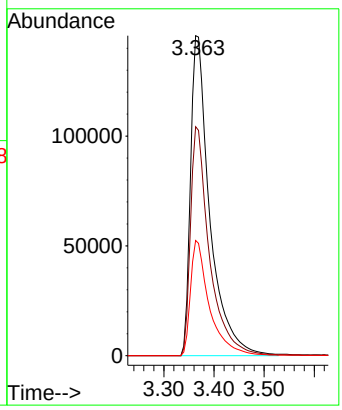


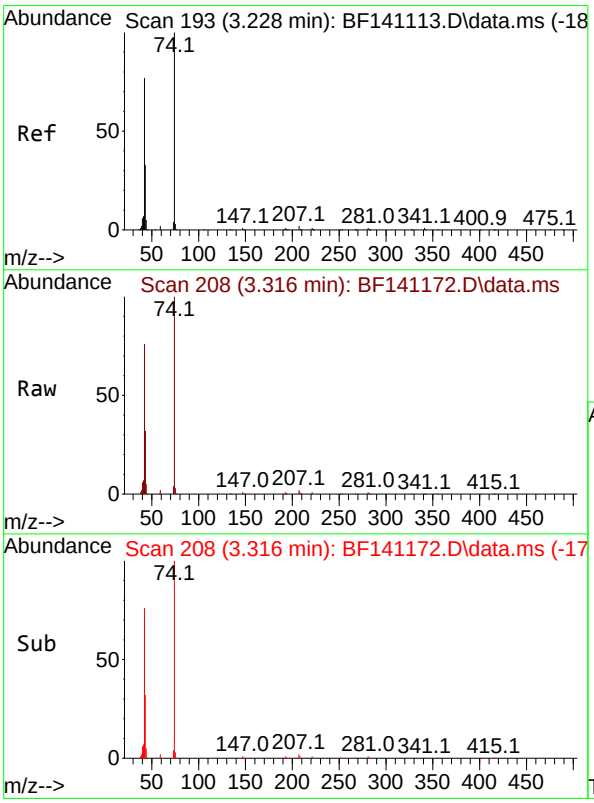

#3
Pyridine
Concen: 43.728 ng
RT: 3.363 min Scan# 21
Delta R.T. 0.082 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion: 79 Resp: 388416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 71.5 | 58.9 | 88.3 |
| 51 | 36.0 | 29.1 | 43.7 |

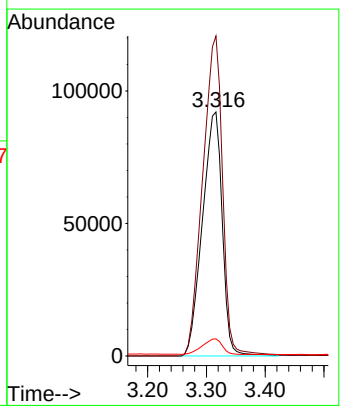


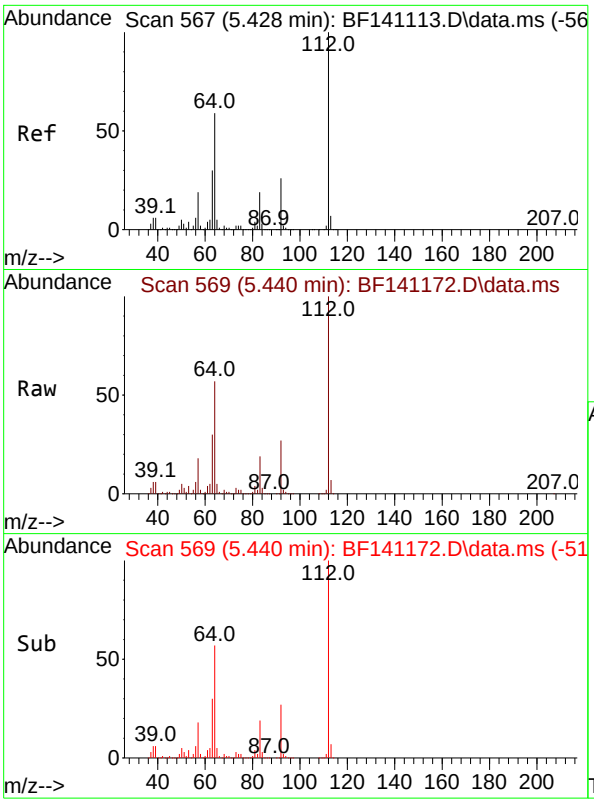




#4
n-Nitrosodimethylamine
Concen: 49.507 ng
RT: 3.316 min Scan# 208
Delta R.T. 0.088 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion: 42 Resp: 215018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 131.1 | 103.8 | 155.6 |
| 44 | 7.0 | 5.3 | 7.9 |



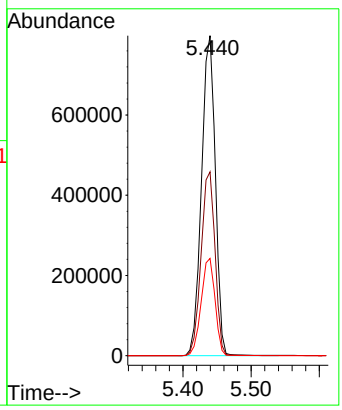


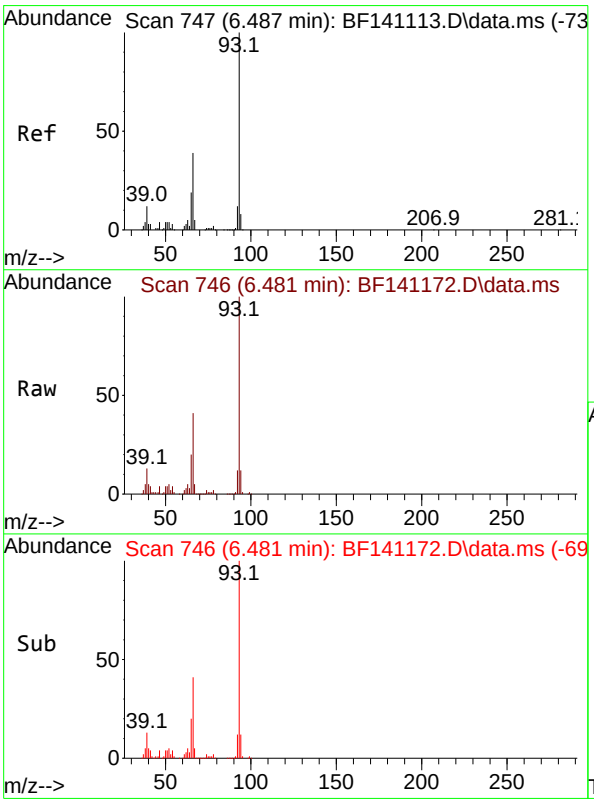

#5
2-Fluorophenol
Concen: 138.640 ng
RT: 5.440 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:112 Resp: 1127705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.5 | 47.3 | 70.9 |
| 63 | 30.4 | 24.2 | 36.2 |

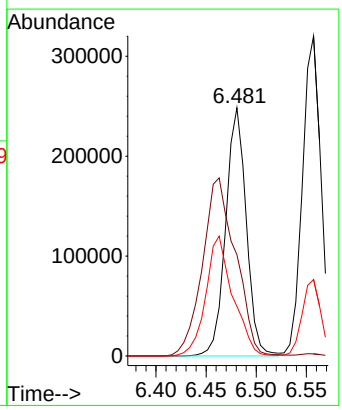


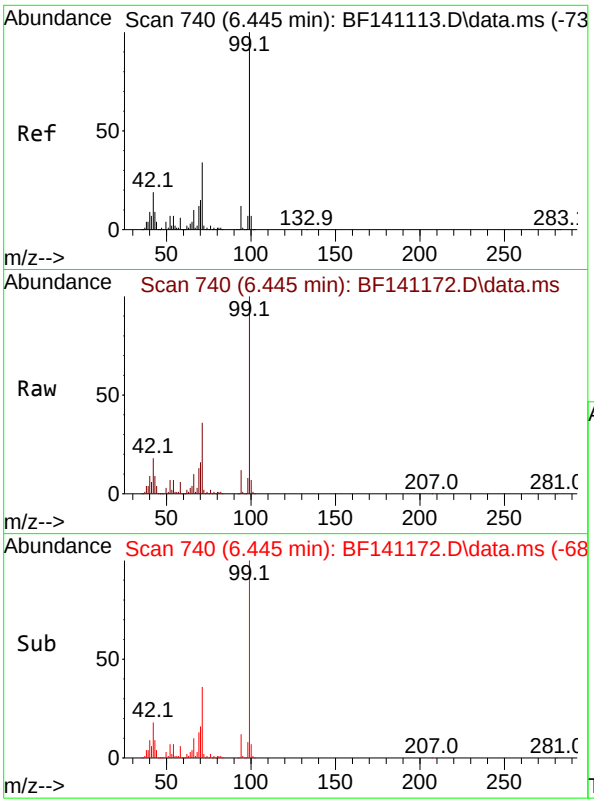




#6
Aniline
Concen: 38.687 ng
RT: 6.481 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion: 93 Resp: 353898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.8 | 31.5 | 47.3 |
| 65 | 20.0 | 15.3 | 22.9 |



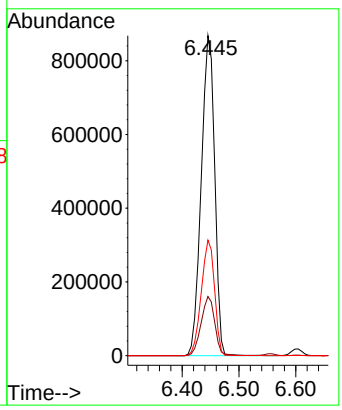


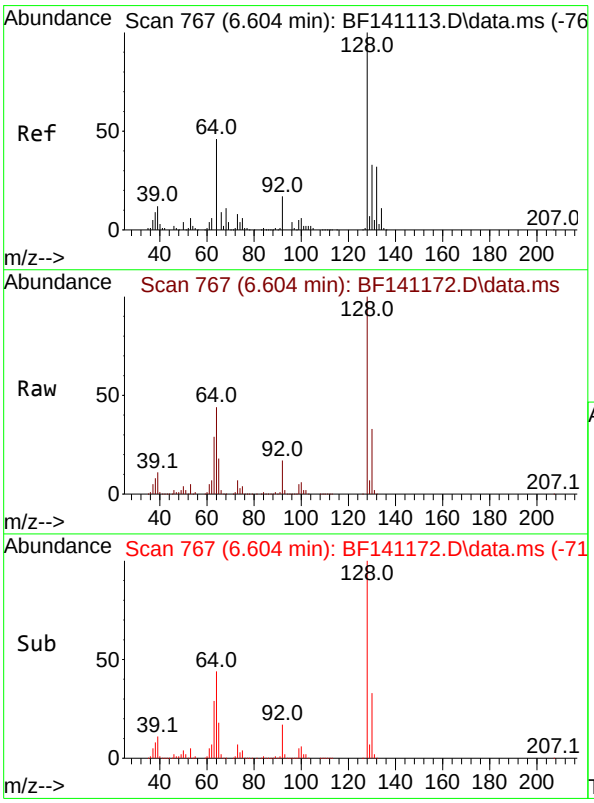

#7
Phenol-d6
Concen: 138.293 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion: 99 Resp: 1424904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.5 | 15.0 | 22.4 |
| 71 | 36.1 | 27.6 | 41.4 |

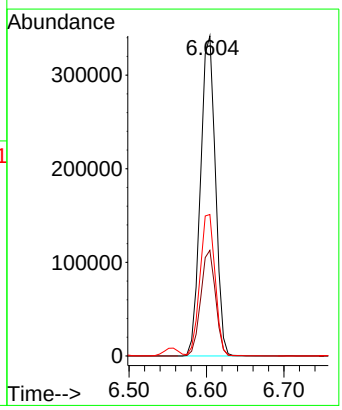


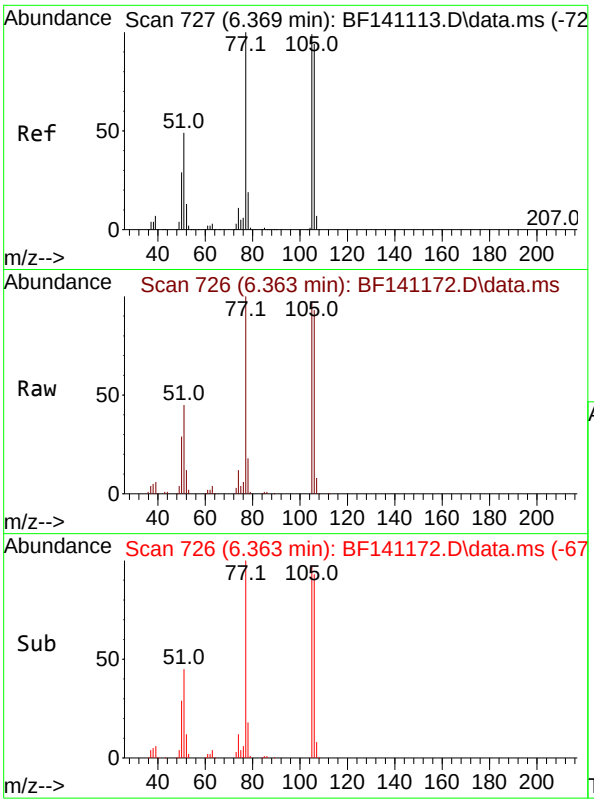




#8
2-Chlorophenol
Concen: 52.403 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:128 Resp: 457309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.0 | 12.5 | 52.5 |
| 64 | 44.2 | 28.3 | 68.3 |



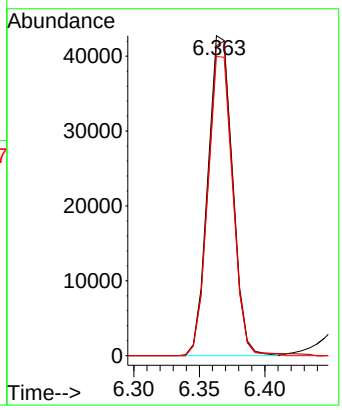


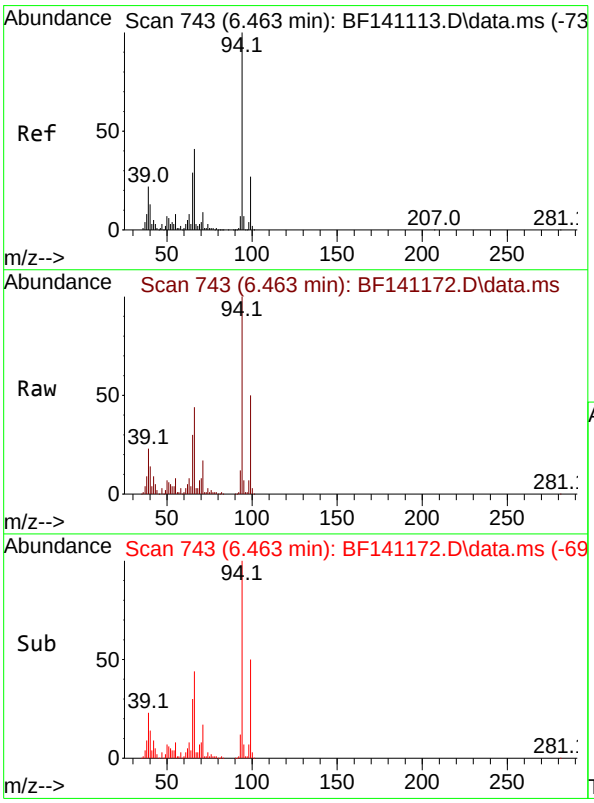

#9
Benzaldehyde
Concen: 9.171 ng
RT: 6.363 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion: 77 Resp: 55655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 96.9 | 78.9 | 118.9 |
| 106 | 93.5 | 73.6 | 113.6 |

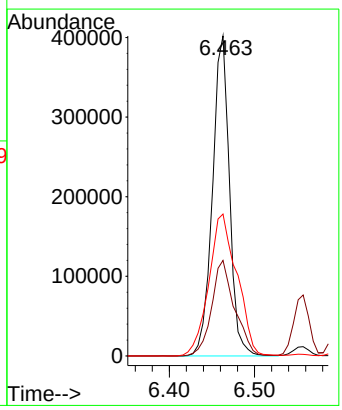


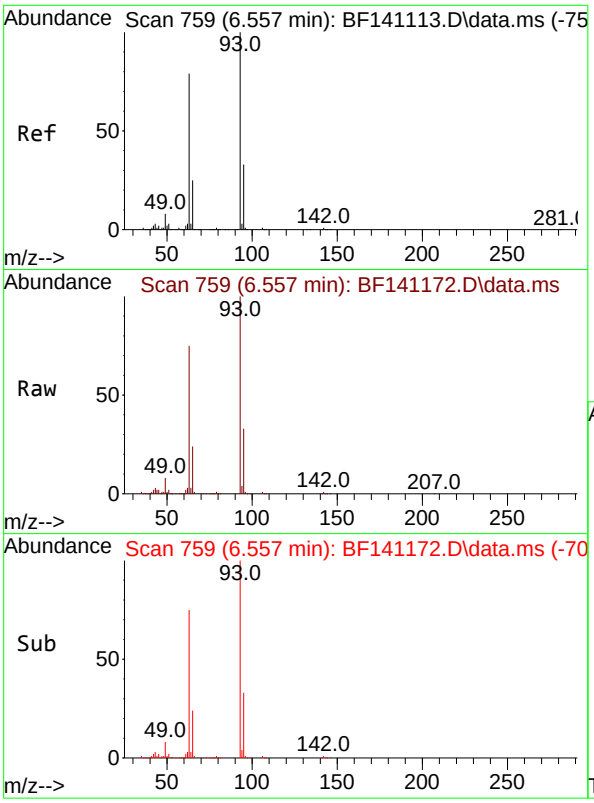




#10
Phenol
Concen: 50.540 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion: 94 Resp: 557434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.9 | 8.9 | 48.9 |
| 66 | 44.3 | 21.2 | 61.2 |



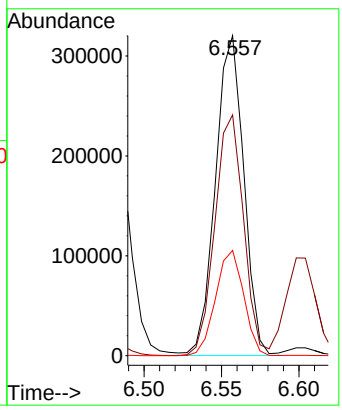


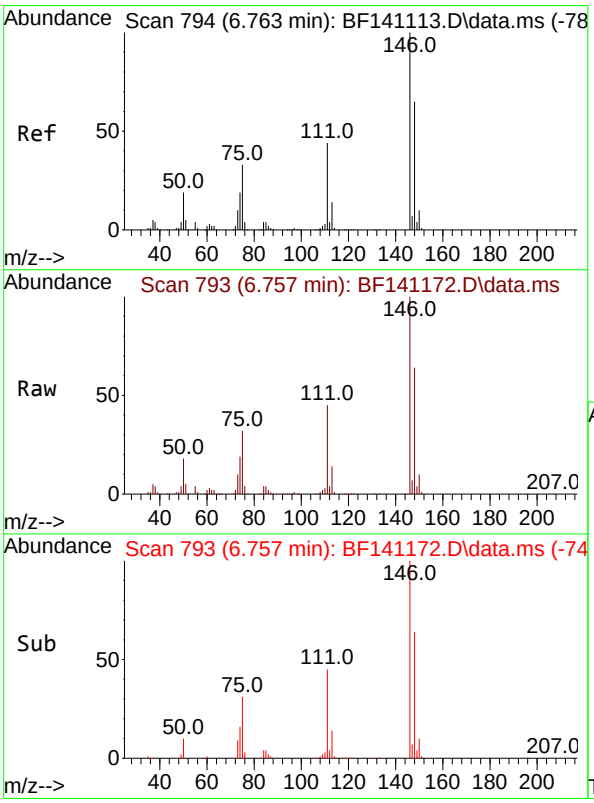

#11
bis(2-Chloroethyl)ether
Concen: 49.507 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion: 93 Resp: 406930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 75.2 | 58.0 | 98.0 |
| 95 | 32.9 | 12.5 | 52.5 |

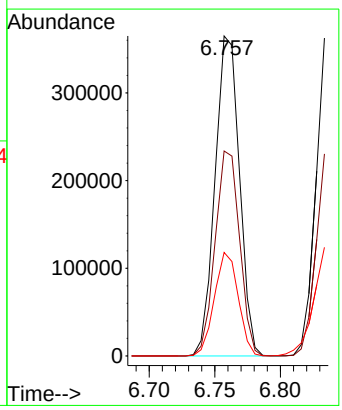


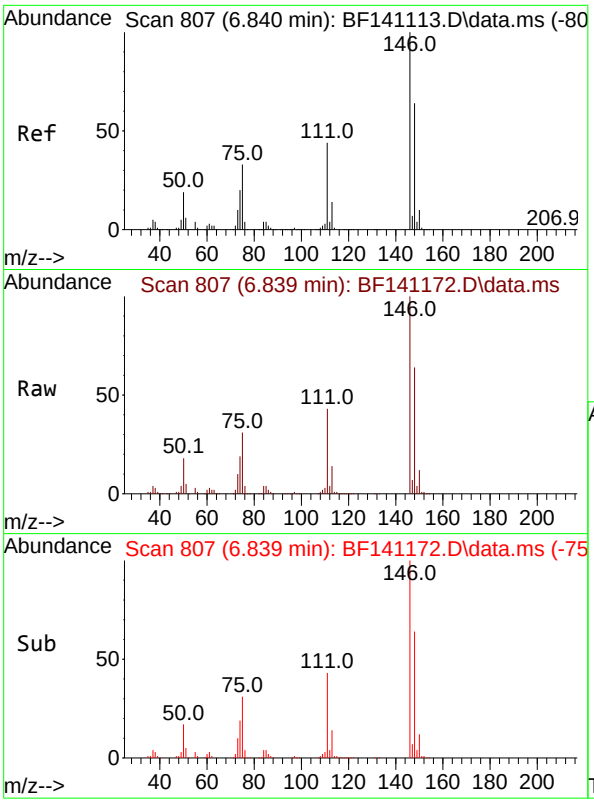




#12
1,3-Dichlorobenzene
Concen: 48.504 ng
RT: 6.757 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:146 Resp: 472098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.6 | 77.4 |
| 75 | 32.4 | 26.2 | 39.2 |



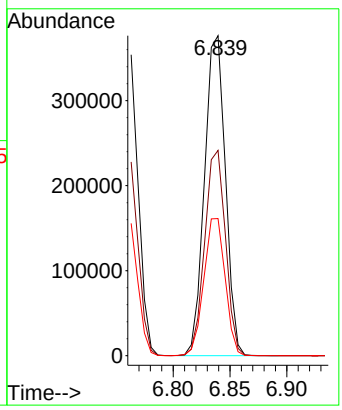


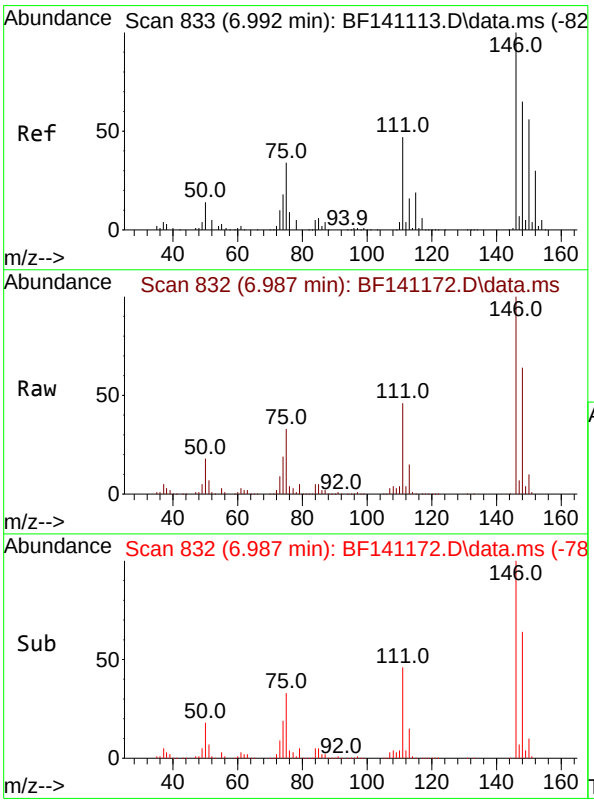

#13
1,4-Dichlorobenzene
Concen: 49.051 ng
RT: 6.839 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:146 Resp: 481103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.0 | 76.6 |
| 111 | 42.8 | 34.9 | 52.3 |

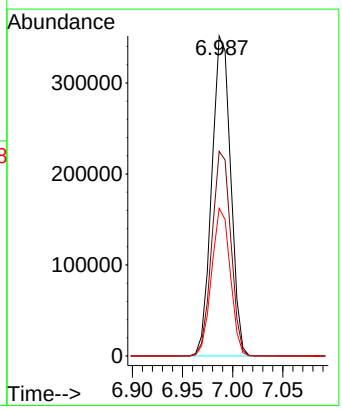


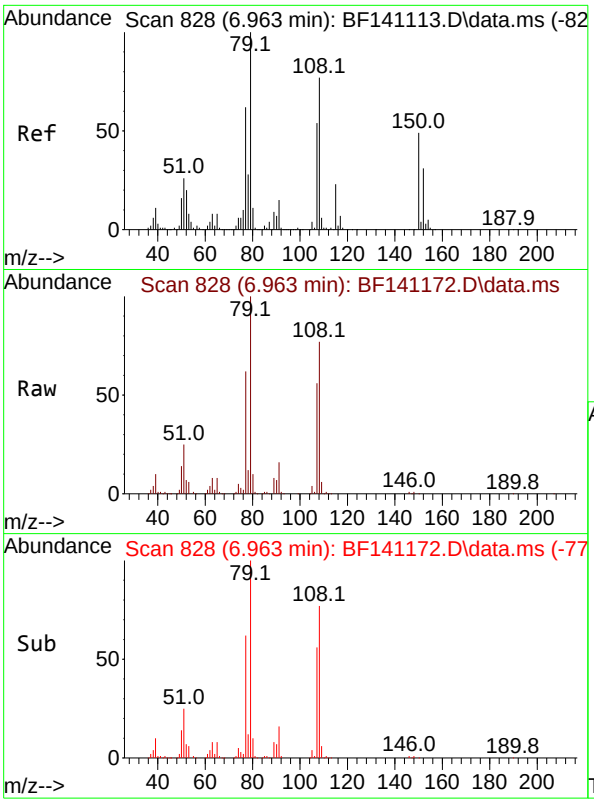




#14
1,2-Dichlorobenzene
Concen: 50.186 ng
RT: 6.987 min Scan# 832
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:146 Resp: 459155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 52.2 | 78.4 |
| 111 | 46.2 | 37.5 | 56.3 |



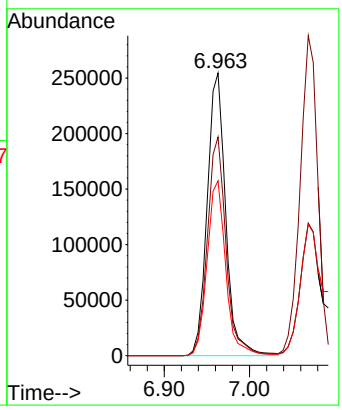


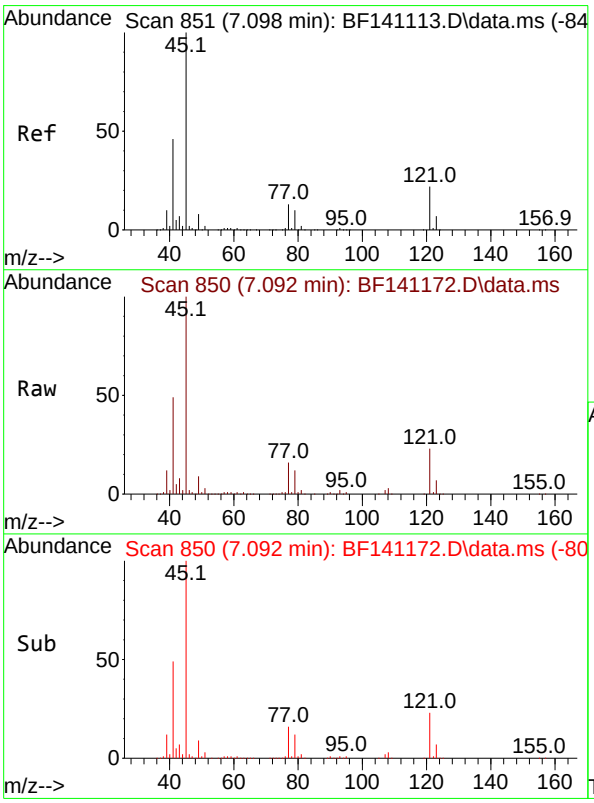

#15
Benzyl Alcohol
Concen: 51.604 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion: 79 Resp: 383977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 77.4 | 61.4 | 92.0 |
| 77 | 61.9 | 49.8 | 74.6 |

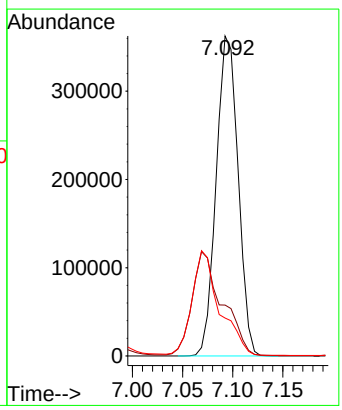


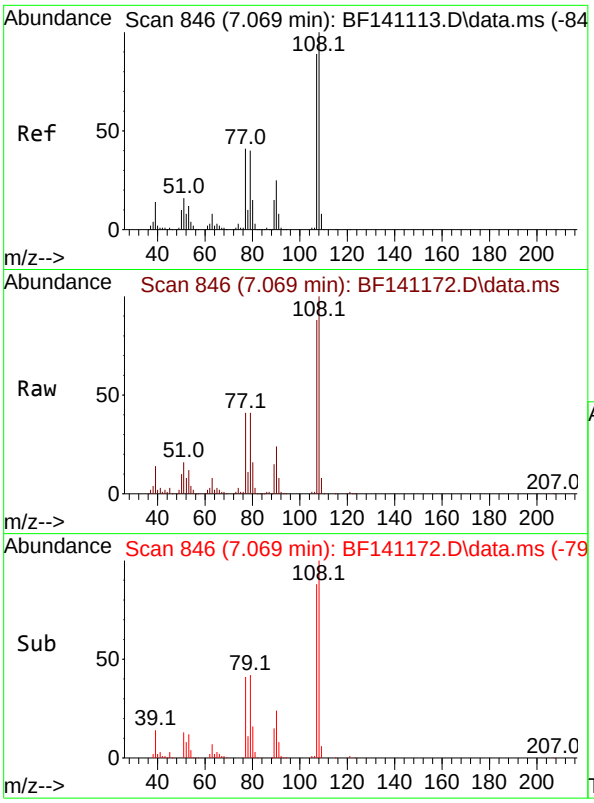




#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.963 ng
RT: 7.092 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion: 45 Resp: 550143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 15.9 | 0.0 | 34.1 |
| 79 | 11.9 | 0.0 | 31.0 |



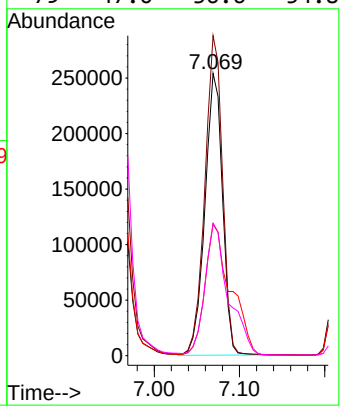


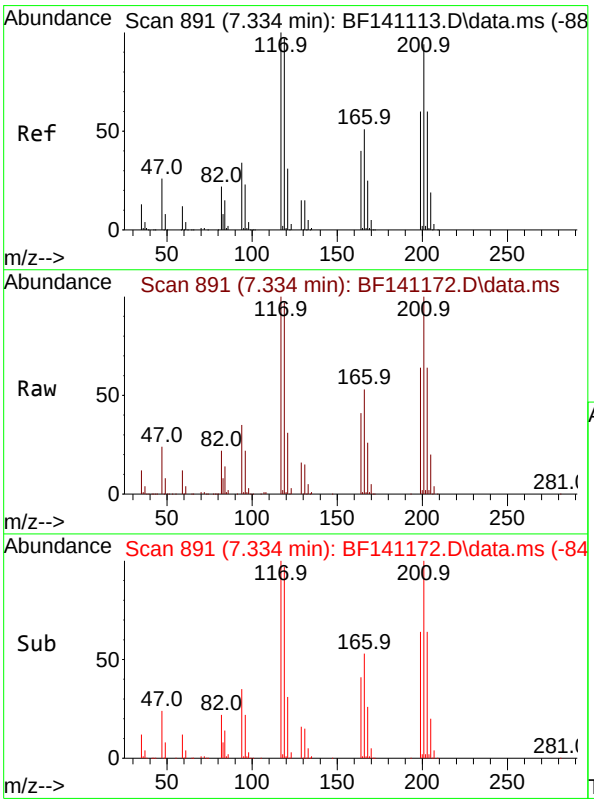

#17
2-Methylphenol
Concen: 51.675 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:107 Resp: 364075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.4 | 90.1 | 135.1 |
| 77 | 46.5 | 36.6 | 55.0 |
| 79 | 47.0 | 36.6 | 54.8 |

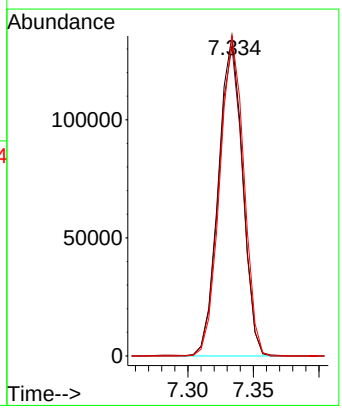


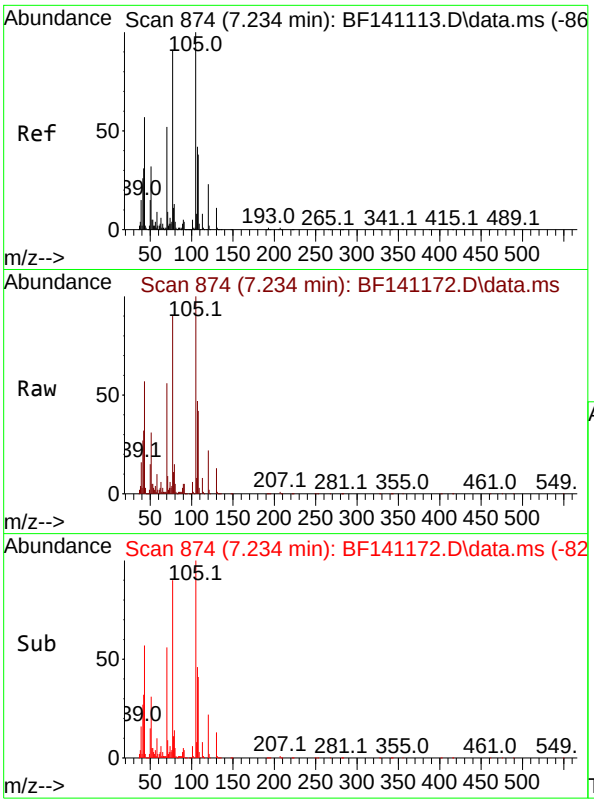




#18
Hexachloroethane
Concen: 48.770 ng
RT: 7.334 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:117 Resp: 172983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.7 | 77.6 | 116.4 |
| 201 | 100.0 | 75.1 | 112.7 |



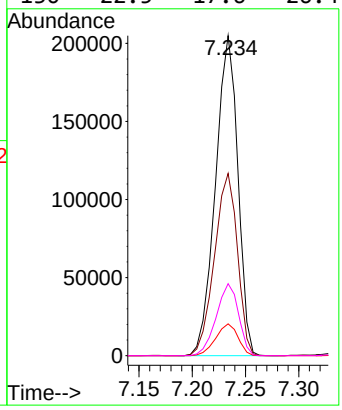


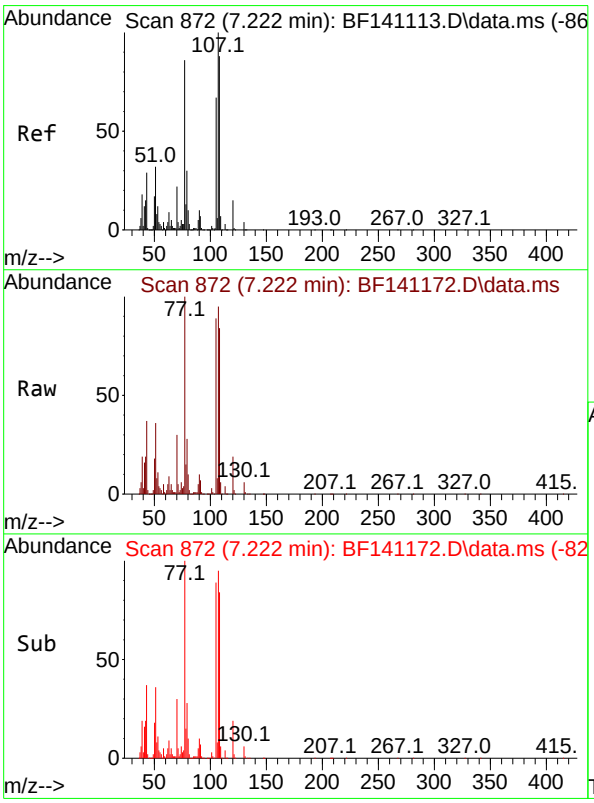

#19
n-Nitroso-di-n-propylamine
Concen: 49.215 ng
RT: 7.234 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion: 70 Resp: 298704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.0 | 47.8 | 71.6 |
| 101 | 10.0 | 7.9 | 11.9 |
| 130 | 22.5 | 17.6 | 26.4 |

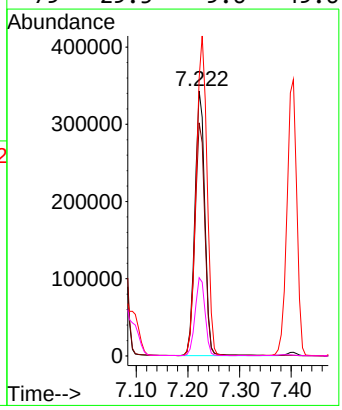


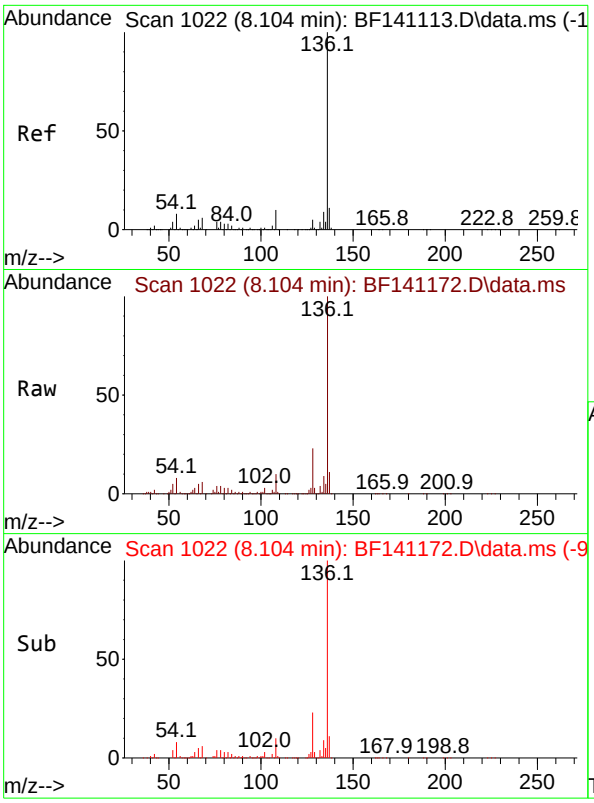




#20
3+4-Methylphenols
Concen: 51.345 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:107 Resp: 456394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.0 | 68.3 | 108.3 |
| 77 | 104.9 | 66.4 | 106.4 |
| 79 | 29.5 | 9.6 | 49.6 |



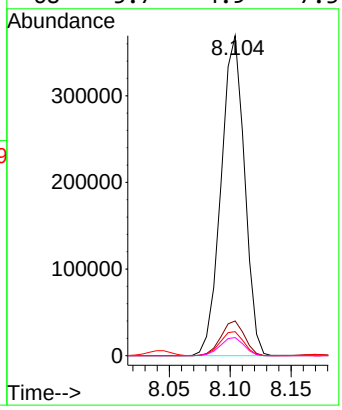


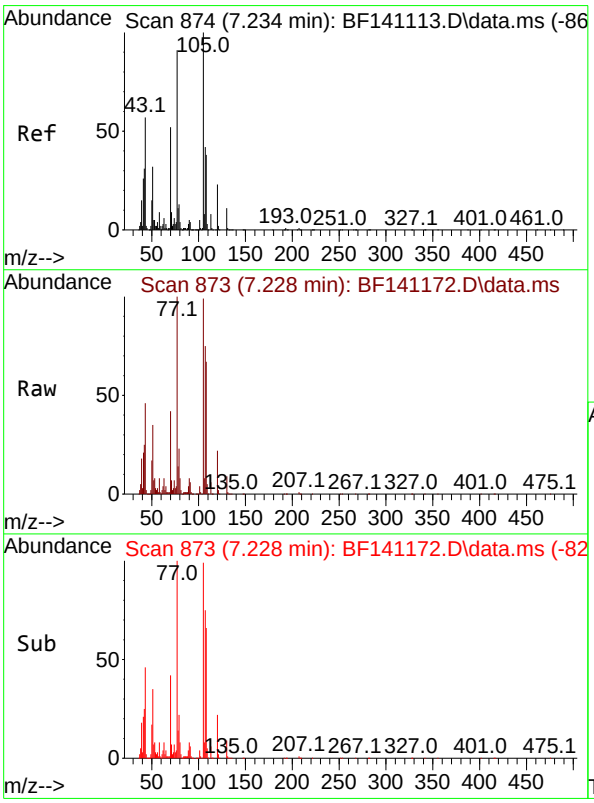

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:136 Resp: 494978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 7.5 | 6.3 | 9.5 |
| 68 | 5.7 | 4.9 | 7.3 |

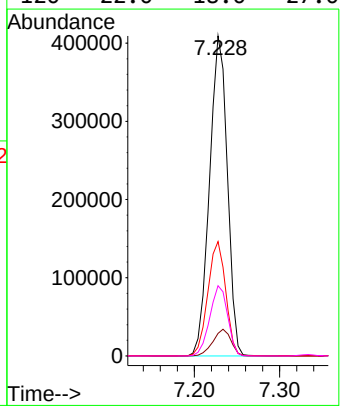


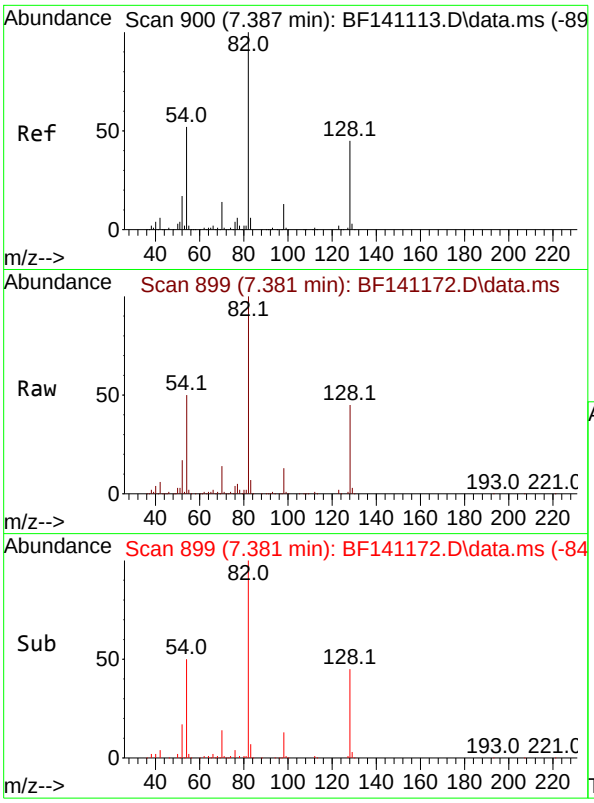




#22
Acetophenone
Concen: 50.545 ng
RT: 7.228 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:105 Resp: 594750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.0 | 7.1 | 10.7# |
| 51 | 35.7 | 25.4 | 38.2 |
| 120 | 22.0 | 18.0 | 27.0 |



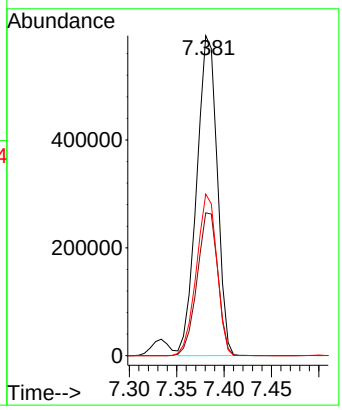


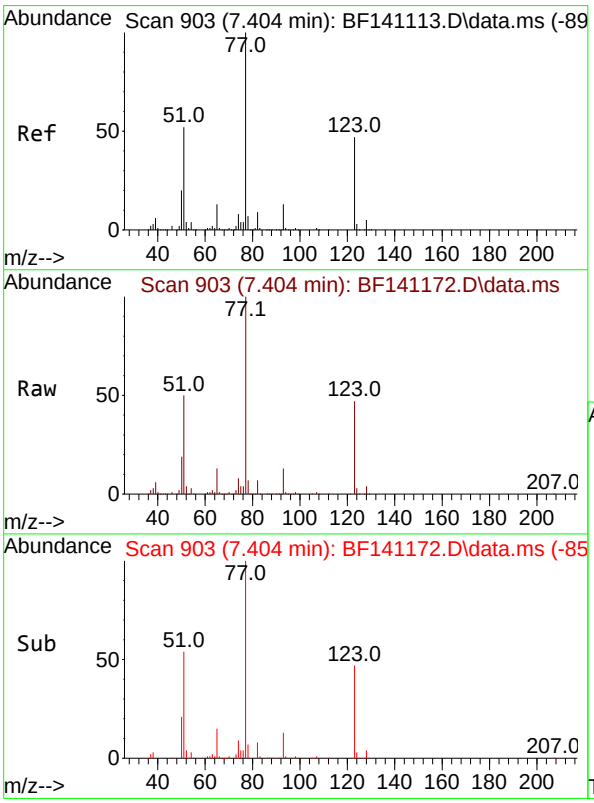

#23
Nitrobenzene-d5
Concen: 95.554 ng
RT: 7.381 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion: 82 Resp: 892254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.7 | 36.1 | 54.1 |
| 54 | 50.5 | 41.0 | 61.4 |

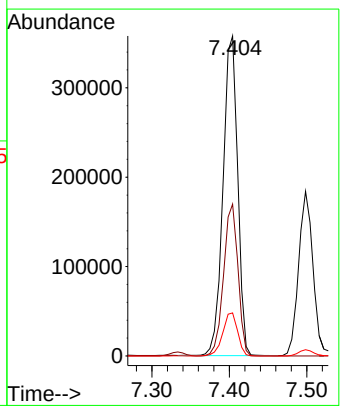


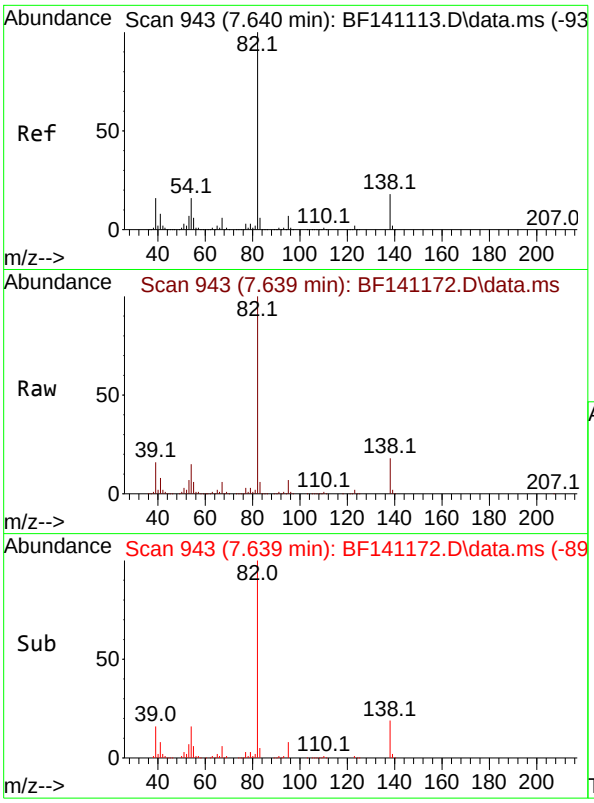




#24
Nitrobenzene
Concen: 48.319 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion: 77 Resp: 470238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.5 | 37.7 | 56.5 |
| 65 | 13.5 | 10.6 | 16.0 |



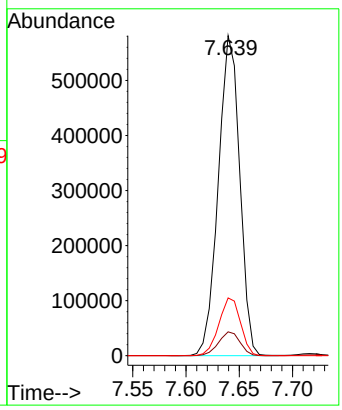


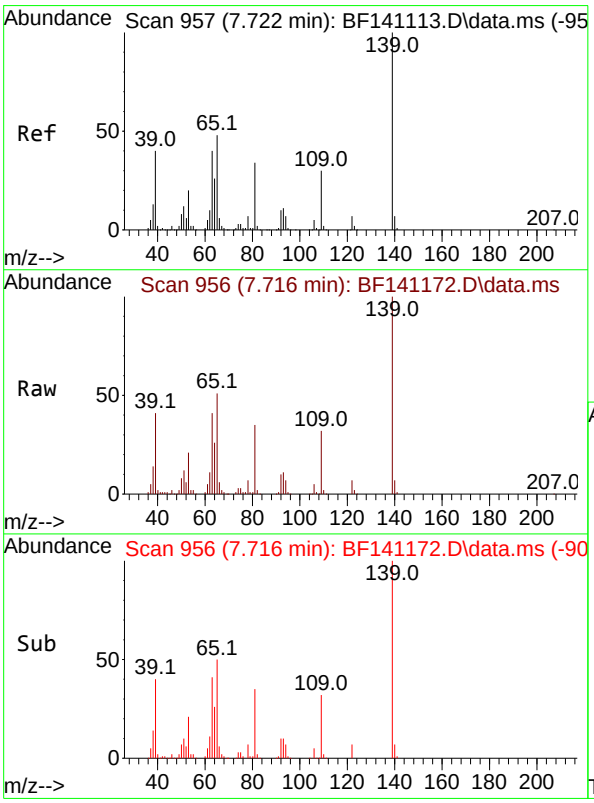

#25
Isophorone
Concen: 50.857 ng
RT: 7.639 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion: 82 Resp: 811569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.5 | 5.9 | 8.9 |
| 138 | 18.0 | 14.2 | 21.2 |

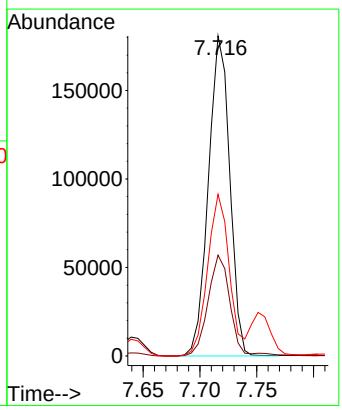


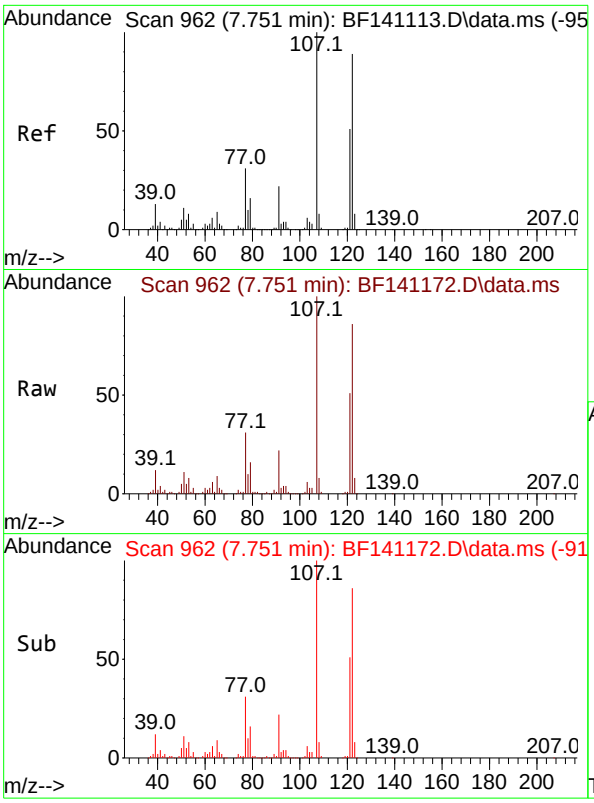




#26
2-Nitrophenol
Concen: 53.479 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:139 Resp: 236745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.5 | 23.8 | 35.6 |
| 65 | 50.5 | 38.5 | 57.7 |



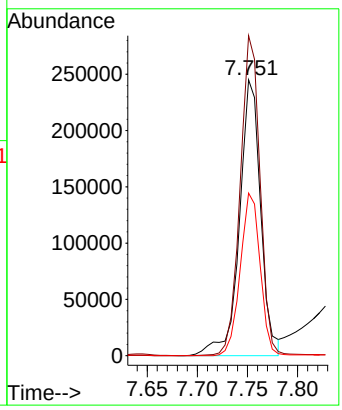


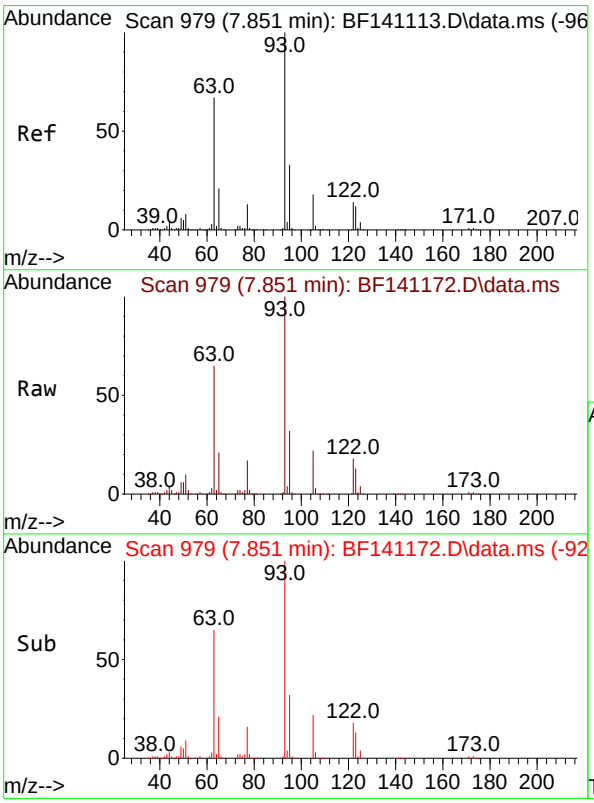

#27
2,4-Dimethylphenol
Concen: 60.469 ng
RT: 7.751 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:122 Resp: 361074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 116.0 | 90.3 | 135.5 |
| 121 | 59.0 | 46.5 | 69.7 |

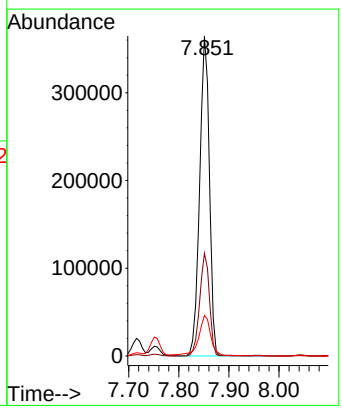


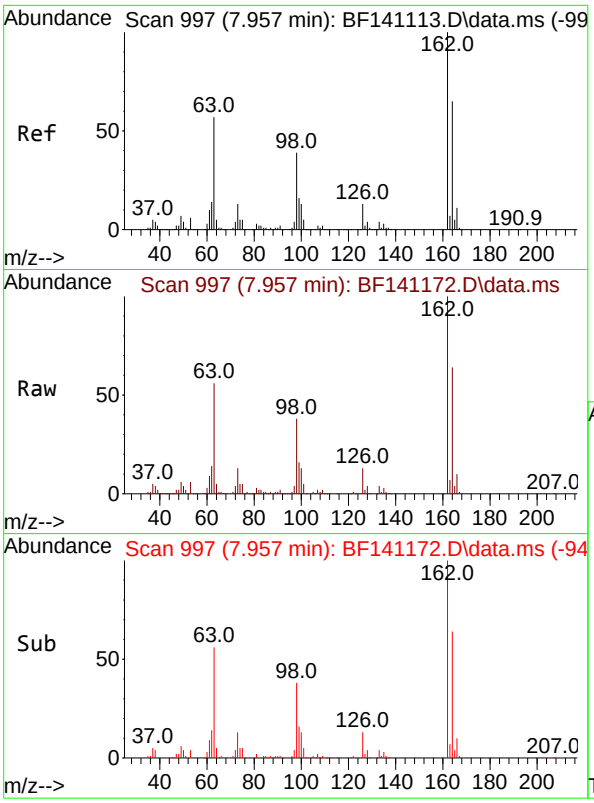




#28
bis(2-Chloroethoxy)methane
Concen: 49.192 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion: 93 Resp: 492644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.1 | 26.2 | 39.4 |
| 123 | 12.7 | 10.1 | 15.1 |



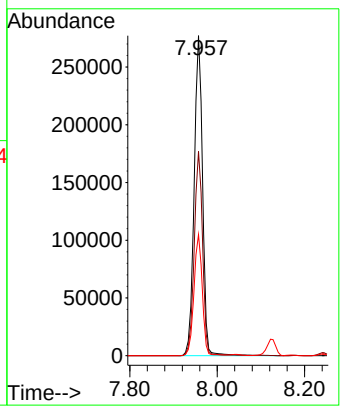


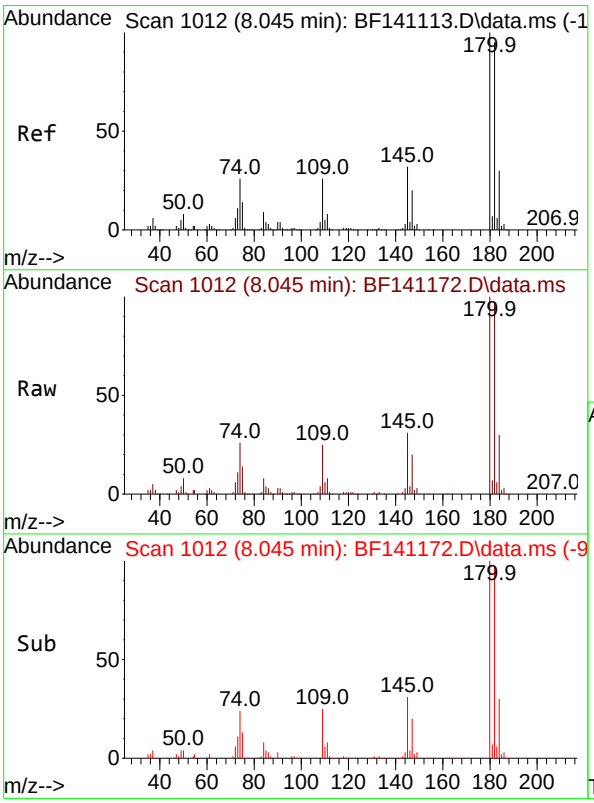

#29
2,4-Dichlorophenol
Concen: 52.334 ng
RT: 7.957 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:162 Resp: 371144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.8 | 44.5 | 84.5 |
| 98 | 37.8 | 18.5 | 58.5 |

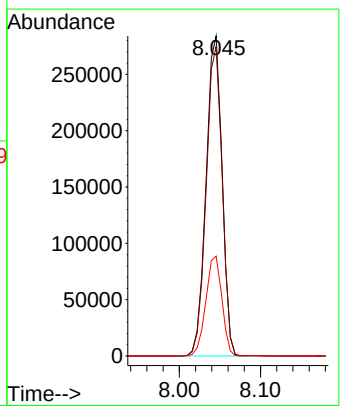


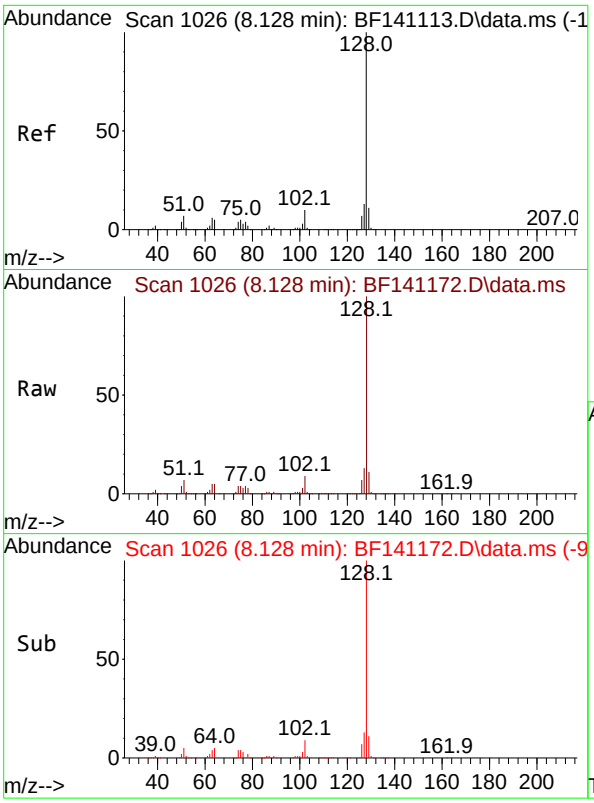




#30
1,2,4-Trichlorobenzene
Concen: 48.047 ng
RT: 8.045 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:180 Resp: 389479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.7 | 76.2 | 114.2 |
| 145 | 31.2 | 25.3 | 37.9 |



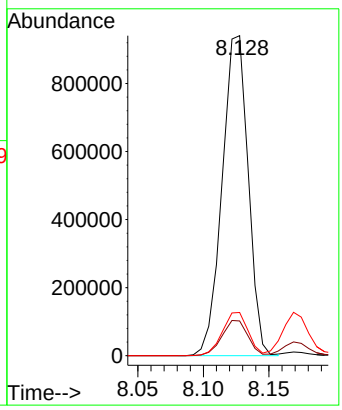


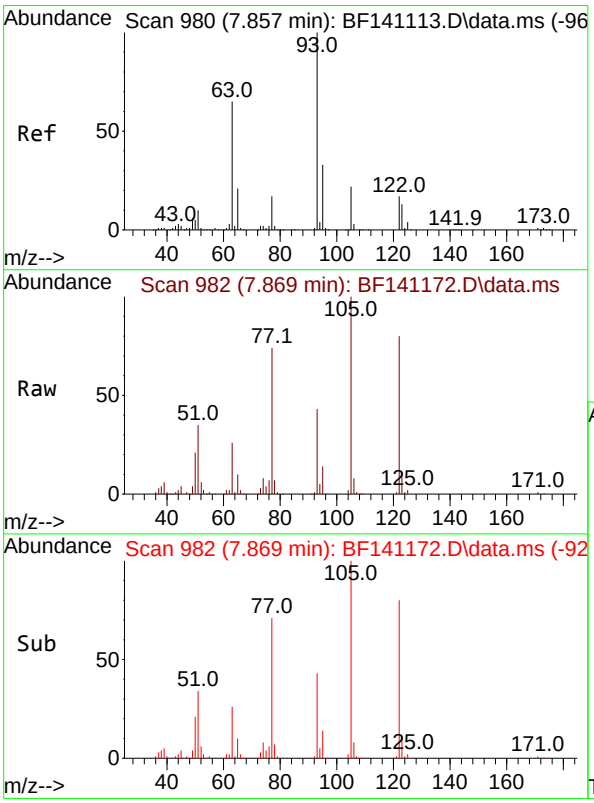

#31
Naphthalene
Concen: 49.832 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:128 Resp: 1300768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 9.0 | 13.6 |
| 127 | 13.5 | 10.8 | 16.2 |

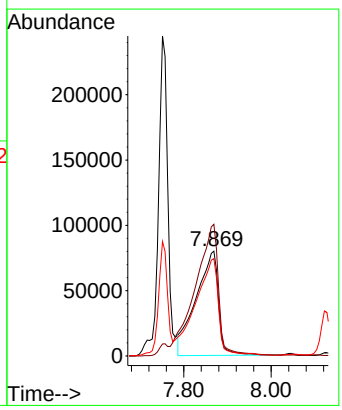


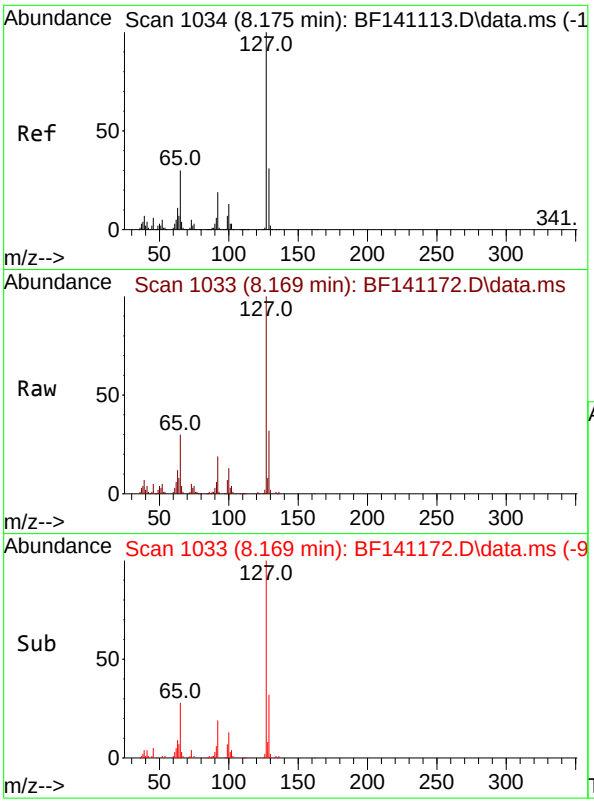




#32
Benzoic acid
Concen: 50.086 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.012 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:122 Resp: 286894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 125.6 | 105.5 | 145.5 |
| 77 | 92.9 | 75.1 | 115.1 |



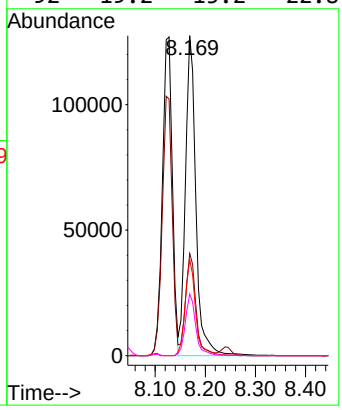


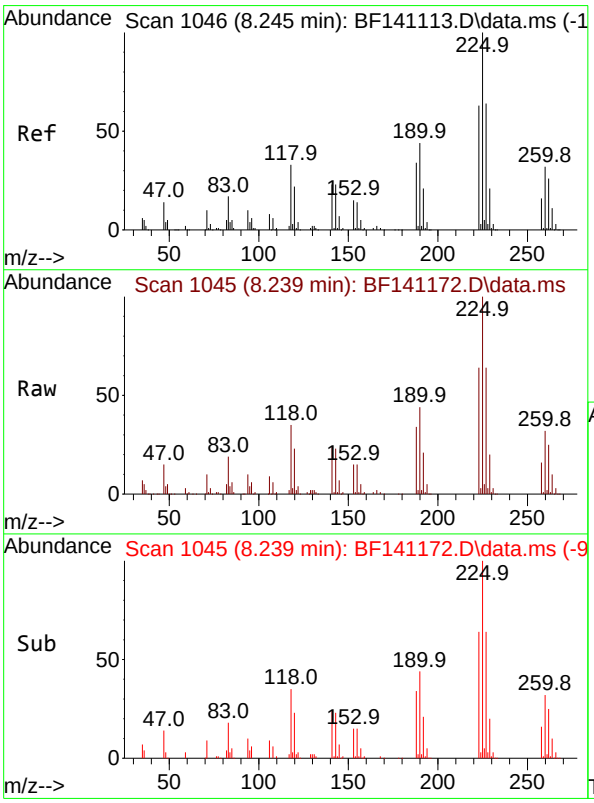

#33
4-Chloroaniline
Concen: 20.652 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:127 Resp: 186433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.9 | 25.9 | 38.9 |
| 65 | 30.0 | 23.8 | 35.8 |
| 92 | 19.2 | 15.2 | 22.8 |

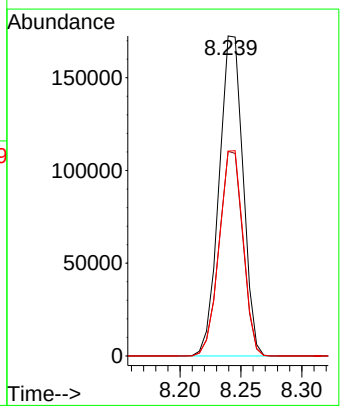


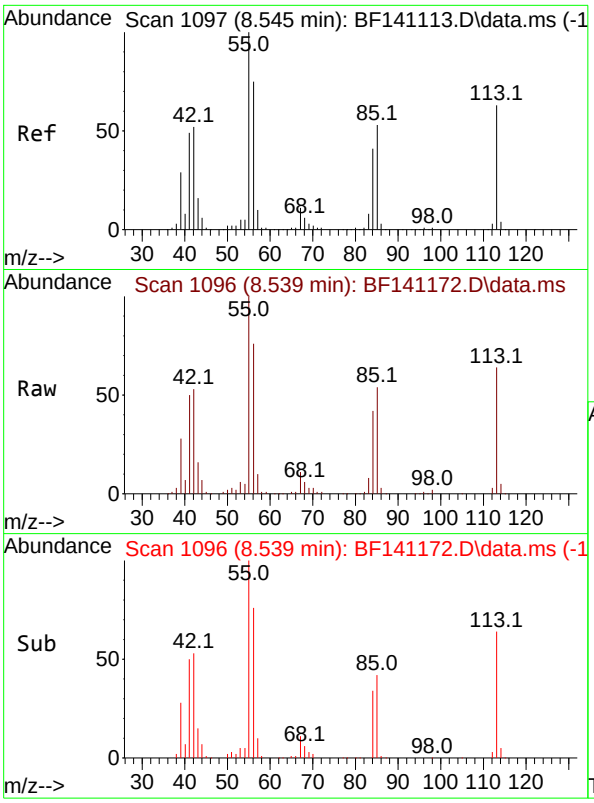




#34
Hexachlorobutadiene
Concen: 48.271 ng
RT: 8.239 min Scan# 1045
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:225 Resp: 235776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.9 | 50.6 | 76.0 |
| 227 | 64.0 | 51.6 | 77.4 |



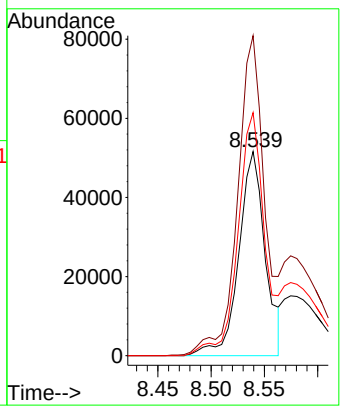


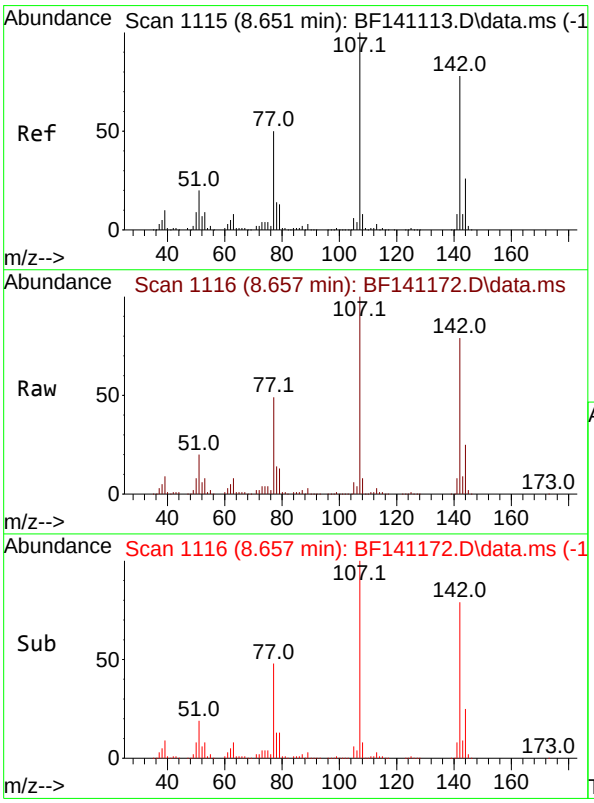

#35
Caprolactam
Concen: 38.202 ng
RT: 8.539 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:113 Resp: 88699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 156.8 | 139.7 | 179.7 |
| 56 | 119.1 | 99.4 | 139.4 |

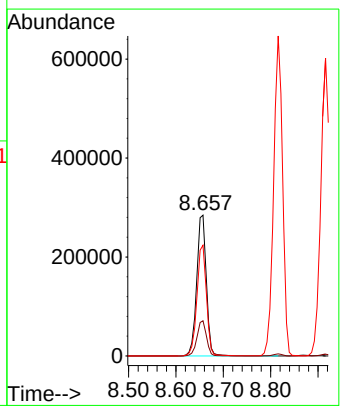


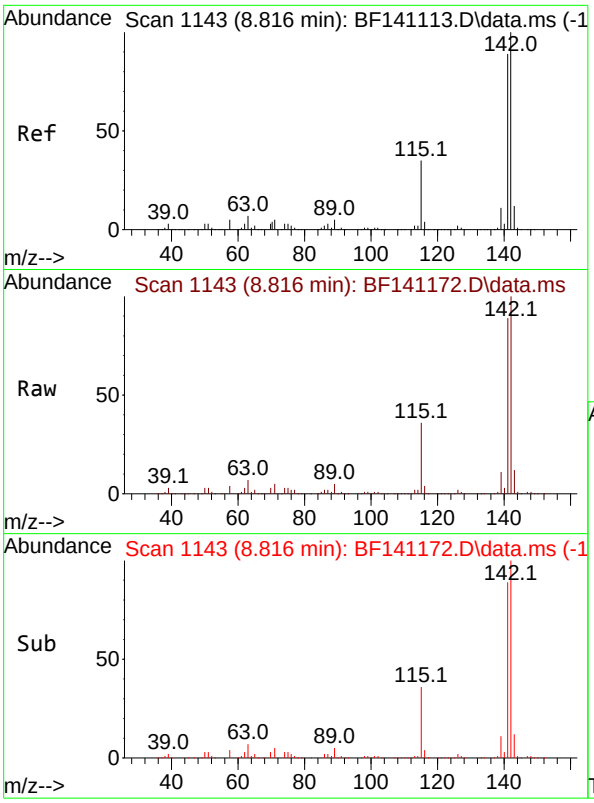




#36
4-Chloro-3-methylphenol
Concen: 51.983 ng
RT: 8.657 min Scan# 1116
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:107 Resp: 403179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.0 | 20.4 | 30.6 |
| 142 | 78.7 | 62.2 | 93.2 |



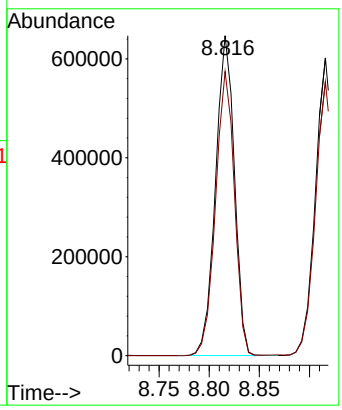


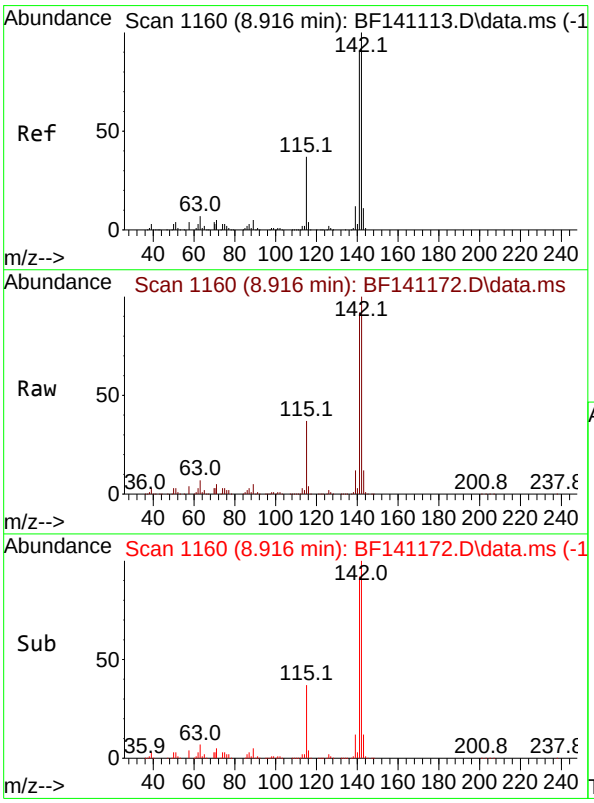

#37
2-Methylnaphthalene
Concen: 50.852 ng
RT: 8.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:142 Resp: 845856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.8 | 71.3 | 106.9 |

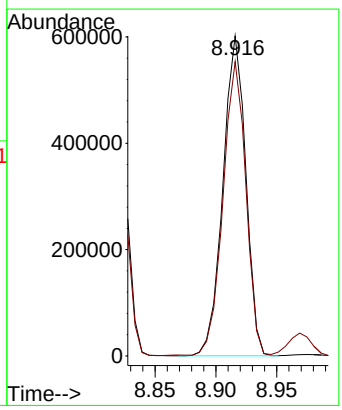


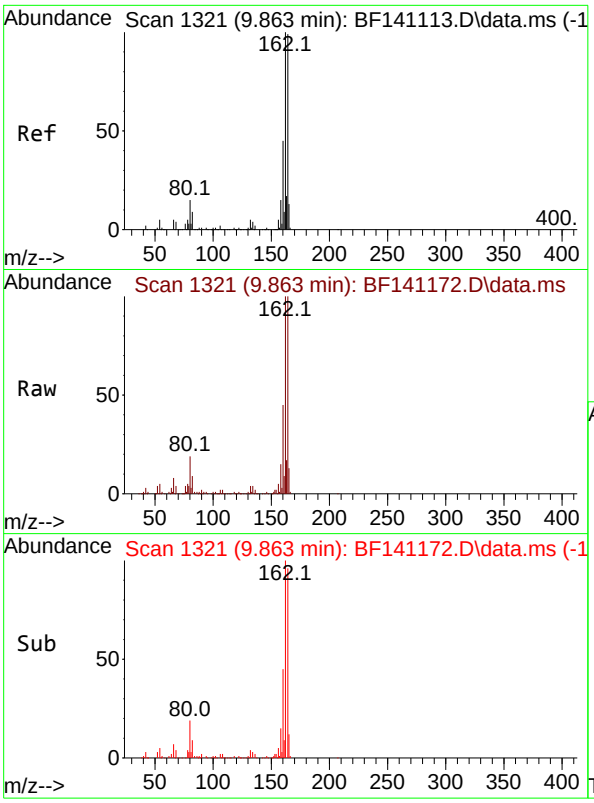




#38
1-Methylnaphthalene
Concen: 47.844 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:142 Resp: 784309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.0 | 73.1 | 109.7 |



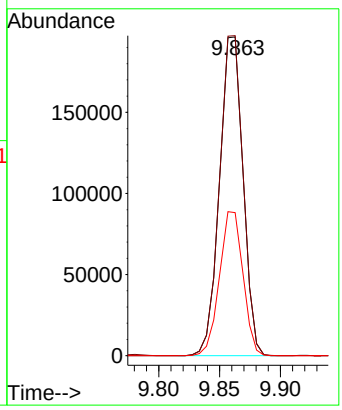


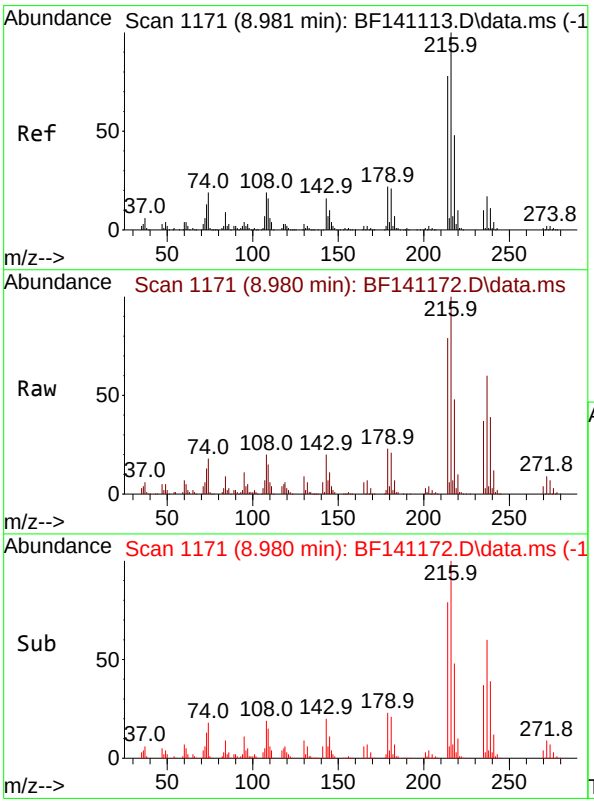

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:164 Resp: 264175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.4 | 81.0 | 121.4 |
| 160 | 44.9 | 36.1 | 54.1 |

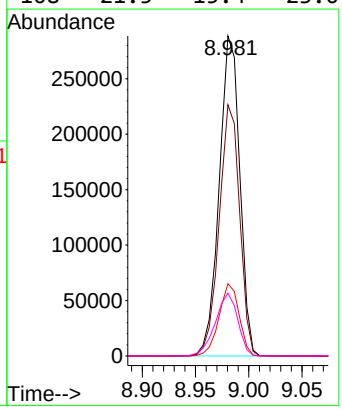


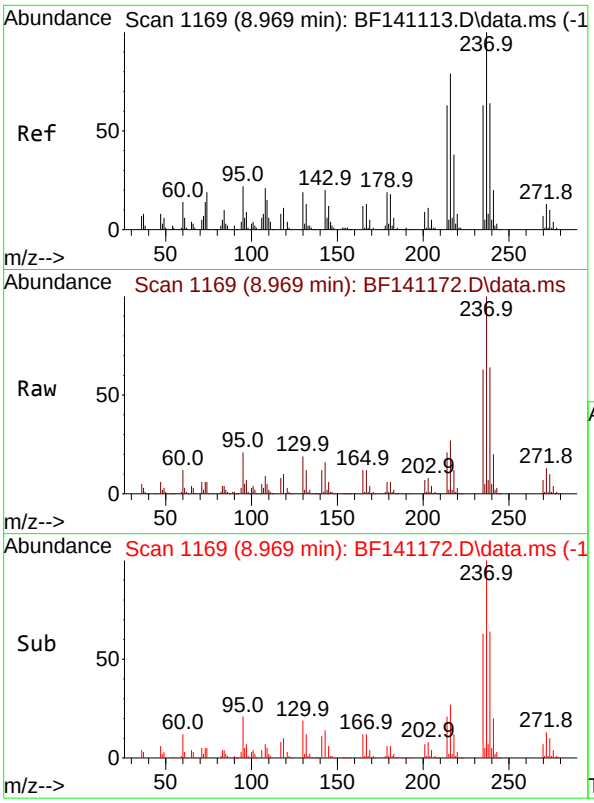




#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.905 ng
RT: 8.980 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:216 Resp: 385980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.2 | 62.6 | 94.0 |
| 179 | 22.2 | 17.7 | 26.5 |
| 108 | 21.5 | 15.4 | 23.0 |



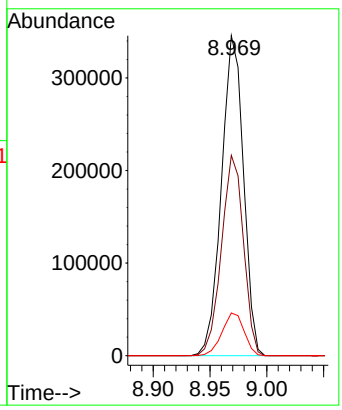


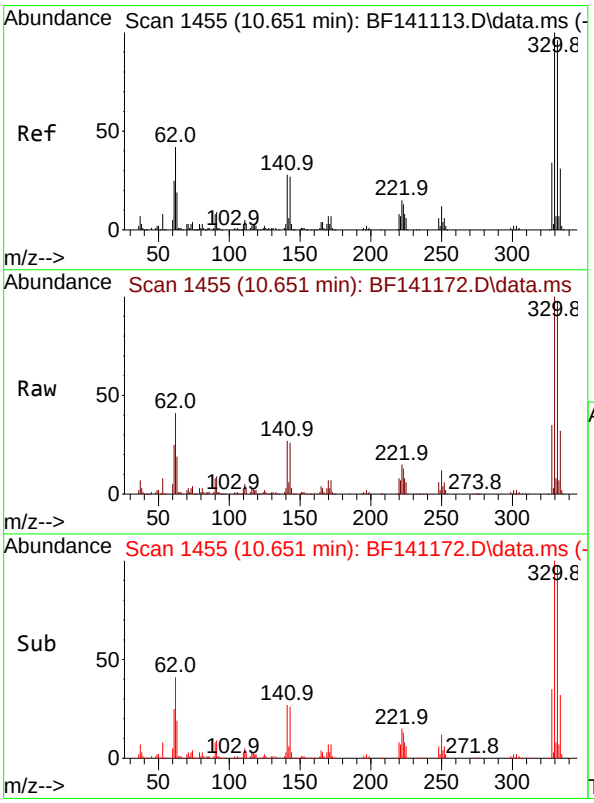

#41
Hexachlorocyclopentadiene
Concen: 187.848 ng
RT: 8.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:237 Resp: 465991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.6 | 43.0 | 83.0 |
| 272 | 13.3 | 0.0 | 33.0 |

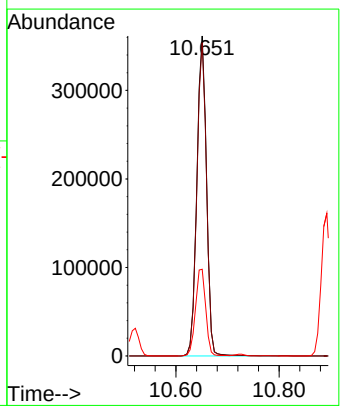


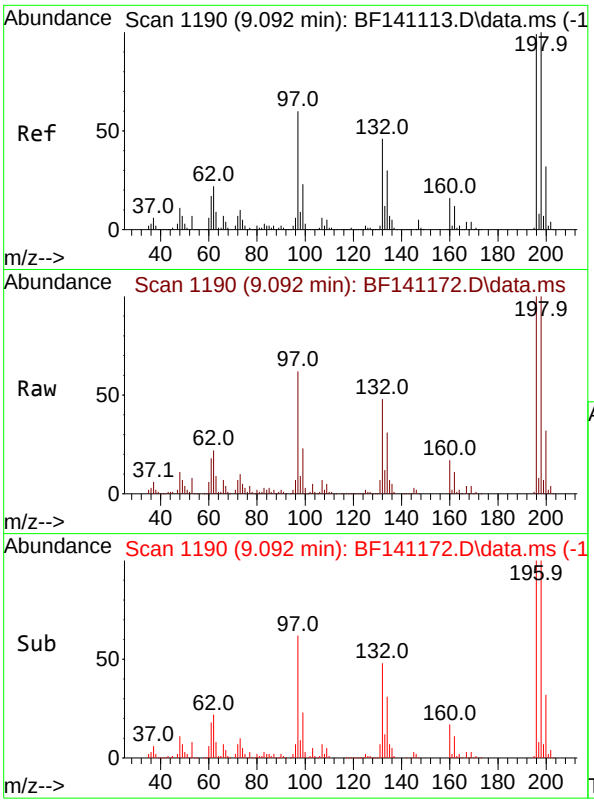




#42
2,4,6-Tribromophenol
Concen: 155.580 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:330 Resp: 468311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.0 | 76.9 | 115.3 |
| 141 | 28.8 | 25.2 | 37.8 |



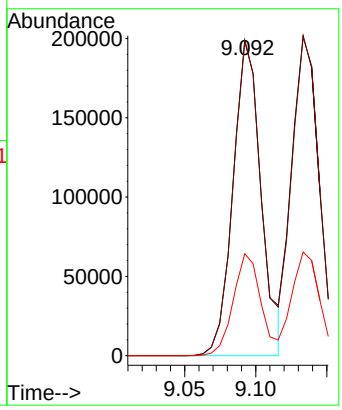


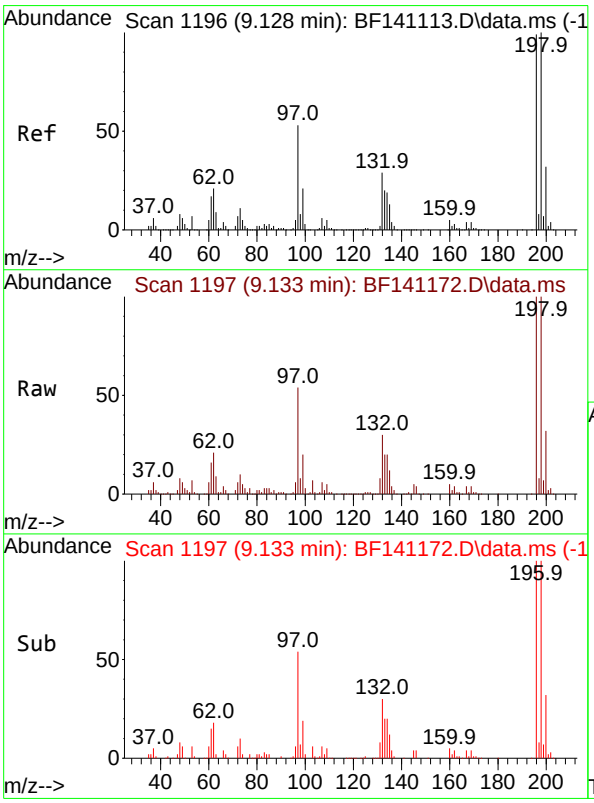

#43
2,4,6-Trichlorophenol
Concen: 53.267 ng
RT: 9.092 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:196 Resp: 272398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.5 | 80.8 | 121.2 |
| 200 | 32.3 | 25.7 | 38.5 |

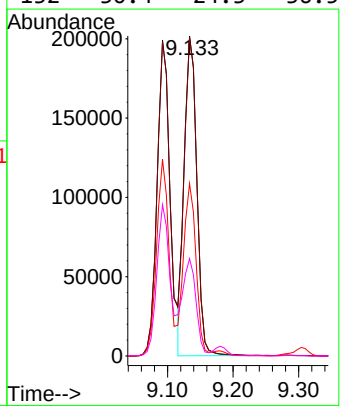


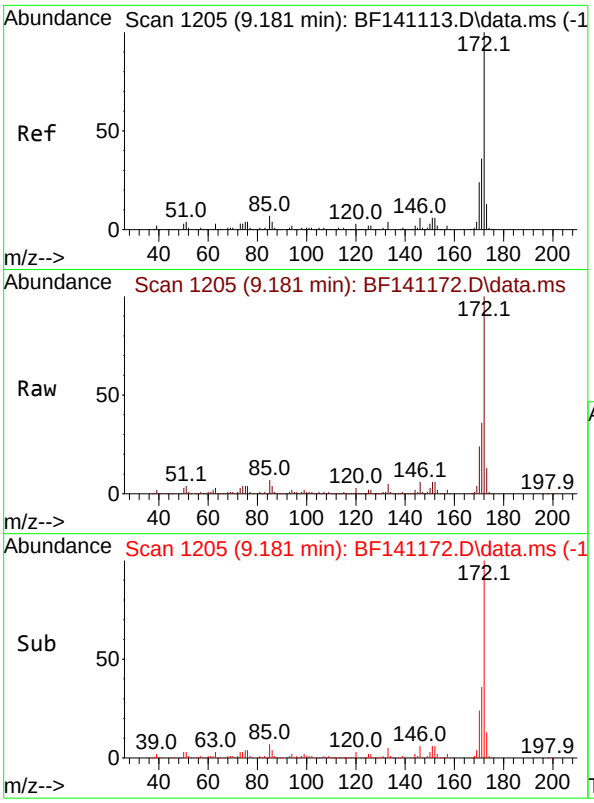




#44
2,4,5-Trichlorophenol
Concen: 50.006 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:196 Resp: 270073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.6 | 80.6 | 120.8 |
| 97 | 53.9 | 43.1 | 64.7 |
| 132 | 30.4 | 24.3 | 36.5 |



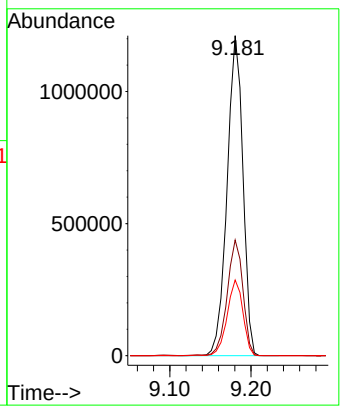


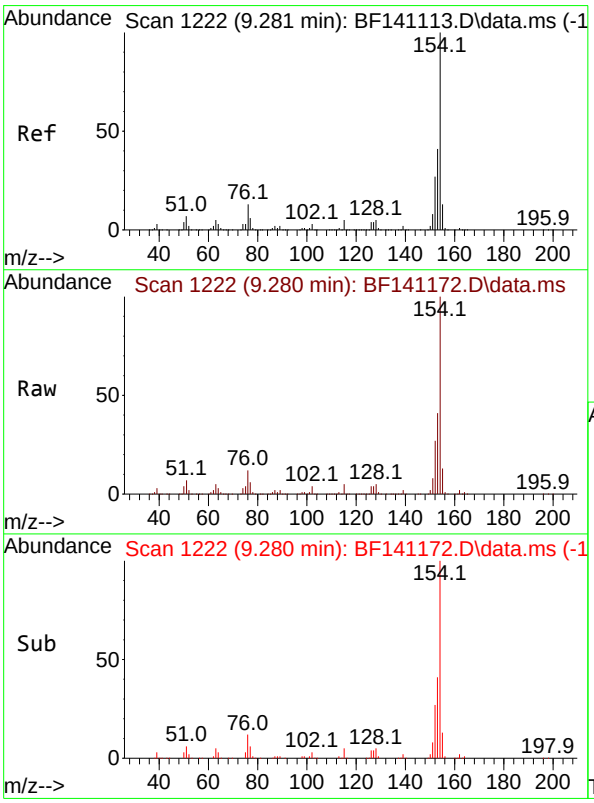

#45
2-Fluorobiphenyl
Concen: 94.797 ng
RT: 9.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:172 Resp: 1639957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 28.7 | 43.1 |
| 170 | 23.7 | 19.0 | 28.6 |

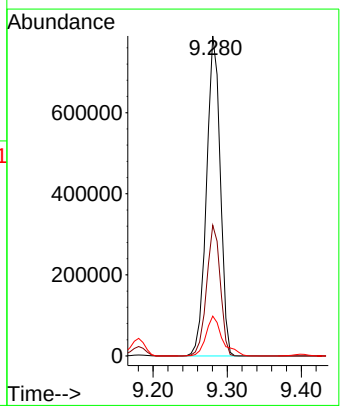


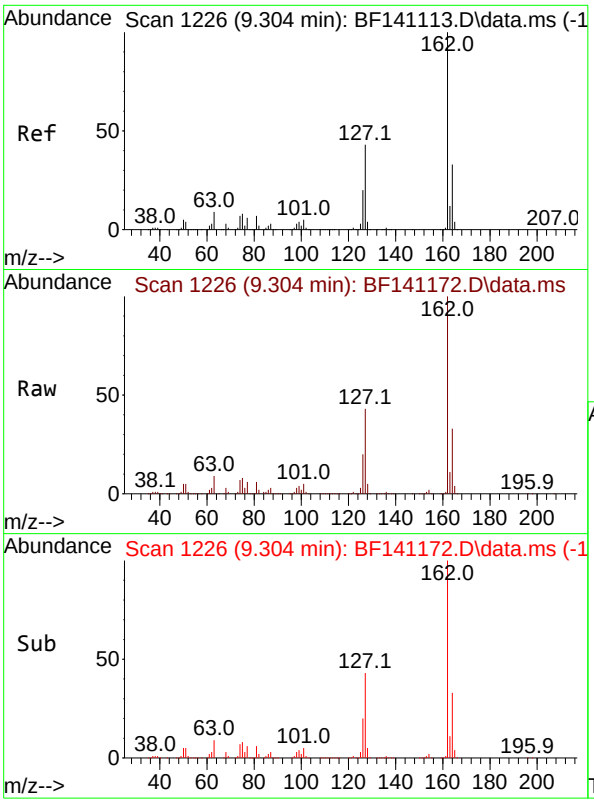




#46
1,1'-Biphenyl
Concen: 49.545 ng
RT: 9.280 min Scan# 1222
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:154 Resp: 1016465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.8 | 20.7 | 60.7 |
| 76 | 12.5 | 0.0 | 33.1 |



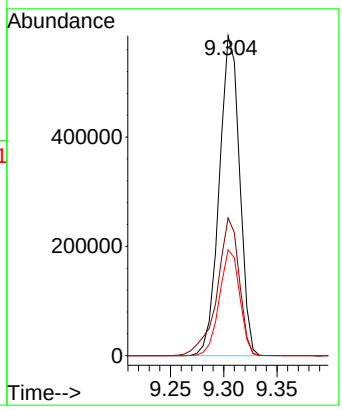


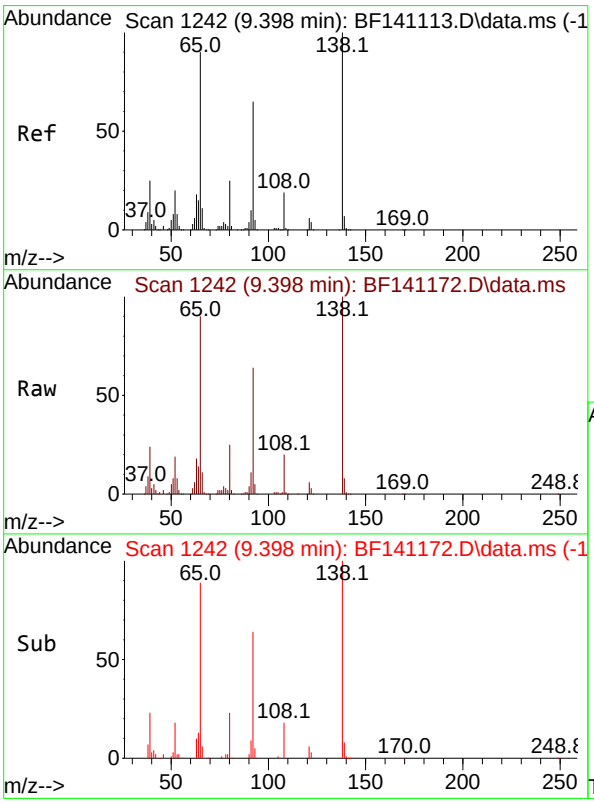

#47
2-Chloronaphthalene
Concen: 48.651 ng
RT: 9.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:162 Resp: 777411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.1 | 34.6 | 51.8 |
| 164 | 33.1 | 26.5 | 39.7 |

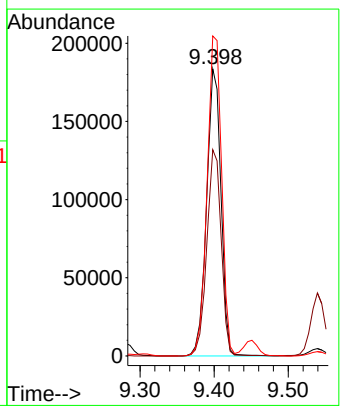


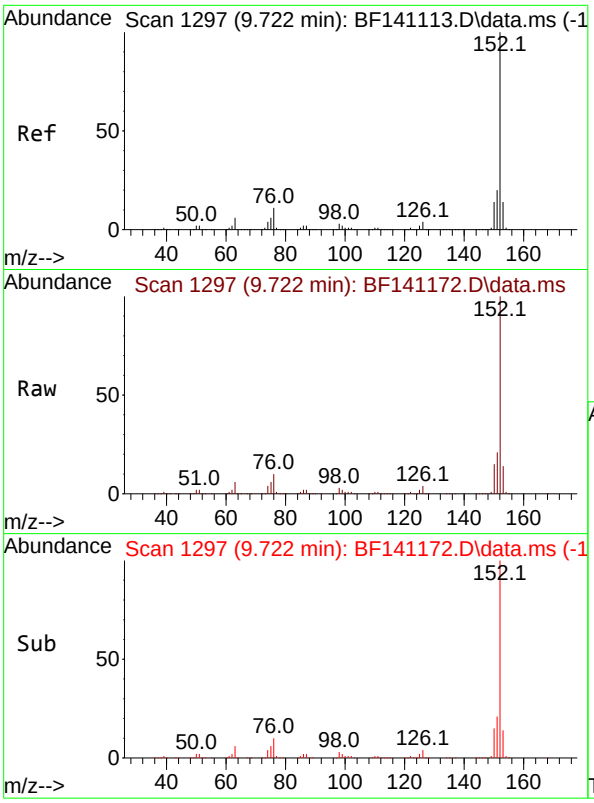




#48
2-Nitroaniline
Concen: 52.239 ng
RT: 9.398 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion: 65 Resp: 247443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.9 | 58.3 | 87.5 |
| 138 | 111.5 | 89.1 | 133.7 |



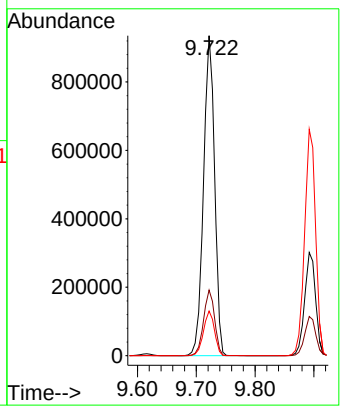


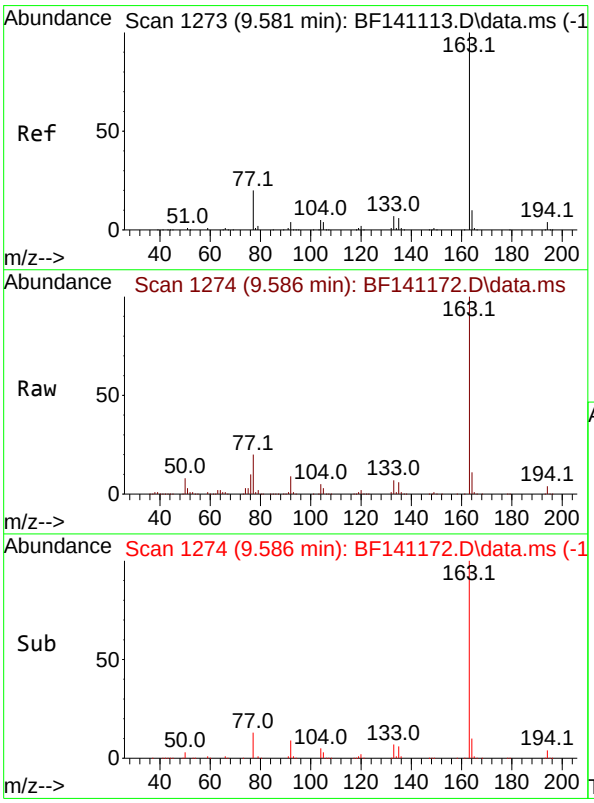

#49
Acenaphthylene
Concen: 53.506 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:152 Resp: 1221518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.1 | 24.1 |
| 153 | 13.9 | 11.1 | 16.7 |

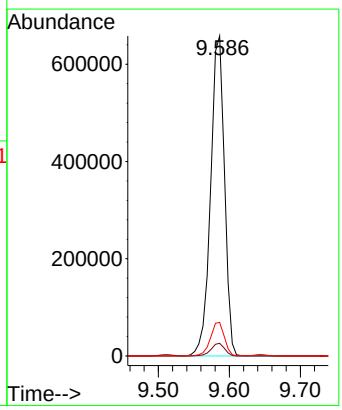


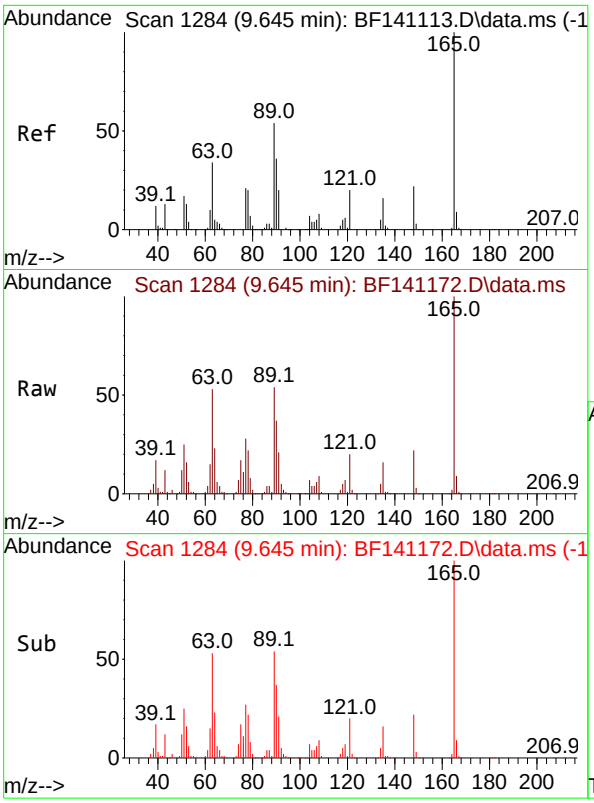




#50
Dimethylphthalate
Concen: 50.400 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:163 Resp: 893858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.0 | 4.6 |
| 164 | 10.5 | 8.2 | 12.4 |



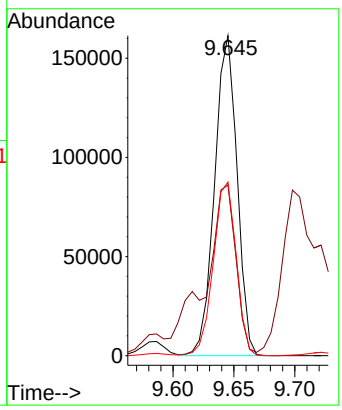


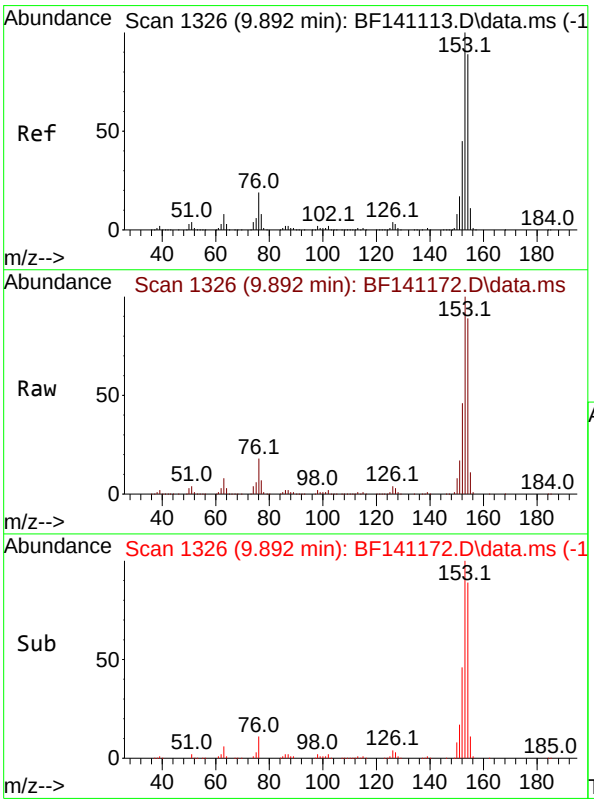

#51
2,6-Dinitrotoluene
Concen: 50.295 ng
RT: 9.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:165 Resp: 207427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.3 | 42.3 | 63.5 |
| 89 | 54.3 | 43.1 | 64.7 |

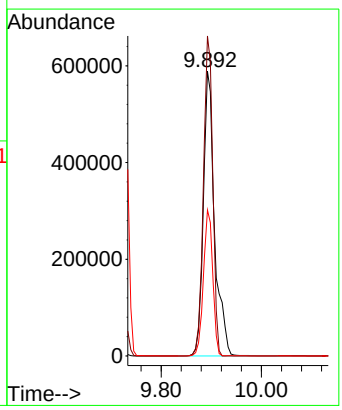


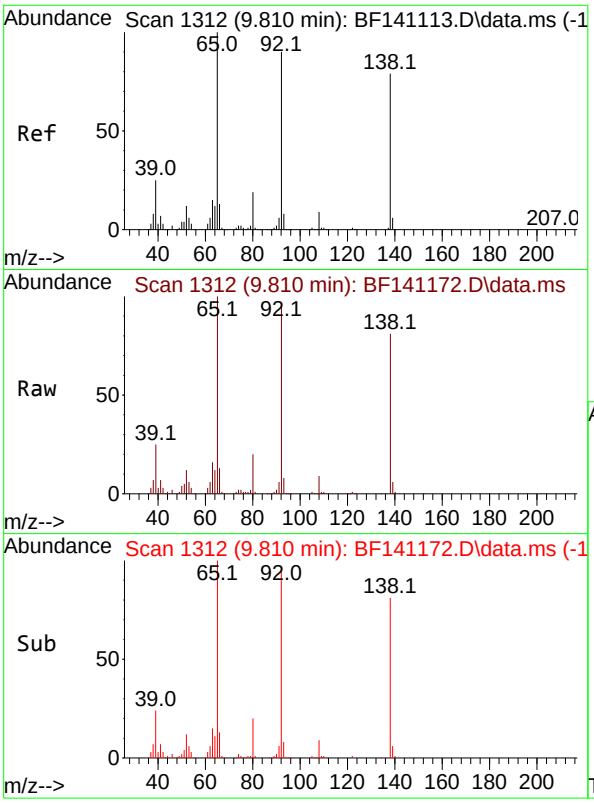




#52
Acenaphthene
Concen: 57.563 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:154 Resp: 918132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.5 | 89.8 | 134.6 |
| 152 | 51.3 | 40.8 | 61.2 |



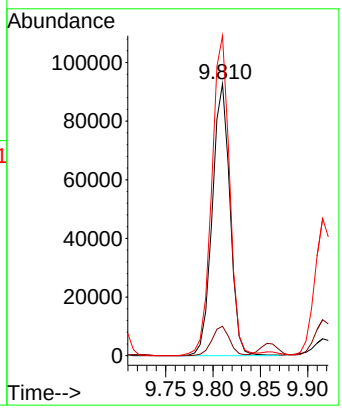


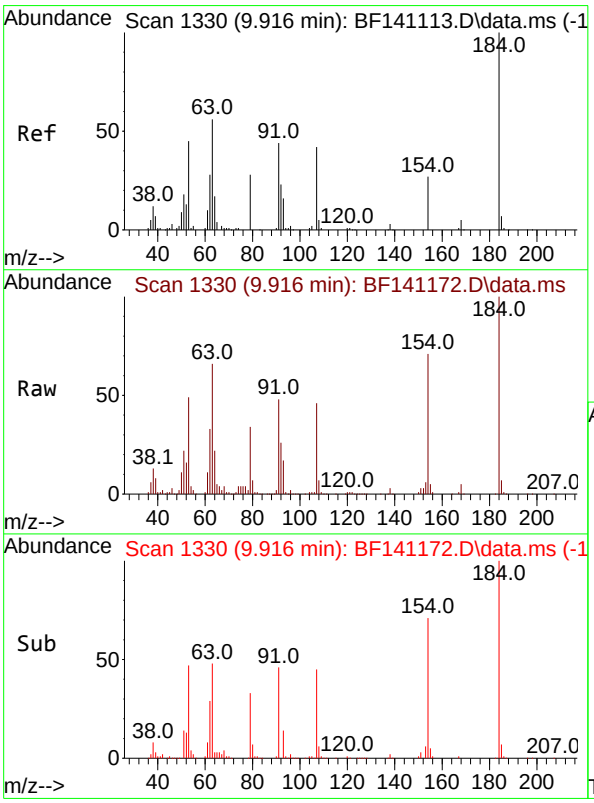

#53
3-Nitroaniline
Concen: 28.662 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:138 Resp: 120126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.8 | 8.8 | 13.2 |
| 92 | 117.7 | 91.3 | 136.9 |

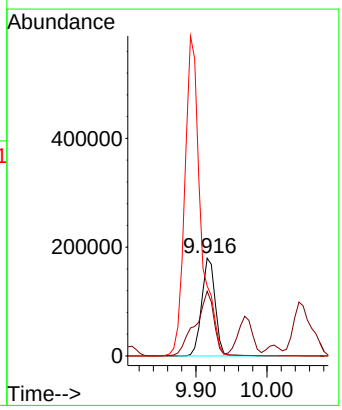


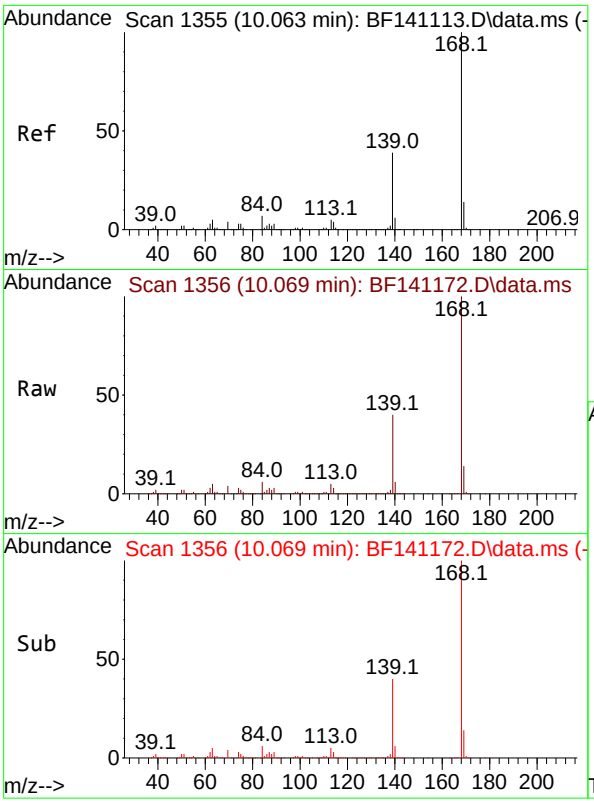




#54
2,4-Dinitrophenol
Concen: 122.030 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:184 Resp: 239218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 66.2 | 48.7 | 73.1 |
| 154 | 71.5 | 57.1 | 85.7 |



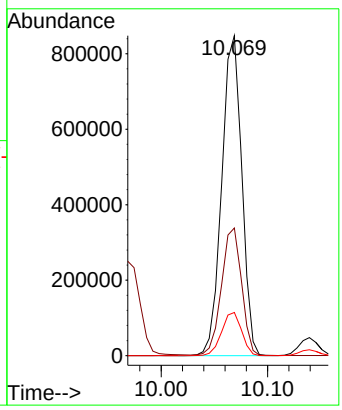


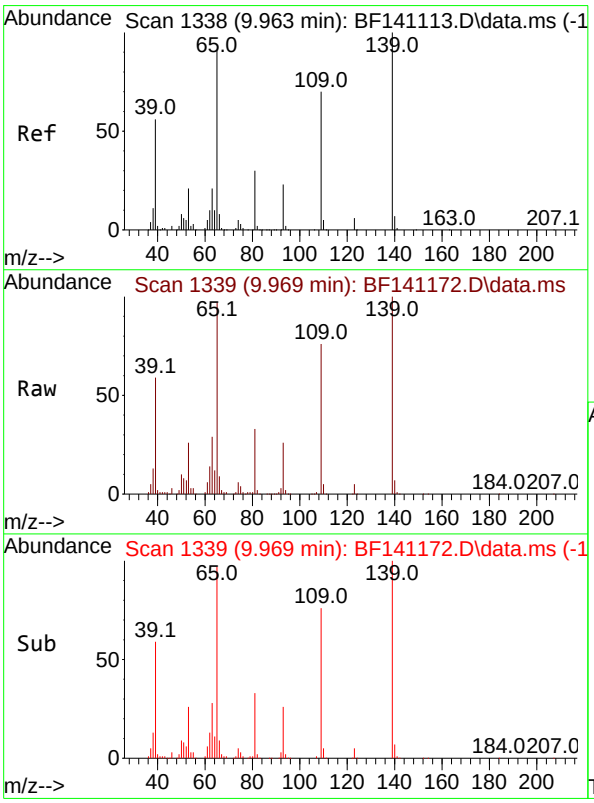

#55
Dibenzofuran
Concen: 51.016 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:168 Resp: 1106789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.9 | 31.4 | 47.0 |
| 169 | 13.5 | 10.9 | 16.3 |

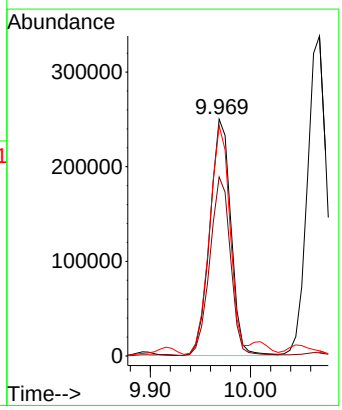


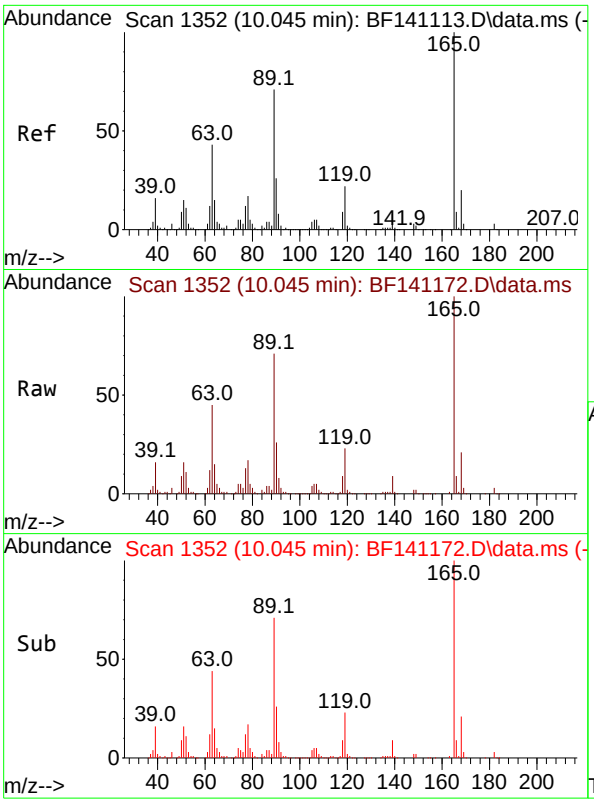




#56
4-Nitrophenol
Concen: 110.972 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:139 Resp: 364246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 75.6 | 50.2 | 90.2 |
| 65 | 97.2 | 72.1 | 112.1 |



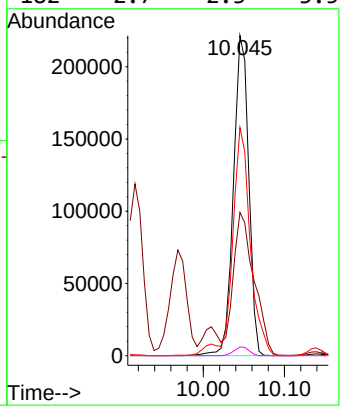


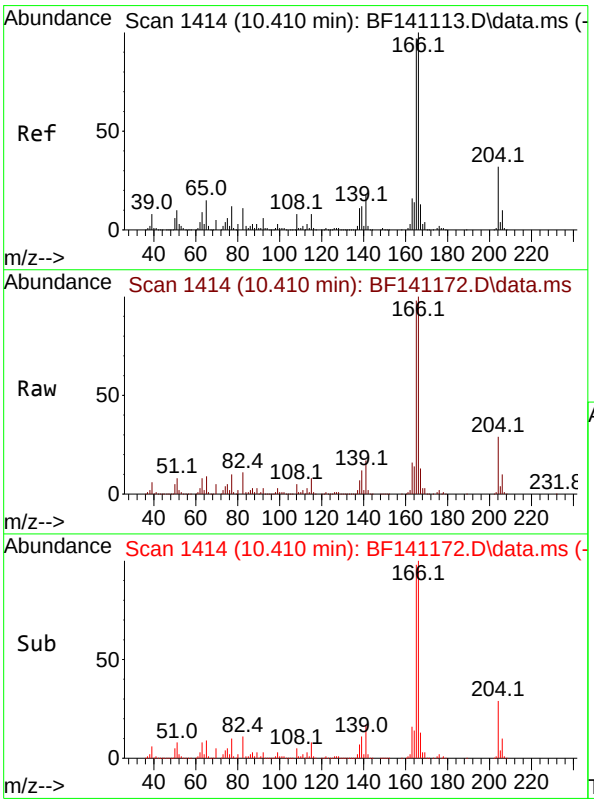

#57
2,4-Dinitrotoluene
Concen: 54.319 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:165 Resp: 288706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 44.8 | 35.0 | 52.4 |
| 89 | 71.3 | 56.7 | 85.1 |
| 182 | 2.7 | 2.3 | 3.5 |

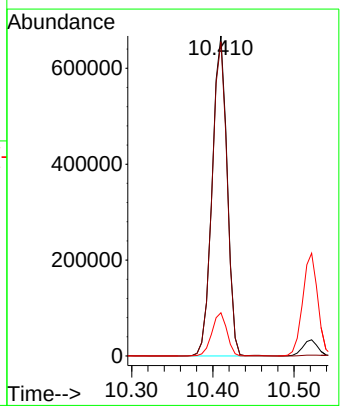


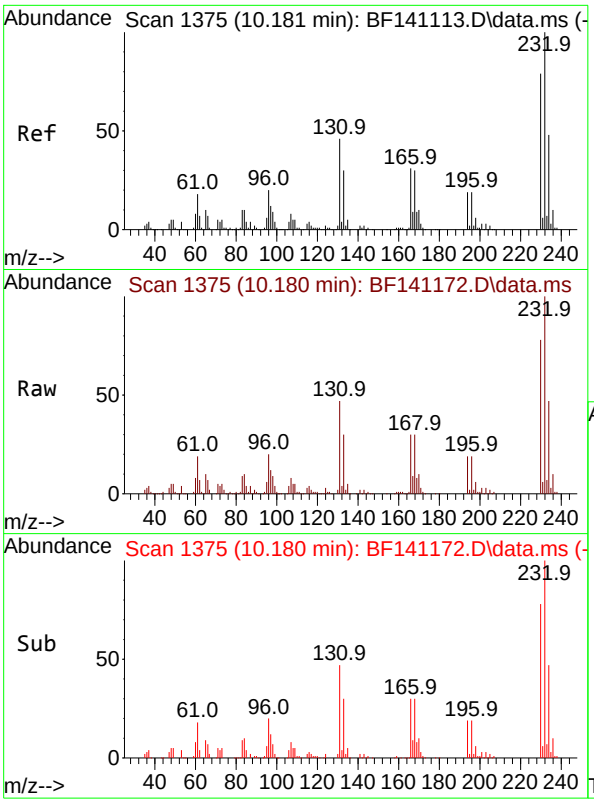




#58
Fluorene
Concen: 50.654 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:166 Resp: 853769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.2 | 77.8 | 116.8 |
| 167 | 13.5 | 10.8 | 16.2 |



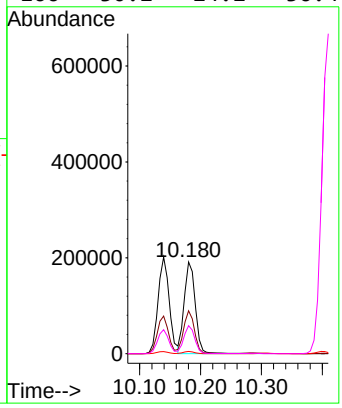


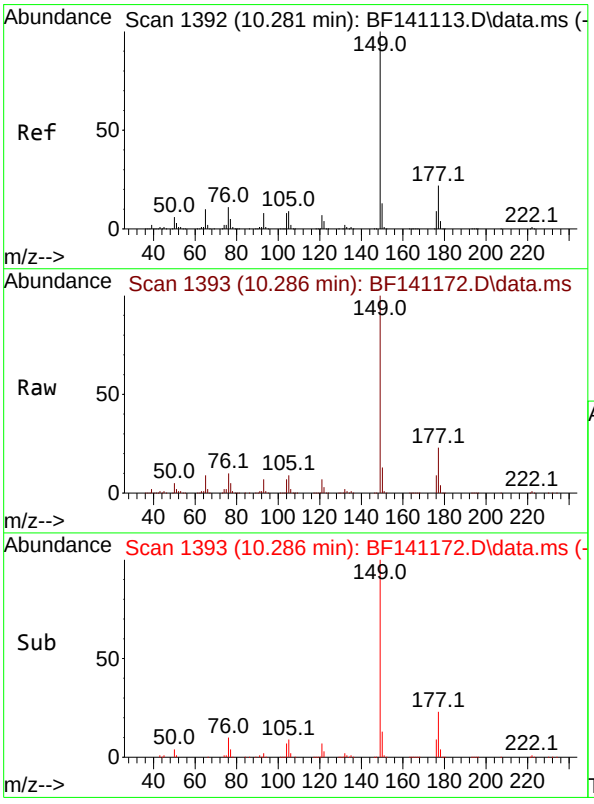

#59
2,3,4,6-Tetrachlorophenol
Concen: 53.911 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:232 Resp: 242021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.8 | 36.2 | 54.4 |
| 130 | 2.5 | 2.0 | 3.0 |
| 166 | 30.2 | 24.2 | 36.4 |

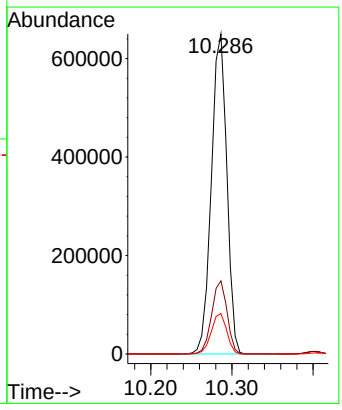


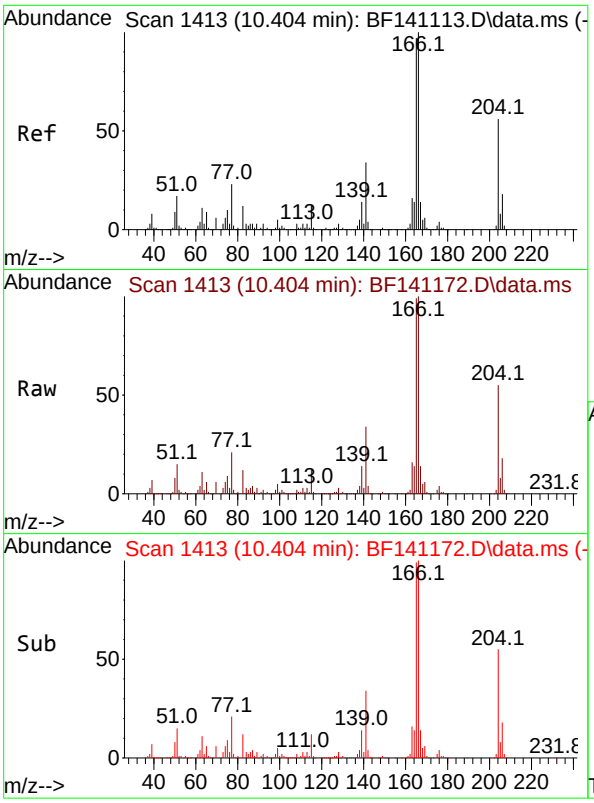




#60
Diethylphthalate
Concen: 49.710 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:149 Resp: 860679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.9 | 17.9 | 26.9 |
| 150 | 12.6 | 10.2 | 15.2 |



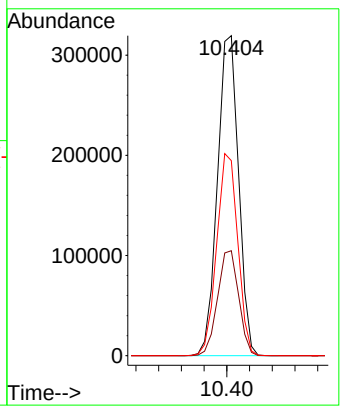


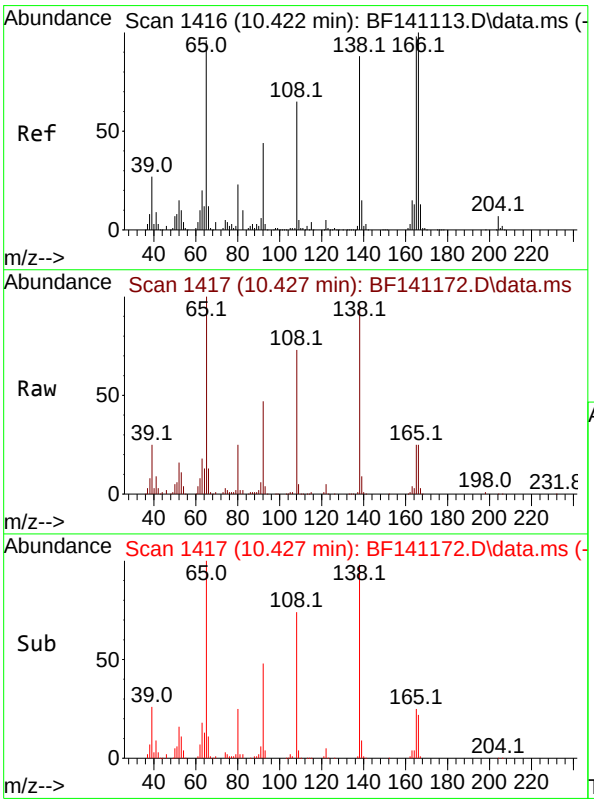

#61
4-Chlorophenyl-phenylether
Concen: 50.262 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:204 Resp: 412896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.8 | 25.9 | 38.9 |
| 141 | 60.9 | 49.1 | 73.7 |

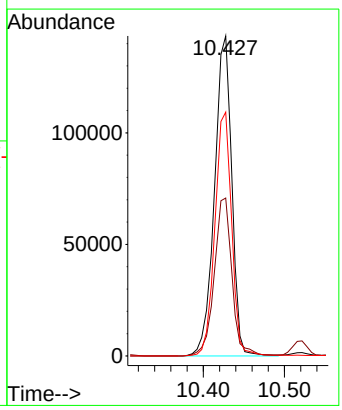


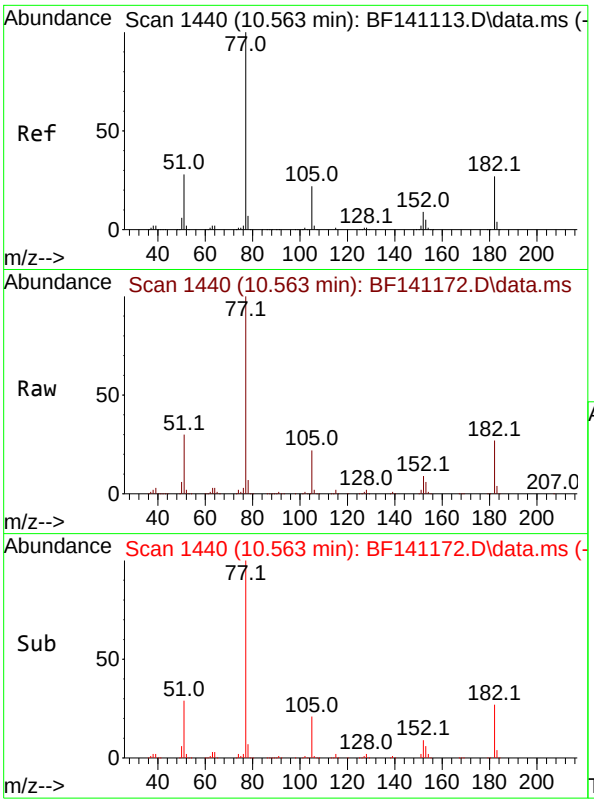




#62
4-Nitroaniline
Concen: 51.787 ng
RT: 10.427 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:138 Resp: 212430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.4 | 29.4 | 69.4 |
| 108 | 76.2 | 53.7 | 93.7 |



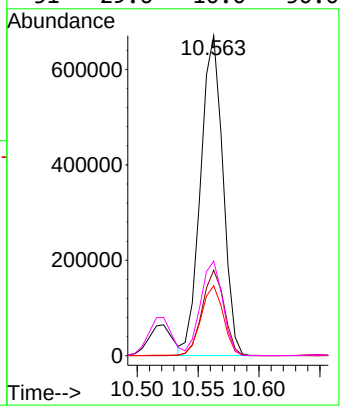


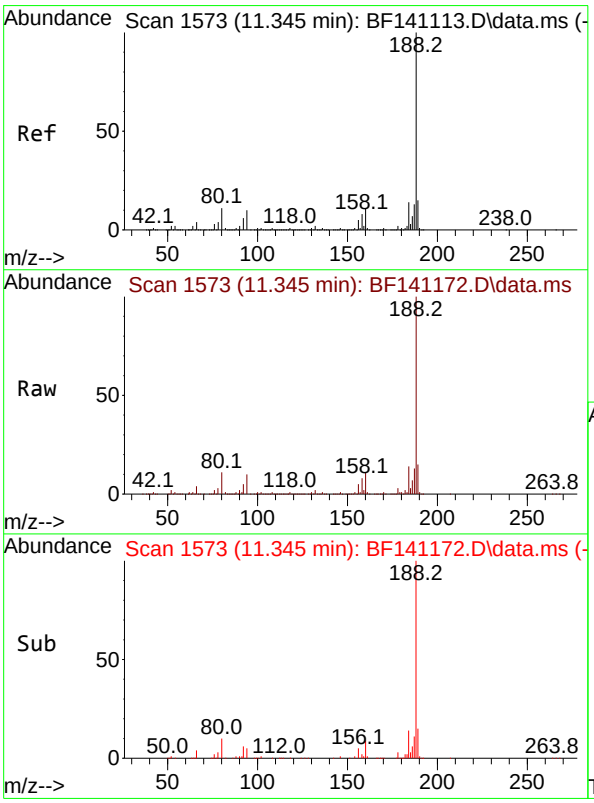

#63
Azobenzene
Concen: 49.994 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion: 77 Resp: 854110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.7 | 6.1 | 46.1 |
| 105 | 21.9 | 2.1 | 42.1 |
| 51 | 29.6 | 10.0 | 50.0 |

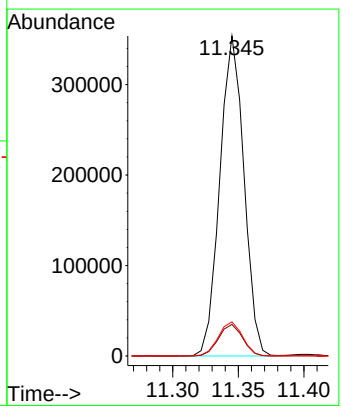


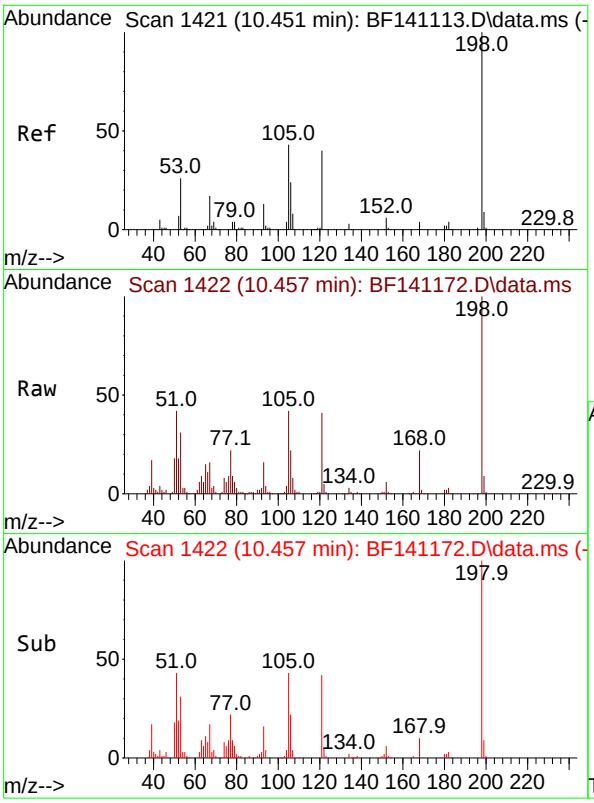




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:188 Resp: 452645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.8 | 8.3 | 12.5 |
| 80 | 10.7 | 9.0 | 13.4 |



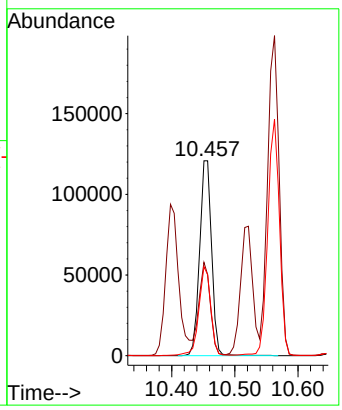


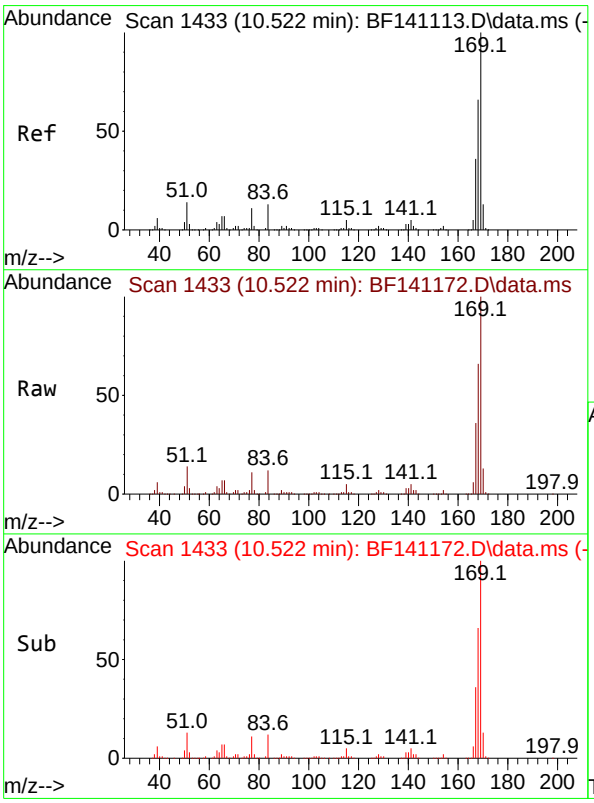

#65
4,6-Dinitro-2-methylphenol
Concen: 60.767 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:198 Resp: 159388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 41.5 | 27.1 | 67.1 |
| 105 | 41.5 | 24.2 | 64.2 |

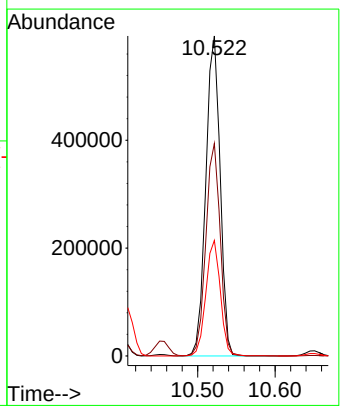


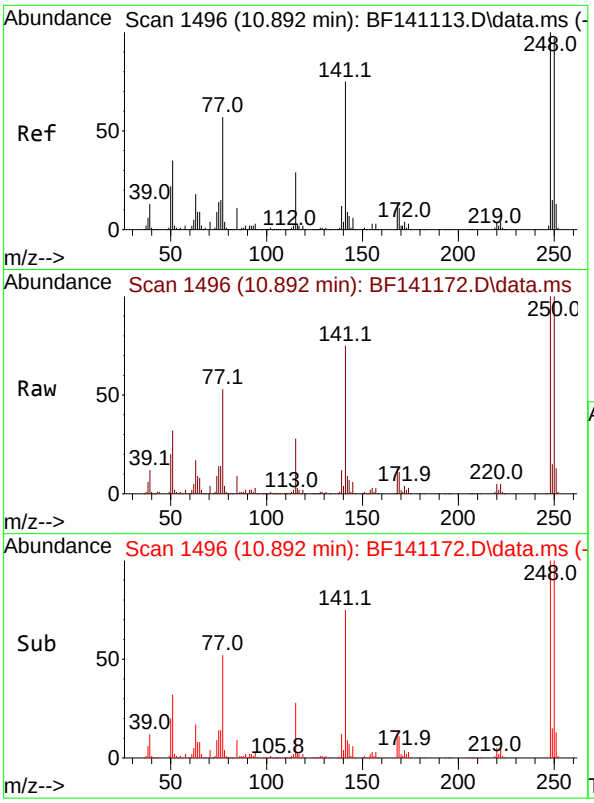




#66
n-Nitrosodiphenylamine
Concen: 52.076 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:169 Resp: 760298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.4 | 52.5 | 78.7 |
| 167 | 36.1 | 28.9 | 43.3 |



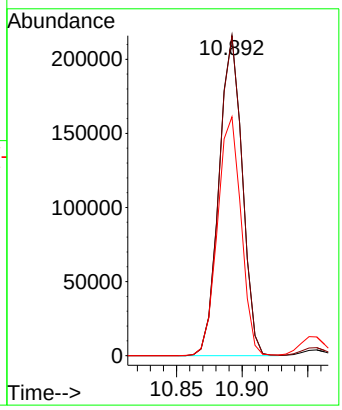


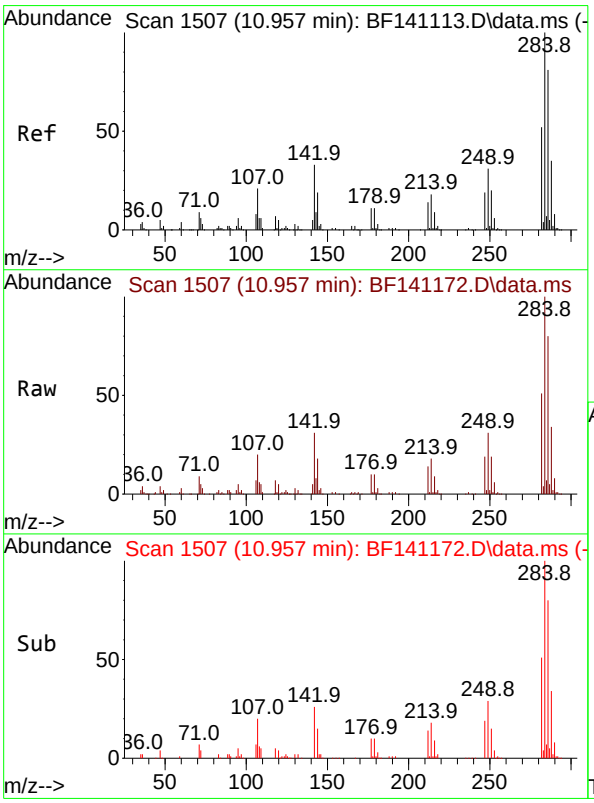

#67
4-Bromophenyl-phenylether
Concen: 51.032 ng
RT: 10.892 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:248 Resp: 265942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.8 | 77.9 | 116.9 |
| 141 | 74.7 | 59.9 | 89.9 |

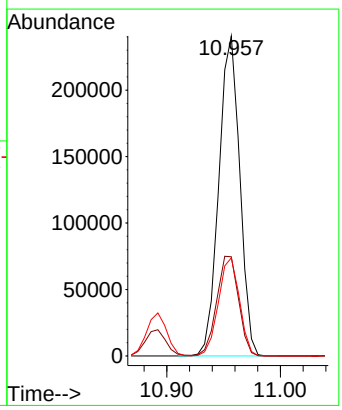


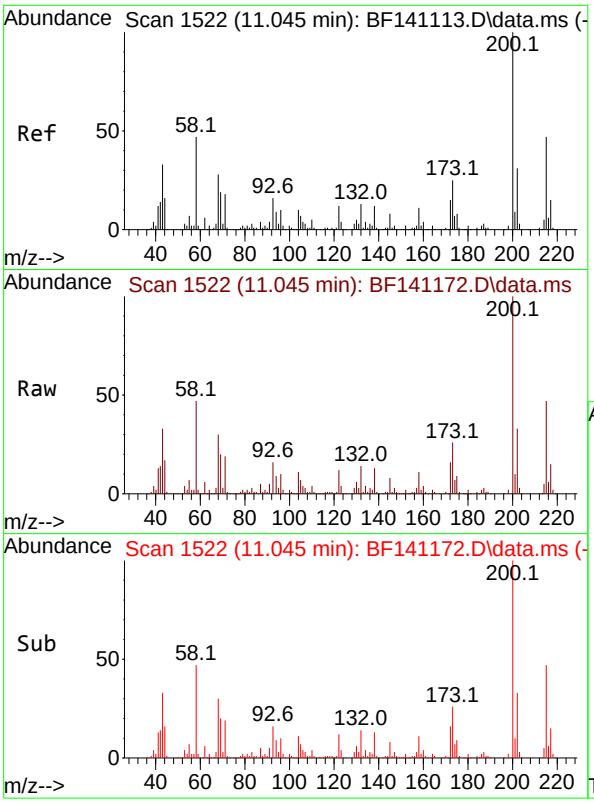




#68
Hexachlorobenzene
Concen: 53.114 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:284 Resp: 308124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.0 | 26.3 | 39.5 |
| 249 | 30.7 | 24.9 | 37.3 |



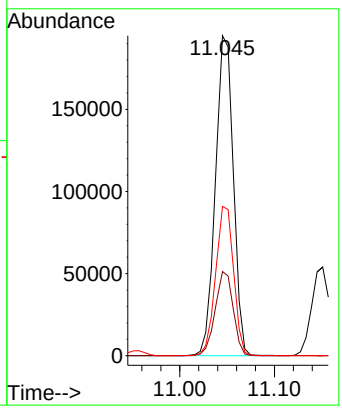


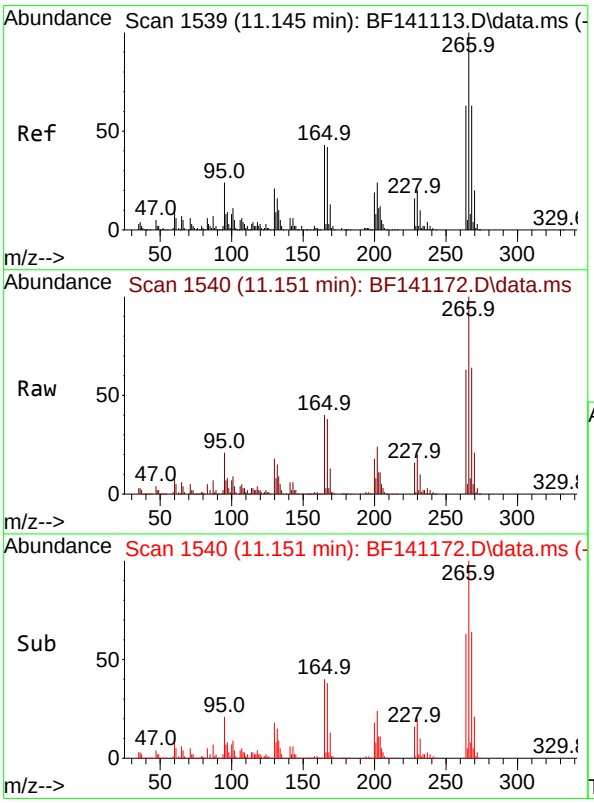

#69
Atrazine
Concen: 65.219 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:200 Resp: 256384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.3 | 5.4 | 45.4 |
| 215 | 46.6 | 26.6 | 66.6 |

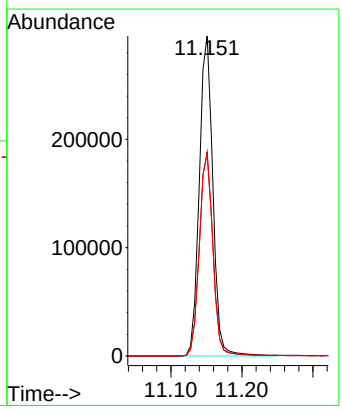


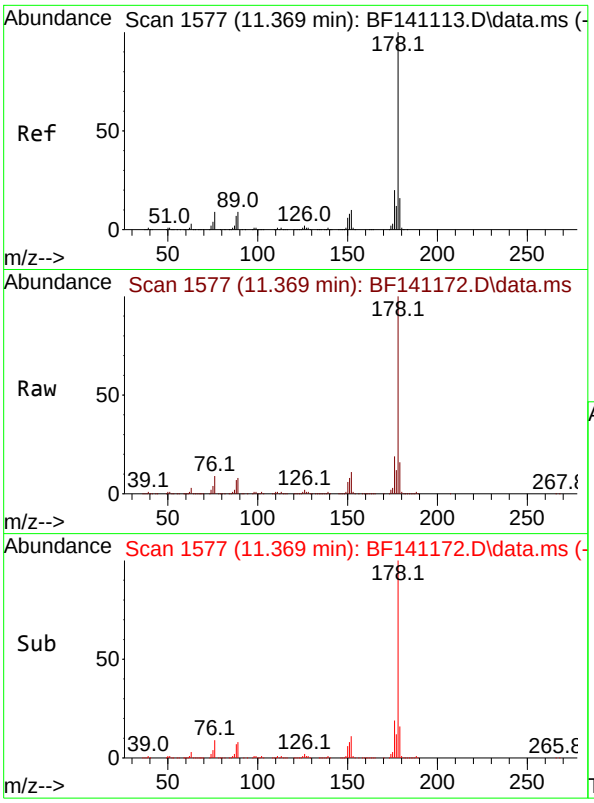




#70
Pentachlorophenol
Concen: 105.741 ng
RT: 11.151 min Scan# 1540
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:266 Resp: 392836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.7 | 50.4 | 75.6 |
| 264 | 63.1 | 50.2 | 75.2 |



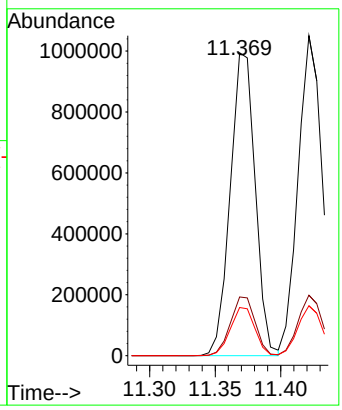


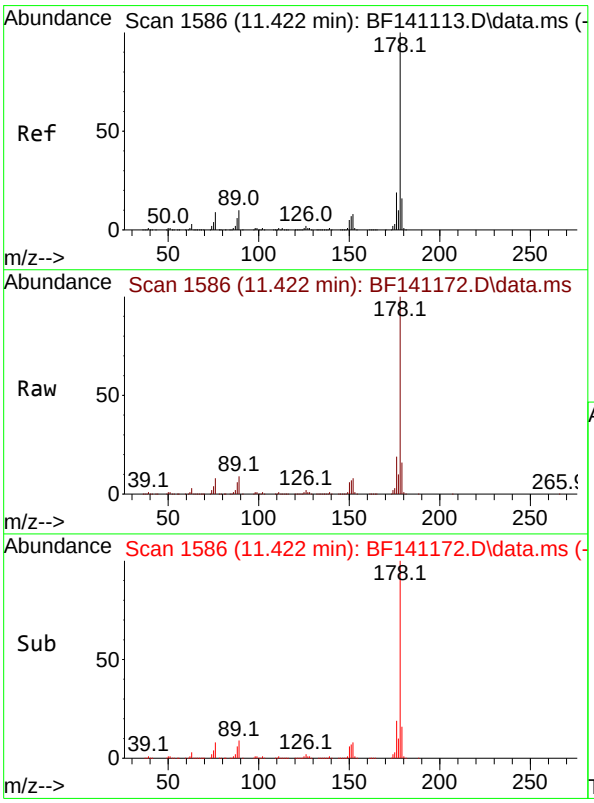

#71
Phenanthrene
Concen: 54.316 ng
RT: 11.369 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:178 Resp: 1319932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.7 | 23.5 |
| 179 | 15.9 | 12.6 | 19.0 |

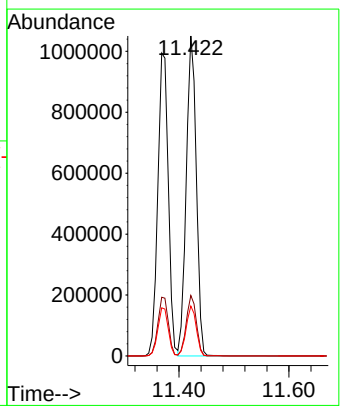


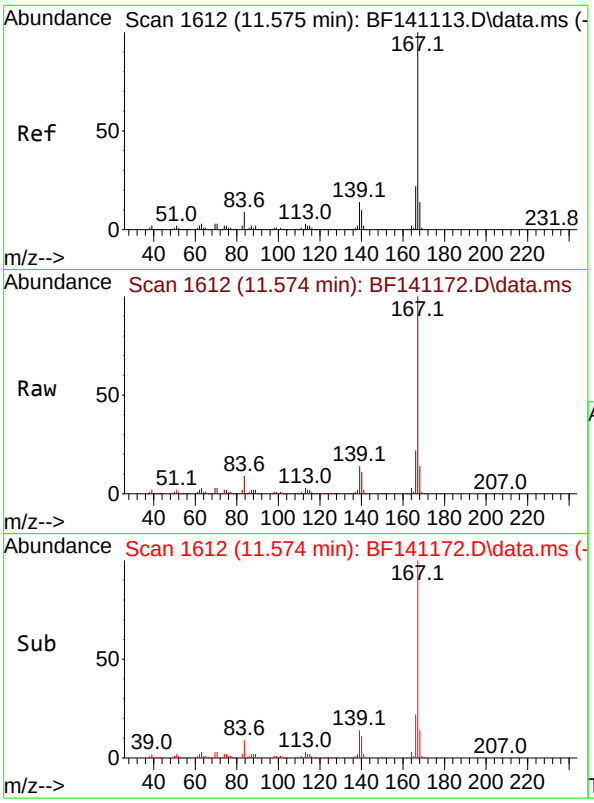




#72
Anthracene
Concen: 56.385 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:178 Resp: 1332321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 14.9 | 22.3 |
| 179 | 15.6 | 12.6 | 19.0 |



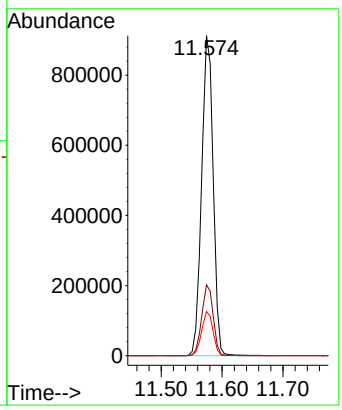


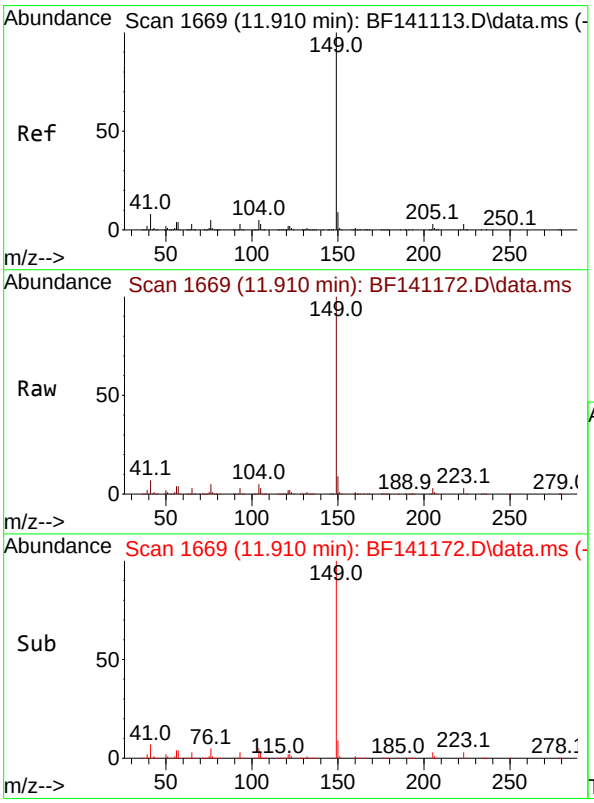

#73
Carbazole
Concen: 55.334 ng
RT: 11.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:167 Resp: 1198881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.1 | 17.4 | 26.2 |
| 139 | 13.8 | 10.9 | 16.3 |

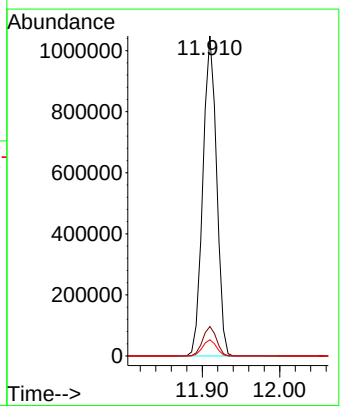


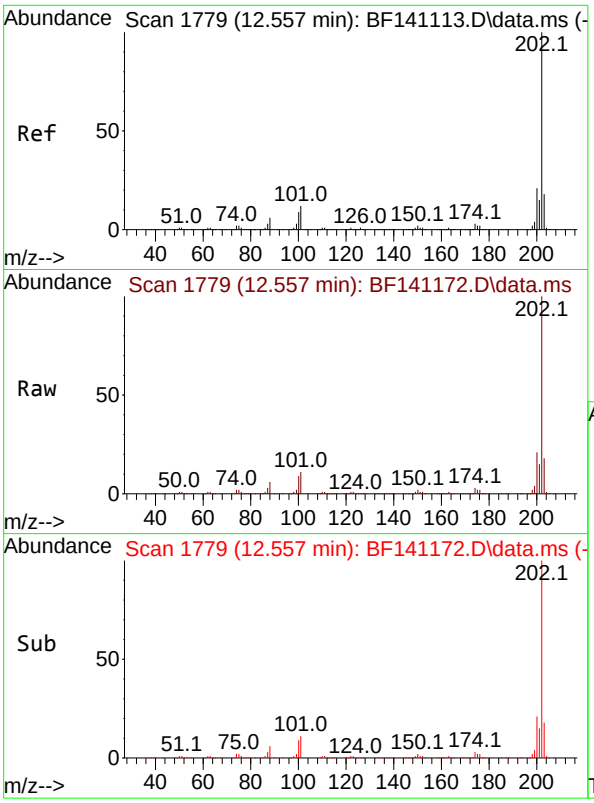




#74
Di-n-butylphthalate
Concen: 51.891 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:149 Resp: 1286652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.4 | 11.2 |
| 104 | 5.1 | 4.2 | 6.2 |



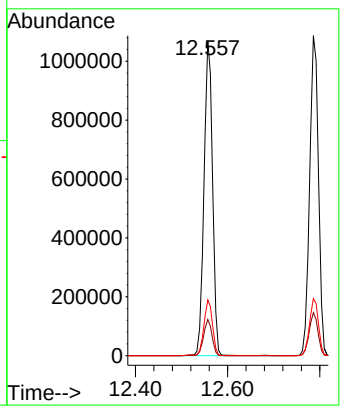


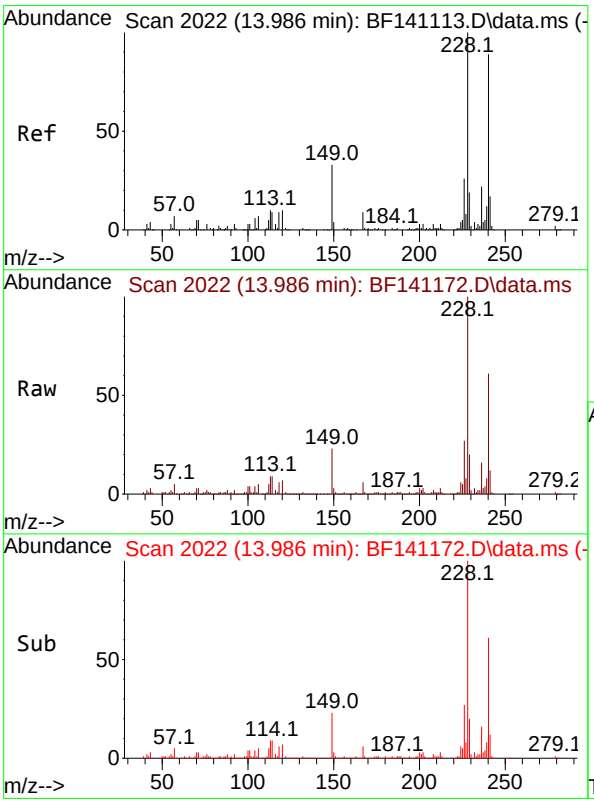

#75
Fluoranthene
Concen: 57.245 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:202 Resp: 1388188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.5 | 0.0 | 32.3 |
| 203 | 17.7 | 0.0 | 37.7 |

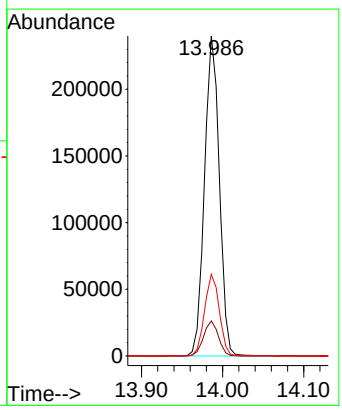


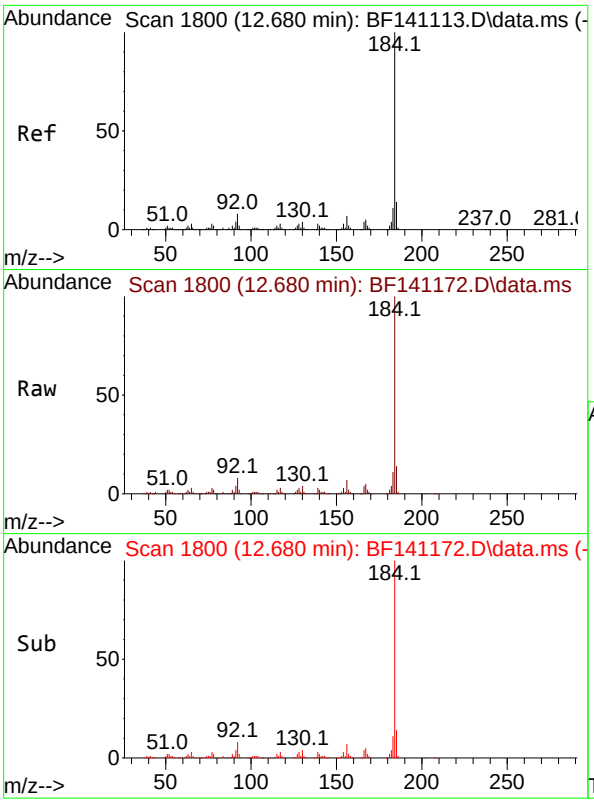




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:240 Resp: 303424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.9 | 9.1 | 13.7 |
| 236 | 25.5 | 19.8 | 29.6 |



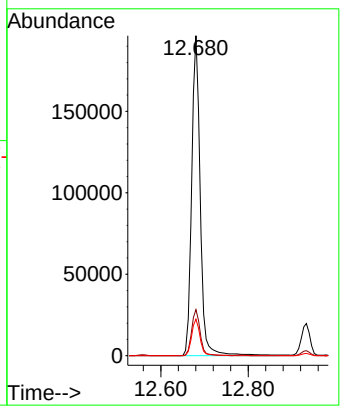


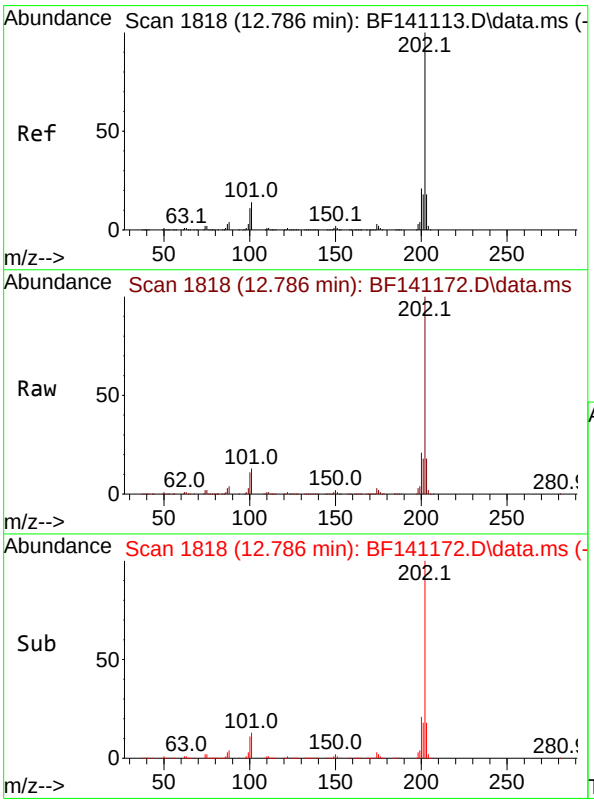

#77
Benzidine
Concen: 47.639 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:184 Resp: 268054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.4 | 11.4 | 17.0 |
| 183 | 11.4 | 9.2 | 13.8 |

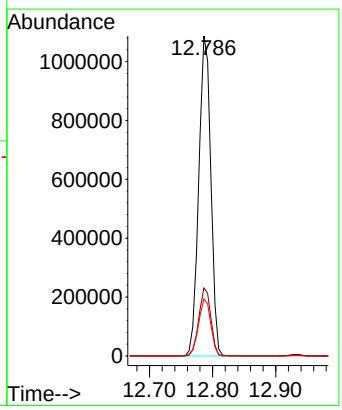


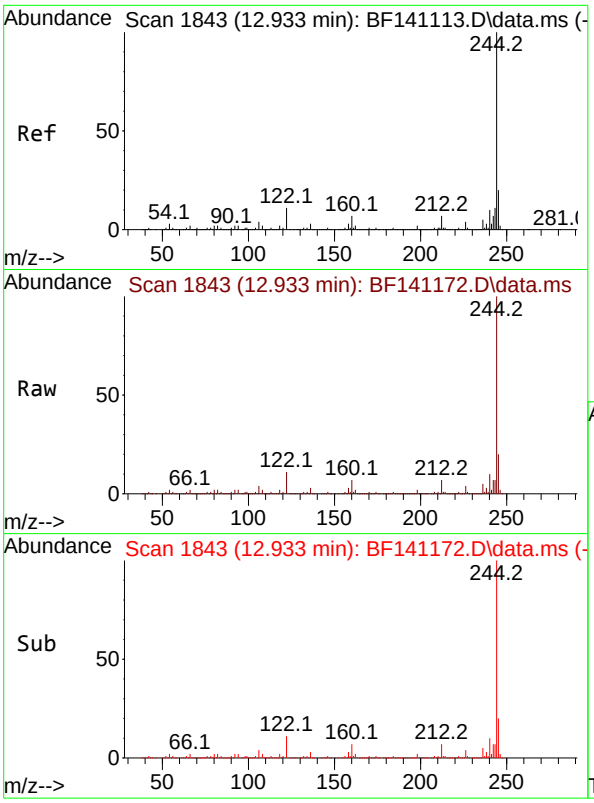




#78
Pyrene
Concen: 49.572 ng
RT: 12.786 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:202 Resp: 1436638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 16.8 | 25.2 |
| 203 | 17.9 | 14.3 | 21.5 |



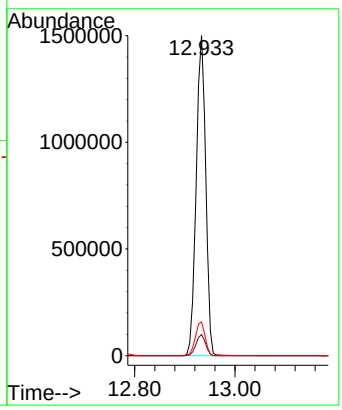


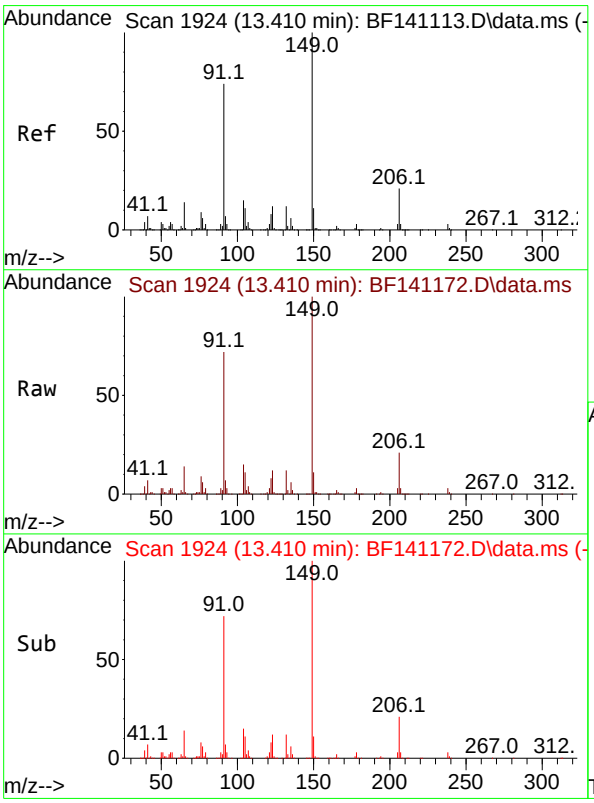

#79
Terphenyl-d14
Concen: 96.512 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:244 Resp: 1970268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.4 | 8.2 |
| 122 | 10.5 | 8.8 | 13.2 |

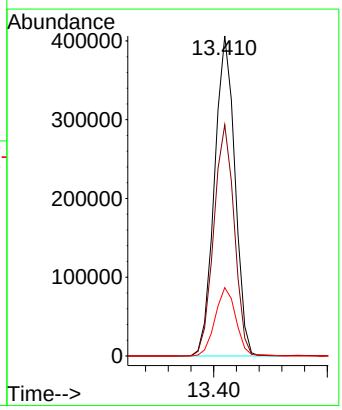


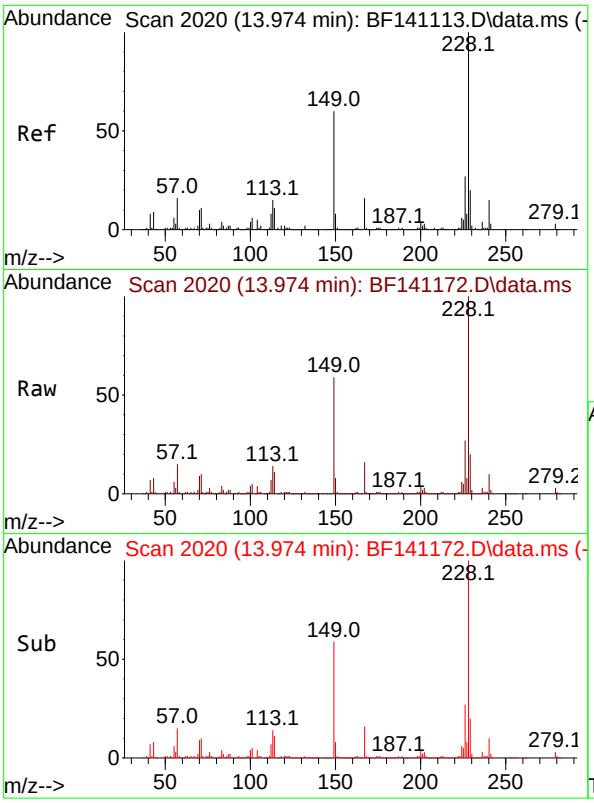




#80
Butylbenzylphthalate
Concen: 52.657 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:149 Resp: 508795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.2 | 59.0 | 88.6 |
| 206 | 21.3 | 16.5 | 24.7 |



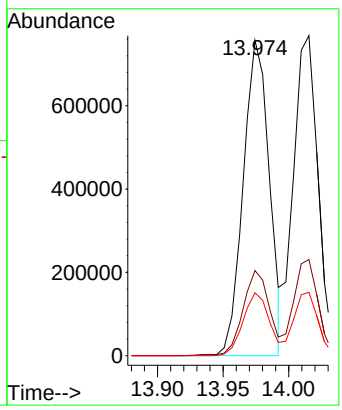


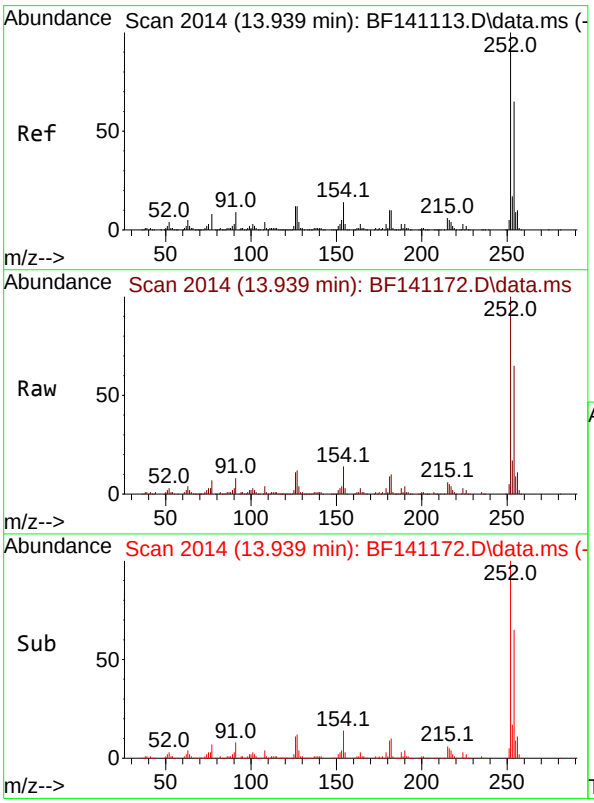

#81
Benzo(a)anthracene
Concen: 50.654 ng
RT: 13.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:228 Resp: 1046000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.0 | 21.7 | 32.5 |
| 229 | 20.0 | 15.7 | 23.5 |

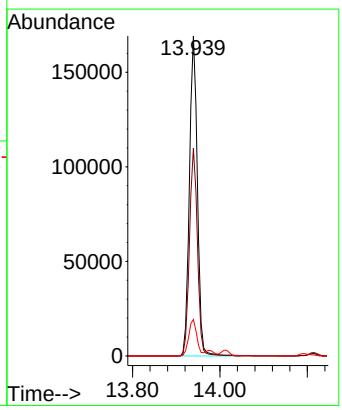


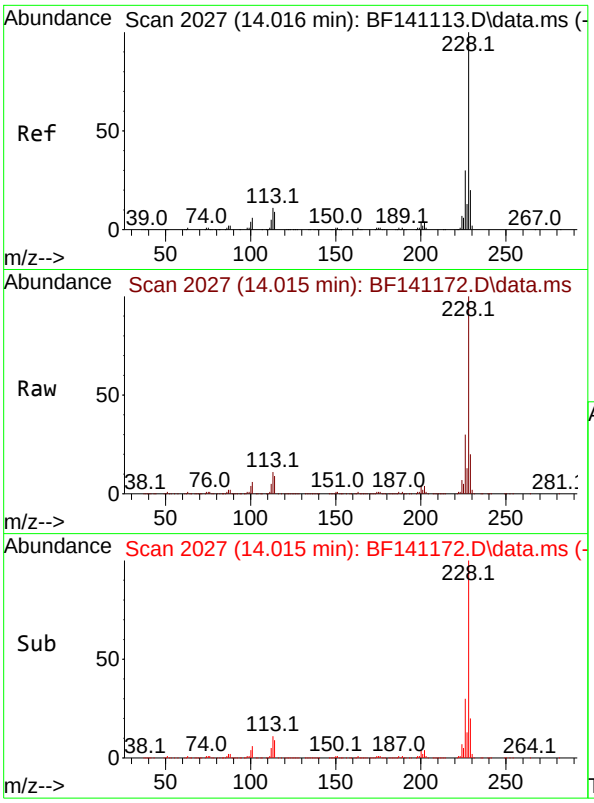




#82
3,3'-Dichlorobenzidine
Concen: 32.609 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:252 Resp: 214412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.0 | 52.0 | 78.0 |
| 126 | 11.4 | 9.4 | 14.0 |



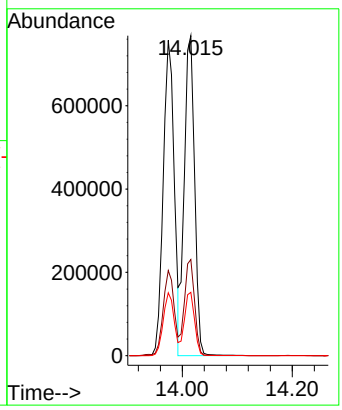


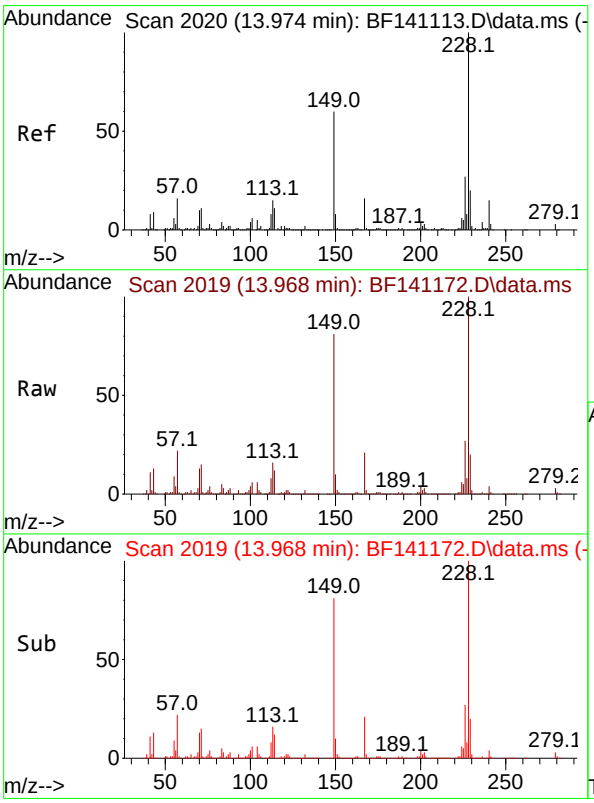

#83
Chrysene
Concen: 51.701 ng
RT: 14.015 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:228 Resp: 998963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 23.8 | 35.8 |
| 229 | 19.8 | 15.8 | 23.8 |

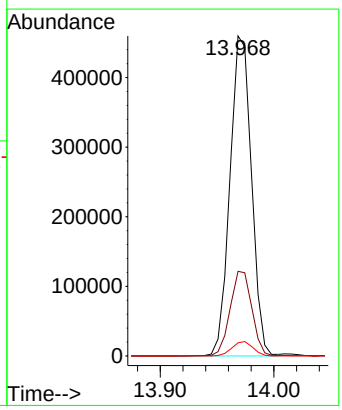


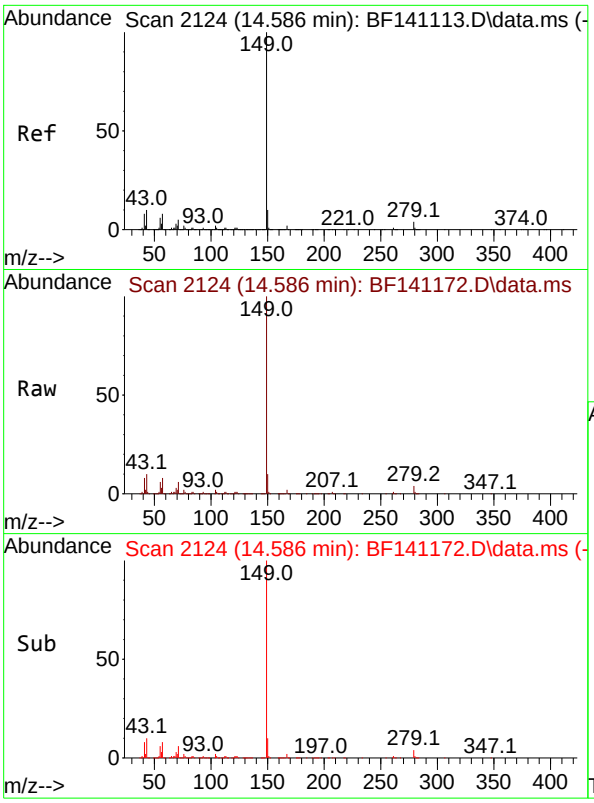




#84
Bis(2-ethylhexyl)phthalate
Concen: 52.112 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:149 Resp: 604164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.5 | 21.4 | 32.2 |
| 279 | 4.1 | 3.4 | 5.2 |



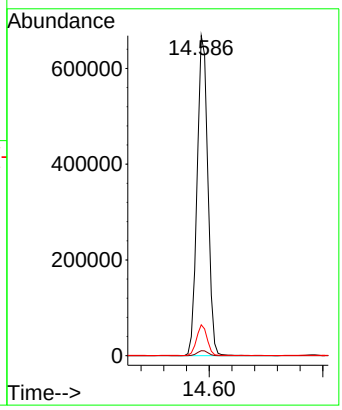


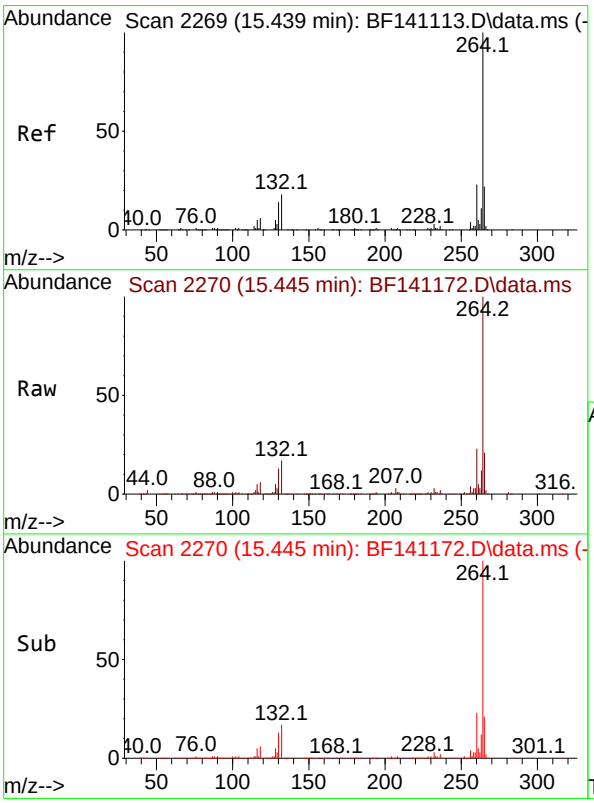

#85
Di-n-octyl phthalate
Concen: 50.327 ng
RT: 14.586 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:149 Resp: 881079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.4 | 8.4 | 12.6 |

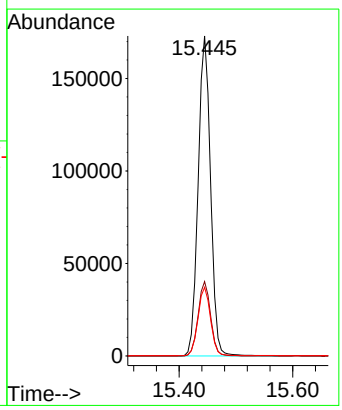


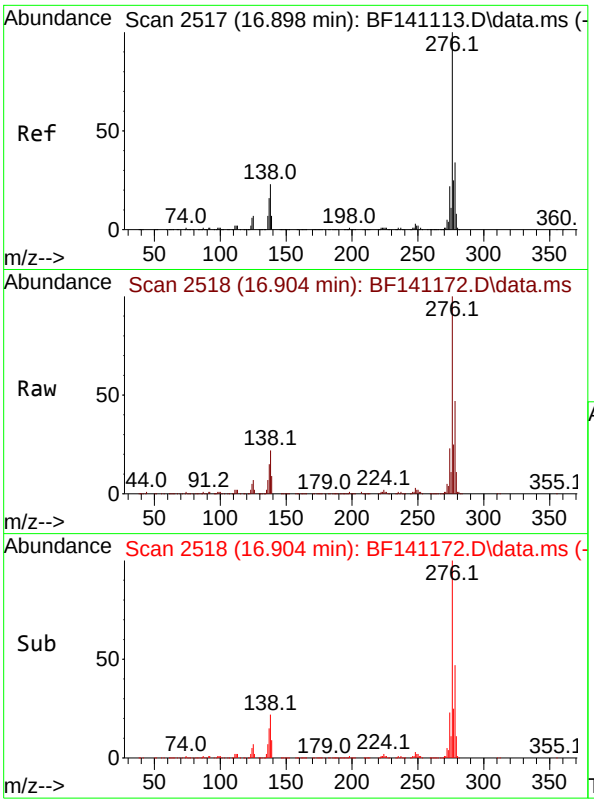




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:264 Resp: 262459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.6 | 28.0 |
| 265 | 21.4 | 17.4 | 26.0 |



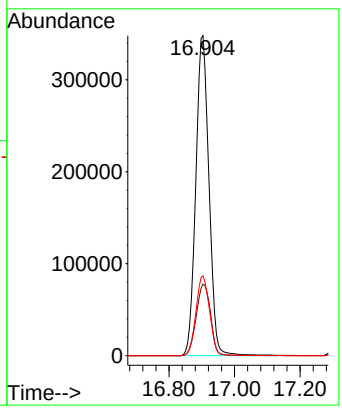


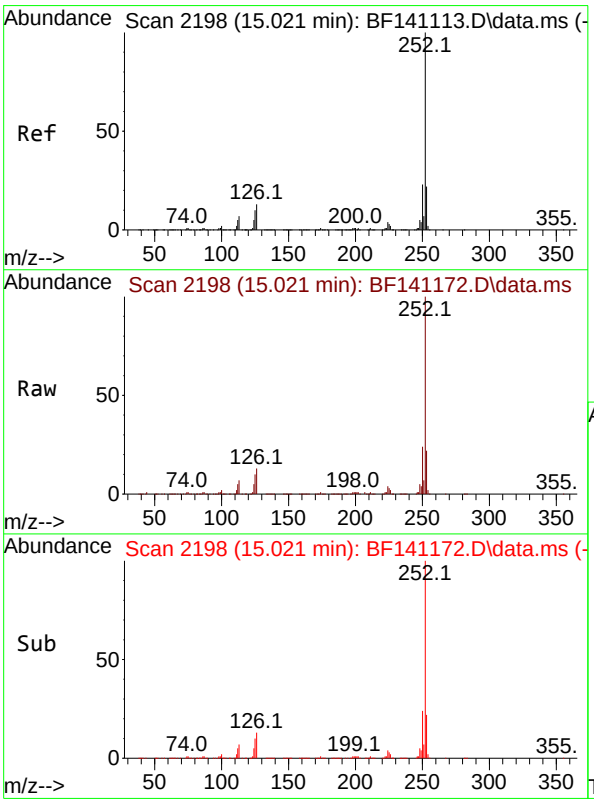

#87
Indeno(1,2,3-cd)pyrene
Concen: 50.722 ng
RT: 16.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:276 Resp: 975311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.2 | 20.7 | 31.1 |
| 277 | 25.8 | 20.6 | 30.8 |

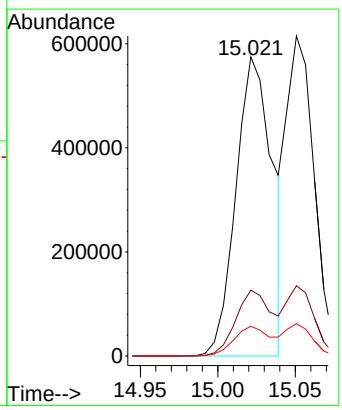


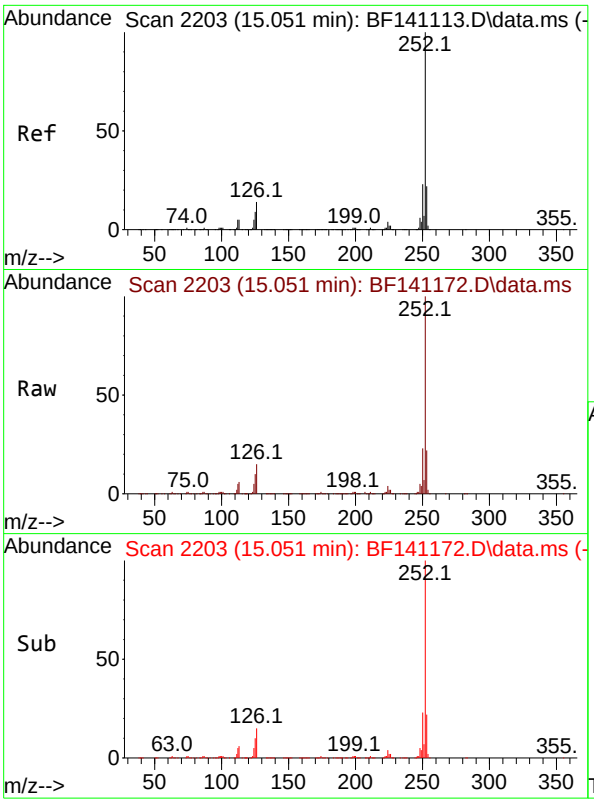




#88
Benzo(b)fluoranthene
Concen: 55.502 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:252 Resp: 939329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.8 | 26.6 |
| 125 | 10.0 | 8.1 | 12.1 |



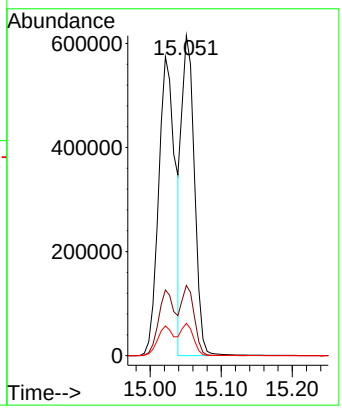


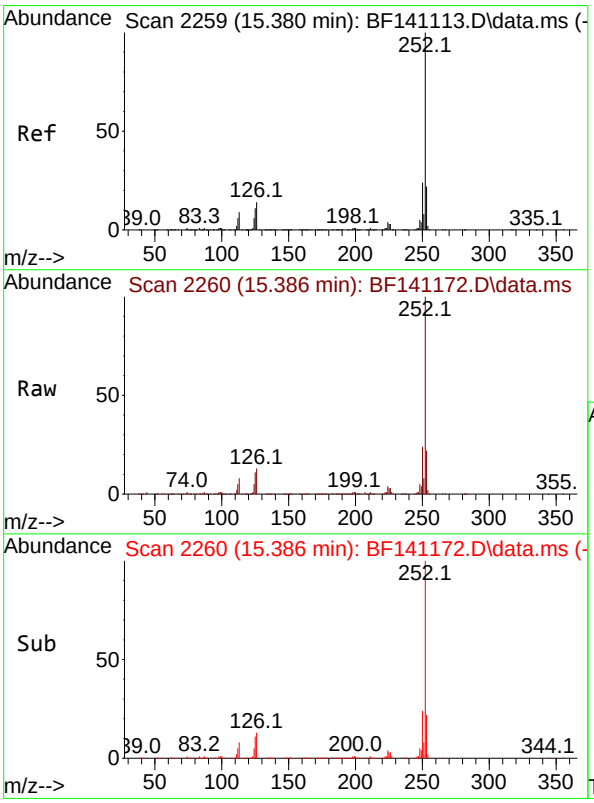

#89
Benzo(k)fluoranthene
Concen: 53.645 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:252 Resp: 767255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.8 | 26.8 |
| 125 | 10.1 | 7.9 | 11.9 |

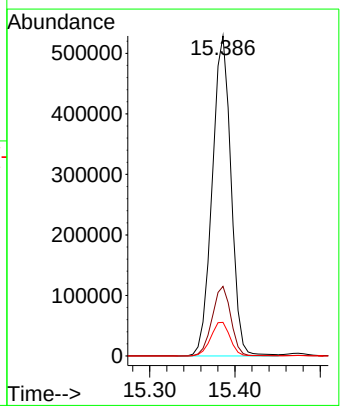


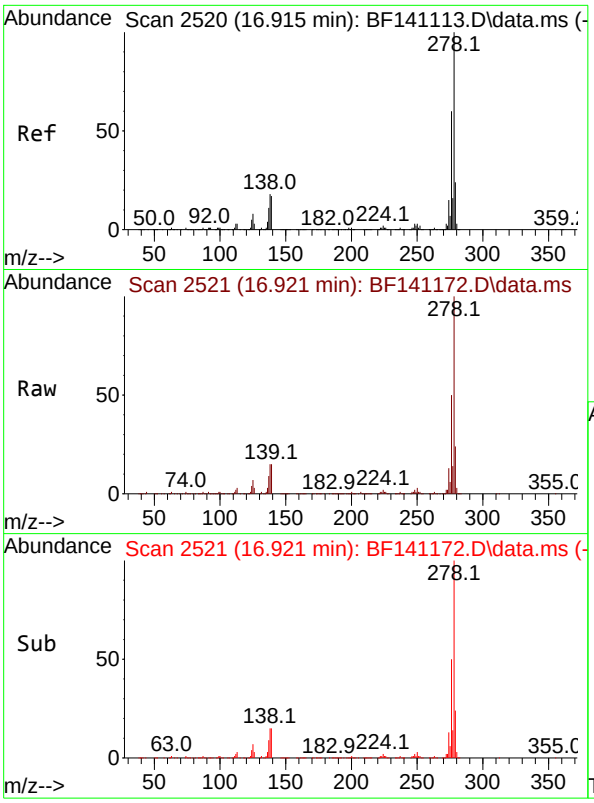




#90
Benzo(a)pyrene
Concen: 57.937 ng
RT: 15.386 min Scan# 2260
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:252 Resp: 809001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.7 | 26.5 |
| 125 | 10.5 | 9.1 | 13.7 |



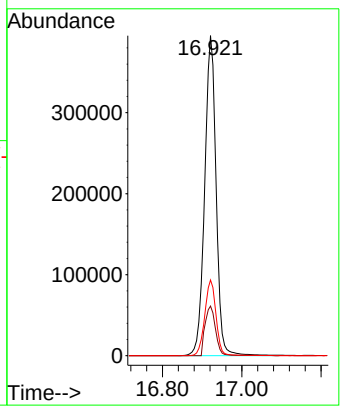


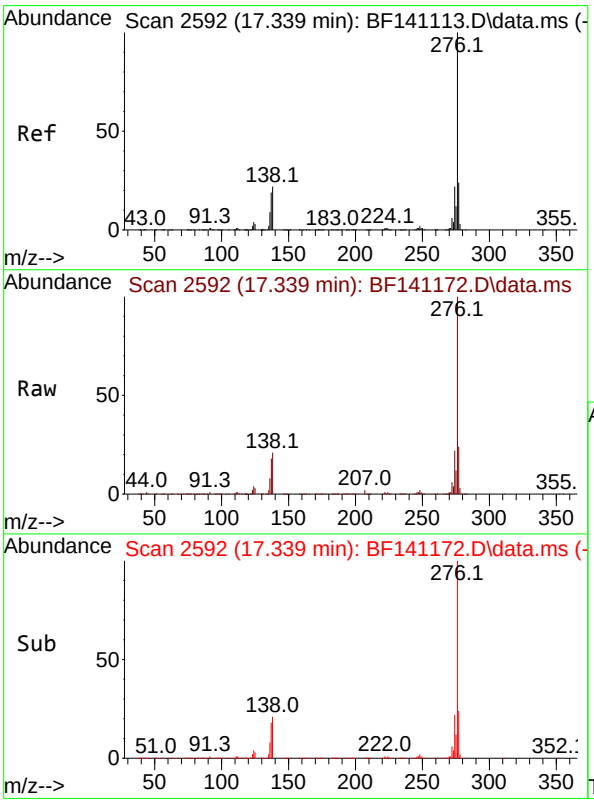

#91
Dibenzo(a,h)anthracene
Concen: 50.976 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

**Instrument :**
BNA_F
**ClientSampleId :**
PB166061BS

Tgt Ion:278 Resp: 792781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.5 | 13.8 | 20.6 |
| 279 | 23.7 | 19.1 | 28.7 |

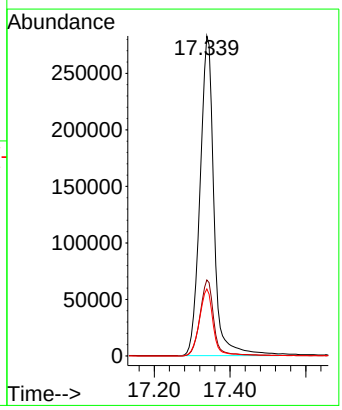



#92
Benzo(g,h,i)perylene
Concen: 44.709 ng
RT: 17.339 min Scan# 2592
Delta R.T. -0.000 min
Lab File: BF141172.D
Acq: 15 Jan 2025 13:38

Tgt Ion:276 Resp: 723237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 19.0 | 28.4 |
| 138 | 21.0 | 17.4 | 26.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141175.D
Acq On : 15 Jan 2025 15:05
Operator : RC/JU
Sample : Q1068-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Quant Time: Jan 15 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 151239 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 561441 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.857 | 164 | 265282 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 349564 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.986 | 240 | 322664 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.451 | 264 | 314686 | 20.000 | ng | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 683044 | 69.768 | ng | | 0.00 |
| 7) Phenol-d6 | 6.445 | 99 | 1001559 | 80.762 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.381 | 82 | 649918 | 61.362 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.645 | 330 | 100774 | 33.339 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.180 | 172 | 1143953 | 65.849 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 984818 | 45.364 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.575 | 88 | 105406 | 24.177 | ng | | 99 |
| 3) Pyridine | 3.316 | 79 | 252917 | 23.657 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.257 | 42 | 146758 | 28.074 | ng | | 100 |
| 6) Aniline | 6.481 | 93 | 159952 | 14.527 | ng | | 96 |
| 8) 2-Chlorophenol | 6.604 | 128 | 293315 | 27.925 | ng | | 97 |
| 9) Benzaldehyde | 6.369 | 77 | 40960 | 5.608 | ng | | 95 |
| 10) Phenol | 6.463 | 94 | 379203 | 28.565 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.557 | 93 | 298559 | 30.178 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.763 | 146 | 323049 | 27.576 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.839 | 146 | 327369 | 27.731 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 6.992 | 146 | 311743 | 28.310 | ng | | 97 |
| 15) Benzyl Alcohol | 6.957 | 79 | 271930 | 30.363 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098 | 45 | 397871 | 28.820 | ng | | 97 |
| 17) 2-Methylphenol | 7.069 | 107 | 245642 | 28.967 | ng | | 99 |
| 18) Hexachloroethane | 7.334 | 117 | 120353 | 28.192 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.234 | 70 | 215674 | 29.523 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.222 | 107 | 309253 | 28.906 | ng | # | 87 |
| 22) Acetophenone | 7.228 | 105 | 419952 | 31.465 | ng | | 97 |
| 24) Nitrobenzene | 7.404 | 77 | 320631 | 29.046 | ng | | 99 |
| 25) Isophorone | 7.639 | 82 | 574003 | 31.712 | ng | | 99 |
| 26) 2-Nitrophenol | 7.716 | 139 | 120397 | 23.977 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.751 | 122 | 241988 | 35.728 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.851 | 93 | 355223 | 31.271 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.957 | 162 | 217566 | 27.047 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 263047 | 28.609 | ng | | 100 |
| 31) Naphthalene | 8.128 | 128 | 918606 | 31.026 | ng | | 100 |
| 32) Benzoic acid | 7.751 | 122 | 241988 | 37.245 | ng | # | 13 |
| 33) 4-Chloroaniline | 8.175 | 127 | 115343 | 11.264 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 162534 | 29.337 | ng | | 99 |
| 35) Caprolactam | 8.516 | 113 | 69129 | 26.249 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.651 | 107 | 246845 | 28.059 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 578514 | 30.662 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 536900 | 28.874 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.980 | 216 | 255628 | 33.573 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 159842 | 64.166 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 88165 | 17.169 | ng | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141175.D
Acq On : 15 Jan 2025 15:05
Operator : RC/JU
Sample : Q1068-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Quant Time: Jan 15 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.133 | 196 | 119487 | 22.032 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.280 | 154 | 690480 | 33.515 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.304 | 162 | 495753 | 30.895 | ng | | 100 |
| 48) 2-Nitroaniline | 9.398 | 65 | 149394 | 31.408 | ng | | 98 |
| 49) Acenaphthylene | 9.722 | 152 | 877645 | 38.283 | ng | | 100 |
| 50) Dimethylphthalate | 9.580 | 163 | 590143 | 33.137 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.639 | 165 | 122290 | 29.528 | ng | | 94 |
| 52) Acenaphthene | 9.892 | 154 | 485274 | 30.298 | ng | | 100 |
| 53) 3-Nitroaniline | 9.804 | 138 | 94941 | 22.559 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.910 | 184 | 6772 | 3.440 | ng | # | 1 |
| 55) Dibenzofuran | 10.063 | 168 | 667349 | 30.632 | ng | | 99 |
| 56) 4-Nitrophenol | 9.957 | 139 | 68610 | 20.816 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.039 | 165 | 150510 | 28.200 | ng | | 100 |
| 58) Fluorene | 10.404 | 166 | 518351 | 30.626 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.180 | 232 | 51375 | 11.396 | ng | # | 99 |
| 60) Diethylphthalate | 10.280 | 149 | 543883 | 31.282 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.398 | 204 | 247267 | 29.974 | ng | | 97 |
| 62) 4-Nitroaniline | 10.416 | 138 | 99151 | 24.070 | ng | | 99 |
| 63) Azobenzene | 10.557 | 77 | 532827 | 31.058 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198 | 12033 | 5.940 | ng | | 81 |
| 66) n-Nitrosodiphenylamine | 10.516 | 169 | 431187 | 38.243 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 145801 | 36.228 | ng | | 99 |
| 68) Hexachlorobenzene | 10.951 | 284 | 150906 | 33.684 | ng | | 98 |
| 69) Atrazine | 11.045 | 200 | 134509 | 44.306 | ng | | 100 |
| 70) Pentachlorophenol | 11.145 | 266 | 68531 | 23.886 | ng | | 99 |
| 71) Phenanthrene | 11.369 | 178 | 746258 | 39.764 | ng | | 99 |
| 72) Anthracene | 11.422 | 178 | 727636 | 39.875 | ng | | 99 |
| 73) Carbazole | 11.574 | 167 | 555900 | 33.223 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 684830 | 35.764 | ng | | 100 |
| 75) Fluoranthene | 12.557 | 202 | 867978 | 46.347 | ng | | 99 |
| 77) Benzidine | 12.680 | 184 | 98399 | 16.445 | ng | # | 95 |
| 78) Pyrene | 12.786 | 202 | 1043972 | 33.875 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 282822 | 27.525 | ng | | 100 |
| 81) Benzo(a)anthracene | 13.980 | 228 | 914236 | 41.633 | ng | | 95 |
| 82) 3,3'-Dichlorobenzidine | 13.939 | 252 | 141773 | 20.276 | ng | | 99 |
| 83) Chrysene | 14.015 | 228 | 771864 | 37.566 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149 | 394268 | 31.980 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.586 | 149 | 724119 | 38.895 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.909 | 276 | 685937 | 29.752 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 15.027 | 252 | 906206 | 44.658 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.027 | 252 | 906206 | 52.845 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.392 | 252 | 834847 | 49.865 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.921 | 278 | 468043 | 25.100 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.351 | 276 | 603676 | 31.124 | ng | | 98 |

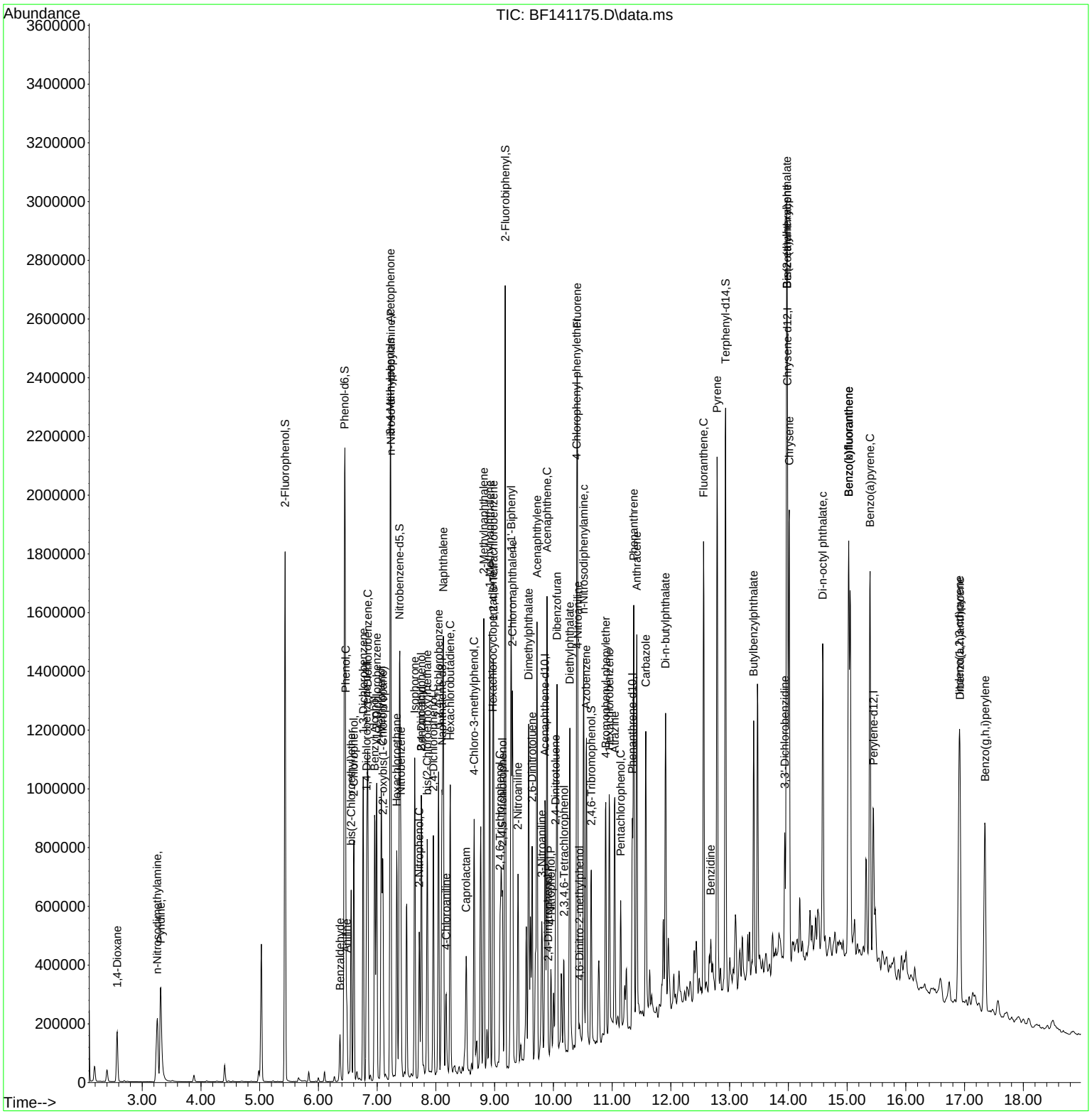
(#) = qualifier out of range (m) = manual integration (+) = signals summed

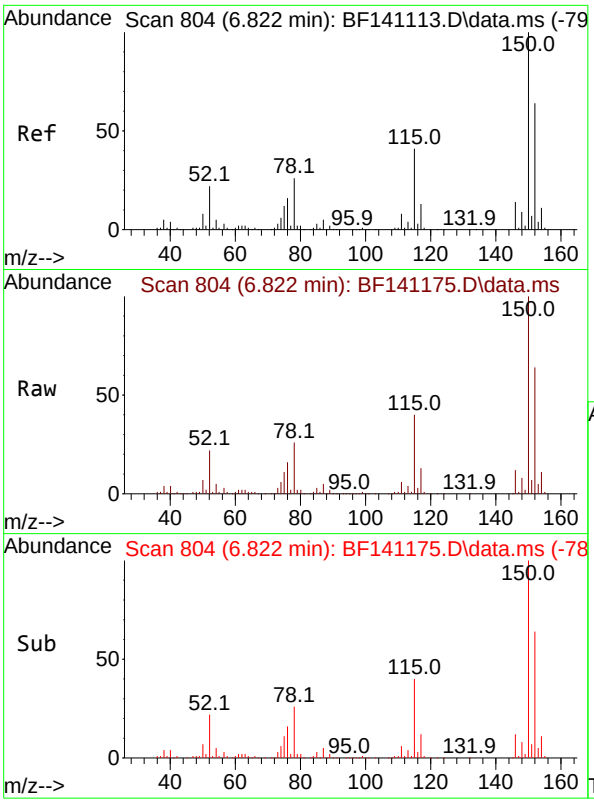
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141175.D
Acq On : 15 Jan 2025 15:05
Operator : RC/JU
Sample : Q1068-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Quant Time: Jan 15 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



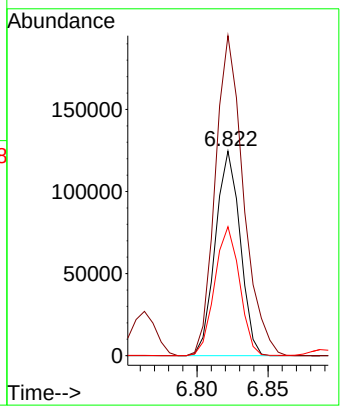


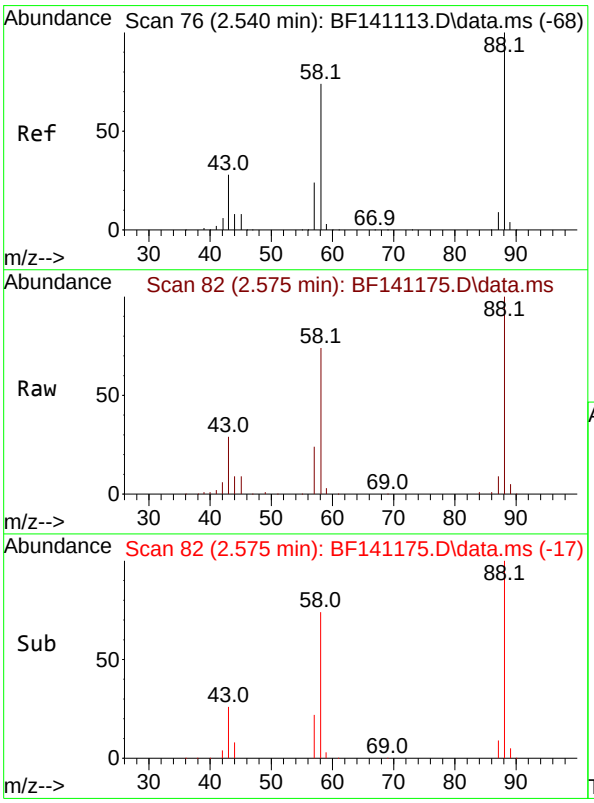

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:152 Resp: 151239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.5 | 125.8 | 188.8 |
| 115 | 63.1 | 51.4 | 77.2 |

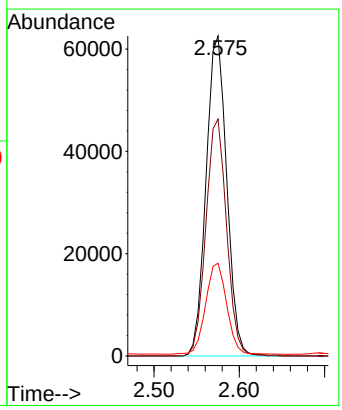


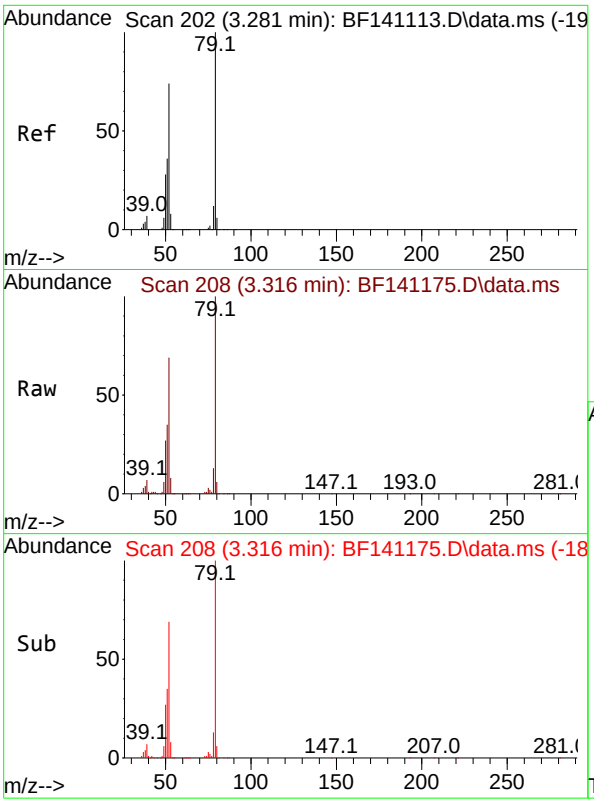




#2
1,4-Dioxane
Concen: 24.177 ng
RT: 2.575 min Scan# 82
Delta R.T. 0.035 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion: 88 Resp: 105406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.0 | 60.1 | 90.1 |
| 43 | 29.0 | 23.1 | 34.7 |



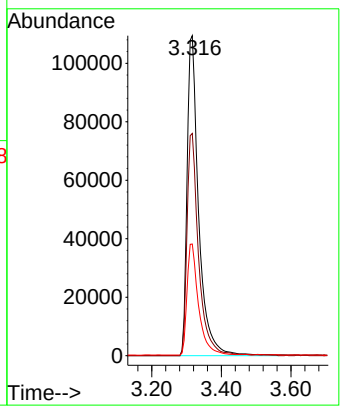


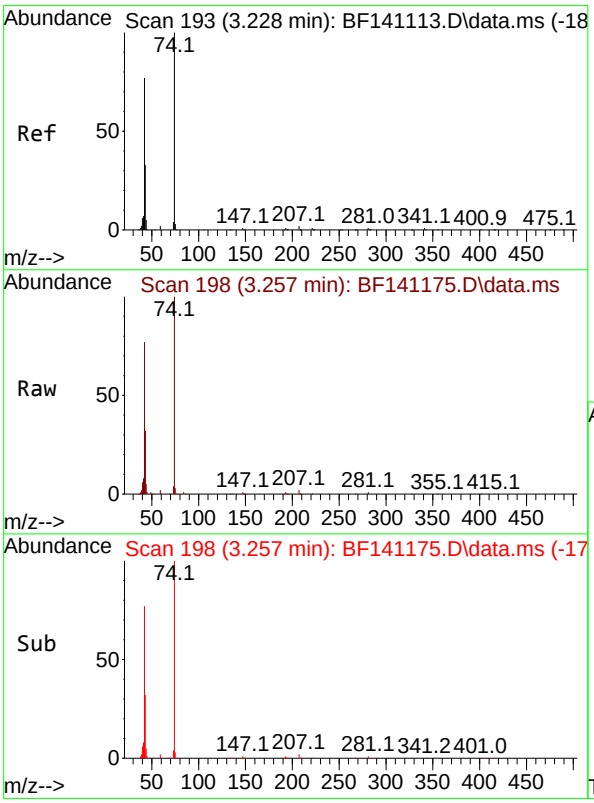

#3
Pyridine
Concen: 23.657 ng
RT: 3.316 min Scan# 2(
Delta R.T. 0.035 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion: 79 Resp: 252917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 69.5 | 58.9 | 88.3 |
| 51 | 34.9 | 29.1 | 43.7 |

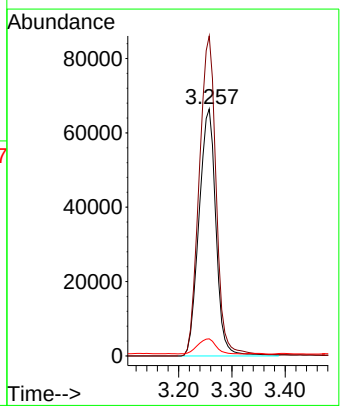


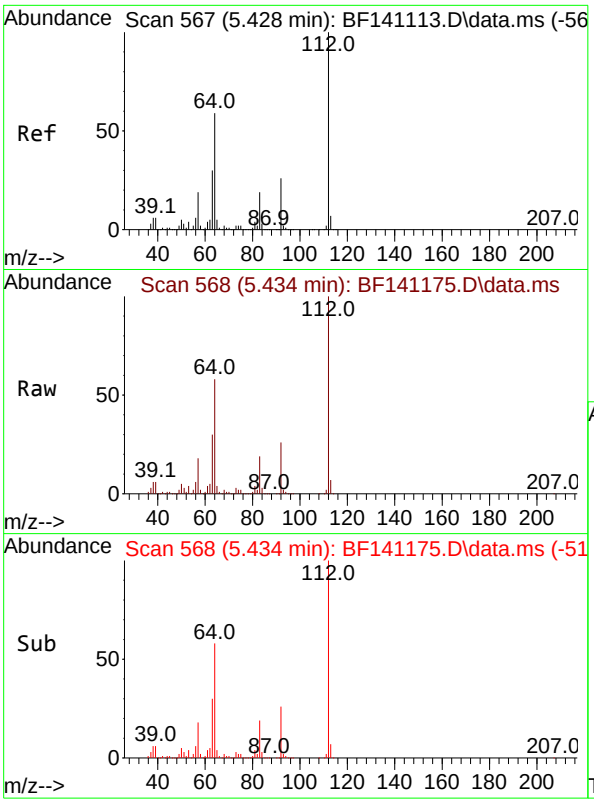




#4
n-Nitrosodimethylamine
Concen: 28.074 ng
RT: 3.257 min Scan# 198
Delta R.T. 0.029 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion: 42 Resp: 146758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 129.6 | 103.8 | 155.6 |
| 44 | 6.9 | 5.3 | 7.9 |



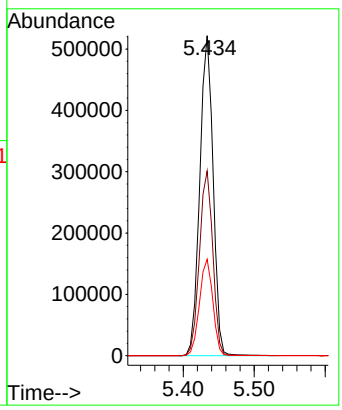


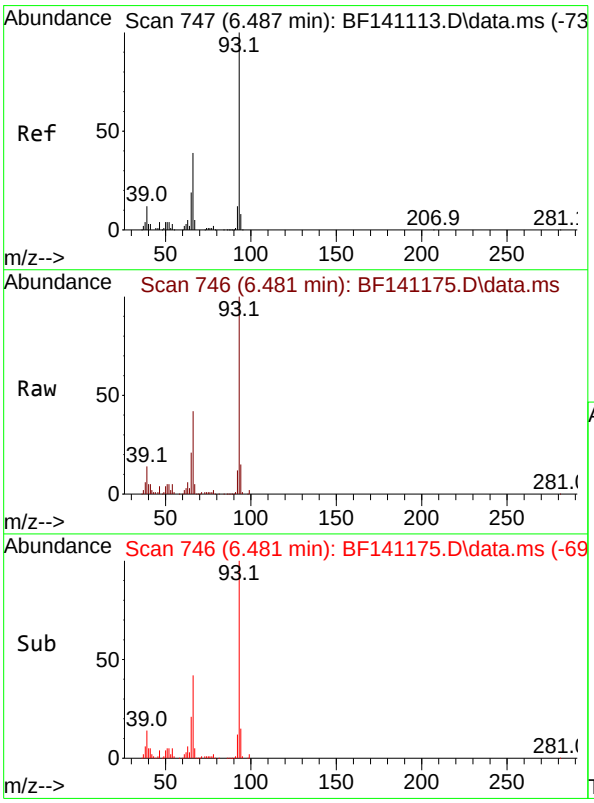

#5
2-Fluorophenol
Concen: 69.768 ng
RT: 5.434 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:112 Resp: 683044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.8 | 47.3 | 70.9 |
| 63 | 30.1 | 24.2 | 36.2 |

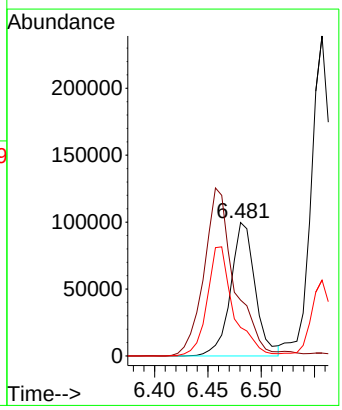


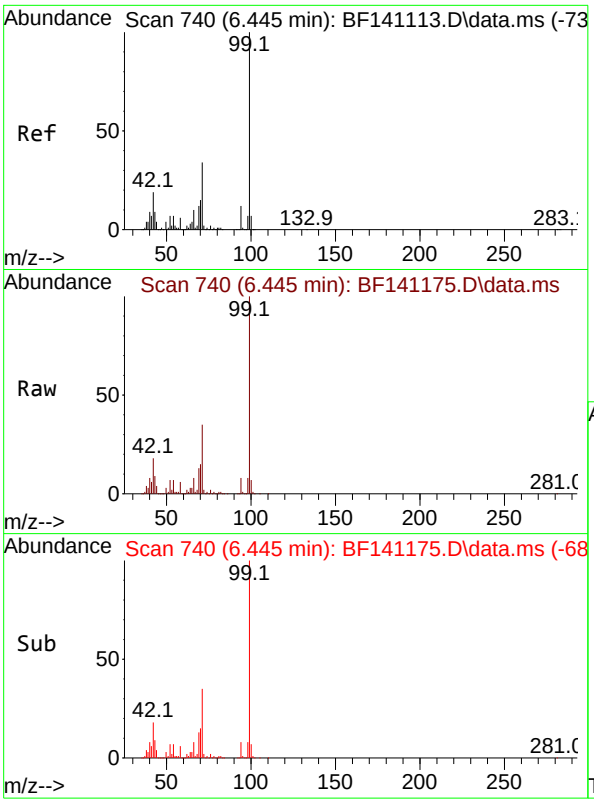




#6
Aniline
Concen: 14.527 ng
RT: 6.481 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion: 93 Resp: 159952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 41.8 | 31.5 | 47.3 |
| 65 | 21.3 | 15.3 | 22.9 |



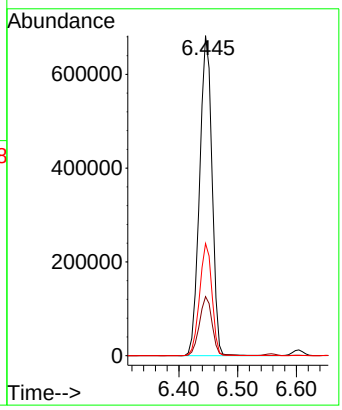


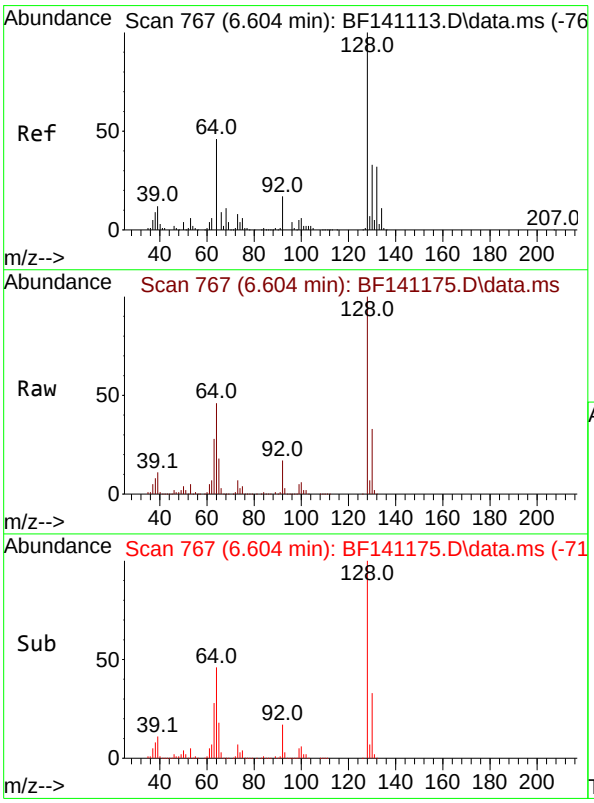

#7
Phenol-d6
Concen: 80.762 ng
RT: 6.445 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion: 99 Resp: 1001559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.4 | 15.0 | 22.4 |
| 71 | 35.1 | 27.6 | 41.4 |

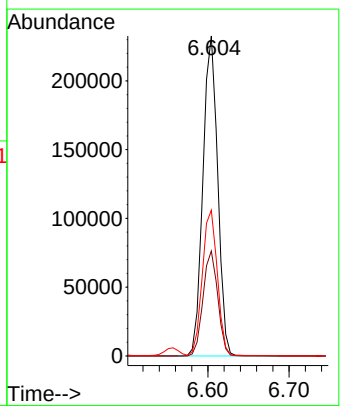


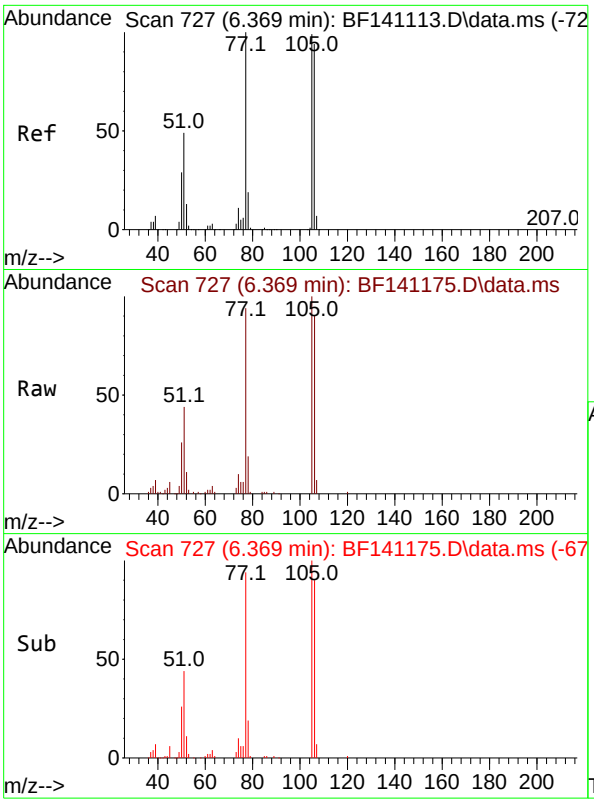




#8
2-Chlorophenol
Concen: 27.925 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:128 Resp: 293315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.8 | 12.5 | 52.5 |
| 64 | 45.6 | 28.3 | 68.3 |



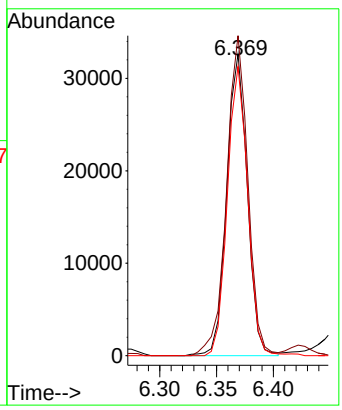


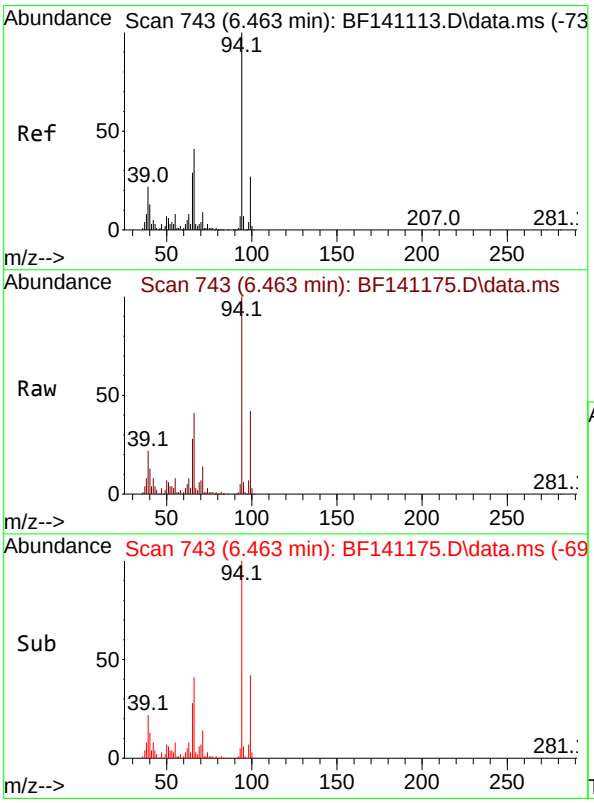

#9
Benzaldehyde
Concen: 5.608 ng
RT: 6.369 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion: 77 Resp: 40960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 106.0 | 78.9 | 118.9 |
| 106 | 95.8 | 73.6 | 113.6 |

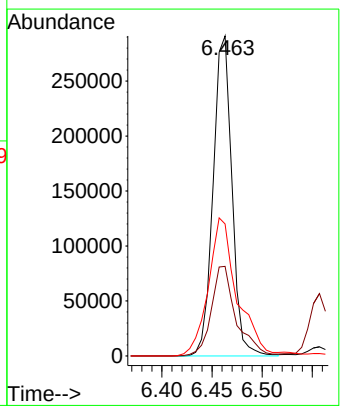


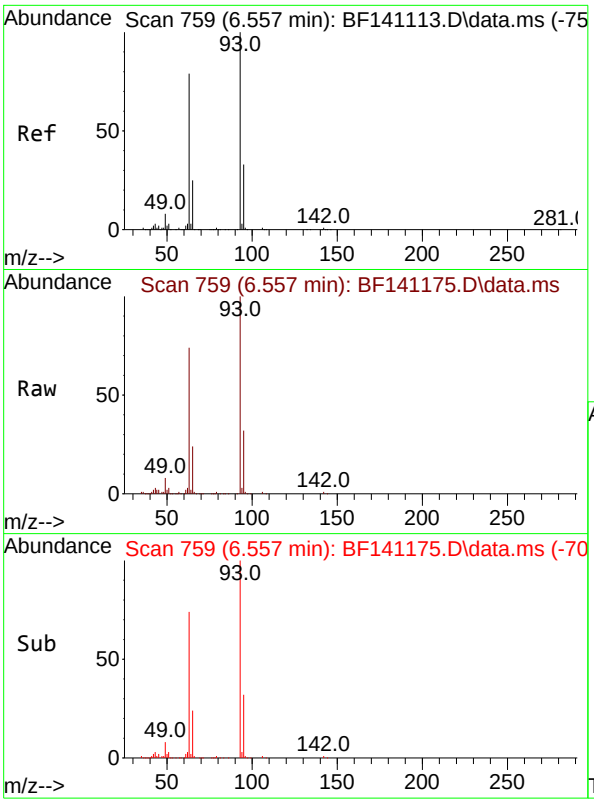




#10
Phenol
Concen: 28.565 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion: 94 Resp: 379203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.0 | 8.9 | 48.9 |
| 66 | 41.3 | 21.2 | 61.2 |



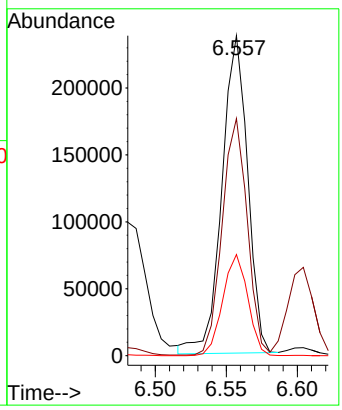


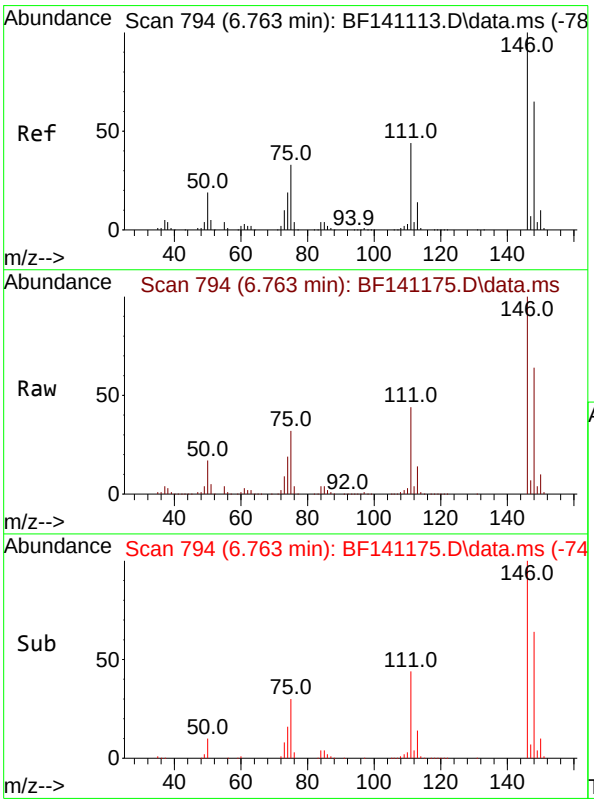

#11
bis(2-Chloroethyl)ether
Concen: 30.178 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion: 93 Resp: 298559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 74.1 | 58.0 | 98.0 |
| 95 | 31.6 | 12.5 | 52.5 |

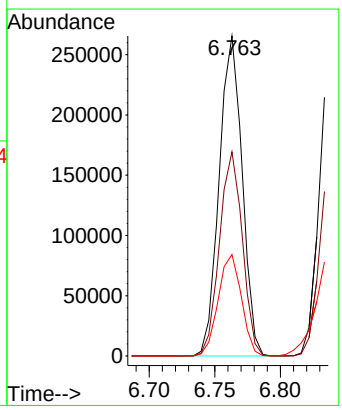


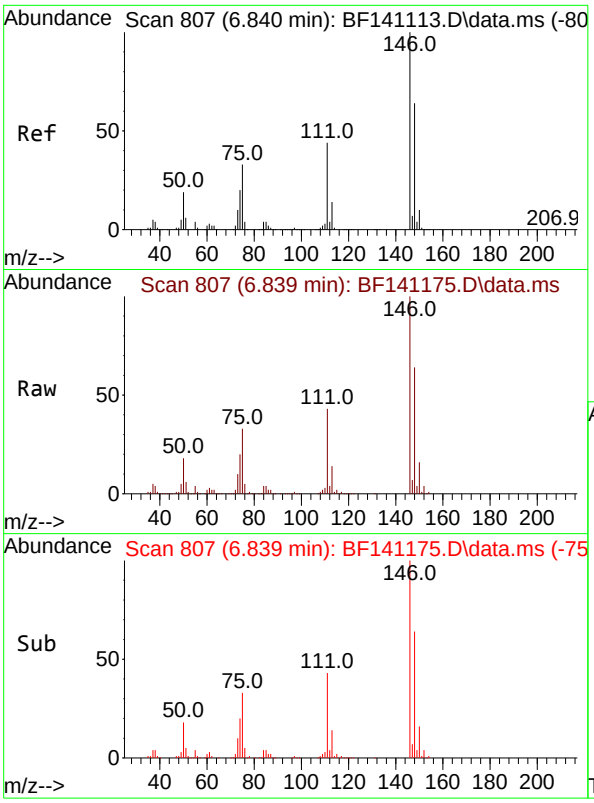




#12
1,3-Dichlorobenzene
Concen: 27.576 ng
RT: 6.763 min Scan# 794
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:146 Resp: 323049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.6 | 77.4 |
| 75 | 31.7 | 26.2 | 39.2 |



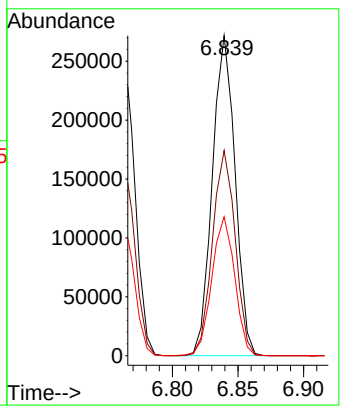


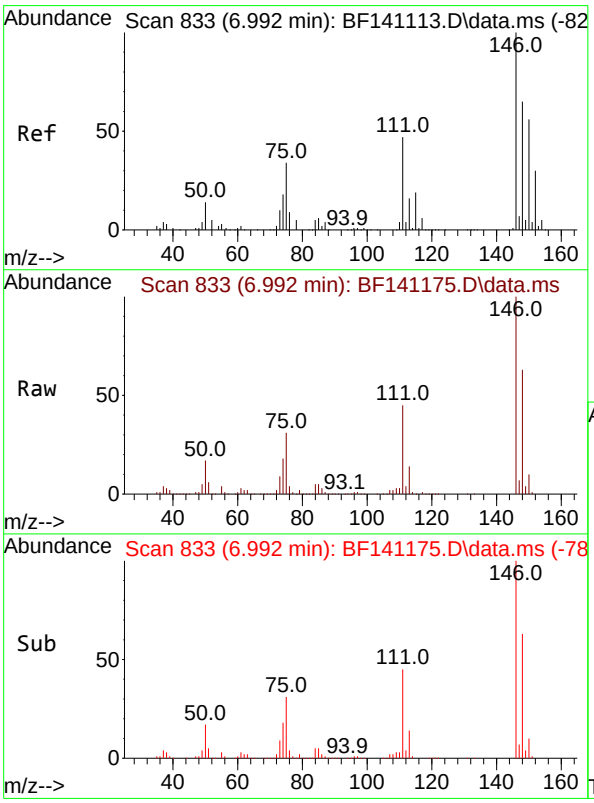

#13
1,4-Dichlorobenzene
Concen: 27.731 ng
RT: 6.839 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:146 Resp: 327369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.0 | 76.6 |
| 111 | 43.4 | 34.9 | 52.3 |

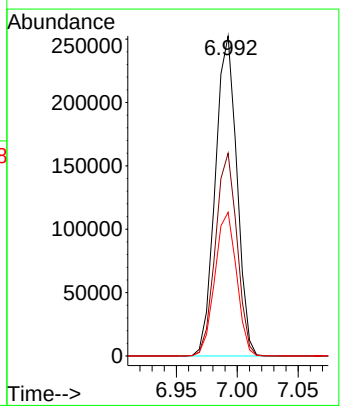


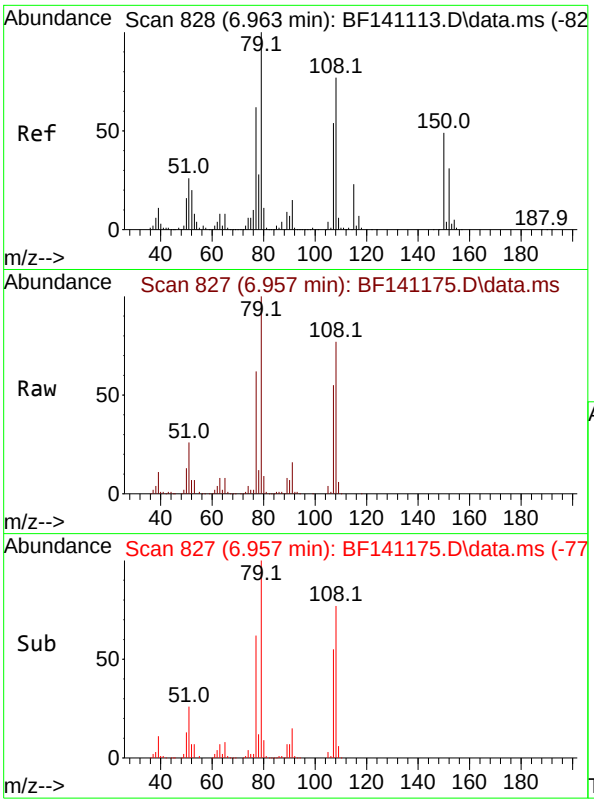




#14
1,2-Dichlorobenzene
Concen: 28.310 ng
RT: 6.992 min Scan# 833
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:146 Resp: 311743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 52.2 | 78.4 |
| 111 | 44.9 | 37.5 | 56.3 |



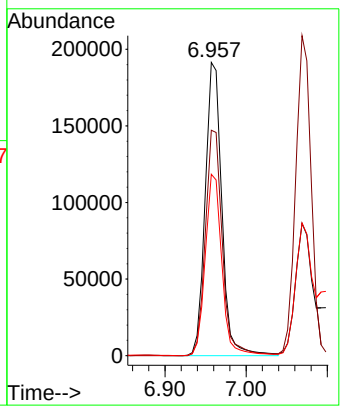


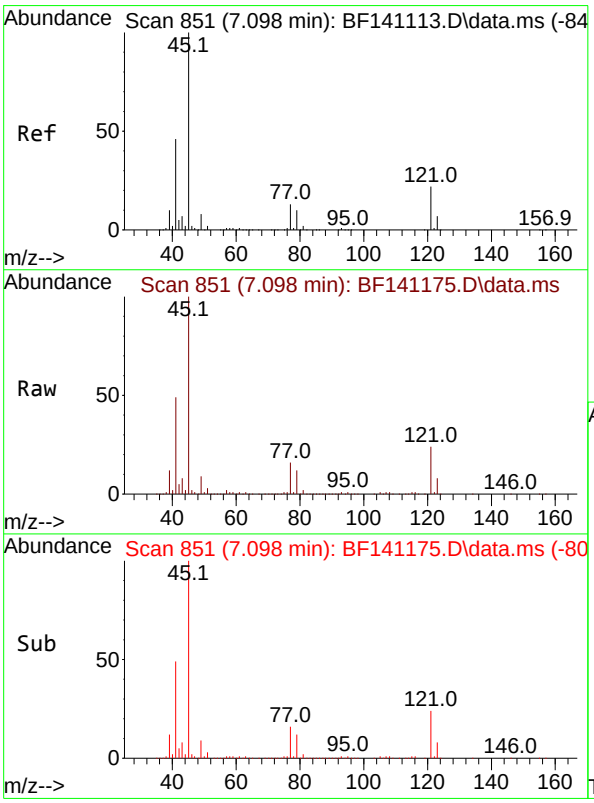

#15
Benzyl Alcohol
Concen: 30.363 ng
RT: 6.957 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion: 79 Resp: 271930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.9 | 61.4 | 92.0 |
| 77 | 61.8 | 49.8 | 74.6 |

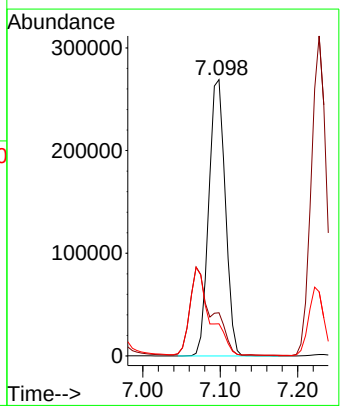


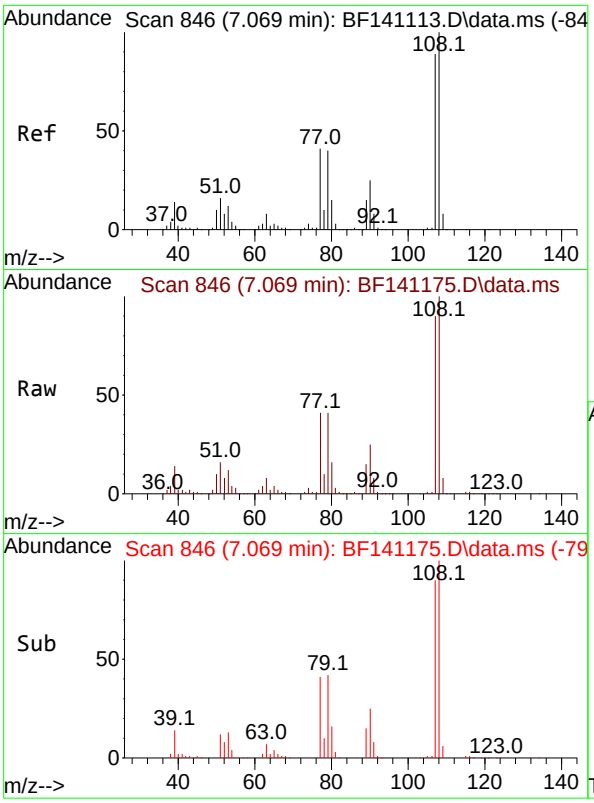




#16
2,2'-oxybis(1-Chloropropane)
Concen: 28.820 ng
RT: 7.098 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion: 45 Resp: 397871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 15.6 | 0.0 | 34.1 |
| 79 | 11.6 | 0.0 | 31.0 |



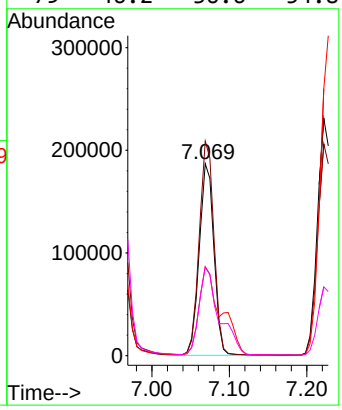


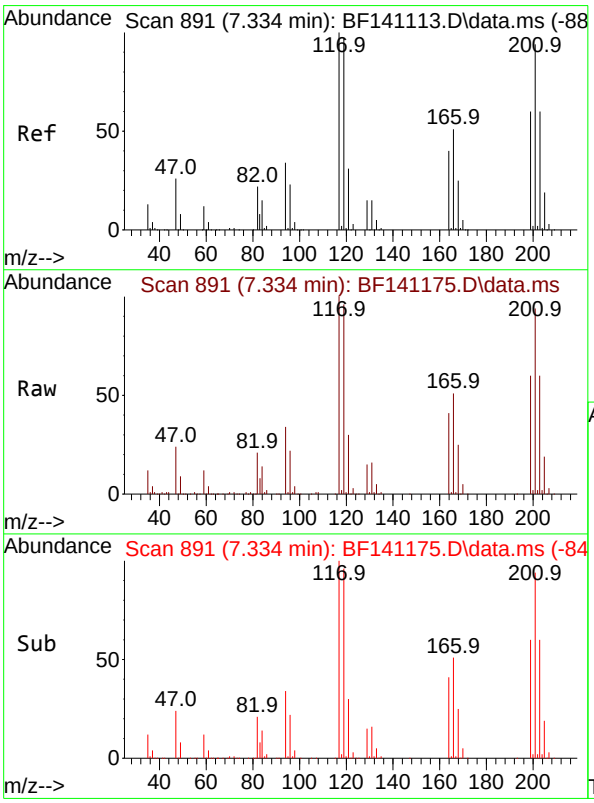

#17
2-Methylphenol
Concen: 28.967 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:107 Resp: 245642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.7 | 90.1 | 135.1 |
| 77 | 46.3 | 36.6 | 55.0 |
| 79 | 46.2 | 36.6 | 54.8 |

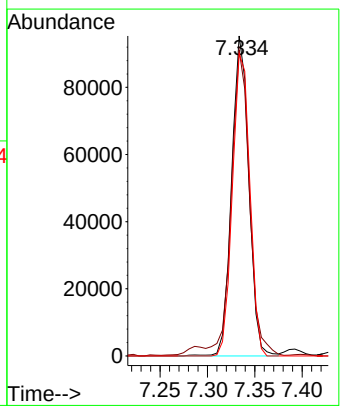


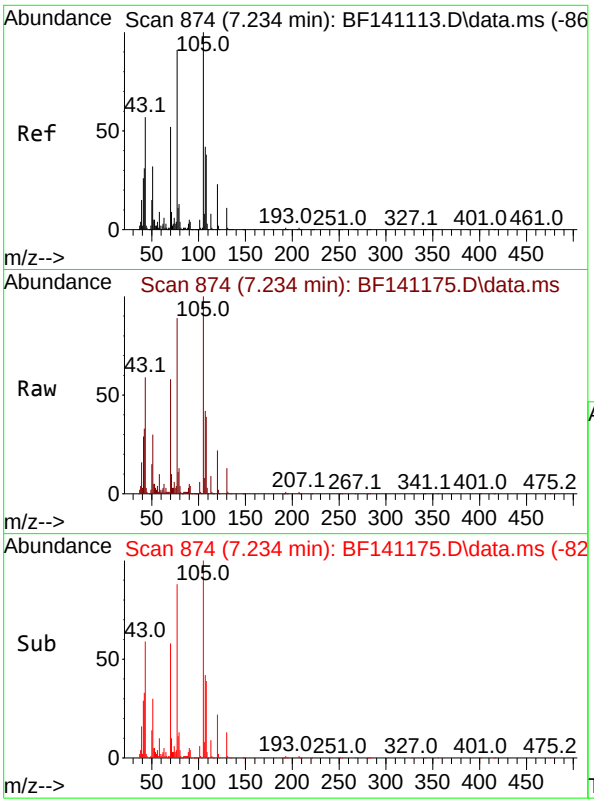




#18
Hexachloroethane
Concen: 28.192 ng
RT: 7.334 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:117 Resp: 120353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.6 | 77.6 | 116.4 |
| 201 | 94.5 | 75.1 | 112.7 |



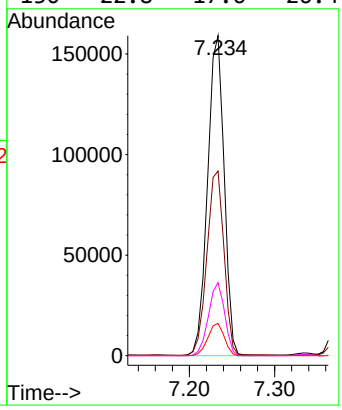


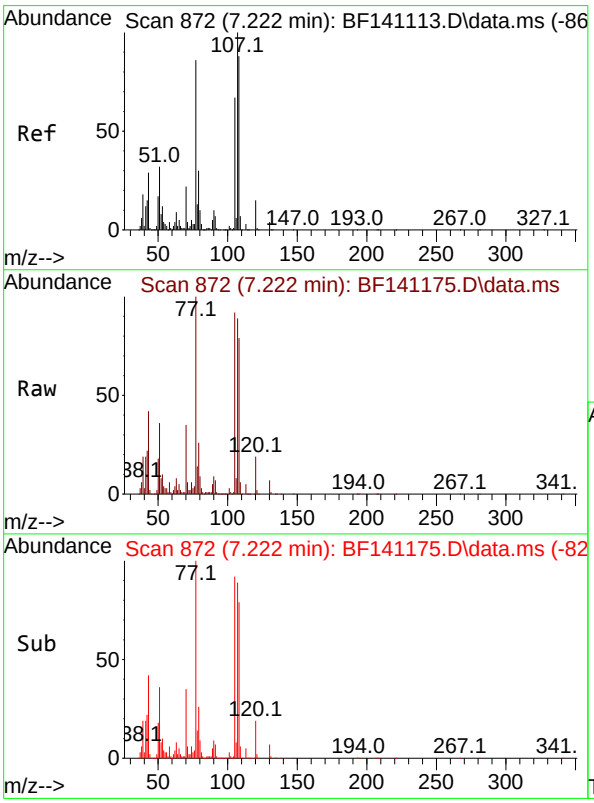

#19
n-Nitroso-di-n-propylamine
Concen: 29.523 ng
RT: 7.234 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion: 70 Resp: 215674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.7 | 47.8 | 71.6 |
| 101 | 10.1 | 7.9 | 11.9 |
| 130 | 22.8 | 17.6 | 26.4 |

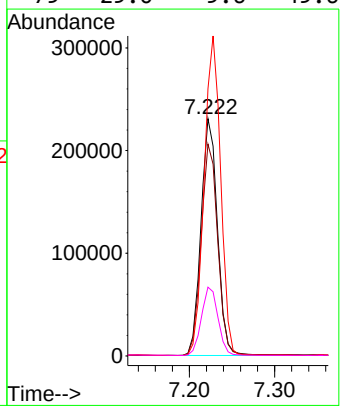


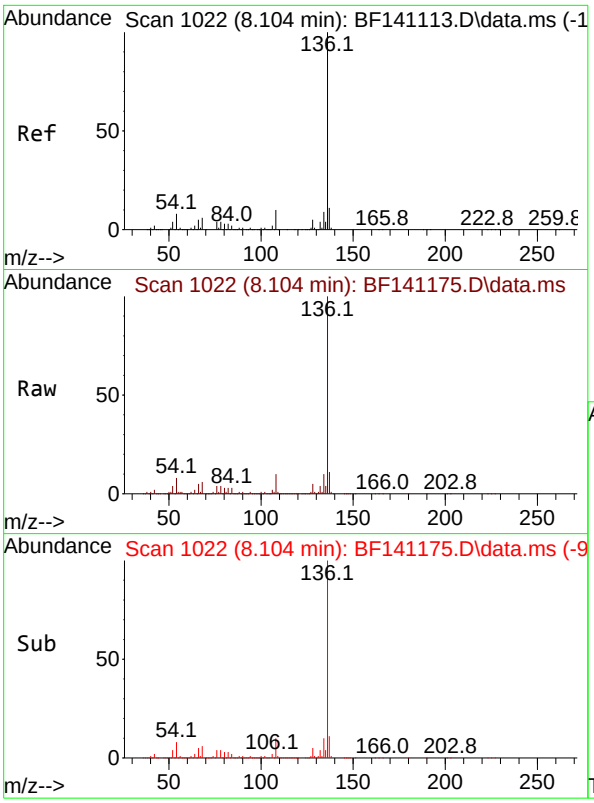




#20
3+4-Methylphenols
Concen: 28.906 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:107 Resp: 309253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.3 | 68.3 | 108.3 |
| 77 | 112.6 | 66.4 | 106.4# |
| 79 | 29.0 | 9.6 | 49.6 |



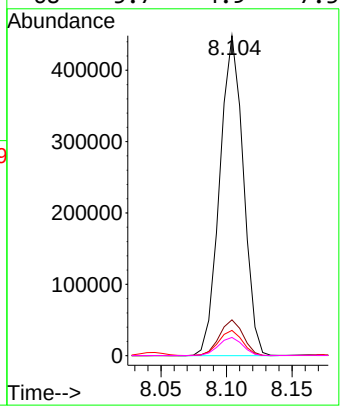


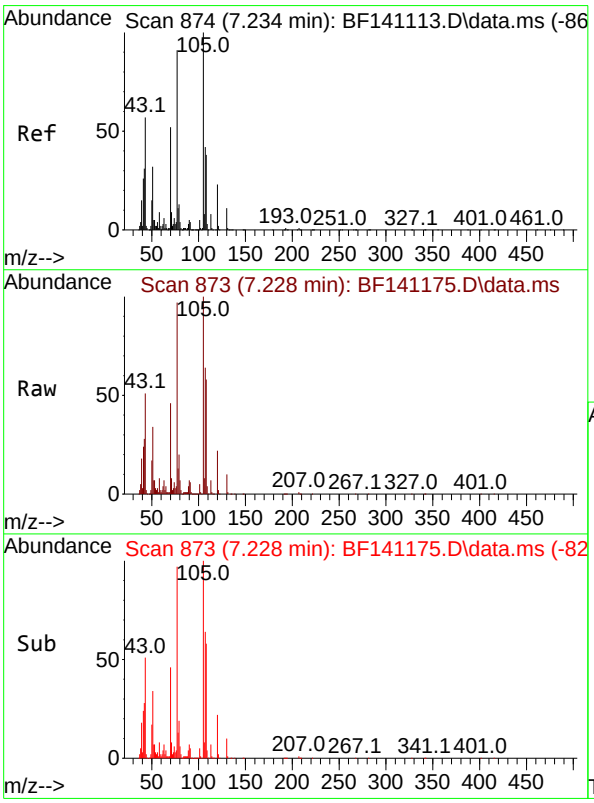

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:136 Resp: 561441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.8 | 13.2 |
| 54 | 7.9 | 6.3 | 9.5 |
| 68 | 5.7 | 4.9 | 7.3 |

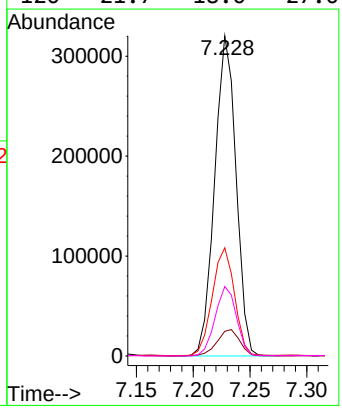


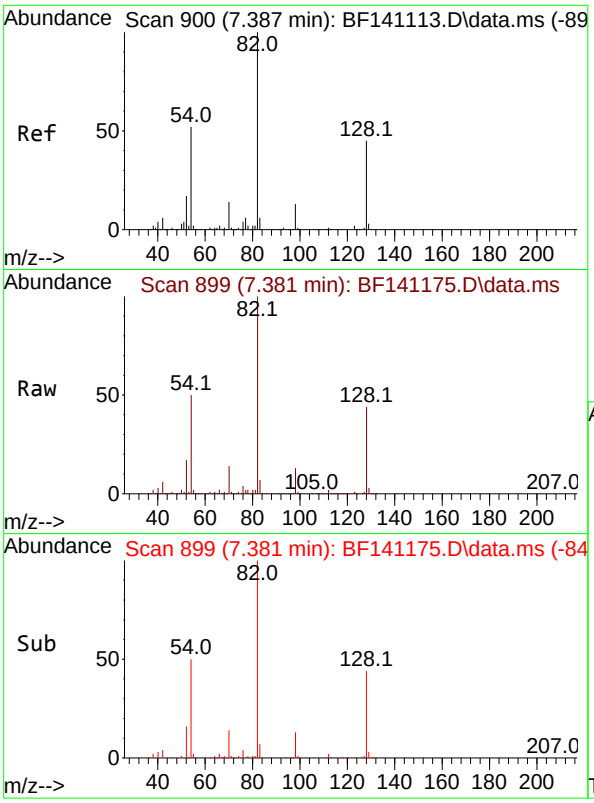




#22
Acetophenone
Concen: 31.465 ng
RT: 7.228 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:105 Resp: 419952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.7 | 7.1 | 10.7 |
| 51 | 33.8 | 25.4 | 38.2 |
| 120 | 21.7 | 18.0 | 27.0 |



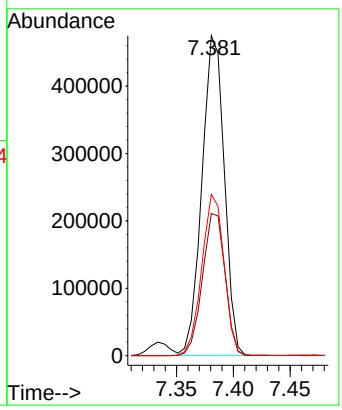


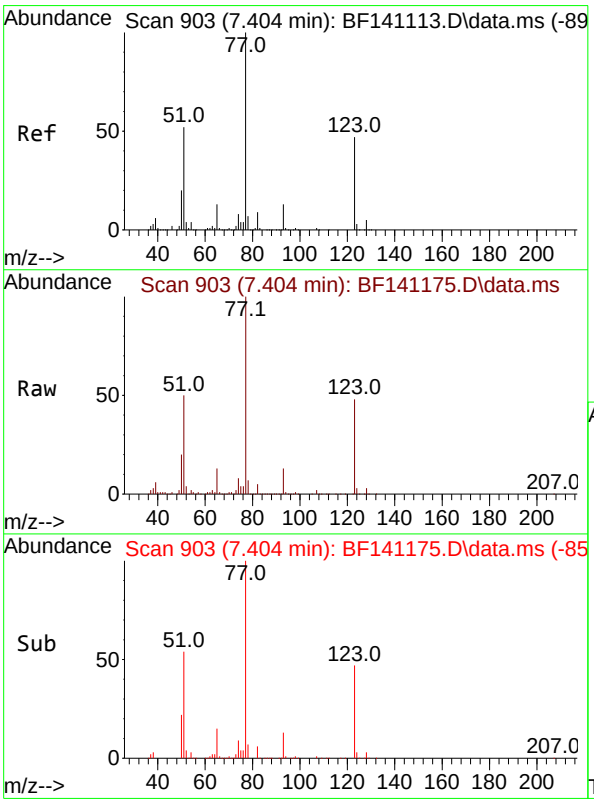

#23
Nitrobenzene-d5
Concen: 61.362 ng
RT: 7.381 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion: 82 Resp: 649918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.4 | 36.1 | 54.1 |
| 54 | 50.4 | 41.0 | 61.4 |

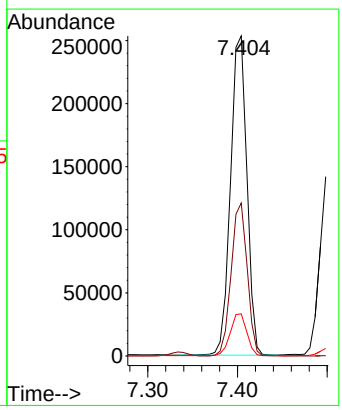


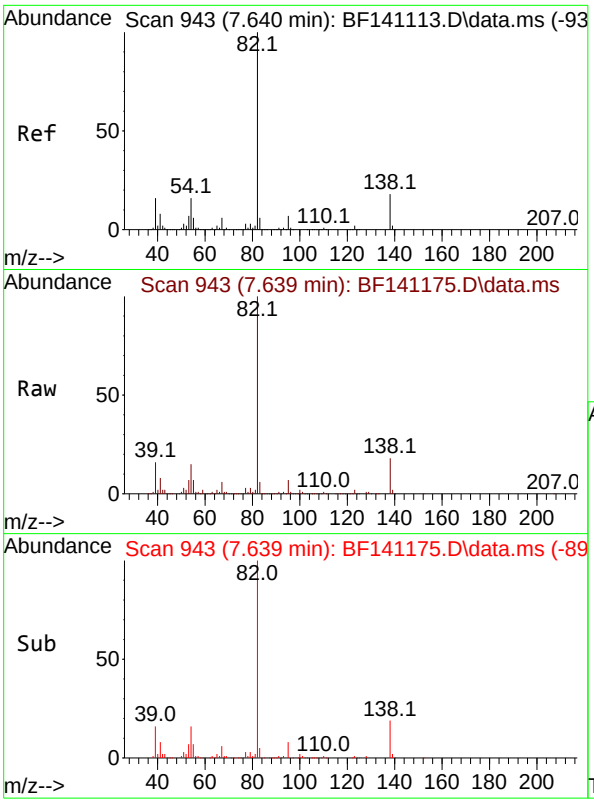




#24
Nitrobenzene
Concen: 29.046 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion: 77 Resp: 320631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.8 | 37.7 | 56.5 |
| 65 | 13.2 | 10.6 | 16.0 |



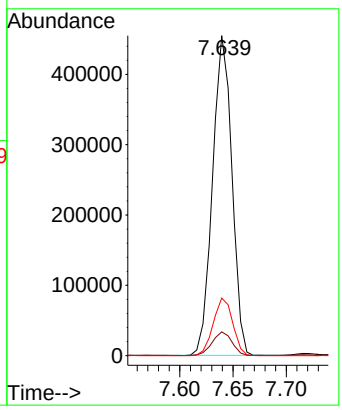


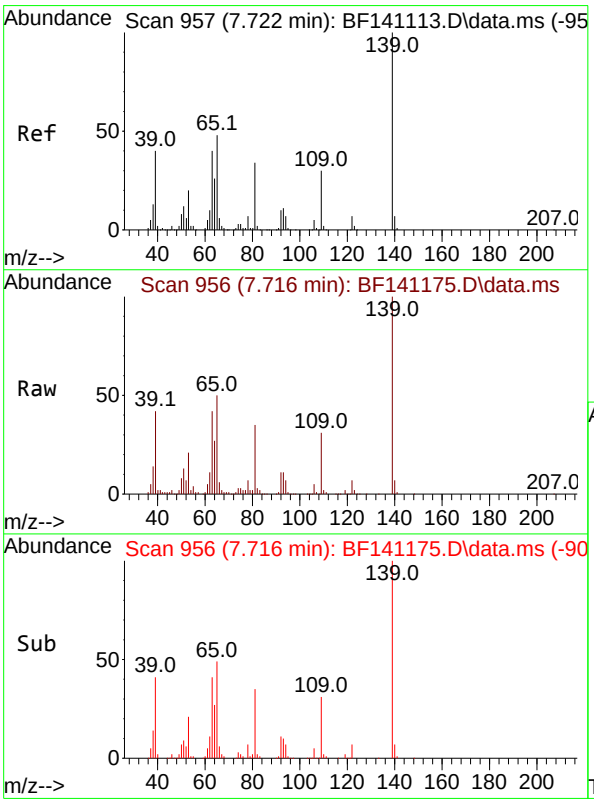

#25
Isophorone
Concen: 31.712 ng
RT: 7.639 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion: 82 Resp: 574003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.4 | 5.9 | 8.9 |
| 138 | 18.0 | 14.2 | 21.2 |

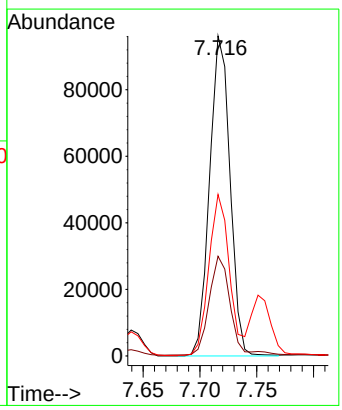


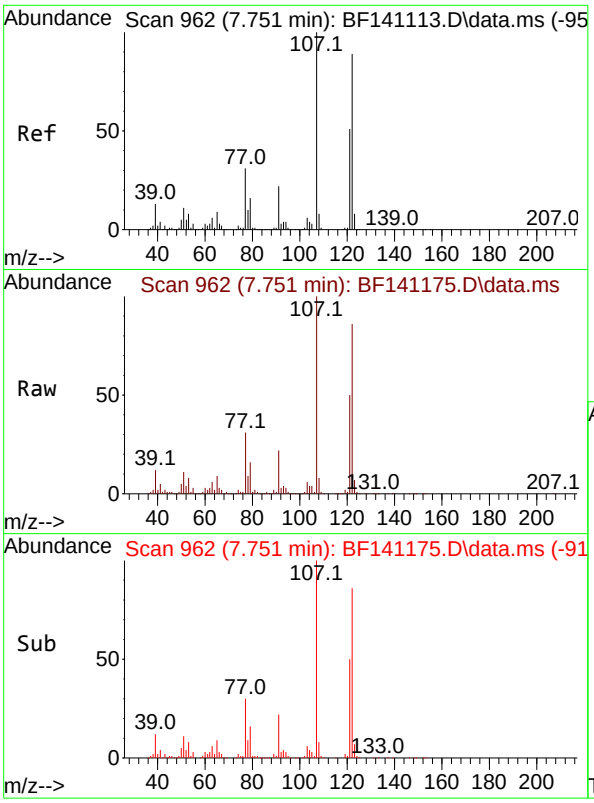




#26
2-Nitrophenol
Concen: 23.977 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:139 Resp: 120397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.2 | 23.8 | 35.6 |
| 65 | 50.5 | 38.5 | 57.7 |



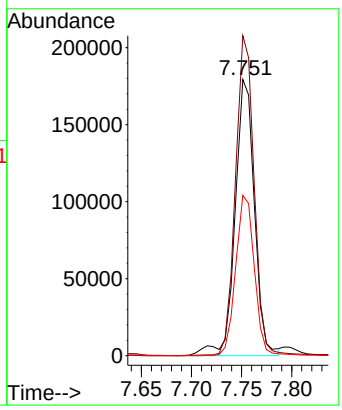


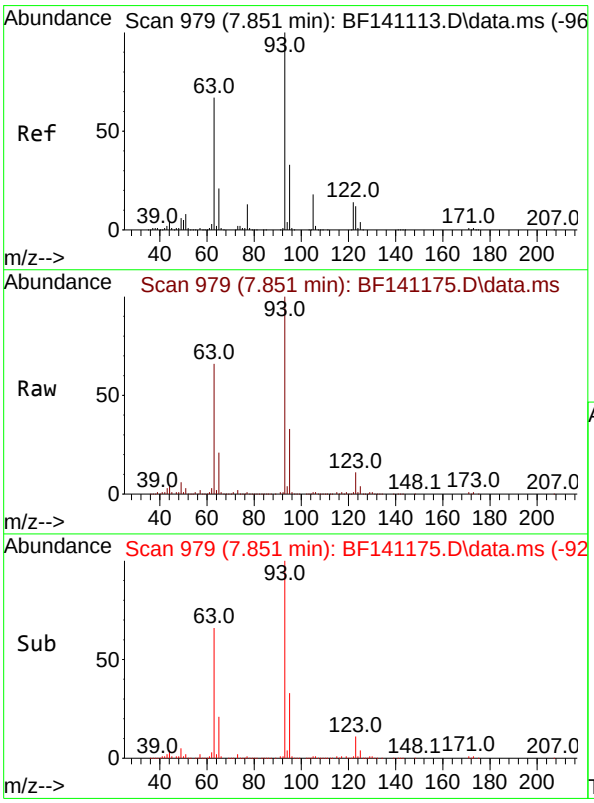

#27
2,4-Dimethylphenol
Concen: 35.728 ng
RT: 7.751 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:122 Resp: 241988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 115.9 | 90.3 | 135.5 |
| 121 | 58.1 | 46.5 | 69.7 |

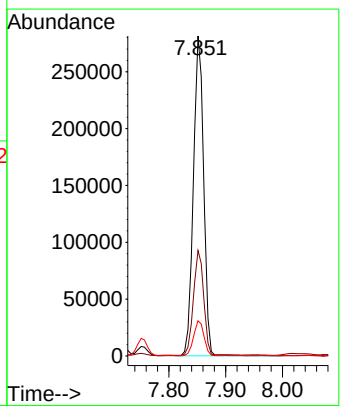


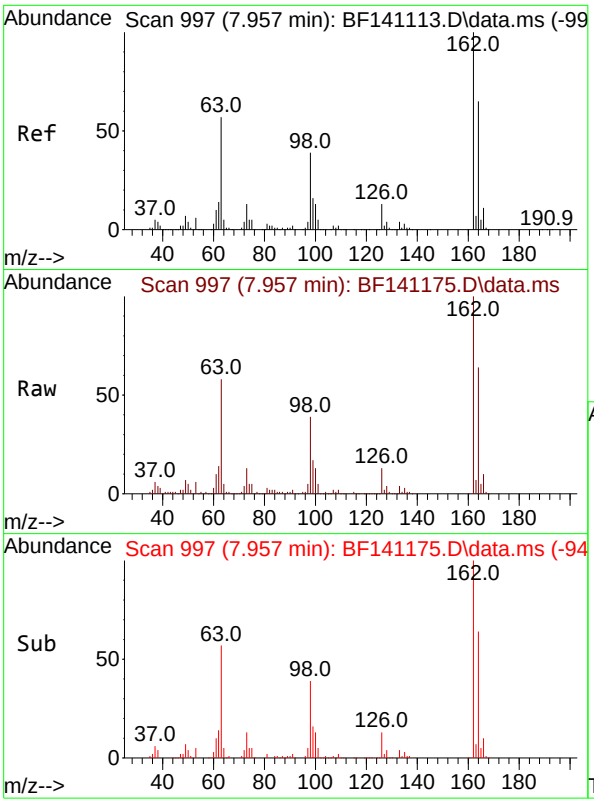




#28
bis(2-Chloroethoxy)methane
Concen: 31.271 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion: 93 Resp: 355223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.9 | 26.2 | 39.4 |
| 123 | 11.0 | 10.1 | 15.1 |



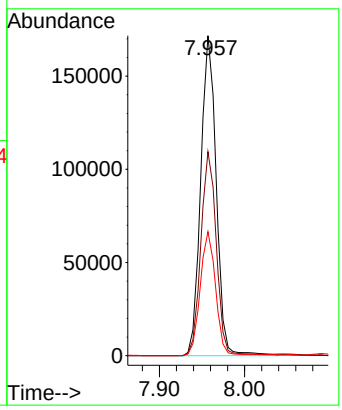


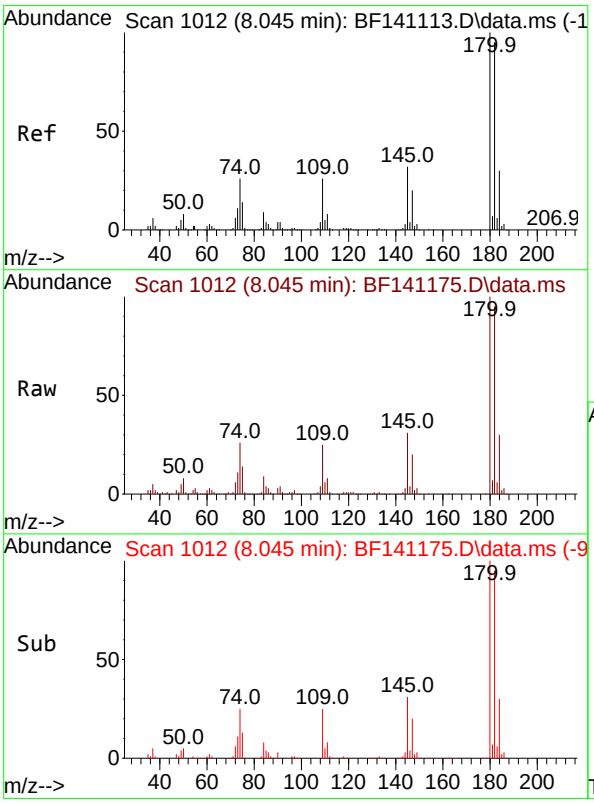

#29
2,4-Dichlorophenol
Concen: 27.047 ng
RT: 7.957 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:162 Resp: 217566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.7 | 44.5 | 84.5 |
| 98 | 38.8 | 18.5 | 58.5 |

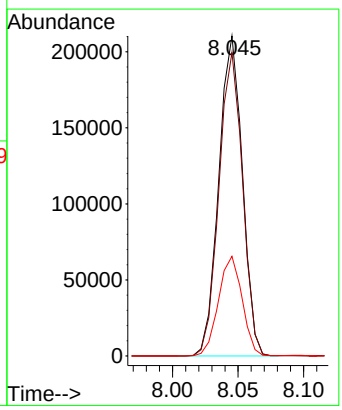


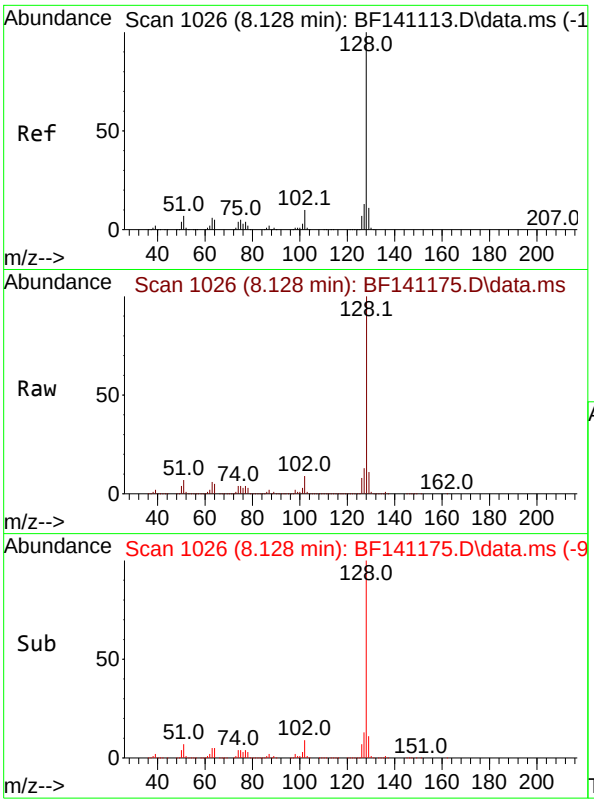




#30
1,2,4-Trichlorobenzene
Concen: 28.609 ng
RT: 8.045 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:180 Resp: 263047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 76.2 | 114.2 |
| 145 | 31.2 | 25.3 | 37.9 |



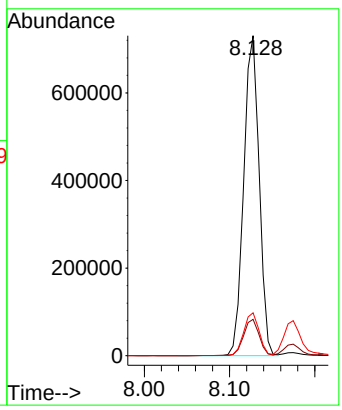


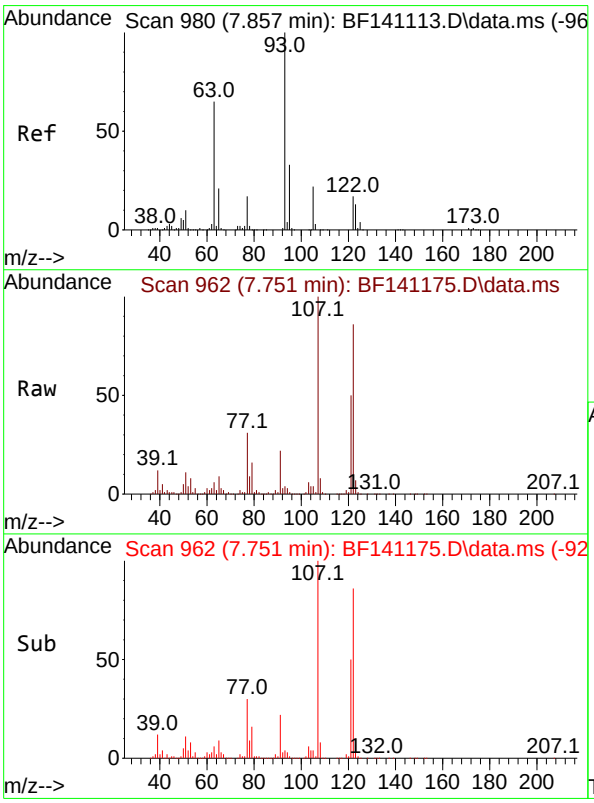

#31
Naphthalene
Concen: 31.026 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:128 Resp: 918606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.4 | 9.0 | 13.6 |
| 127 | 13.4 | 10.8 | 16.2 |

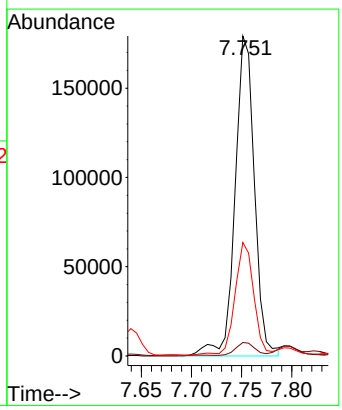


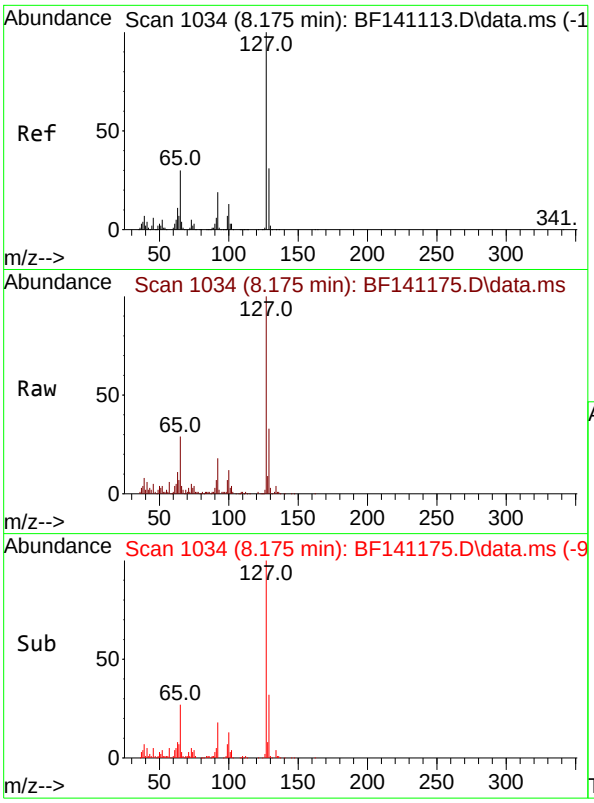




#32
Benzoic acid
Concen: 37.245 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.106 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:122 Resp: 241988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 4.2 | 105.5 | 145.5# |
| 77 | 35.4 | 75.1 | 115.1# |



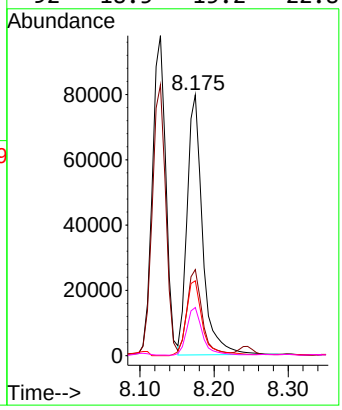


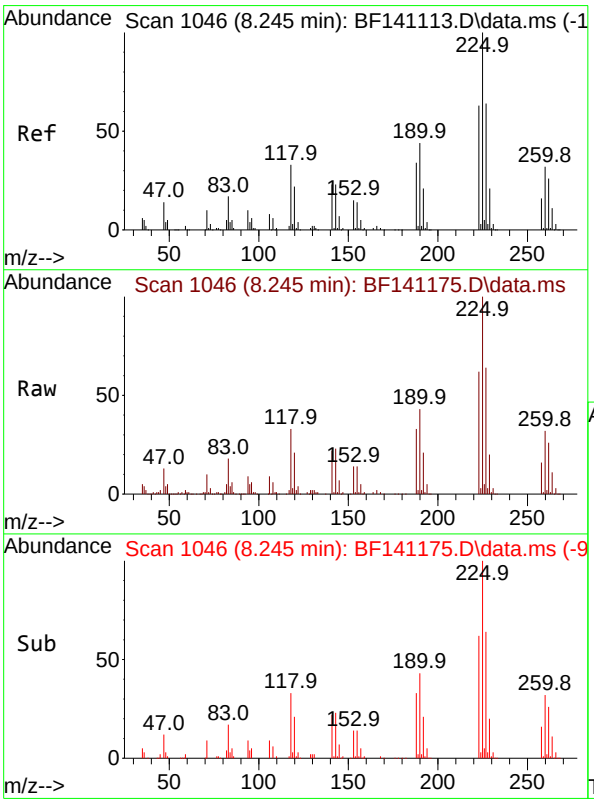

#33
4-Chloroaniline
Concen: 11.264 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:127 Resp: 115343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 33.0 | 25.9 | 38.9 |
| 65 | 28.7 | 23.8 | 35.8 |
| 92 | 18.5 | 15.2 | 22.8 |

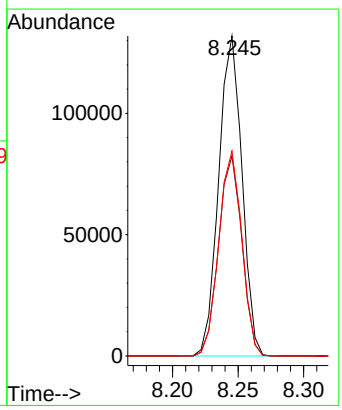


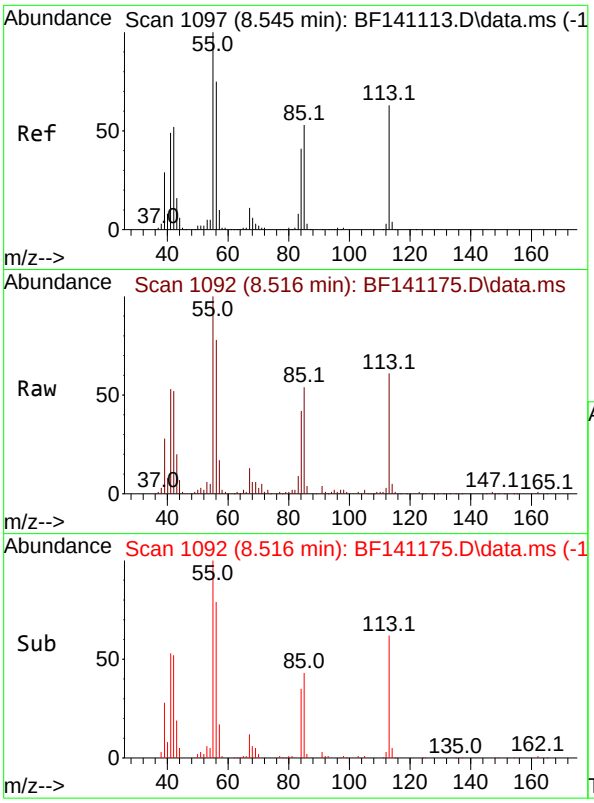




#34
Hexachlorobutadiene
Concen: 29.337 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:225 Resp: 162534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 50.6 | 76.0 |
| 227 | 64.0 | 51.6 | 77.4 |



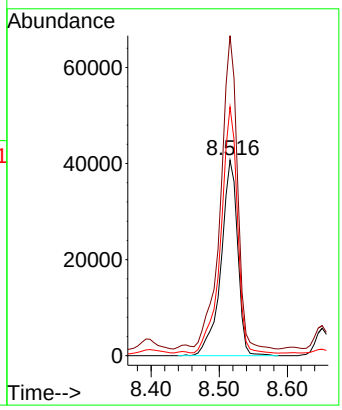


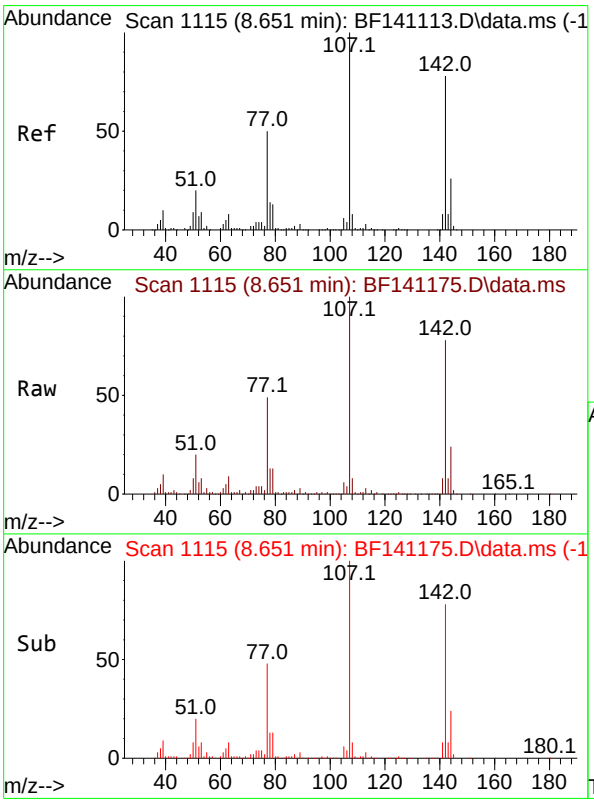

#35
Caprolactam
Concen: 26.249 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.030 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:113 Resp: 69129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 163.8 | 139.7 | 179.7 |
| 56 | 127.3 | 99.4 | 139.4 |

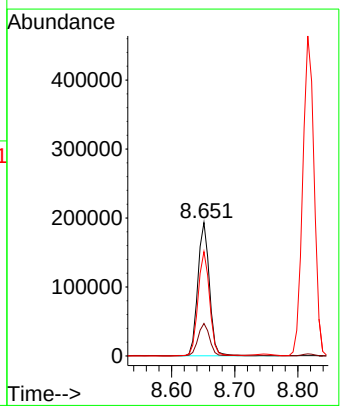


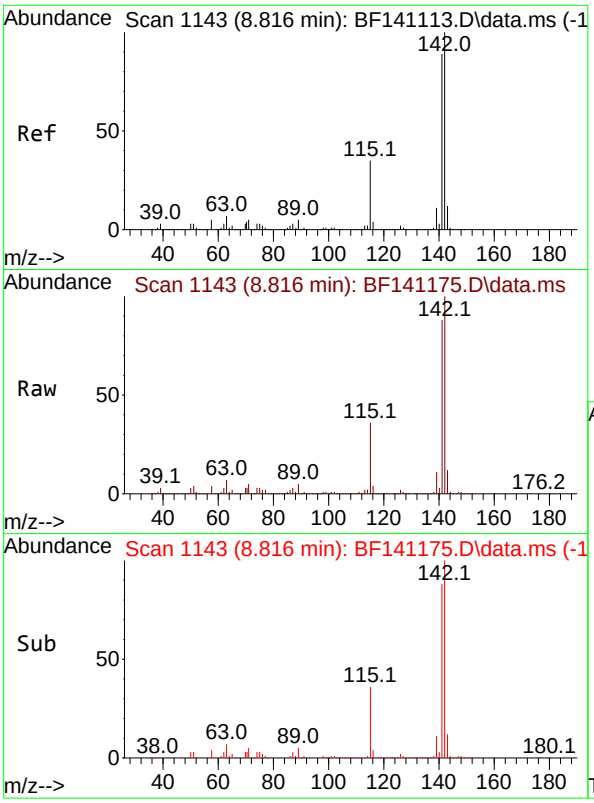




#36
4-Chloro-3-methylphenol
Concen: 28.059 ng
RT: 8.651 min Scan# 1115
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:107 Resp: 246845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.4 | 20.4 | 30.6 |
| 142 | 78.2 | 62.2 | 93.2 |



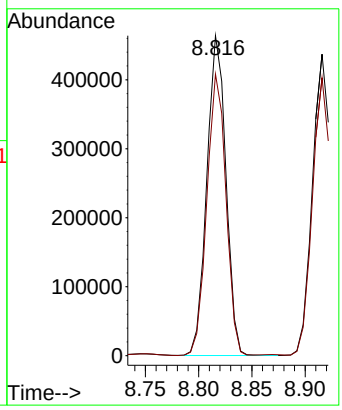


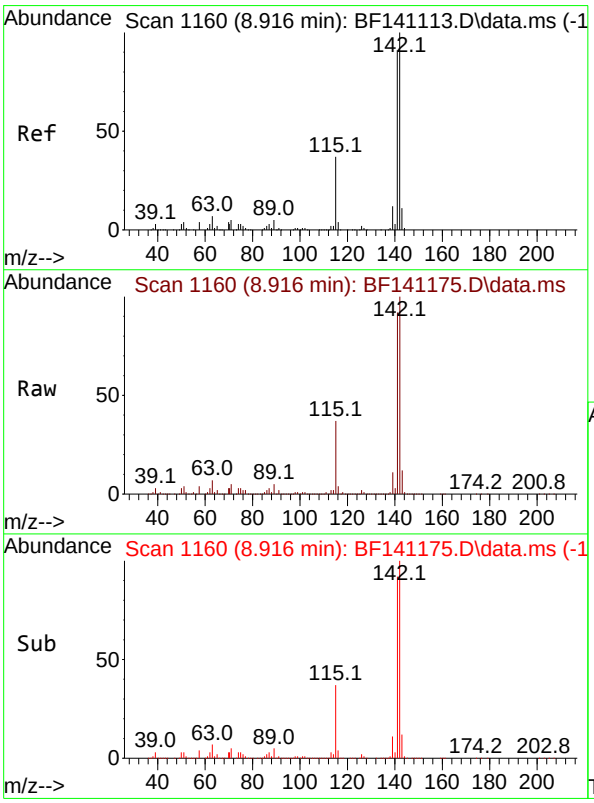

#37
2-Methylnaphthalene
Concen: 30.662 ng
RT: 8.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:142 Resp: 578514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.0 | 71.3 | 106.9 |

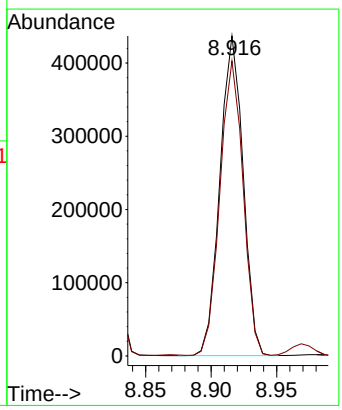


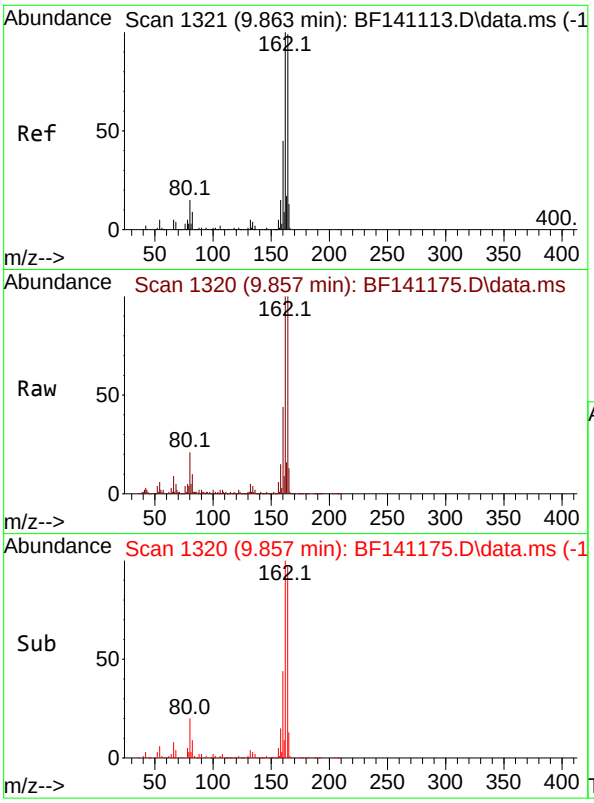




#38
1-Methylnaphthalene
Concen: 28.874 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:142 Resp: 536900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.2 | 73.1 | 109.7 |



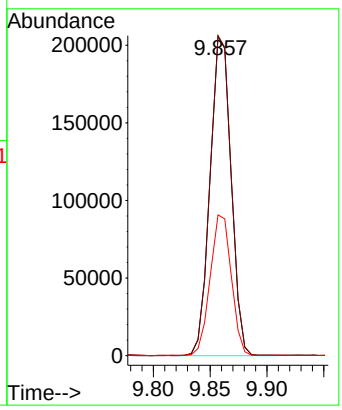


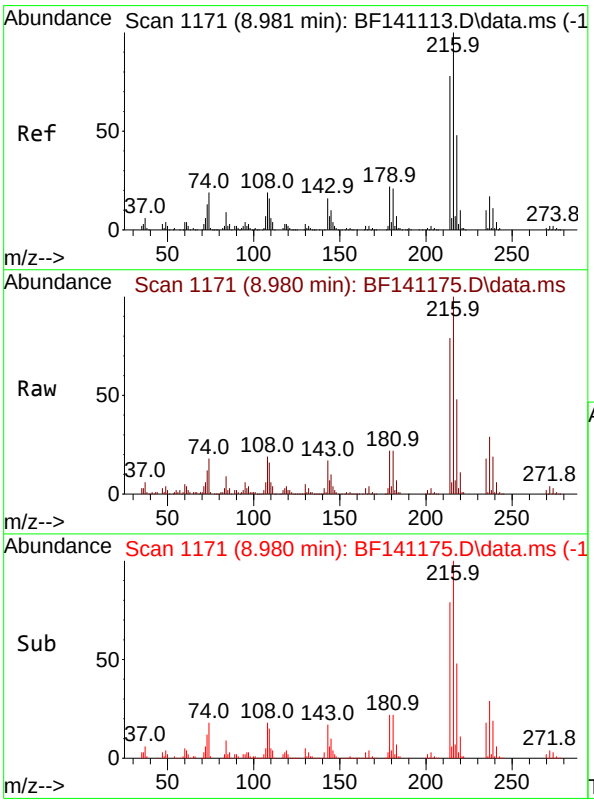

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:164 Resp: 265282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.2 | 81.0 | 121.4 |
| 160 | 44.1 | 36.1 | 54.1 |

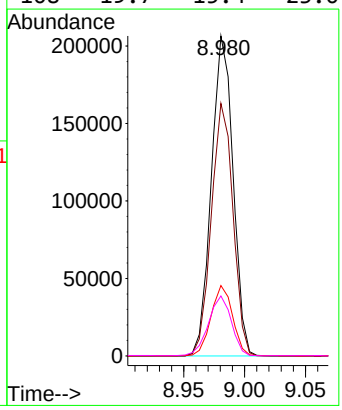


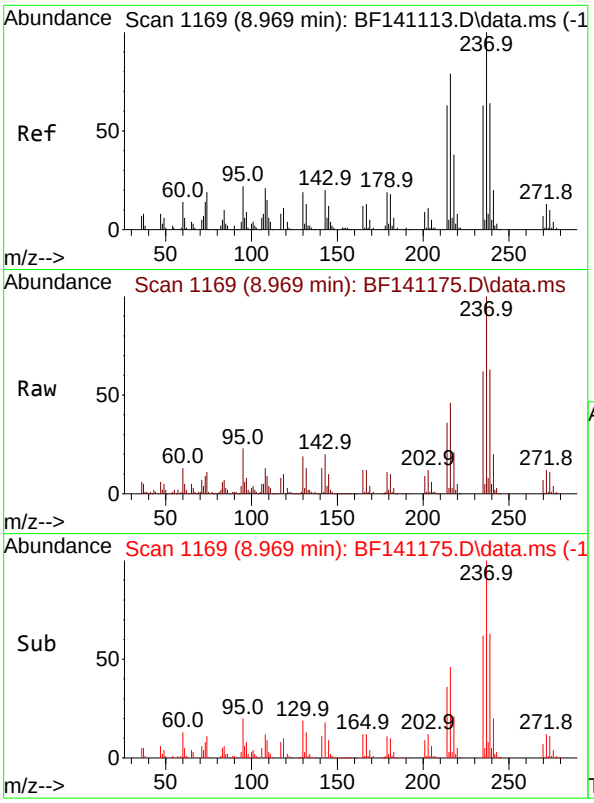




#40
1,2,4,5-Tetrachlorobenzene
Concen: 33.573 ng
RT: 8.980 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:216 Resp: 255628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.8 | 62.6 | 94.0 |
| 179 | 21.7 | 17.7 | 26.5 |
| 108 | 19.7 | 15.4 | 23.0 |



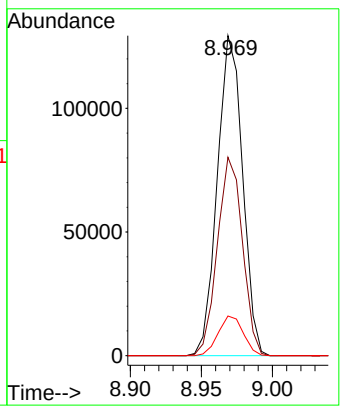


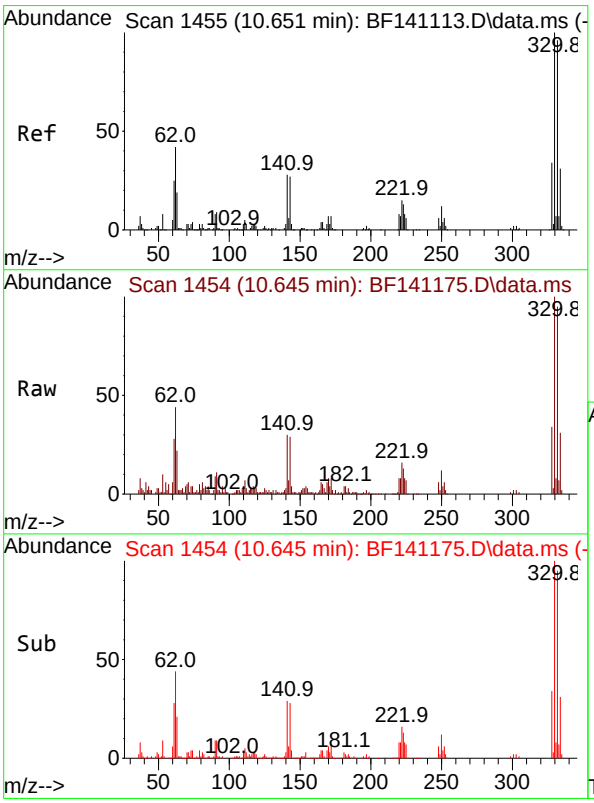

#41
Hexachlorocyclopentadiene
Concen: 64.166 ng
RT: 8.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:237 Resp: 159842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.0 | 43.0 | 83.0 |
| 272 | 12.4 | 0.0 | 33.0 |

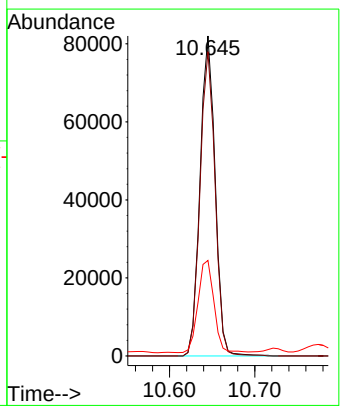


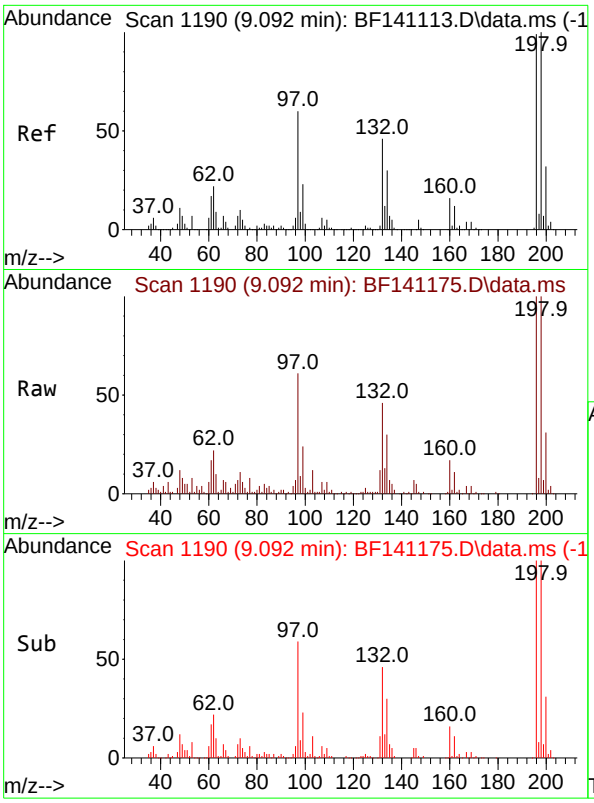




#42
2,4,6-Tribromophenol
Concen: 33.339 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:330 Resp: 100774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.9 | 76.9 | 115.3 |
| 141 | 30.3 | 25.2 | 37.8 |



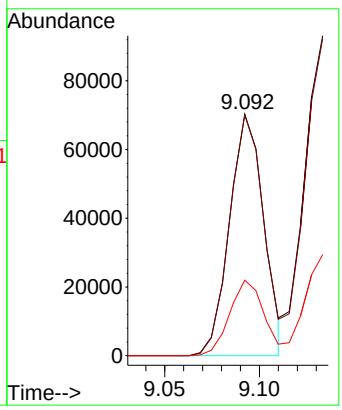


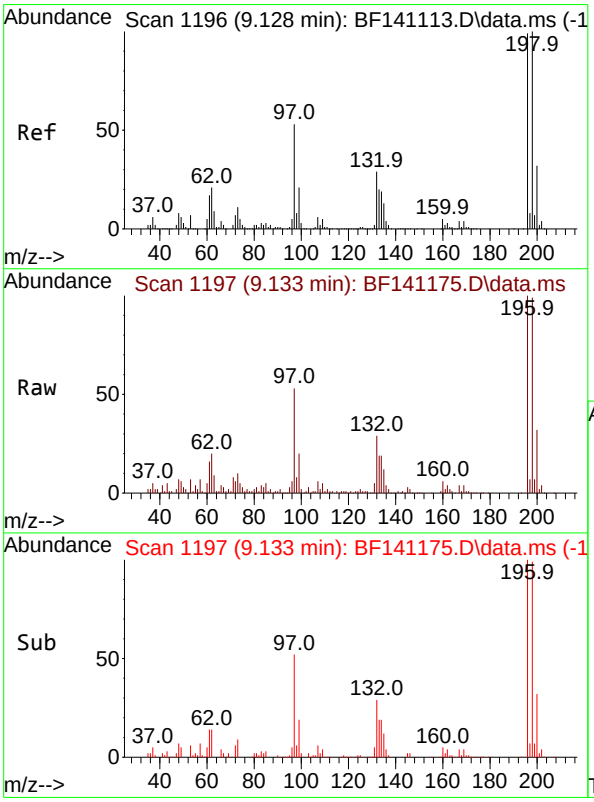

#43
2,4,6-Trichlorophenol
Concen: 17.169 ng
RT: 9.092 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:196 Resp: 88165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.5 | 80.8 | 121.2 |
| 200 | 31.3 | 25.7 | 38.5 |

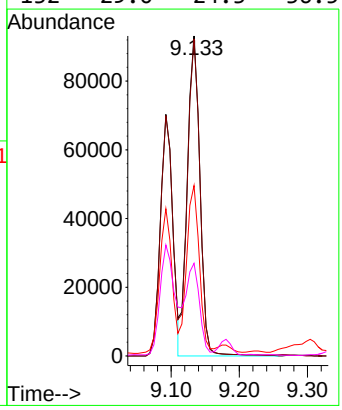


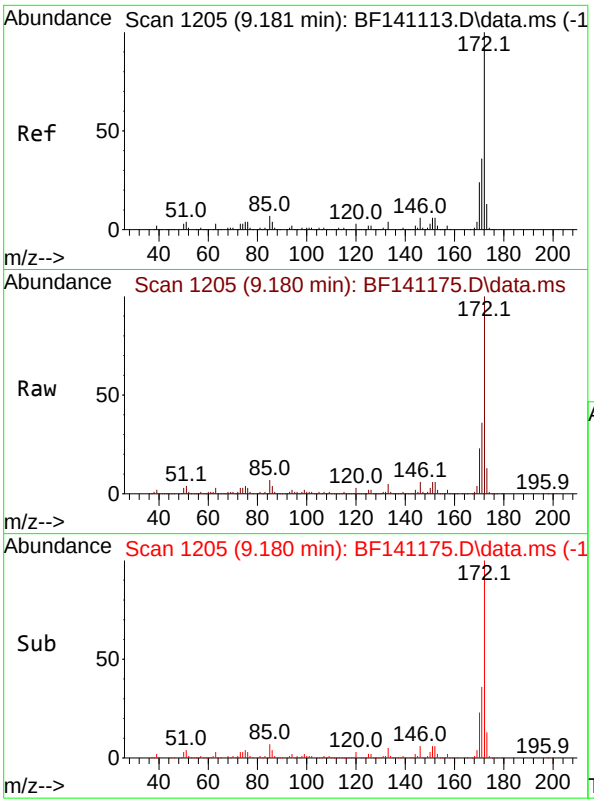




#44
2,4,5-Trichlorophenol
Concen: 22.032 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:196 Resp: 119487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.1 | 80.6 | 120.8 |
| 97 | 53.3 | 43.1 | 64.7 |
| 132 | 29.0 | 24.3 | 36.5 |



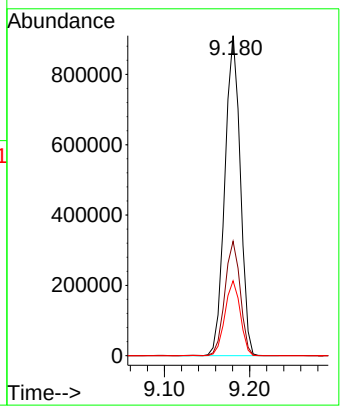


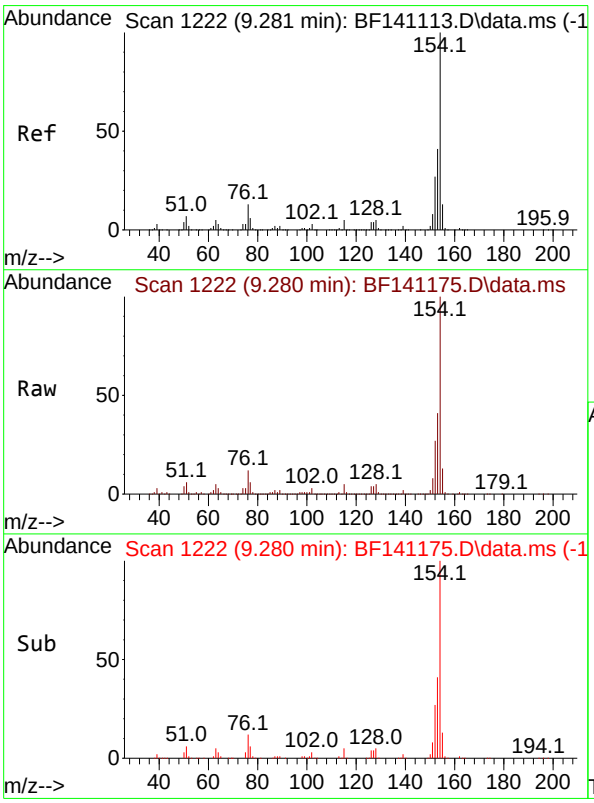

#45
2-Fluorobiphenyl
Concen: 65.849 ng
RT: 9.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:172 Resp: 1143953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.7 | 28.7 | 43.1 |
| 170 | 23.4 | 19.0 | 28.6 |

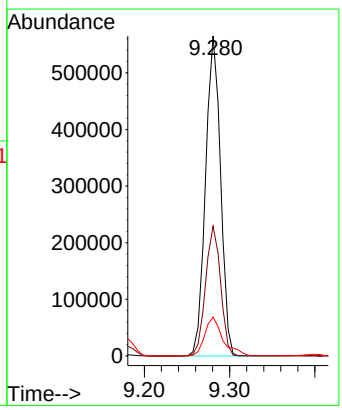


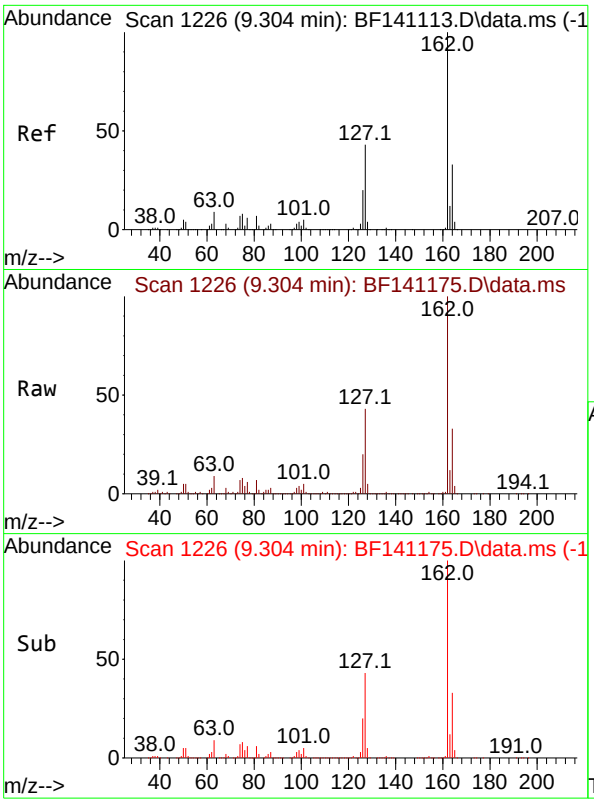




#46
1,1'-Biphenyl
Concen: 33.515 ng
RT: 9.280 min Scan# 1222
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:154 Resp: 690480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.6 | 20.7 | 60.7 |
| 76 | 12.1 | 0.0 | 33.1 |



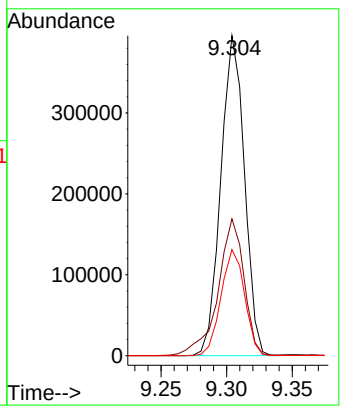


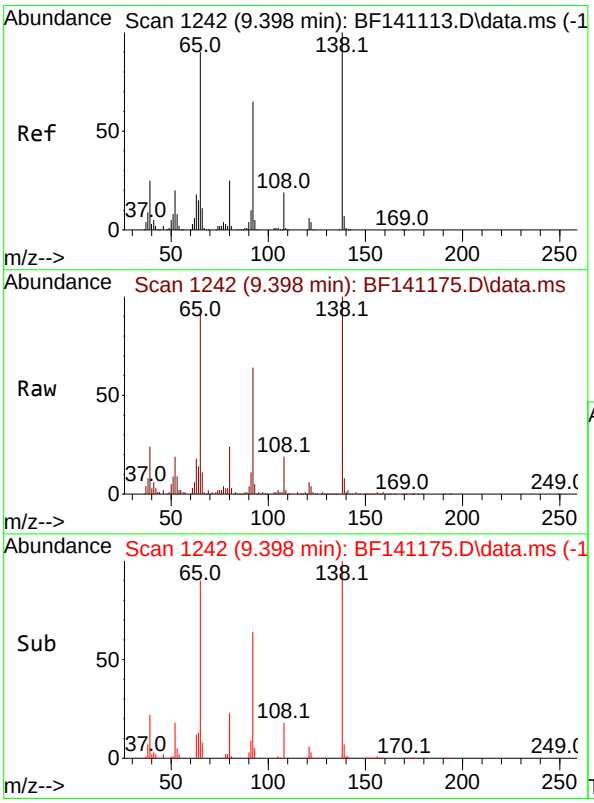

#47
2-Chloronaphthalene
Concen: 30.895 ng
RT: 9.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:162 Resp: 495753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.7 | 34.6 | 51.8 |
| 164 | 33.1 | 26.5 | 39.7 |

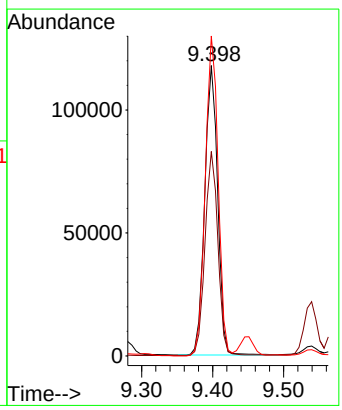


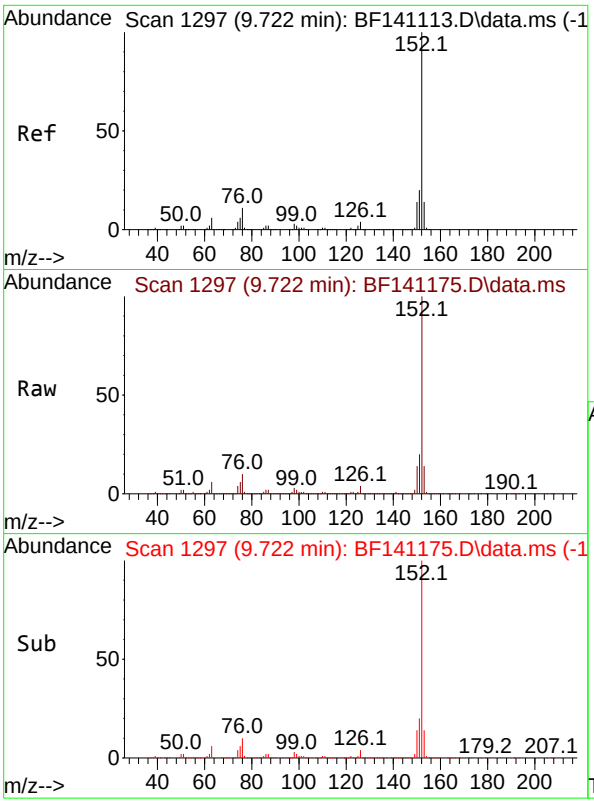




#48
2-Nitroaniline
Concen: 31.408 ng
RT: 9.398 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion: 65 Resp: 149394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.4 | 58.3 | 87.5 |
| 138 | 110.2 | 89.1 | 133.7 |



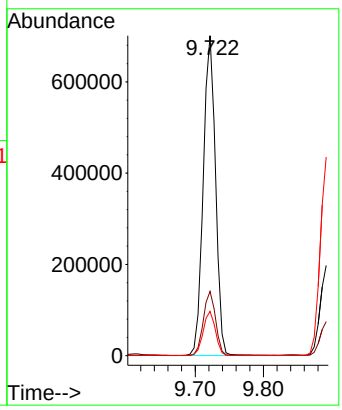


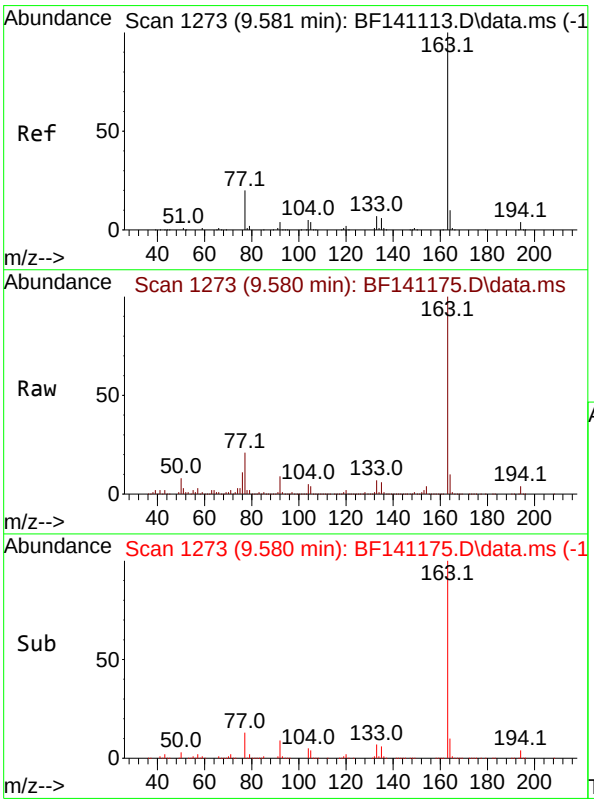

#49
Acenaphthylene
Concen: 38.283 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:152 Resp: 877645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.1 | 24.1 |
| 153 | 13.9 | 11.1 | 16.7 |

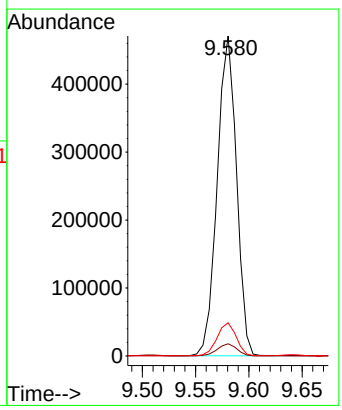


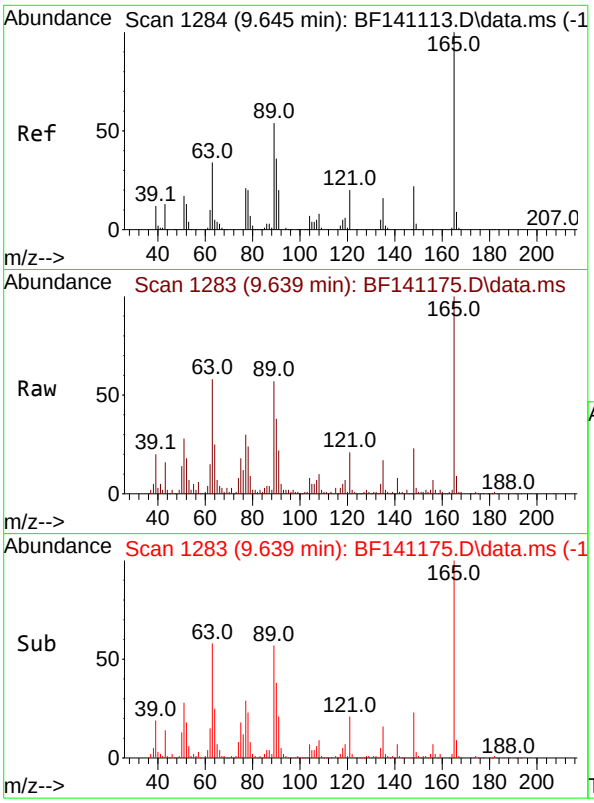




#50
Dimethylphthalate
Concen: 33.137 ng
RT: 9.580 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:163 Resp: 590143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.6 |
| 164 | 10.3 | 8.2 | 12.4 |



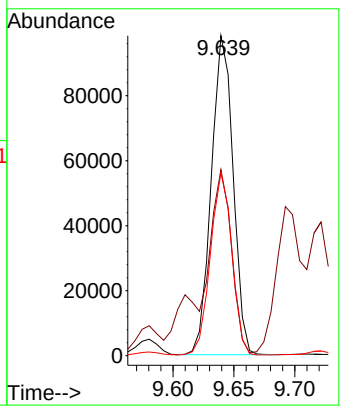


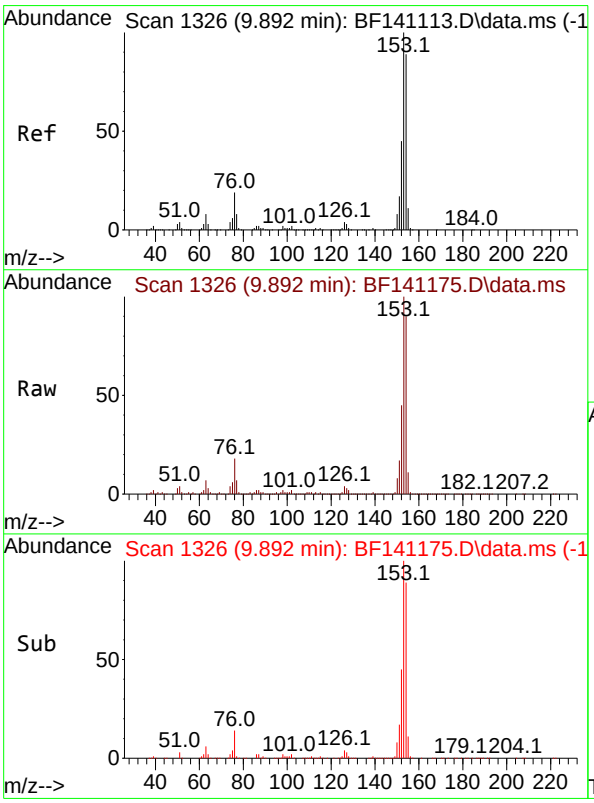

#51
2,6-Dinitrotoluene
Concen: 29.528 ng
RT: 9.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:165 Resp: 122290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 58.1 | 42.3 | 63.5 |
| 89 | 57.1 | 43.1 | 64.7 |

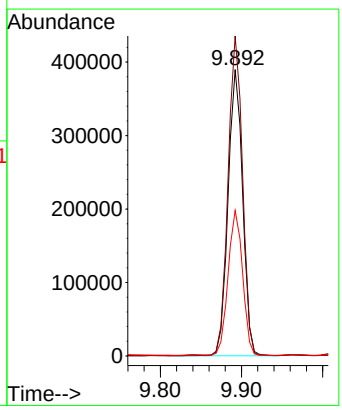


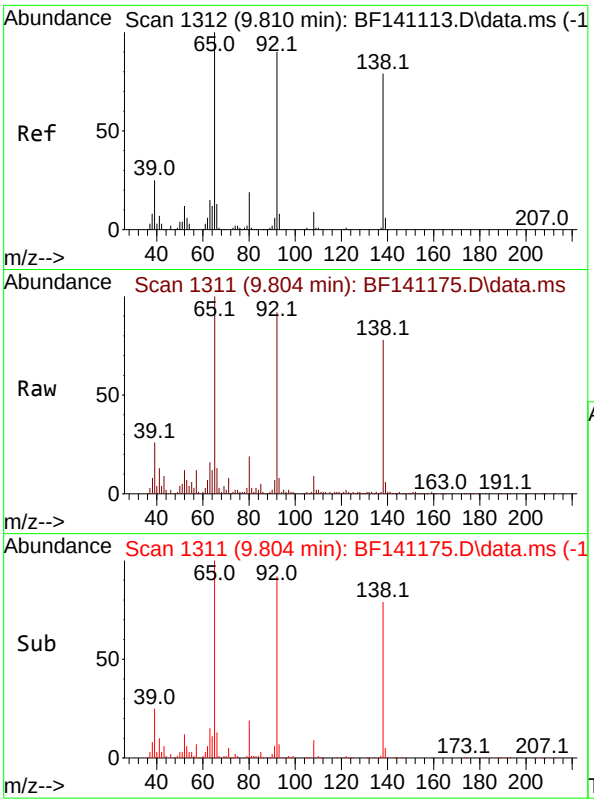




#52
Acenaphthene
Concen: 30.298 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:154 Resp: 485274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.7 | 89.8 | 134.6 |
| 152 | 50.8 | 40.8 | 61.2 |



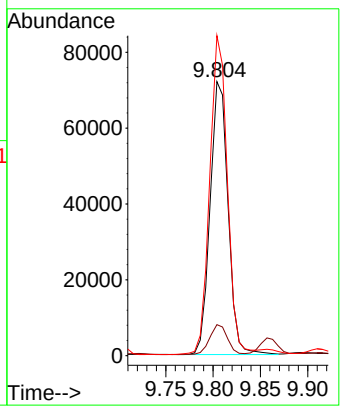


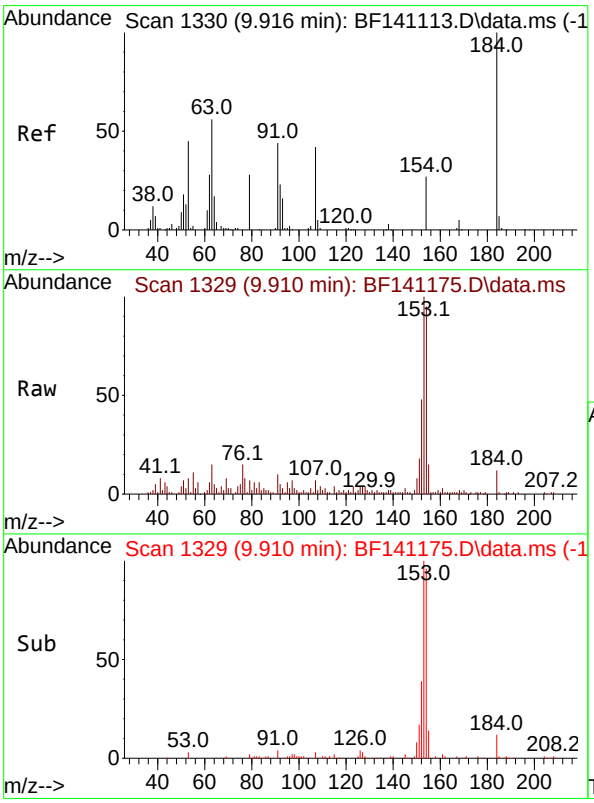

#53
3-Nitroaniline
Concen: 22.559 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:138 Resp: 94941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.4 | 8.8 | 13.2 |
| 92 | 116.8 | 91.3 | 136.9 |

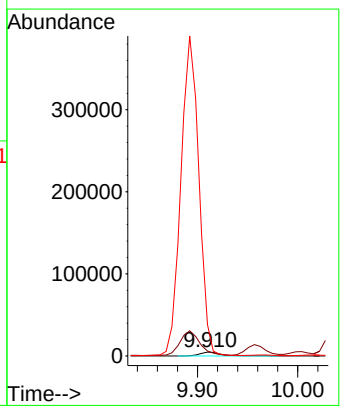


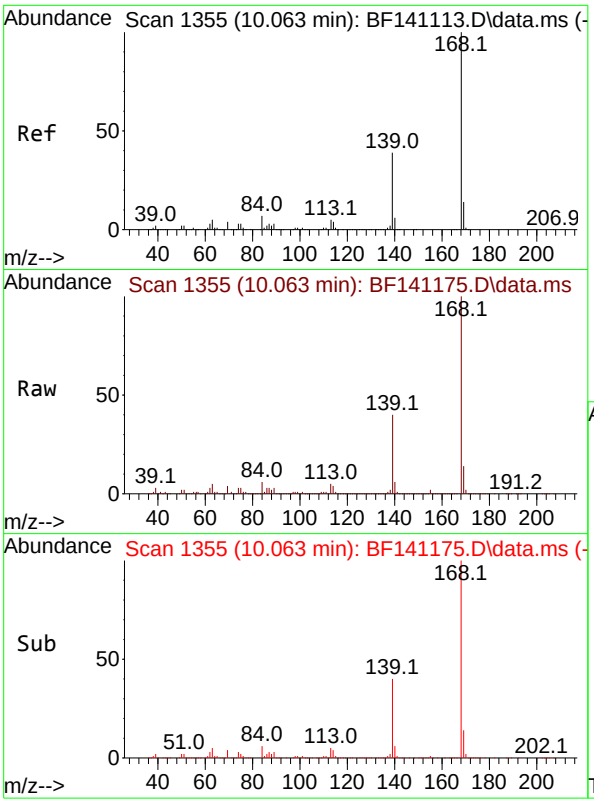




#54
2,4-Dinitrophenol
Concen: 3.440 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:184 Resp: 6772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 130.6 | 48.7 | 73.1# |
| 154 | 828.4 | 57.1 | 85.7# |



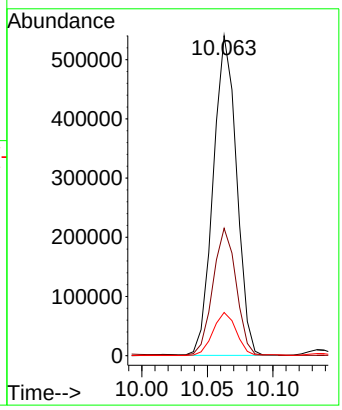


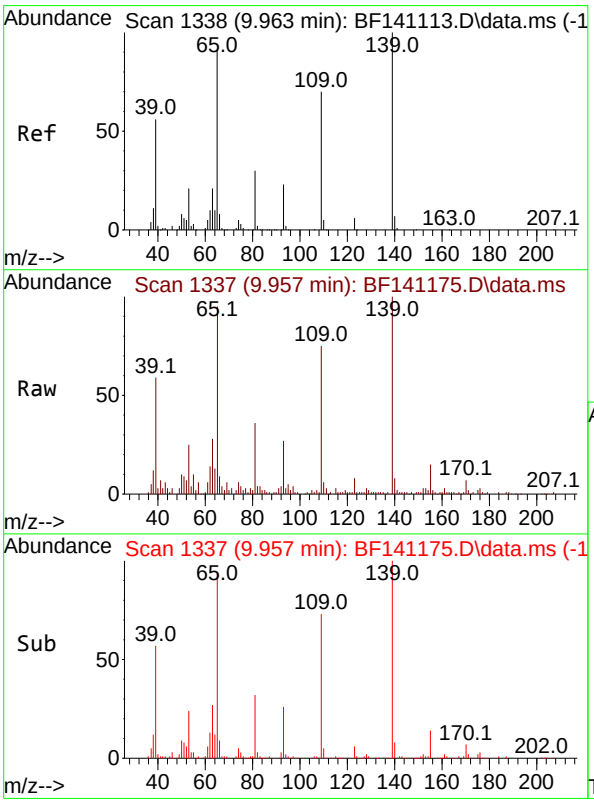

#55
Dibenzofuran
Concen: 30.632 ng
RT: 10.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:168 Resp: 667349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.8 | 31.4 | 47.0 |
| 169 | 13.5 | 10.9 | 16.3 |

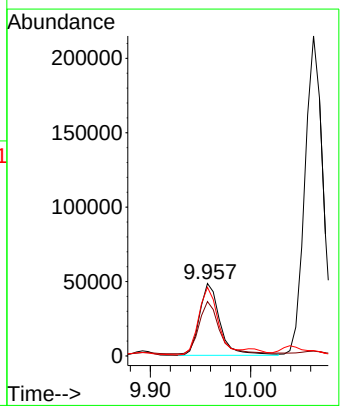


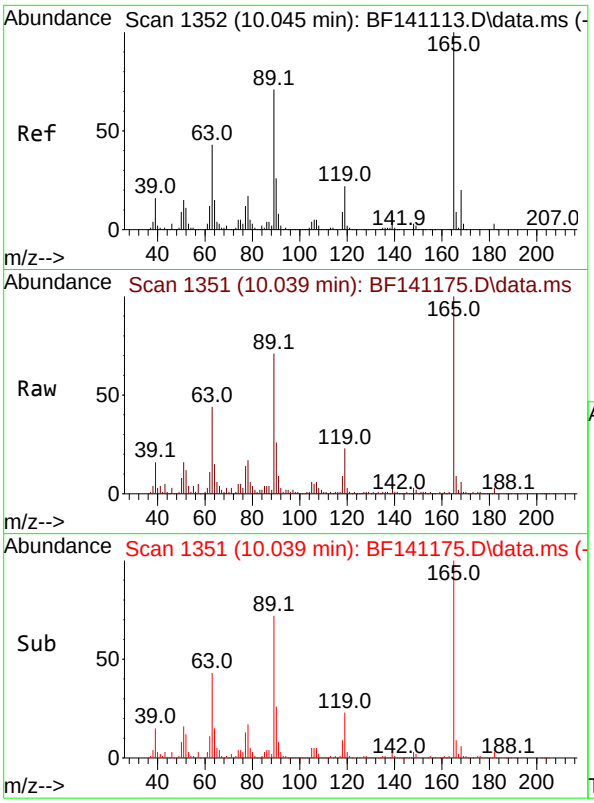




#56
4-Nitrophenol
Concen: 20.816 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:139 Resp: 68610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 75.2 | 50.2 | 90.2 |
| 65 | 94.7 | 72.1 | 112.1 |



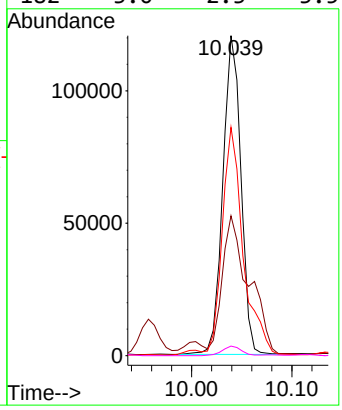


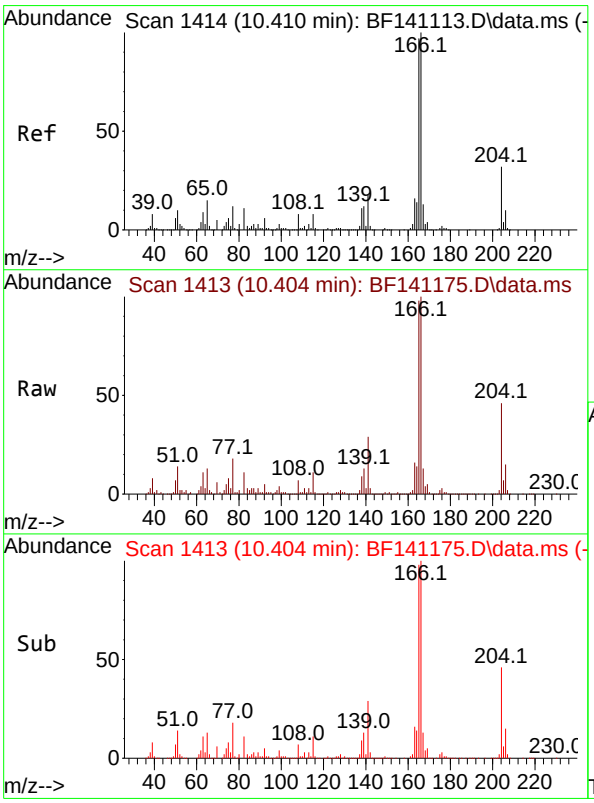

#57
2,4-Dinitrotoluene
Concen: 28.200 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:165 Resp: 150510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 43.7 | 35.0 | 52.4 |
| 89 | 71.4 | 56.7 | 85.1 |
| 182 | 3.0 | 2.3 | 3.5 |

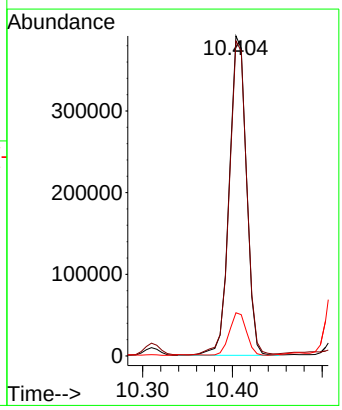


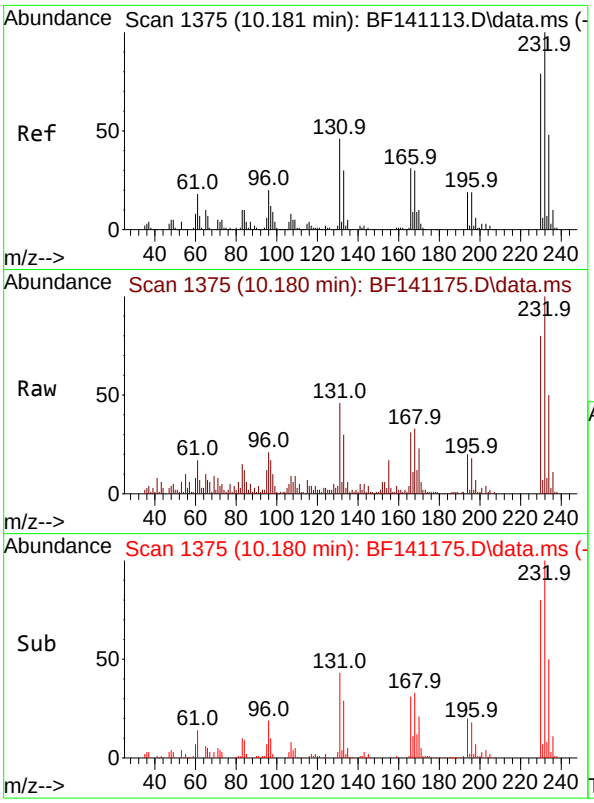




#58
Fluorene
Concen: 30.626 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:166 Resp: 518351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.4 | 77.8 | 116.8 |
| 167 | 13.5 | 10.8 | 16.2 |



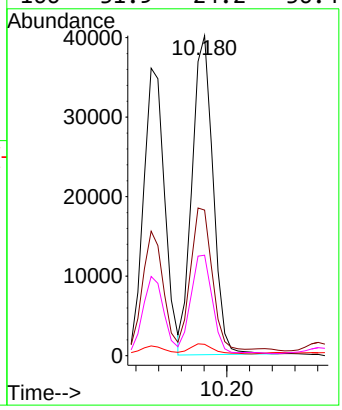


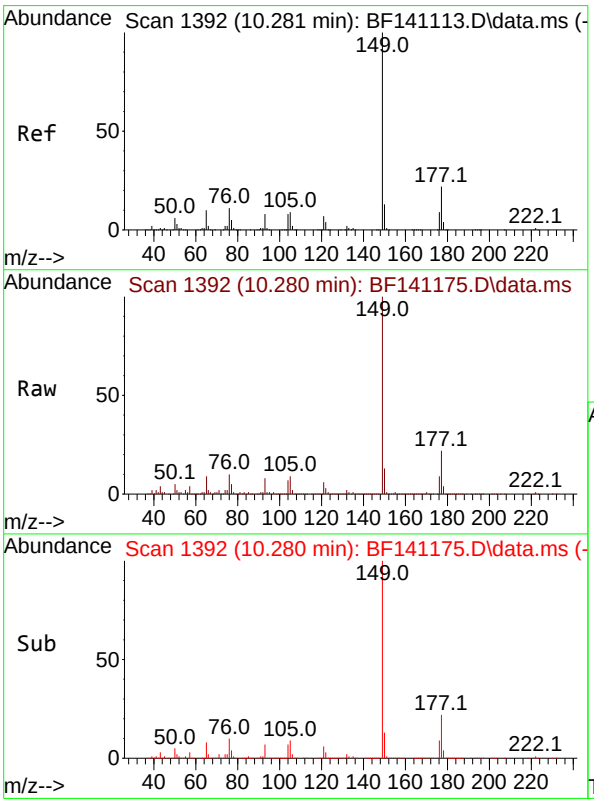

#59
2,3,4,6-Tetrachlorophenol
Concen: 11.396 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:232 Resp: 51375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.4 | 36.2 | 54.4 |
| 130 | 3.5 | 2.0 | 3.0# |
| 166 | 31.9 | 24.2 | 36.4 |

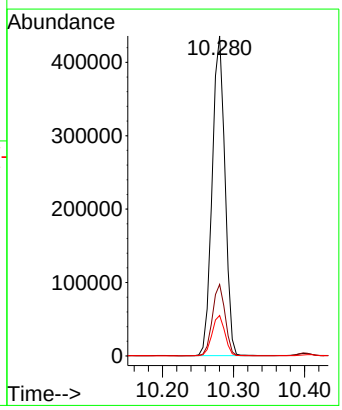


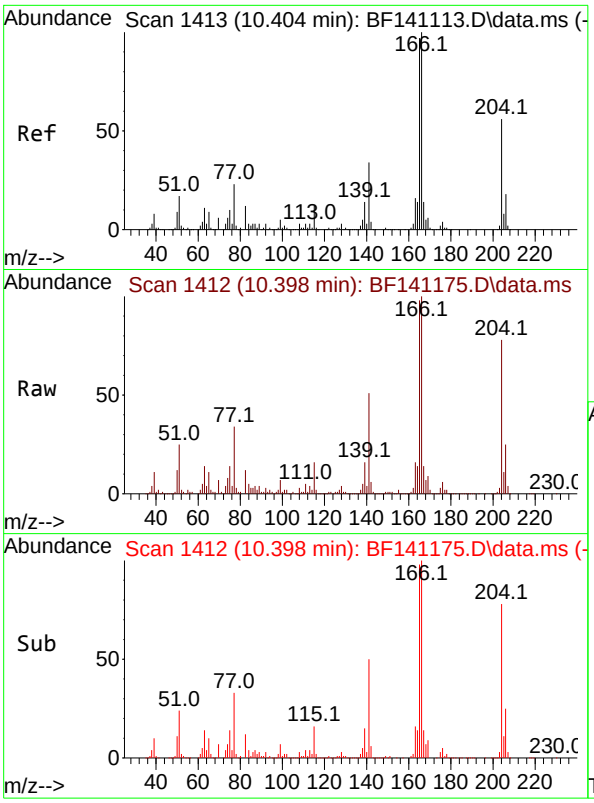




#60
Diethylphthalate
Concen: 31.282 ng
RT: 10.280 min Scan# 1392
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:149 Resp: 543883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.4 | 17.9 | 26.9 |
| 150 | 12.7 | 10.2 | 15.2 |



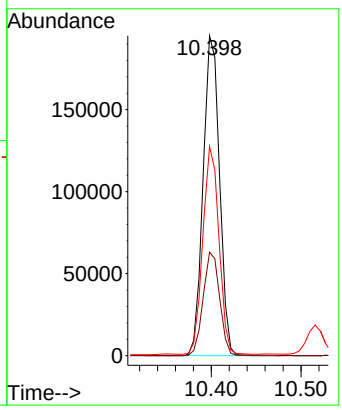


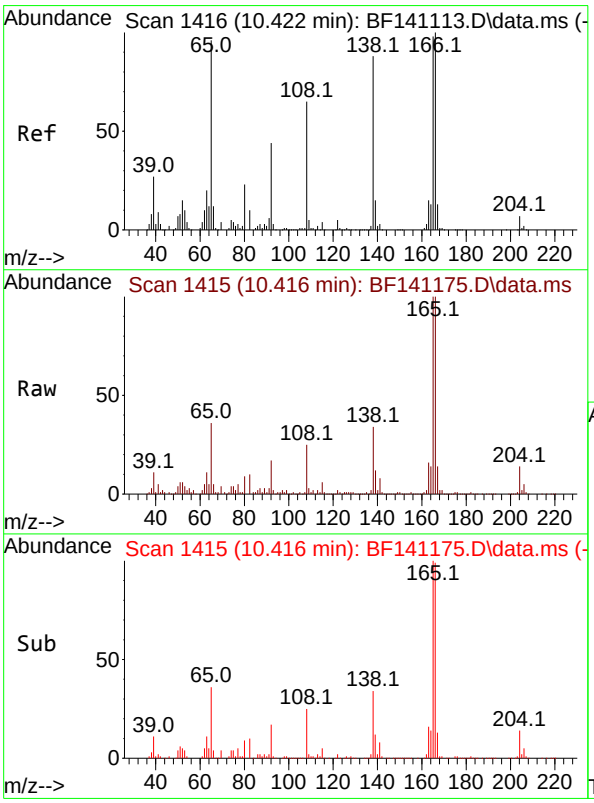

#61
4-Chlorophenyl-phenylether
Concen: 29.974 ng
RT: 10.398 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:204 Resp: 247267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.4 | 25.9 | 38.9 |
| 141 | 65.3 | 49.1 | 73.7 |

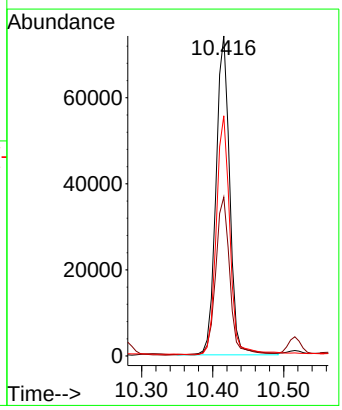


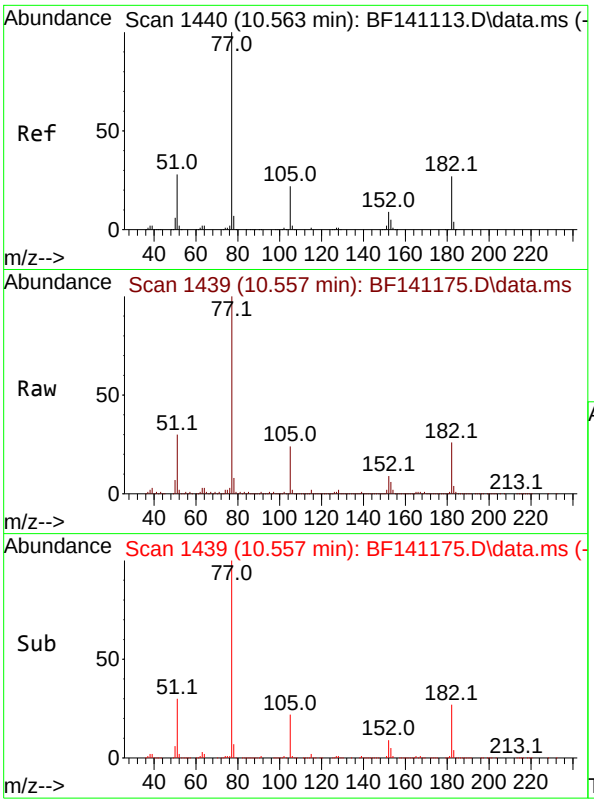




#62
4-Nitroaniline
Concen: 24.070 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:138 Resp: 99151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.6 | 29.4 | 69.4 |
| 108 | 75.1 | 53.7 | 93.7 |



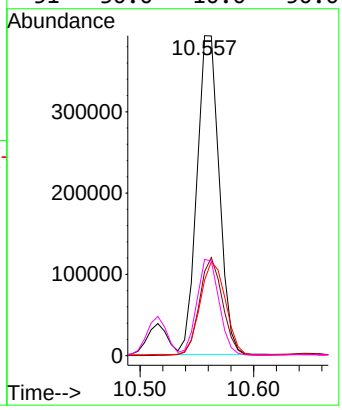


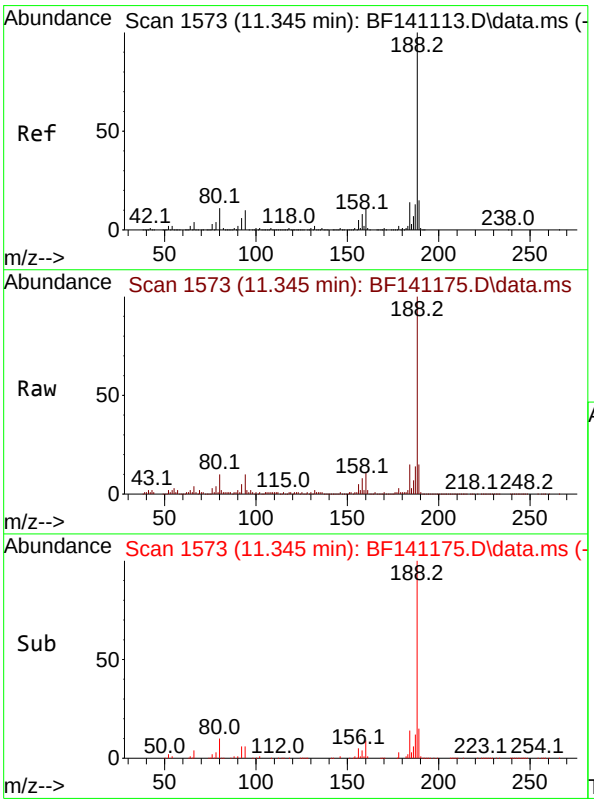

#63
Azobenzene
Concen: 31.058 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion: 77 Resp: 532827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.3 | 6.1 | 46.1 |
| 105 | 23.7 | 2.1 | 42.1 |
| 51 | 30.0 | 10.0 | 50.0 |

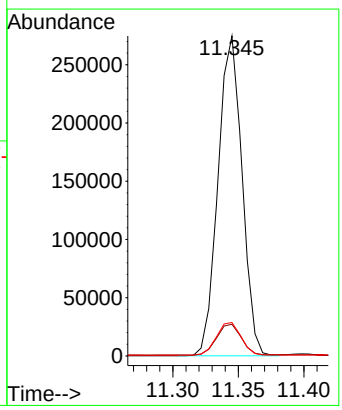


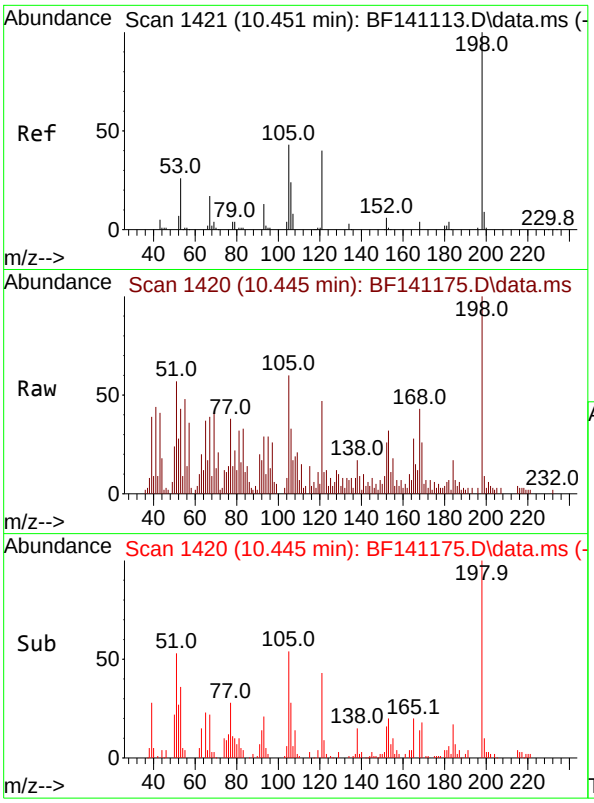




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:188 Resp: 349564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.9 | 8.3 | 12.5 |
| 80 | 10.5 | 9.0 | 13.4 |



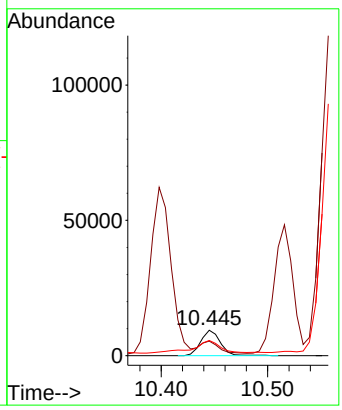


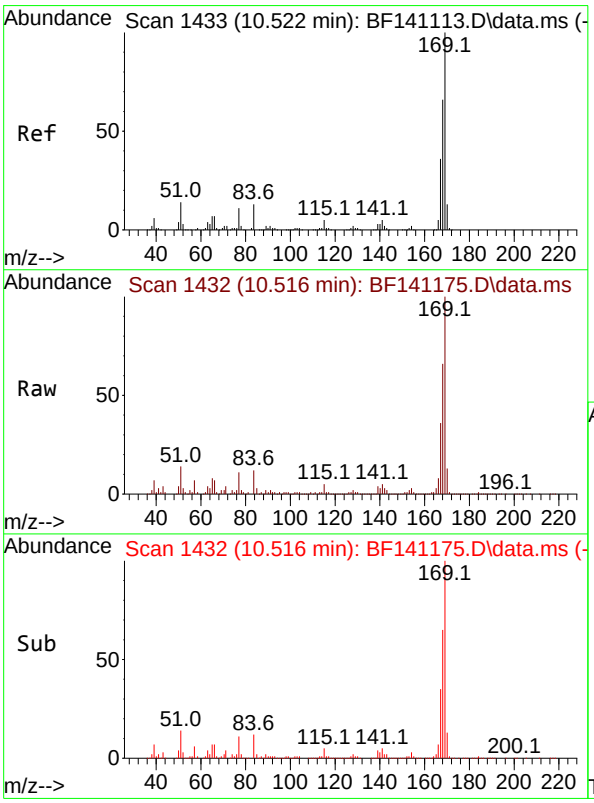

#65
4,6-Dinitro-2-methylphenol
Concen: 5.940 ng
RT: 10.445 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:198 Resp: 12033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 57.2 | 27.1 | 67.1 |
| 105 | 59.8 | 24.2 | 64.2 |

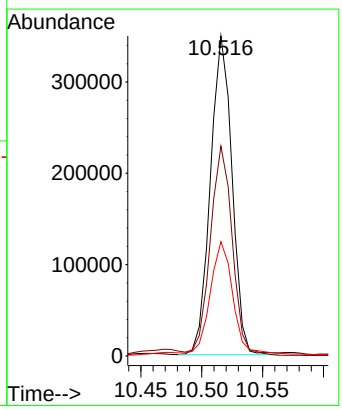


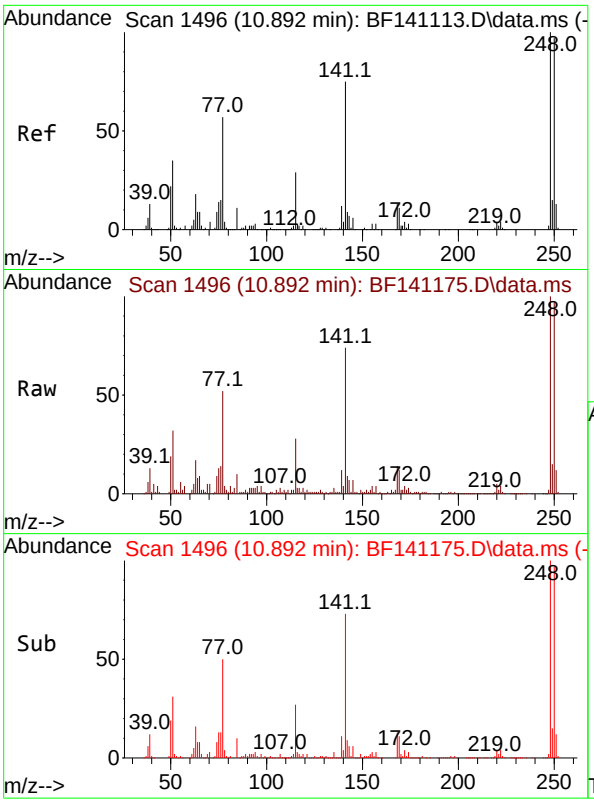




#66
n-Nitrosodiphenylamine
Concen: 38.243 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:169 Resp: 431187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.5 | 52.5 | 78.7 |
| 167 | 35.7 | 28.9 | 43.3 |



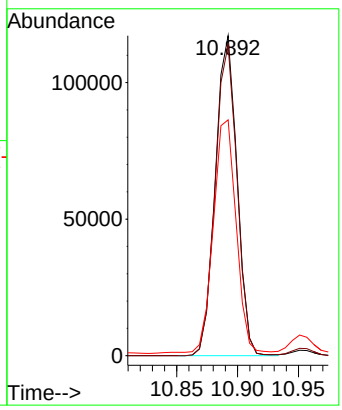


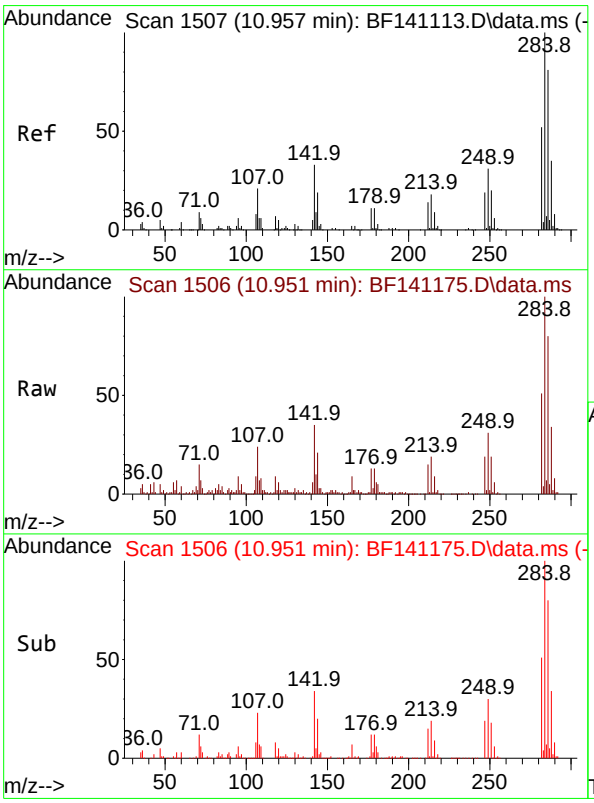

#67
4-Bromophenyl-phenylether
Concen: 36.228 ng
RT: 10.892 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:248 Resp: 145801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.1 | 77.9 | 116.9 |
| 141 | 73.7 | 59.9 | 89.9 |

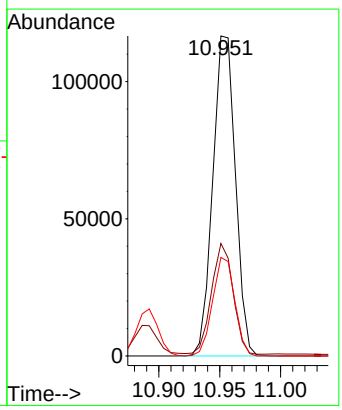


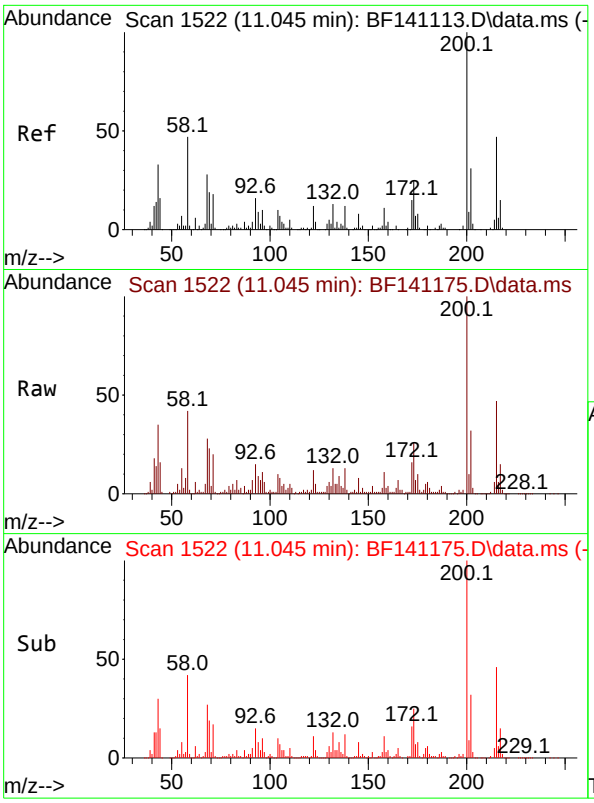




#68
Hexachlorobenzene
Concen: 33.684 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:284 Resp: 150906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 35.2 | 26.3 | 39.5 |
| 249 | 30.8 | 24.9 | 37.3 |





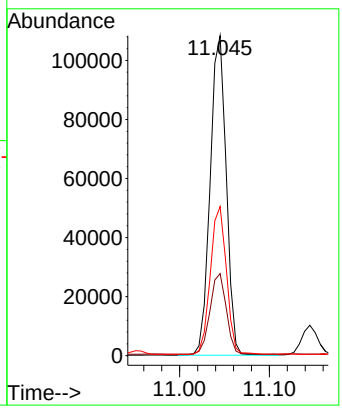

#69
Atrazine
Concen: 44.306 ng
RT: 11.045 min Scan# 1

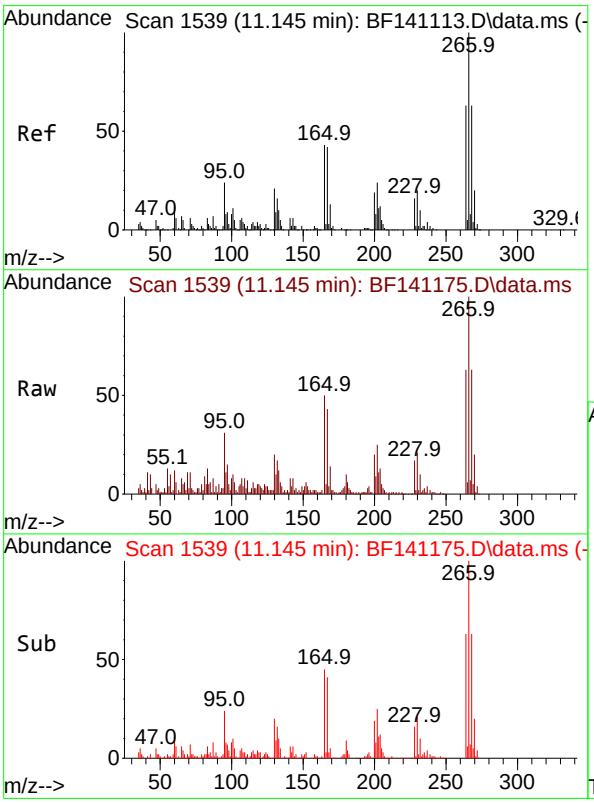
**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Delta R.T. 0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:200 Resp: 134509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.6 | 5.4 | 45.4 |
| 215 | 46.6 | 26.6 | 66.6 |

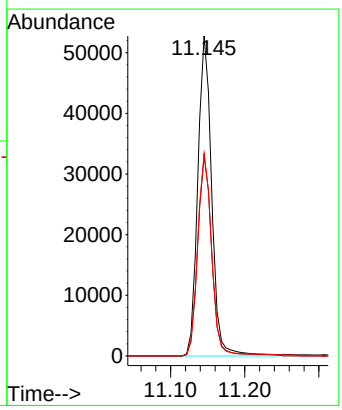


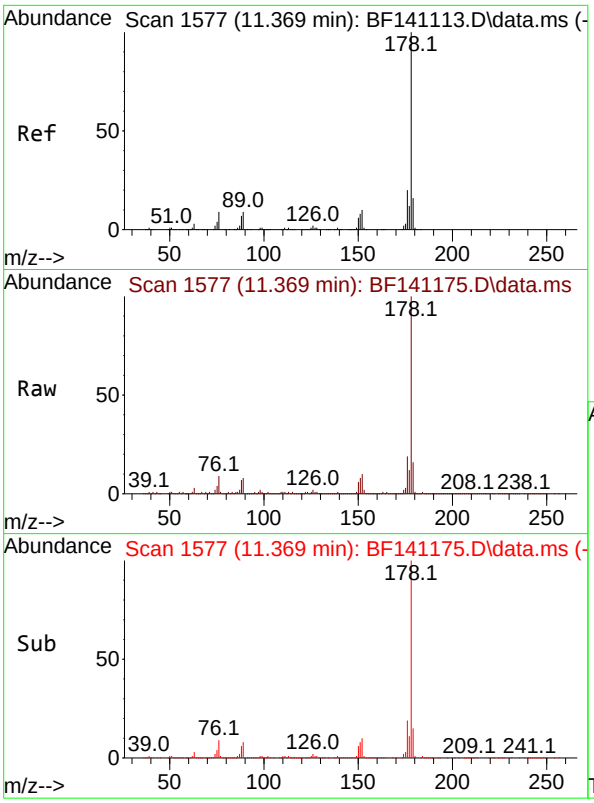




#70
Pentachlorophenol
Concen: 23.886 ng
RT: 11.145 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:266 Resp: 68531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.5 | 50.4 | 75.6 |
| 264 | 63.3 | 50.2 | 75.2 |



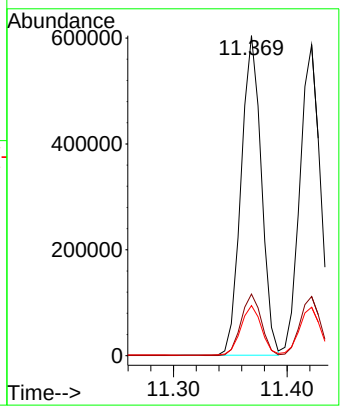


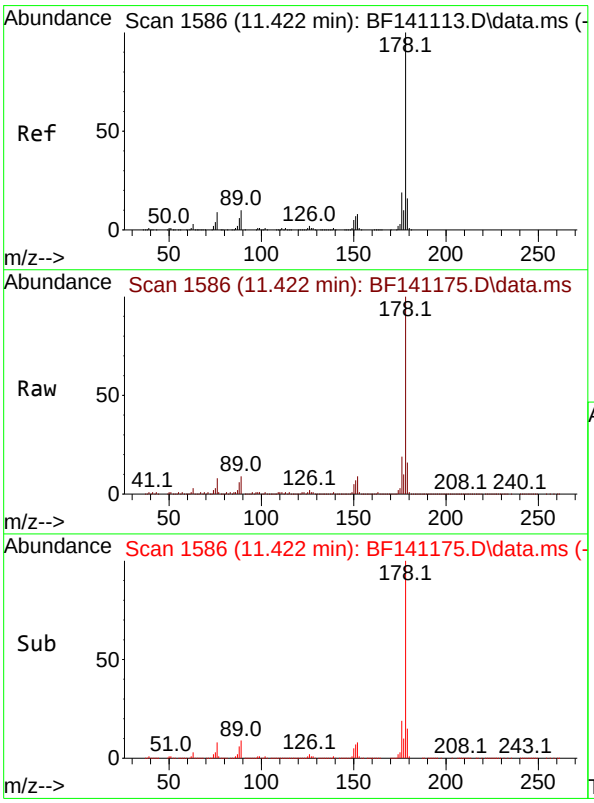

#71
Phenanthrene
Concen: 39.764 ng
RT: 11.369 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:178 Resp: 746258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.7 | 23.5 |
| 179 | 15.7 | 12.6 | 19.0 |

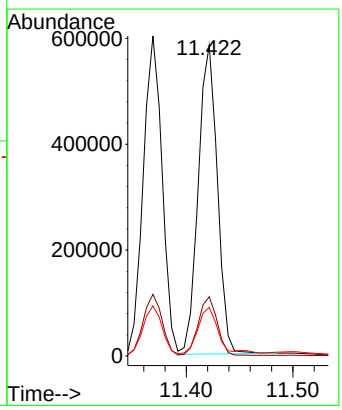


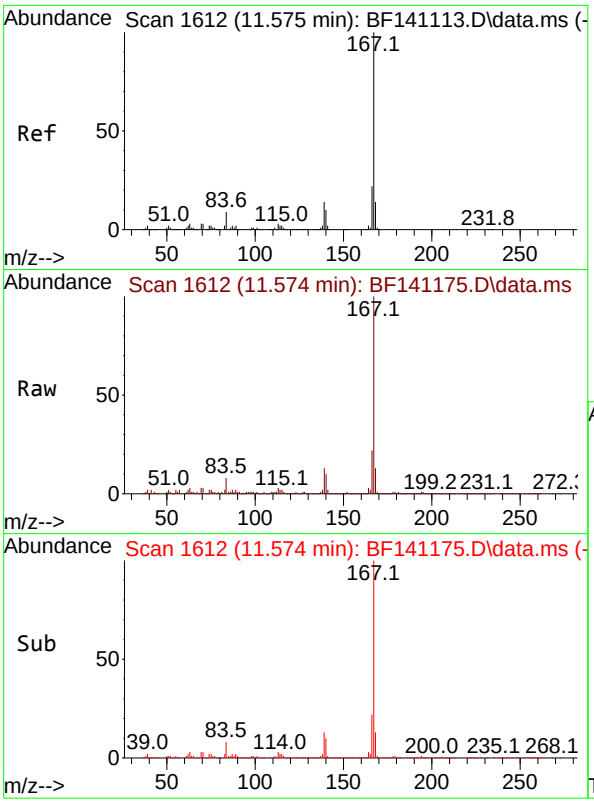




#72
Anthracene
Concen: 39.875 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:178 Resp: 727636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 14.9 | 22.3 |
| 179 | 15.6 | 12.6 | 19.0 |



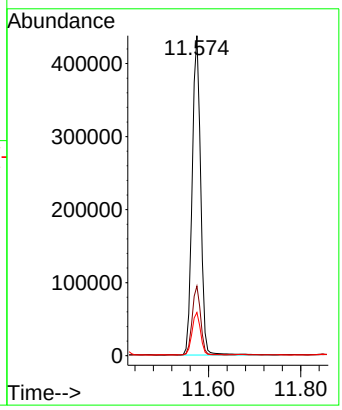


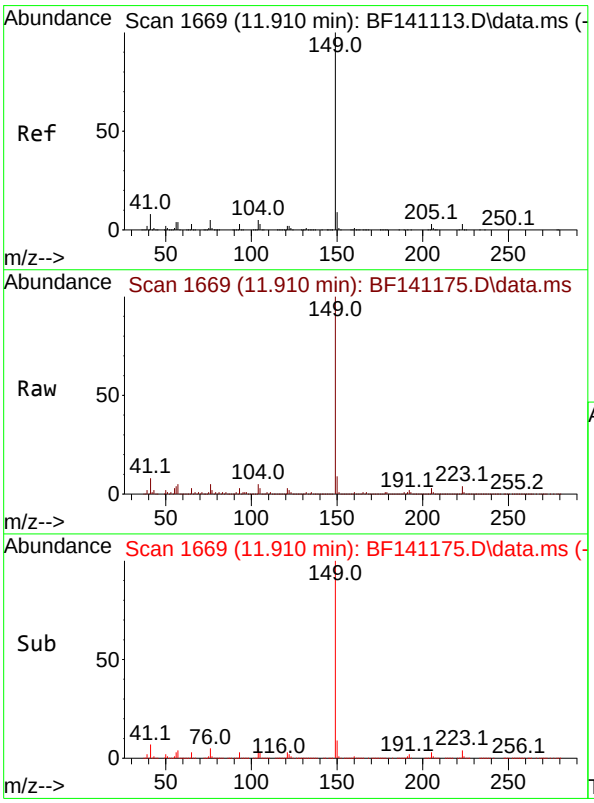

#73
Carbazole
Concen: 33.223 ng
RT: 11.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:167 Resp: 555900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.7 | 17.4 | 26.2 |
| 139 | 13.5 | 10.9 | 16.3 |

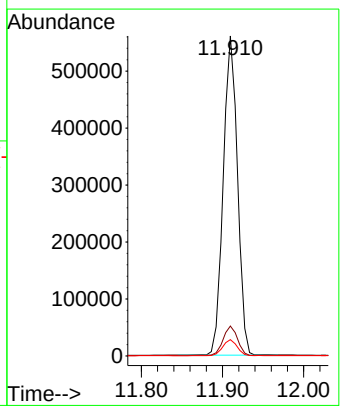


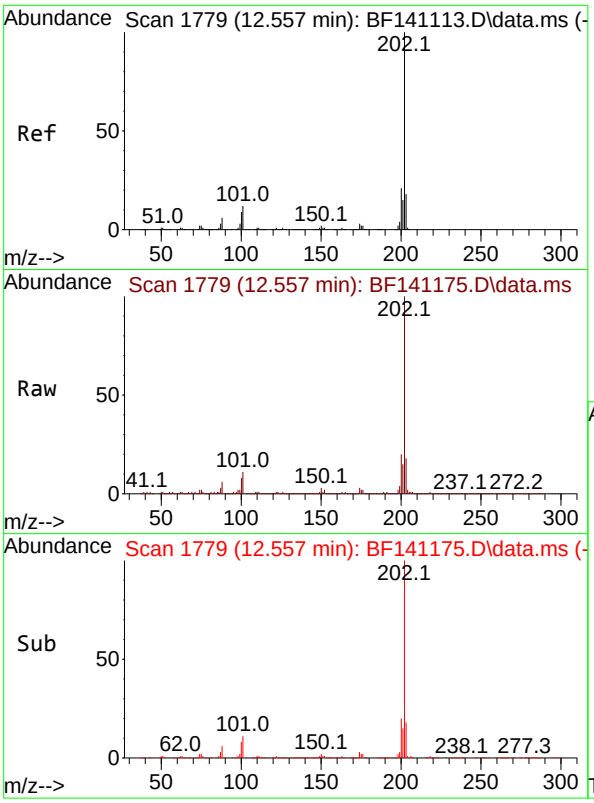




#74
Di-n-butylphthalate
Concen: 35.764 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:149 Resp: 684830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.4 | 11.2 |
| 104 | 5.1 | 4.2 | 6.2 |



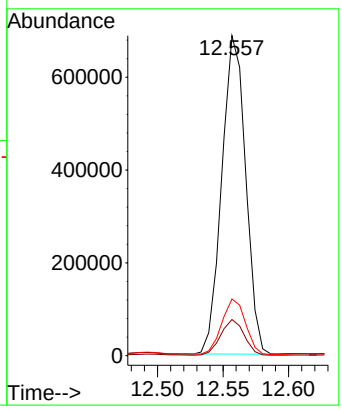


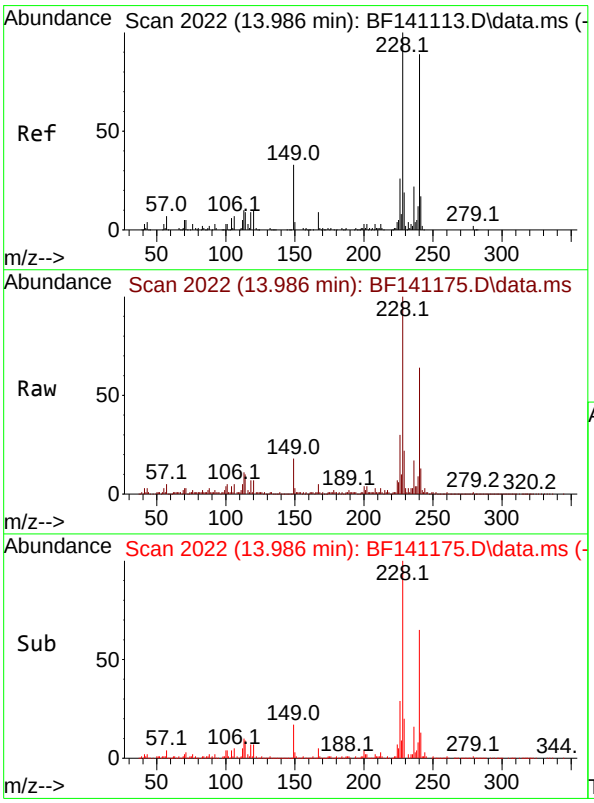

#75
Fluoranthene
Concen: 46.347 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:202 Resp: 867978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.3 | 0.0 | 32.3 |
| 203 | 17.7 | 0.0 | 37.7 |

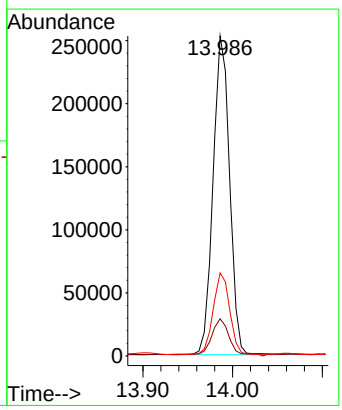


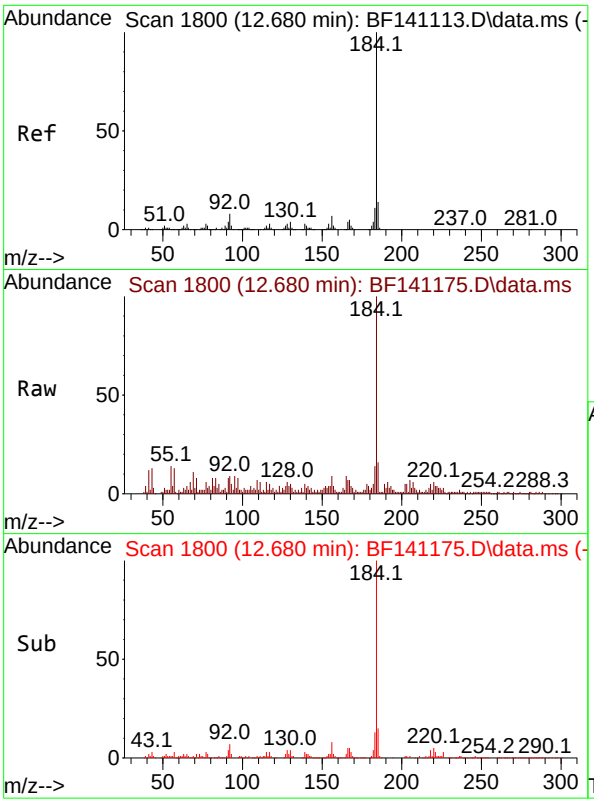




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:240 Resp: 322664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.6 | 9.1 | 13.7 |
| 236 | 25.9 | 19.8 | 29.6 |



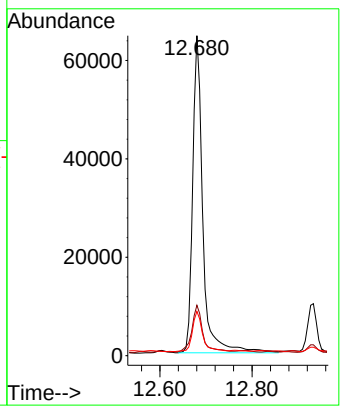


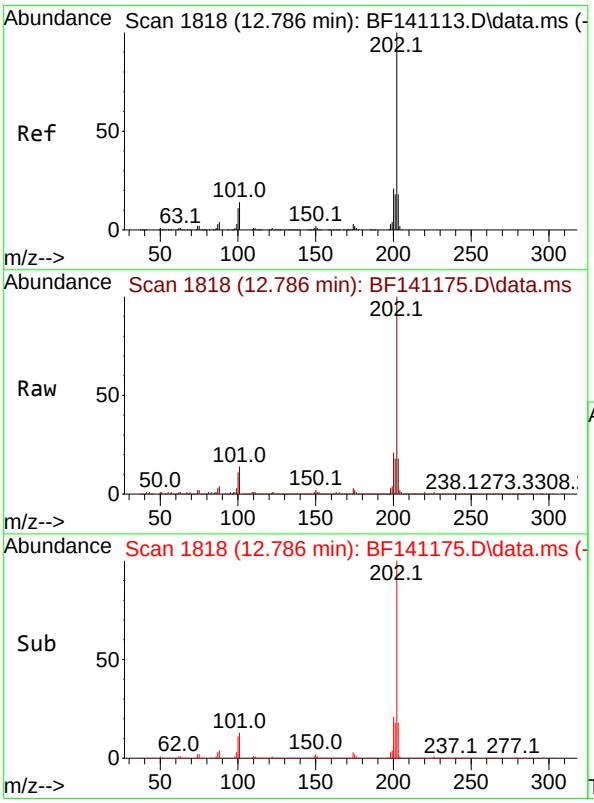

#77
Benzidine
Concen: 16.445 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:184 Resp: 98399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.7 | 11.4 | 17.0 |
| 183 | 13.8 | 9.2 | 13.8# |

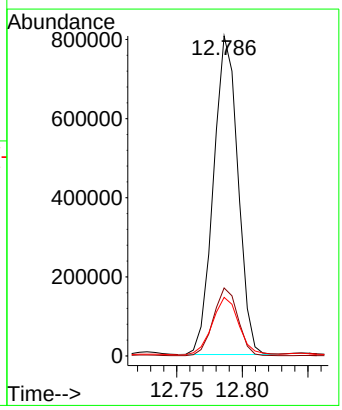


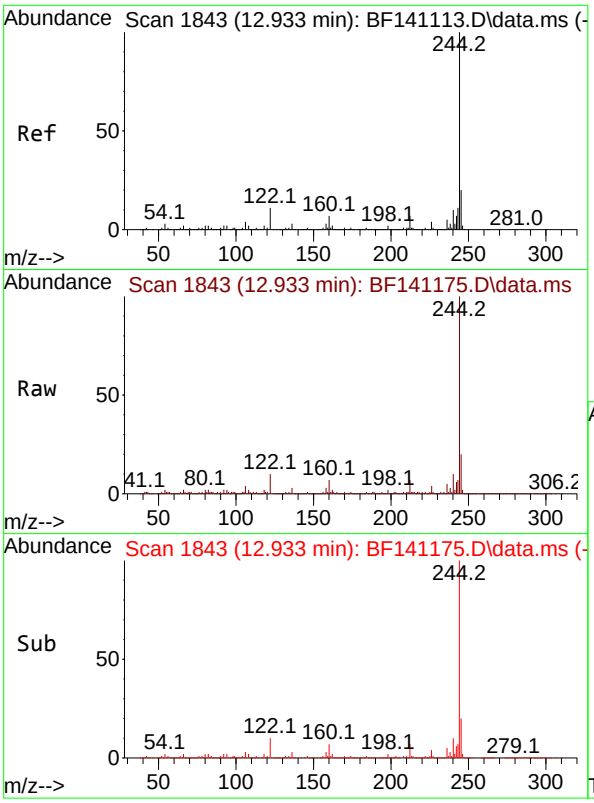




#78
Pyrene
Concen: 33.875 ng
RT: 12.786 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:202 Resp: 1043972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 16.8 | 25.2 |
| 203 | 18.3 | 14.3 | 21.5 |



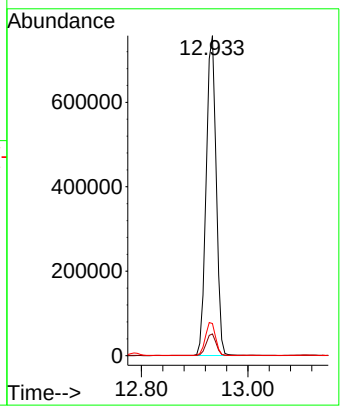


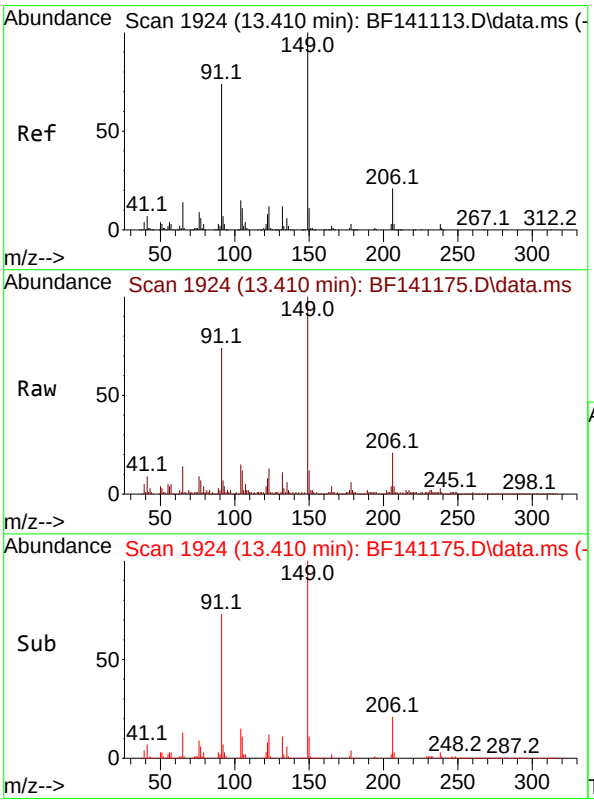

#79
Terphenyl-d14
Concen: 45.364 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:244 Resp: 984818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.4 | 8.2 |
| 122 | 10.0 | 8.8 | 13.2 |

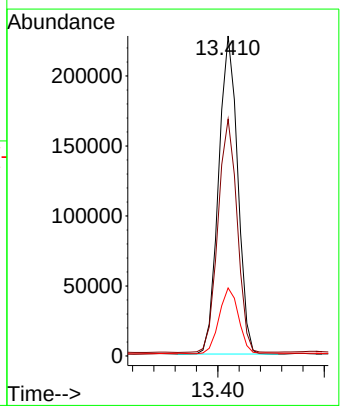


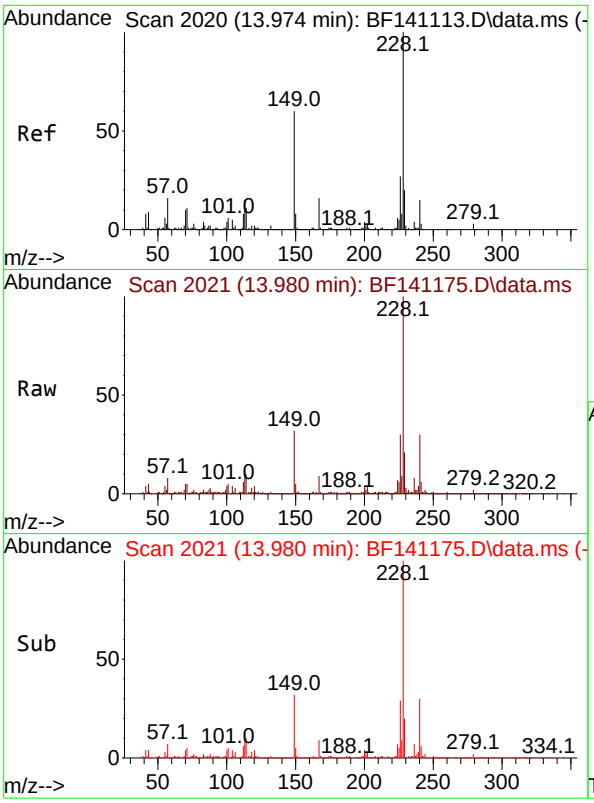




#80
Butylbenzylphthalate
Concen: 27.525 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:149 Resp: 282822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 74.0 | 59.0 | 88.6 |
| 206 | 21.2 | 16.5 | 24.7 |



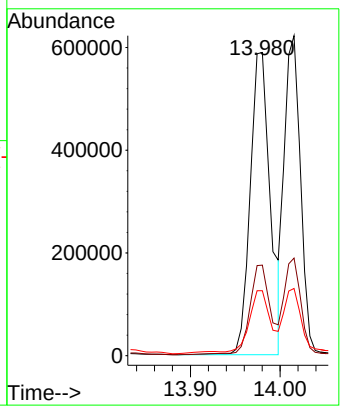


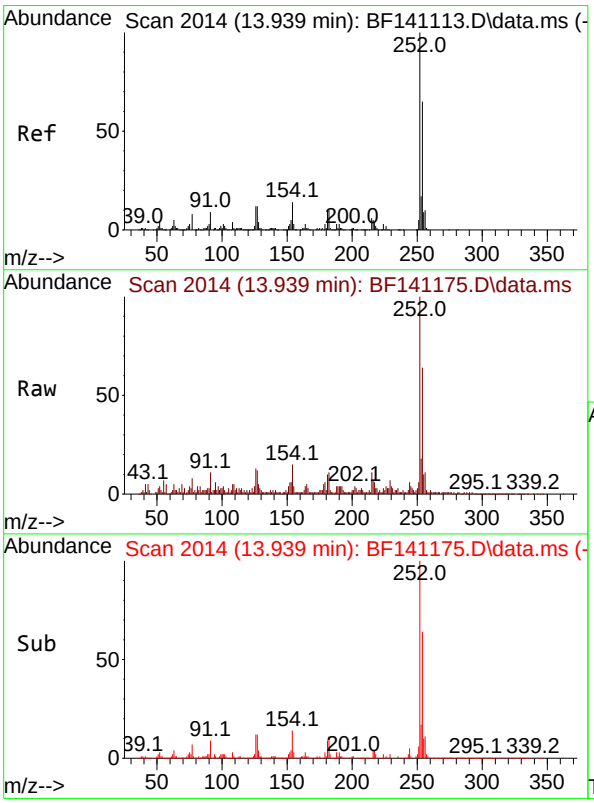

#81
Benzo(a)anthracene
Concen: 41.633 ng
RT: 13.980 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:228 Resp: 914236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 21.7 | 32.5 |
| 229 | 21.4 | 15.7 | 23.5 |

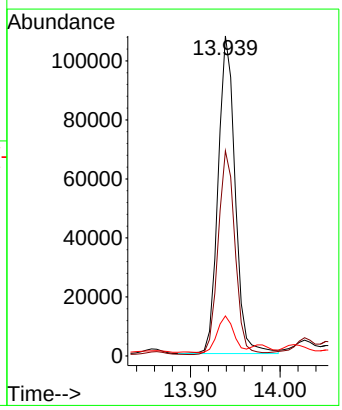


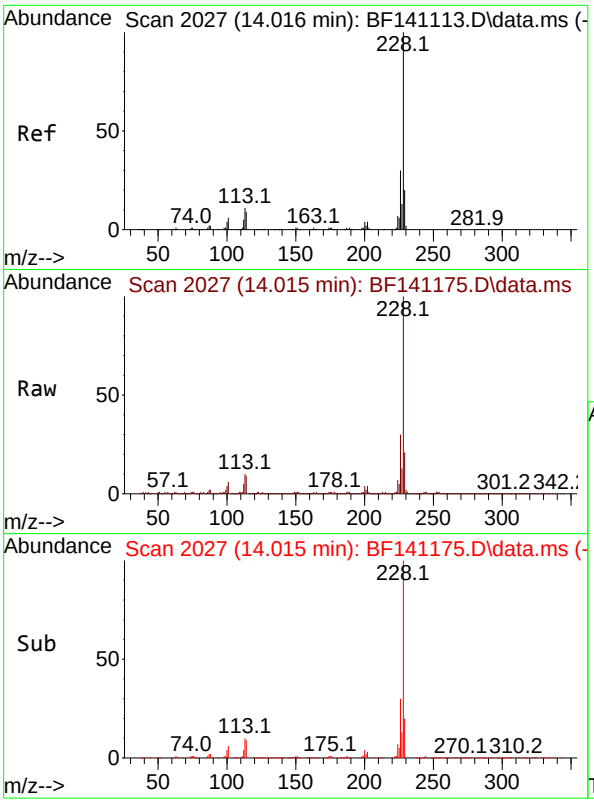




#82
3,3'-Dichlorobenzidine
Concen: 20.276 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:252 Resp: 141773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.1 | 52.0 | 78.0 |
| 126 | 12.5 | 9.4 | 14.0 |



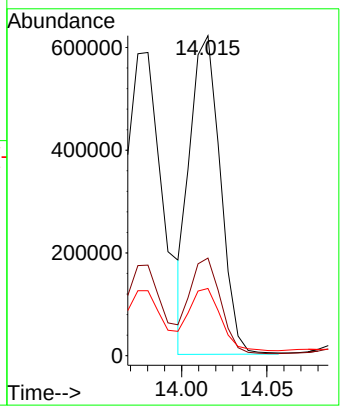


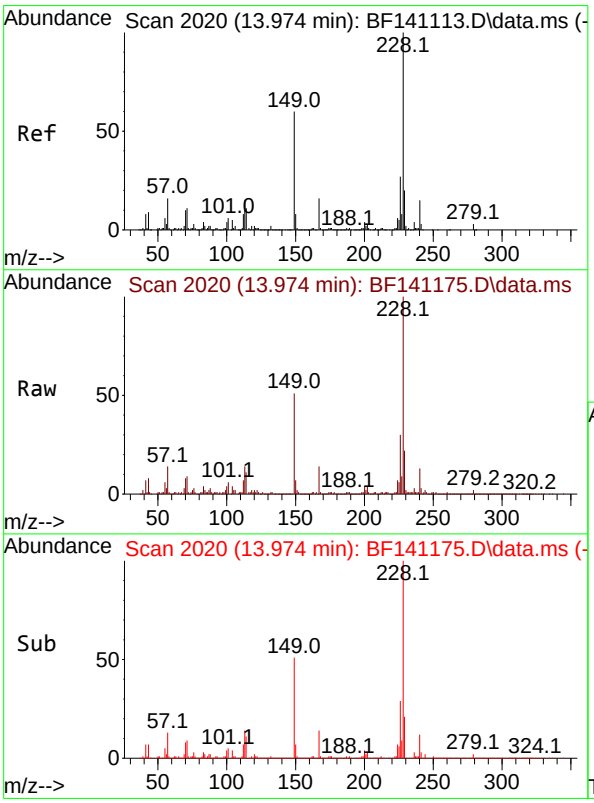

#83
Chrysene
Concen: 37.566 ng
RT: 14.015 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:228 Resp: 771864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 23.8 | 35.8 |
| 229 | 21.0 | 15.8 | 23.8 |

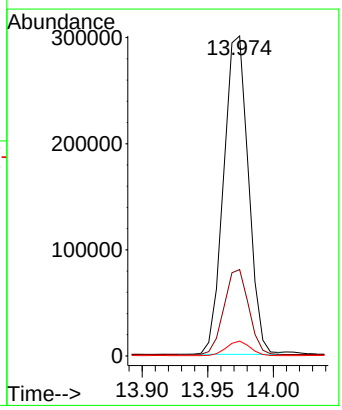


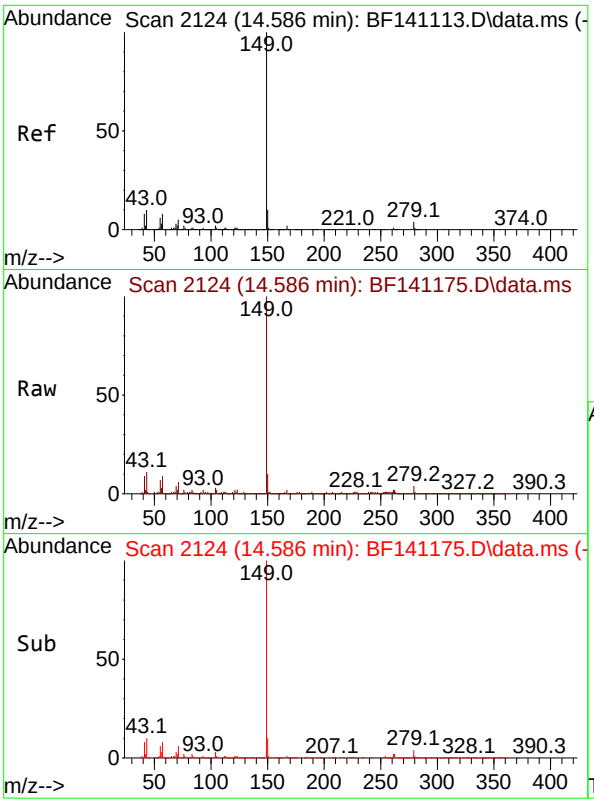




#84
Bis(2-ethylhexyl)phthalate
Concen: 31.980 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:149 Resp: 394268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.0 | 21.4 | 32.2 |
| 279 | 4.6 | 3.4 | 5.2 |



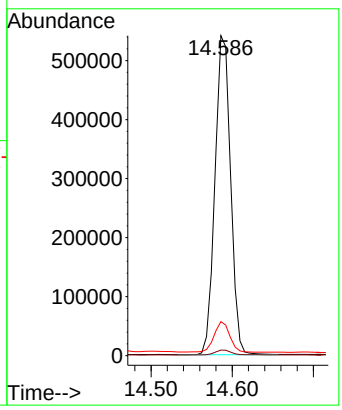


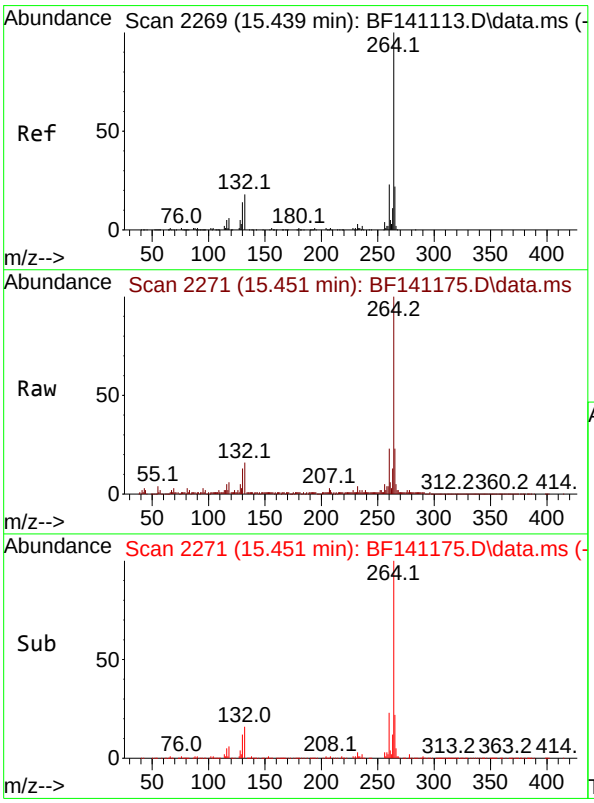

#85
Di-n-octyl phthalate
Concen: 38.895 ng
RT: 14.586 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:149 Resp: 724119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.6 | 8.4 | 12.6 |

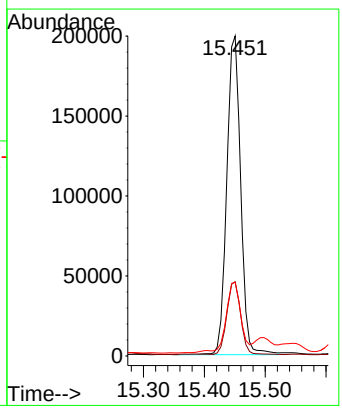


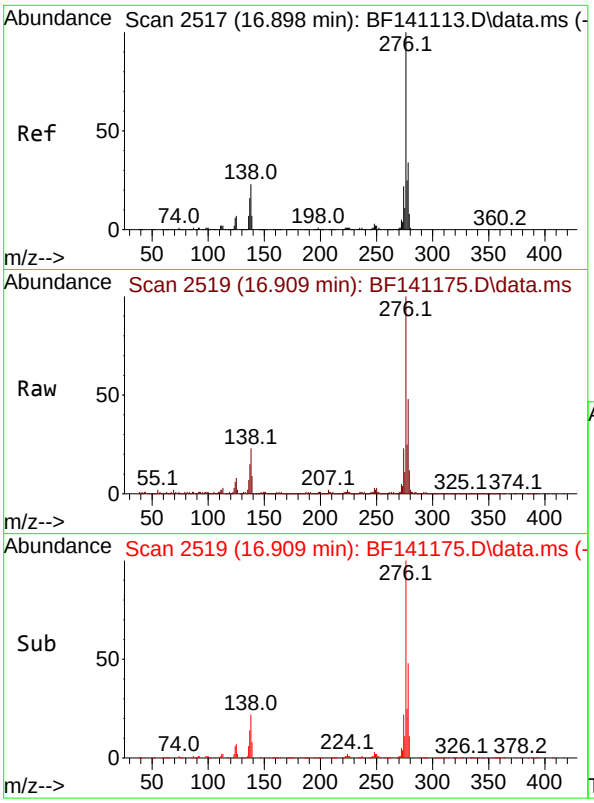




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:264 Resp: 314686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.6 | 28.0 |
| 265 | 23.0 | 17.4 | 26.0 |



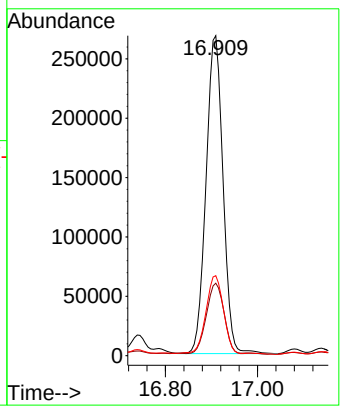


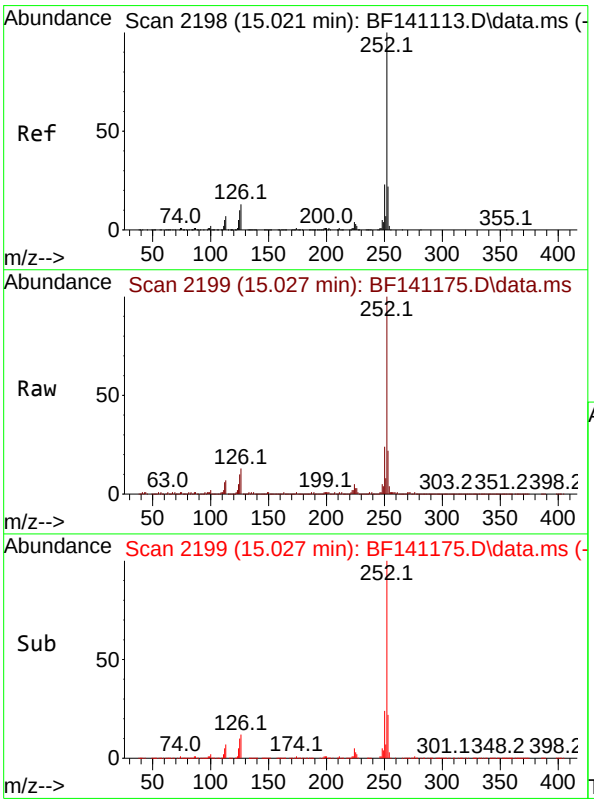

#87
Indeno(1,2,3-cd)pyrene
Concen: 29.752 ng
RT: 16.909 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:276 Resp: 685937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.9 | 20.7 | 31.1 |
| 277 | 25.1 | 20.6 | 30.8 |

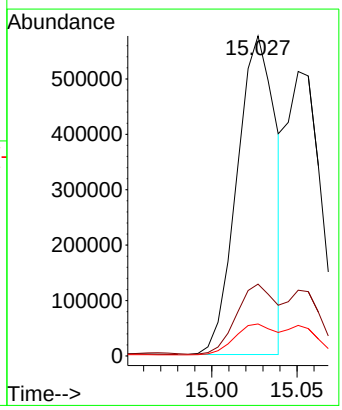


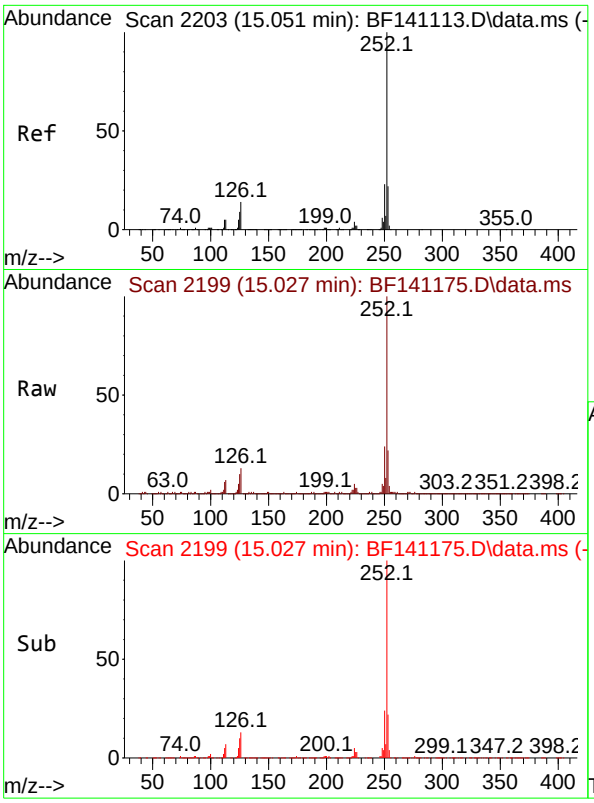




#88
Benzo(b)fluoranthene
Concen: 44.658 ng
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:252 Resp: 906206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.8 | 26.6 |
| 125 | 10.0 | 8.1 | 12.1 |



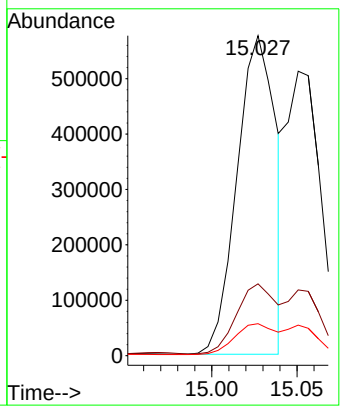


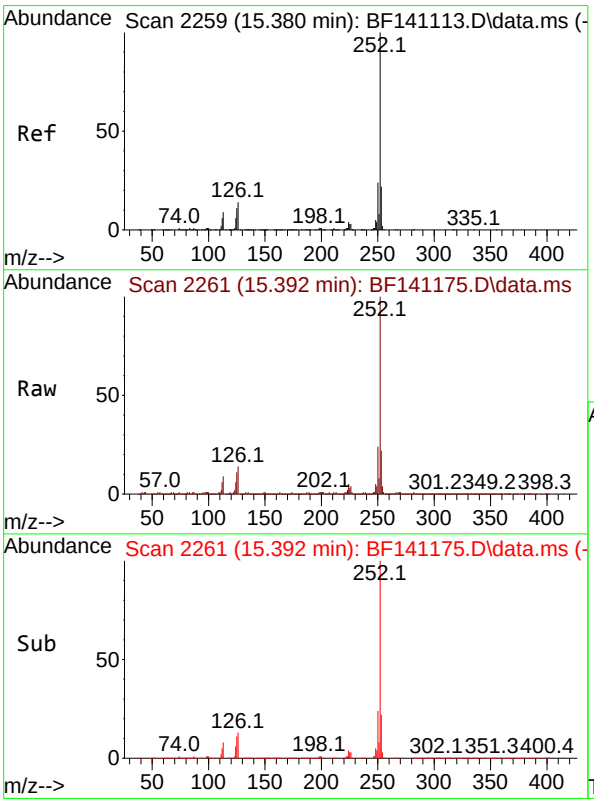

#89
Benzo(k)fluoranthene
Concen: 52.845 ng
RT: 15.027 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:252 Resp: 906206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.8 | 26.8 |
| 125 | 10.0 | 7.9 | 11.9 |

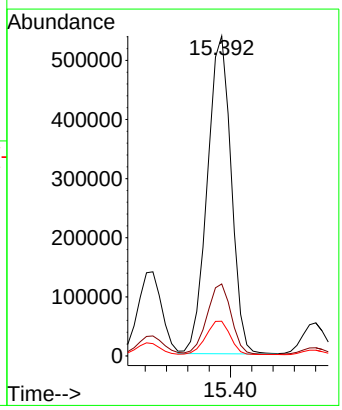


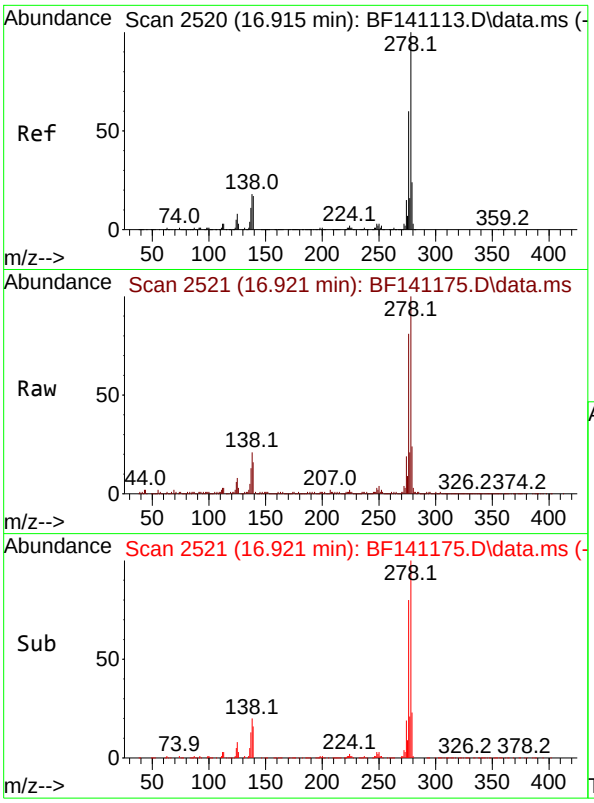




#90
Benzo(a)pyrene
Concen: 49.865 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.012 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:252 Resp: 834847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.7 | 26.5 |
| 125 | 10.8 | 9.1 | 13.7 |



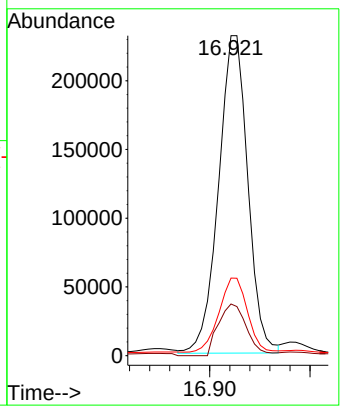


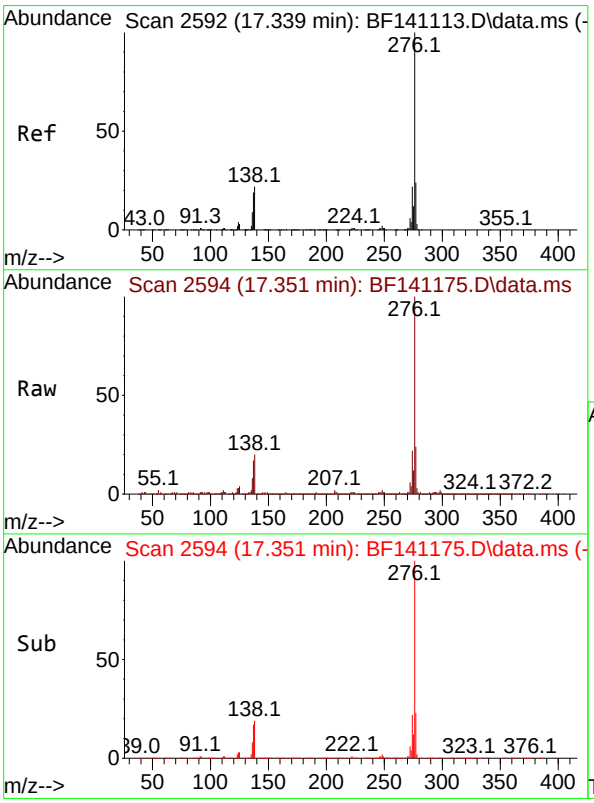

#91
Dibenzo(a,h)anthracene
Concen: 25.100 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MS

Tgt Ion:278 Resp: 468043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.1 | 13.8 | 20.6 |
| 279 | 24.2 | 19.1 | 28.7 |

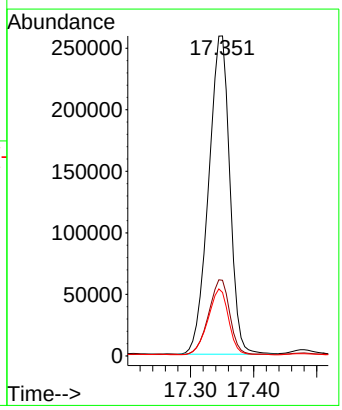



#92
Benzo(g,h,i)perylene
Concen: 31.124 ng
RT: 17.351 min Scan# 2594
Delta R.T. 0.012 min
Lab File: BF141175.D
Acq: 15 Jan 2025 15:05

Tgt Ion:276 Resp: 603676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 19.0 | 28.4 |
| 138 | 19.8 | 17.4 | 26.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141176.D
Acq On : 15 Jan 2025 16:40
Operator : RC/JU
Sample : Q1068-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Quant Time: Jan 15 17:10:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 143081 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 569188 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.863 | 164 | 294771 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.345 | 188 | 427420 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.992 | 240 | 307236 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.468 | 264 | 256318 | 20.000 | ng | | 0.03 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 687064 | 74.180 | ng | | 0.00 |
| 7) Phenol-d6 | 6.445 | 99 | 1035177 | 88.232 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.381 | 82 | 666857 | 62.104 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.645 | 330 | 124689 | 37.124 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.181 | 172 | 1207713 | 62.565 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 1080678 | 52.280 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.575 | 88 | 99902 | 24.221 | ng | | 99 |
| 3) Pyridine | 3.316 | 79 | 249451 | 24.663 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.257 | 42 | 144877 | 29.295 | ng | | 98 |
| 6) Aniline | 6.481 | 93 | 163222 | 15.670 | ng | | 97 |
| 8) 2-Chlorophenol | 6.604 | 128 | 300320 | 30.222 | ng | | 96 |
| 9) Benzaldehyde | 6.369 | 77 | 40776 | 5.901 | ng | | 94 |
| 10) Phenol | 6.463 | 94 | 396493 | 31.570 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.557 | 93 | 295551 | 31.577 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.763 | 146 | 316476 | 28.555 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.840 | 146 | 323869 | 28.999 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.992 | 146 | 315295 | 30.265 | ng | | 97 |
| 15) Benzyl Alcohol | 6.957 | 79 | 280336 | 33.086 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.092 | 45 | 390750 | 29.918 | ng | | 97 |
| 17) 2-Methylphenol | 7.069 | 107 | 253262 | 31.569 | ng | | 99 |
| 18) Hexachloroethane | 7.334 | 117 | 116502 | 28.846 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.234 | 70 | 214591 | 31.050 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.222 | 107 | 324187 | 32.030 | ng | # | 87 |
| 22) Acetophenone | 7.228 | 105 | 420478 | 31.075 | ng | | 97 |
| 24) Nitrobenzene | 7.404 | 77 | 325628 | 29.097 | ng | | 97 |
| 25) Isophorone | 7.639 | 82 | 583759 | 31.812 | ng | | 99 |
| 26) 2-Nitrophenol | 7.716 | 139 | 127008 | 24.949 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.757 | 122 | 250815 | 36.528 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.851 | 93 | 356419 | 30.949 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.957 | 162 | 236851 | 29.043 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 268865 | 28.843 | ng | | 100 |
| 31) Naphthalene | 8.128 | 128 | 948739 | 31.607 | ng | | 100 |
| 33) 4-Chloroaniline | 8.175 | 127 | 134518 | 12.958 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 159147 | 28.334 | ng | | 99 |
| 35) Caprolactam | 8.522 | 113 | 81493 | 30.523 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.651 | 107 | 284843 | 31.937 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 614978 | 32.151 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 571584 | 30.321 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.981 | 216 | 274538 | 32.449 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 121583 | 43.925 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 101888 | 17.856 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.133 | 196 | 137849 | 22.875 | ng | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141176.D
Acq On : 15 Jan 2025 16:40
Operator : RC/JU
Sample : Q1068-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Quant Time: Jan 15 17:10:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 9.281 | 154 | 744386 | 32.517 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.304 | 162 | 549279 | 30.807 | ng | | 99 |
| 48) 2-Nitroaniline | 9.398 | 65 | 173916 | 32.905 | ng | | 98 |
| 49) Acenaphthylene | 9.722 | 152 | 977297 | 38.365 | ng | | 99 |
| 50) Dimethylphthalate | 9.581 | 163 | 646040 | 32.646 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.645 | 165 | 141448 | 30.737 | ng | | 98 |
| 52) Acenaphthene | 9.892 | 154 | 549398 | 30.870 | ng | | 99 |
| 53) 3-Nitroaniline | 9.810 | 138 | 118024 | 25.238 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 9.916 | 184 | 5836 | 2.668 | ng | # | 1 |
| 55) Dibenzofuran | 10.063 | 168 | 772302 | 31.903 | ng | | 99 |
| 56) 4-Nitrophenol | 9.963 | 139 | 89059 | 24.317 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 10.045 | 165 | 186784 | 31.495 | ng | | 99 |
| 58) Fluorene | 10.410 | 166 | 609361 | 32.401 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.181 | 232 | 66467 | 13.269 | ng | | 99 |
| 60) Diethylphthalate | 10.280 | 149 | 620252 | 32.105 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204 | 289829 | 31.619 | ng | | 98 |
| 62) 4-Nitroaniline | 10.416 | 138 | 128687 | 28.115 | ng | | 98 |
| 63) Azobenzene | 10.563 | 77 | 634488 | 33.284 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylph... | 10.451 | 198 | 11195 | 4.520 | ng | | 83 |
| 66) n-Nitrosodiphenylamine | 10.516 | 169 | 522412 | 37.894 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 173354 | 35.228 | ng | | 97 |
| 68) Hexachlorobenzene | 10.957 | 284 | 184199 | 33.626 | ng | | 99 |
| 69) Atrazine | 11.045 | 200 | 166855 | 44.950 | ng | | 99 |
| 70) Pentachlorophenol | 11.151 | 266 | 80199 | 22.862 | ng | | 97 |
| 71) Phenanthrene | 11.369 | 178 | 928440 | 40.461 | ng | | 99 |
| 72) Anthracene | 11.422 | 178 | 906732 | 40.638 | ng | | 100 |
| 73) Carbazole | 11.575 | 167 | 673943 | 32.941 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 828354 | 35.379 | ng | | 100 |
| 75) Fluoranthene | 12.563 | 202 | 966493 | 42.207 | ng | | 99 |
| 77) Benzidine | 12.680 | 184 | 84383 | 14.811 | ng | # | 94 |
| 78) Pyrene | 12.792 | 202 | 1159012 | 39.496 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 305345 | 31.209 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.980 | 228 | 820834 | 39.257 | ng | | 95 |
| 82) 3,3'-Dichlorobenzidine | 13.945 | 252 | 137413 | 20.639 | ng | | 98 |
| 83) Chrysene | 14.021 | 228 | 795763 | 40.674 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149 | 407859 | 34.743 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.604 | 149 | 663939 | 37.454 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.927 | 276 | 619424 | 32.986 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 15.045 | 252 | 796990 | 48.220 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.045 | 252 | 796990 | 57.059 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.404 | 252 | 714424 | 52.390 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 16.945 | 278 | 422648 | 27.827 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.368 | 276 | 551001 | 34.878 | ng | | 99 |

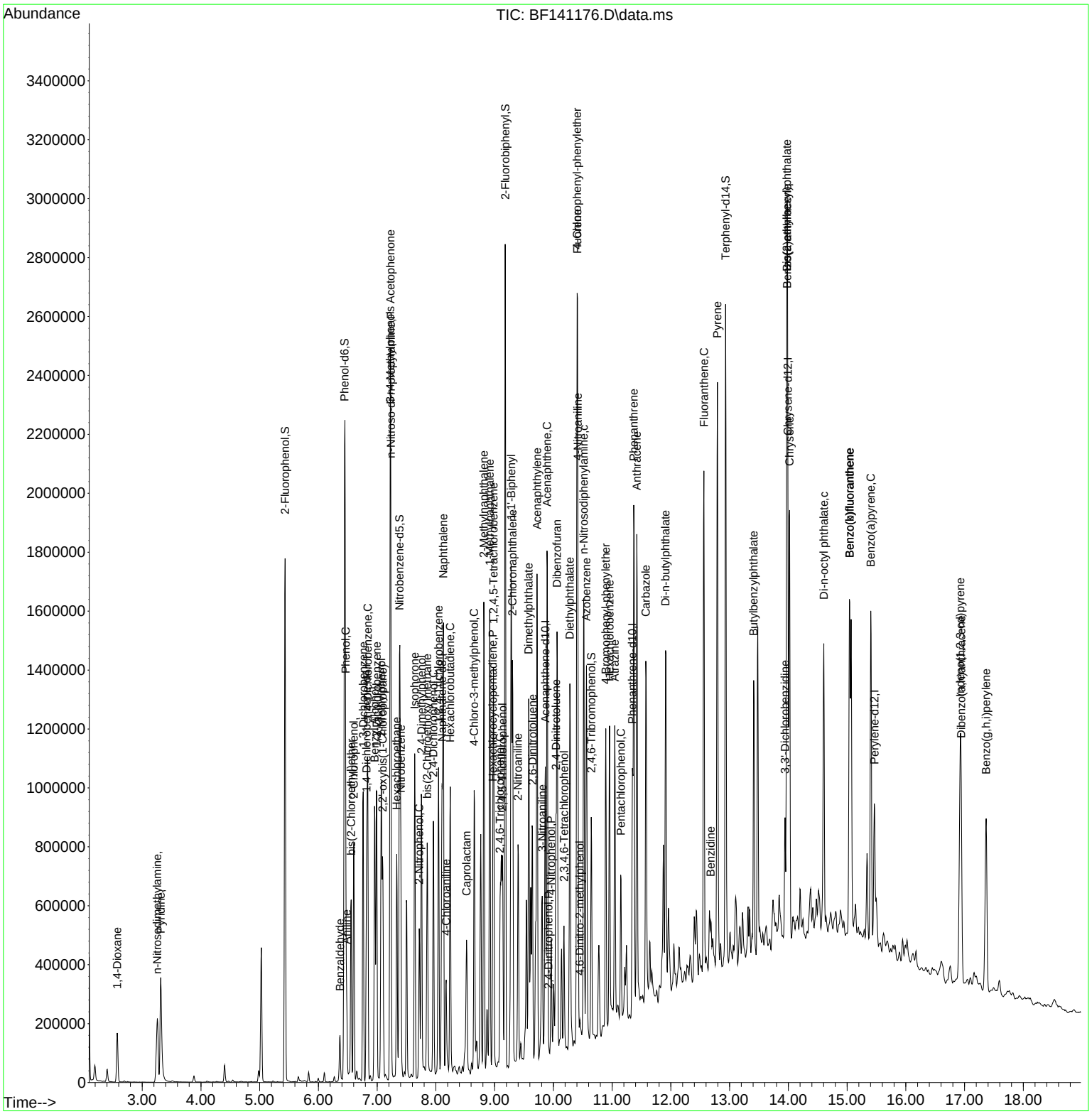
(#) = qualifier out of range (m) = manual integration (+) = signals summed

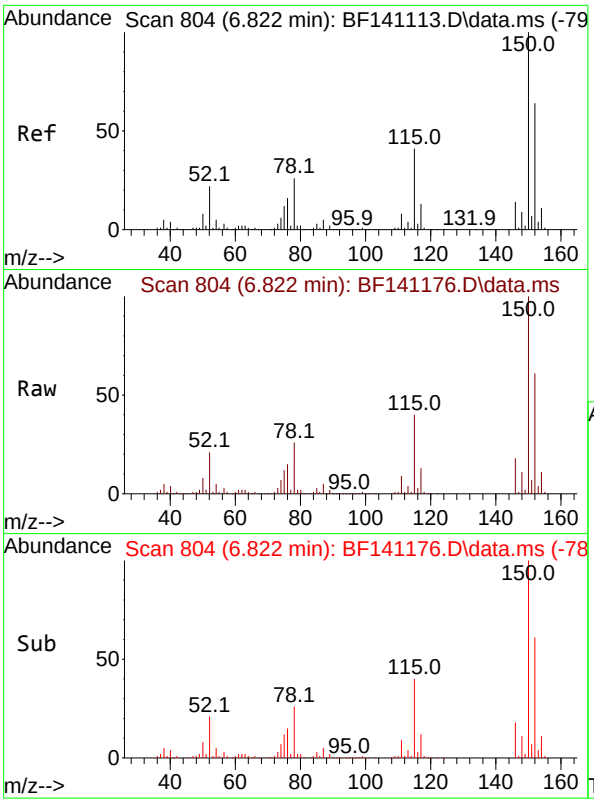
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011525\
Data File : BF141176.D
Acq On : 15 Jan 2025 16:40
Operator : RC/JU
Sample : Q1068-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Quant Time: Jan 15 17:10:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



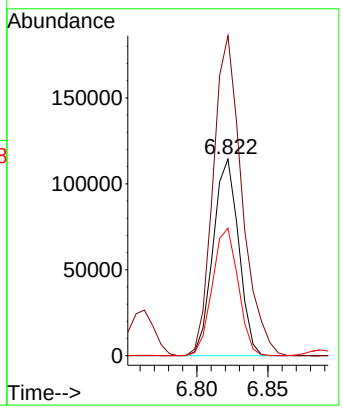


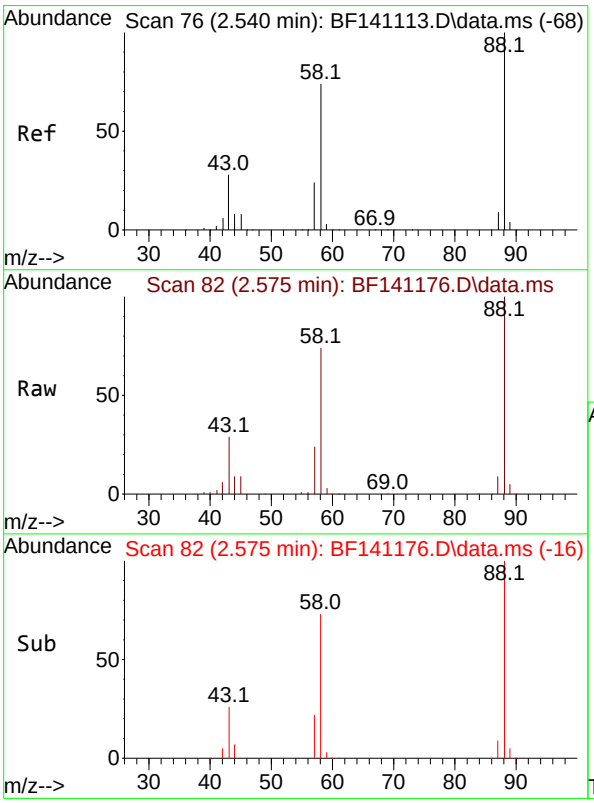

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:152 Resp: 143081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 162.9 | 125.8 | 188.8 |
| 115 | 64.9 | 51.4 | 77.2 |

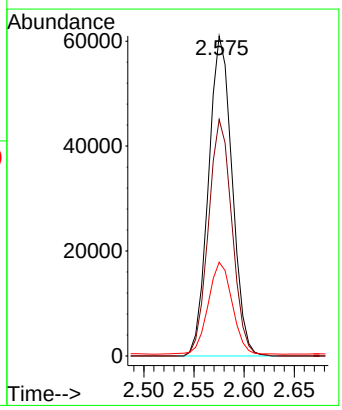


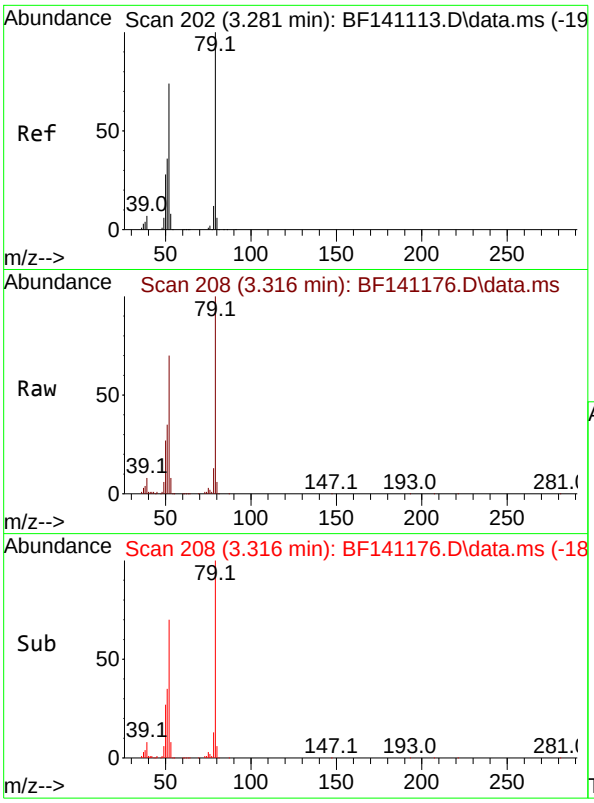




#2
1,4-Dioxane
Concen: 24.221 ng
RT: 2.575 min Scan# 82
Delta R.T. 0.035 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion: 88 Resp: 99902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 73.9 | 60.1 | 90.1 |
| 43 | 29.2 | 23.1 | 34.7 |



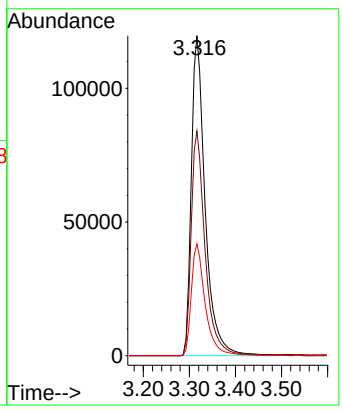


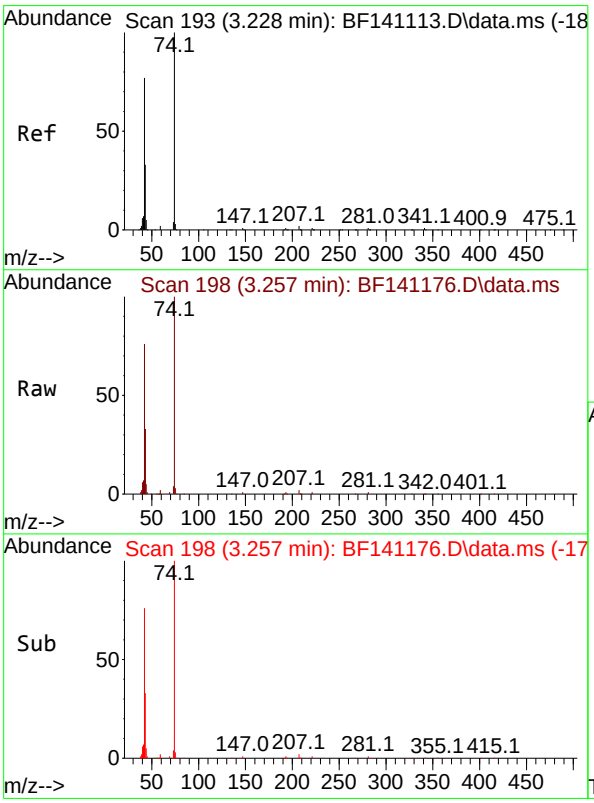

#3
Pyridine
Concen: 24.663 ng
RT: 3.316 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion: 79 Resp: 249451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 70.2 | 58.9 | 88.3 |
| 51 | 35.0 | 29.1 | 43.7 |

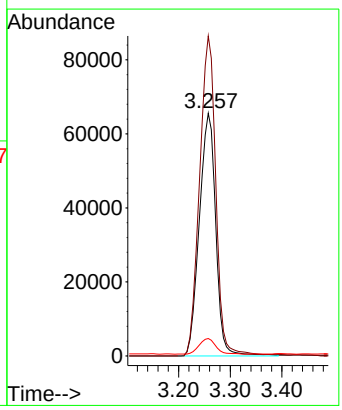


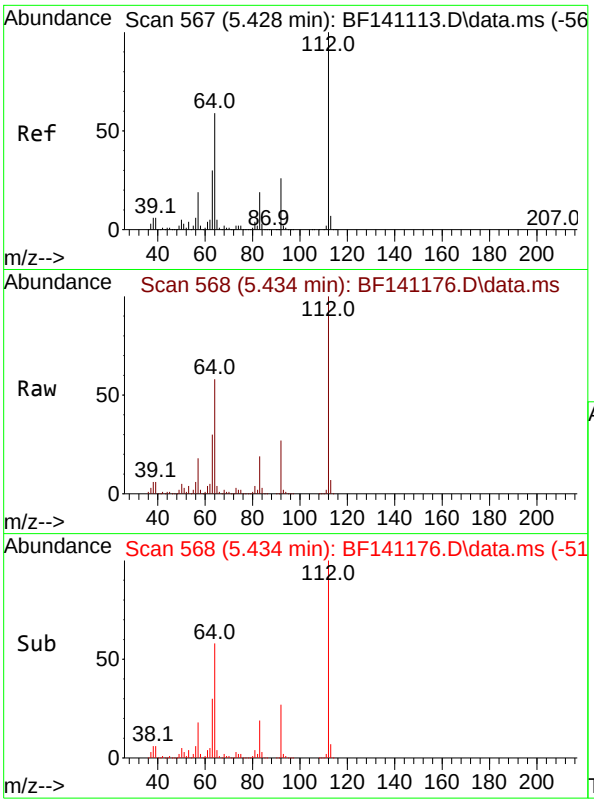




#4
n-Nitrosodimethylamine
Concen: 29.295 ng
RT: 3.257 min Scan# 198
Delta R.T. 0.029 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion: 42 Resp: 144877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 131.8 | 103.8 | 155.6 |
| 44 | 7.2 | 5.3 | 7.9 |



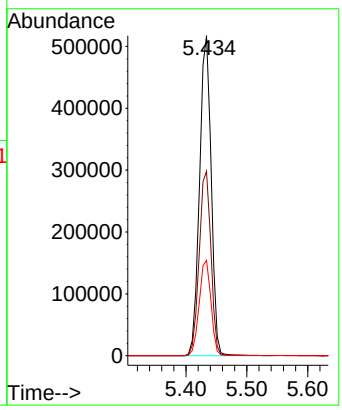


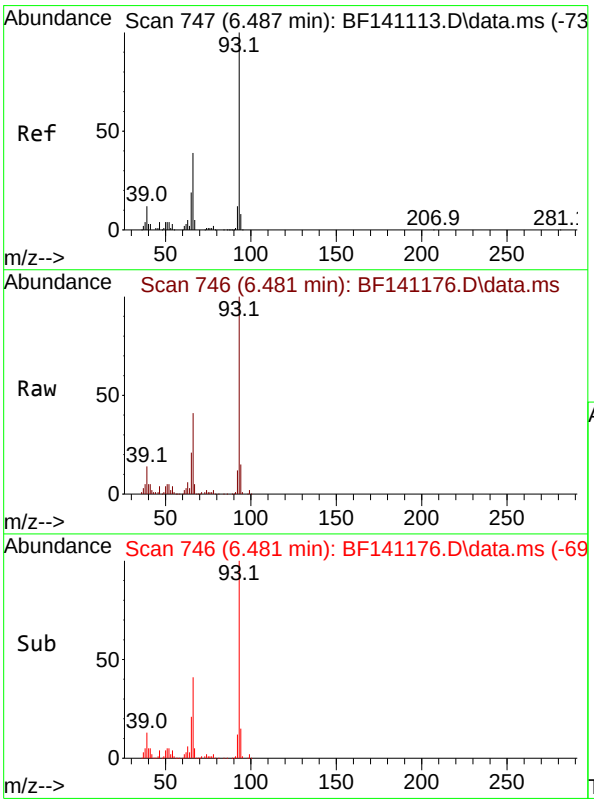

#5
2-Fluorophenol
Concen: 74.180 ng
RT: 5.434 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:112 Resp: 687064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.6 | 47.3 | 70.9 |
| 63 | 29.8 | 24.2 | 36.2 |

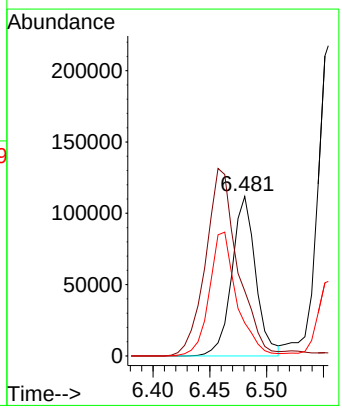


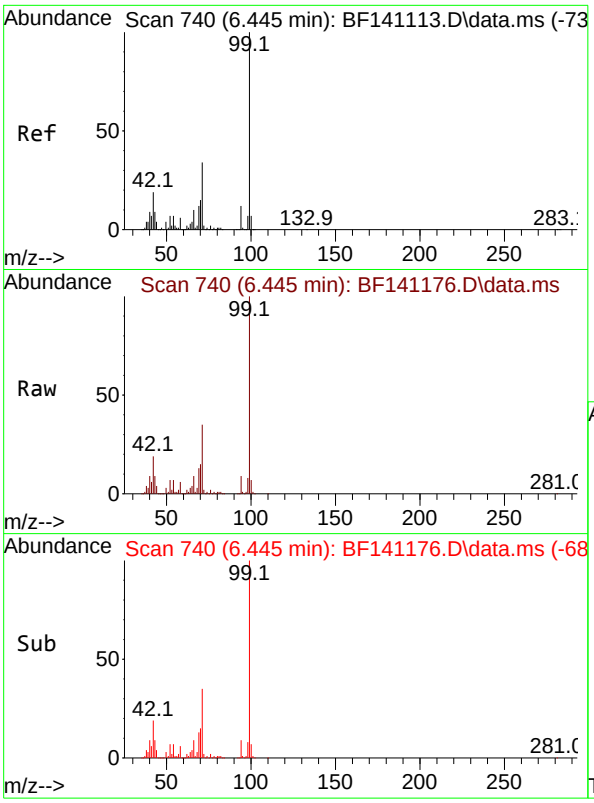




#6
Aniline
Concen: 15.670 ng
RT: 6.481 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion: 93 Resp: 163222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.7 | 31.5 | 47.3 |
| 65 | 20.7 | 15.3 | 22.9 |



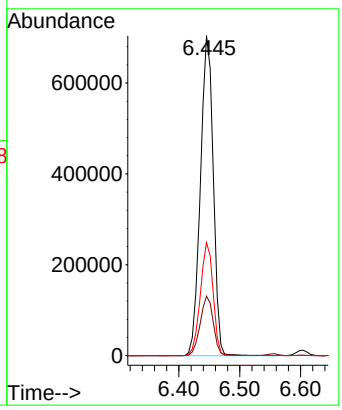


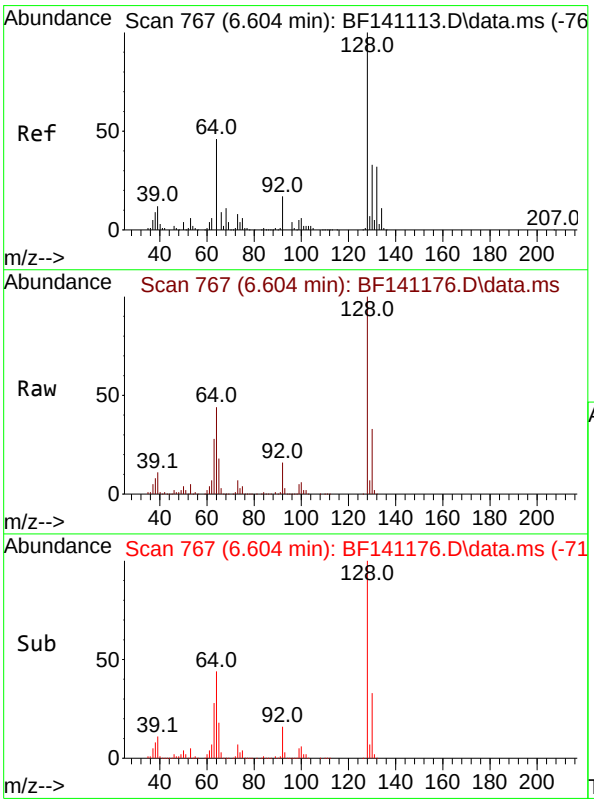

#7
Phenol-d6
Concen: 88.232 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion: 99 Resp: 1035177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.6 | 15.0 | 22.4 |
| 71 | 35.4 | 27.6 | 41.4 |

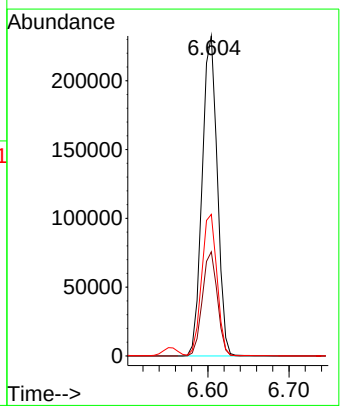


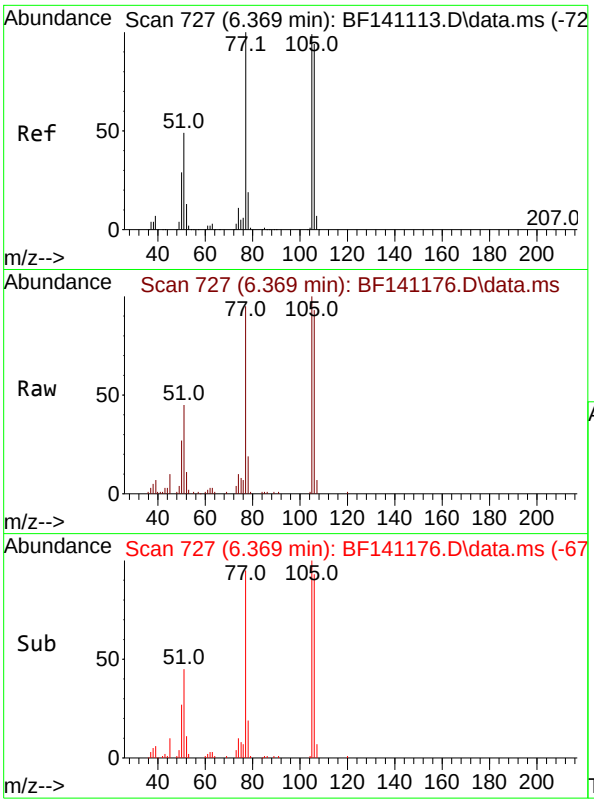




#8
2-Chlorophenol
Concen: 30.222 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:128 Resp: 300320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.6 | 12.5 | 52.5 |
| 64 | 44.2 | 28.3 | 68.3 |



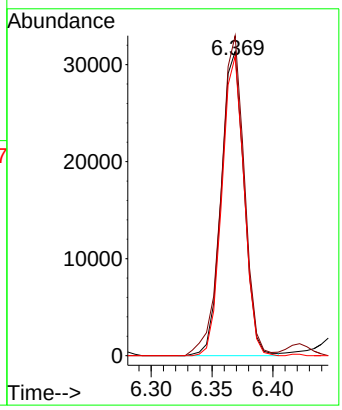


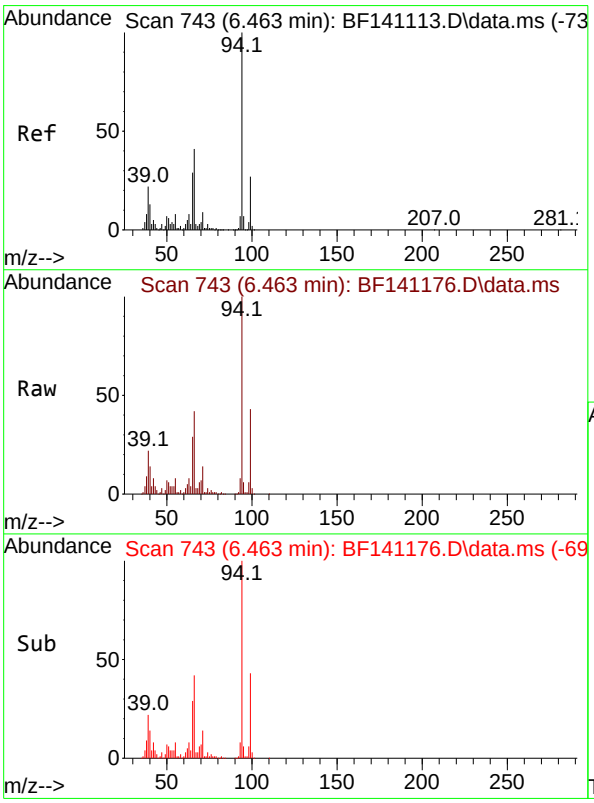

#9
Benzaldehyde
Concen: 5.901 ng
RT: 6.369 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion: 77 Resp: 40776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 105.2 | 78.9 | 118.9 |
| 106 | 98.4 | 73.6 | 113.6 |

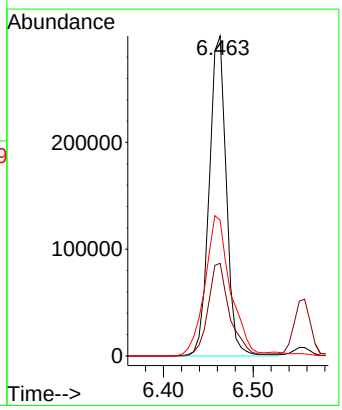


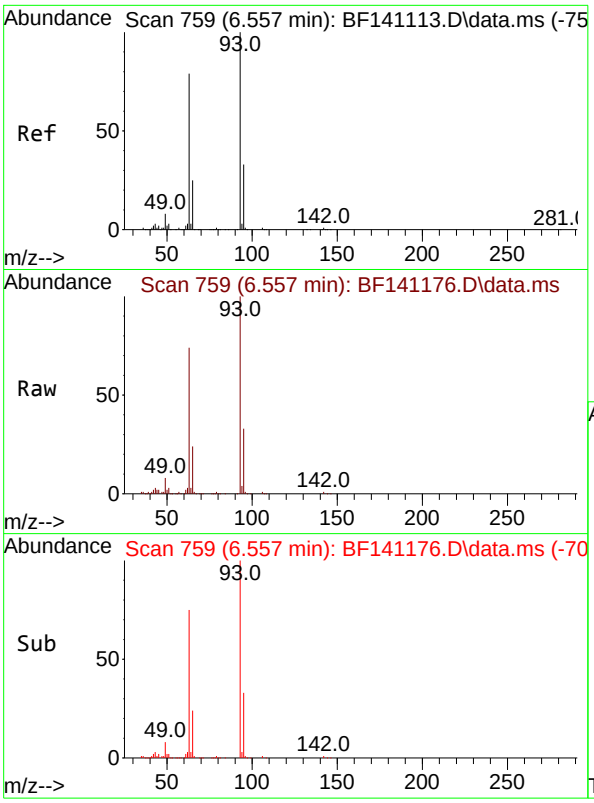




#10
Phenol
Concen: 31.570 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion: 94 Resp: 396493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.0 | 8.9 | 48.9 |
| 66 | 42.4 | 21.2 | 61.2 |



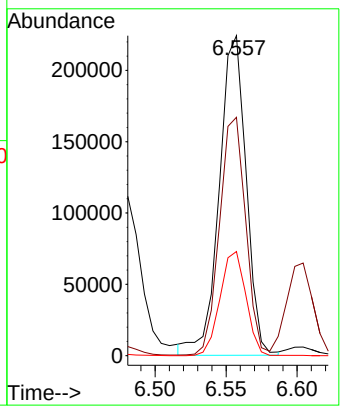


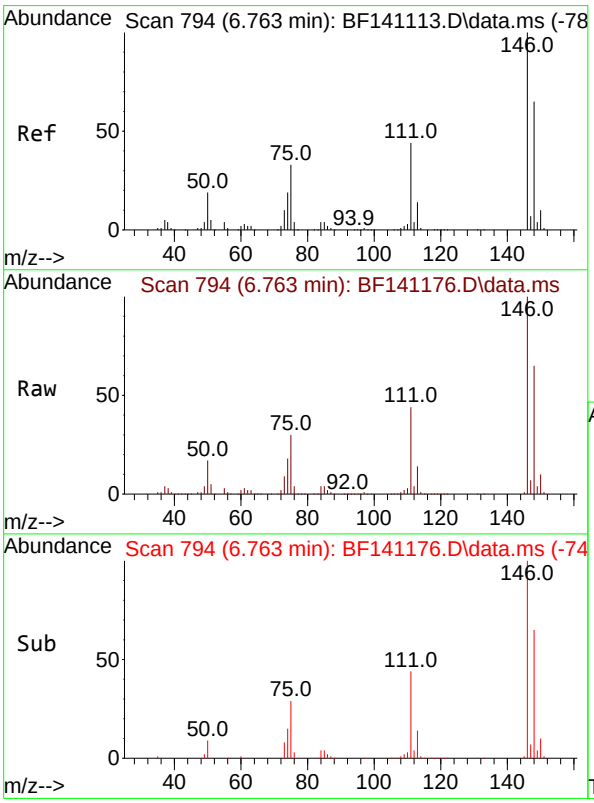

#11
bis(2-Chloroethyl)ether
Concen: 31.577 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion: 93 Resp: 295551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 74.5 | 58.0 | 98.0 |
| 95 | 32.5 | 12.5 | 52.5 |

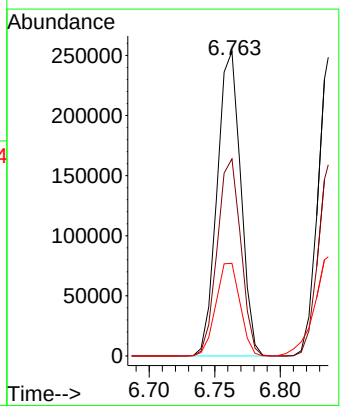


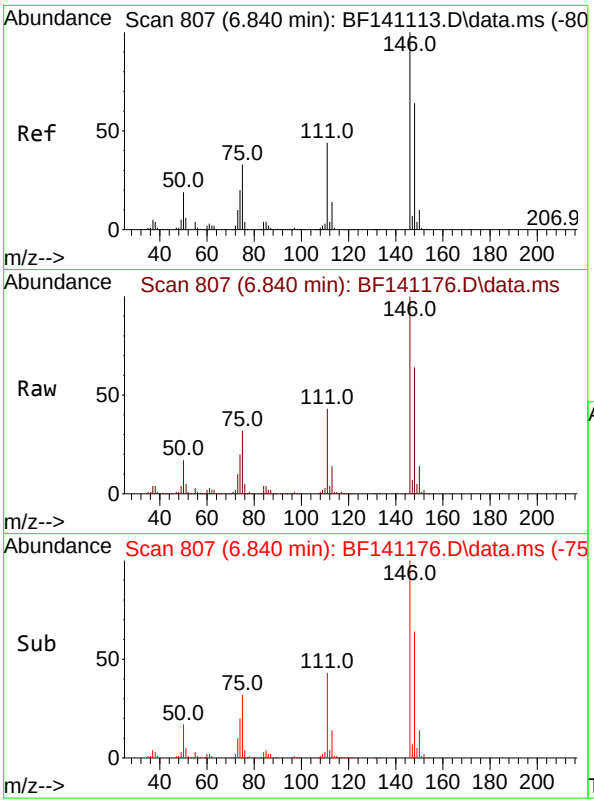




#12
1,3-Dichlorobenzene
Concen: 28.555 ng
RT: 6.763 min Scan# 794
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:146 Resp: 316476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 51.6 | 77.4 |
| 75 | 30.4 | 26.2 | 39.2 |



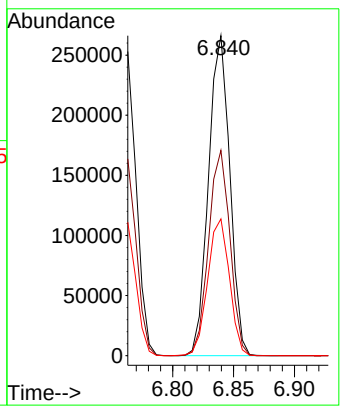


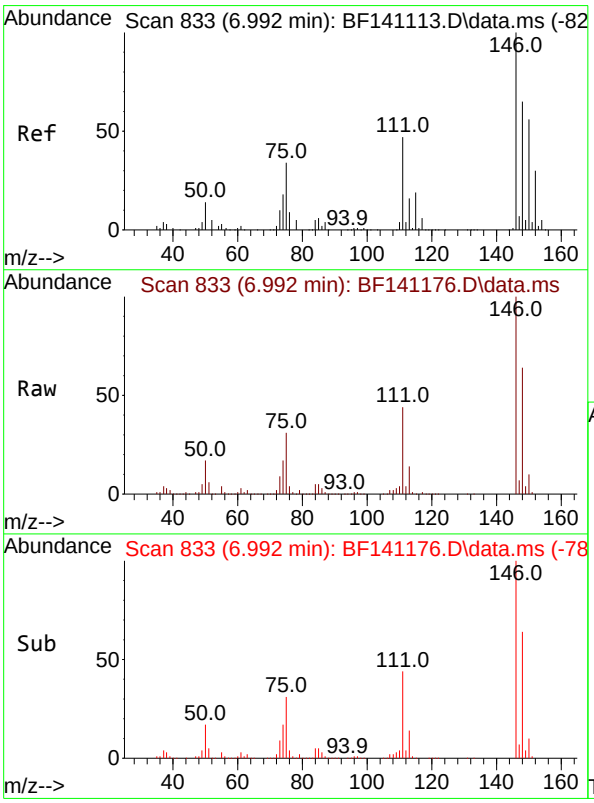

#13
1,4-Dichlorobenzene
Concen: 28.999 ng
RT: 6.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:146 Resp: 323869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.0 | 76.6 |
| 111 | 42.8 | 34.9 | 52.3 |

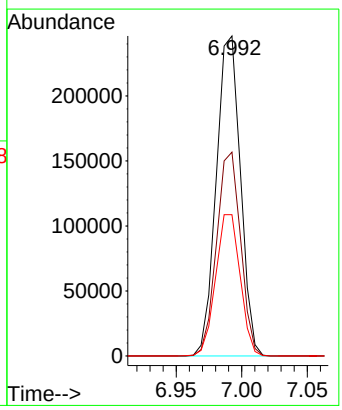


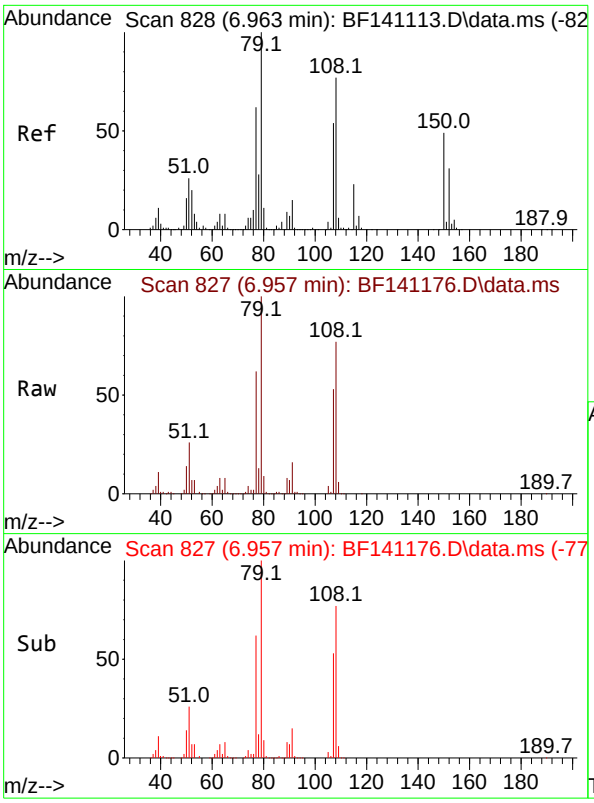




#14
1,2-Dichlorobenzene
Concen: 30.265 ng
RT: 6.992 min Scan# 833
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:146 Resp: 315295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 52.2 | 78.4 |
| 111 | 44.1 | 37.5 | 56.3 |



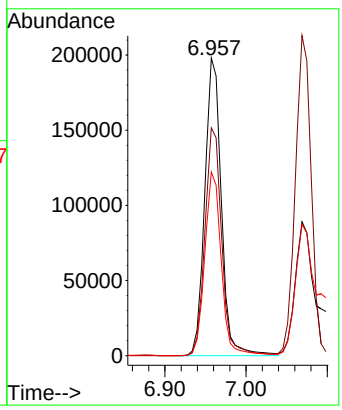


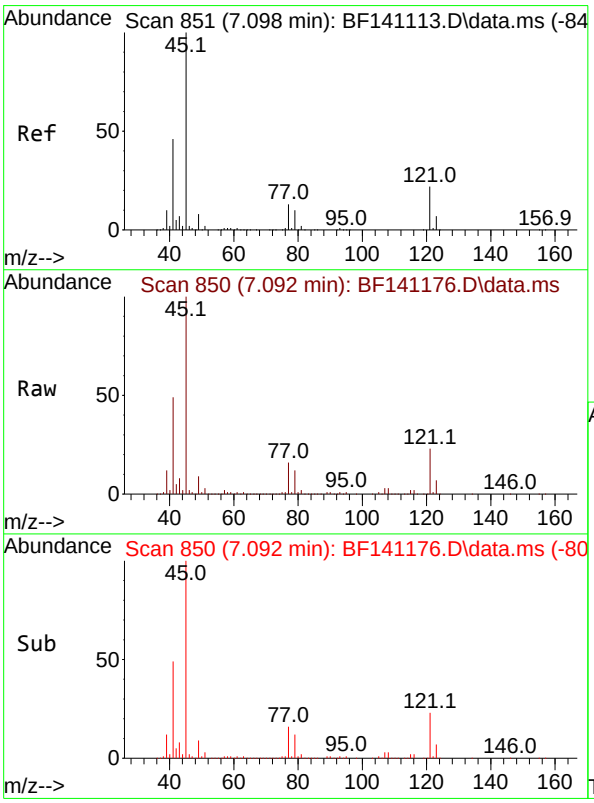

#15
Benzyl Alcohol
Concen: 33.086 ng
RT: 6.957 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion: 79 Resp: 280336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.5 | 61.4 | 92.0 |
| 77 | 61.7 | 49.8 | 74.6 |

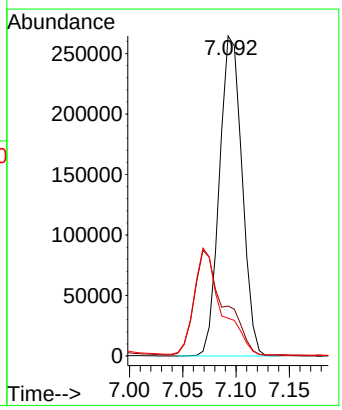


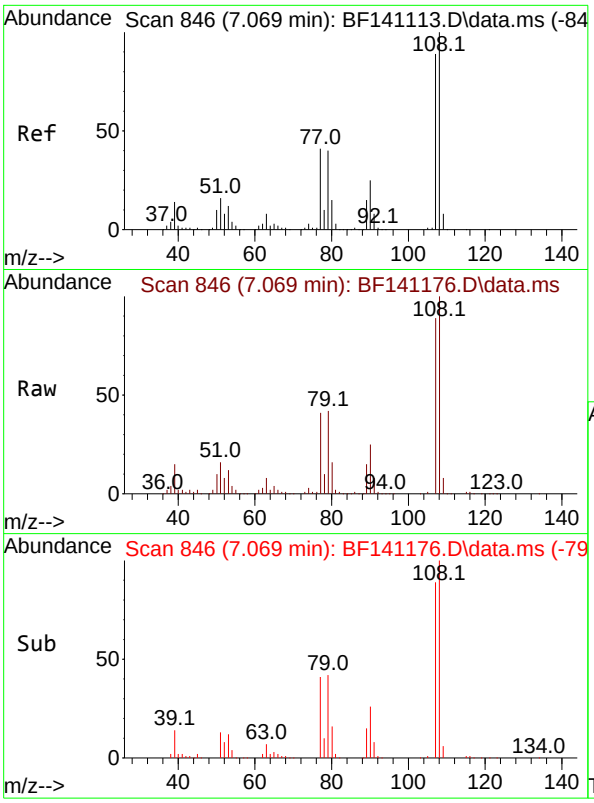




#16
2,2'-oxybis(1-Chloropropane)
Concen: 29.918 ng
RT: 7.092 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion: 45 Resp: 390750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 15.6 | 0.0 | 34.1 |
| 79 | 11.8 | 0.0 | 31.0 |



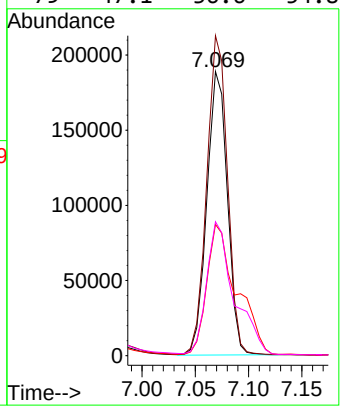


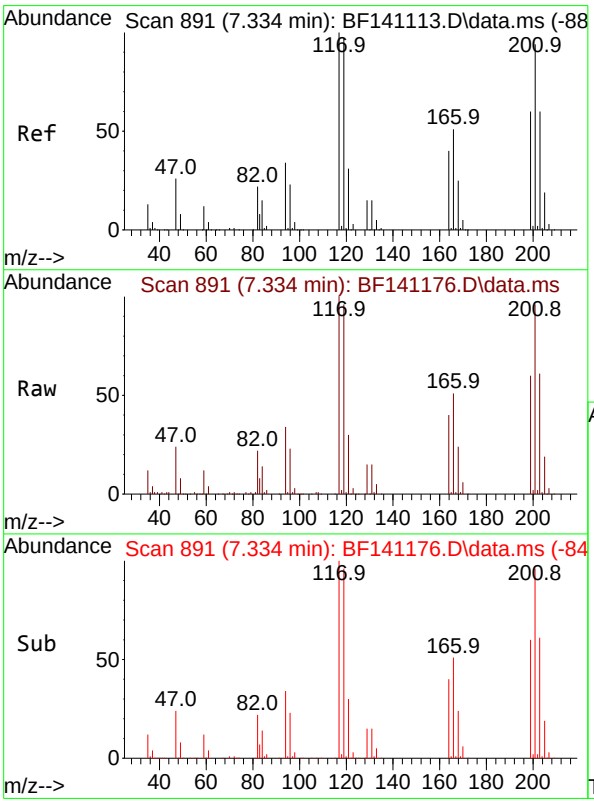

#17
2-Methylphenol
Concen: 31.569 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:107 Resp: 253262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.6 | 90.1 | 135.1 |
| 77 | 46.2 | 36.6 | 55.0 |
| 79 | 47.1 | 36.6 | 54.8 |

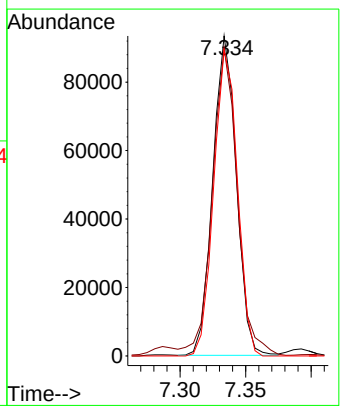


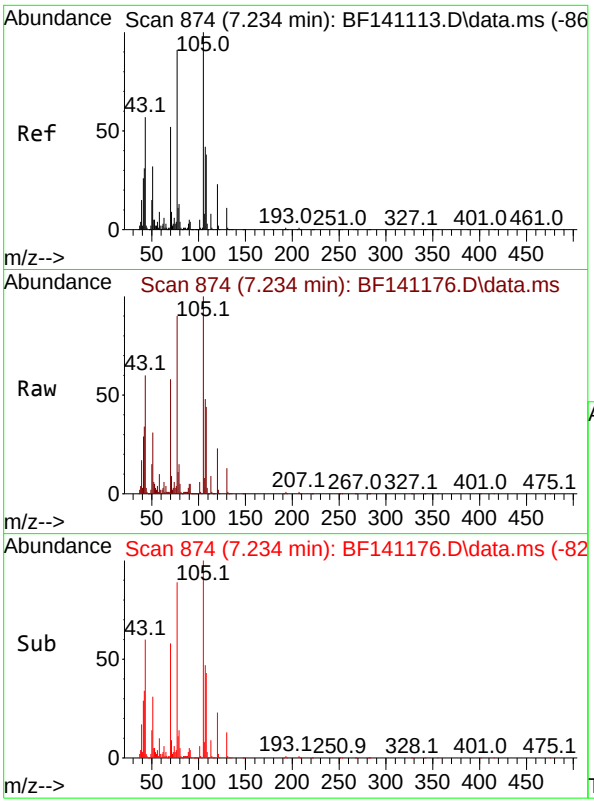




#18
Hexachloroethane
Concen: 28.846 ng
RT: 7.334 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:117 Resp: 116502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.2 | 77.6 | 116.4 |
| 201 | 95.7 | 75.1 | 112.7 |



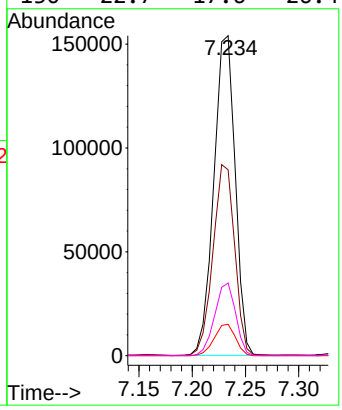


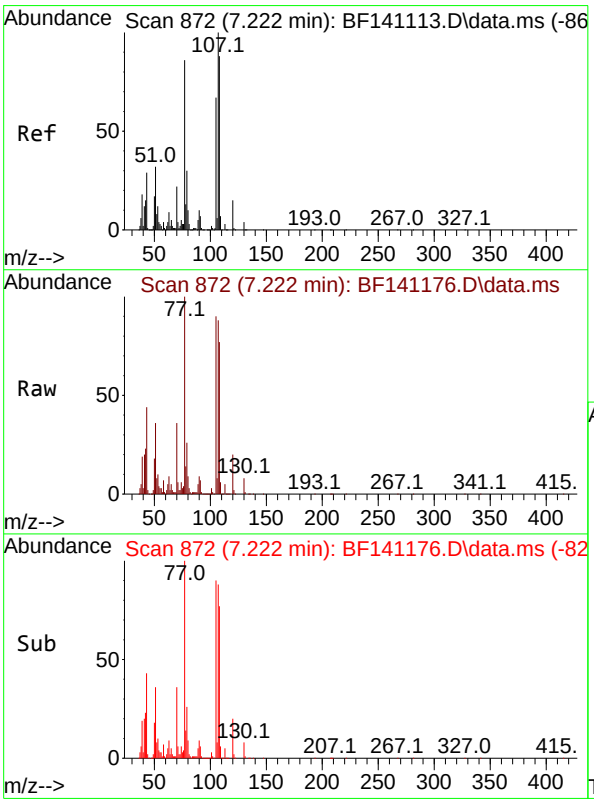

#19
n-Nitroso-di-n-propylamine
Concen: 31.050 ng
RT: 7.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion: 70 Resp: 214591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 58.1 | 47.8 | 71.6 |
| 101 | 9.8 | 7.9 | 11.9 |
| 130 | 22.7 | 17.6 | 26.4 |

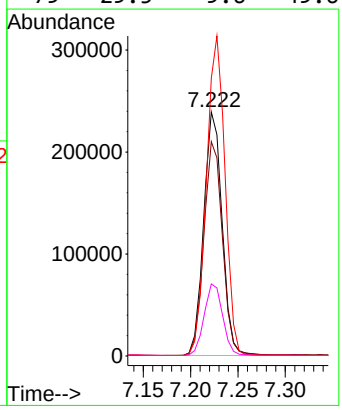


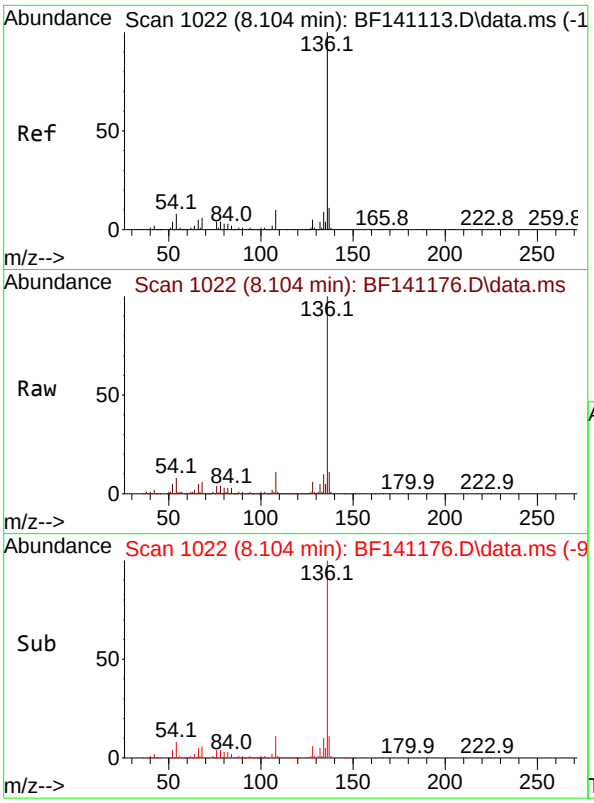




#20
3+4-Methylphenols
Concen: 32.030 ng
RT: 7.222 min Scan# 872
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:107 Resp: 324187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 87.8 | 68.3 | 108.3 |
| 77 | 113.8 | 66.4 | 106.4# |
| 79 | 29.5 | 9.6 | 49.6 |



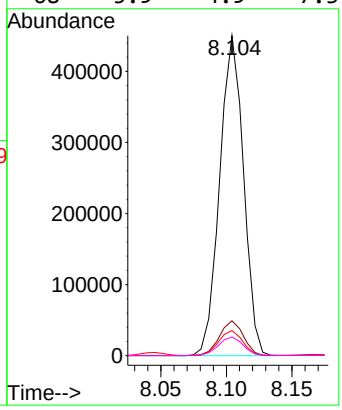


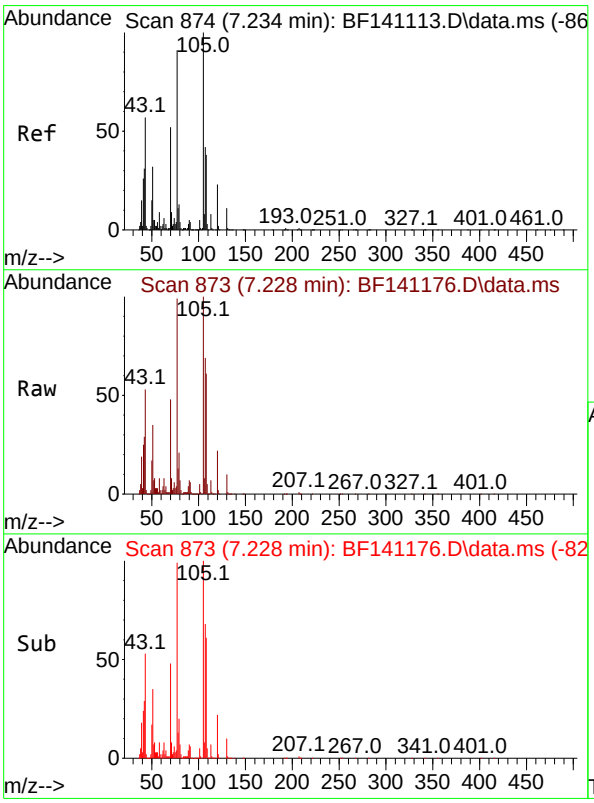

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:136 Resp: 569188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 7.9 | 6.3 | 9.5 |
| 68 | 5.9 | 4.9 | 7.3 |

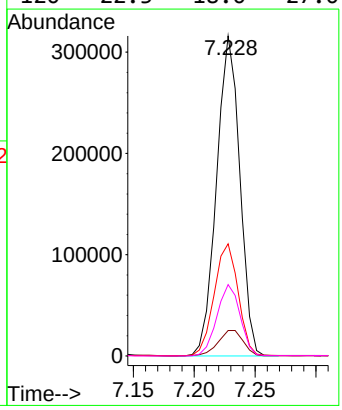


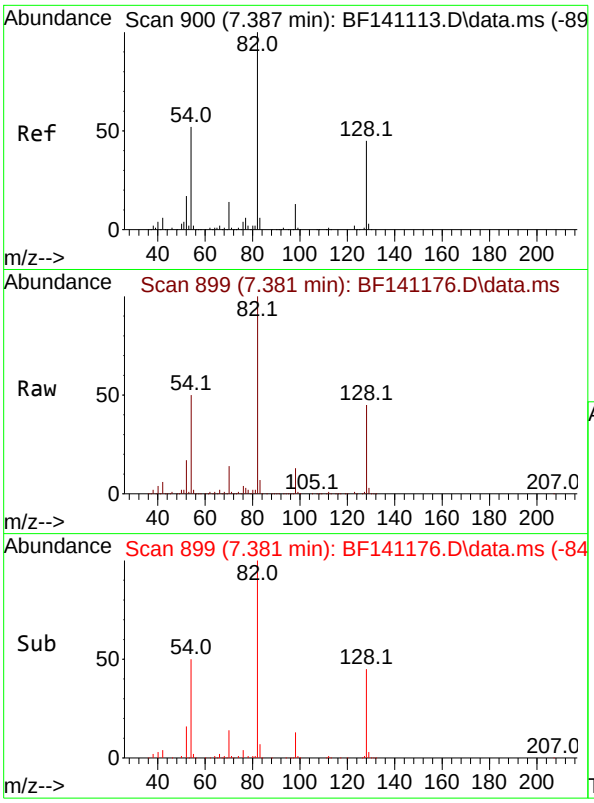




#22
Acetophenone
Concen: 31.075 ng
RT: 7.228 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:105 Resp: 420478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.9 | 7.1 | 10.7 |
| 51 | 35.1 | 25.4 | 38.2 |
| 120 | 22.3 | 18.0 | 27.0 |



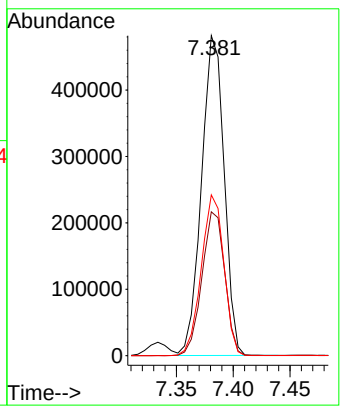


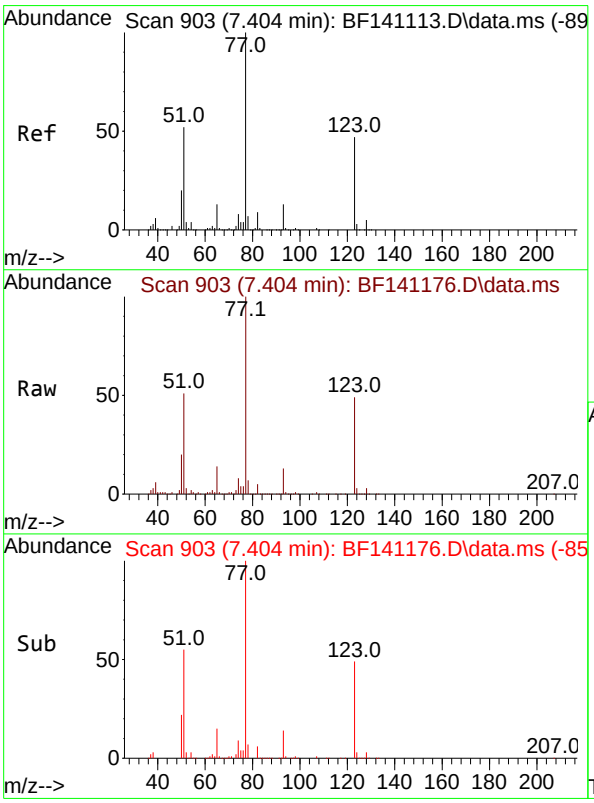

#23
Nitrobenzene-d5
Concen: 62.104 ng
RT: 7.381 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion: 82 Resp: 666857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.0 | 36.1 | 54.1 |
| 54 | 50.2 | 41.0 | 61.4 |

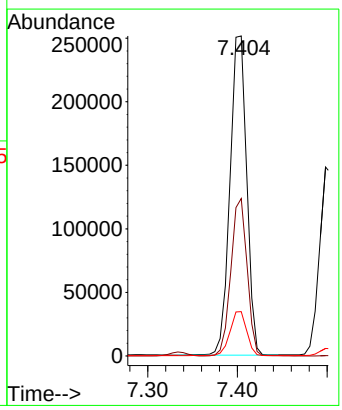


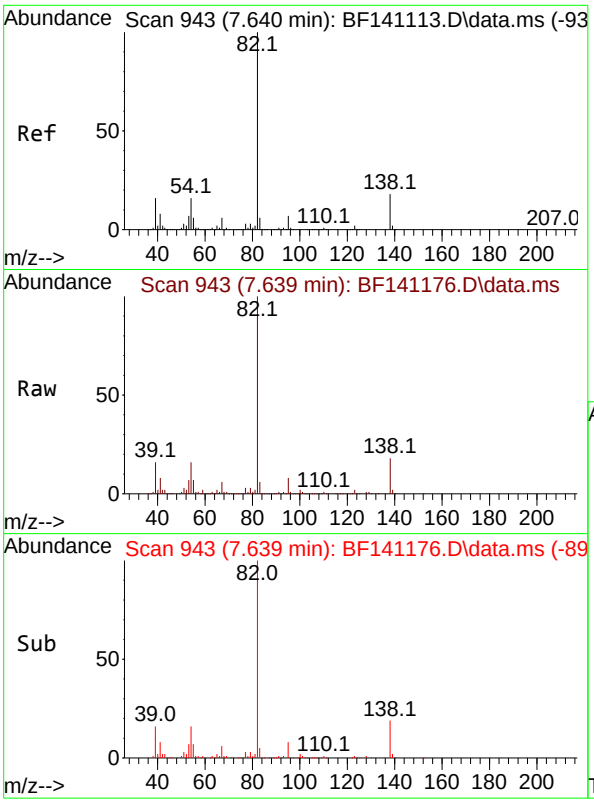




#24
Nitrobenzene
Concen: 29.097 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion: 77 Resp: 325628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 49.2 | 37.7 | 56.5 |
| 65 | 13.8 | 10.6 | 16.0 |



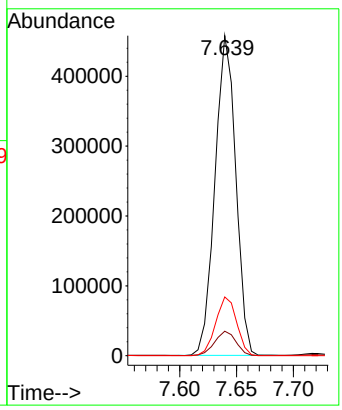


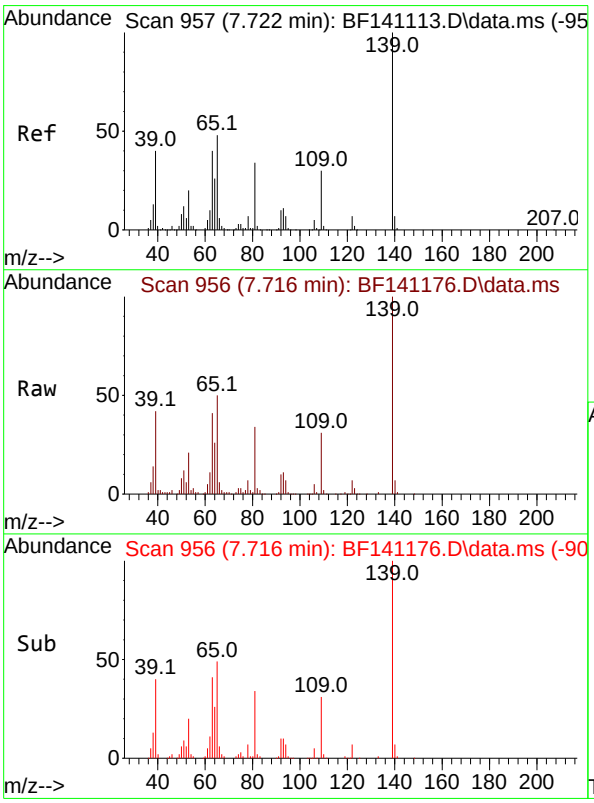

#25
Isophorone
Concen: 31.812 ng
RT: 7.639 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion: 82 Resp: 583759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.7 | 5.9 | 8.9 |
| 138 | 18.4 | 14.2 | 21.2 |

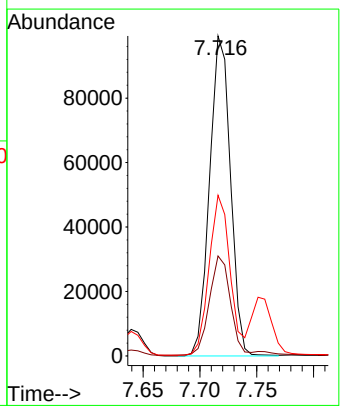


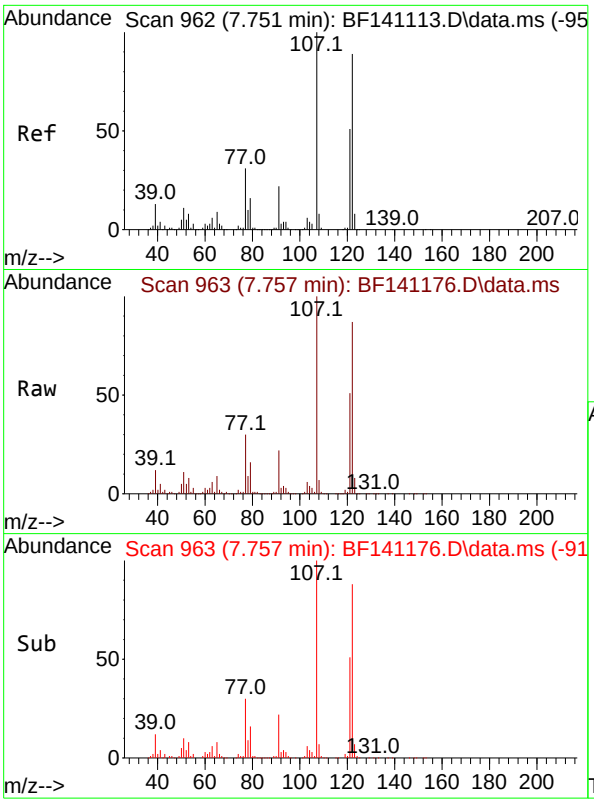




#26
2-Nitrophenol
Concen: 24.949 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:139 Resp: 127008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.2 | 23.8 | 35.6 |
| 65 | 50.2 | 38.5 | 57.7 |



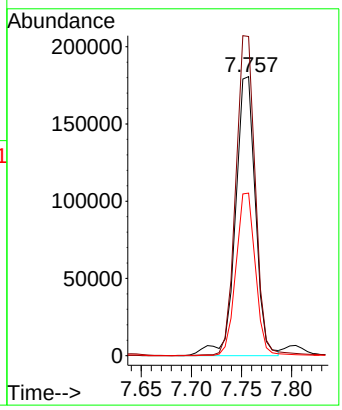


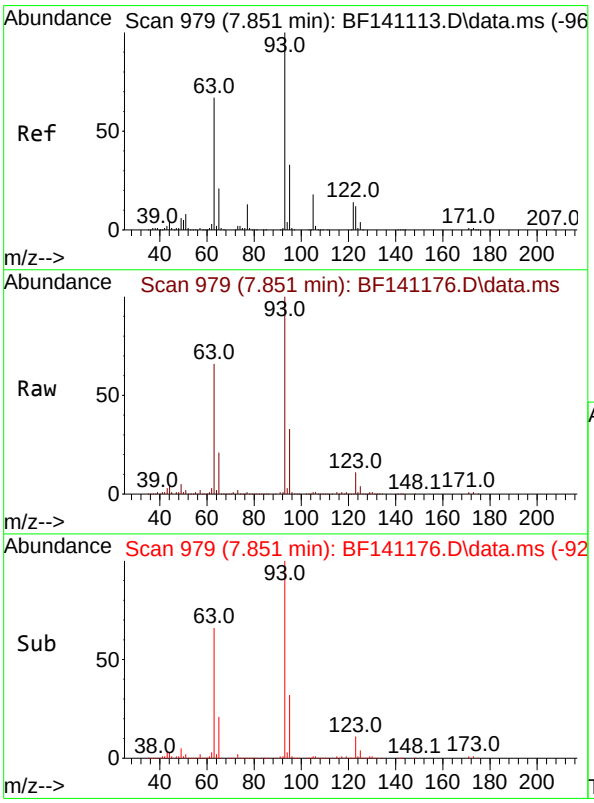

#27
2,4-Dimethylphenol
Concen: 36.528 ng
RT: 7.757 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:122 Resp: 250815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.4 | 90.3 | 135.5 |
| 121 | 58.2 | 46.5 | 69.7 |

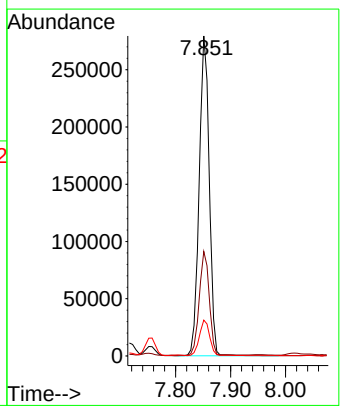


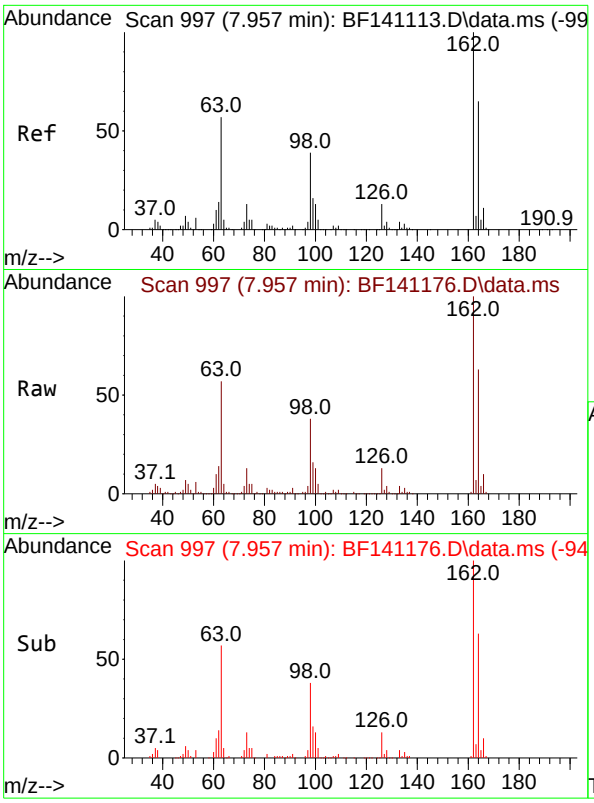




#28
bis(2-Chloroethoxy)methane
Concen: 30.949 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion: 93 Resp: 356419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.7 | 26.2 | 39.4 |
| 123 | 11.2 | 10.1 | 15.1 |



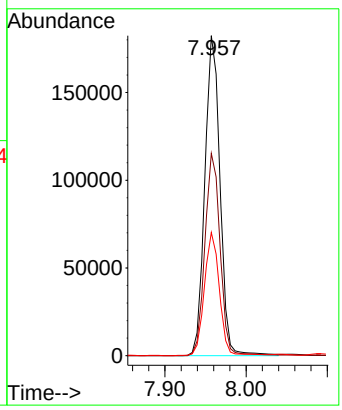


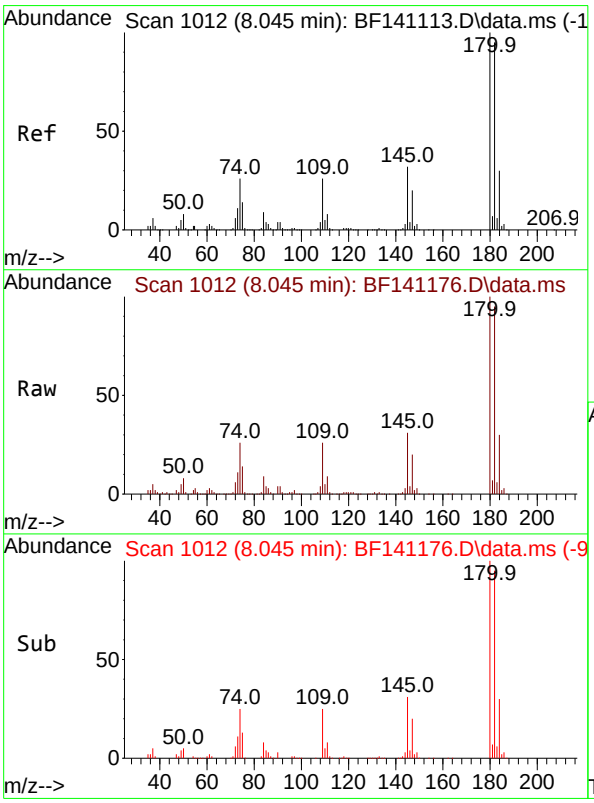

#29
2,4-Dichlorophenol
Concen: 29.043 ng
RT: 7.957 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:162 Resp: 236851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.2 | 44.5 | 84.5 |
| 98 | 38.5 | 18.5 | 58.5 |

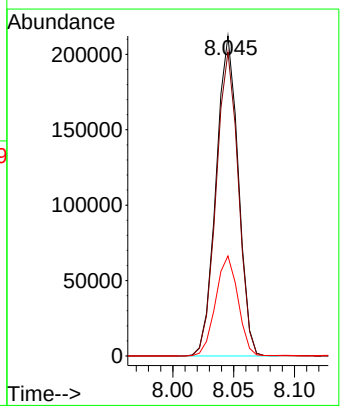


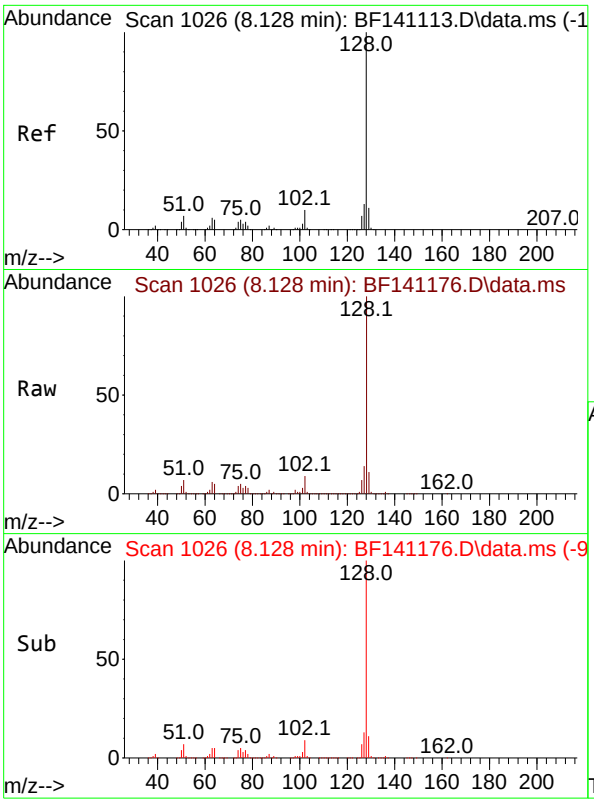




#30
1,2,4-Trichlorobenzene
Concen: 28.843 ng
RT: 8.045 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:180 Resp: 268865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.0 | 76.2 | 114.2 |
| 145 | 31.3 | 25.3 | 37.9 |



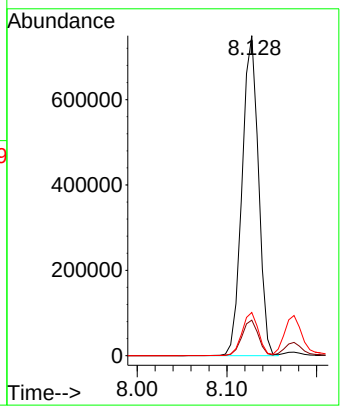


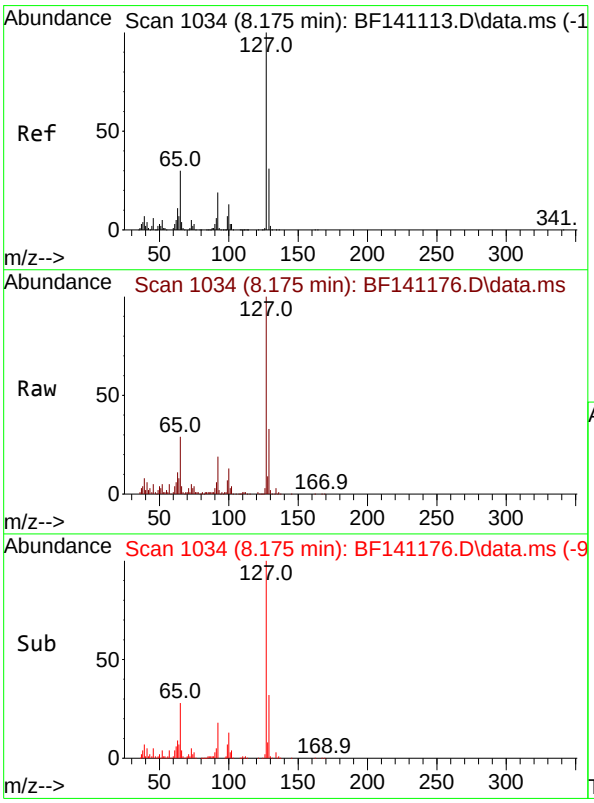

#31
Naphthalene
Concen: 31.607 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:128 Resp: 948739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 9.0 | 13.6 |
| 127 | 13.5 | 10.8 | 16.2 |

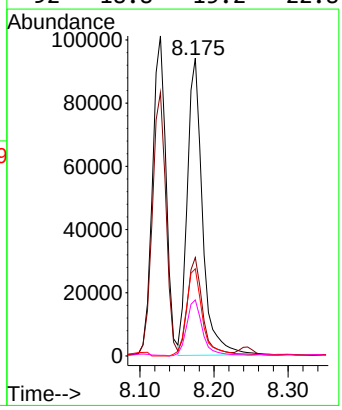


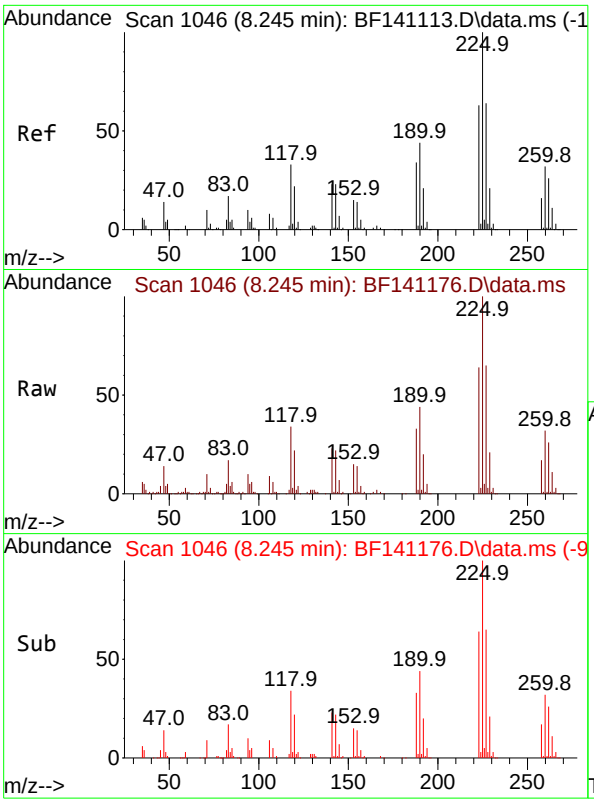




#33
4-Chloroaniline
Concen: 12.958 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:127 Resp: 134518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 33.0 | 25.9 | 38.9 |
| 65 | 29.3 | 23.8 | 35.8 |
| 92 | 18.8 | 15.2 | 22.8 |



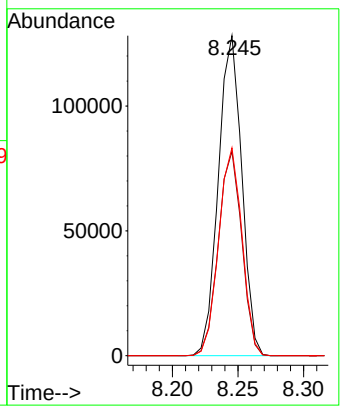


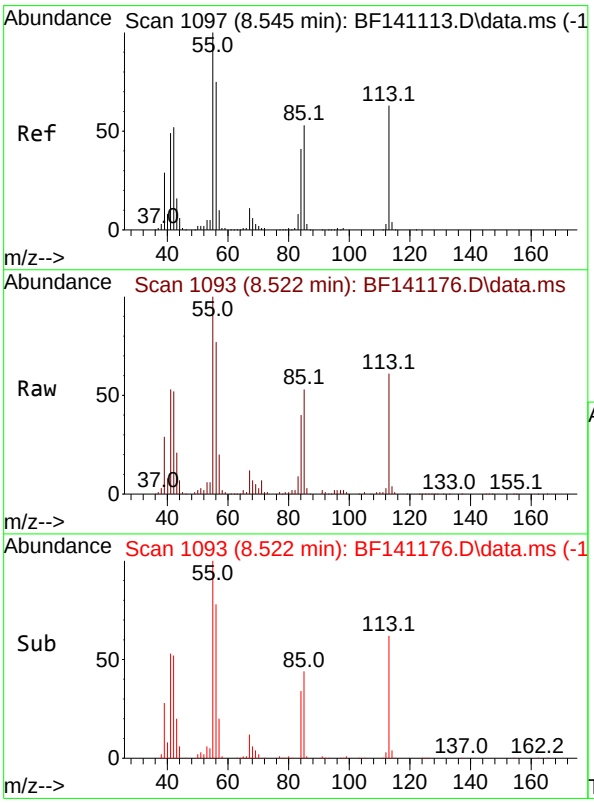

#34
Hexachlorobutadiene
Concen: 28.334 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:225 Resp: 159147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.8 | 50.6 | 76.0 |
| 227 | 65.0 | 51.6 | 77.4 |

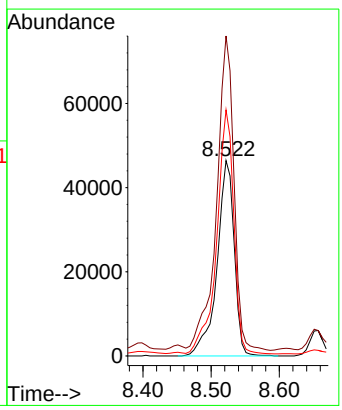


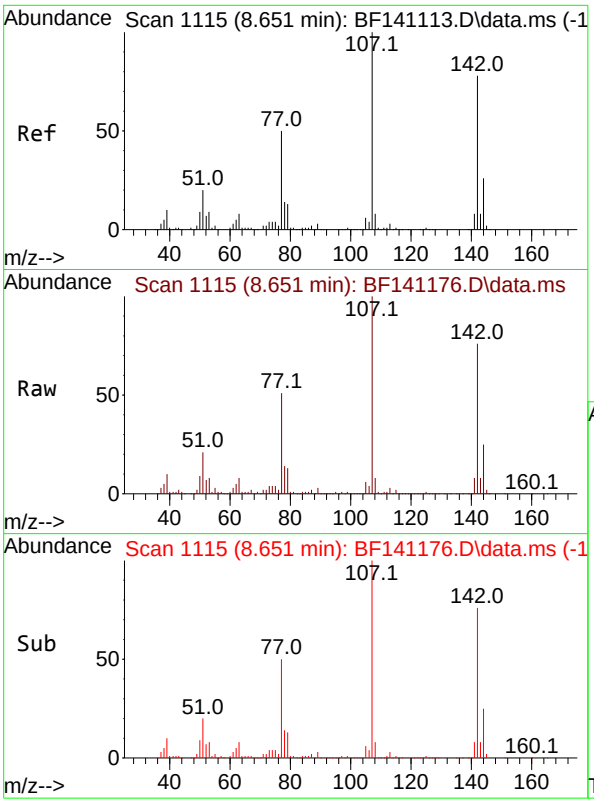




#35
Caprolactam
Concen: 30.523 ng
RT: 8.522 min Scan# 1093
Delta R.T. -0.024 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:113 Resp: 81493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 163.8 | 139.7 | 179.7 |
| 56 | 126.0 | 99.4 | 139.4 |



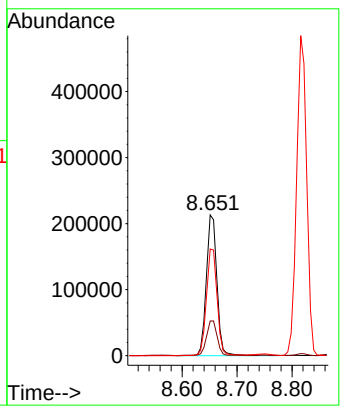


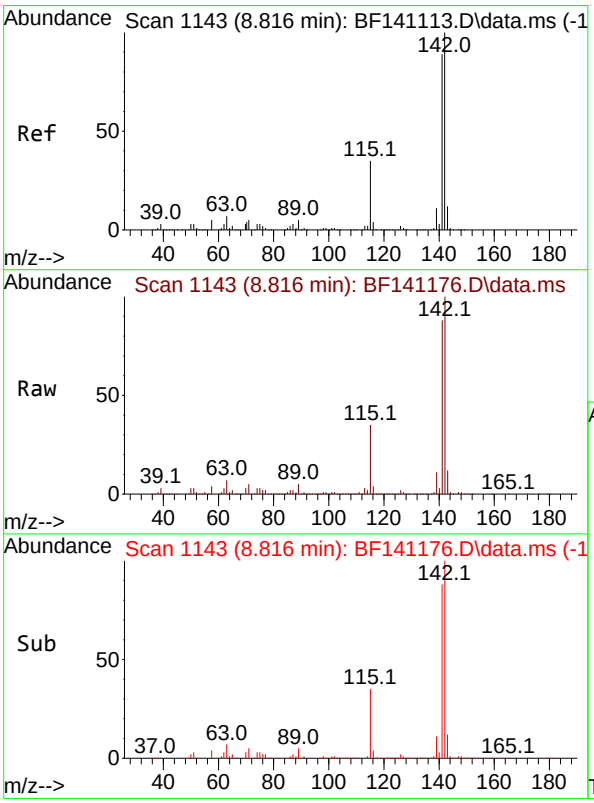

#36
4-Chloro-3-methylphenol
Concen: 31.937 ng
RT: 8.651 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:107 Resp: 284843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.7 | 20.4 | 30.6 |
| 142 | 75.9 | 62.2 | 93.2 |

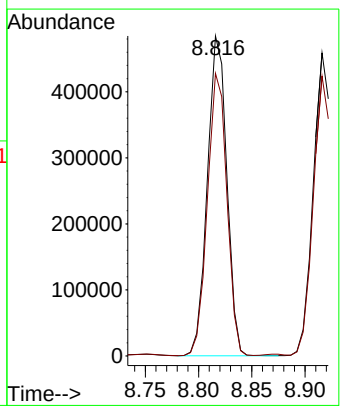


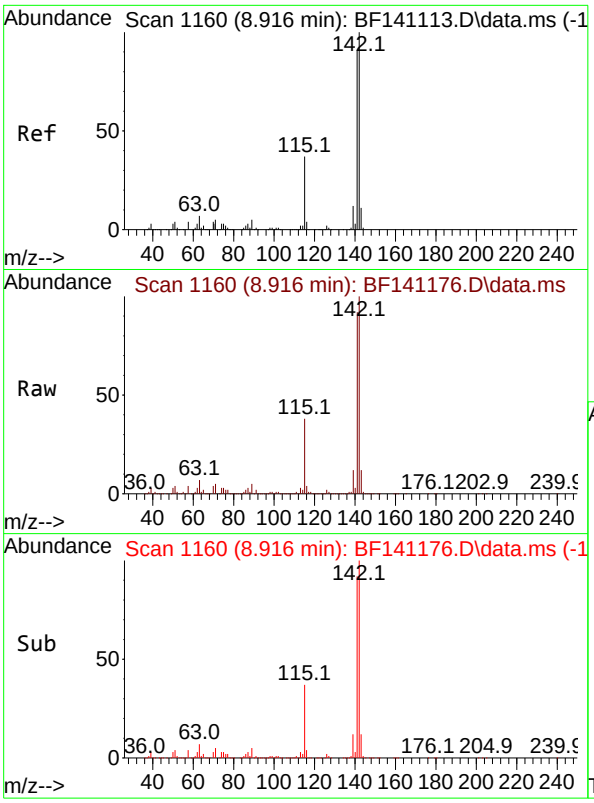




#37
2-Methylnaphthalene
Concen: 32.151 ng
RT: 8.816 min Scan# 1143
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:142 Resp: 614978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.3 | 71.3 | 106.9 |



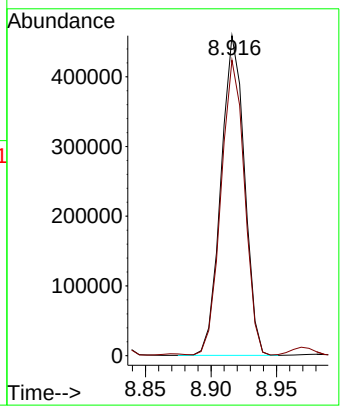


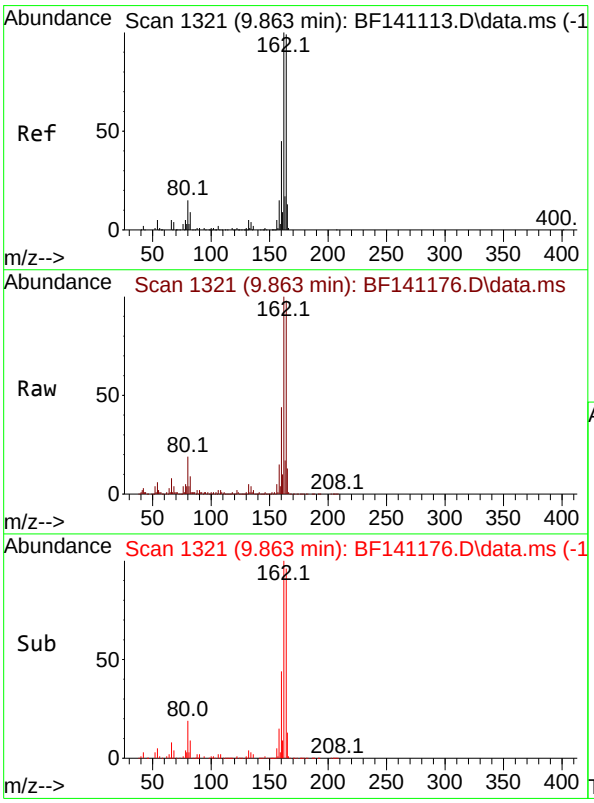

#38
1-Methylnaphthalene
Concen: 30.321 ng
RT: 8.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:142 Resp: 571584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.3 | 73.1 | 109.7 |

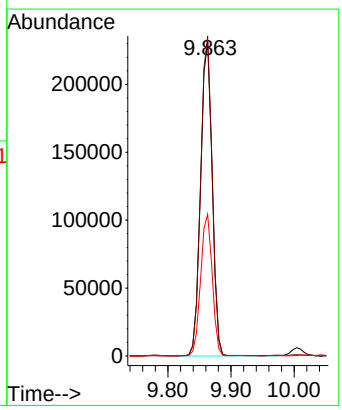


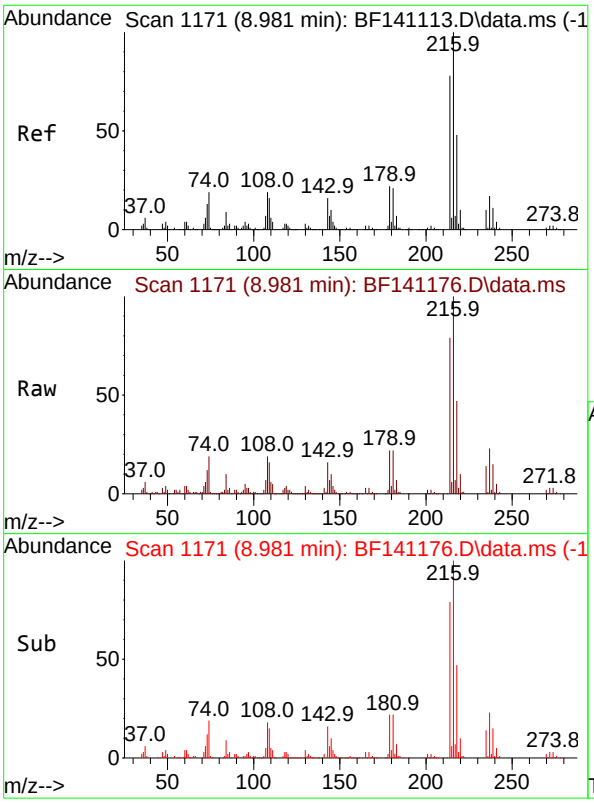




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:164 Resp: 294771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.9 | 81.0 | 121.4 |
| 160 | 45.1 | 36.1 | 54.1 |



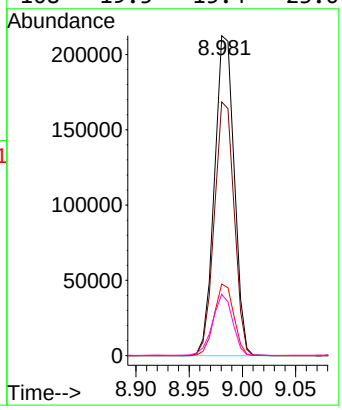


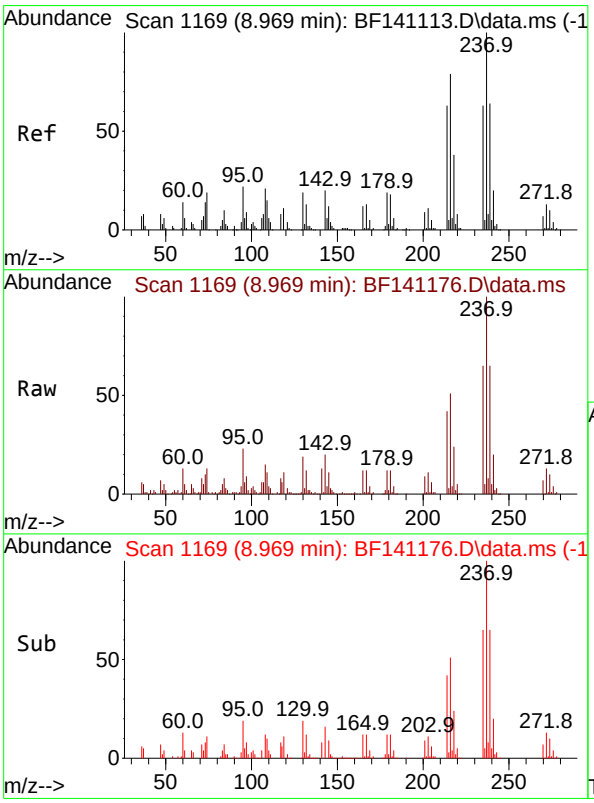

#40
1,2,4,5-Tetrachlorobenzene
Concen: 32.449 ng
RT: 8.981 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:216 Resp: 274538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.3 | 62.6 | 94.0 |
| 179 | 22.0 | 17.7 | 26.5 |
| 108 | 19.5 | 15.4 | 23.0 |

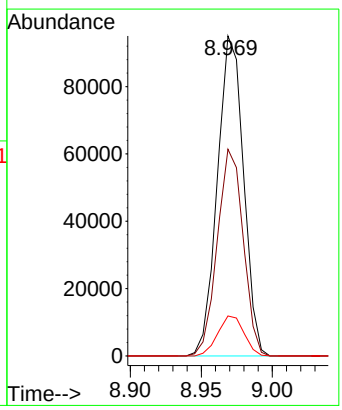


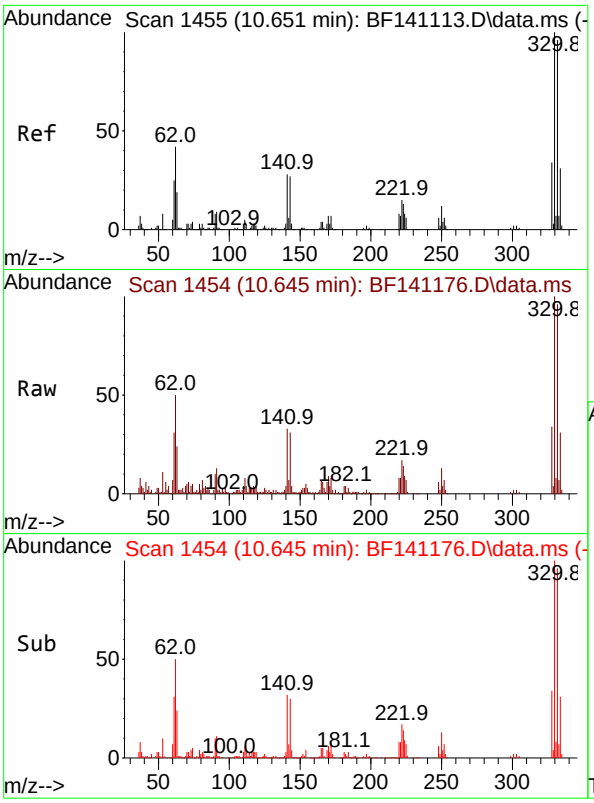




#41
Hexachlorocyclopentadiene
Concen: 43.925 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:237 Resp: 121583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 64.6 | 43.0 | 83.0 |
| 272 | 12.5 | 0.0 | 33.0 |



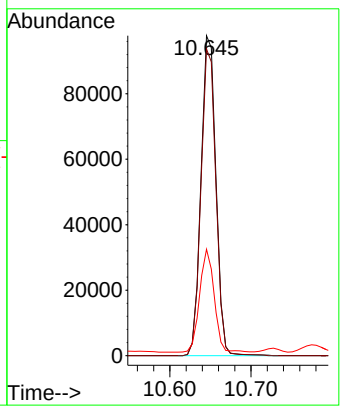


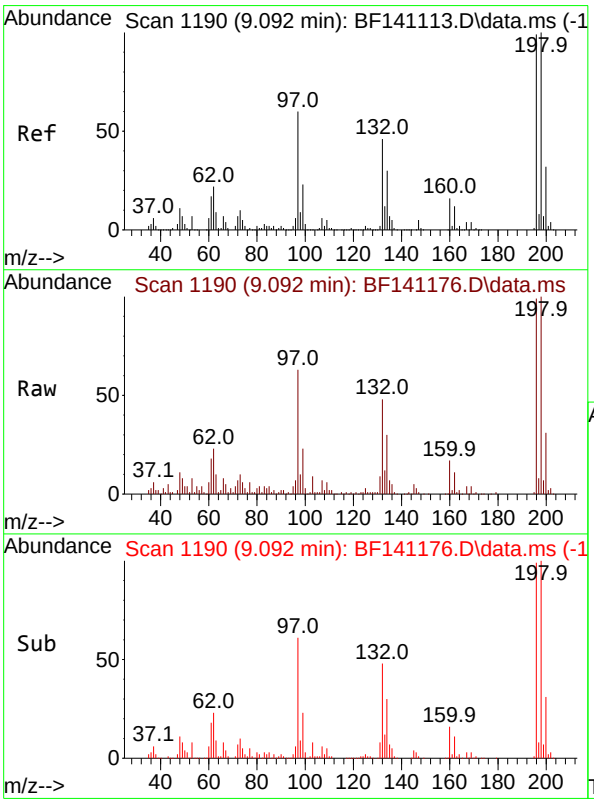

#42
2,4,6-Tribromophenol
Concen: 37.124 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:330 Resp: 124689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.8 | 76.9 | 115.3 |
| 141 | 31.3 | 25.2 | 37.8 |

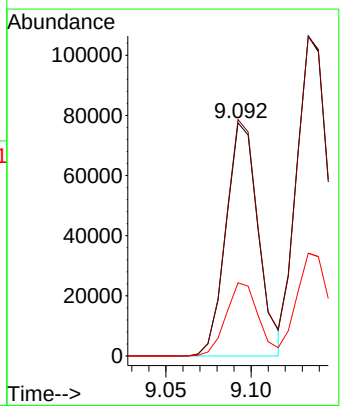


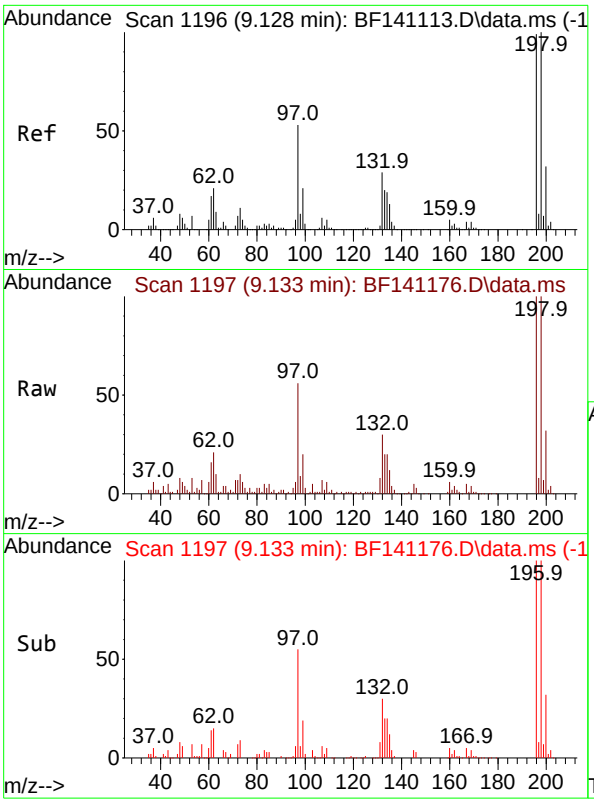




#43
2,4,6-Trichlorophenol
Concen: 17.856 ng
RT: 9.092 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:196 Resp: 101888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.4 | 80.8 | 121.2 |
| 200 | 31.4 | 25.7 | 38.5 |



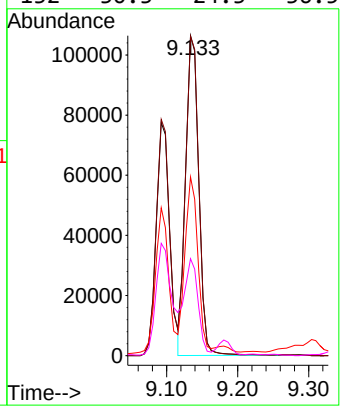


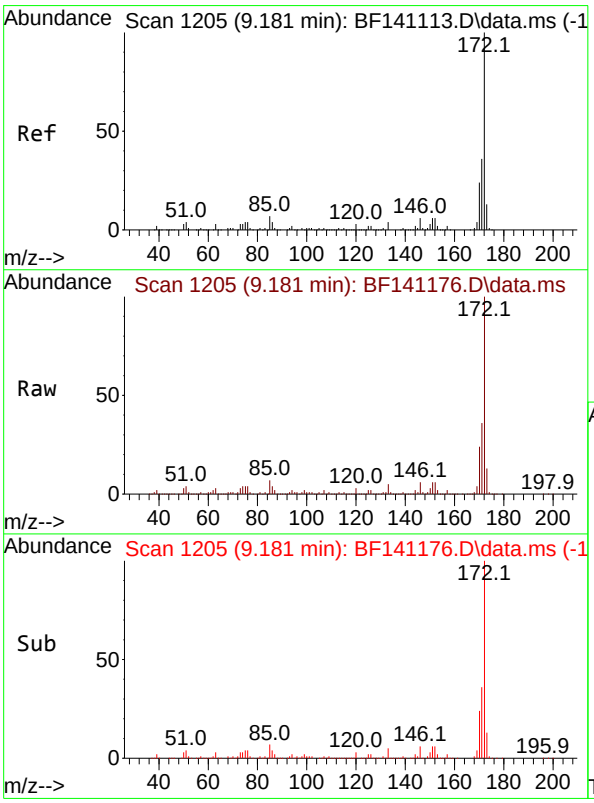

#44
2,4,5-Trichlorophenol
Concen: 22.875 ng
RT: 9.133 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:196 Resp: 137849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.9 | 80.6 | 120.8 |
| 97 | 55.8 | 43.1 | 64.7 |
| 132 | 30.3 | 24.3 | 36.5 |

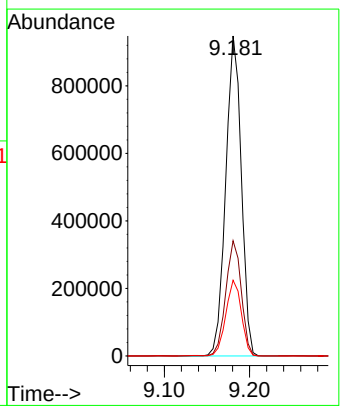


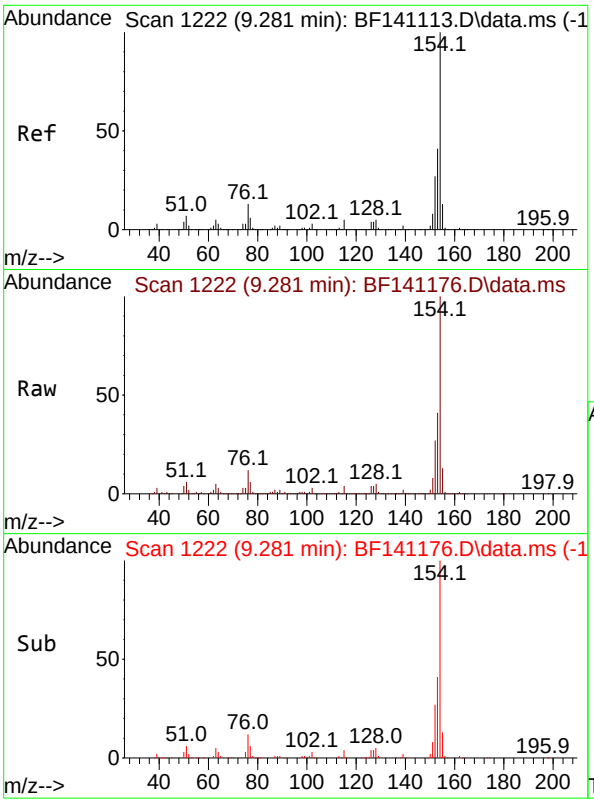




#45
2-Fluorobiphenyl
Concen: 62.565 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:172 Resp: 1207713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 28.7 | 43.1 |
| 170 | 23.6 | 19.0 | 28.6 |



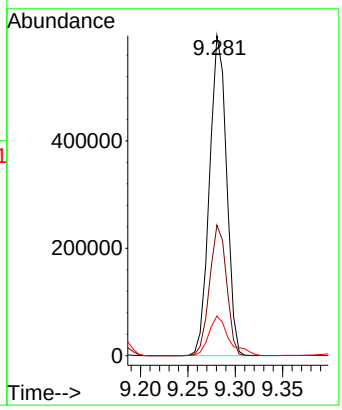


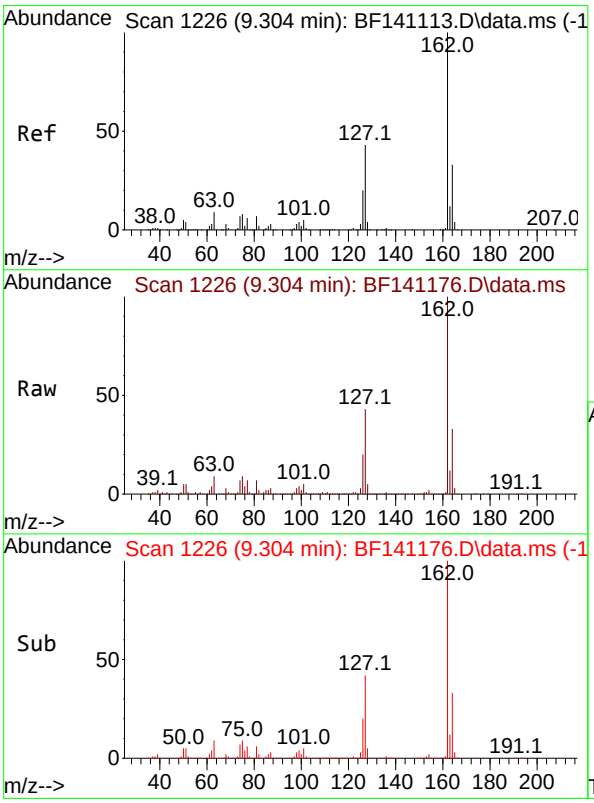

#46
1,1'-Biphenyl
Concen: 32.517 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:154 Resp: 744386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.8 | 20.7 | 60.7 |
| 76 | 12.4 | 0.0 | 33.1 |

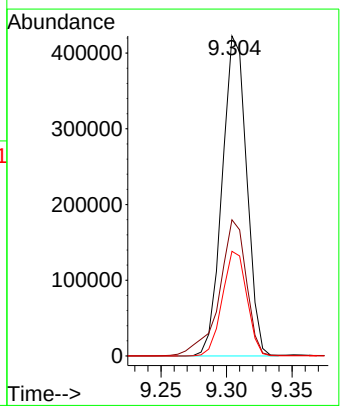


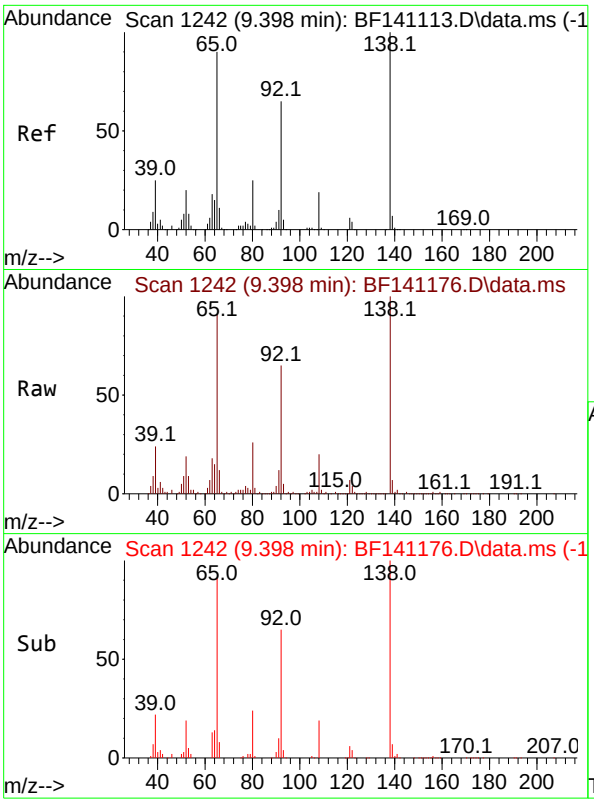




#47
2-Chloronaphthalene
Concen: 30.807 ng
RT: 9.304 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:162 Resp: 549279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.5 | 34.6 | 51.8 |
| 164 | 32.7 | 26.5 | 39.7 |



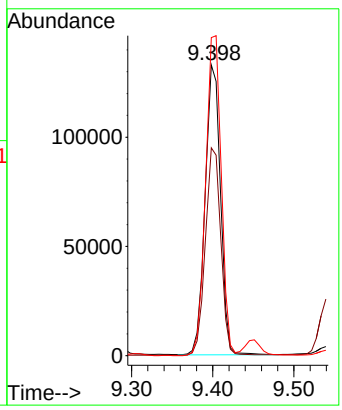


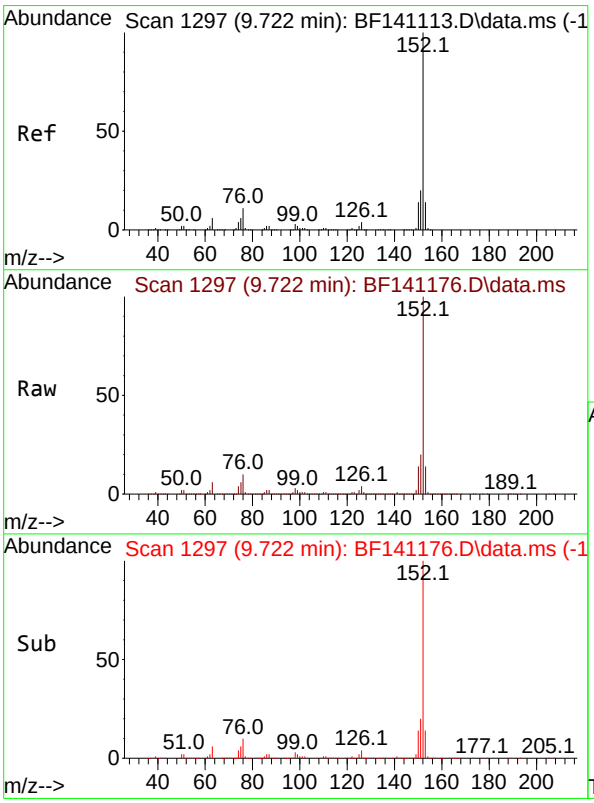

#48
2-Nitroaniline
Concen: 32.905 ng
RT: 9.398 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion: 65 Resp: 173916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.5 | 58.3 | 87.5 |
| 138 | 109.4 | 89.1 | 133.7 |

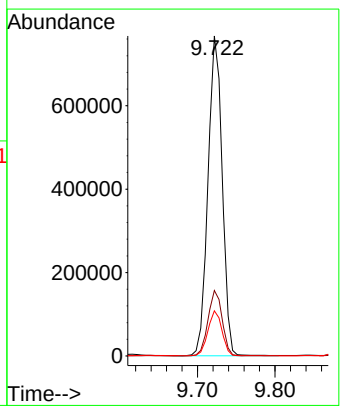


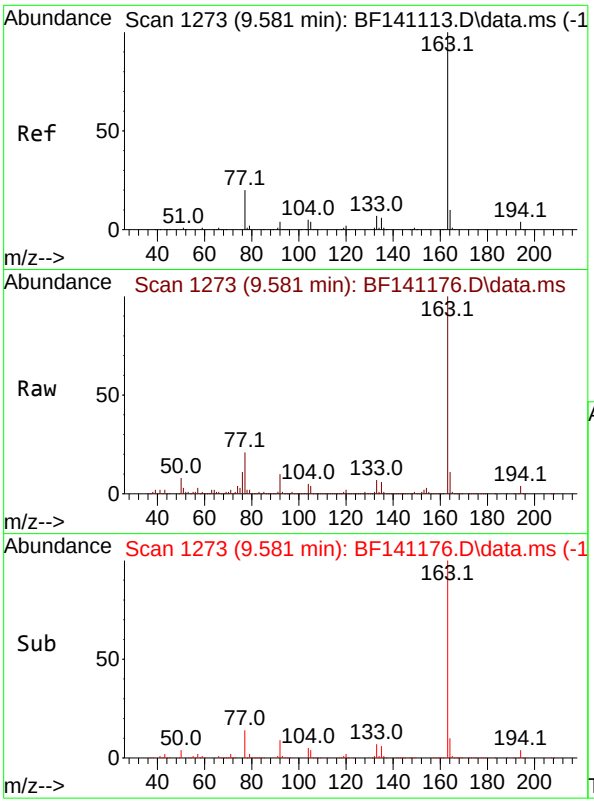




#49
Acenaphthylene
Concen: 38.365 ng
RT: 9.722 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:152 Resp: 977297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.4 | 16.1 | 24.1 |
| 153 | 14.1 | 11.1 | 16.7 |



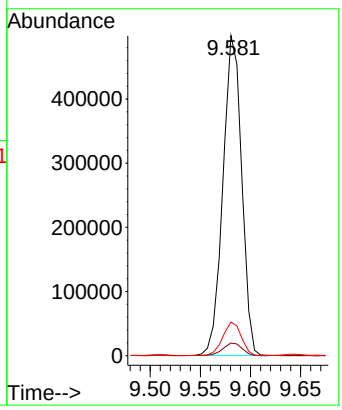


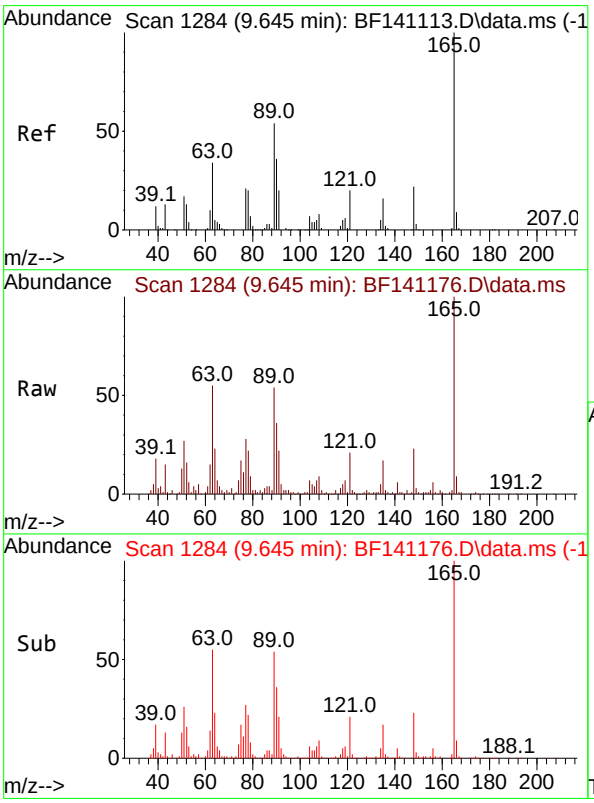

#50
Dimethylphthalate
Concen: 32.646 ng
RT: 9.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:163 Resp: 646040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.0 | 4.6 |
| 164 | 10.5 | 8.2 | 12.4 |

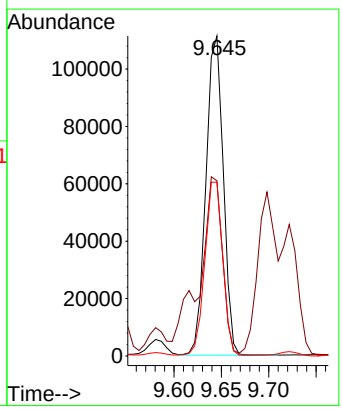


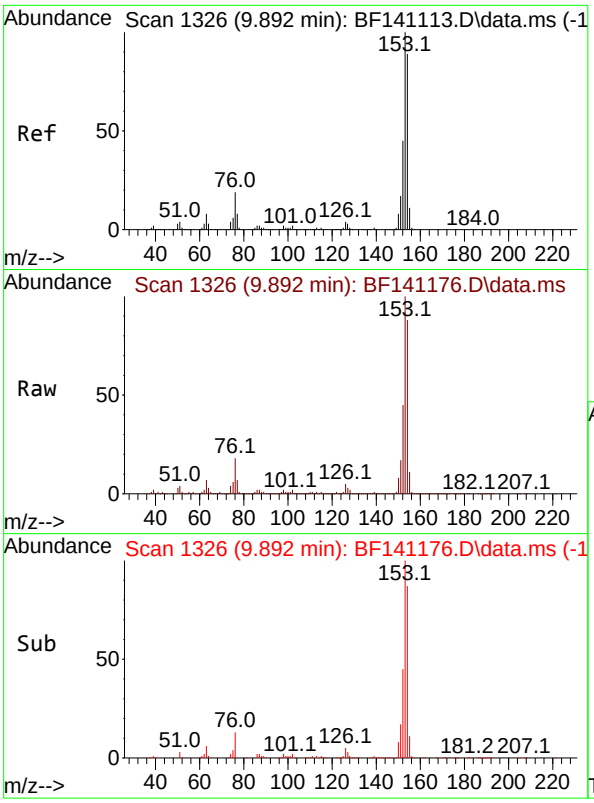




#51
2,6-Dinitrotoluene
Concen: 30.737 ng
RT: 9.645 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:165 Resp: 141448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 54.8 | 42.3 | 63.5 |
| 89 | 54.3 | 43.1 | 64.7 |



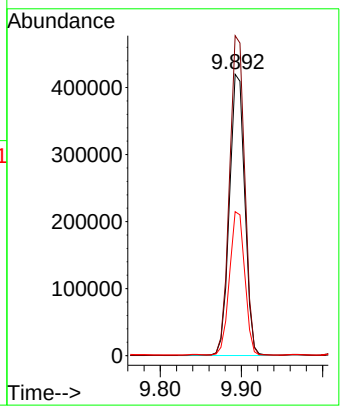


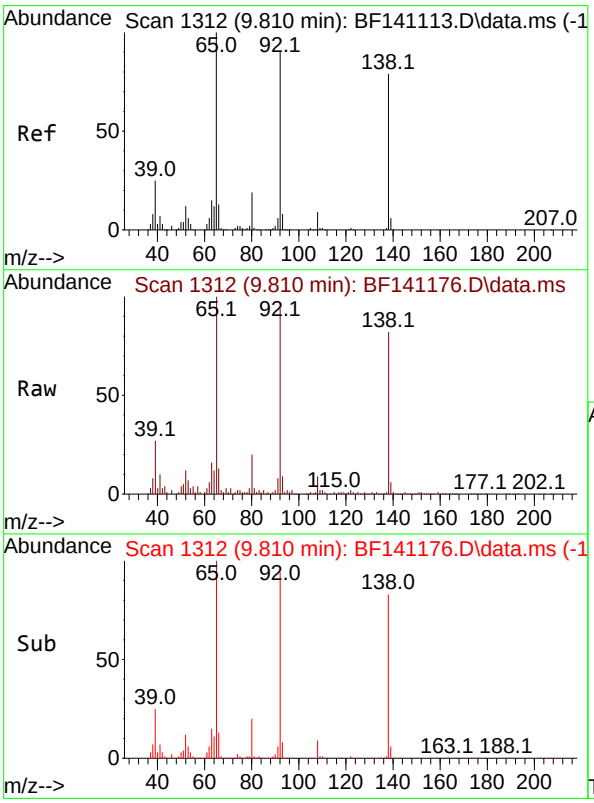

#52
Acenaphthene
Concen: 30.870 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:154 Resp: 549398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.7 | 89.8 | 134.6 |
| 152 | 51.2 | 40.8 | 61.2 |

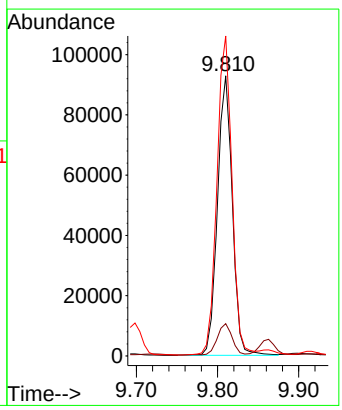


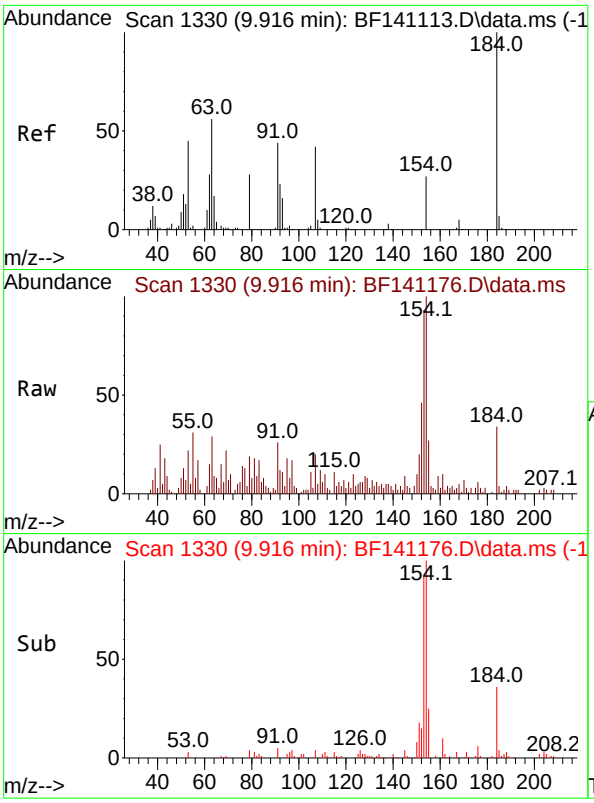




#53
3-Nitroaniline
Concen: 25.238 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:138 Resp: 118024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.5 | 8.8 | 13.2 |
| 92 | 114.2 | 91.3 | 136.9 |



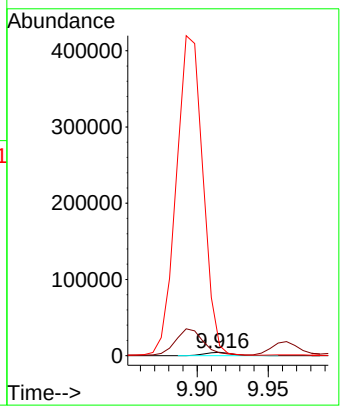


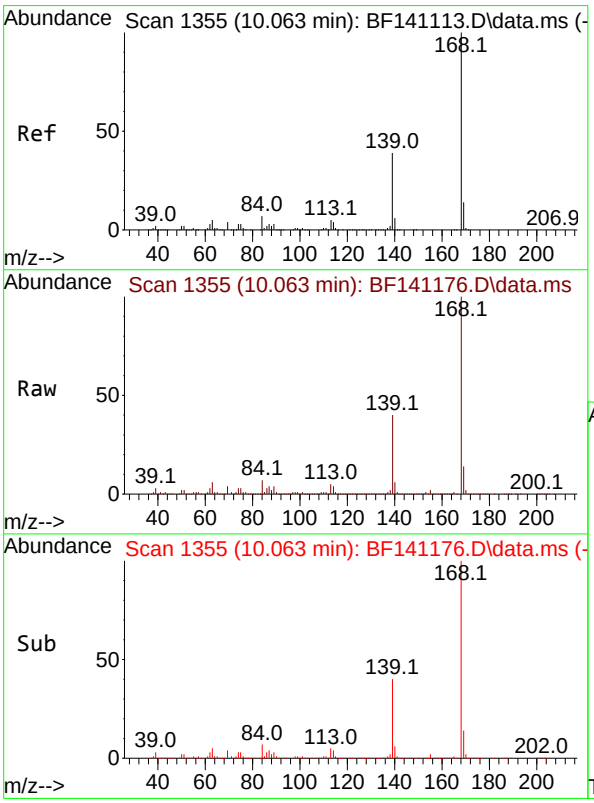

#54
2,4-Dinitrophenol
Concen: 2.668 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:184 Resp: 5836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 87.2 | 48.7 | 73.1# |
| 154 | 298.4 | 57.1 | 85.7# |

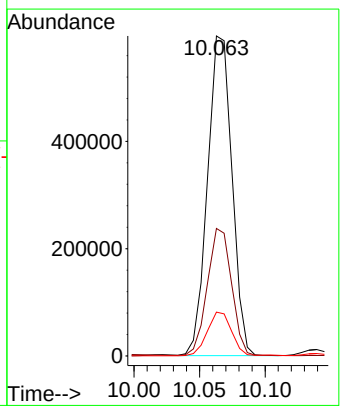


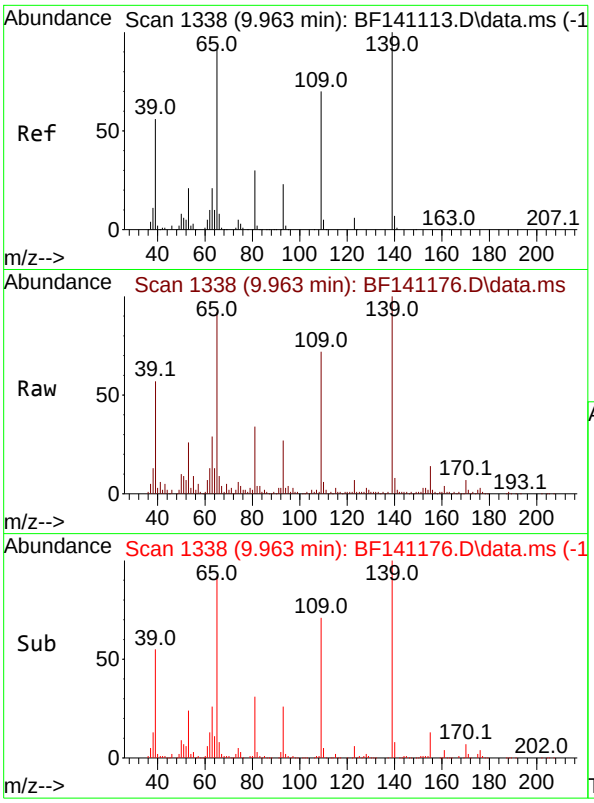




#55
Dibenzofuran
Concen: 31.903 ng
RT: 10.063 min Scan# 1355
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:168 Resp: 772302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.9 | 31.4 | 47.0 |
| 169 | 13.7 | 10.9 | 16.3 |



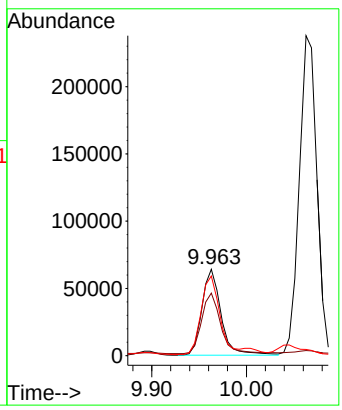


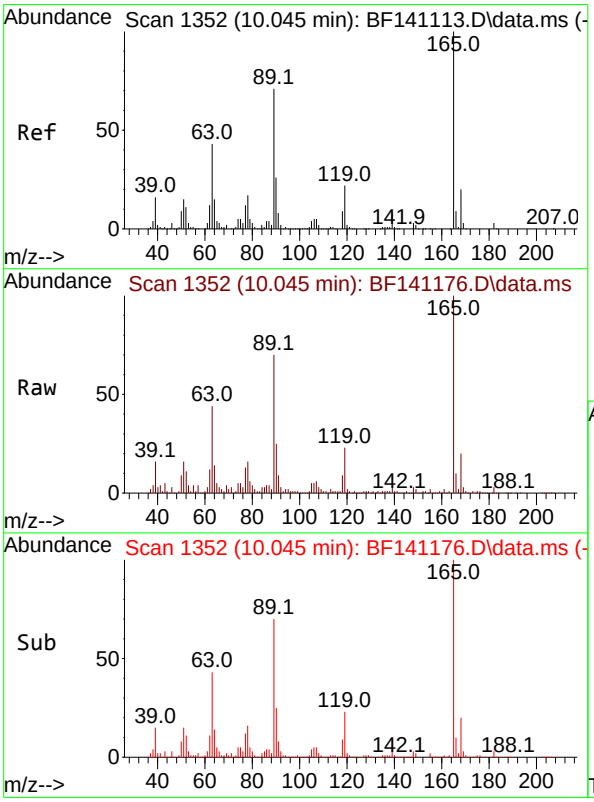

#56
4-Nitrophenol
Concen: 24.317 ng
RT: 9.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:139 Resp: 89059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 72.4 | 50.2 | 90.2 |
| 65 | 92.3 | 72.1 | 112.1 |

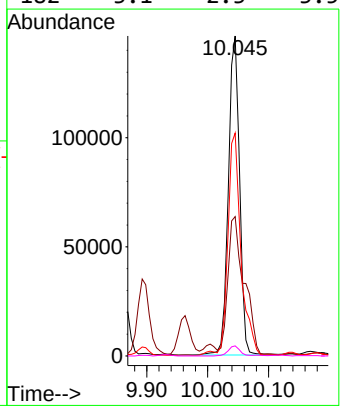


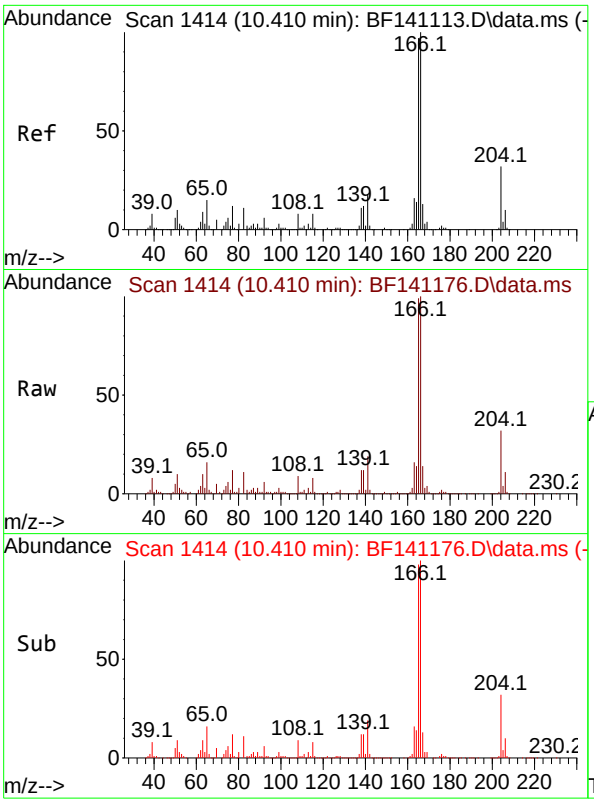




#57
2,4-Dinitrotoluene
Concen: 31.495 ng
RT: 10.045 min Scan# 1352
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:165 Resp: 186784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 43.6 | 35.0 | 52.4 |
| 89 | 69.6 | 56.7 | 85.1 |
| 182 | 3.1 | 2.3 | 3.5 |



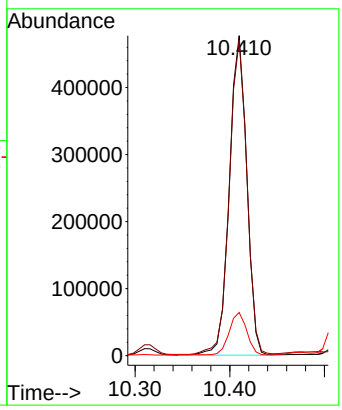


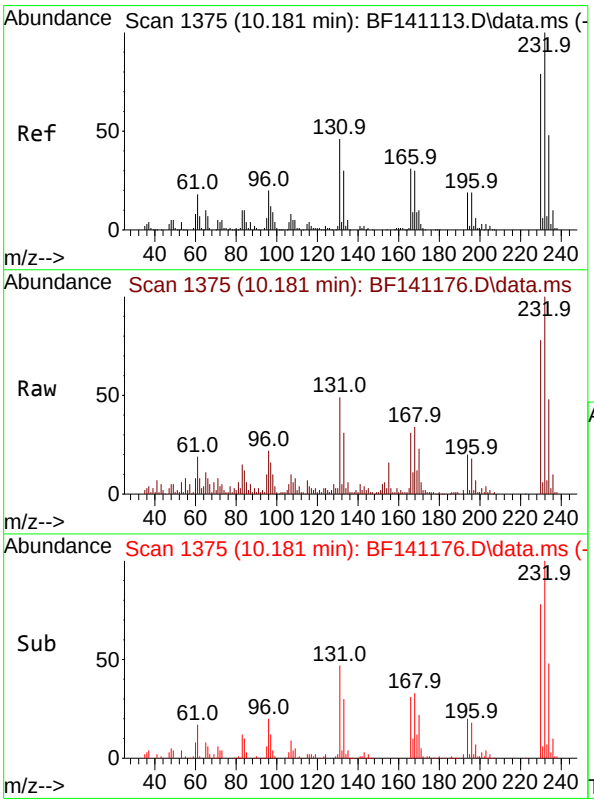

#58
Fluorene
Concen: 32.401 ng
RT: 10.410 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:166 Resp: 609361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.6 | 77.8 | 116.8 |
| 167 | 13.5 | 10.8 | 16.2 |

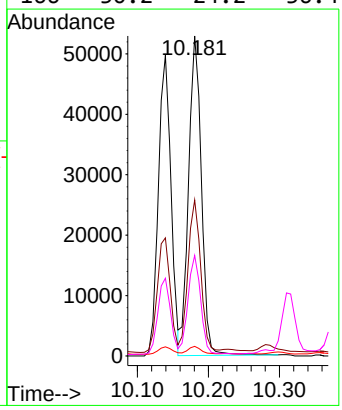


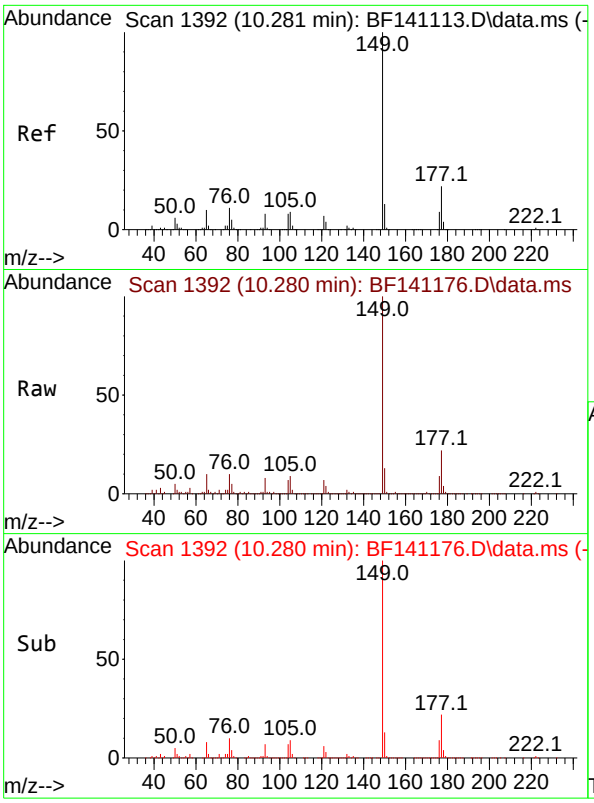




#59
2,3,4,6-Tetrachlorophenol
Concen: 13.269 ng
RT: 10.181 min Scan# 1375
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:232 Resp: 66467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.0 | 36.2 | 54.4 |
| 130 | 2.2 | 2.0 | 3.0 |
| 166 | 30.2 | 24.2 | 36.4 |



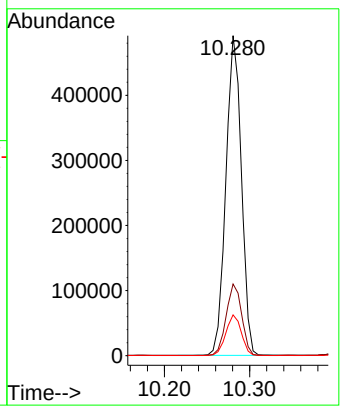


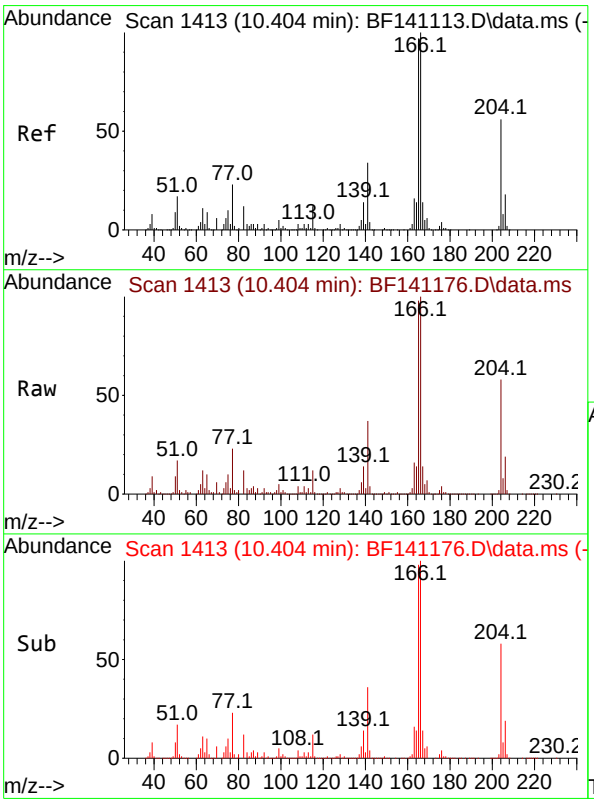

#60
Diethylphthalate
Concen: 32.105 ng
RT: 10.280 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:149 Resp: 620252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.4 | 17.9 | 26.9 |
| 150 | 12.7 | 10.2 | 15.2 |

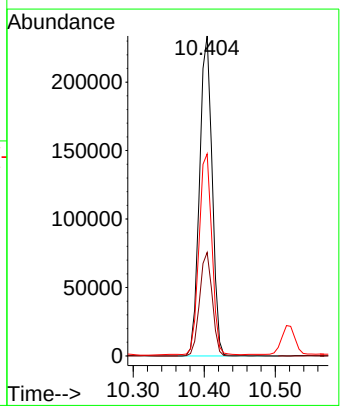


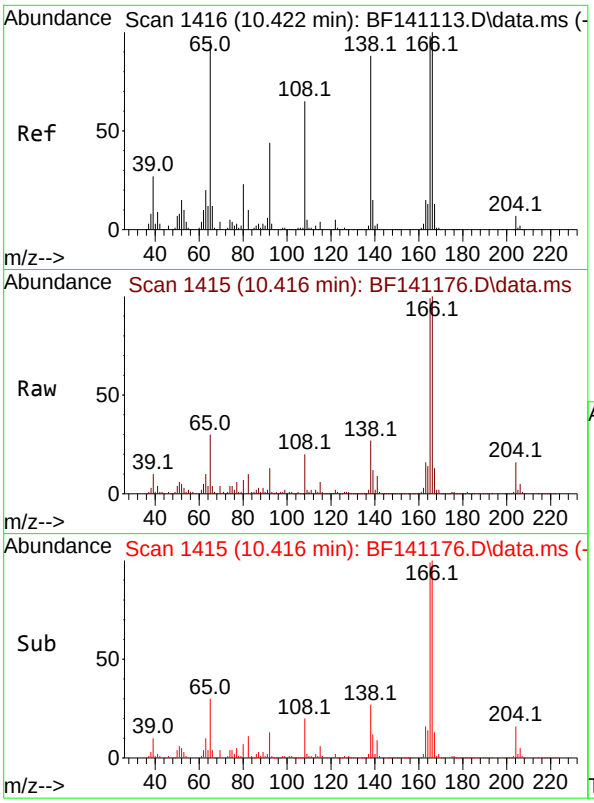




#61
4-Chlorophenyl-phenylether
Concen: 31.619 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:204 Resp: 289829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.4 | 25.9 | 38.9 |
| 141 | 63.1 | 49.1 | 73.7 |



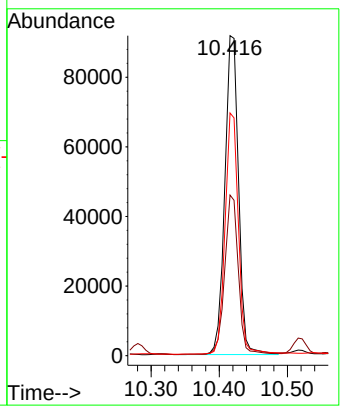


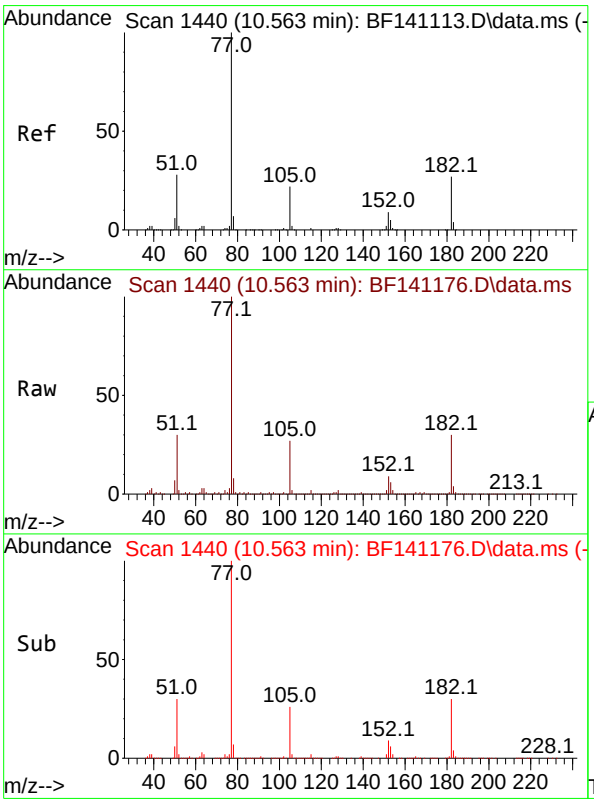

#62
4-Nitroaniline
Concen: 28.115 ng
RT: 10.416 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:138 Resp: 128687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.2 | 29.4 | 69.4 |
| 108 | 75.9 | 53.7 | 93.7 |

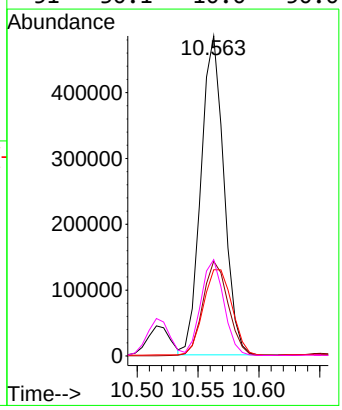


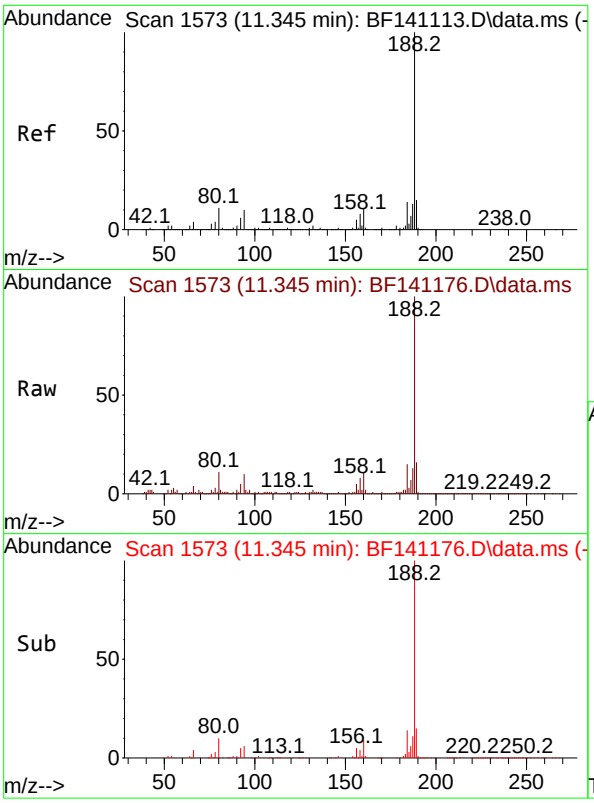




#63
Azobenzene
Concen: 33.284 ng
RT: 10.563 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion: 77 Resp: 634488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 29.6 | 6.1 | 46.1 |
| 105 | 27.0 | 2.1 | 42.1 |
| 51 | 30.1 | 10.0 | 50.0 |



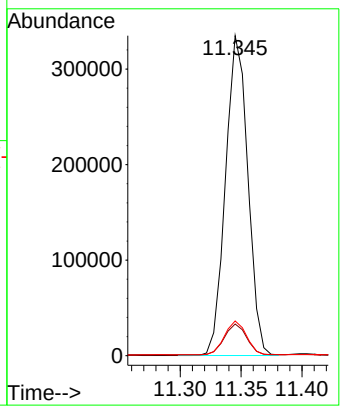


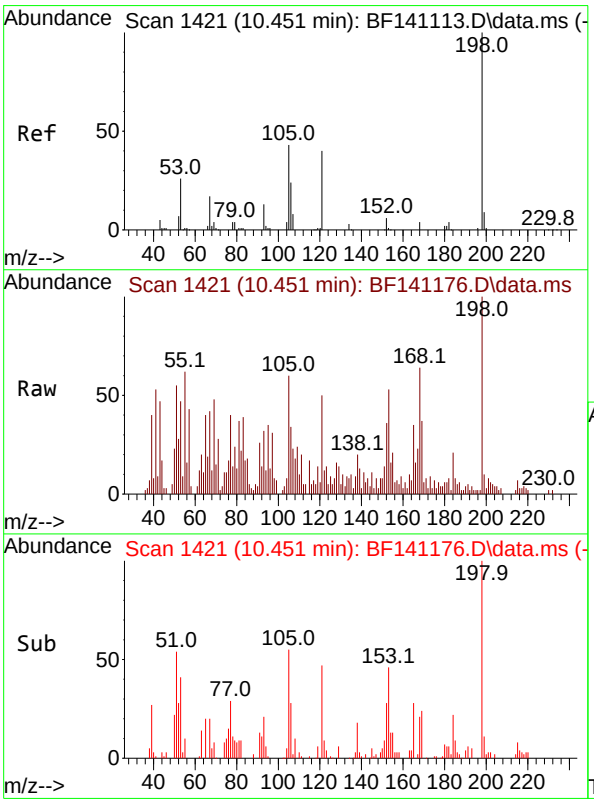

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:188 Resp: 427420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.9 | 8.3 | 12.5 |
| 80 | 10.8 | 9.0 | 13.4 |

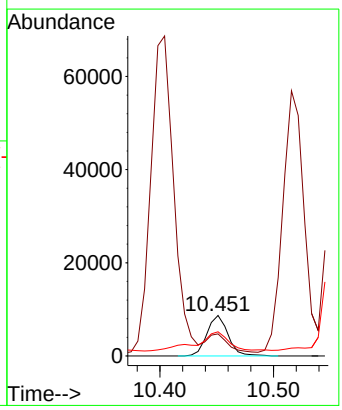


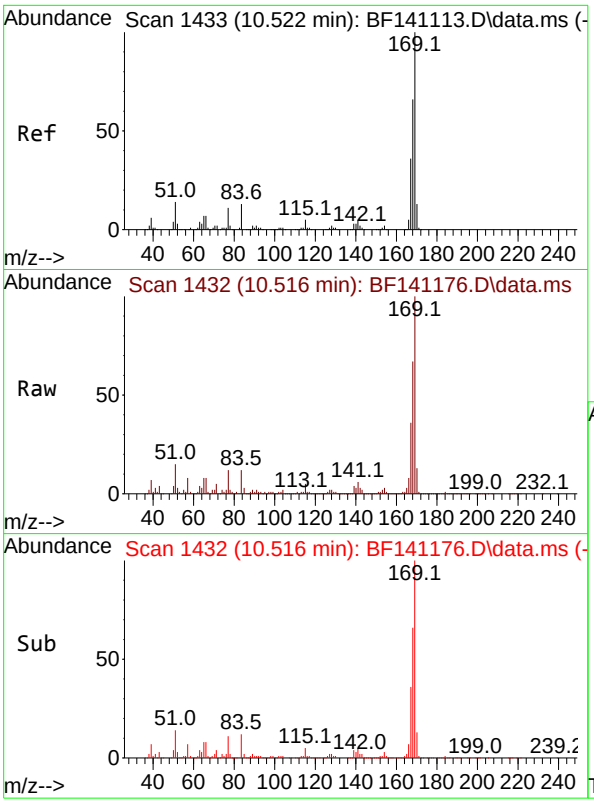




#65
4,6-Dinitro-2-methylphenol
Concen: 4.520 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:198 Resp: 11195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 54.6 | 27.1 | 67.1 |
| 105 | 59.8 | 24.2 | 64.2 |



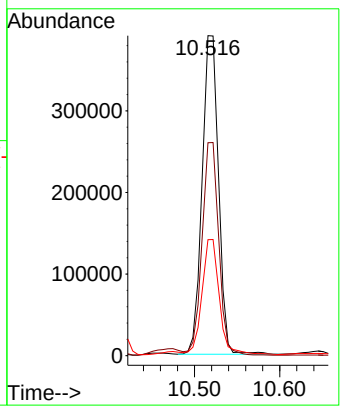


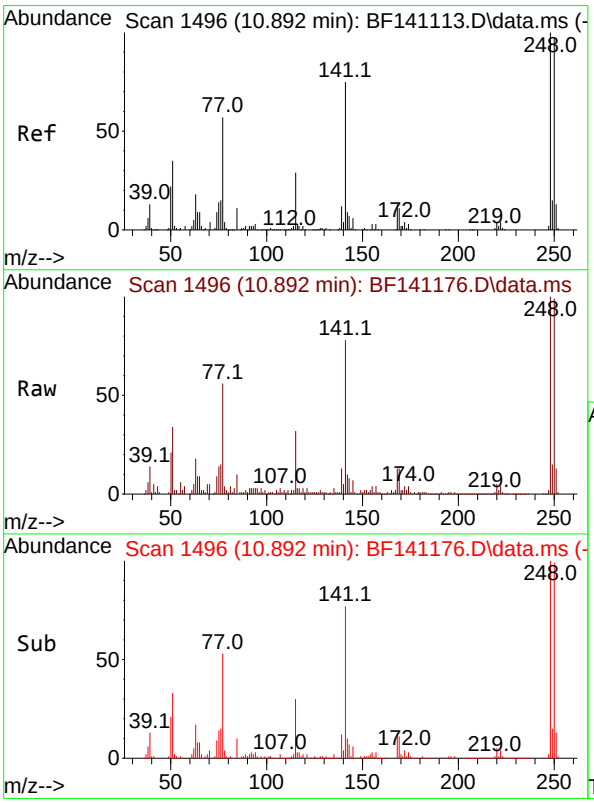

#66
n-Nitrosodiphenylamine
Concen: 37.894 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:169 Resp: 522412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.6 | 52.5 | 78.7 |
| 167 | 36.3 | 28.9 | 43.3 |

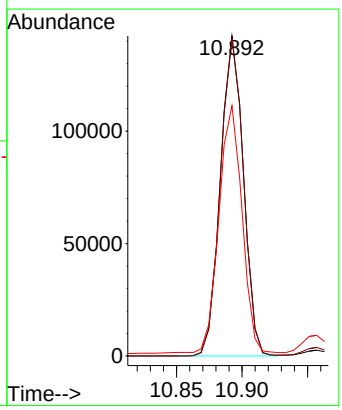


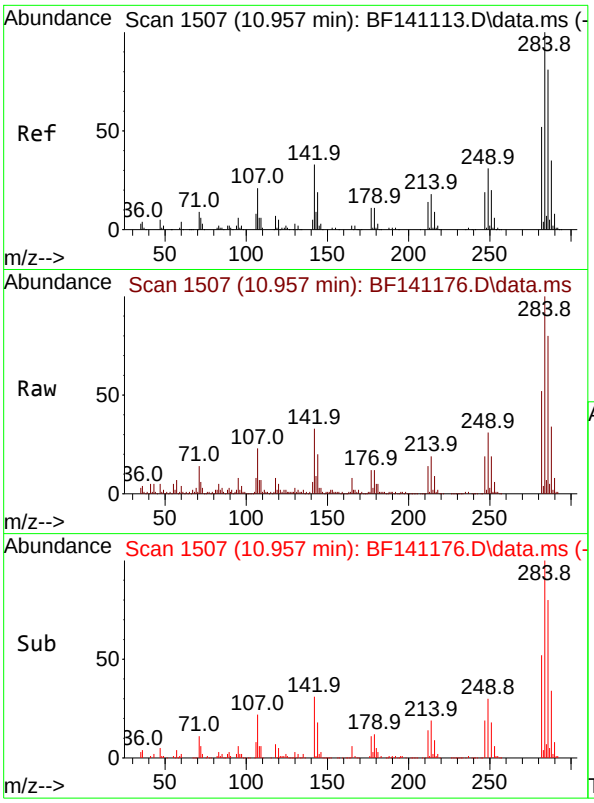




#67
4-Bromophenyl-phenylether
Concen: 35.228 ng
RT: 10.892 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:248 Resp: 173354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.3 | 77.9 | 116.9 |
| 141 | 78.2 | 59.9 | 89.9 |





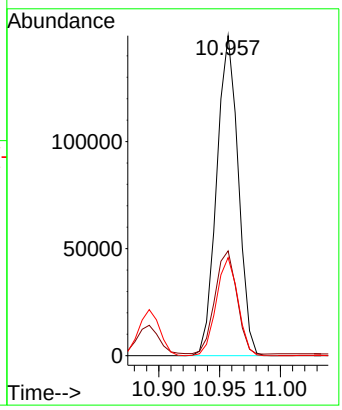

#68
Hexachlorobenzene
Concen: 33.626 ng
RT: 10.957 min Scan# 1

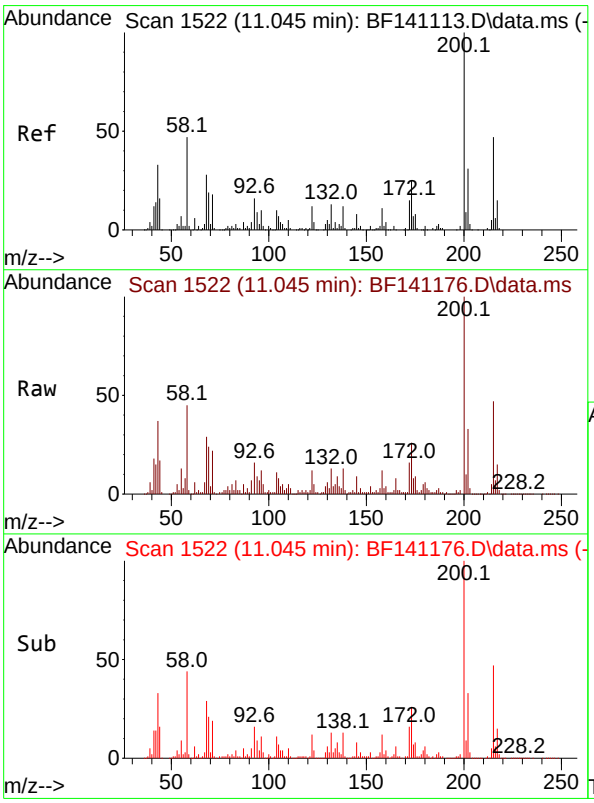
**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:284 Resp: 184199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.7 | 26.3 | 39.5 |
| 249 | 30.6 | 24.9 | 37.3 |

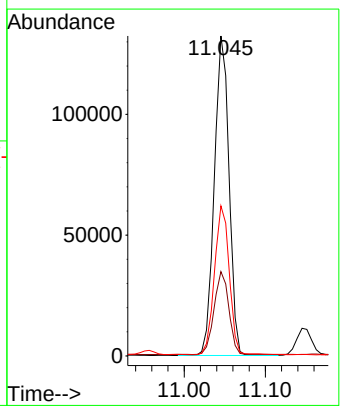


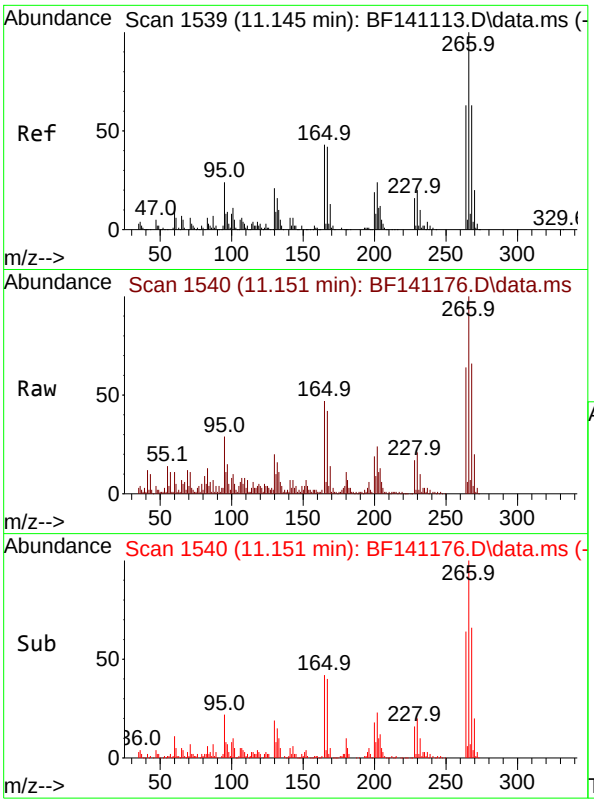




#69
Atrazine
Concen: 44.950 ng
RT: 11.045 min Scan# 1522
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:200 Resp: 166855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.4 | 5.4 | 45.4 |
| 215 | 46.9 | 26.6 | 66.6 |



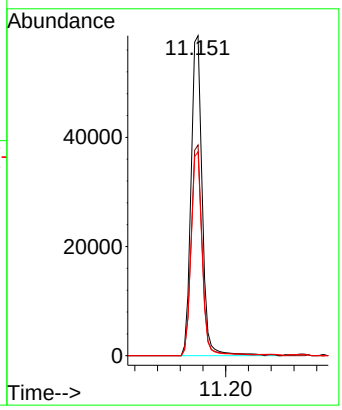


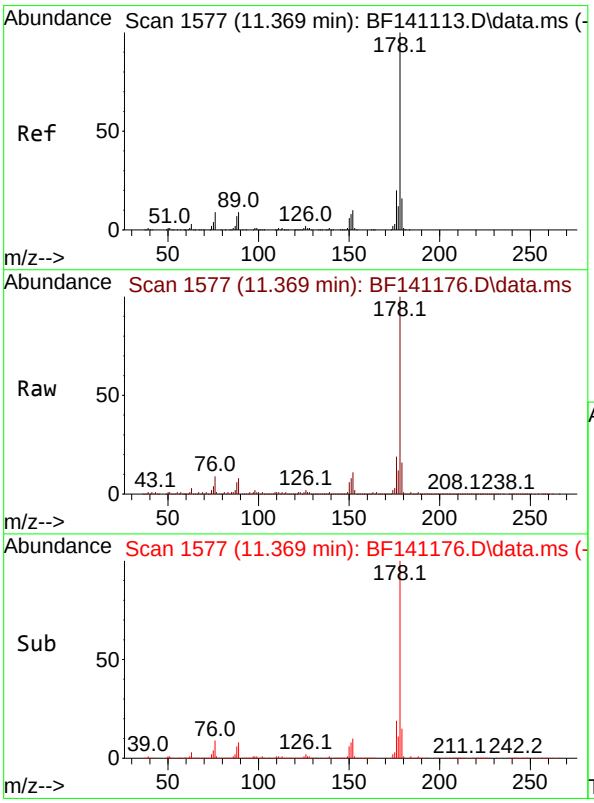

#70
Pentachlorophenol
Concen: 22.862 ng
RT: 11.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:266 Resp: 80199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 65.9 | 50.4 | 75.6 |
| 264 | 63.7 | 50.2 | 75.2 |

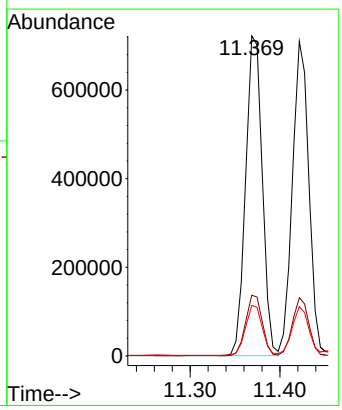


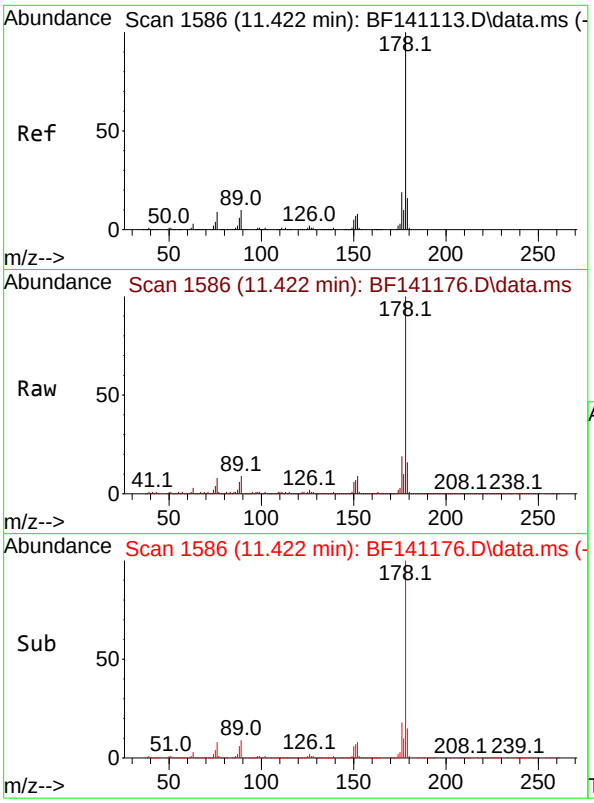




#71
Phenanthrene
Concen: 40.461 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:178 Resp: 928440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.7 | 23.5 |
| 179 | 15.8 | 12.6 | 19.0 |



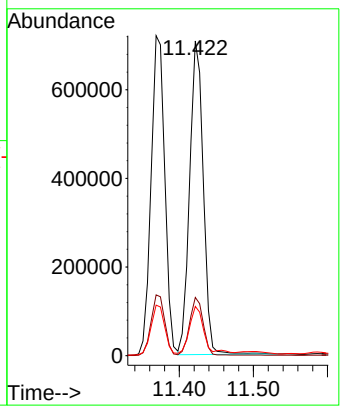


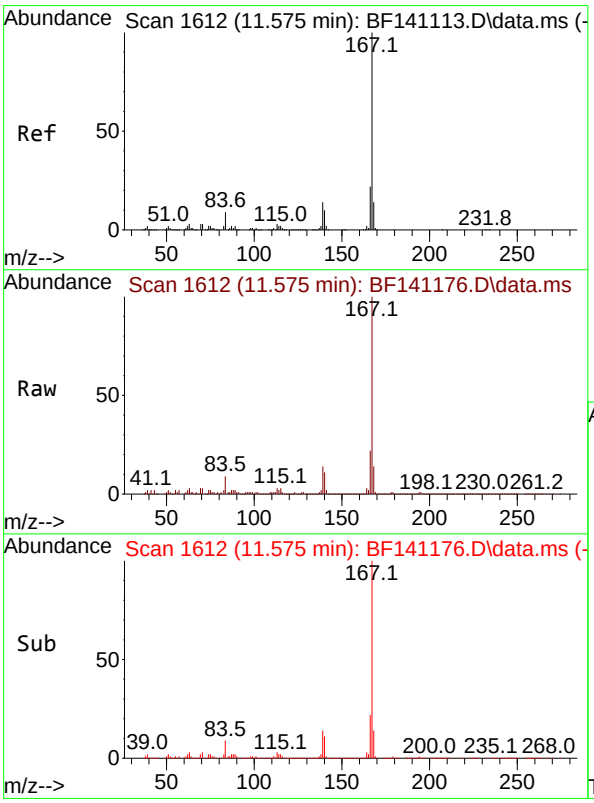

#72
Anthracene
Concen: 40.638 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:178 Resp: 906732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 14.9 | 22.3 |
| 179 | 15.7 | 12.6 | 19.0 |

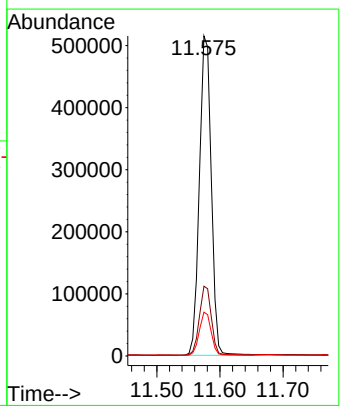


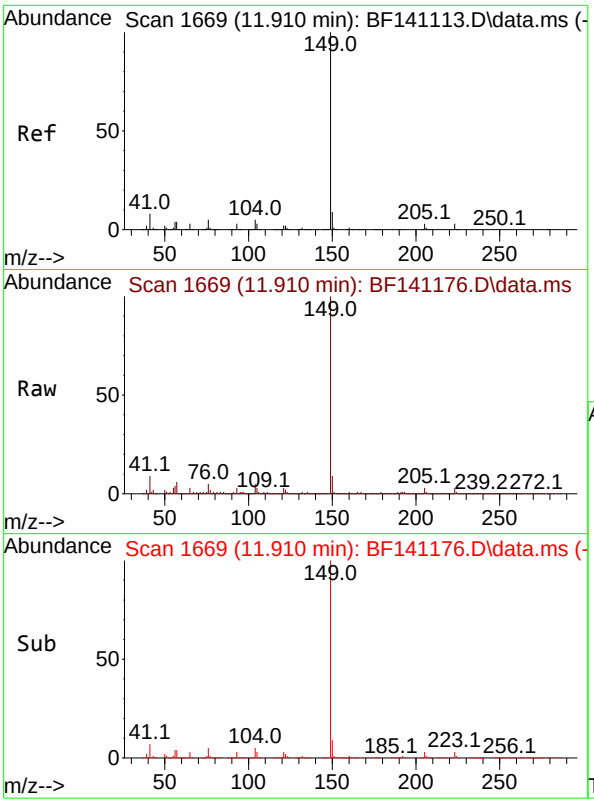




#73
Carbazole
Concen: 32.941 ng
RT: 11.575 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:167 Resp: 673943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.4 | 26.2 |
| 139 | 13.7 | 10.9 | 16.3 |



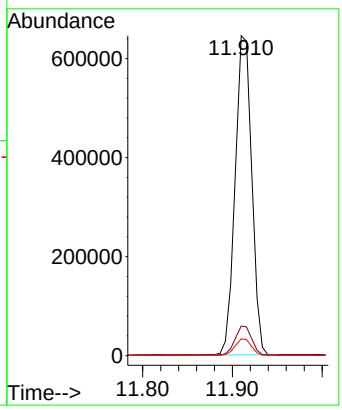


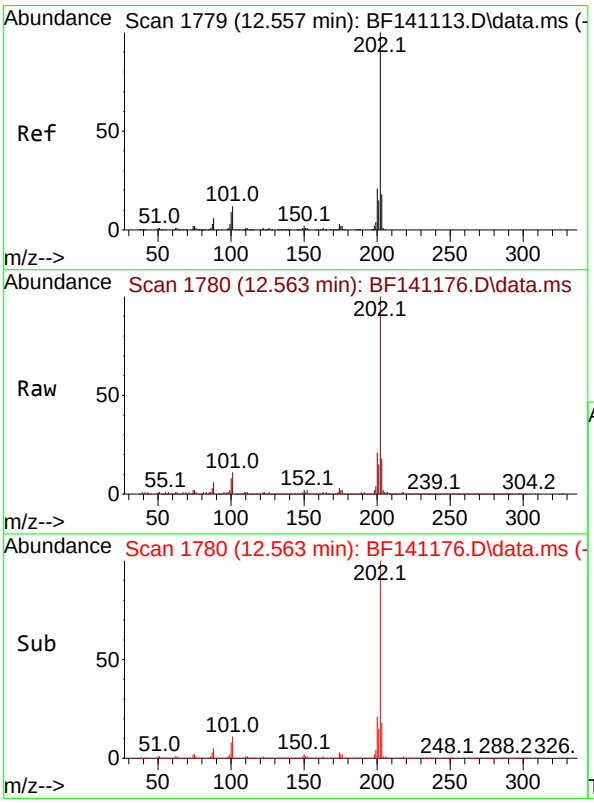

#74
Di-n-butylphthalate
Concen: 35.379 ng
RT: 11.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:149 Resp: 828354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.4 | 11.2 |
| 104 | 5.3 | 4.2 | 6.2 |

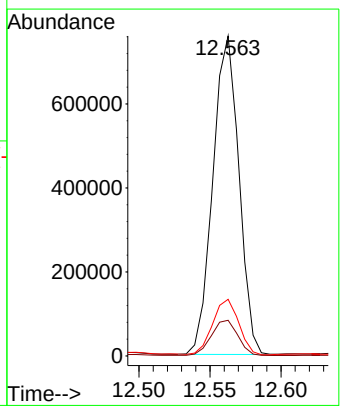


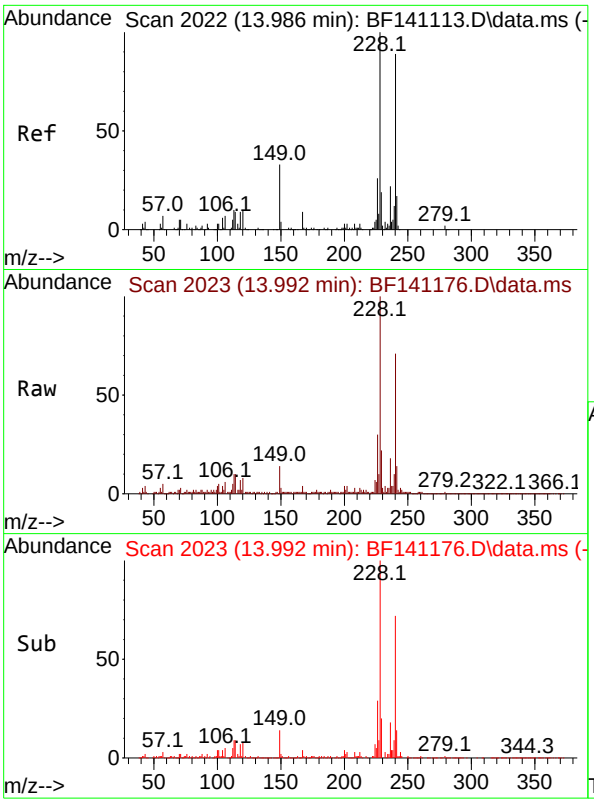




#75
Fluoranthene
Concen: 42.207 ng
RT: 12.563 min Scan# 1780
Delta R.T. 0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:202 Resp: 966493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.1 | 0.0 | 32.3 |
| 203 | 17.7 | 0.0 | 37.7 |



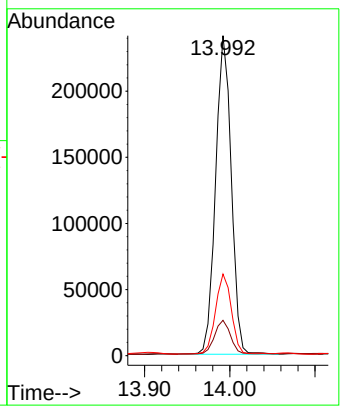


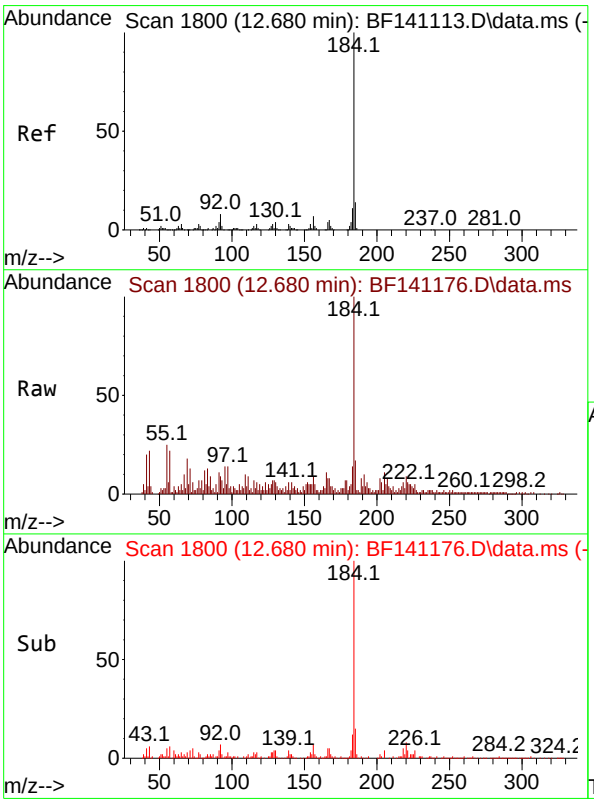

#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:240 Resp: 307236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.1 | 9.1 | 13.7 |
| 236 | 25.5 | 19.8 | 29.6 |

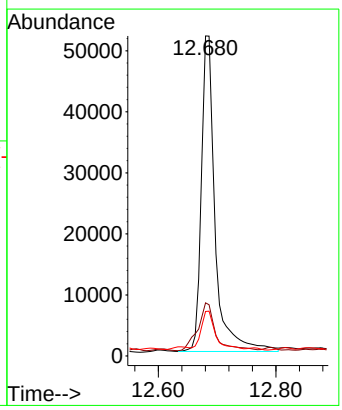


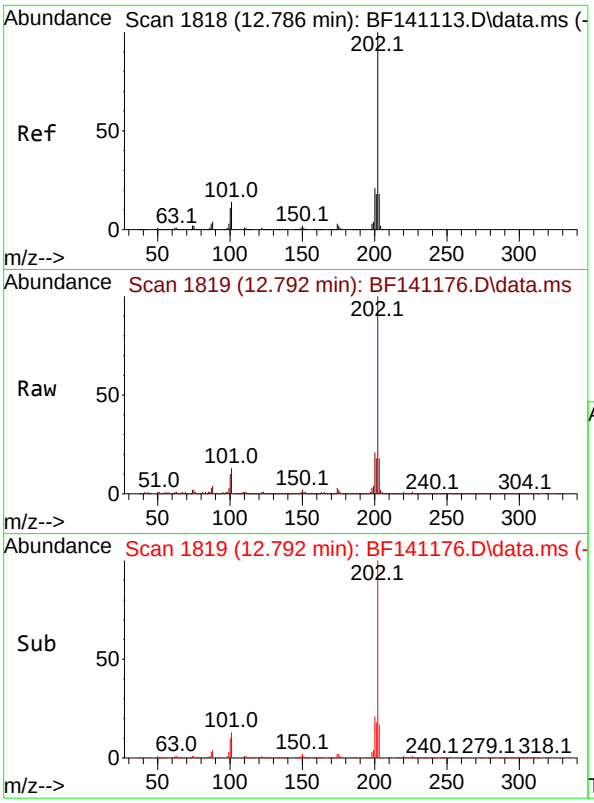




#77
Benzidine
Concen: 14.811 ng
RT: 12.680 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:184 Resp: 84383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 16.6 | 11.4 | 17.0 |
| 183 | 13.9 | 9.2 | 13.8# |



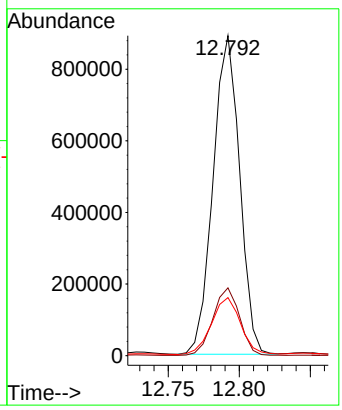


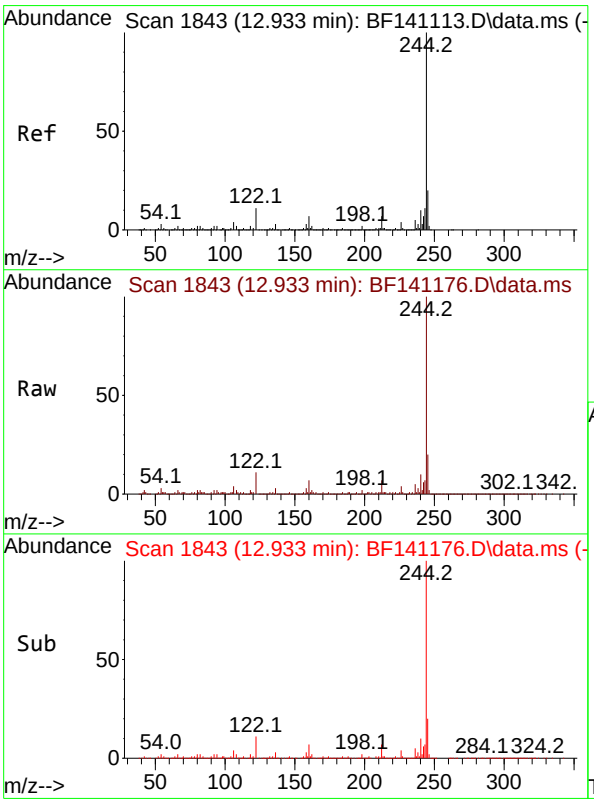

#78
Pyrene
Concen: 39.496 ng
RT: 12.792 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:202 Resp: 1159012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 16.8 | 25.2 |
| 203 | 18.1 | 14.3 | 21.5 |

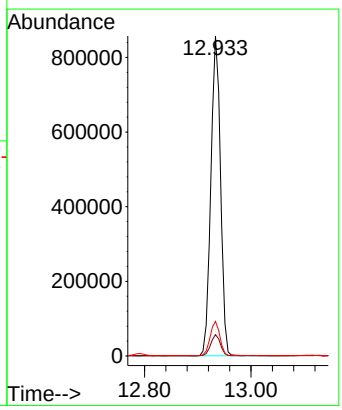


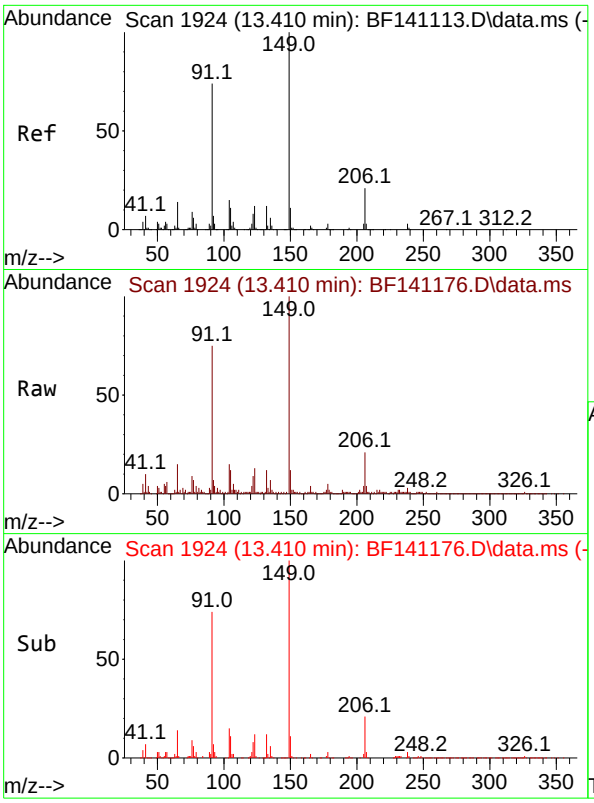




#79
Terphenyl-d14
Concen: 52.280 ng
RT: 12.933 min Scan# 1843
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:244 Resp: 1080678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.4 | 8.2 |
| 122 | 10.8 | 8.8 | 13.2 |



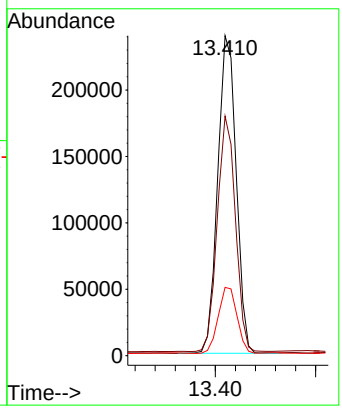


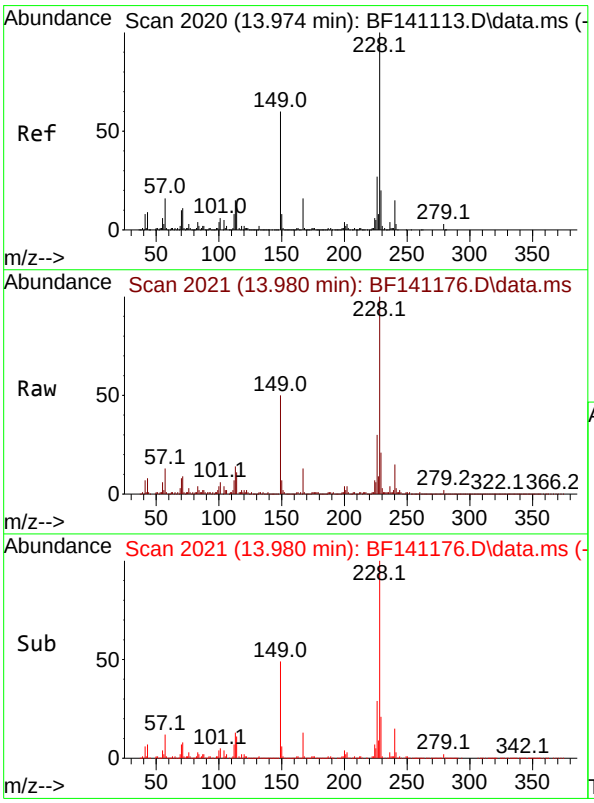

#80
Butylbenzylphthalate
Concen: 31.209 ng
RT: 13.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:149 Resp: 305345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 74.9 | 59.0 | 88.6 |
| 206 | 21.4 | 16.5 | 24.7 |

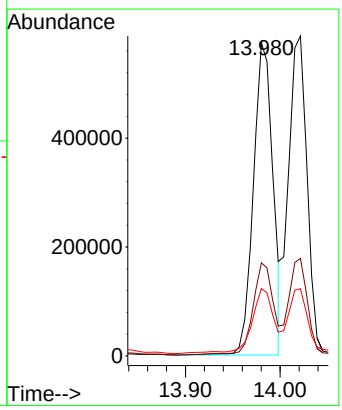


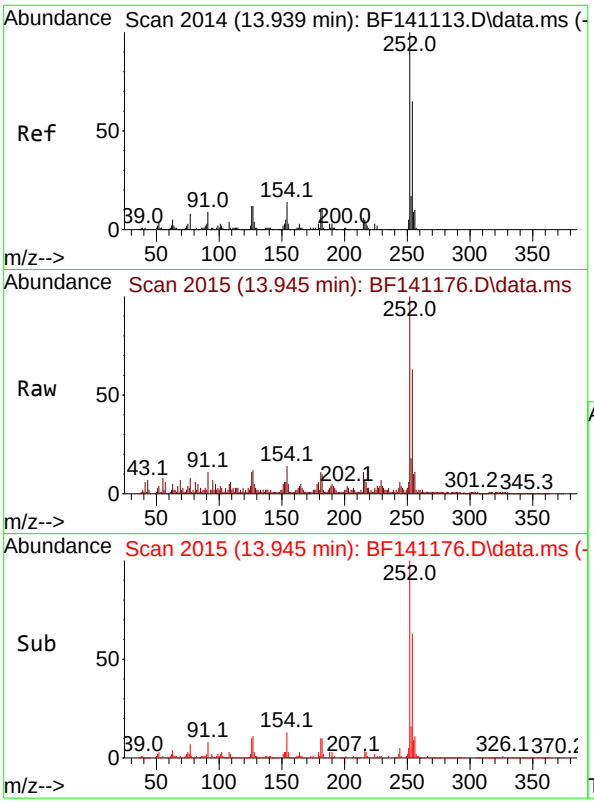




#81
Benzo(a)anthracene
Concen: 39.257 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:228 Resp: 820834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 21.7 | 32.5 |
| 229 | 21.5 | 15.7 | 23.5 |



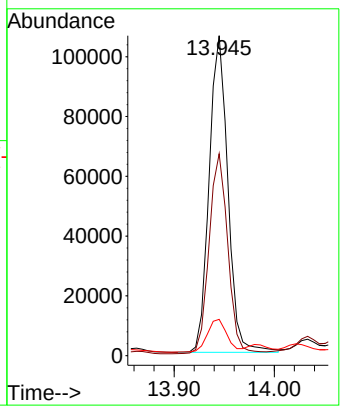


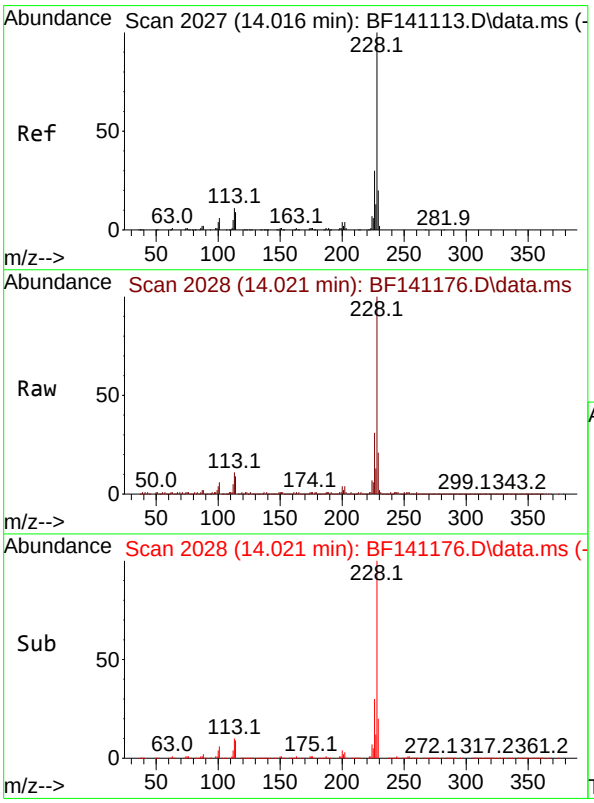

#82
3,3'-Dichlorobenzidine
Concen: 20.639 ng
RT: 13.945 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:252 Resp: 137413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.1 | 52.0 | 78.0 |
| 126 | 11.4 | 9.4 | 14.0 |

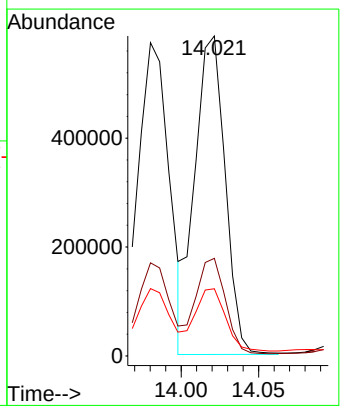


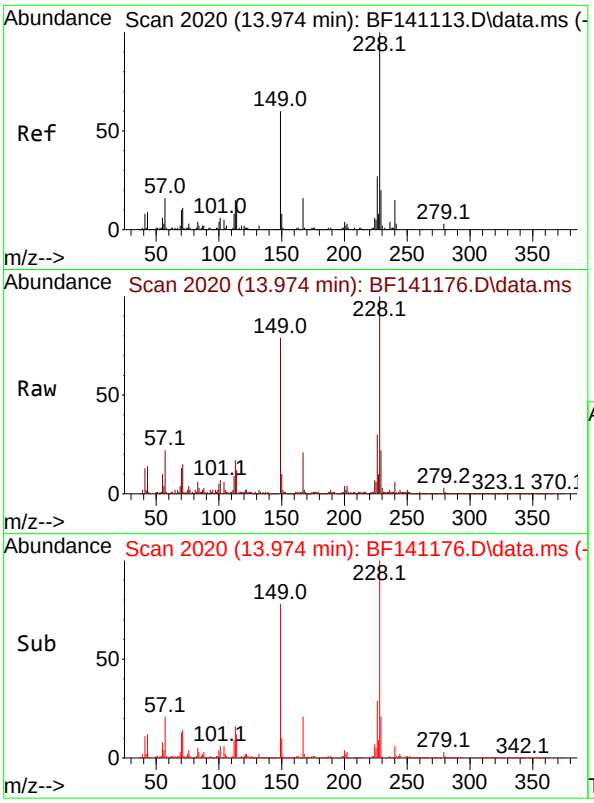




#83
Chrysene
Concen: 40.674 ng
RT: 14.021 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:228 Resp: 795763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 23.8 | 35.8 |
| 229 | 21.0 | 15.8 | 23.8 |



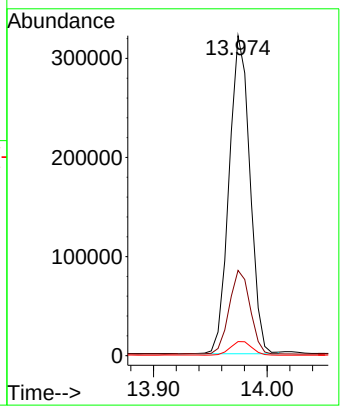


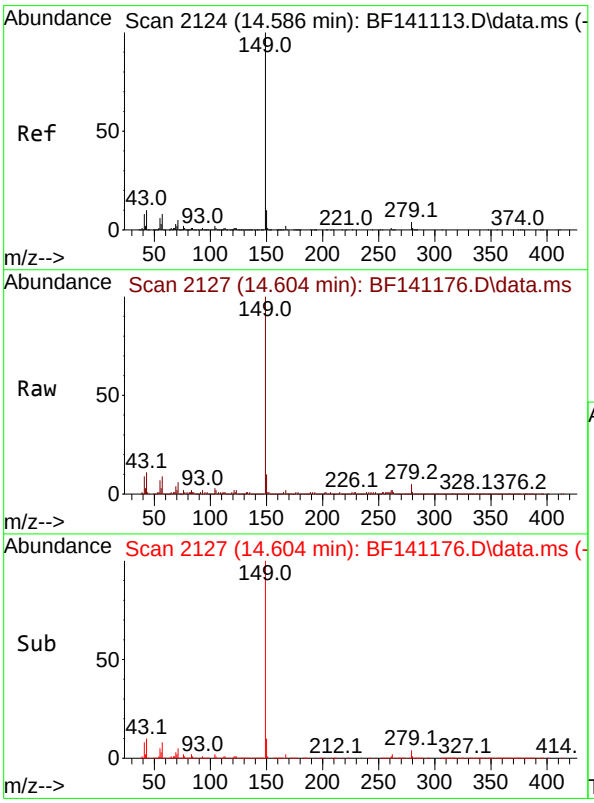

#84
Bis(2-ethylhexyl)phthalate
Concen: 34.743 ng
RT: 13.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:149 Resp: 407859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.7 | 21.4 | 32.2 |
| 279 | 4.4 | 3.4 | 5.2 |

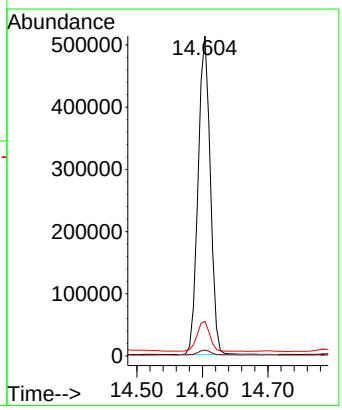


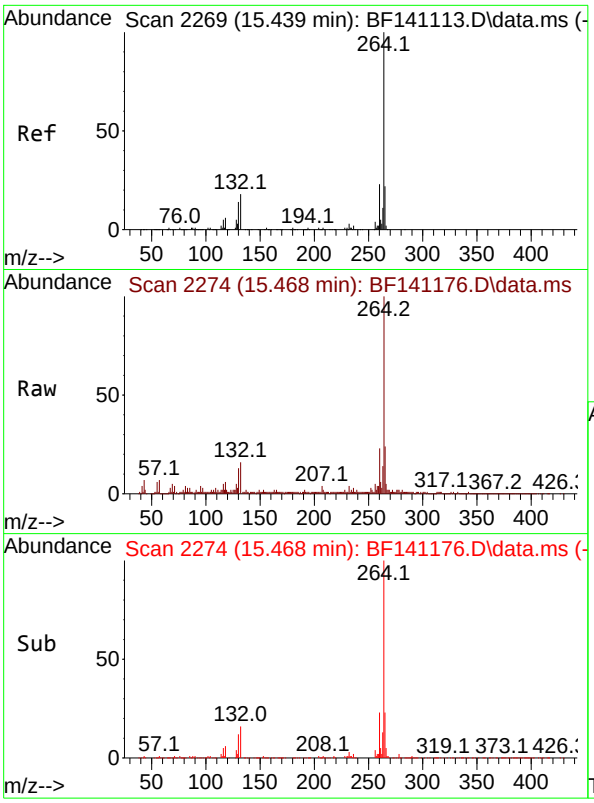




#85
Di-n-octyl phthalate
Concen: 37.454 ng
RT: 14.604 min Scan# 2127
Delta R.T. 0.018 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:149 Resp: 663939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.8 | 8.4 | 12.6 |



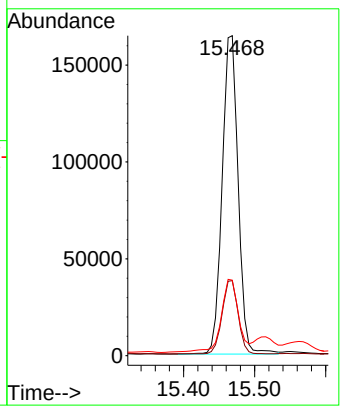


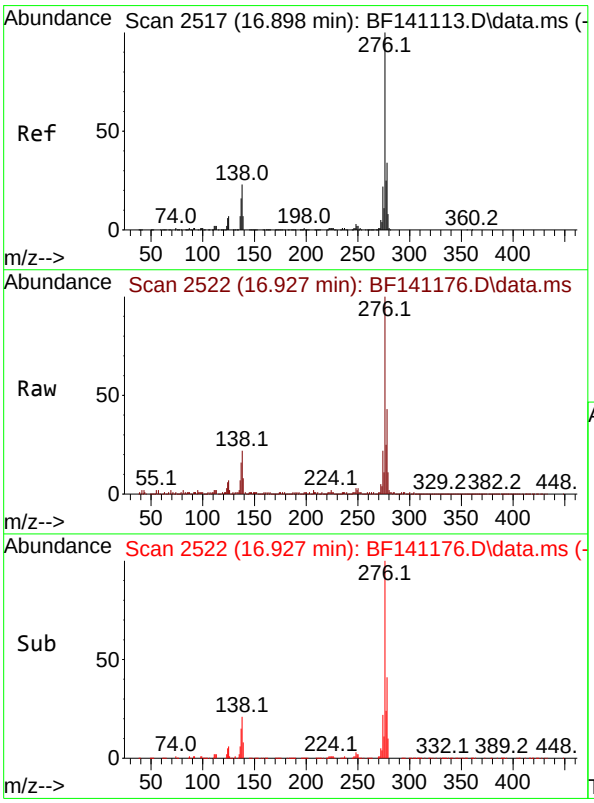

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:264 Resp: 256318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.6 | 28.0 |
| 265 | 23.6 | 17.4 | 26.0 |

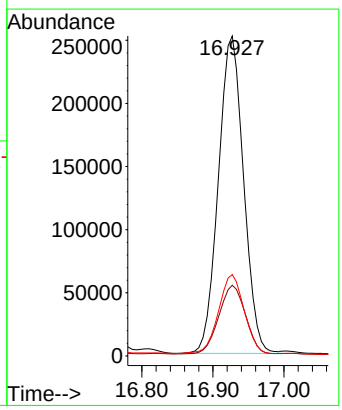


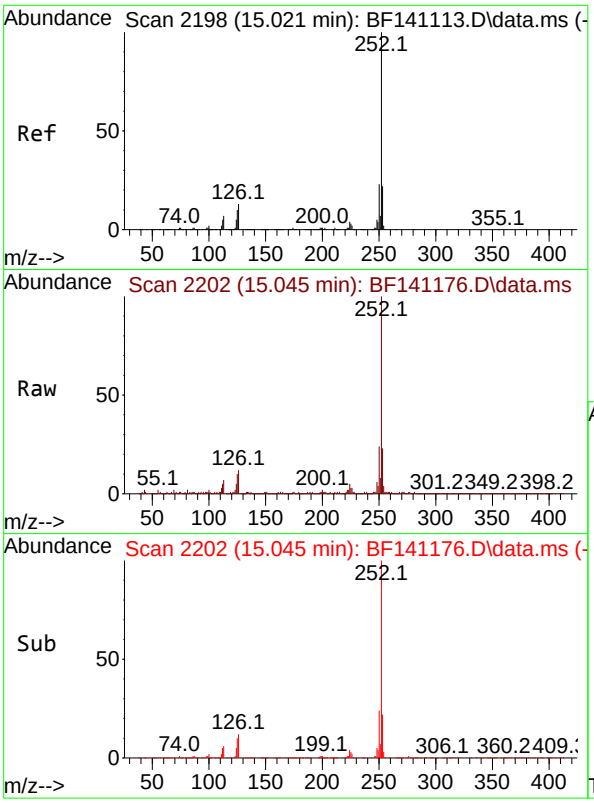




#87
Indeno(1,2,3-cd)pyrene
Concen: 32.986 ng
RT: 16.927 min Scan# 2522
Delta R.T. 0.029 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:276 Resp: 619424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.9 | 20.7 | 31.1 |
| 277 | 25.0 | 20.6 | 30.8 |



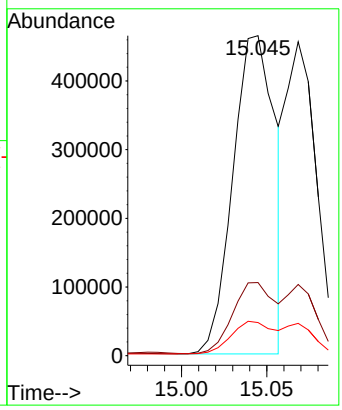


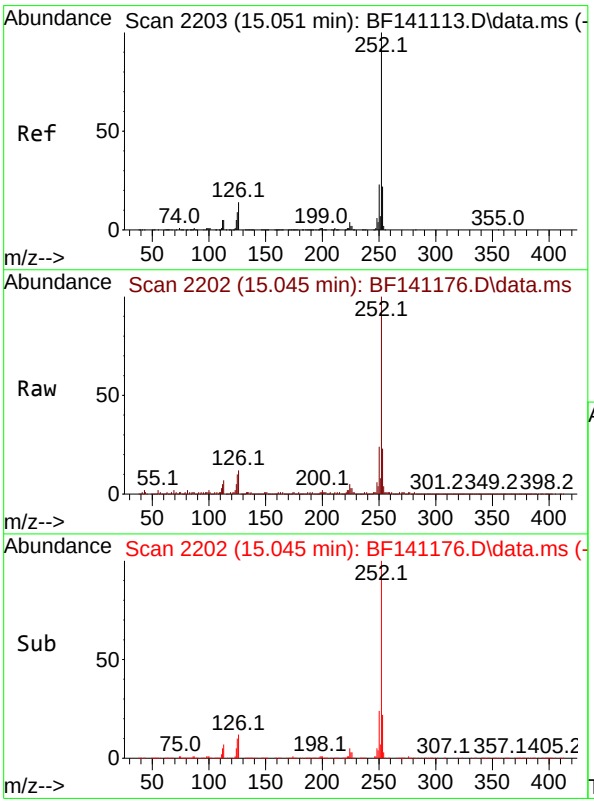

#88
Benzo(b)fluoranthene
Concen: 48.220 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:252 Resp: 796990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.8 | 26.6 |
| 125 | 10.4 | 8.1 | 12.1 |

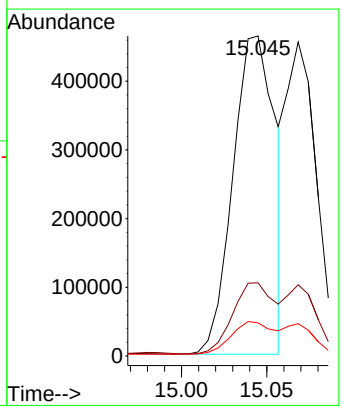


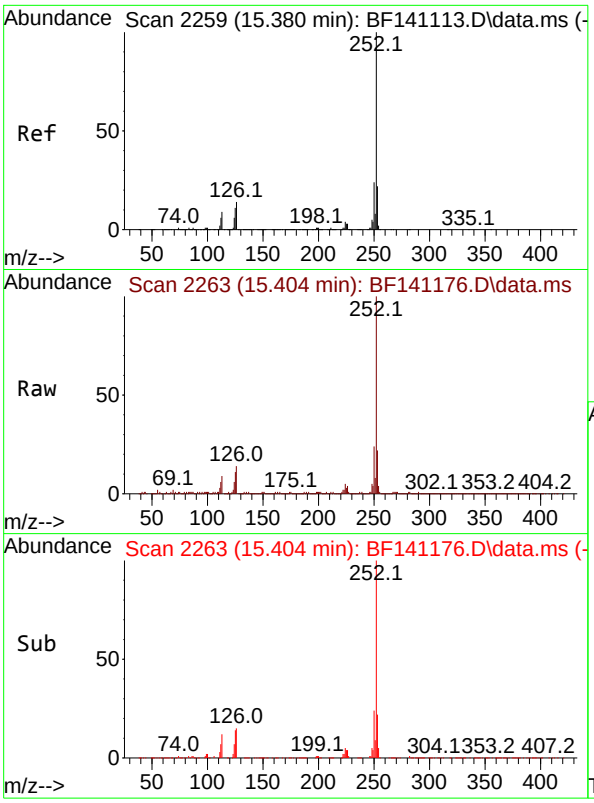




#89
Benzo(k)fluoranthene
Concen: 57.059 ng
RT: 15.045 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:252 Resp: 796990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.8 | 26.8 |
| 125 | 10.4 | 7.9 | 11.9 |



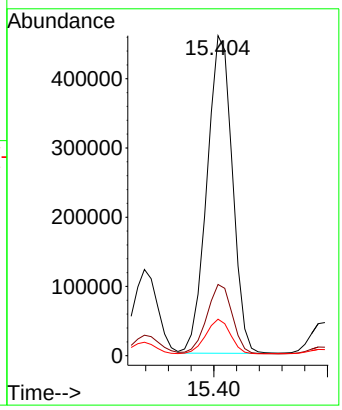


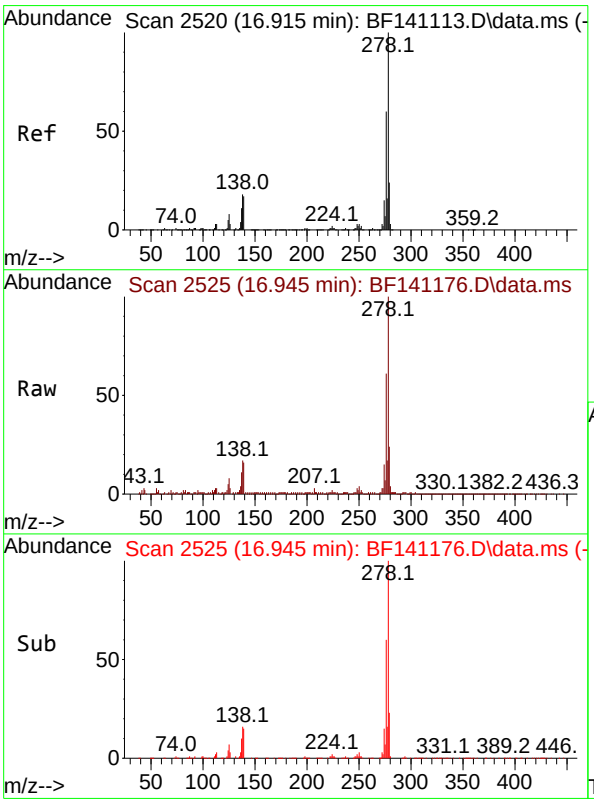

#90
Benzo(a)pyrene
Concen: 52.390 ng
RT: 15.404 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:252 Resp: 714424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.7 | 26.5 |
| 125 | 11.4 | 9.1 | 13.7 |

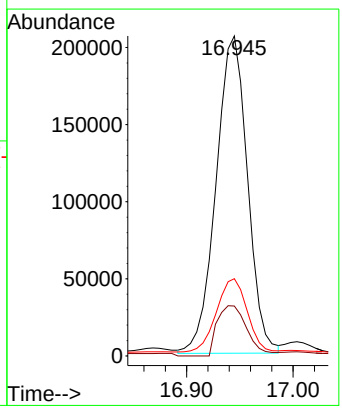


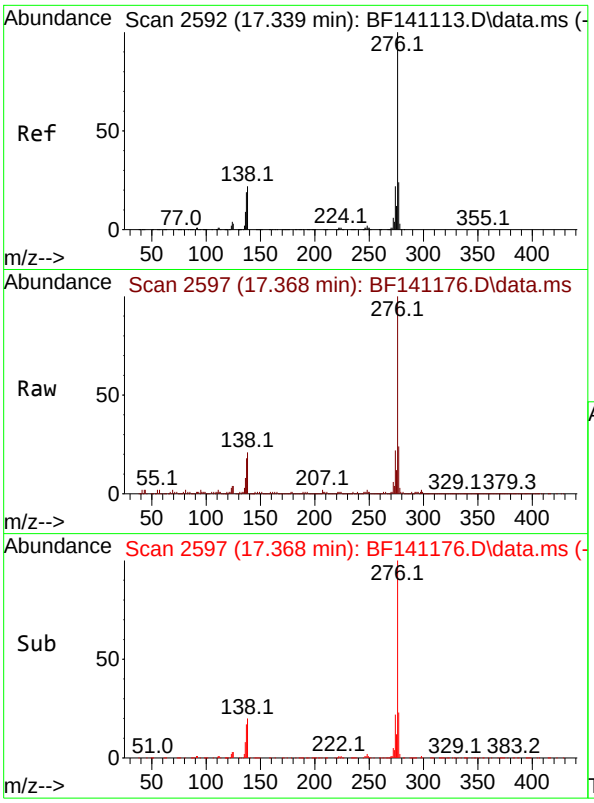




#91
Dibenzo(a,h)anthracene
Concen: 27.827 ng
RT: 16.945 min Scan# 2525
Delta R.T. 0.029 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

Tgt Ion:278 Resp: 422648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.6 | 13.8 | 20.6 |
| 279 | 24.2 | 19.1 | 28.7 |






#92
Benzo(g,h,i)perylene
Concen: 34.878 ng
RT: 17.368 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF141176.D
Acq: 15 Jan 2025 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-1-10-2025MSD

Tgt Ion:276 Resp: 551001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 19.0 | 28.4 |
| 138 | 20.5 | 17.4 | 26.2 |

